Appendix B. SAR Plots of SAR Measurement

The plots for SAR measurement are shown as follows.

Test Laboratory: Bureau Veritas ADT SAR/HAC Testing Lab Date: 2012/09/26

P44 GSM850_GPRS10_Right Cheek_Ch128

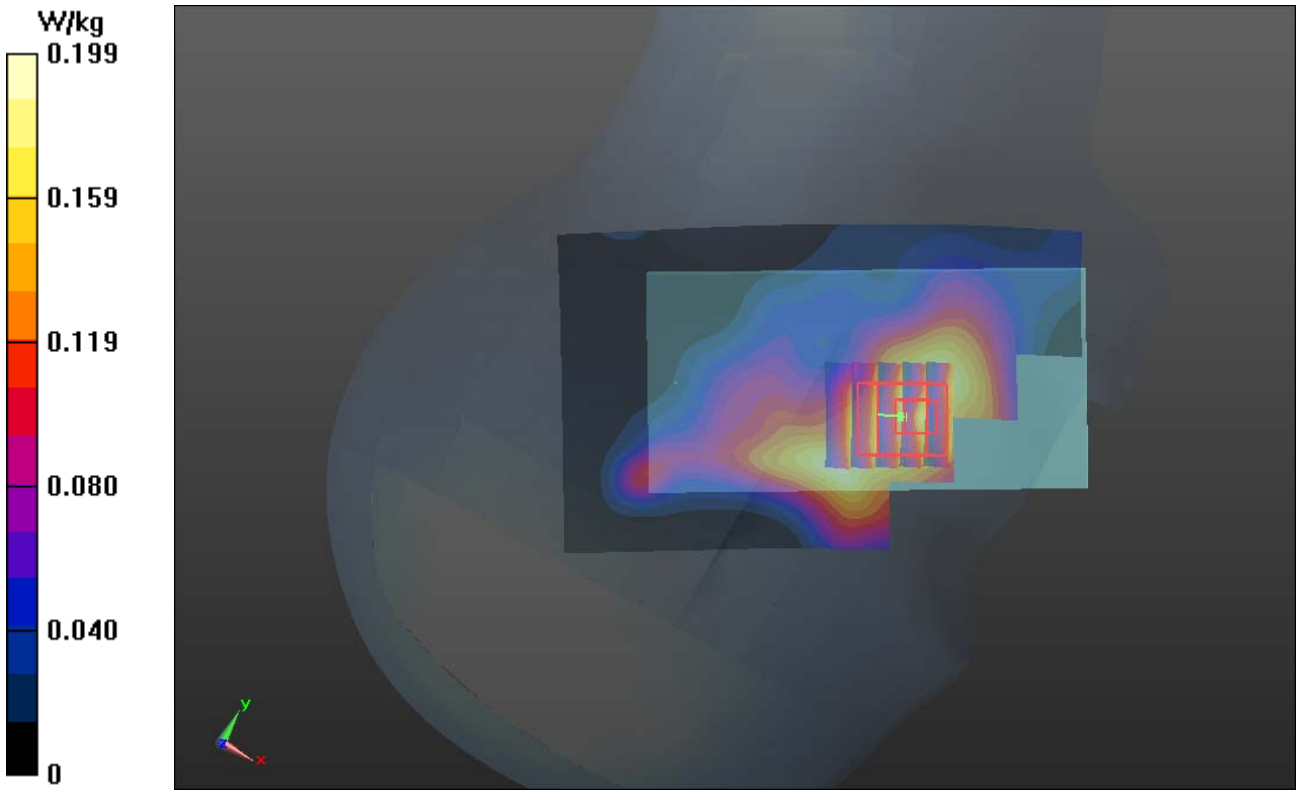
DUT: 120910C04

Communication System: GPRS10; Frequency: 824.2 MHz;Duty Cycle: 1:4.00037
Medium: H835_0926 Medium parameters used: f = 824.2 MHz; σ = 0.898 mho/m; ε_r = 42.481; ρ = 1000 kg/m^3
Ambient Temperature：21.6 ℃； Liquid Temperature：20.3 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3650; ConvF(8.87, 8.87, 8.87); Calibrated: 2011/10/26;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861; Calibrated: 2012/08/23
- Phantom: SAM Phantom_Left; Type: SAM V4.0; Serial: TP 1202
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch128/Area Scan (51x91x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.199 W/kg

Ch128/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 6.809 V/m; Power Drift = -0.07 dB
Peak SAR (extrapolated) = 0.222 mW/g
SAR(1 g) = 0.171 mW/g; SAR(10 g) = 0.130 mW/g
Maximum value of SAR (measured) = 0.196 W/kg



P02 GSM850_GPRS10_Right Tilted_Ch128

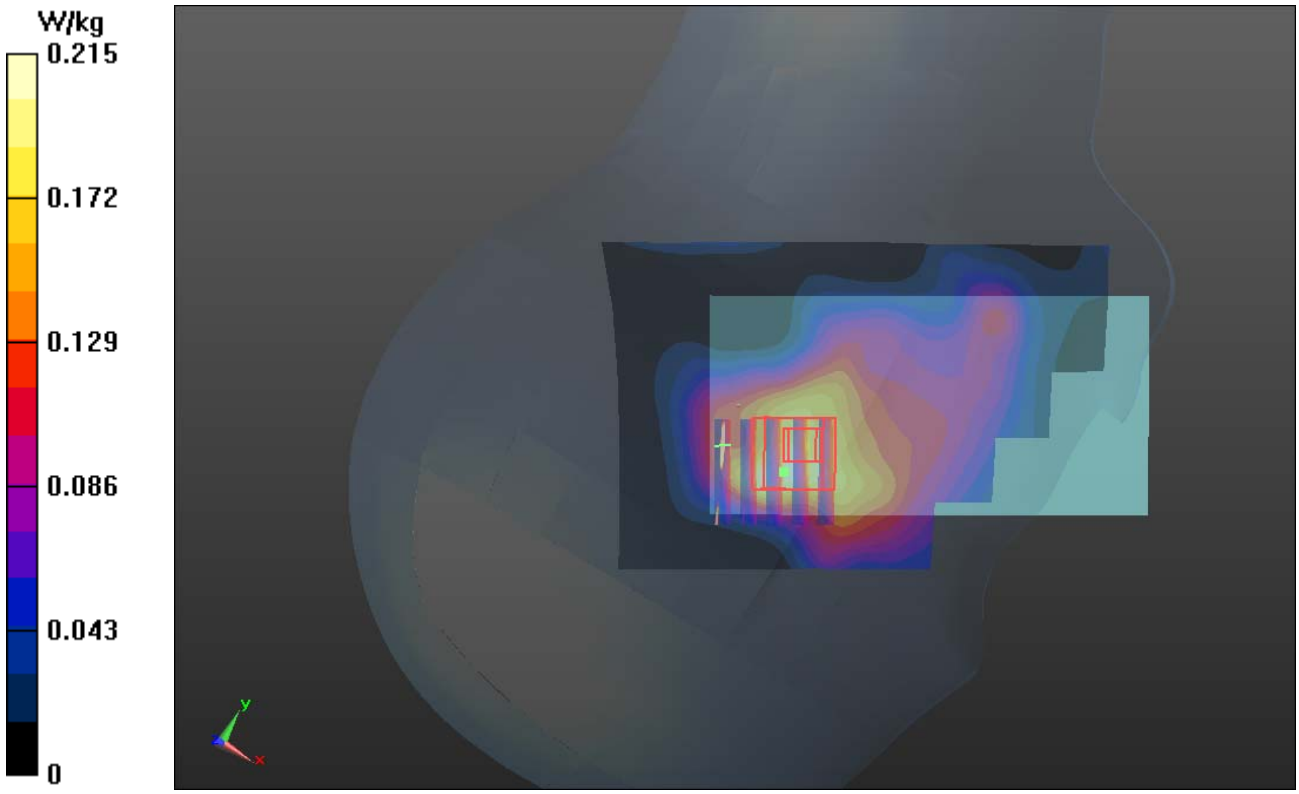
DUT: 120910C04

Communication System: GPRS10; Frequency: 824.2 MHz;Duty Cycle: 1:4.00037
Medium: H835_0926 Medium parameters used: f = 824.2 MHz; σ = 0.898 mho/m; ε_r = 42.481; ρ = 1000 kg/m^3
Ambient Temperature：21.6 ℃； Liquid Temperature：20.3 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3650; ConvF(8.87, 8.87, 8.87); Calibrated: 2011/10/26;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861; Calibrated: 2012/08/23
- Phantom: SAM Phantom_Left; Type: SAM V4.0; Serial: TP 1202
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch128/Area Scan (51x91x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.215 W/kg

Ch128/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 12.549 V/m; Power Drift = -0.08 dB
Peak SAR (extrapolated) = 0.605 mW/g
SAR(1 g) = 0.156 mW/g; SAR(10 g) = 0.116 mW/g
Maximum value of SAR (measured) = 0.605 W/kg



P03 GSM850_GPRS10_Left Cheek_Ch128

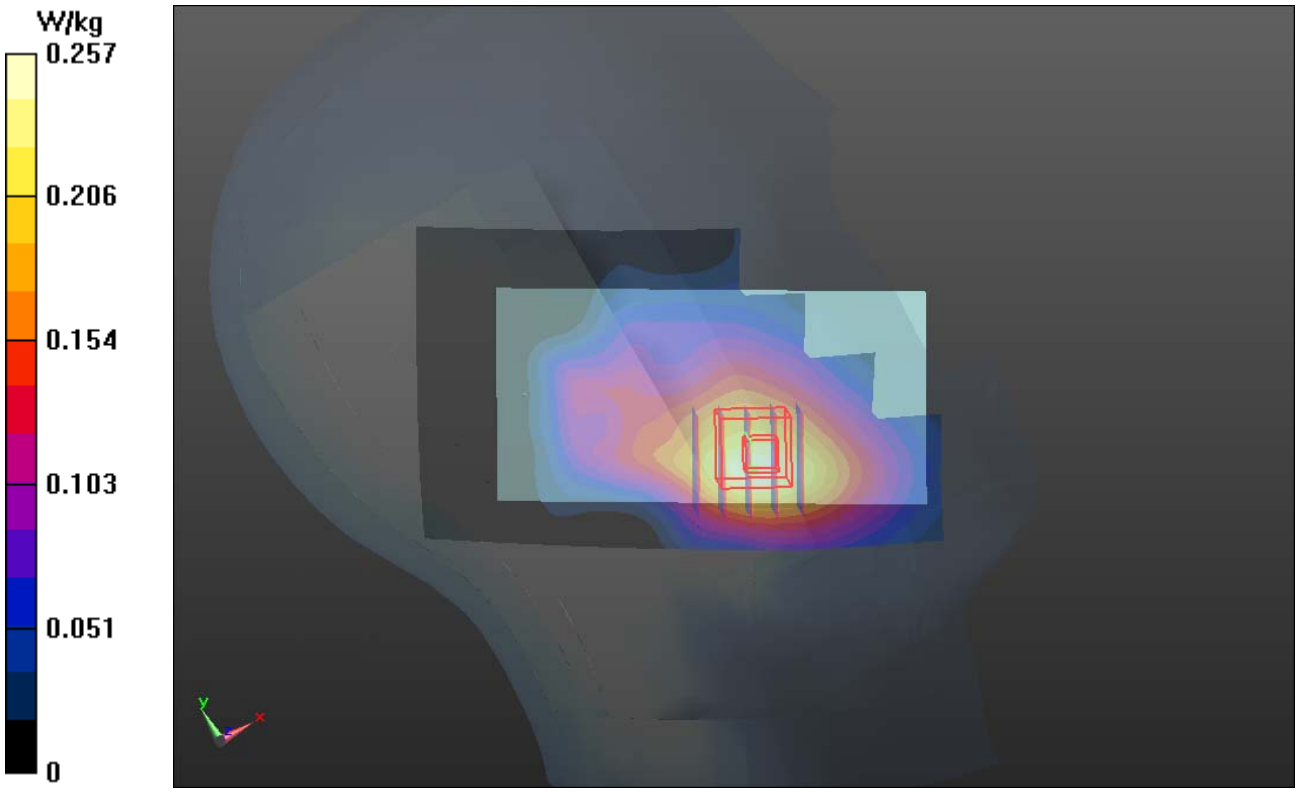
DUT: 120910C04

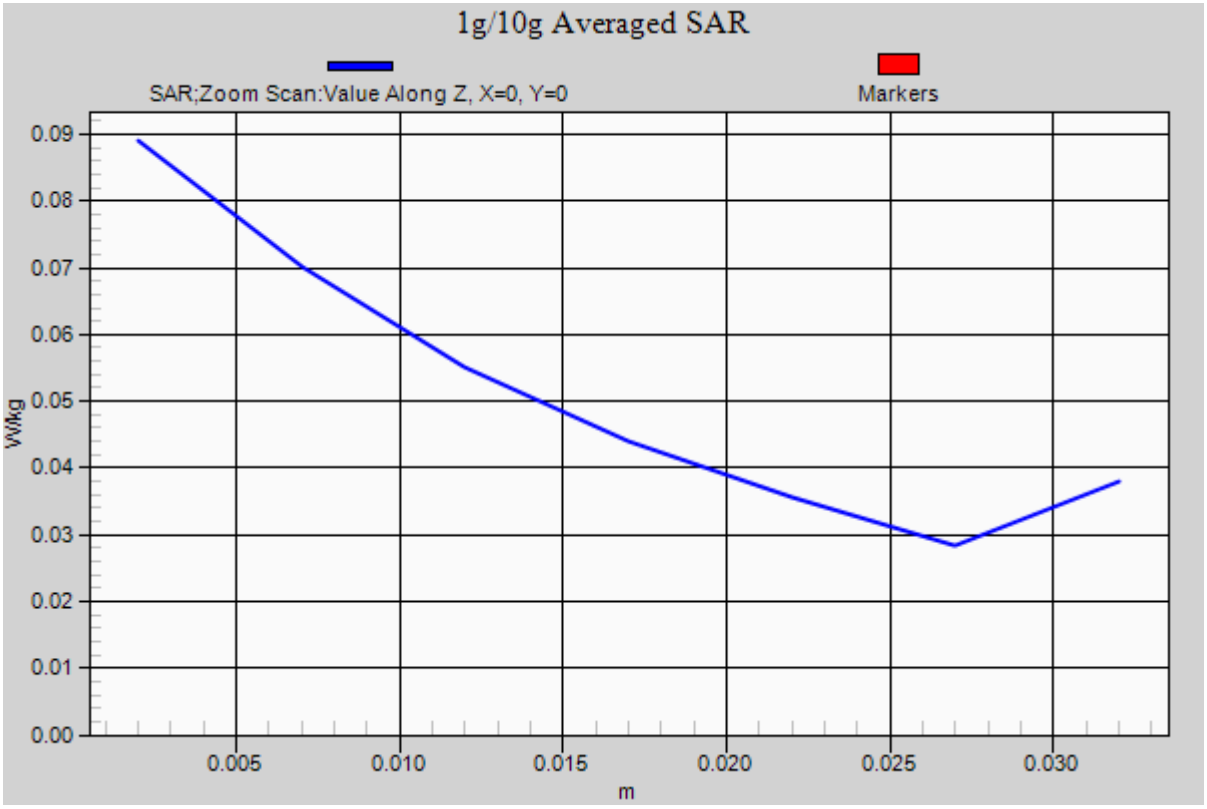
Communication System: GPRS10; Frequency: 824.2 MHz;Duty Cycle: 1:4.00037
Medium: H835_0926 Medium parameters used: f = 824.2 MHz; σ = 0.898 mho/m; ε_r = 42.481; ρ = 1000 kg/m^3
Ambient Temperature：21.6 ℃； Liquid Temperature：20.3 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3650; ConvF(8.87, 8.87, 8.87); Calibrated: 2011/10/26;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861; Calibrated: 2012/08/23
- Phantom: SAM Phantom_Left; Type: SAM V4.0; Serial: TP 1202
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch128/Area Scan (51x91x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.257 W/kg

Ch128/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 5.992 V/m; Power Drift = 0.11 dB
Peak SAR (extrapolated) = 0.258 mW/g
SAR(1 g) = 0.206 mW/g; SAR(10 g) = 0.150 mW/g
Maximum value of SAR (measured) = 0.236 W/kg




1g/10g Averaged SAR
SAR;Zoom Scan:Value Along Z, X=0, Y=0
Markers
W/kg
0.09
0.08
0.07
0.06
0.05
0.04
0.03
0.02
0.01
0.00
0.005
0.010
0.015
0.020
0.025
0.030
m

Test Laboratory: Bureau Veritas ADT SAR/HAC Testing Lab Date: 2012/09/26

P04 GSM850_GPRS10_Left Tilted_Ch128

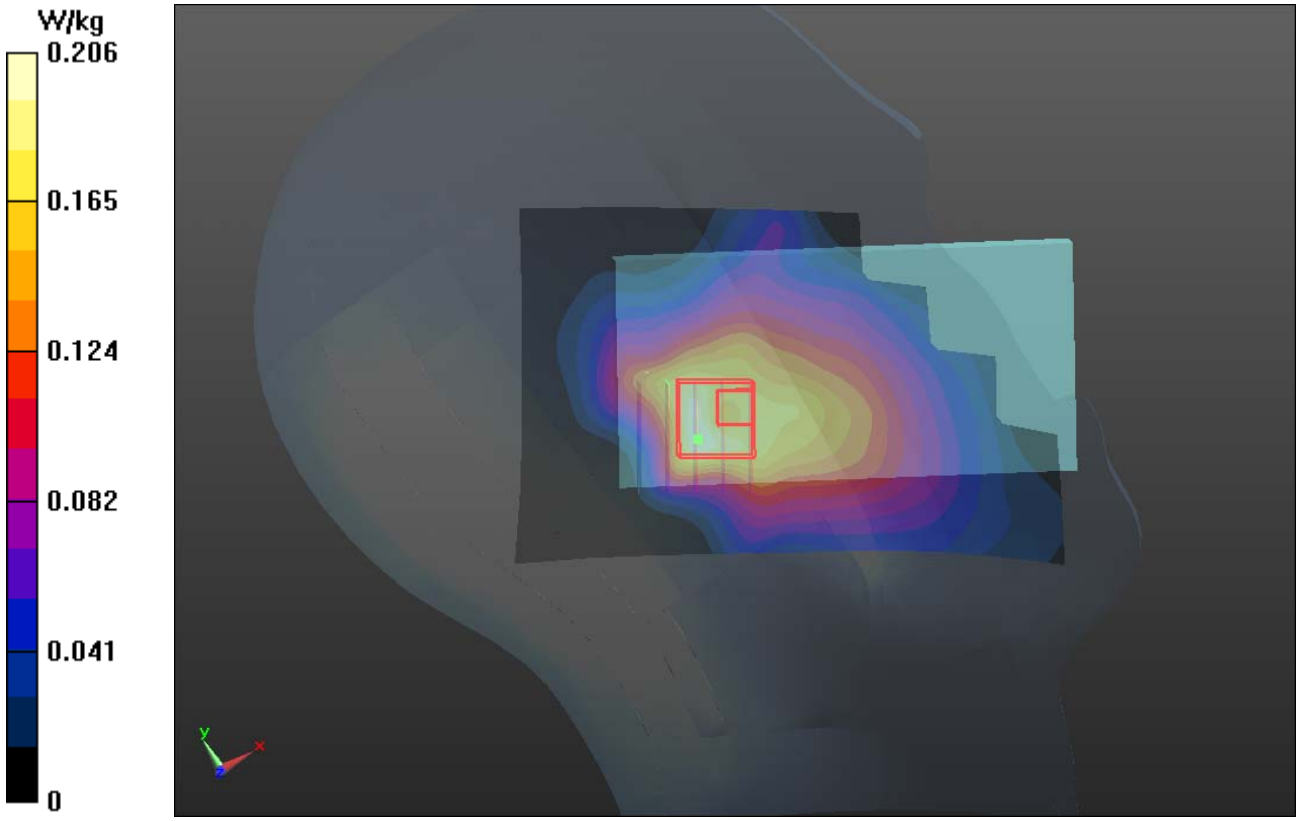
DUT: 120910C04

Communication System: GPRS10; Frequency: 824.2 MHz;Duty Cycle: 1:4.00037
Medium: H835_0926 Medium parameters used: f = 824.2 MHz; σ = 0.898 mho/m; ε_r = 42.481; ρ = 1000 kg/m^3
Ambient Temperature：21.6 ℃; Liquid Temperature：20.3 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3650; ConvF(8.87, 8.87, 8.87); Calibrated: 2011/10/26;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861; Calibrated: 2012/08/23
- Phantom: SAM Phantom_Left; Type: SAM V4.0; Serial: TP 1202
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch128/Area Scan (51x91x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.206 W/kg

Ch128/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 10.692 V/m; Power Drift = 0.13 dB
Peak SAR (extrapolated) = 0.347 mW/g
SAR(1 g) = 0.158 mW/g; SAR(10 g) = 0.115 mW/g
Maximum value of SAR (measured) = 0.333 W/kg



P05 GSM1900_GPRS10_Right Cheek_Ch810

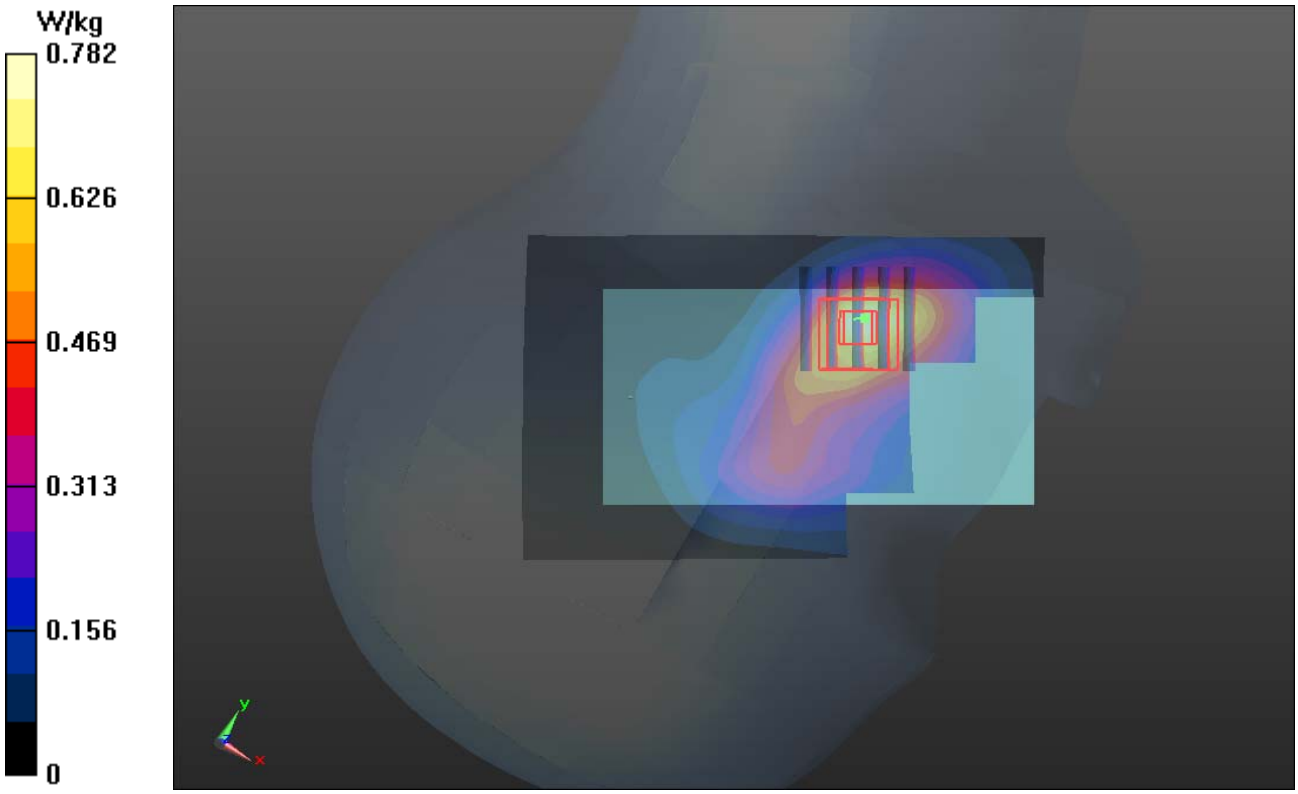
DUT: 120910C04

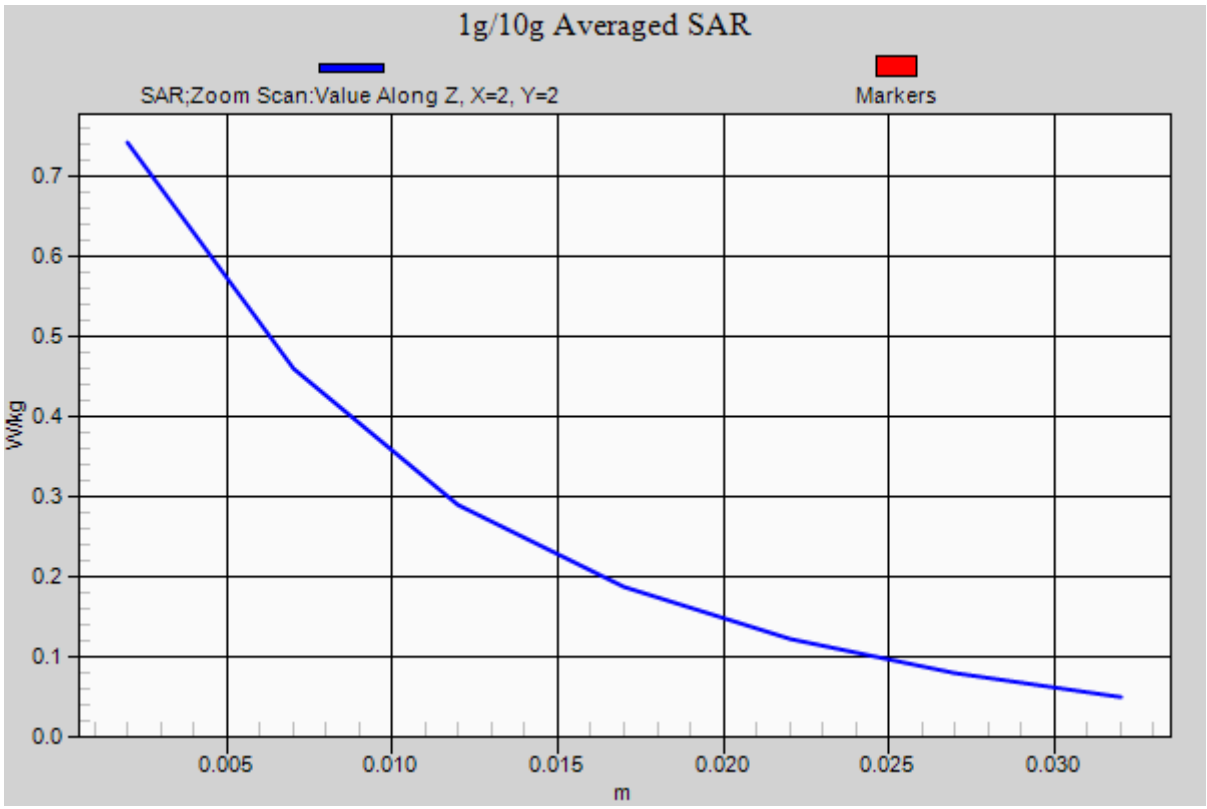
Communication System: GPRS10; Frequency: 1909.8 MHz;Duty Cycle: 1:4.00037
Medium: H1900_0926 Medium parameters used: f = 1910 MHz; σ = 1.446 mho/m; ε_r = 39.704; ρ = 1000 kg/m^3
Ambient Temperature：21.6 ℃； Liquid Temperature：20.4 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3864; ConvF(8.13, 8.13, 8.13); Calibrated: 2012/07/19;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1277; Calibrated: 2012/07/19
- Phantom: SAM Phantom_Front; Type: SAM V4.0; Serial: TP 1485
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch810/Area Scan (51x91x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.782 W/kg

Ch810/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 6.539 V/m; Power Drift = 0.13 dB
Peak SAR (extrapolated) = 0.908 mW/g
SAR(1 g) = 0.573 mW/g; SAR(10 g) = 0.347 mW/g
Maximum value of SAR (measured) = 0.742 W/kg




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

P06 GSM1900_GPRS10_Right Tilted_Ch810

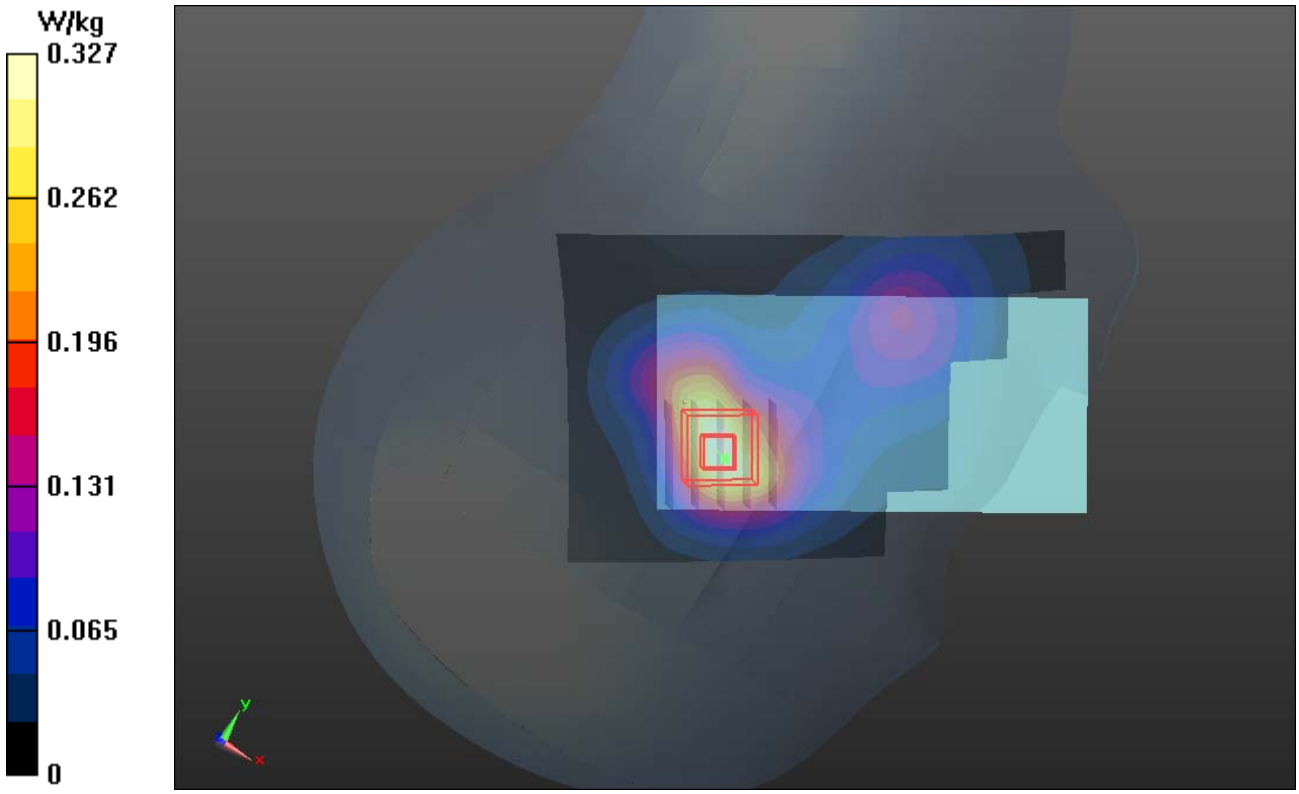
DUT: 120910C04

Communication System: GPRS10; Frequency: 1909.8 MHz;Duty Cycle: 1:4.00037
Medium: H1900_0926 Medium parameters used: f = 1910 MHz; σ = 1.446 mho/m; ε_r = 39.704; ρ = 1000 kg/m^3
Ambient Temperature：21.6 ℃; Liquid Temperature：20.4 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3864; ConvF(8.13, 8.13, 8.13); Calibrated: 2012/07/19;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1277; Calibrated: 2012/07/19
- Phantom: SAM Phantom_Front; Type: SAM V4.0; Serial: TP 1485
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch810/Area Scan (51x91x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.327 W/kg

Ch810/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 13.054 V/m; Power Drift = -0.02 dB
Peak SAR (extrapolated) = 0.374 mW/g
SAR(1 g) = 0.240 mW/g; SAR(10 g) = 0.143 mW/g
Maximum value of SAR (measured) = 0.311 W/kg



P07 GSM1900_GPRS10_Left Cheek_Ch810

DUT: 120910C04

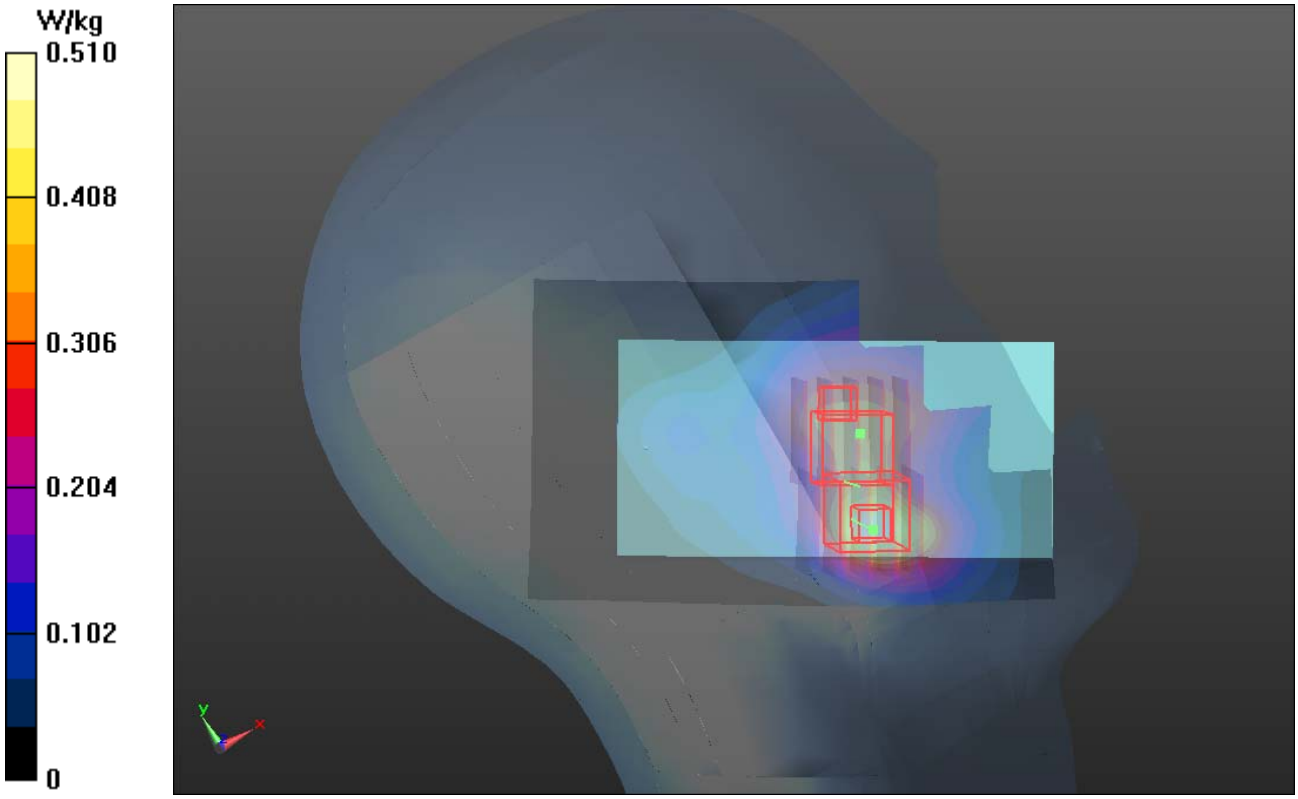
Communication System: GPRS10; Frequency: 1909.8 MHz;Duty Cycle: 1:4.00037
Medium: H1900_0926 Medium parameters used: f = 1910 MHz; σ = 1.446 mho/m; ε_r = 39.704; ρ = 1000 kg/m^3
Ambient Temperature：21.6 ℃; Liquid Temperature：20.4 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3864; ConvF(8.13, 8.13, 8.13); Calibrated: 2012/07/19;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1277; Calibrated: 2012/07/19
- Phantom: SAM Phantom_Front; Type: SAM V4.0; Serial: TP 1485
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch810/Area Scan (51x91x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.510 W/kg

Ch810/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 7.778 V/m; Power Drift = -0.01 dB
Peak SAR (extrapolated) = 0.576 mW/g
SAR(1 g) = 0.370 mW/g; SAR(10 g) = 0.223 mW/g
Maximum value of SAR (measured) = 0.482 W/kg

Ch810/Zoom Scan (5x5x7)/Cube 1: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 7.778 V/m; Power Drift = -0.01 dB
Peak SAR (extrapolated) = 0.411 mW/g
SAR(1 g) = 0.276 mW/g; SAR(10 g) = 0.177 mW/g
Maximum value of SAR (measured) = 0.360 W/kg



P08 GSM1900_GPRS10_Left Tilted_Ch810

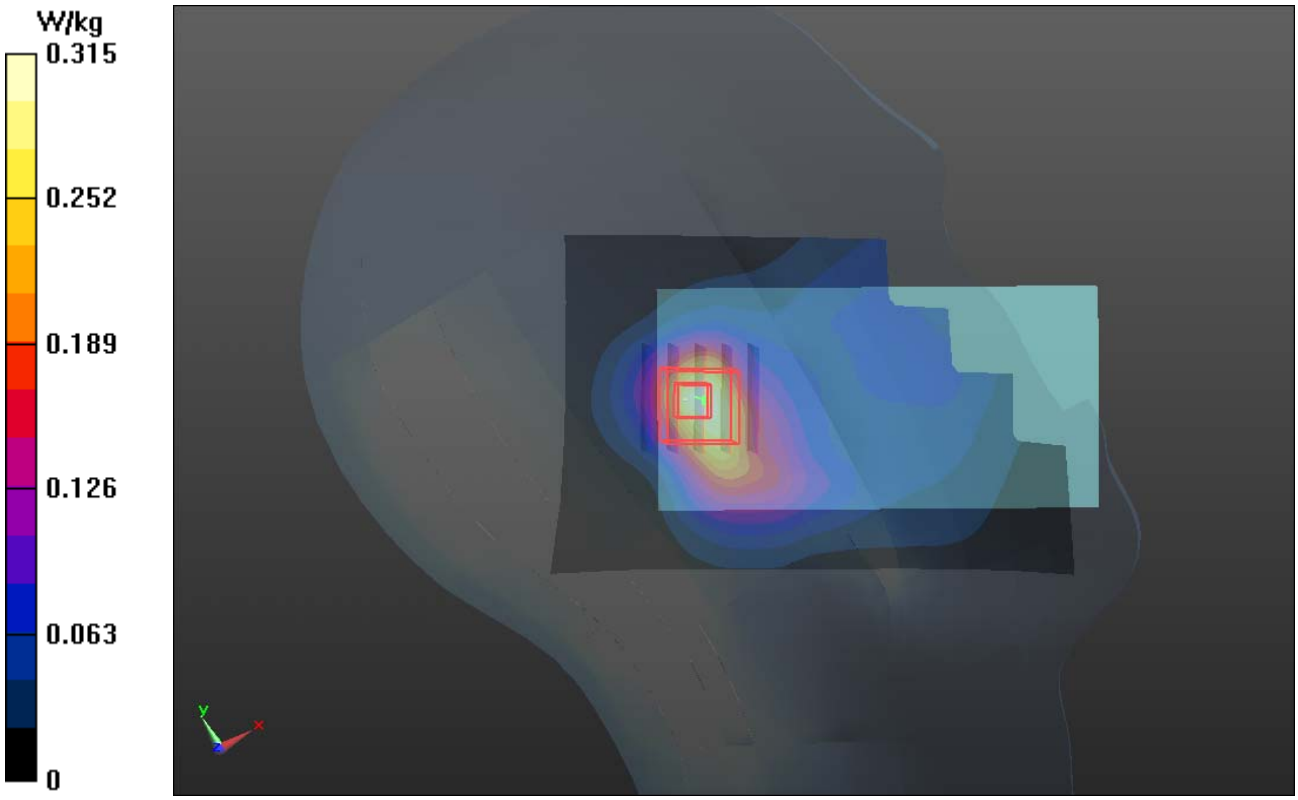
DUT: 120910C04

Communication System: GPRS10; Frequency: 1909.8 MHz;Duty Cycle: 1:4.00037
Medium: H1900_0926 Medium parameters used: f = 1910 MHz; σ = 1.446 mho/m; ε_r = 39.704; ρ = 1000 kg/m^3
Ambient Temperature：21.6 ℃; Liquid Temperature：20.4 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3864; ConvF(8.13, 8.13, 8.13); Calibrated: 2012/07/19;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1277; Calibrated: 2012/07/19
- Phantom: SAM Phantom_Front; Type: SAM V4.0; Serial: TP 1485
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch810/Area Scan (51x91x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.315 W/kg

Ch810/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 13.829 V/m; Power Drift = -0.02 dB
Peak SAR (extrapolated) = 0.340 mW/g
SAR(1 g) = 0.212 mW/g; SAR(10 g) = 0.124 mW/g
Maximum value of SAR (measured) = 0.266 W/kg



Test Laboratory: Bureau Veritas ADT SAR/HAC Testing Lab Date: 2012/10/03

P09 WCDMA V_RMC12.2K_Right Cheek_Ch4233

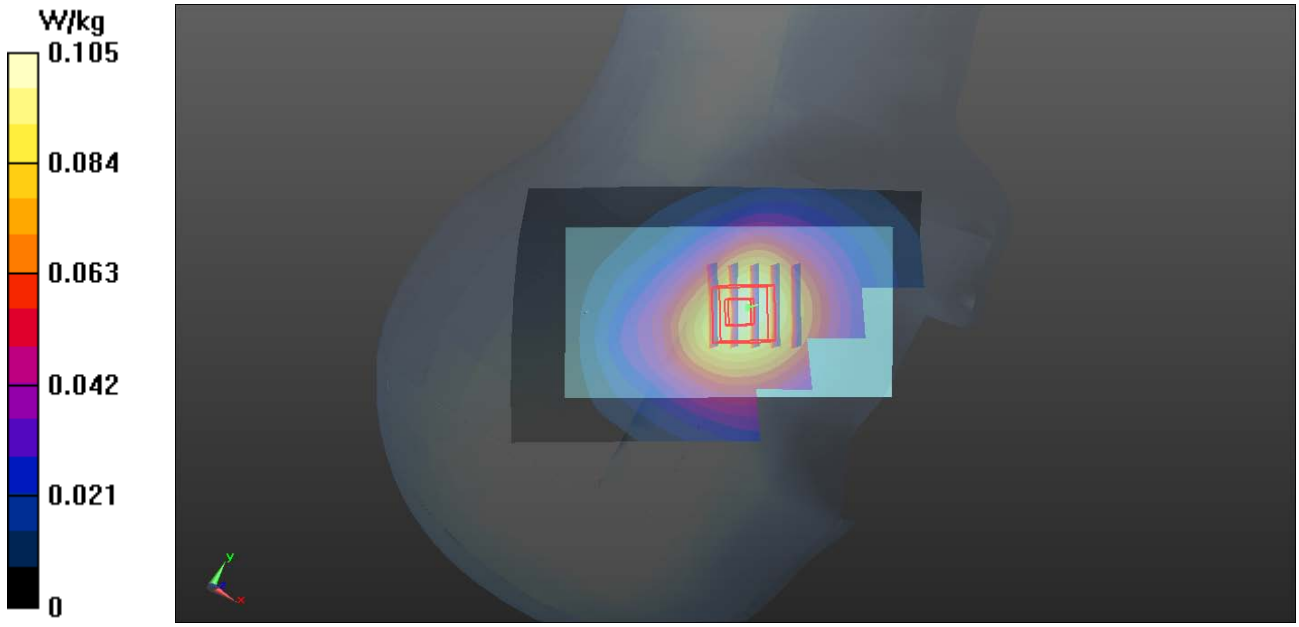
DUT: 120910C04

Communication System: WCDMA; Frequency: 846.6 MHz;Duty Cycle: 1:1
Medium: H835_1003 Medium parameters used: f = 847 MHz; σ = 0.908 mho/m; ε_r = 41.767; ρ = 1000 kg/m^3
Ambient Temperature：21.7 ℃; Liquid Temperature：20.7 ℃

DASY5 Configuration:
- Probe: ET3DV6R - SN1788; ConvF(5.8, 5.8, 5.8); Calibrated: 2012/1/26;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn910; Calibrated: 2011/12/7
- Phantom: SAM Phantom_right; Type: QD000P40CC; Serial: TP:1496
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch4233/Area Scan (51x91x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.105 W/kg

Ch4233/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 4.870 V/m; Power Drift = -0.10 dB
Peak SAR (extrapolated) = 0.118 mW/g
SAR(1 g) = 0.096 mW/g; SAR(10 g) = 0.073 mW/g
Maximum value of SAR (measured) = 0.101 W/kg



Test Laboratory: Bureau Veritas ADT SAR/HAC Testing Lab Date: 2012/10/03

P10 WCDMA V_RMC12.2K_Right Tilted_Ch4233

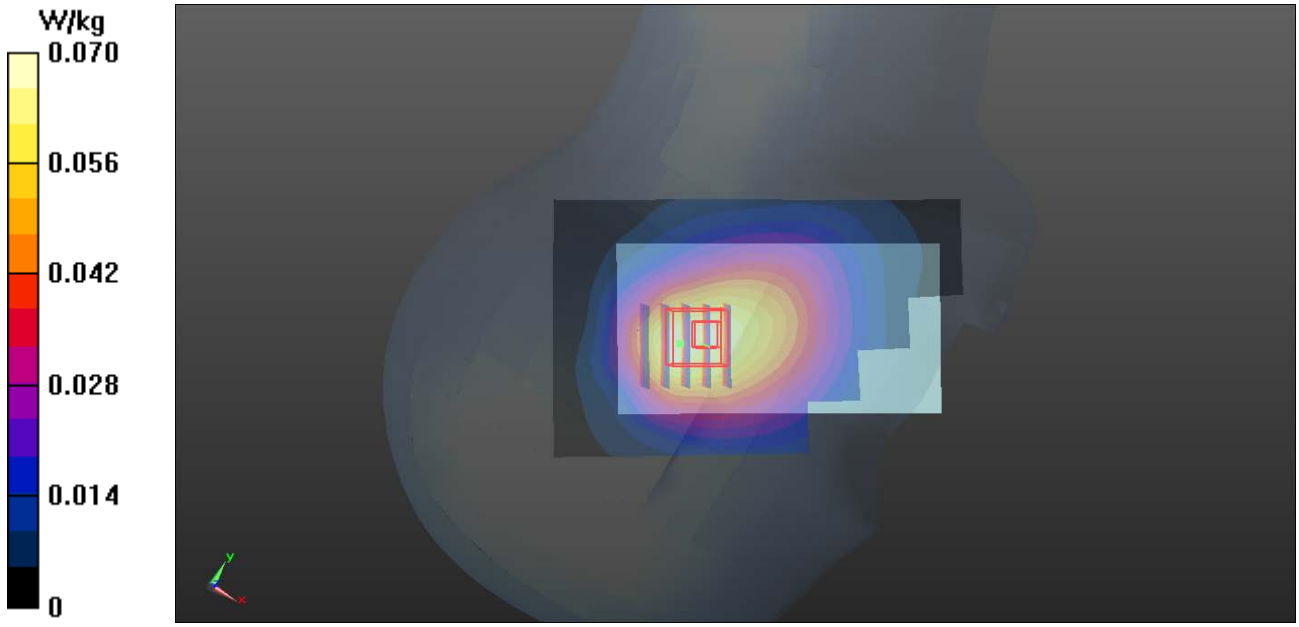
DUT: 120910C04

Communication System: WCDMA; Frequency: 846.6 MHz;Duty Cycle: 1:1
Medium: H835_1003 Medium parameters used: f = 847 MHz; σ = 0.908 mho/m; ε_r = 41.767; ρ = 1000 kg/m^3
Ambient Temperature：21.7 ℃; Liquid Temperature：20.7 ℃

DASY5 Configuration:
- Probe: ET3DV6R - SN1788; ConvF(5.8, 5.8, 5.8); Calibrated: 2012/1/26;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn910; Calibrated: 2011/12/7
- Phantom: SAM Phantom_right; Type: QD000P40CC; Serial: TP:1496
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch4233/Area Scan (51x91x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.0696 W/kg

Ch4233/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 8.242 V/m; Power Drift = -0.14 dB
Peak SAR (extrapolated) = 0.077 mW/g
SAR(1 g) = 0.064 mW/g; SAR(10 g) = 0.047 mW/g
Maximum value of SAR (measured) = 0.0668 W/kg



Test Laboratory: Bureau Veritas ADT SAR/HAC Testing Lab Date: 2012/10/03

P76 WCDMA V_RMC12.2K_Left Cheek_Ch4233

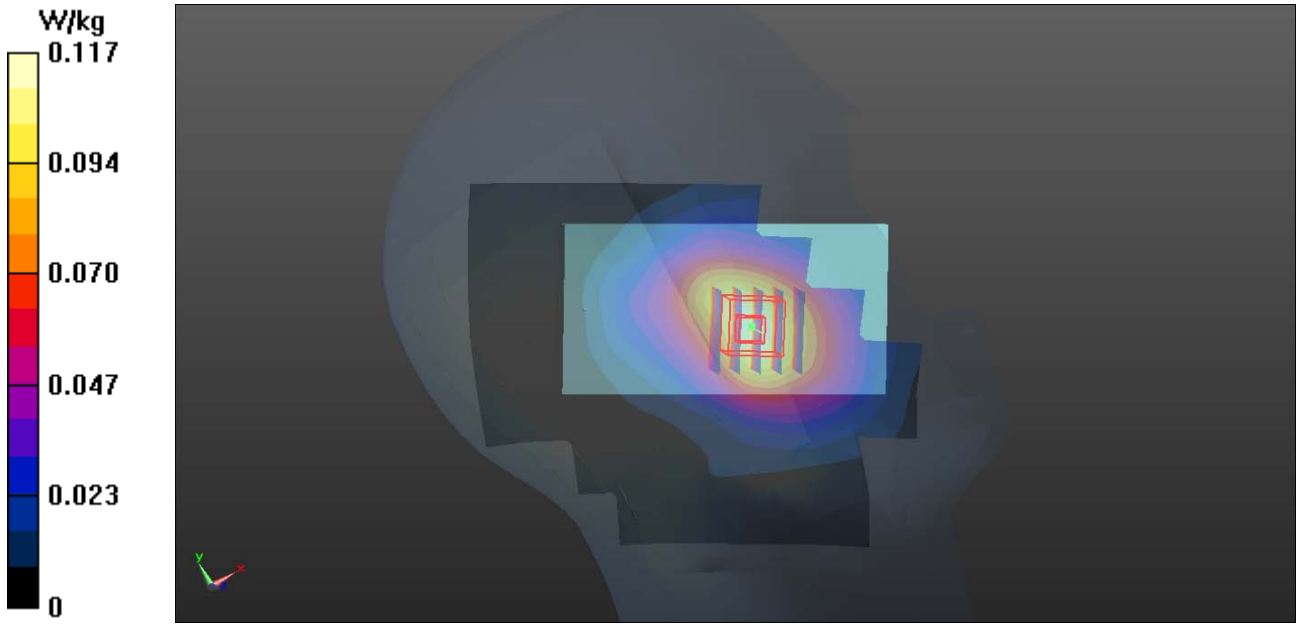
DUT: 120910C04

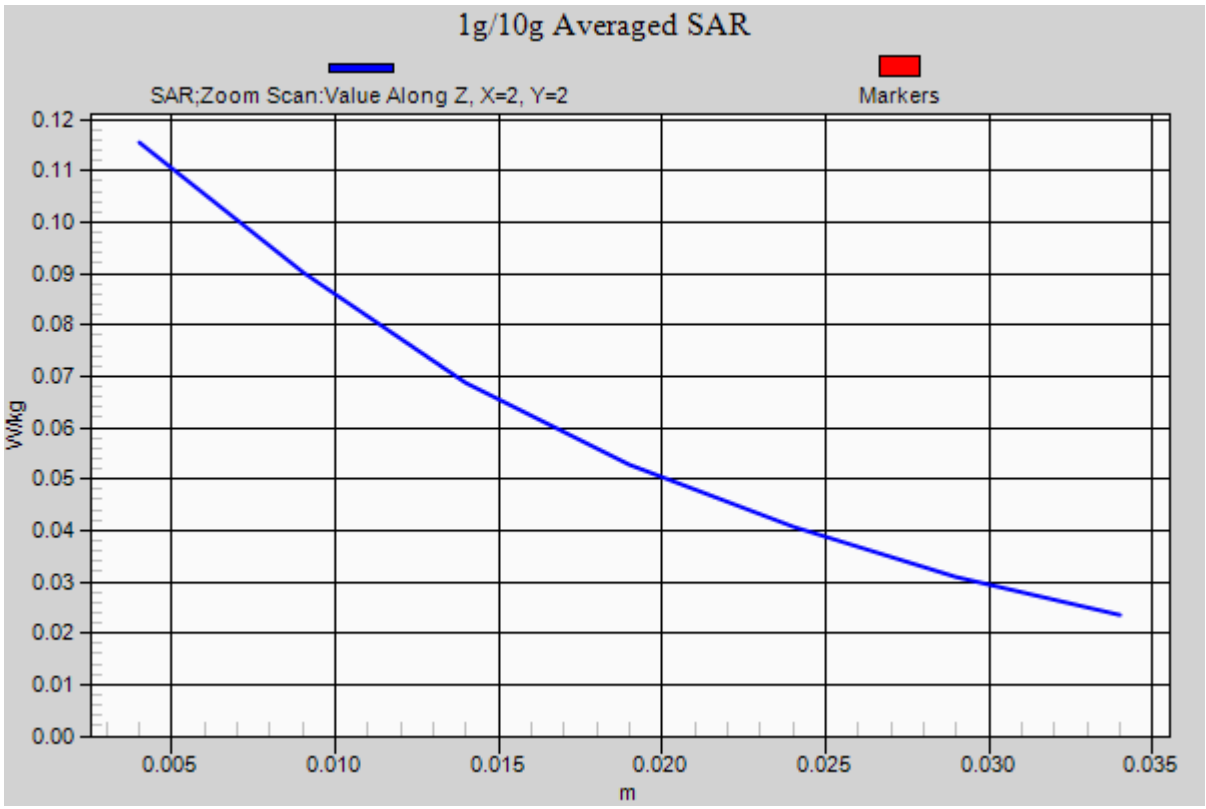
Communication System: WCDMA; Frequency: 846.6 MHz;Duty Cycle: 1:1
Medium: H835_1003 Medium parameters used: f = 847 MHz; σ = 0.908 mho/m; ε_r = 41.767; ρ = 1000 kg/m^3
Ambient Temperature：21.7 ℃; Liquid Temperature：20.7 ℃

DASY5 Configuration:
- Probe: ET3DV6R - SN1788; ConvF(5.8, 5.8, 5.8); Calibrated: 2012/1/26;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn910; Calibrated: 2011/12/7
- Phantom: SAM Phantom_right; Type: QD000P40CC; Serial: TP:1496
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch4233/Area Scan (71x101x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.117 W/kg

Ch4233/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 4.778 V/m; Power Drift = -0.060 dB
Peak SAR (extrapolated) = 0.142 mW/g
SAR(1 g) = 0.109 mW/g; SAR(10 g) = 0.079 mW/g
Maximum value of SAR (measured) = 0.115 W/kg




1g/10g Averaged SAR
SAR;Zoom Scan:Value Along Z, X=2, Y=2
Markers
W/kg
0.12
0.11
0.10
0.09
0.08
0.07
0.06
0.05
0.04
0.03
0.02
0.01
0.00
0.005
0.010
0.015
0.020
0.025
0.030
0.035
m

P12 WCDMA V_RMC12.2K_Left Tilted_Ch4233

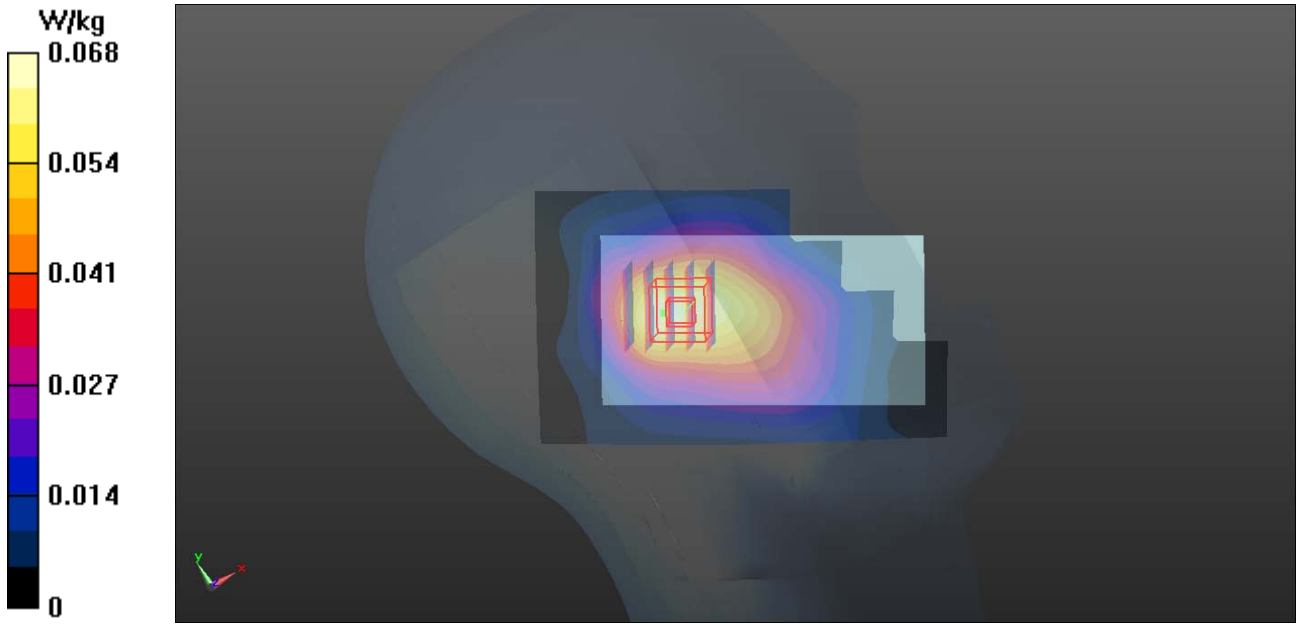
DUT: 120910C04

Communication System: WCDMA; Frequency: 846.6 MHz;Duty Cycle: 1:1
Medium: H835_1003 Medium parameters used: f = 847 MHz; σ = 0.908 mho/m; ε_r = 41.767; ρ = 1000 kg/m^3
Ambient Temperature：21.7 ℃; Liquid Temperature：20.7 ℃

DASY5 Configuration:
- Probe: ET3DV6R - SN1788; ConvF(5.8, 5.8, 5.8); Calibrated: 2012/1/26;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn910; Calibrated: 2011/12/7
- Phantom: SAM Phantom_right; Type: QD000P40CC; Serial: TP:1496
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch4233/Area Scan (51x91x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.0676 W/kg

Ch4233/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 7.756 V/m; Power Drift = -0.15 dB
Peak SAR (extrapolated) = 0.071 mW/g
SAR(1 g) = 0.057 mW/g; SAR(10 g) = 0.043 mW/g
Maximum value of SAR (measured) = 0.0597 W/kg



P13 WCDMA IV_RMC12.2K_Right Cheek_Ch1513

DUT: 120910C04

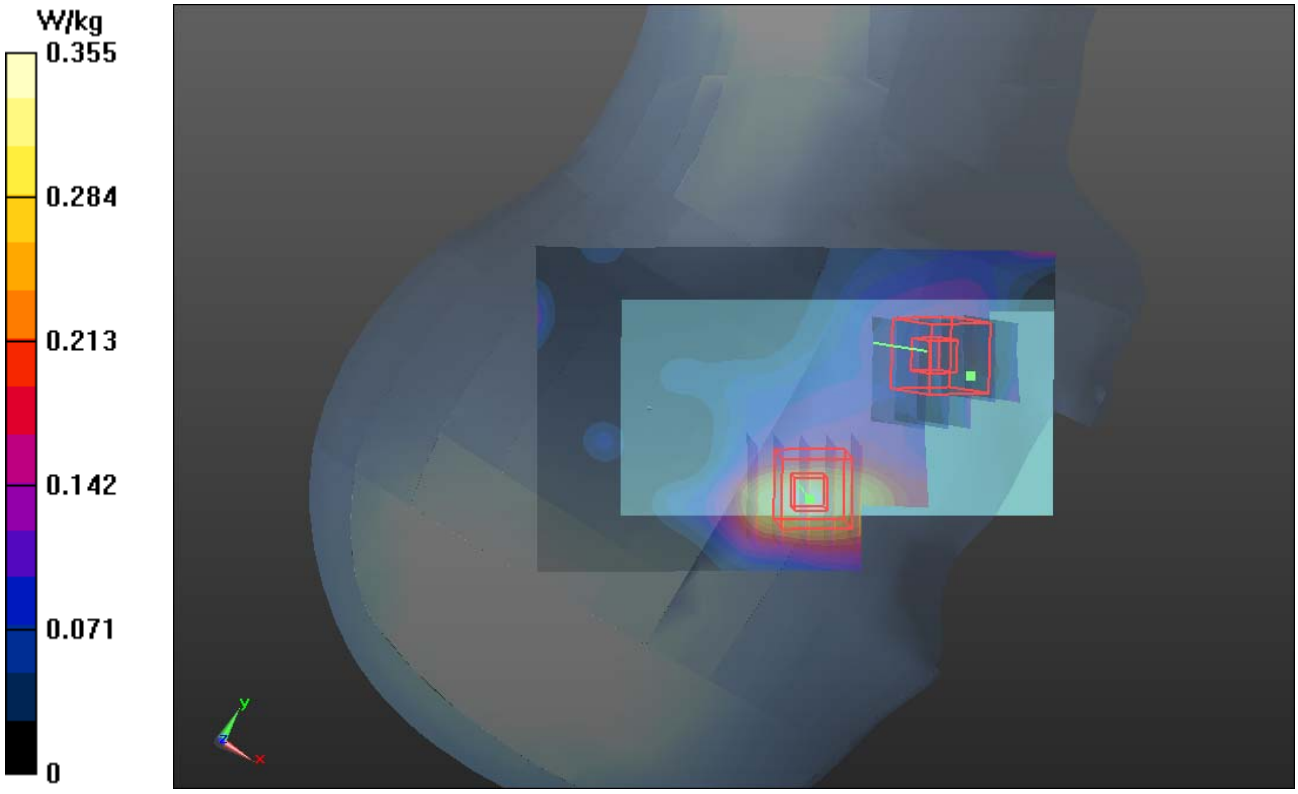
Communication System: WCDMA; Frequency: 1752.6 MHz;Duty Cycle: 1:1
Medium: H1750_0926 Medium parameters used: f = 1753 MHz; σ = 1.337 mho/m; ε_r = 41.697; ρ = 1000 kg/m^3
Ambient Temperature：21.6 ℃; Liquid Temperature：20.2 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3650; ConvF(7.92, 7.92, 7.92); Calibrated: 2011/10/26;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861; Calibrated: 2012/08/23
- Phantom: SAM Phantom_Front; Type: SAM V4.0; Serial: TP 1485
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch1513/Area Scan (51x91x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.355 W/kg

Ch1513/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 3.470 V/m; Power Drift = -0.16 dB
Peak SAR (extrapolated) = 0.409 mW/g
SAR(1 g) = 0.264 mW/g; SAR(10 g) = 0.160 mW/g
Maximum value of SAR (measured) = 0.336 W/kg

Ch1513/Zoom Scan (5x5x7)/Cube 1: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 3.470 V/m; Power Drift = -0.16 dB
Peak SAR (extrapolated) = 0.506 mW/g
SAR(1 g) = 0.164 mW/g; SAR(10 g) = 0.085 mW/g
Maximum value of SAR (measured) = 0.232 W/kg



P14 WCDMA IV_RMC12.2K_Right Tilted_Ch1513

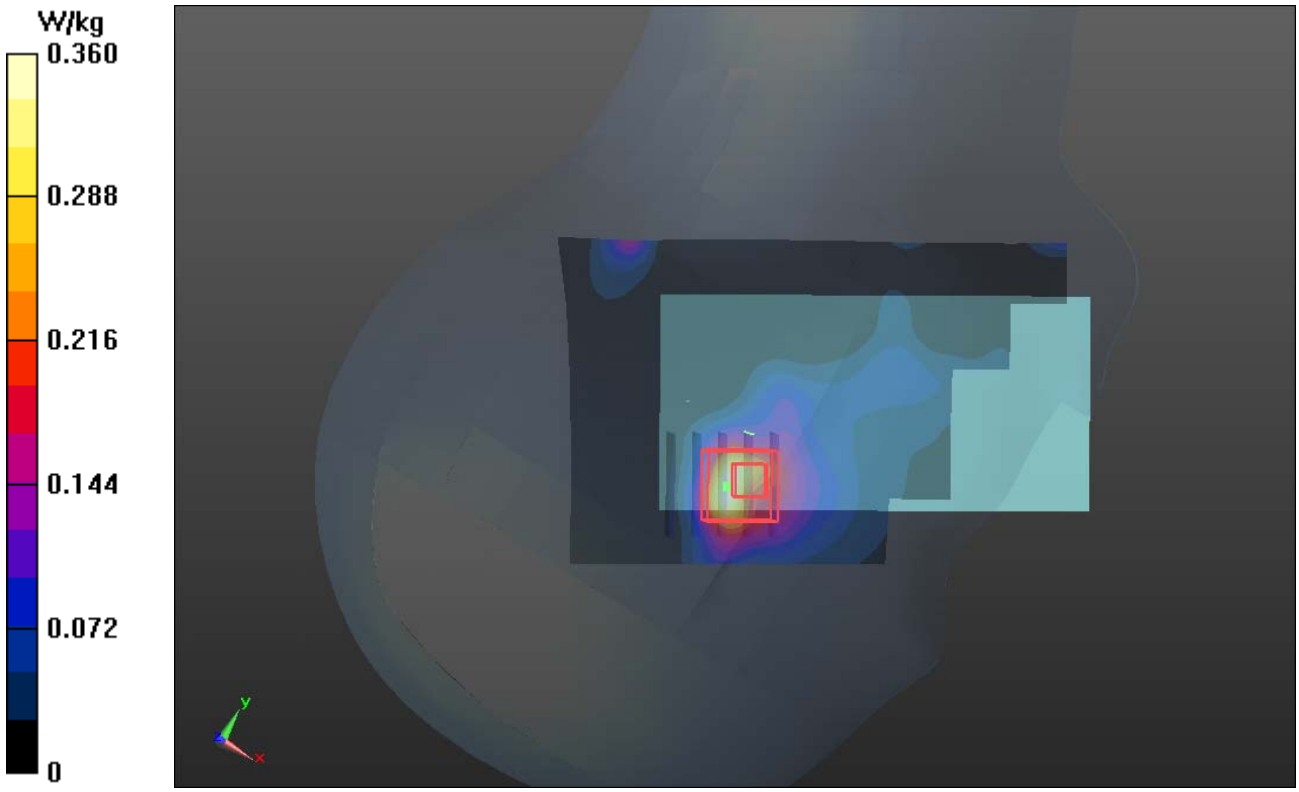
DUT: 120910C04

Communication System: WCDMA; Frequency: 1752.6 MHz;Duty Cycle: 1:1
Medium: H1750_0926 Medium parameters used: f = 1753 MHz; σ = 1.337 mho/m; ε_r = 41.697; ρ = 1000 kg/m^3
Ambient Temperature：21.6 ℃; Liquid Temperature：20.2 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3650; ConvF(7.92, 7.92, 7.92); Calibrated: 2011/10/26;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861; Calibrated: 2012/08/23
- Phantom: SAM Phantom_Front; Type: SAM V4.0; Serial: TP 1485
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch1513/Area Scan (51x91x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.360 W/kg

Ch1513/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 8.178 V/m; Power Drift = 0.08 dB
Peak SAR (extrapolated) = 0.231 mW/g
SAR(1 g) = 0.138 mW/g; SAR(10 g) = 0.088 mW/g
Maximum value of SAR (measured) = 0.209 W/kg



Test Laboratory: Bureau Veritas ADT SAR/HAC Testing Lab Date: 2012/09/26

P15 WCDMA IV_RMC12.2K_Left Cheek_Ch1513

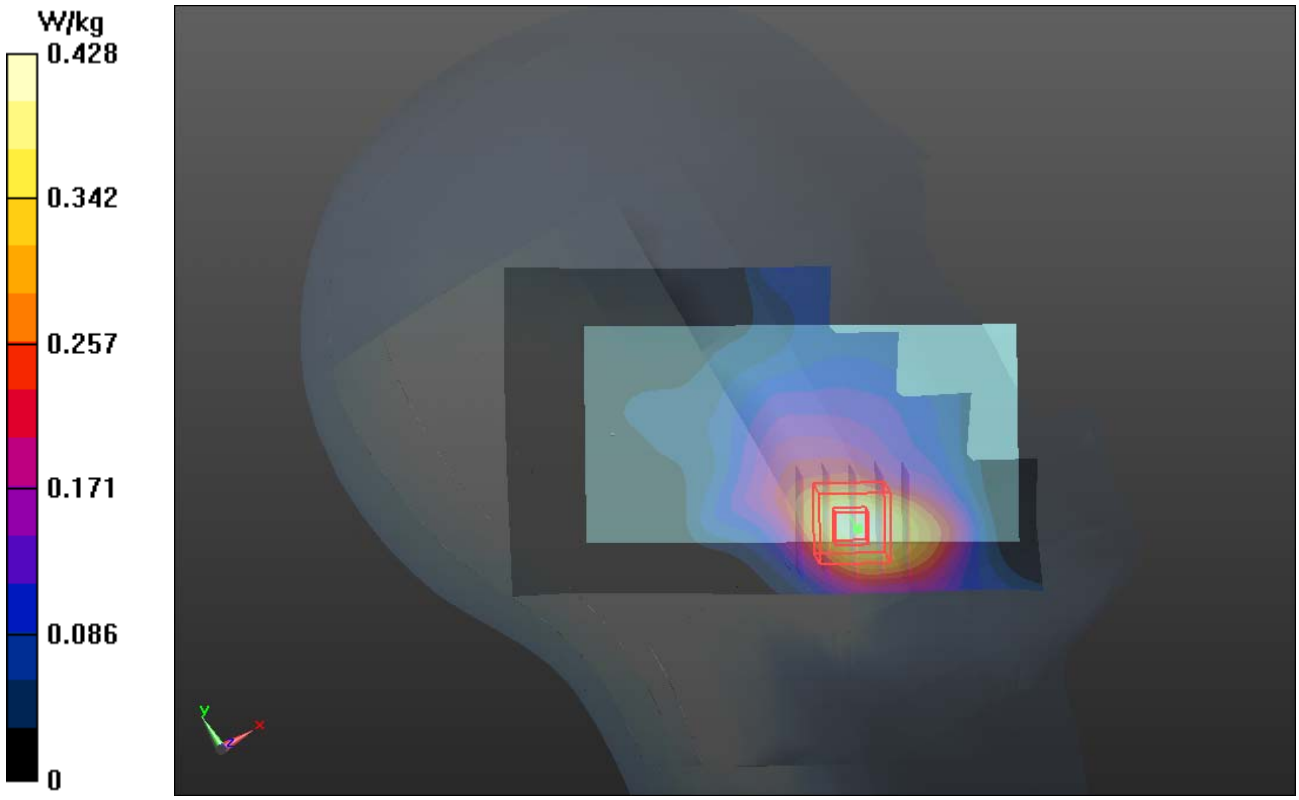
DUT: 120910C04

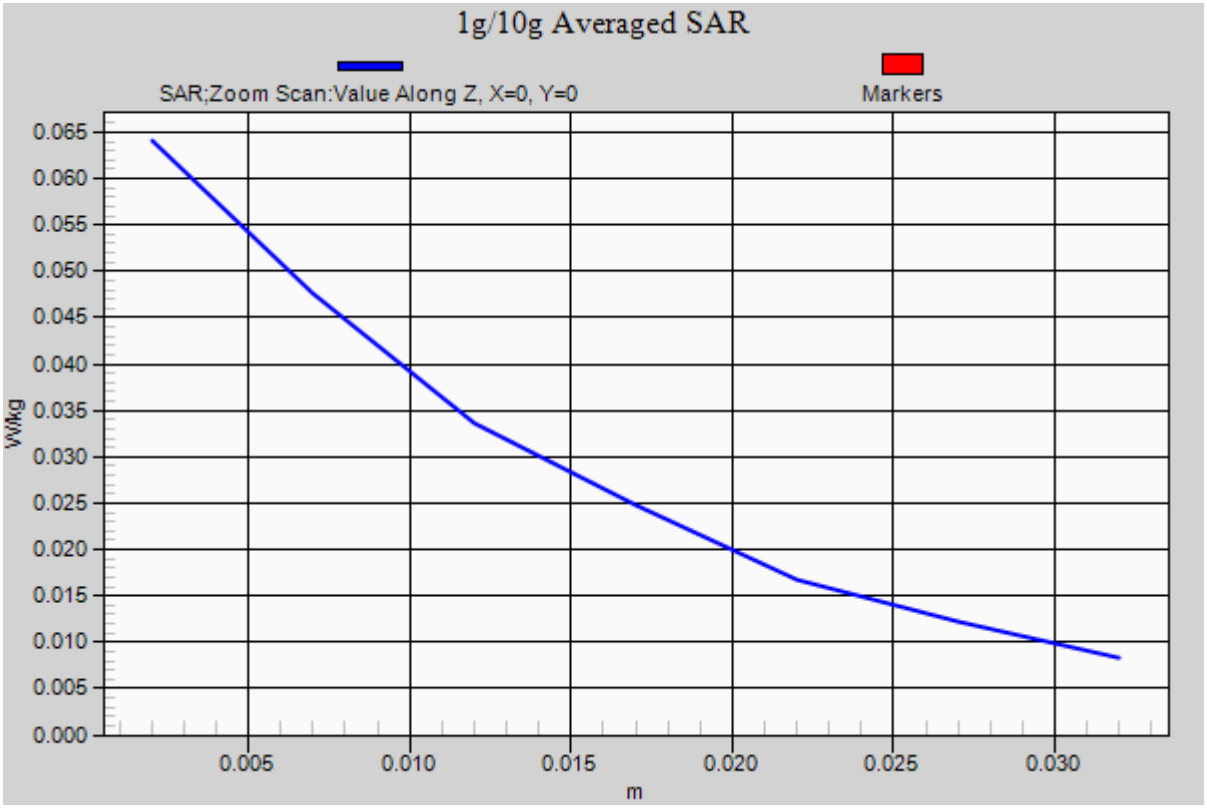
Communication System: WCDMA; Frequency: 1752.6 MHz;Duty Cycle: 1:1
Medium: H1750_0926 Medium parameters used: f = 1753 MHz; σ = 1.337 mho/m; ε_r = 41.697; ρ = 1000 kg/m^3
Ambient Temperature：21.6 ℃; Liquid Temperature：20.2 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3650; ConvF(7.92, 7.92, 7.92); Calibrated: 2011/10/26;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861; Calibrated: 2012/08/23
- Phantom: SAM Phantom_Front; Type: SAM V4.0; Serial: TP 1485
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch1513/Area Scan (51x91x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.428 W/kg

Ch1513/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 7.077 V/m; Power Drift = 0.11 dB
Peak SAR (extrapolated) = 0.500 mW/g
SAR(1 g) = 0.320 mW/g; SAR(10 g) = 0.200 mW/g
Maximum value of SAR (measured) = 0.415 W/kg




1g/10g Averaged SAR
SAR;Zoom Scan:Value Along Z, X=0, Y=0
Markers
W/kg
0.065
0.060
0.055
0.050
0.045
0.040
0.035
0.030
0.025
0.020
0.015
0.010
0.005
0.000
0.005
0.010
0.015
0.020
0.025
0.030
m

P16 WCDMA IV_RMC12.2K_Left Tilted_Ch1513

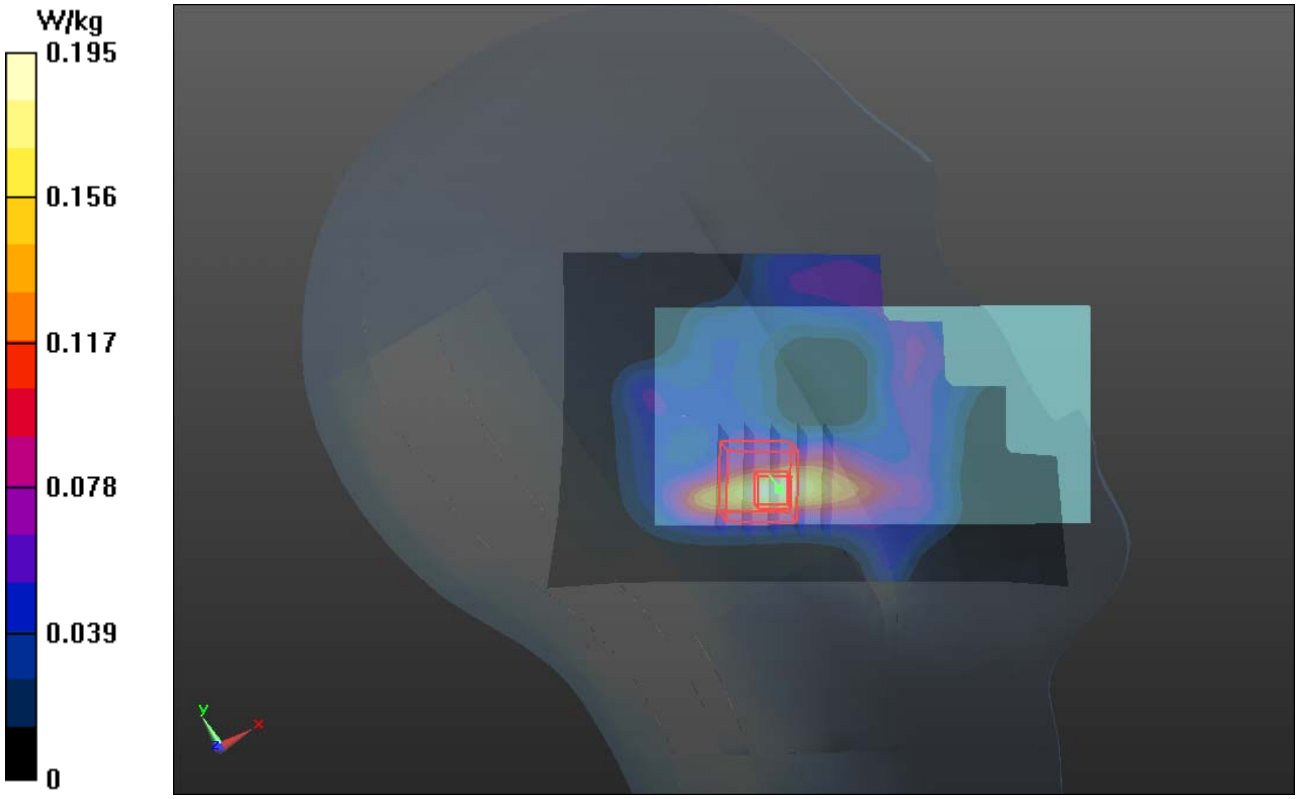
DUT: 120910C04

Communication System: WCDMA; Frequency: 1752.6 MHz;Duty Cycle: 1:1
Medium: H1750_0926 Medium parameters used: f = 1753 MHz; σ = 1.337 mho/m; ε_r = 41.697; ρ = 1000 kg/m^3
Ambient Temperature：21.6 ℃; Liquid Temperature：20.2 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3650; ConvF(7.92, 7.92, 7.92); Calibrated: 2011/10/26;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861; Calibrated: 2012/08/23
- Phantom: SAM Phantom_Front; Type: SAM V4.0; Serial: TP 1485
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch1513/Area Scan (51x91x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.195 W/kg

Ch1513/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 9.305 V/m; Power Drift = 0.11 dB
Peak SAR (extrapolated) = 0.146 mW/g
SAR(1 g) = 0.080 mW/g; SAR(10 g) = 0.051 mW/g
Maximum value of SAR (measured) = 0.105 W/kg



P17 WCDMA II_RMC12.2K_Right Cheek_Ch9538

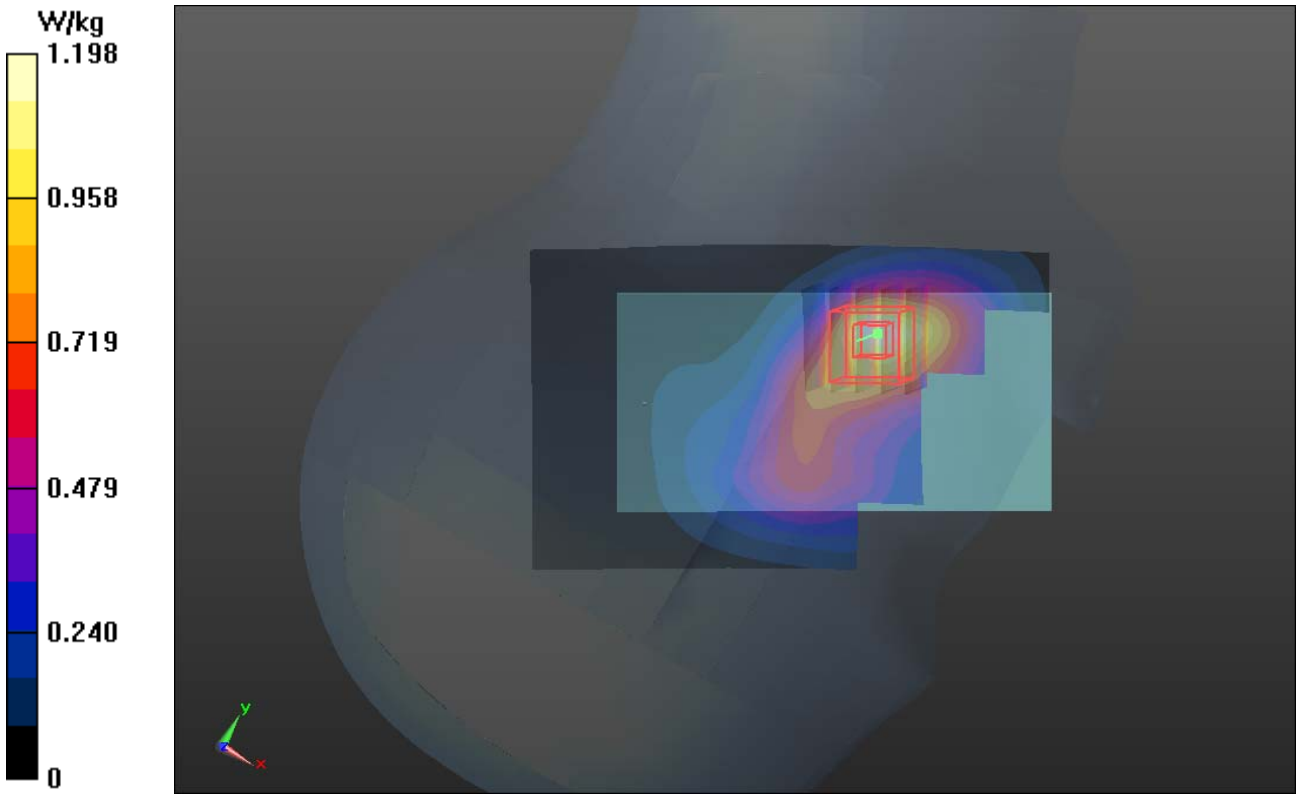
DUT: 120910C04

Communication System: WCDMA; Frequency: 1907.6 MHz;Duty Cycle: 1:1
Medium: H1900_0926 Medium parameters used: f = 1908 MHz; σ = 1.444 mho/m; ε_r = 39.711; ρ = 1000 kg/m^3
Ambient Temperature：21.6 ℃； Liquid Temperature：20.4 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3864; ConvF(8.13, 8.13, 8.13); Calibrated: 2012/07/19;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1277; Calibrated: 2012/07/19
- Phantom: SAM Phantom_Front; Type: SAM V4.0; Serial: TP 1485
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch9538/Area Scan (51x91x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 1.20 W/kg

Ch9538/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 7.673 V/m; Power Drift = 0.12 dB
Peak SAR (extrapolated) = 1.397 mW/g
SAR(1 g) = 0.886 mW/g; SAR(10 g) = 0.539 mW/g
Maximum value of SAR (measured) = 1.15 W/kg



P18 WCDMA II_RMC12.2K_Right Tilted_Ch9538

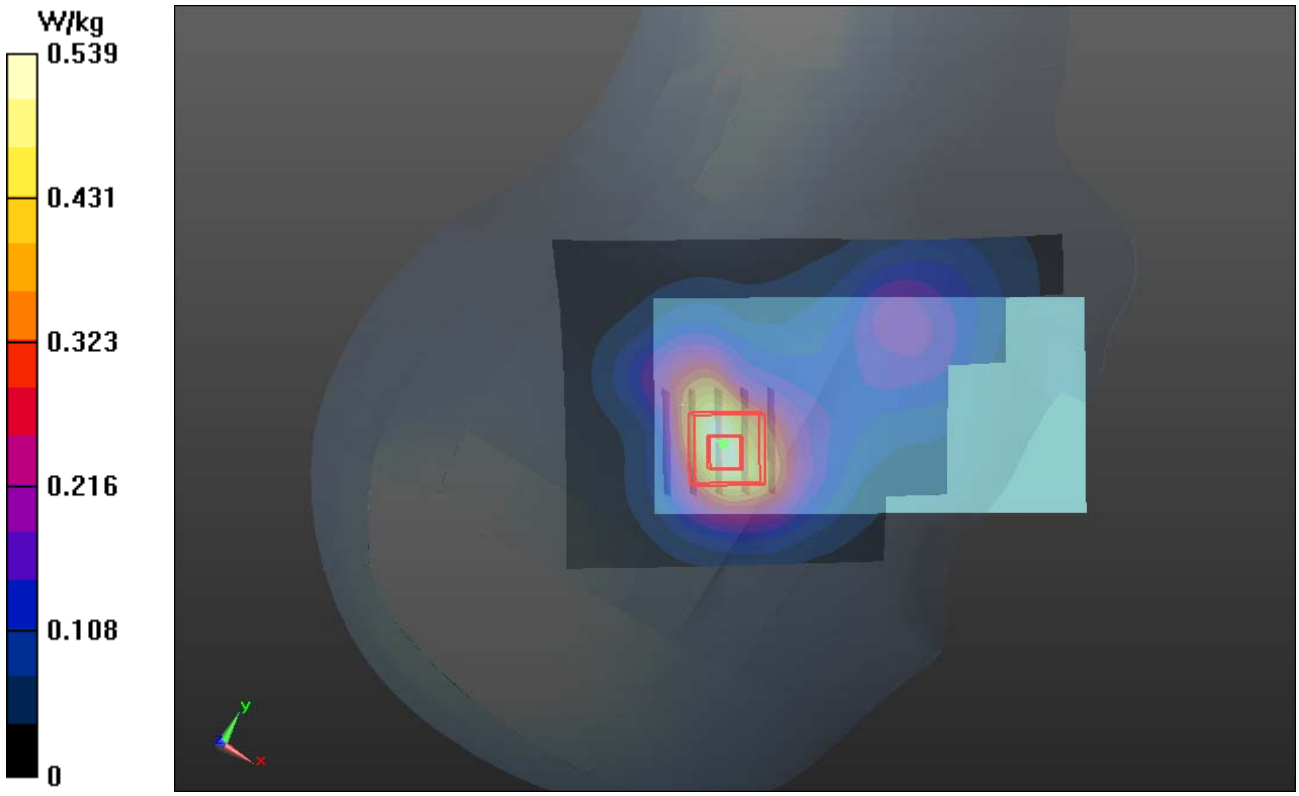
DUT: 120910C04

Communication System: WCDMA; Frequency: 1907.6 MHz;Duty Cycle: 1:1
Medium: H1900_0926 Medium parameters used: f = 1908 MHz; σ = 1.444 mho/m; ε_r = 39.711; ρ = 1000 kg/m^3
Ambient Temperature：21.6 ℃； Liquid Temperature：20.4 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3864; ConvF(8.13, 8.13, 8.13); Calibrated: 2012/07/19;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1277; Calibrated: 2012/07/19
- Phantom: SAM Phantom_Front; Type: SAM V4.0; Serial: TP 1485
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch9538/Area Scan (51x91x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.539 W/kg

Ch9538/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 15.415 V/m; Power Drift = 0.13 dB
Peak SAR (extrapolated) = 0.599 mW/g
SAR(1 g) = 0.381 mW/g; SAR(10 g) = 0.226 mW/g
Maximum value of SAR (measured) = 0.486 W/kg



Test Laboratory: Bureau Veritas ADT SAR/HAC Testing Lab Date: 2012/09/26

P19 WCDMA II_RMC12.2K_Left Cheek_Ch9538

DUT: 120910C04

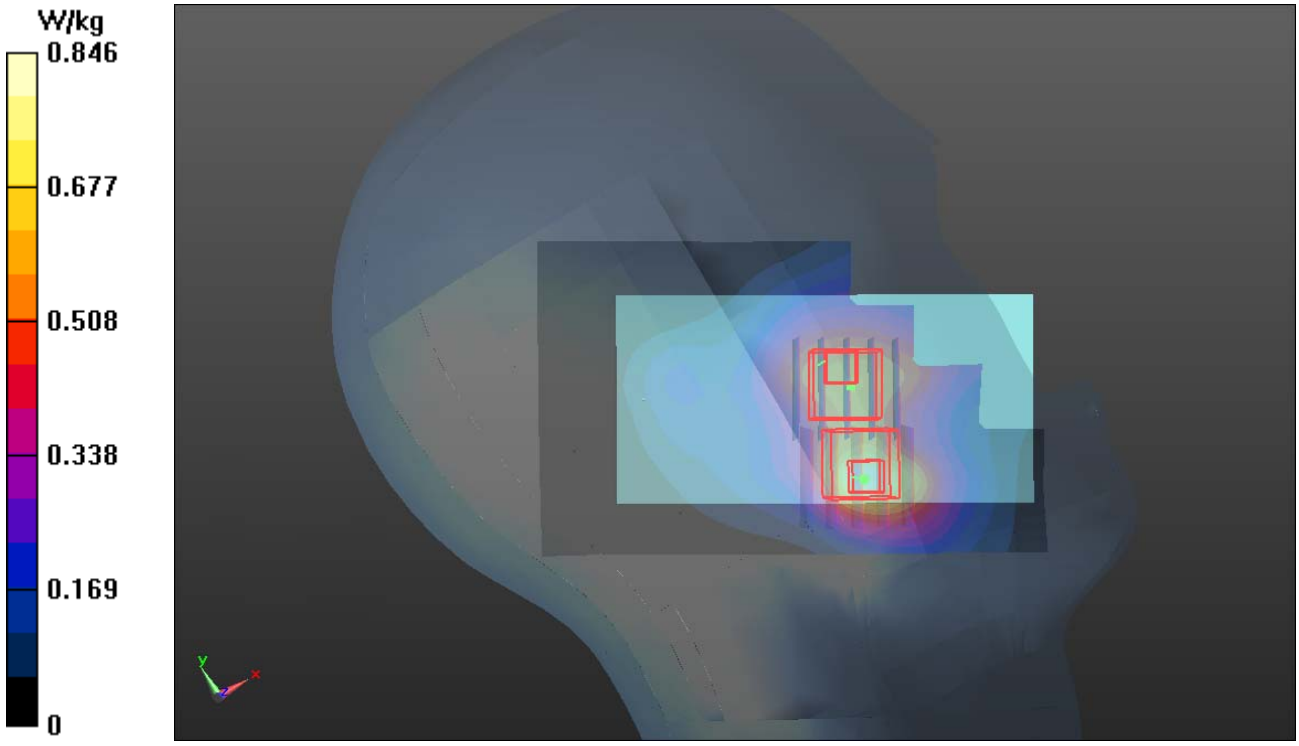
Communication System: WCDMA; Frequency: 1907.6 MHz;Duty Cycle: 1:1
Medium: H1900_0926 Medium parameters used: f = 1908 MHz; σ = 1.444 mho/m; ε_r = 39.711; ρ = 1000 kg/m^3
Ambient Temperature：21.6 ℃; Liquid Temperature：20.4 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3864; ConvF(8.13, 8.13, 8.13); Calibrated: 2012/07/19;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1277; Calibrated: 2012/07/19
- Phantom: SAM Phantom_Front; Type: SAM V4.0; Serial: TP 1485
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch9538/Area Scan (51x91x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.846 W/kg

Ch9538/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 9.740 V/m; Power Drift = -0.05 dB
Peak SAR (extrapolated) = 0.923 mW/g
SAR(1 g) = 0.601 mW/g; SAR(10 g) = 0.369 mW/g
Maximum value of SAR (measured) = 0.776 W/kg

Ch9538/Zoom Scan (5x5x7)/Cube 1: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 9.740 V/m; Power Drift = -0.05 dB
Peak SAR (extrapolated) = 0.726 mW/g
SAR(1 g) = 0.482 mW/g; SAR(10 g) = 0.317 mW/g
Maximum value of SAR (measured) = 0.609 W/kg



P20 WCDMA II_RMC12.2K_Left Tilted_Ch9538

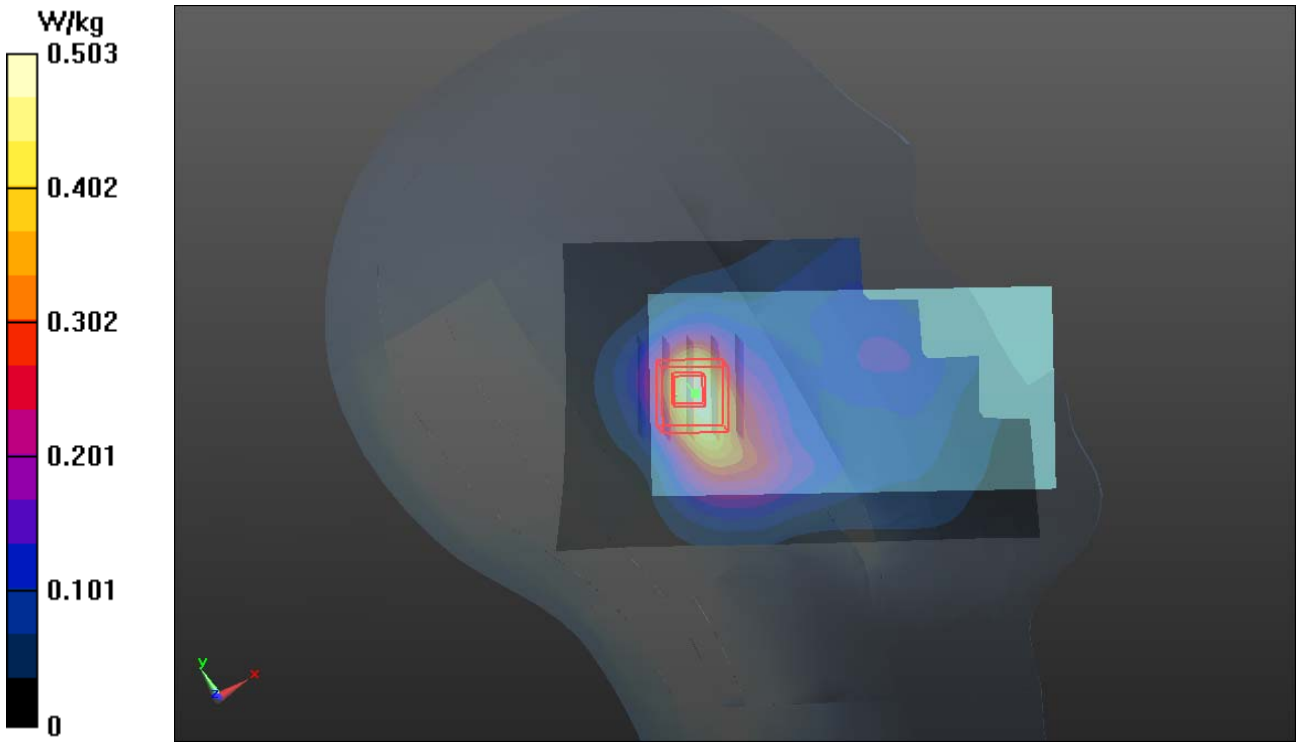
DUT: 120910C04

Communication System: WCDMA; Frequency: 1907.6 MHz;Duty Cycle: 1:1
Medium: H1900_0926 Medium parameters used: f = 1908 MHz; σ = 1.444 mho/m; ε_r = 39.711; ρ = 1000 kg/m^3
Ambient Temperature：21.6 ℃; Liquid Temperature：20.4 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3864; ConvF(8.13, 8.13, 8.13); Calibrated: 2012/07/19;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1277; Calibrated: 2012/07/19
- Phantom: SAM Phantom_Front; Type: SAM V4.0; Serial: TP 1485
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch9538/Area Scan (51x91x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.503 W/kg

Ch9538/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 17.325 V/m; Power Drift = -0.13 dB
Peak SAR (extrapolated) = 0.541 mW/g
SAR(1 g) = 0.341 mW/g; SAR(10 g) = 0.202 mW/g
Maximum value of SAR (measured) = 0.442 W/kg



P21 WCDMA II_RMC12.2K_Right Cheek_Ch9262

DUT: 120910C04

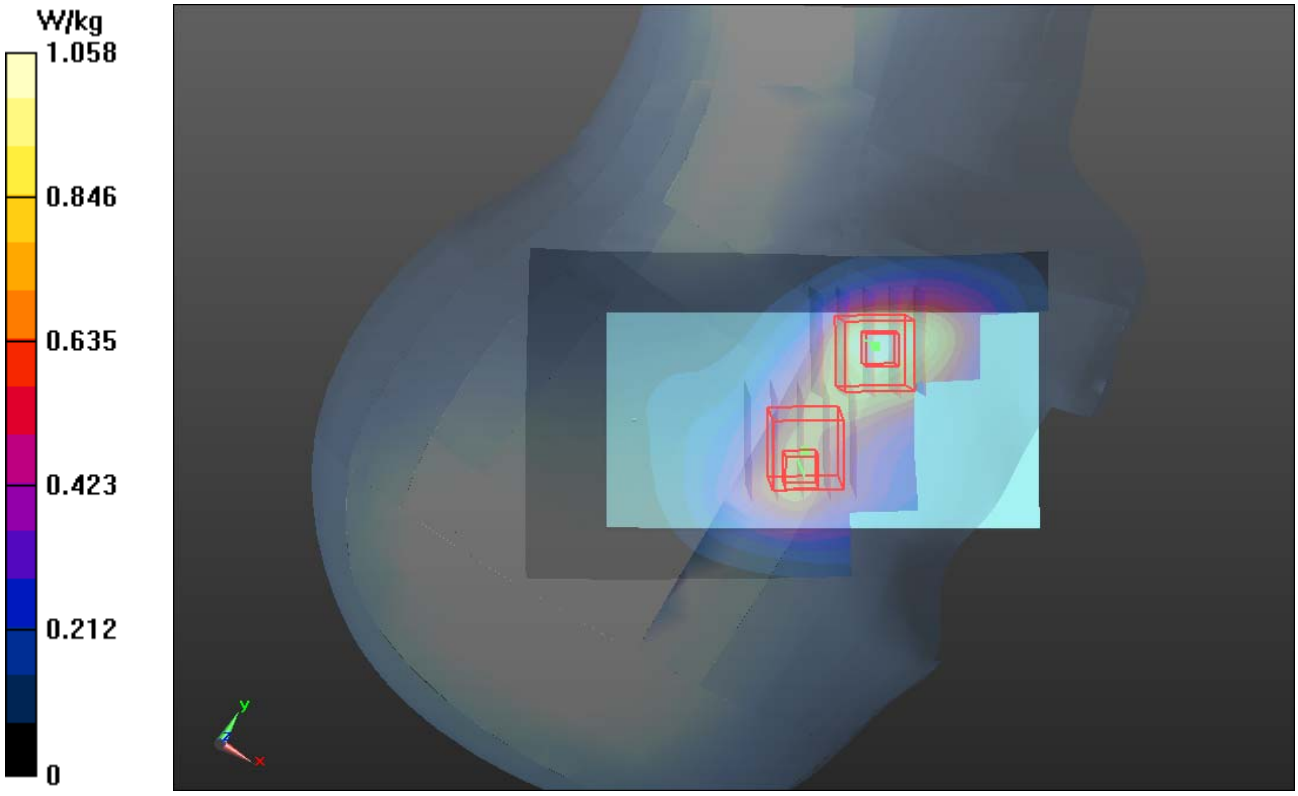
Communication System: WCDMA; Frequency: 1852.4 MHz;Duty Cycle: 1:1
Medium: H1900_0926 Medium parameters used: f = 1852.4 MHz; σ = 1.387 mho/m; ε_r = 39.961; ρ = 1000 kg/m^3
Ambient Temperature：21.6 ℃； Liquid Temperature：20.4 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3864; ConvF(8.13, 8.13, 8.13); Calibrated: 2012/07/19;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1277; Calibrated: 2012/07/19
- Phantom: SAM Phantom_Front; Type: SAM V4.0; Serial: TP 1485
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch9262/Area Scan (51x91x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 1.06 W/kg

Ch9262/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 6.799 V/m; Power Drift = 0.16 dB
Peak SAR (extrapolated) = 1.250 mW/g
SAR(1 g) = 0.806 mW/g; SAR(10 g) = 0.498 mW/g
Maximum value of SAR (measured) = 1.05 W/kg

Ch9262/Zoom Scan (5x5x7)/Cube 1: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 6.799 V/m; Power Drift = 0.16 dB
Peak SAR (extrapolated) = 0.837 mW/g
SAR(1 g) = 0.560 mW/g; SAR(10 g) = 0.366 mW/g
Maximum value of SAR (measured) = 0.713 W/kg



Test Laboratory: Bureau Veritas ADT SAR/HAC Testing Lab Date: 2012/09/26

P22 WCDMA II_RMC12.2K_Right Cheek_Ch9400

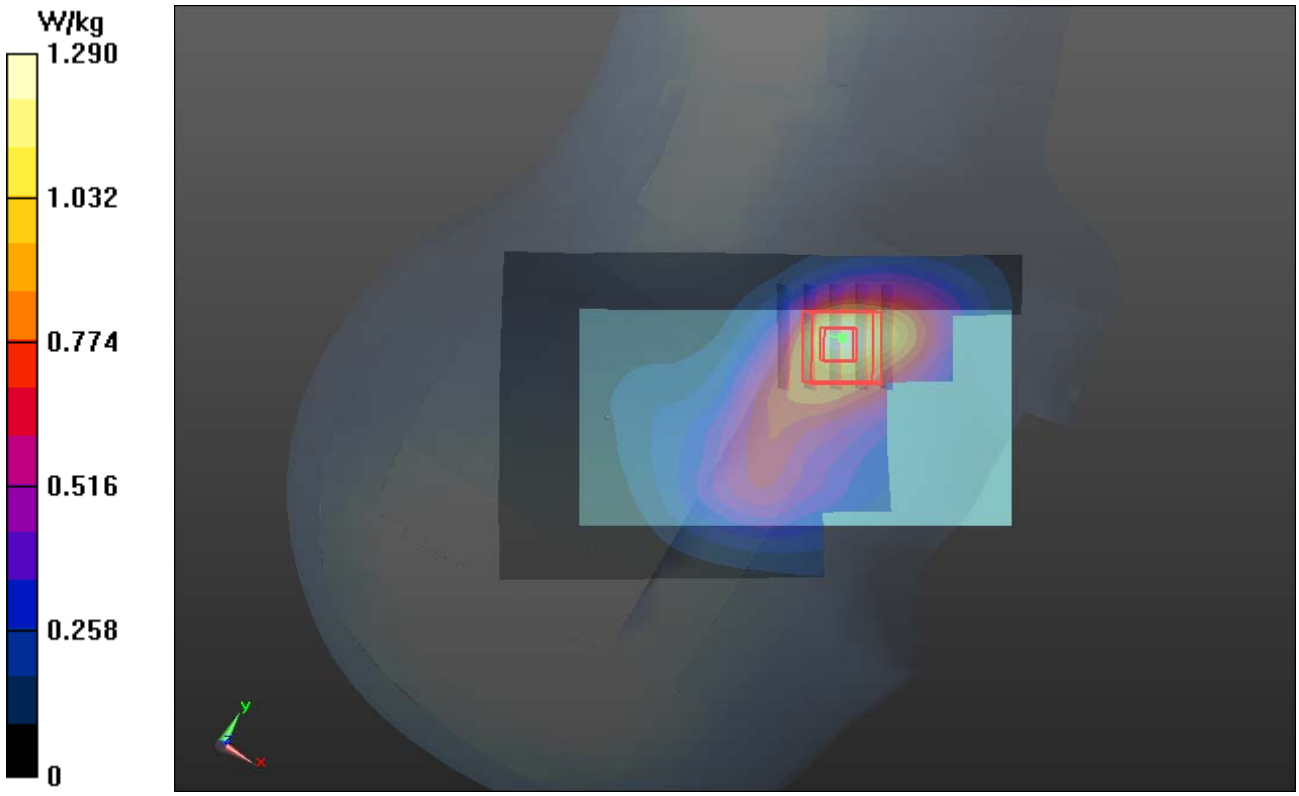
DUT: 120910C04

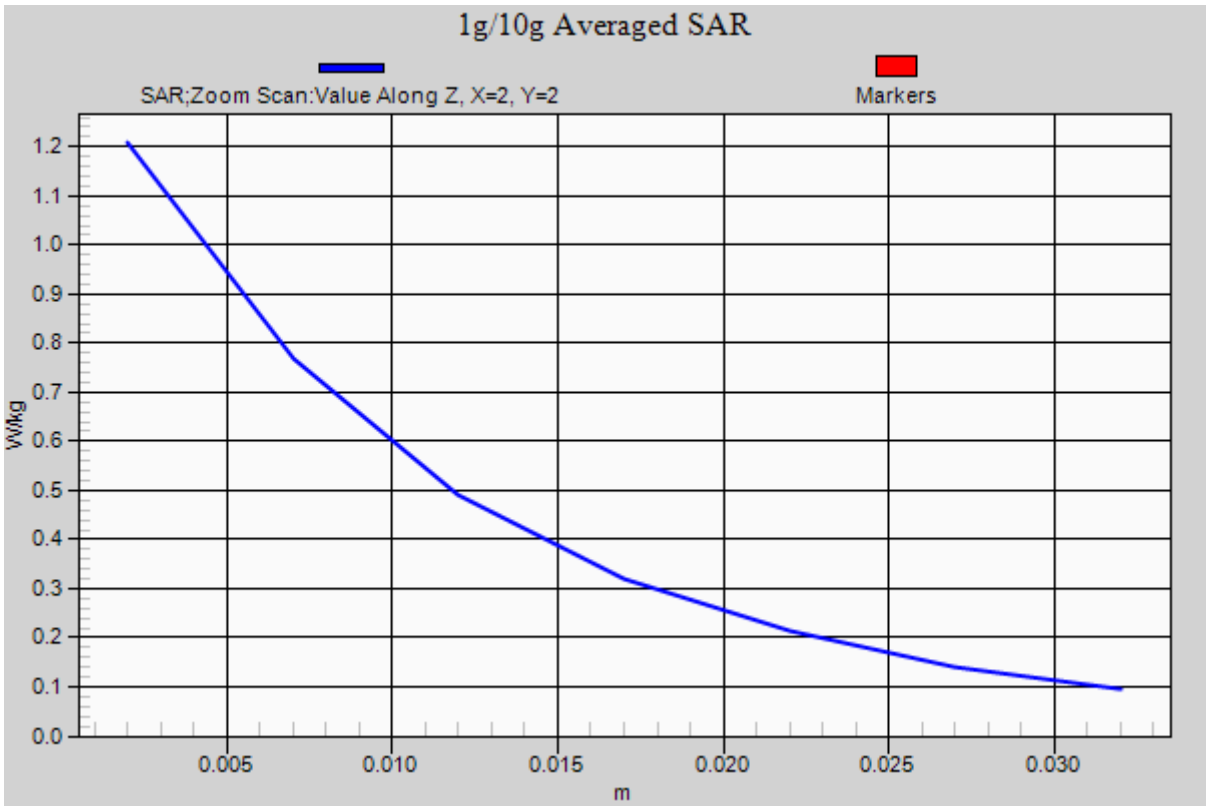
Communication System: WCDMA; Frequency: 1880 MHz;Duty Cycle: 1:1
Medium: H1900_0926 Medium parameters used: f = 1880 MHz; σ = 1.416 mho/m; ε_r = 39.834; ρ = 1000 kg/m^3
Ambient Temperature：21.6 ℃； Liquid Temperature：20.4 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3864; ConvF(8.13, 8.13, 8.13); Calibrated: 2012/07/19;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1277; Calibrated: 2012/07/19
- Phantom: SAM Phantom_Front; Type: SAM V4.0; Serial: TP 1485
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch9400/Area Scan (51x91x1): Interpolated grid: dx=2.000 mm, dy=2.000 mm
Maximum value of SAR (interpolated) = 1.29 W/kg

Ch9400/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 8.694 V/m; Power Drift = 0.15 dB
Peak SAR (extrapolated) = 1.461 mW/g
SAR(1 g) = 0.934 mW/g; SAR(10 g) = 0.569 mW/g
Maximum value of SAR (measured) = 1.21 W/kg




1g/10g Averaged SAR
SAR;Zoom Scan:Value Along Z, X=2, Y=2
Markers
W/kg
1.2
1.1
1.0
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0.0
0.005
0.010
0.015
0.020
0.025
0.030
m

P143 802.11b_Right Cheek_Ch11

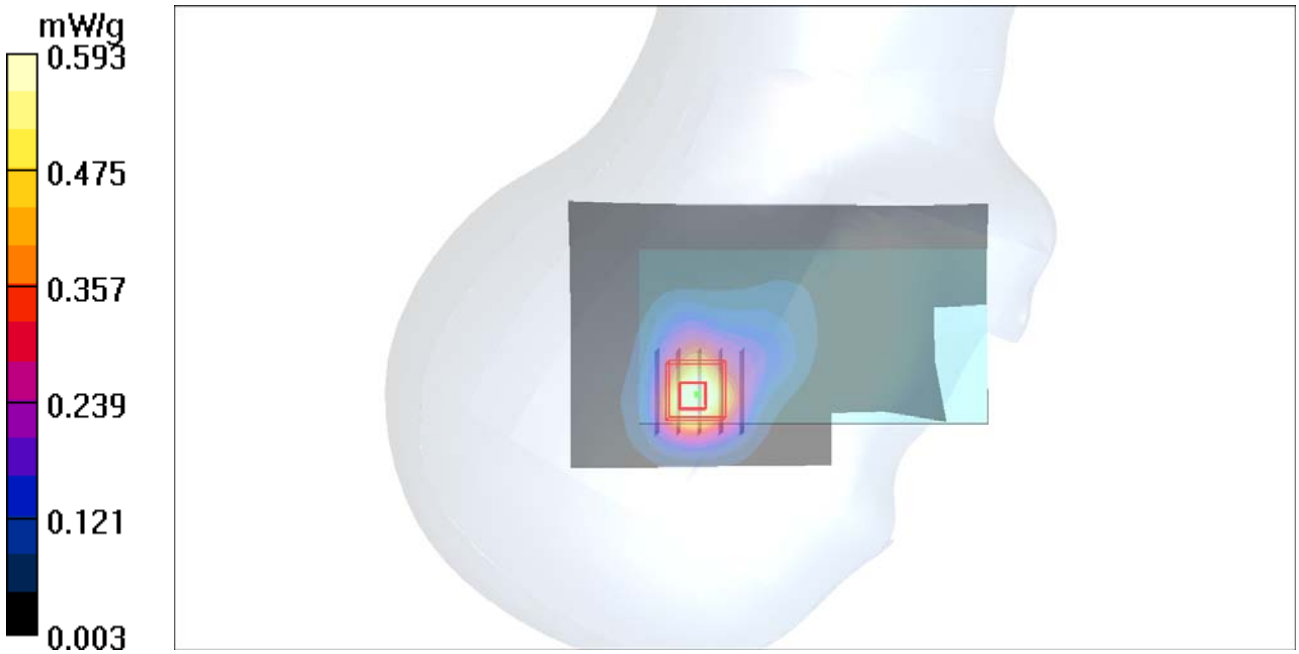
DUT: 120910C04

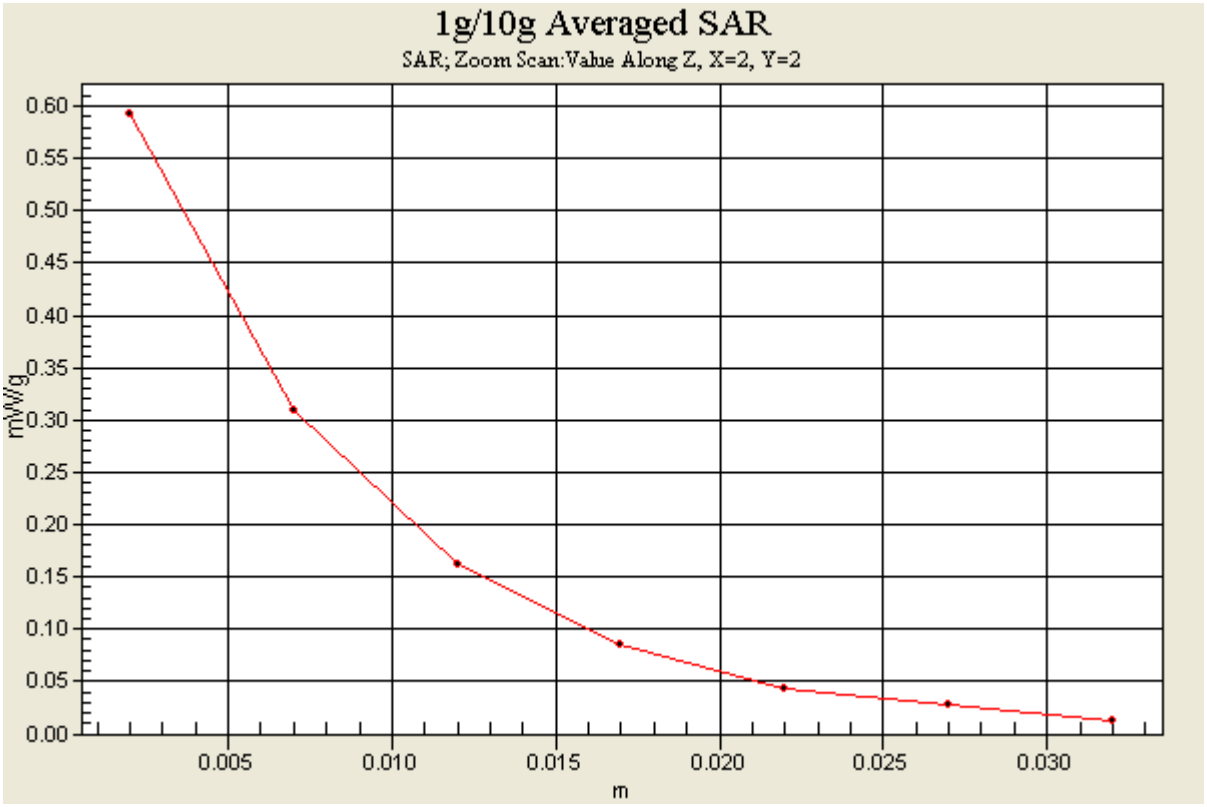
Communication System: WLAN_2.4G; Frequency: 2462 MHz;Duty Cycle: 1:1
Medium: H2450_0927 Medium parameters used: f = 2462 MHz; σ = 1.8 mho/m; ε_r = 40.2; ρ = 1000 kg/m^3
Ambient Temperature：21.7 ℃; Liquid Temperature：20.3 ℃

DASY4 Configuration:
- Probe: EX3DV4 - SN3590; ConvF(7.88, 7.88, 7.88); Calibrated: 2012/02/23
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2012/04/27
- Phantom: SAM Phantom_Front; Type: SAM V4.0; Serial: TP 1654
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Ch11/Area Scan (51x91x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.698 mW/g

Ch11/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 9.02 V/m; Power Drift = 0.017 dB
Peak SAR (extrapolated) = 0.859 W/kg
SAR(1 g) = 0.424 mW/g; SAR(10 g) = 0.214 mW/g
Maximum value of SAR (measured) = 0.593 mW/g




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

P102 802.11b_Right Tilted_Ch11

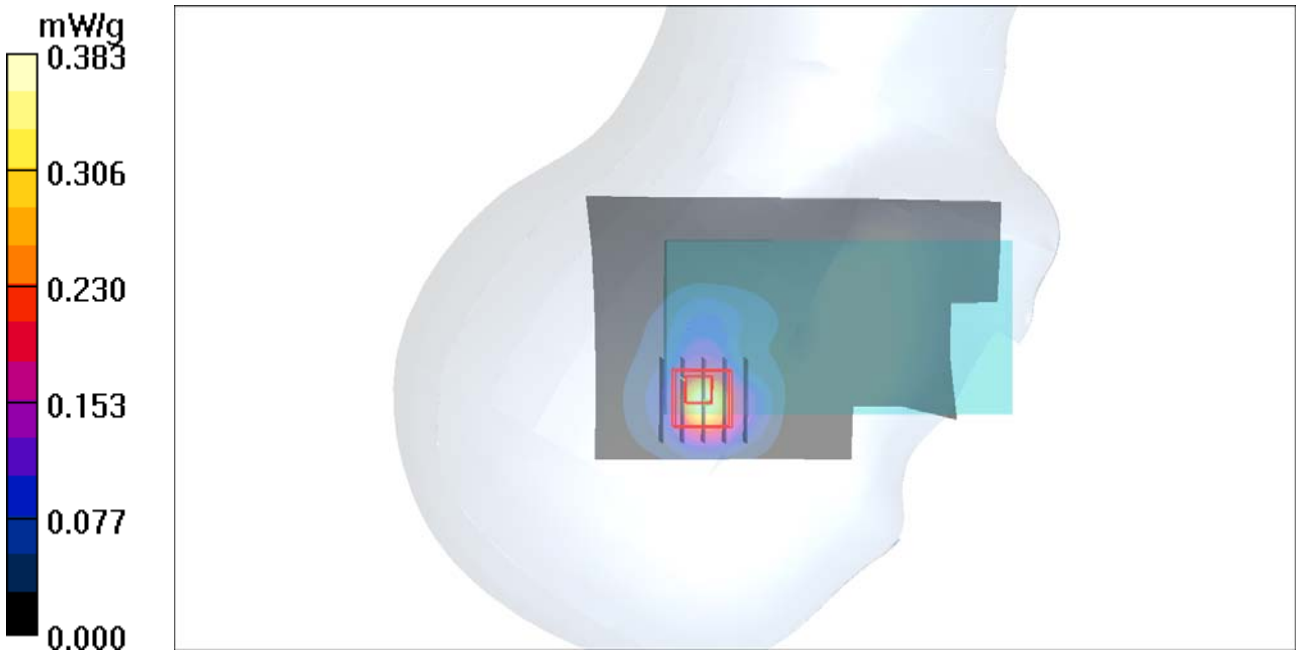
DUT: 120910C04

Communication System: WLAN_2.4G; Frequency: 2462 MHz;Duty Cycle: 1:1
Medium: H2450_0927 Medium parameters used: f = 2462 MHz; σ = 1.8 mho/m; ε_r = 40.2; ρ = 1000 kg/m^3
Ambient Temperature：21.7 ℃; Liquid Temperature：20.3 ℃

DASY4 Configuration:
- Probe: EX3DV4 - SN3590; ConvF(7.88, 7.88, 7.88); Calibrated: 2012/02/23
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2012/04/27
- Phantom: SAM Phantom_Front; Type: SAM V4.0; Serial: TP 1654
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Ch11/Area Scan (51x91x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.383 mW/g

Ch11/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 5.79 V/m; Power Drift = 0.121 dB
Peak SAR (extrapolated) = 0.658 W/kg
SAR(1 g) = 0.270 mW/g; SAR(10 g) = 0.124 mW/g
Maximum value of SAR (measured) = 0.391 mW/g



P103 802.11b_Left Cheek_Ch11

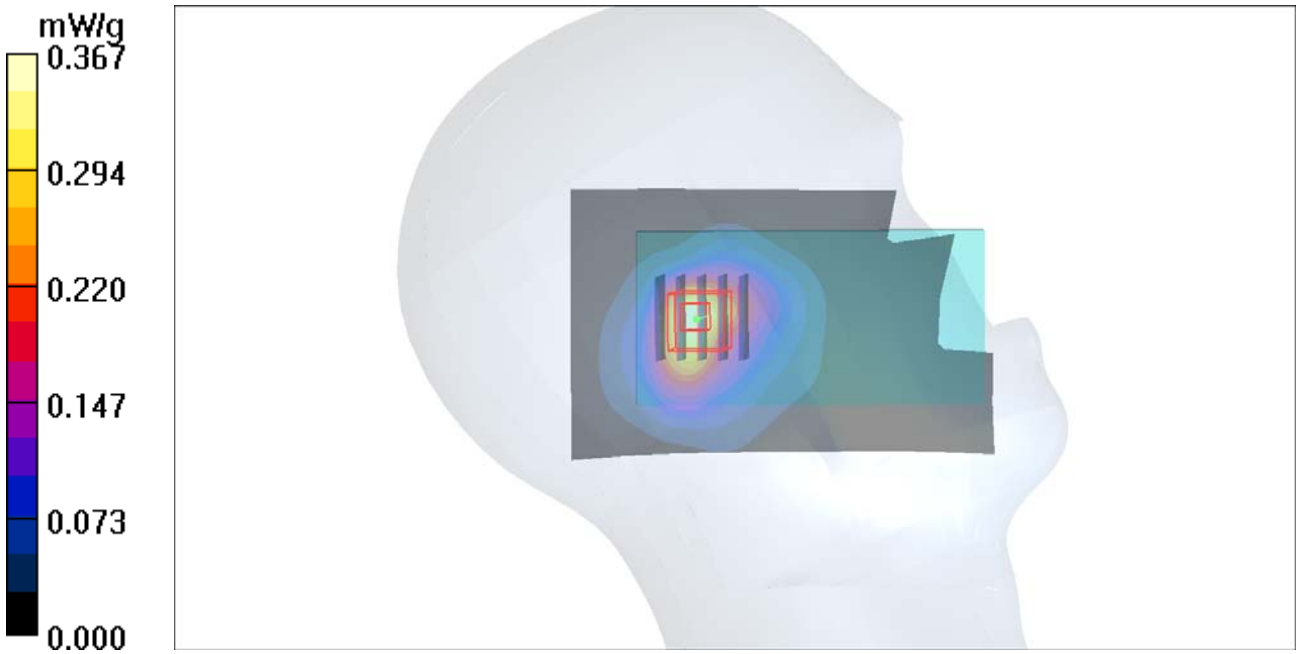
DUT: 120910C04

Communication System: WLAN_2.4G; Frequency: 2462 MHz;Duty Cycle: 1:1
Medium: H2450_0927 Medium parameters used: f = 2462 MHz; σ = 1.8 mho/m; ε_r = 40.2; ρ = 1000 kg/m^3
Ambient Temperature：21.7 ℃; Liquid Temperature：20.3 ℃

DASY4 Configuration:
- Probe: EX3DV4 - SN3590; ConvF(7.88, 7.88, 7.88); Calibrated: 2012/02/23
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2012/04/27
- Phantom: SAM Phantom_Front; Type: SAM V4.0; Serial: TP 1654
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Ch11/Area Scan (51x91x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.367 mW/g

Ch11/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 10.1 V/m; Power Drift = 0.185 dB
Peak SAR (extrapolated) = 0.429 W/kg
SAR(1 g) = 0.232 mW/g; SAR(10 g) = 0.126 mW/g
Maximum value of SAR (measured) = 0.321 mW/g



P104 802.11b_Left Tilted_Ch11

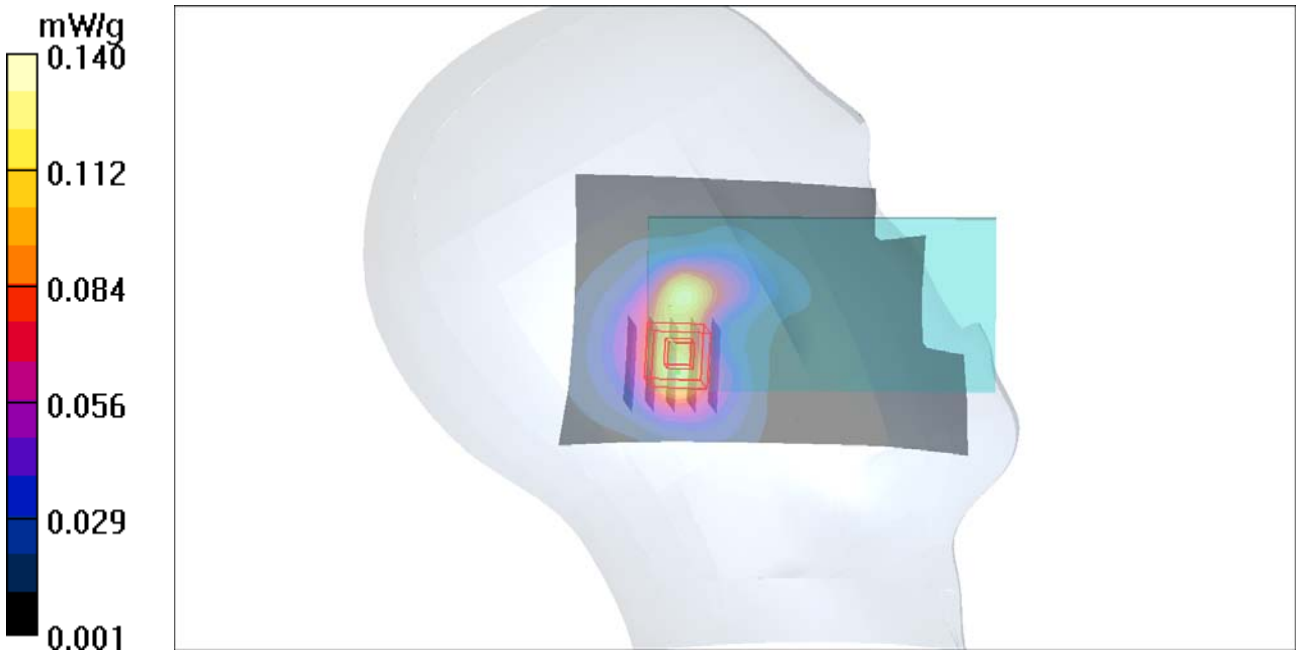
DUT: 120910C04

Communication System: WLAN_2.4G; Frequency: 2462 MHz;Duty Cycle: 1:1
Medium: H2450_0927 Medium parameters used: f = 2462 MHz; σ = 1.8 mho/m; ε_r = 40.2; ρ = 1000 kg/m^3
Ambient Temperature：21.7 ℃; Liquid Temperature：20.3 ℃

DASY4 Configuration:
- Probe: EX3DV4 - SN3590; ConvF(7.88, 7.88, 7.88); Calibrated: 2012/02/23
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2012/04/27
- Phantom: SAM Phantom_Front; Type: SAM V4.0; Serial: TP 1654
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Ch11/Area Scan (51x91x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.128 mW/g

Ch11/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 6.38 V/m; Power Drift = 0.196 dB
Peak SAR (extrapolated) = 0.186 W/kg
SAR(1 g) = 0.090 mW/g; SAR(10 g) = 0.045 mW/g
Maximum value of SAR (measured) = 0.140 mW/g



P144 802.11a_Right Cheek_Ch48

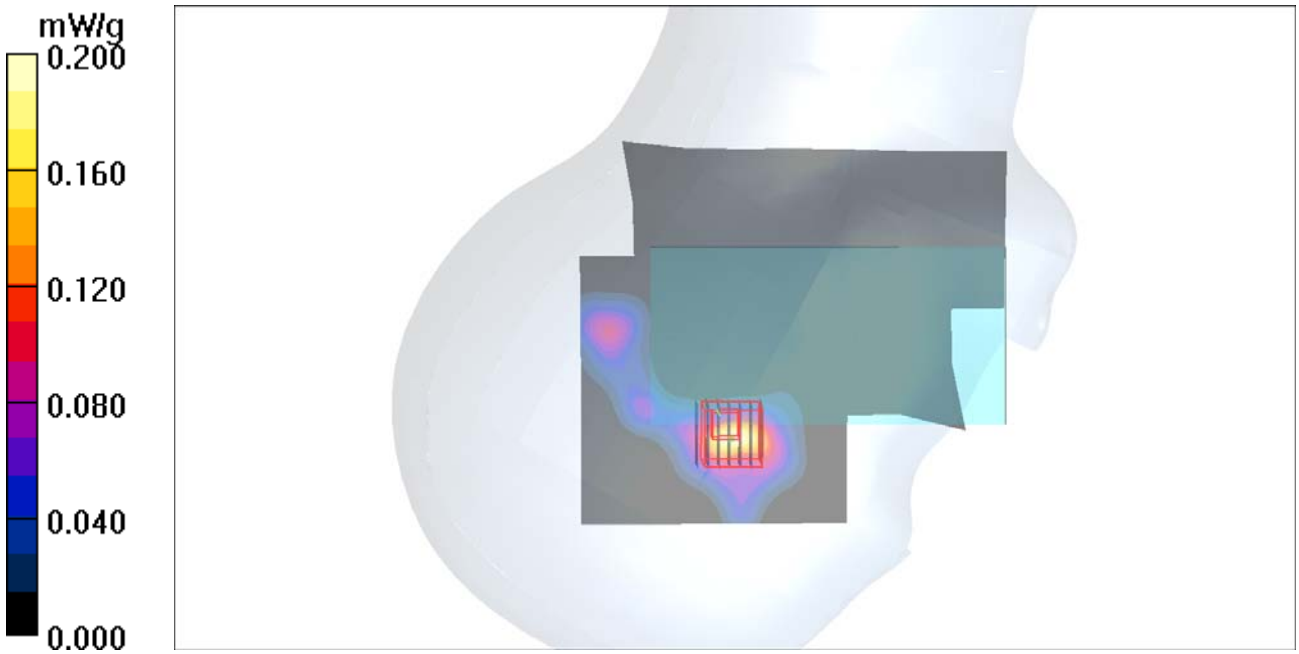
DUT: 120910C04

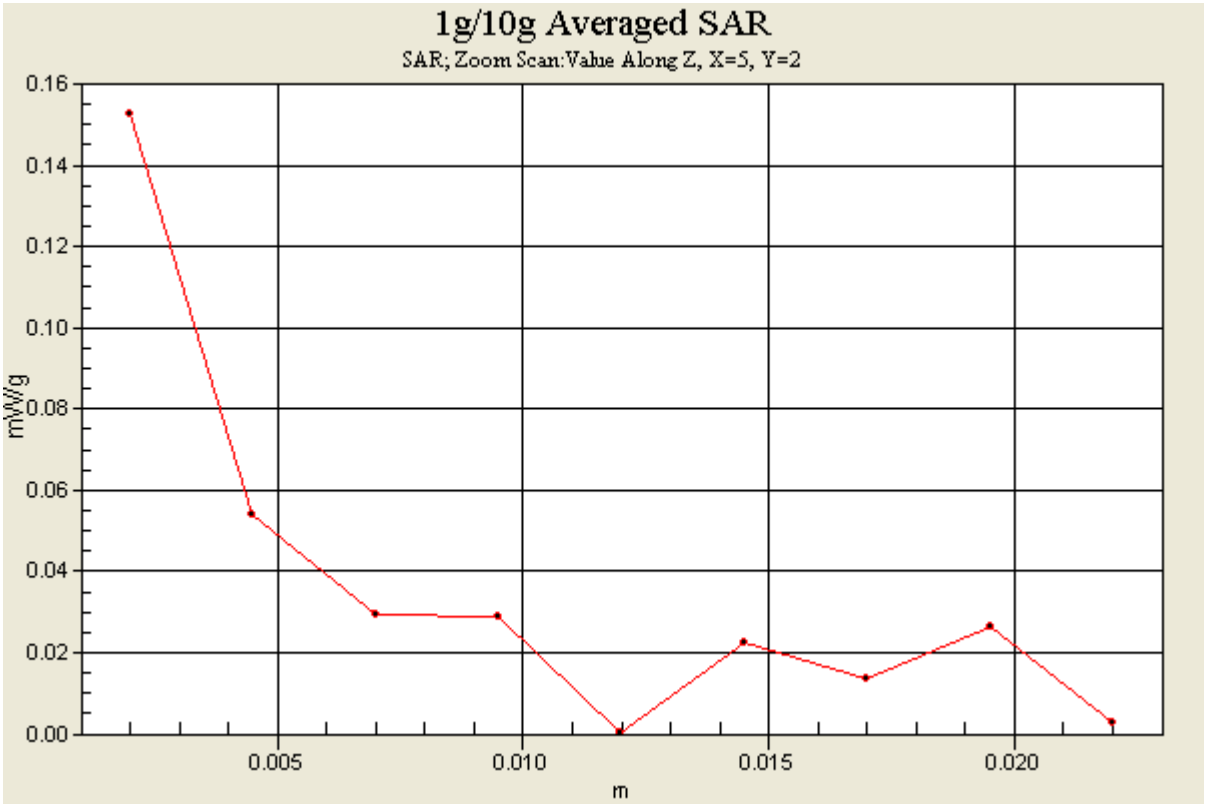
Communication System: WLAN_5G; Frequency: 5240 MHz;Duty Cycle: 1:1
Medium: H5G_0927 Medium parameters used: f = 5240 MHz; σ = 4.68 mho/m; ε_r = 36.8; ρ = 1000 kg/m^3
Ambient Temperature：21.8 ℃； Liquid Temperature：20.5 ℃

DASY4 Configuration:
- Probe: EX3DV4 - SN3590; ConvF(5.64, 5.64, 5.64); Calibrated: 2012/02/23
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2012/04/27
- Phantom: SAM Phantom_Left; Type: SAM V4.0; Serial: TP 1652
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Ch48/Area Scan (141x181x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.200 mW/g

Ch48/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 0.845 V/m; Power Drift = 0.14 dB
Peak SAR (extrapolated) = 0.344 W/kg
SAR(1 g) = 0.069 mW/g; SAR(10 g) = 0.022 mW/g
Maximum value of SAR (measured) = 0.153 mW/g




1g/10g Averaged SAR
SAR; Zoom Scan:Value Along Z, X=5, Y=2
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
m

P106 802.11a_Right Tilted_Ch48

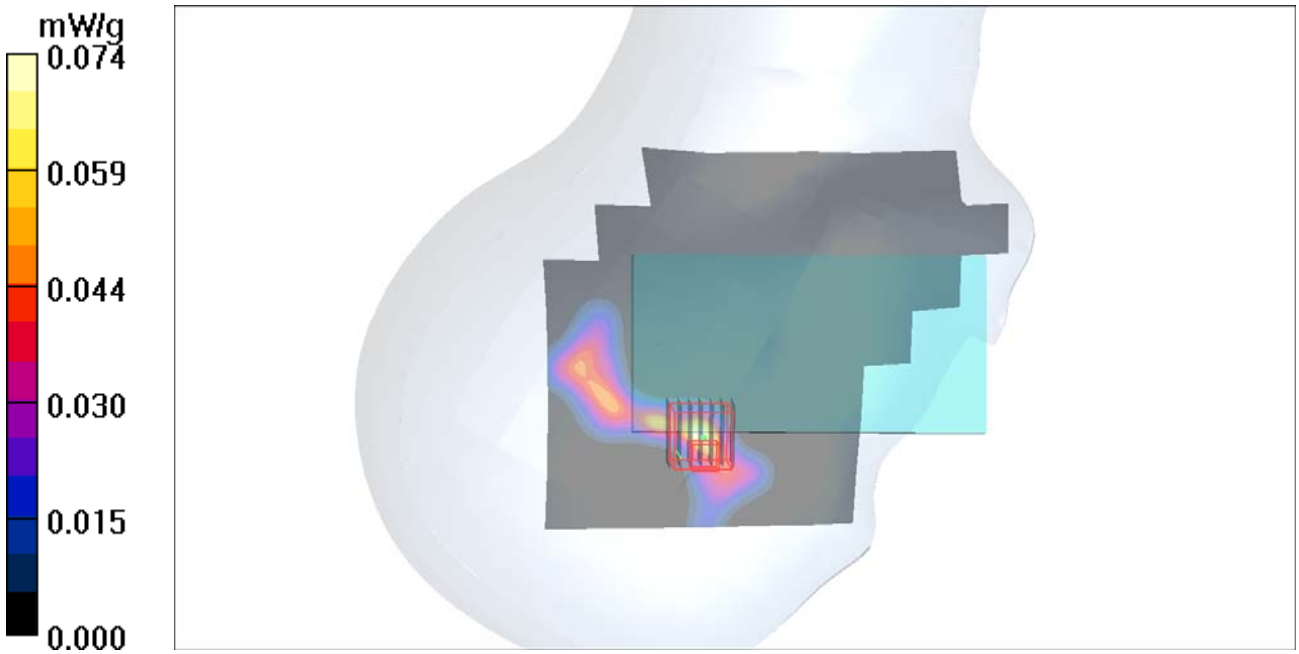
DUT: 120910C04

Communication System: WLAN_5G; Frequency: 5240 MHz;Duty Cycle: 1:1
Medium: H5G_0927 Medium parameters used: f = 5240 MHz; σ = 4.68 mho/m; ε_r = 36.8; ρ = 1000 kg/m^3
Ambient Temperature：21.8 ℃; Liquid Temperature：20.5 ℃

DASY4 Configuration:
- Probe: EX3DV4 - SN3590; ConvF(5.64, 5.64, 5.64); Calibrated: 2012/02/23
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2012/04/27
- Phantom: SAM Phantom_Left; Type: SAM V4.0; Serial: TP 1652
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Ch48/Area Scan (141x201x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.074 mW/g

Ch48/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 1.11 V/m; Power Drift = -0.17 dB
Peak SAR (extrapolated) = 0.261 W/kg
SAR(1 g) = 0.023 mW/g; SAR(10 g) = 0.00409 mW/g
Maximum value of SAR (measured) = 0.044 mW/g



P107 802.11a_Left Cheek_Ch48

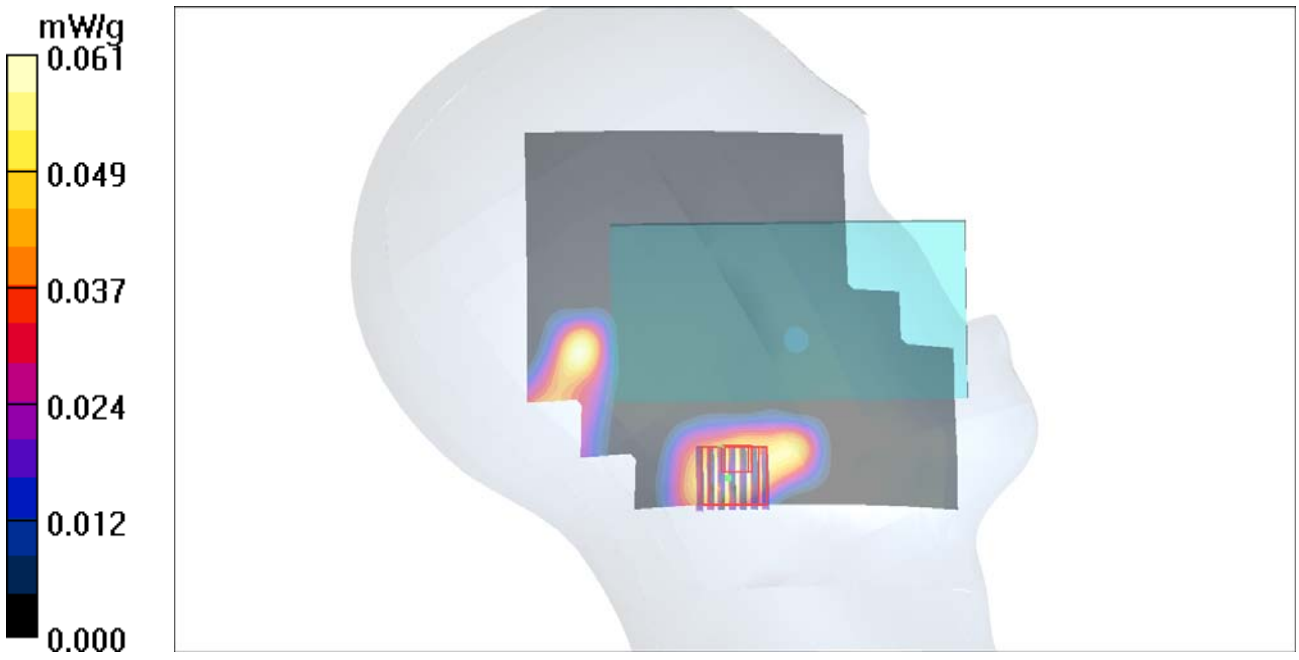
DUT: 120910C04

Communication System: WLAN_5G; Frequency: 5240 MHz;Duty Cycle: 1:1
Medium: H5G_0927 Medium parameters used: f = 5240 MHz; σ = 4.68 mho/m; ε_r = 36.8; ρ = 1000 kg/m^3
Ambient Temperature：21.8 ℃; Liquid Temperature：20.5 ℃

DASY4 Configuration:
- Probe: EX3DV4 - SN3590; ConvF(5.64, 5.64, 5.64); Calibrated: 2012/02/23
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2012/04/27
- Phantom: SAM Phantom_Left; Type: SAM V4.0; Serial: TP 1652
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Ch48/Area Scan (141x201x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.061 mW/g

Ch48/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 1.69 V/m; Power Drift = 0.09 dB
Peak SAR (extrapolated) = 0.164 W/kg
SAR(1 g) = 0.031 mW/g; SAR(10 g) = 0.015 mW/g
Maximum value of SAR (measured) = 0.054 mW/g



P145 802.11a_Right Cheek_Ch64

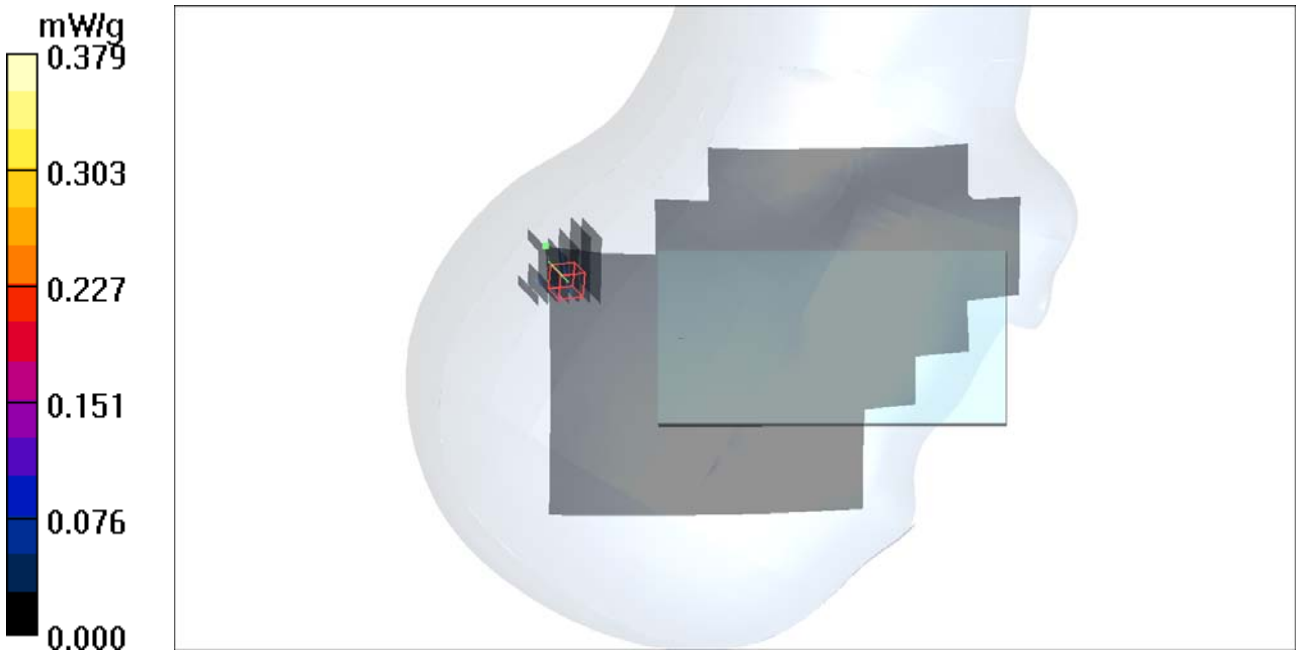
DUT: 120910C04

Communication System: WLAN_5G; Frequency: 5320 MHz;Duty Cycle: 1:1
Medium: H5G_0927 Medium parameters used: f = 5320 MHz; σ = 4.69 mho/m; ε_r = 36.6; ρ = 1000 kg/m^3
Ambient Temperature：21.8 ℃; Liquid Temperature：20.5 ℃

DASY4 Configuration:
- Probe: EX3DV4 - SN3590; ConvF(5.32, 5.32, 5.32); Calibrated: 2012/02/23
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2012/04/27
- Phantom: SAM Phantom_Left; Type: SAM V4.0; Serial: TP 1652
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Ch64/Area Scan (141x201x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.010 mW/g

Ch64/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 0.000 V/m; Power Drift = 0.02 dB
Peak SAR (extrapolated) = 0.379 W/kg
SAR(1 g) = 0.00181 mW/g; SAR(10 g) = n.a.
Maximum value of SAR (measured) = 0.379 mW/g



P111 802.11a_Left Cheek_Ch64

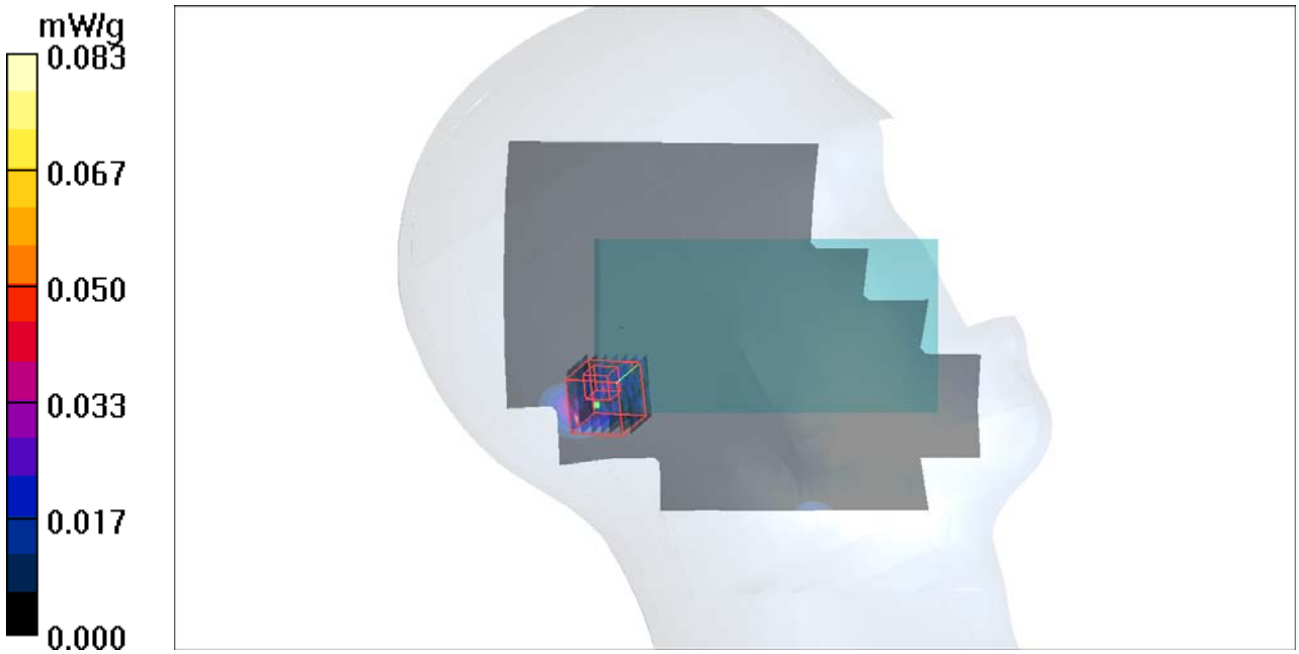
DUT: 120910C04

Communication System: WLAN_5G; Frequency: 5320 MHz;Duty Cycle: 1:1
Medium: H5G_0927 Medium parameters used: f = 5320 MHz; σ = 4.69 mho/m; ε_r = 36.6; ρ = 1000 kg/m^3
Ambient Temperature：21.8 ℃; Liquid Temperature：20.5 ℃

DASY4 Configuration:
- Probe: EX3DV4 - SN3590; ConvF(5.32, 5.32, 5.32); Calibrated: 2012/02/23
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2012/04/27
- Phantom: SAM Phantom_Left; Type: SAM V4.0; Serial: TP 1652
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Ch64/Area Scan (141x201x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.055 mW/g

Ch64/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 1.41 V/m; Power Drift = 0.131 dB
Peak SAR (extrapolated) = 0.055 W/kg
SAR(1 g) = 0.00618 mW/g; SAR(10 g) = 0.00166 mW/g
Maximum value of SAR (measured) = 0.083 mW/g



P112 802.11a_Left Tilted_Ch64

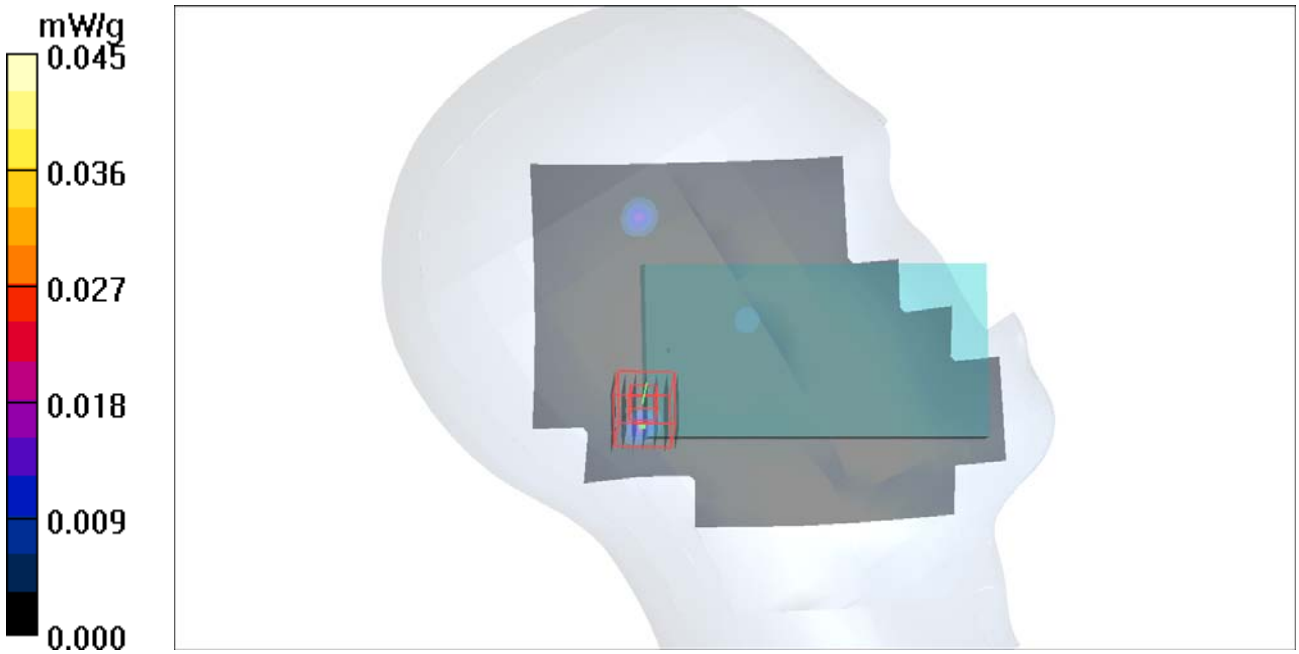
DUT: 120910C04

Communication System: WLAN_5G; Frequency: 5320 MHz;Duty Cycle: 1:1
Medium: H5G_0927 Medium parameters used: f = 5320 MHz; σ = 4.69 mho/m; ε_r = 36.6; ρ = 1000 kg/m^3
Ambient Temperature：21.8 ℃; Liquid Temperature：20.5 ℃

DASY4 Configuration:
- Probe: EX3DV4 - SN3590; ConvF(5.32, 5.32, 5.32); Calibrated: 2012/02/23
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2012/04/27
- Phantom: SAM Phantom_Left; Type: SAM V4.0; Serial: TP 1652
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Ch64/Area Scan (141x201x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.015 mW/g

Ch64/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 0.615 V/m; Power Drift = -0.09 dB
Peak SAR (extrapolated) = 0.045 W/kg
SAR(1 g) = 0.000213 mW/g; SAR(10 g) = 2.17e-005 mW/g
Maximum value of SAR (measured) = 0.045 mW/g



P113 802.11a_Right Cheek_Ch116

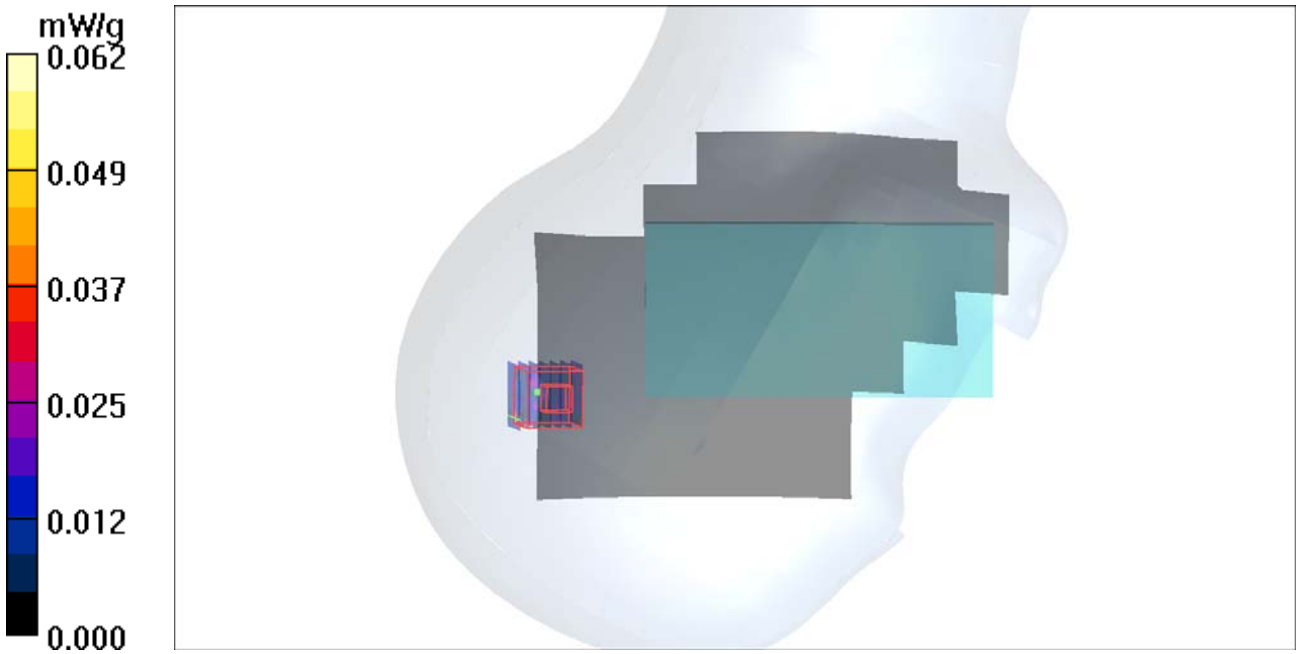
DUT: 120910C04

Communication System: WLAN_5G; Frequency: 5580 MHz;Duty Cycle: 1:1
Medium: H5G_0927 Medium parameters used: f = 5580 MHz; σ = 5.01 mho/m; ε_r = 36.2; ρ = 1000 kg/m^3
Ambient Temperature：21.8 ℃； Liquid Temperature：20.5 ℃

DASY4 Configuration:
- Probe: EX3DV4 - SN3590; ConvF(4.89, 4.89, 4.89); Calibrated: 2012/02/23
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2012/04/27
- Phantom: SAM Phantom_Left; Type: SAM V4.0; Serial: TP 1652
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Ch116/Area Scan (141x201x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.012 mW/g

Ch116/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 0.514 V/m; Power Drift = 0.198 dB
Peak SAR (extrapolated) = 0.113 W/kg
SAR(1 g) = 0.00917 mW/g; SAR(10 g) = 0.00352 mW/g
Maximum value of SAR (measured) = 0.062 mW/g



P114 802.11a_Right Tilted_Ch116

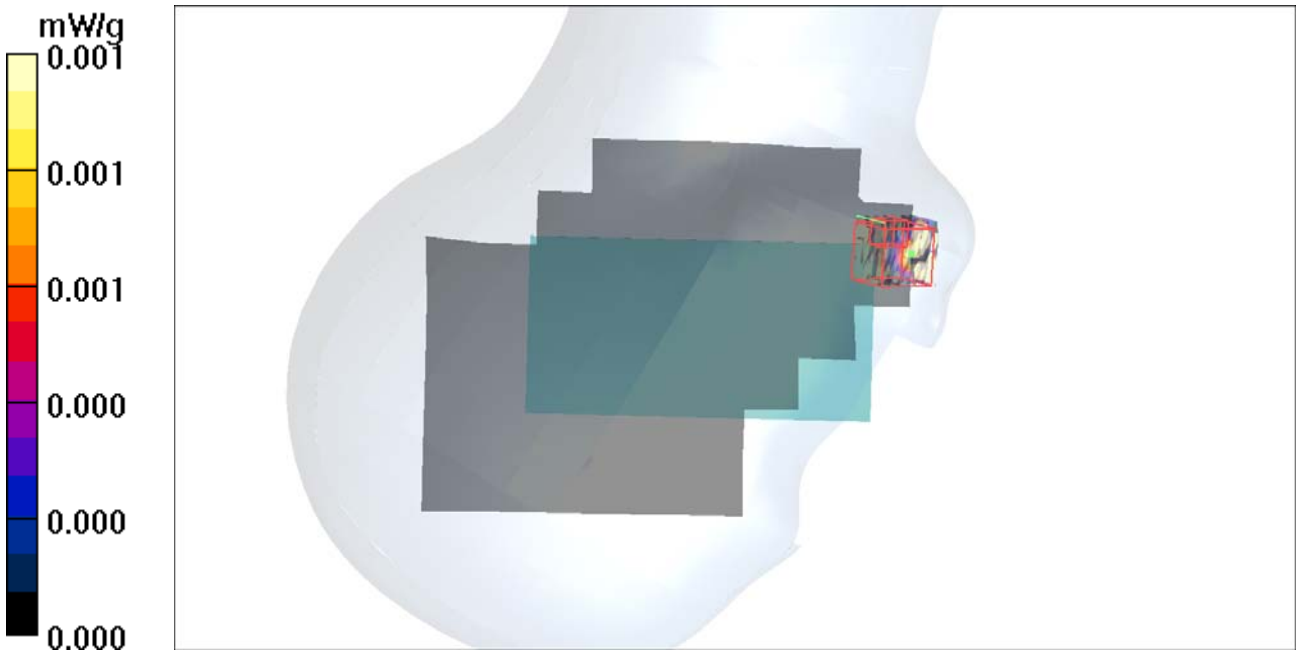
DUT: 120910C04

Communication System: WLAN_5G; Frequency: 5580 MHz;Duty Cycle: 1:1
Medium: H5G_0927 Medium parameters used: f = 5580 MHz; σ = 5.01 mho/m; ε_r = 36.2; ρ = 1000 kg/m^3
Ambient Temperature：21.8 ℃； Liquid Temperature：20.5 ℃

DASY4 Configuration:
- Probe: EX3DV4 - SN3590; ConvF(4.89, 4.89, 4.89); Calibrated: 2012/02/23
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2012/04/27
- Phantom: SAM Phantom_Left; Type: SAM V4.0; Serial: TP 1652
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Ch116/Area Scan (141x201x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.001 mW/g

Ch116/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 0.000 V/m; Power Drift = 0.000 dB
Peak SAR (extrapolated) = 0.028 W/kg
SAR(1 g) = 0.000125 mW/g; SAR(10 g) = 1.97e-005 mW/g
Maximum value of SAR (measured) = 0.028 mW/g



P115 802.11a_Left Cheek_Ch116

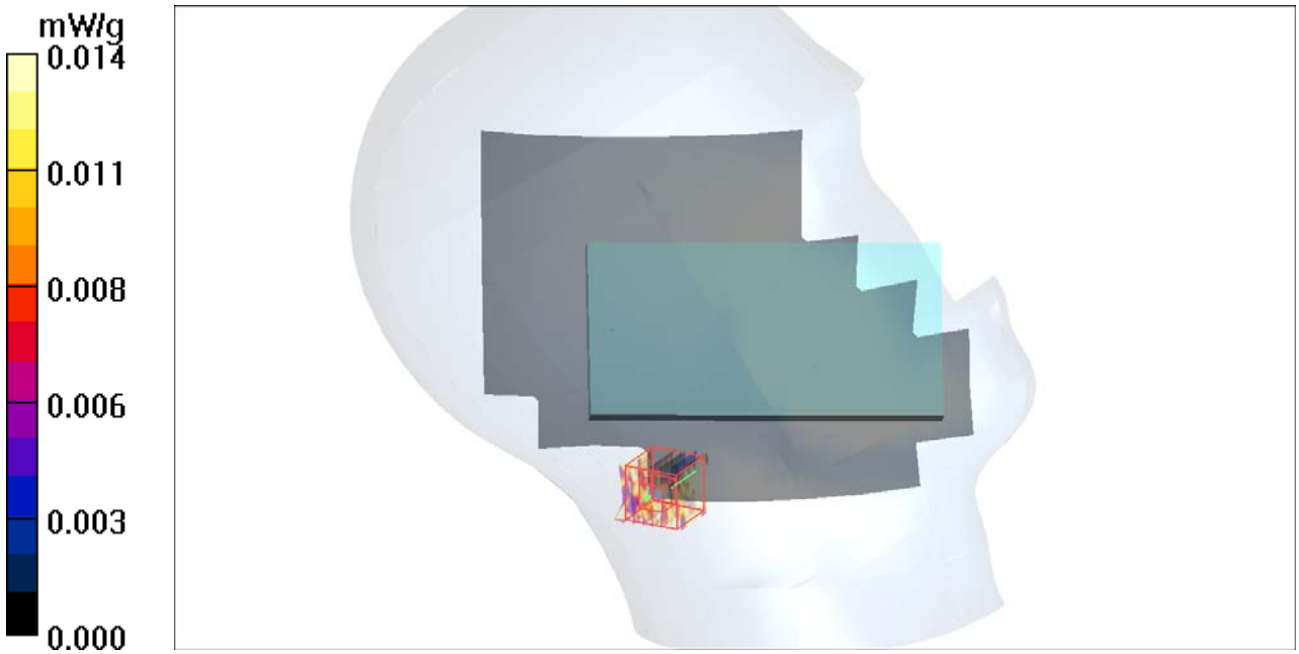
DUT: 120910C04

Communication System: WLAN_5G; Frequency: 5580 MHz;Duty Cycle: 1:1
Medium: H5G_0927 Medium parameters used: f = 5580 MHz; σ = 5.01 mho/m; ε_r = 36.2; ρ = 1000 kg/m^3
Ambient Temperature：21.8 ℃; Liquid Temperature：20.5 ℃

DASY4 Configuration:
- Probe: EX3DV4 - SN3590; ConvF(4.89, 4.89, 4.89); Calibrated: 2012/02/23
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2012/04/27
- Phantom: SAM Phantom_Left; Type: SAM V4.0; Serial: TP 1652
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Ch116/Area Scan (141x201x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.014 mW/g

Ch116/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 0.941 V/m; Power Drift = 0.04 dB
Peak SAR (extrapolated) = 0.075 W/kg
SAR(1 g) = 0.0052 mW/g; SAR(10 g) = 0.00183 mW/g
Maximum value of SAR (measured) = 0.075 mW/g



P117 802.11a_Right Cheek_Ch149

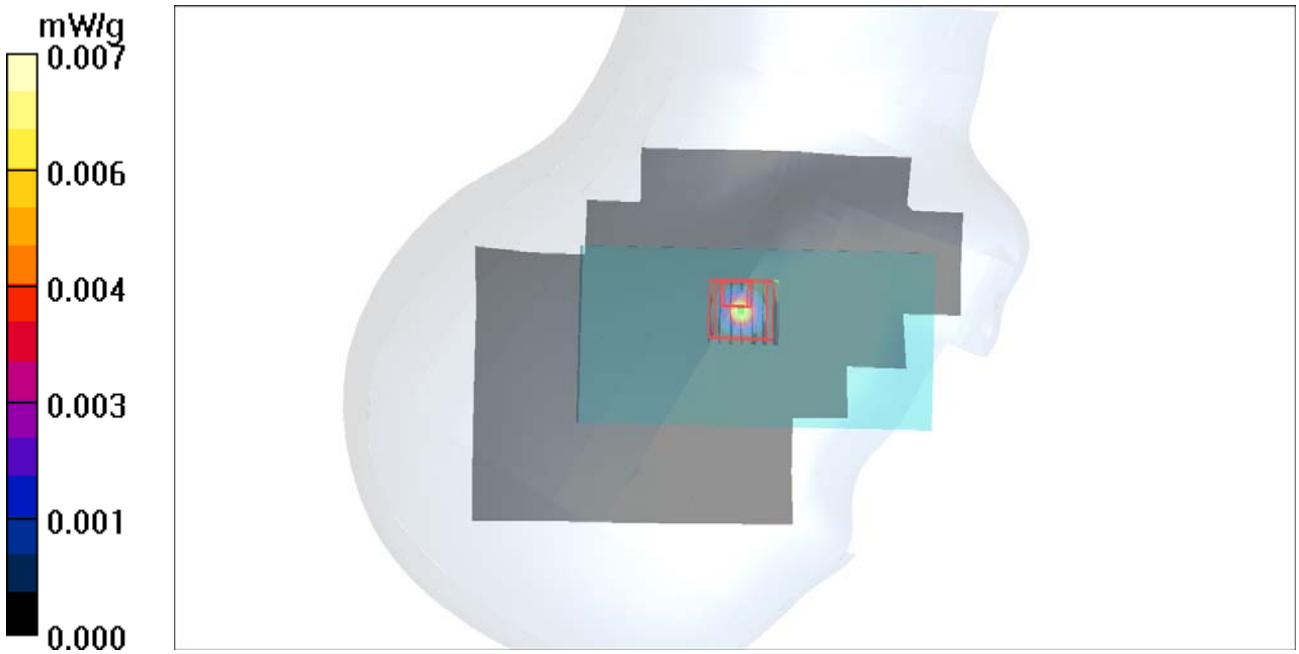
DUT: 120910C04

Communication System: WLAN_5G; Frequency: 5745 MHz;Duty Cycle: 1:1
Medium: H5G_0927 Medium parameters used: f = 5745 MHz; σ = 5.14 mho/m; ε_r = 36.5; ρ = 1000 kg/m^3
Ambient Temperature：21.8 ℃; Liquid Temperature：20.5 ℃

DASY4 Configuration:
- Probe: EX3DV4 - SN3590; ConvF(4.79, 4.79, 4.79); Calibrated: 2012/02/23
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2012/04/27
- Phantom: SAM Phantom_Left; Type: SAM V4.0; Serial: TP 1652
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Ch149/Area Scan (141x201x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.007 mW/g

Ch149/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 1.36 V/m; Power Drift = -0.14 dB
Peak SAR (extrapolated) = 0.012 W/kg
SAR(1 g) = 5.83e-005 mW/g; SAR(10 g) = 5.61e-006 mW/g
Maximum value of SAR (measured) = 0.100 mW/g



P118 802.11a_Right Tilted_Ch149

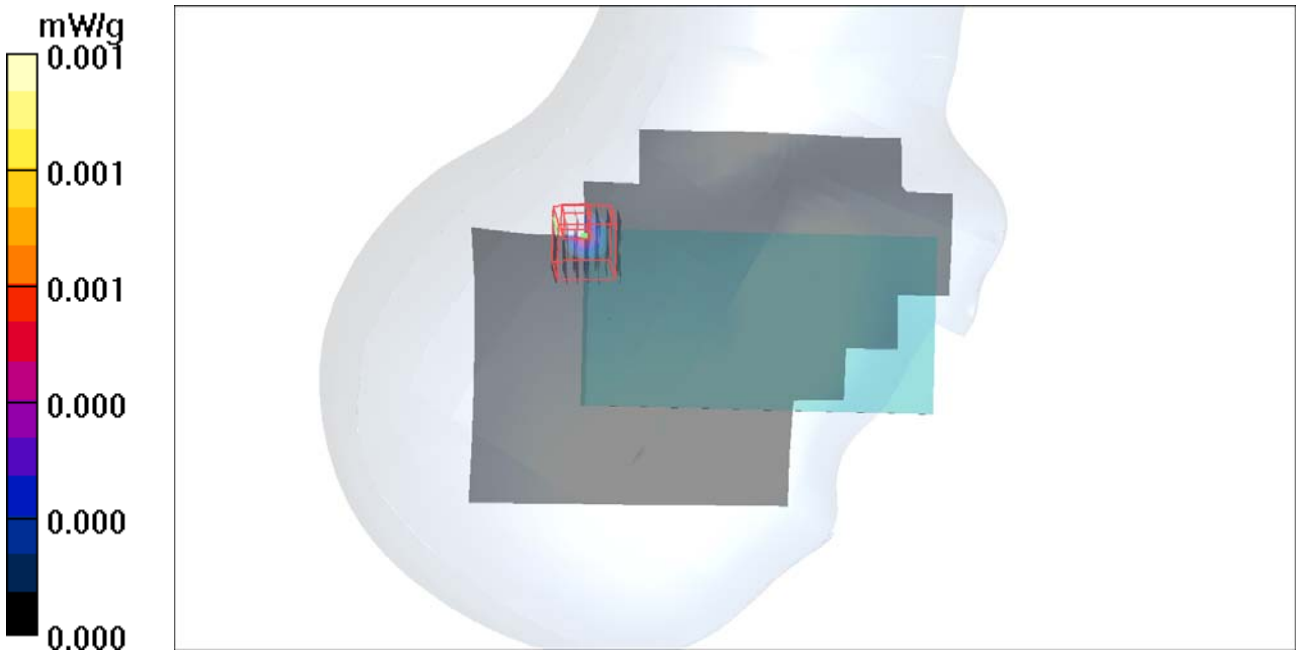
DUT: 120910C04

Communication System: WLAN_5G; Frequency: 5745 MHz;Duty Cycle: 1:1
Medium: H5G_0927 Medium parameters used: f = 5745 MHz; σ = 5.14 mho/m; ε_r = 36.5; ρ = 1000 kg/m^3
Ambient Temperature：21.8 ℃; Liquid Temperature：20.5 ℃

DASY4 Configuration:
- Probe: EX3DV4 - SN3590; ConvF(4.79, 4.79, 4.79); Calibrated: 2012/02/23
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2012/04/27
- Phantom: SAM Phantom_Left; Type: SAM V4.0; Serial: TP 1652
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Ch149/Area Scan (141x201x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.001 mW/g

Ch149/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 0.000 V/m; Power Drift = 0.000 dB
Peak SAR (extrapolated) = 0.006 W/kg
SAR(1 g) = 2.98e-005 mW/g; SAR(10 g) = 3.08e-006 mW/g
Maximum value of SAR (measured) = 0.022 mW/g



P119 802.11a_Left Cheek_Ch149

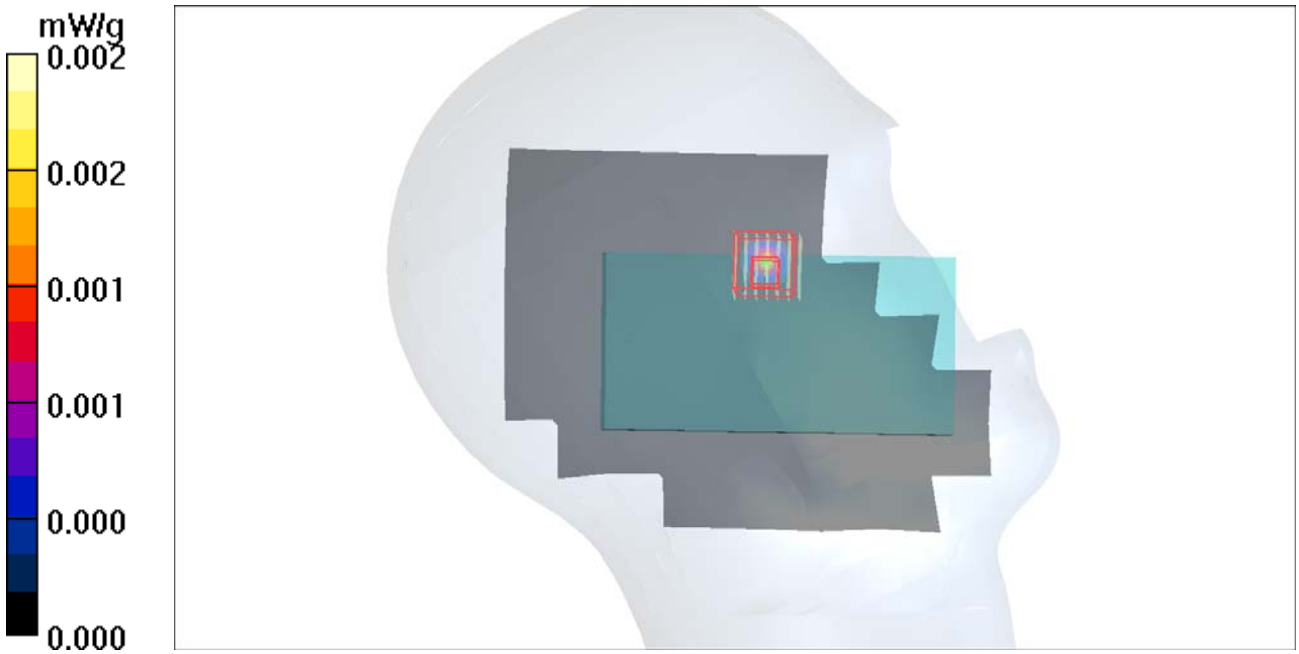
DUT: 120910C04

Communication System: WLAN_5G; Frequency: 5745 MHz;Duty Cycle: 1:1
Medium: H5G_0927 Medium parameters used: f = 5745 MHz; σ = 5.14 mho/m; ε_r = 36.5; ρ = 1000 kg/m^3
Ambient Temperature：21.8 ℃； Liquid Temperature：20.5 ℃

DASY4 Configuration:
- Probe: EX3DV4 - SN3590; ConvF(4.79, 4.79, 4.79); Calibrated: 2012/02/23
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2012/04/27
- Phantom: SAM Phantom_Left; Type: SAM V4.0; Serial: TP 1652
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Ch149/Area Scan (141x201x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.002 mW/g

Ch149/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 1.38 V/m; Power Drift = -0.11 dB
Peak SAR (extrapolated) = 0.031 W/kg
SAR(1 g) = 0.000235 mW/g; SAR(10 g) = 5.31e-005 mW/g
Maximum value of SAR (measured) = 0.031 mW/g



P120 802.11a_Left Tilted_Ch149

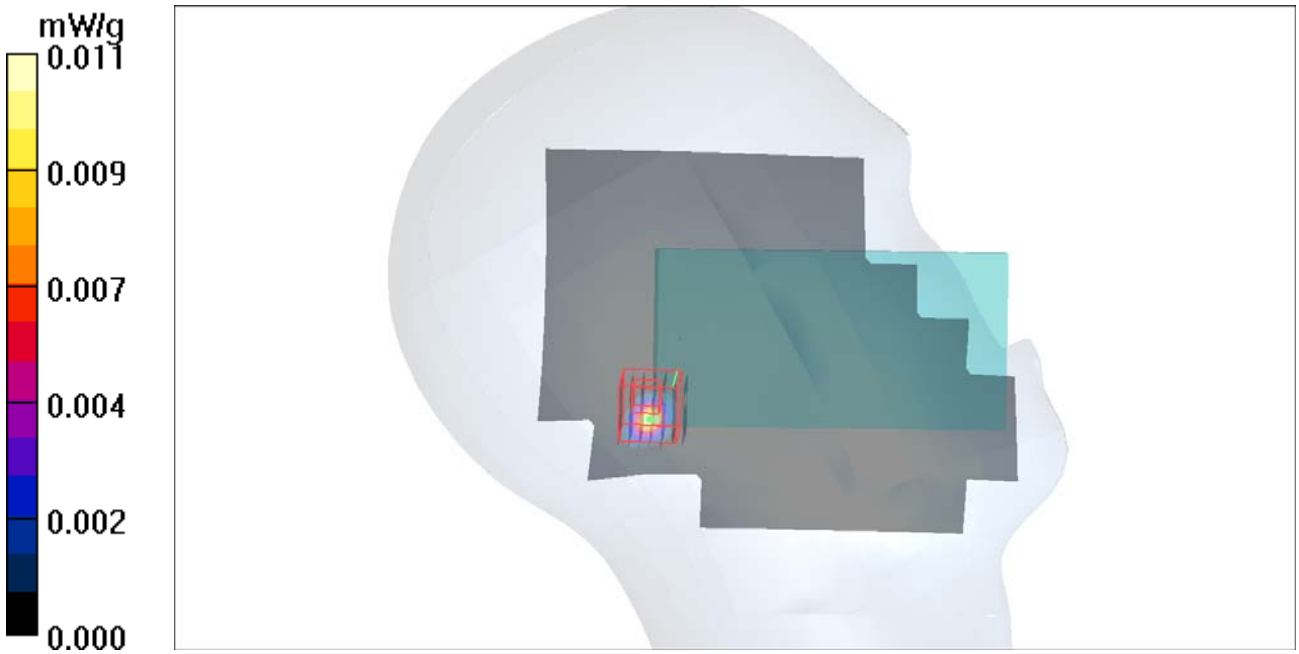
DUT: 120910C04

Communication System: WLAN_5G; Frequency: 5745 MHz;Duty Cycle: 1:1
Medium: H5G_0927 Medium parameters used: f = 5745 MHz; σ = 5.14 mho/m; ε_r = 36.5; ρ = 1000 kg/m^3
Ambient Temperature：21.8 ℃； Liquid Temperature：20.5 ℃

DASY4 Configuration:
- Probe: EX3DV4 - SN3590; ConvF(4.79, 4.79, 4.79); Calibrated: 2012/02/23
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2012/04/27
- Phantom: SAM Phantom_Left; Type: SAM V4.0; Serial: TP 1652
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Ch149/Area Scan (141x201x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.011 mW/g

Ch149/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 0.000 V/m; Power Drift = 0.000 dB
Peak SAR (extrapolated) = 0.085 W/kg
SAR(1 g) = 0.00414 mW/g; SAR(10 g) = 0.00044 mW/g
Maximum value of SAR (measured) = 0.048 mW/g



P21 GSM850_GPRS10_ Front Face_1cm_Ch128

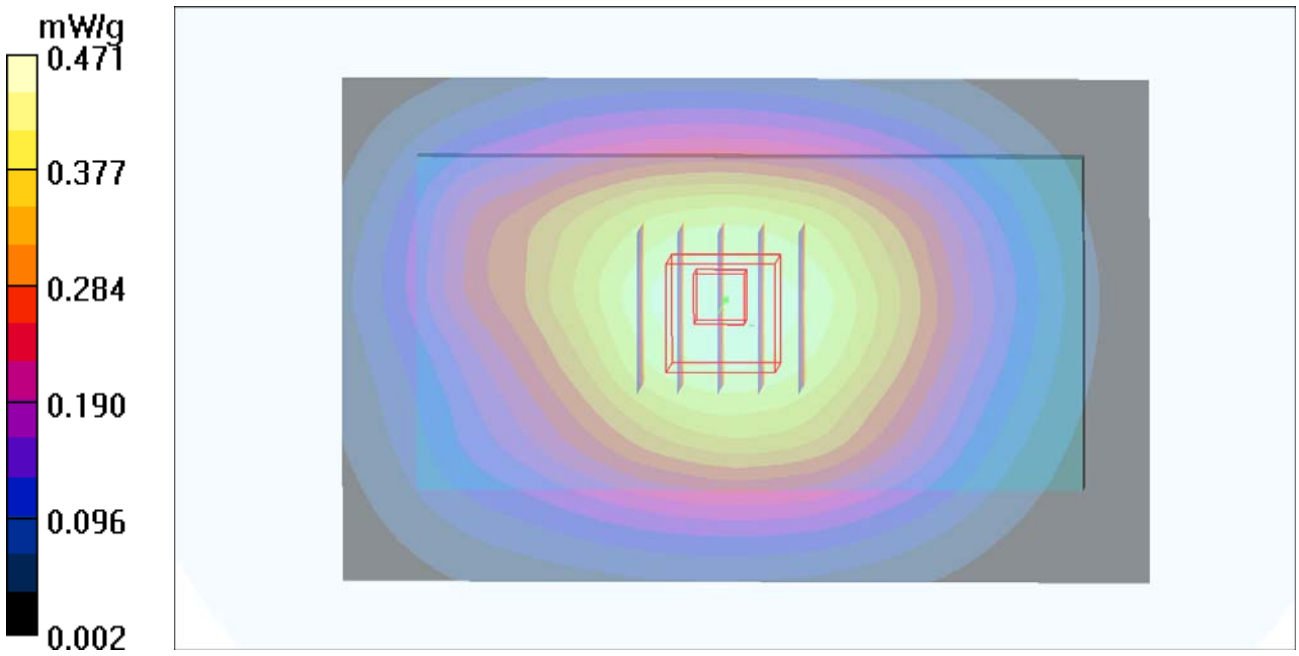
DUT: 120910C04

Communication System: GPRS10; Frequency: 824.2 MHz;Duty Cycle: 1:4
Medium: B835_0921 Medium parameters used: f = 824.2 MHz; σ = 0.969 mho/m; ε_r = 56; ρ = 1000 kg/m^3
Ambient Temperature：21.5 ℃； Liquid Temperature：20.4 ℃

DASY4 Configuration:
- Probe: EX3DV4 - SN3650; ConvF(9.12, 9.12, 9.12); Calibrated: 2011/10/26
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861; Calibrated: 2012/08/23
- 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

Ch128/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.471 mW/g

Ch128/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 22.3 V/m; Power Drift = 0.074 dB
Peak SAR (extrapolated) = 0.555 W/kg
SAR(1 g) = 0.439 mW/g; SAR(10 g) = 0.340 mW/g
Maximum value of SAR (measured) = 0.503 mW/g



P22 GSM850_GPRS10_ Rear Face_1cm_Ch128

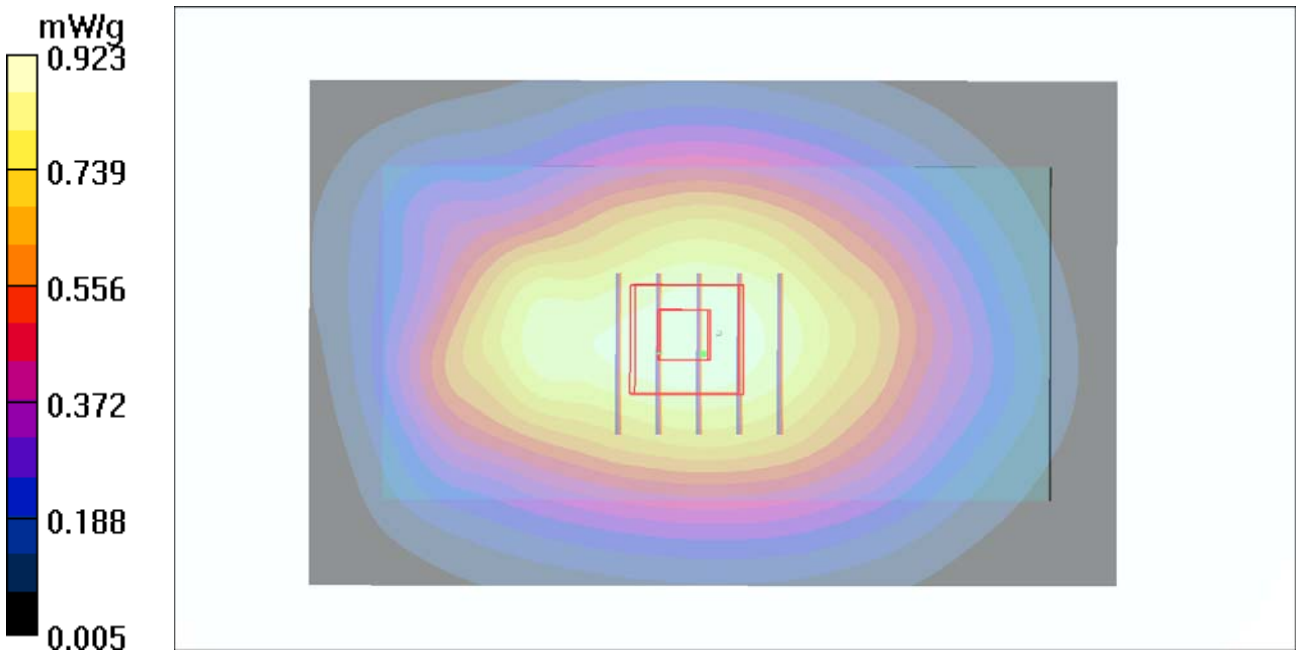
DUT: 120910C04

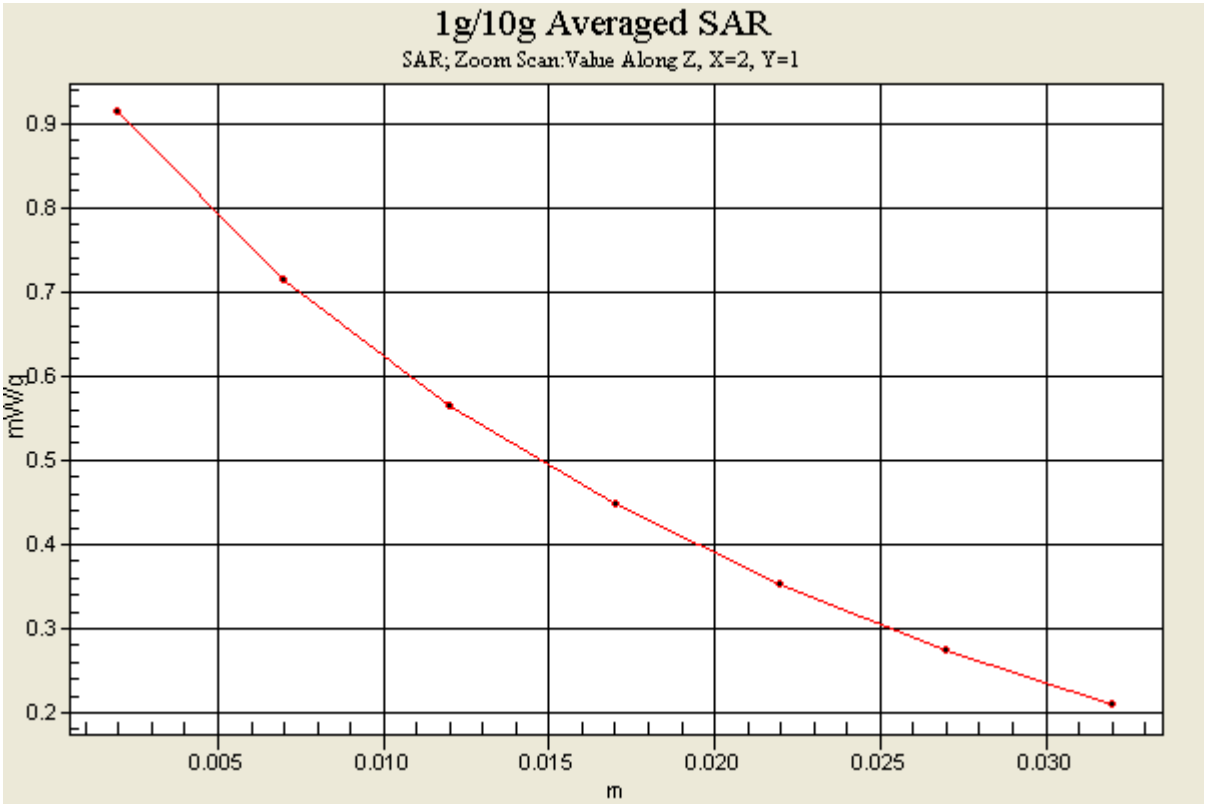
Communication System: GPRS10; Frequency: 824.2 MHz;Duty Cycle: 1:4
Medium: B835_0921 Medium parameters used: f = 824.2 MHz; σ = 0.969 mho/m; ε_r = 56; ρ = 1000 kg/m^3
Ambient Temperature：21.5 ℃; Liquid Temperature：20.4 ℃

DASY4 Configuration:
- Probe: EX3DV4 - SN3650; ConvF(9.12, 9.12, 9.12); Calibrated: 2011/10/26
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861; Calibrated: 2012/08/23
- 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

Ch128/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.923 mW/g

Ch128/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 31.0 V/m; Power Drift = 0.046 dB
Peak SAR (extrapolated) = 1.01 W/kg
SAR(1 g) = 0.800 mW/g; SAR(10 g) = 0.613 mW/g
Maximum value of SAR (measured) = 0.913 mW/g




1g/10g Averaged SAR
SAR; Zoom Scan:Value Along Z, X=2, Y=1
mW/g
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.005
0.010
0.015
0.020
0.025
0.030
m

P23 GSM850_GPRS10_Left Side_1cm_Ch128

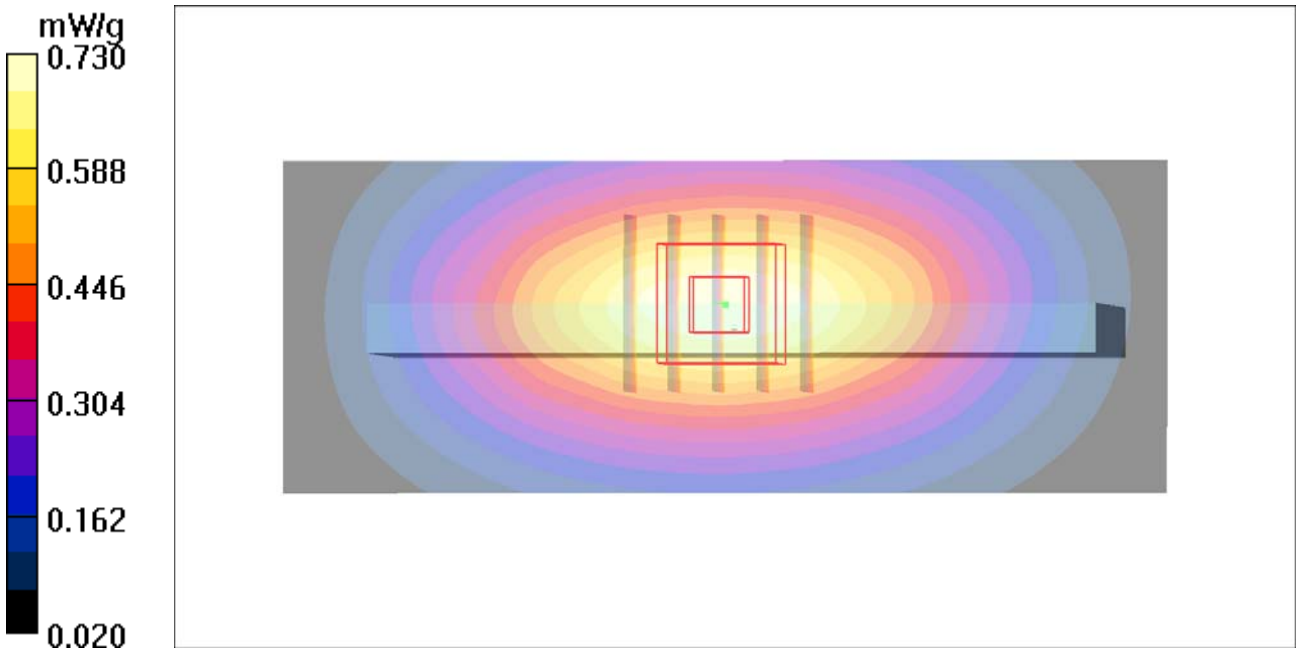
DUT: 120910C04

Communication System: GPRS10; Frequency: 824.2 MHz;Duty Cycle: 1:4
Medium: B835_0922 Medium parameters used: f = 824.2 MHz; σ = 0.982 mho/m; ε_r = 55.7; ρ = 1000 kg/m^3
Ambient Temperature：21.5 ℃； Liquid Temperature：20.2 ℃

DASY4 Configuration:
- Probe: EX3DV4 - SN3650; ConvF(9.12, 9.12, 9.12); Calibrated: 2011/10/26
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861; Calibrated: 2012/08/23
- 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

Ch128/Area Scan (31x81x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.730 mW/g

Ch128/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 27.9 V/m; Power Drift = -0.031 dB
Peak SAR (extrapolated) = 0.861 W/kg
SAR(1 g) = 0.620 mW/g; SAR(10 g) = 0.437 mW/g
Maximum value of SAR (measured) = 0.757 mW/g



P24 GSM850_GPRS10_Right Side_1cm_Ch128

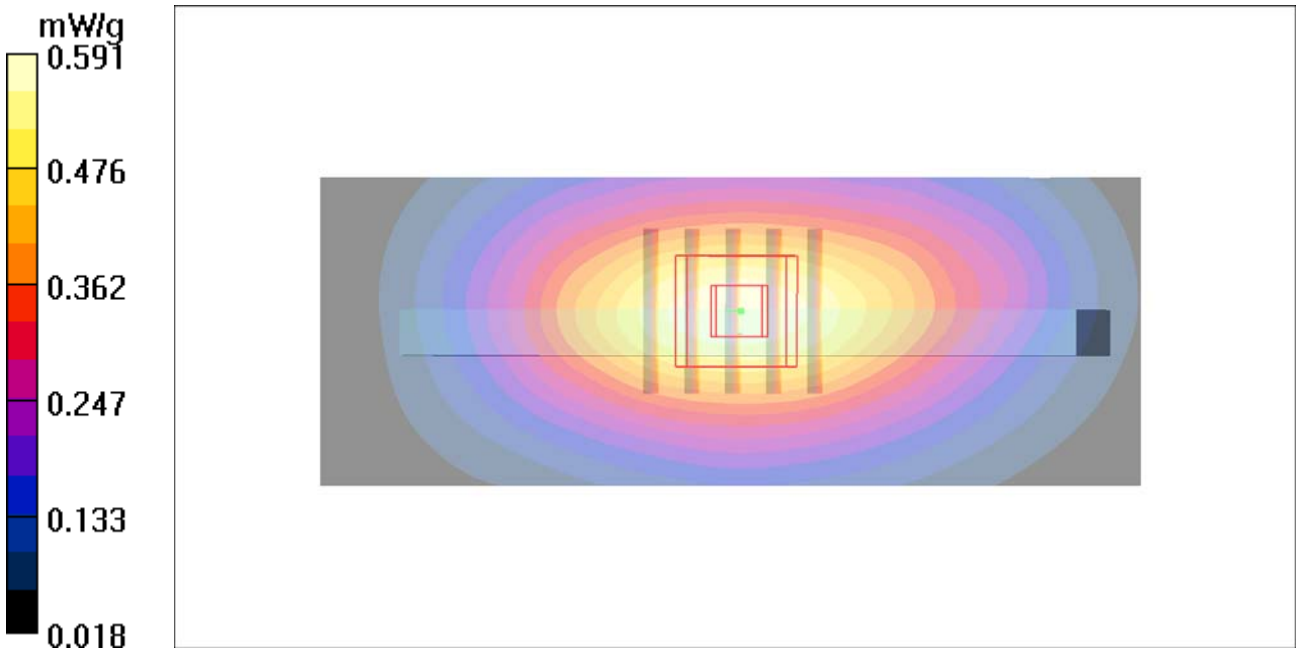
DUT: 120910C04

Communication System: GPRS10; Frequency: 824.2 MHz;Duty Cycle: 1:4
Medium: B835_0922 Medium parameters used: f = 824.2 MHz; σ = 0.982 mho/m; ε_r = 55.7; ρ = 1000 kg/m^3
Ambient Temperature：21.5 ℃； Liquid Temperature：20.2 ℃

DASY4 Configuration:
- Probe: EX3DV4 - SN3650; ConvF(9.12, 9.12, 9.12); Calibrated: 2011/10/26
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861; Calibrated: 2012/08/23
- 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

Ch128/Area Scan (31x81x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.591 mW/g

Ch128/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 25.0 V/m; Power Drift = -0.044 dB
Peak SAR (extrapolated) = 0.692 W/kg
SAR(1 g) = 0.493 mW/g; SAR(10 g) = 0.344 mW/g
Maximum value of SAR (measured) = 0.604 mW/g



P25 GSM850_GPRS10_Bottom Side_1cm_Ch128

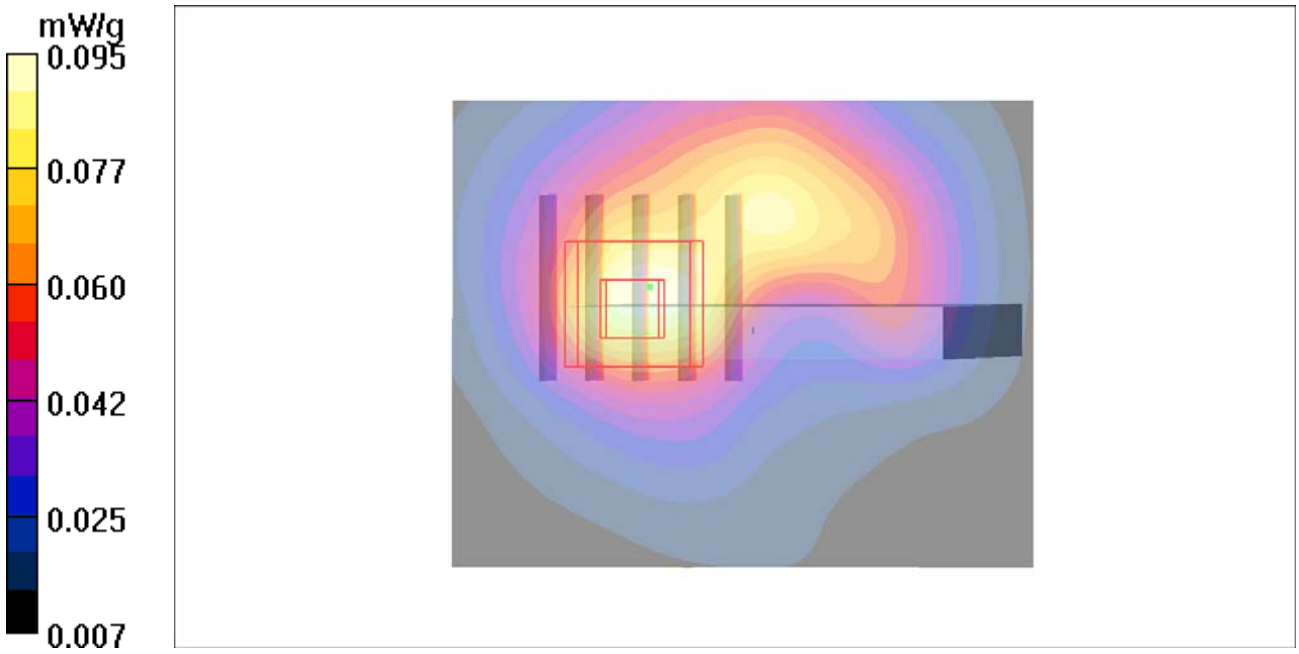
DUT: 120910C04

Communication System: GPRS10; Frequency: 824.2 MHz;Duty Cycle: 1:4
Medium: B835_0922 Medium parameters used: f = 824.2 MHz; σ = 0.982 mho/m; ε_r = 55.7; ρ = 1000 kg/m^3
Ambient Temperature：21.5 ℃； Liquid Temperature：20.2 ℃

DASY4 Configuration:
- Probe: EX3DV4 - SN3650; ConvF(9.12, 9.12, 9.12); Calibrated: 2011/10/26
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861; Calibrated: 2012/08/23
- 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

Ch128/Area Scan (41x51x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.095 mW/g

Ch128/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 7.18 V/m; Power Drift = -0.118 dB
Peak SAR (extrapolated) = 0.113 W/kg
SAR(1 g) = 0.073 mW/g; SAR(10 g) = 0.046 mW/g
Maximum value of SAR (measured) = 0.091 mW/g



P28 GSM850_GPRS10_ Rear Face_1cm_Ch189

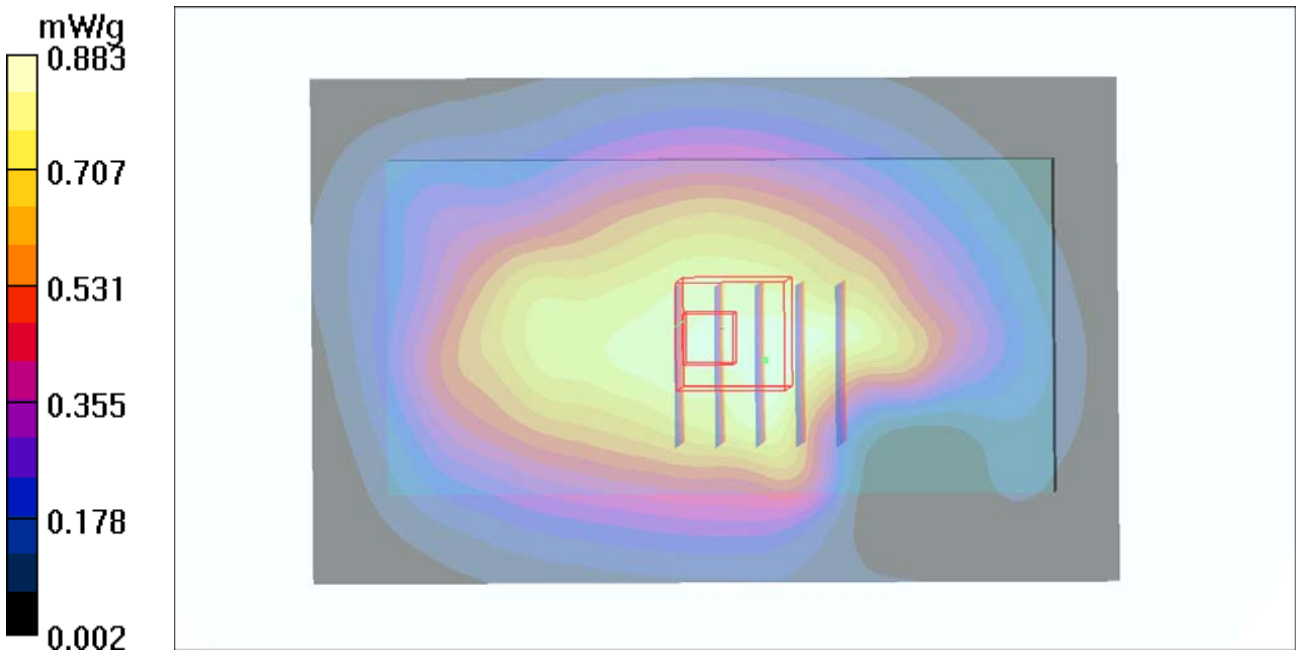
DUT: 120910C04

Communication System: GPRS10; Frequency: 836.4 MHz;Duty Cycle: 1:4
Medium: B835_0921 Medium parameters used: f = 836.4 MHz; σ = 0.981 mho/m; ε_r = 55.8; ρ = 1000 kg/m^3
Ambient Temperature：21.5 ℃； Liquid Temperature：20.4 ℃

DASY4 Configuration:
- Probe: EX3DV4 - SN3650; ConvF(9.12, 9.12, 9.12); Calibrated: 2011/10/26
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861; Calibrated: 2012/08/23
- 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

Ch189/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.883 mW/g

Ch189/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 29.6 V/m; Power Drift = -0.051 dB
Peak SAR (extrapolated) = 0.897 W/kg
SAR(1 g) = 0.710 mW/g; SAR(10 g) = 0.535 mW/g
Maximum value of SAR (measured) = 0.814 mW/g



P29 GSM850_GPRS10_ Rear Face_1cm_Ch251

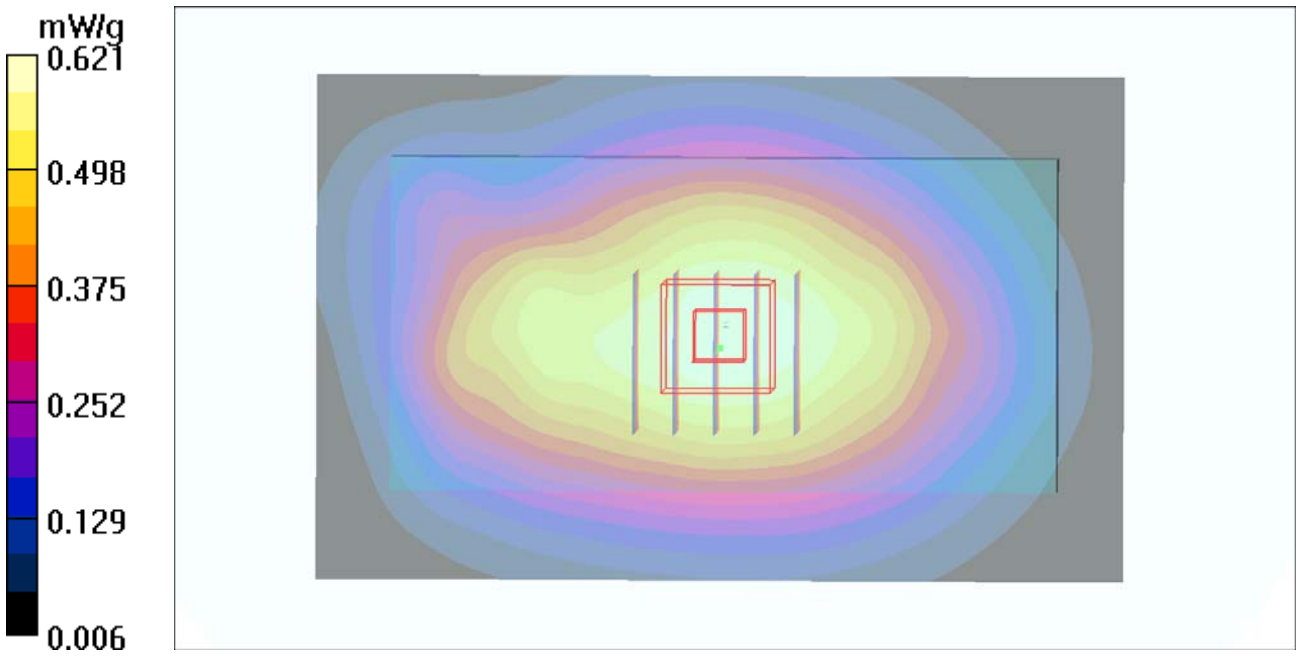
DUT: 120910C04

Communication System: GPRS10; Frequency: 848.8 MHz;Duty Cycle: 1:4
Medium: B835_0921 Medium parameters used: f = 849 MHz; σ = 0.993 mho/m; ε_r = 55.7; ρ = 1000 kg/m^3
Ambient Temperature：21.5 ℃； Liquid Temperature：20.4 ℃

DASY4 Configuration:
- Probe: EX3DV4 - SN3650; ConvF(9.12, 9.12, 9.12); Calibrated: 2011/10/26
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861; Calibrated: 2012/08/23
- 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

Ch251/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.621 mW/g

Ch251/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 25.2 V/m; Power Drift = 0.024 dB
Peak SAR (extrapolated) = 0.664 W/kg
SAR(1 g) = 0.526 mW/g; SAR(10 g) = 0.401 mW/g
Maximum value of SAR (measured) = 0.603 mW/g



P26 GSM850_GPRS10_ Front Face_1cm_Ch128_Earphone

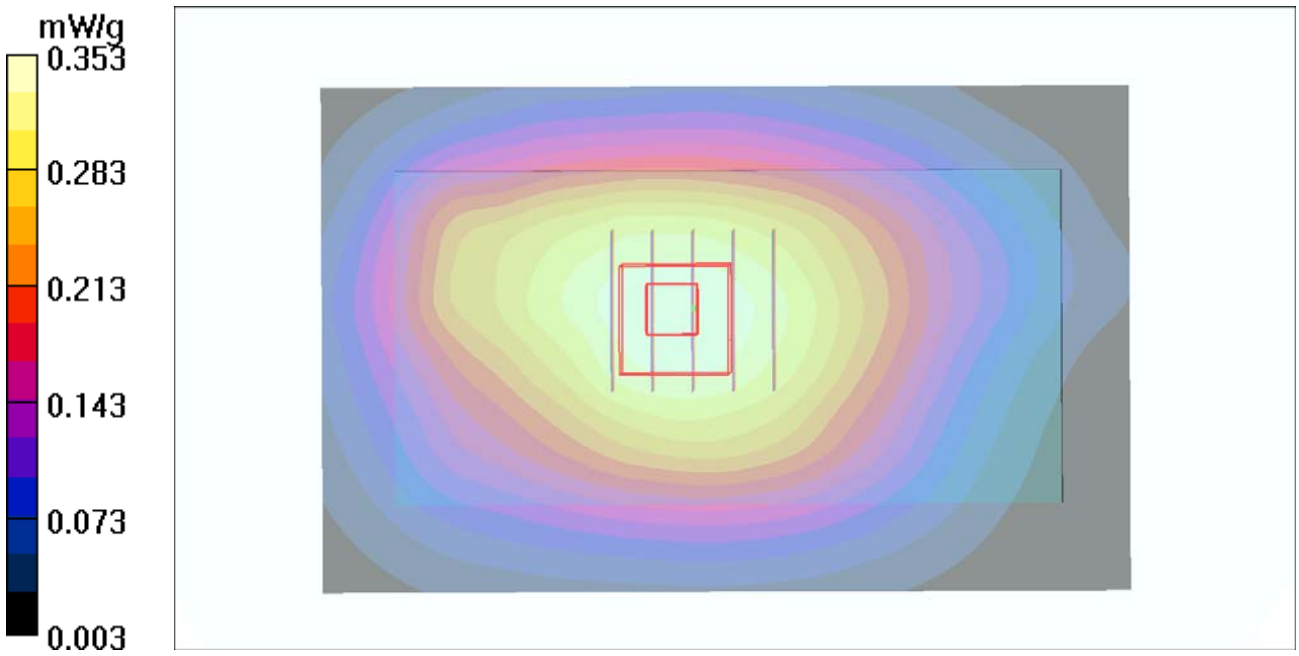
DUT: 120910C04

Communication System: GPRS10; Frequency: 824.2 MHz;Duty Cycle: 1:4
Medium: B835_0921 Medium parameters used: f = 824.2 MHz; σ = 0.969 mho/m; ε_r = 56; ρ = 1000 kg/m^3
Ambient Temperature：21.5 ℃; Liquid Temperature：20.4 ℃

DASY4 Configuration:
- Probe: EX3DV4 - SN3650; ConvF(9.12, 9.12, 9.12); Calibrated: 2011/10/26
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861; Calibrated: 2012/08/23
- 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

Ch128/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.353 mW/g

Ch128/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 19.0 V/m; Power Drift = -0.096 dB
Peak SAR (extrapolated) = 0.376 W/kg
SAR(1 g) = 0.300 mW/g; SAR(10 g) = 0.231 mW/g
Maximum value of SAR (measured) = 0.343 mW/g



P27 GSM850_GPRS10_ Rear Face_1cm_Ch128_Earphone

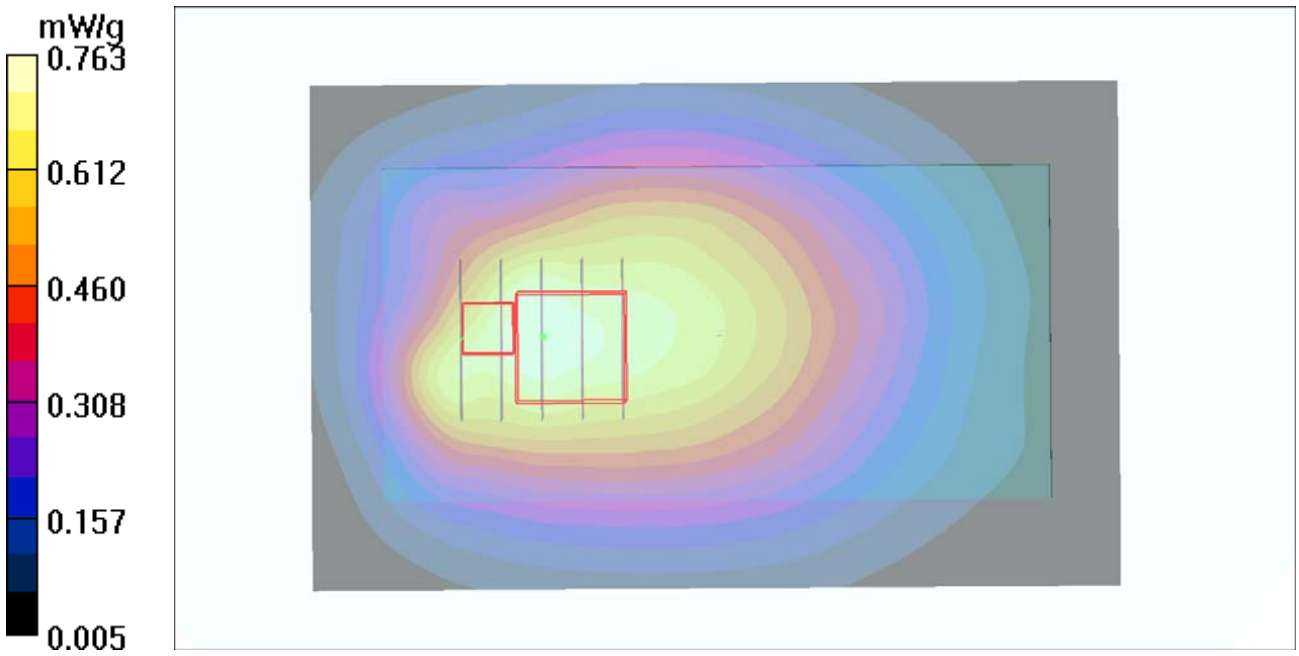
DUT: 120910C04

Communication System: GPRS10; Frequency: 824.2 MHz;Duty Cycle: 1:4
Medium: B835_0921 Medium parameters used: f = 824.2 MHz; σ = 0.969 mho/m; ε_r = 56; ρ = 1000 kg/m^3
Ambient Temperature：21.5 ℃； Liquid Temperature：20.4 ℃

DASY4 Configuration:
- Probe: EX3DV4 - SN3650; ConvF(9.12, 9.12, 9.12); Calibrated: 2011/10/26
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861; Calibrated: 2012/08/23
- 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

Ch128/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.763 mW/g

Ch128/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 25.8 V/m; Power Drift = -0.021 dB
Peak SAR (extrapolated) = 1.07 W/kg
SAR(1 g) = 0.650 mW/g; SAR(10 g) = 0.454 mW/g
Maximum value of SAR (measured) = 0.852 mW/g



P30 GSM1900_GPRS10_Front Face_1cm_Ch810

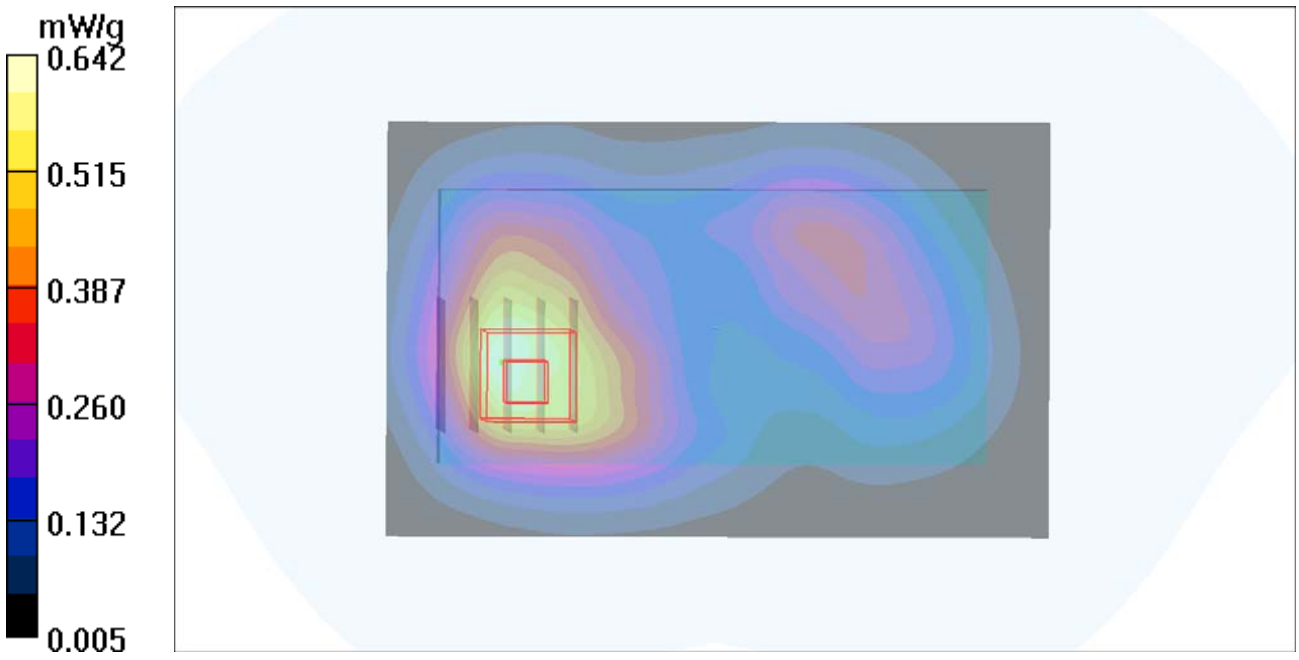
DUT: 120910C03

Communication System: GPRS10; Frequency: 1909.8 MHz;Duty Cycle: 1:4
Medium: B1900_0922 Medium parameters used : f = 1909.8 MHz; σ = 1.55 mho/m; ε_r = 52; ρ = 1000 kg/m^3
Ambient Temperature：21.8 ℃; Liquid Temperature：20.7 ℃

DASY4 Configuration:
- Probe: EX3DV4 - SN3650; ConvF(7.46, 7.46, 7.46); Calibrated: 2011/10/26
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861; Calibrated: 2012/08/23
- Phantom: SAM Phantom_Front; Type: SAM V4.0; Serial: TP 1654
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Ch810/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.642 mW/g

Ch810/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 8.84 V/m; Power Drift = 0.000 dB
Peak SAR (extrapolated) = 0.718 W/kg
SAR(1 g) = 0.462 mW/g; SAR(10 g) = 0.288 mW/g
Maximum value of SAR (measured) = 0.581 mW/g



P31 GSM1900_GPRS10_Rear Face_1cm_Ch810

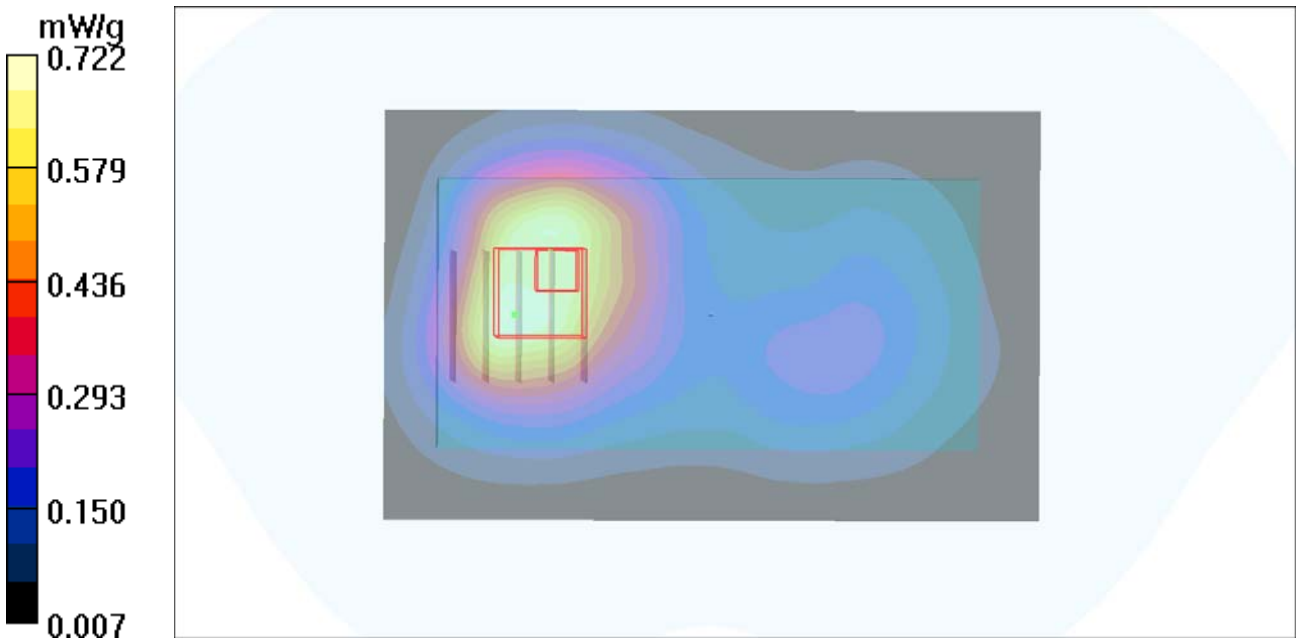
DUT: 120910C03

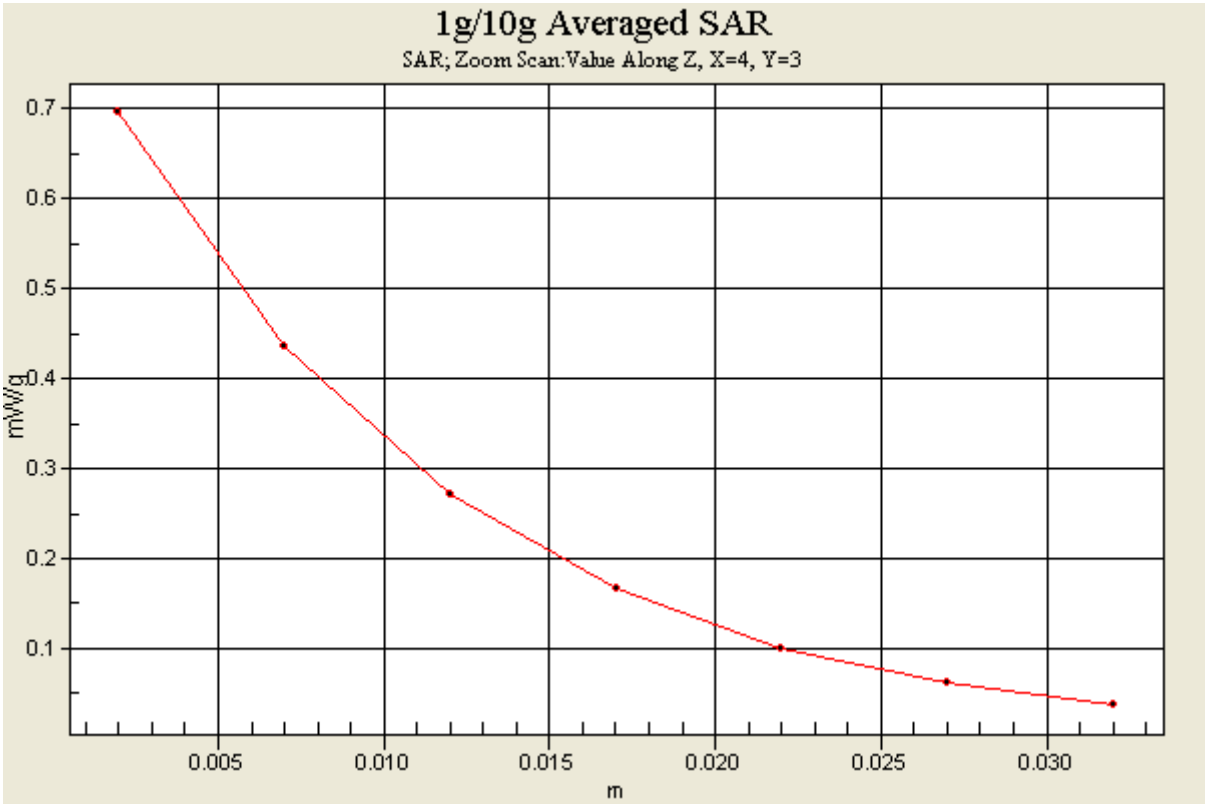
Communication System: GPRS10; Frequency: 1909.8 MHz;Duty Cycle: 1:4
Medium: B1900_0922 Medium parameters used : f = 1909.8 MHz; σ = 1.55 mho/m; ε_r = 52; ρ = 1000 kg/m^3
Ambient Temperature：21.8 ℃; Liquid Temperature：20.7 ℃

DASY4 Configuration:
- Probe: EX3DV4 - SN3650; ConvF(7.46, 7.46, 7.46); Calibrated: 2011/10/26
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861; Calibrated: 2012/08/23
- Phantom: SAM Phantom_Front; Type: SAM V4.0; Serial: TP 1654
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Ch810/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.722 mW/g

Ch810/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 10.2 V/m; Power Drift = 0.058 dB
Peak SAR (extrapolated) = 0.845 W/kg
SAR(1 g) = 0.518 mW/g; SAR(10 g) = 0.309 mW/g
Maximum value of SAR (measured) = 0.696 mW/g




1g/10g Averaged SAR
SAR; Zoom Scan:Value Along Z, X=4, Y=3
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

P32 GSM1900_GPRS10_Left Side_1cm_Ch810

DUT: 120910C03

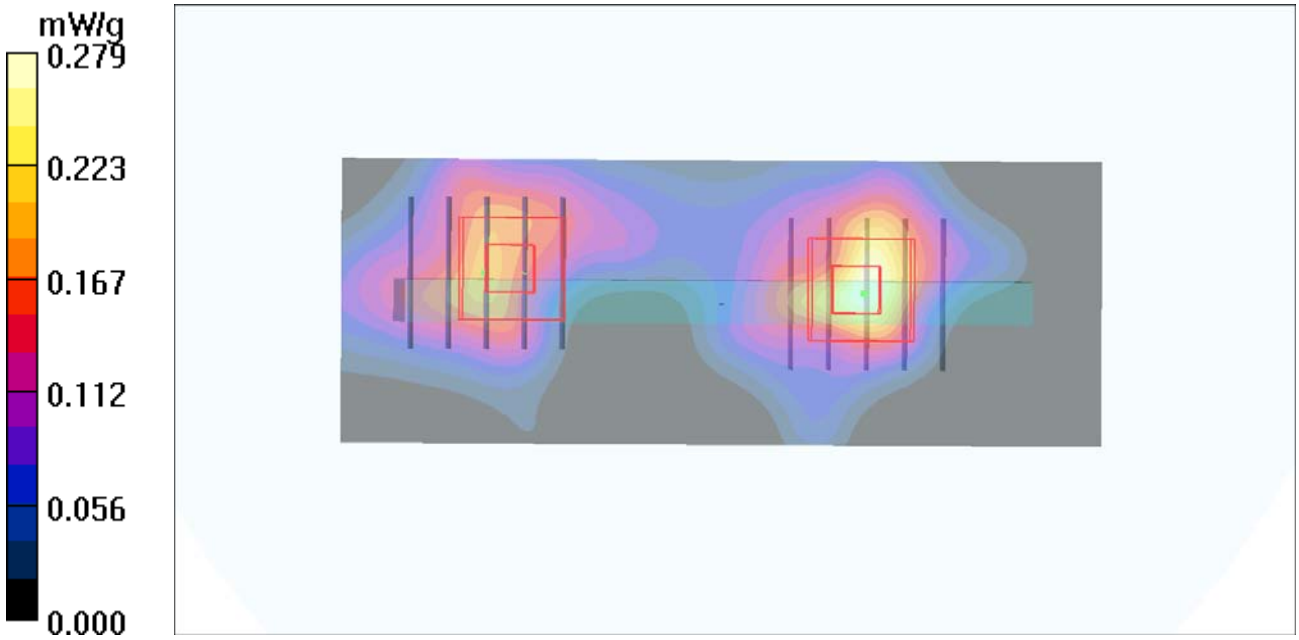
Communication System: GPRS10; Frequency: 1909.8 MHz;Duty Cycle: 1:4
Medium: B1900_0922 Medium parameters used : f = 1909.8 MHz; σ = 1.55 mho/m; ε_r = 52; ρ = 1000 kg/m^3
Ambient Temperature：21.8 ℃; Liquid Temperature：20.7 ℃

DASY4 Configuration:
- Probe: EX3DV4 - SN3650; ConvF(7.46, 7.46, 7.46); Calibrated: 2011/10/26
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861; Calibrated: 2012/08/23
- Phantom: SAM Phantom_Front; Type: SAM V4.0; Serial: TP 1654
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Ch810/Area Scan (31x81x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.279 mW/g

Ch810/Zoom Scan (5x5x7)/Cube 1: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 6.84 V/m; Power Drift = -0.036 dB
Peak SAR (extrapolated) = 0.197 W/kg
SAR(1 g) = 0.123 mW/g; SAR(10 g) = 0.074 mW/g
Maximum value of SAR (measured) = 0.159 mW/g

Ch810/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 6.84 V/m; Power Drift = -0.036 dB
Peak SAR (extrapolated) = 0.181 W/kg
SAR(1 g) = 0.112 mW/g; SAR(10 g) = 0.066 mW/g
Maximum value of SAR (measured) = 0.147 mW/g



P33 GSM1900_GPRS10_Right Side_1cm_Ch810

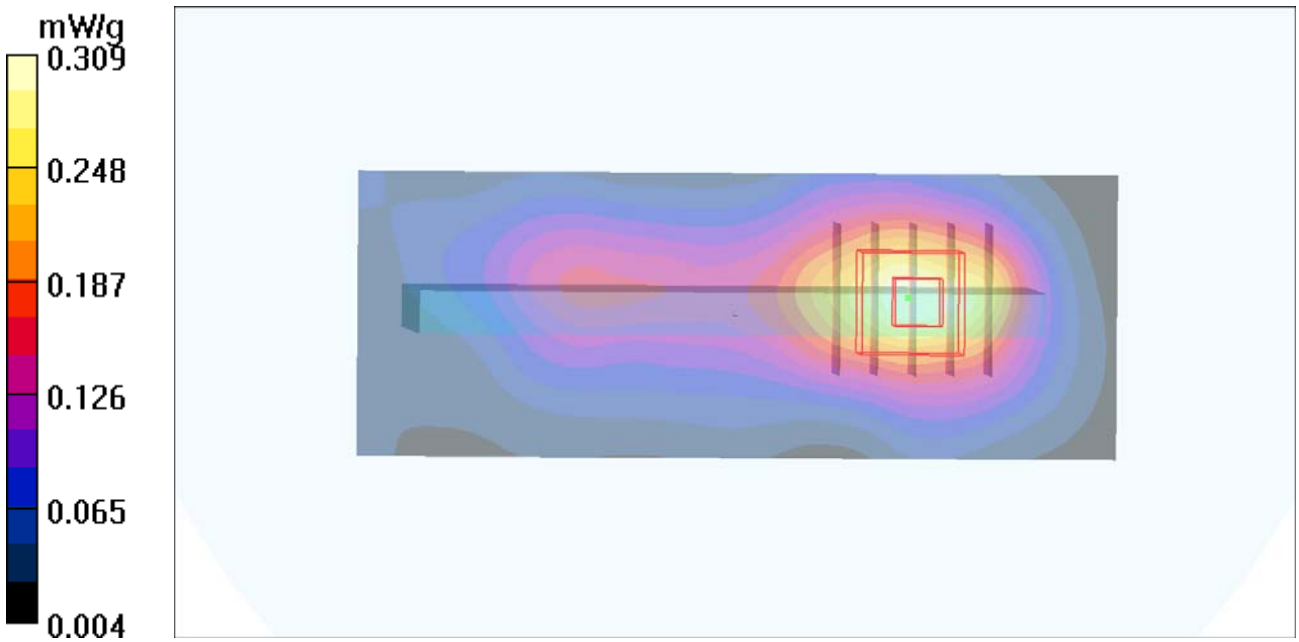
DUT: 120910C03

Communication System: GPRS10; Frequency: 1909.8 MHz;Duty Cycle: 1:4
Medium: B1900_0922 Medium parameters used : f = 1909.8 MHz; σ = 1.55 mho/m; ε_r = 52; ρ = 1000 kg/m^3
Ambient Temperature：21.8 ℃; Liquid Temperature：20.7 ℃

DASY4 Configuration:
- Probe: EX3DV4 - SN3650; ConvF(7.46, 7.46, 7.46); Calibrated: 2011/10/26
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861; Calibrated: 2012/08/23
- Phantom: SAM Phantom_Front; Type: SAM V4.0; Serial: TP 1654
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Ch810/Area Scan (31x81x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.309 mW/g

Ch810/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 10.3 V/m; Power Drift = -0.197 dB
Peak SAR (extrapolated) = 0.387 W/kg
SAR(1 g) = 0.237 mW/g; SAR(10 g) = 0.139 mW/g
Maximum value of SAR (measured) = 0.315 mW/g



P34 GSM1900_GPRS10_Bottom Side_1cm_Ch810

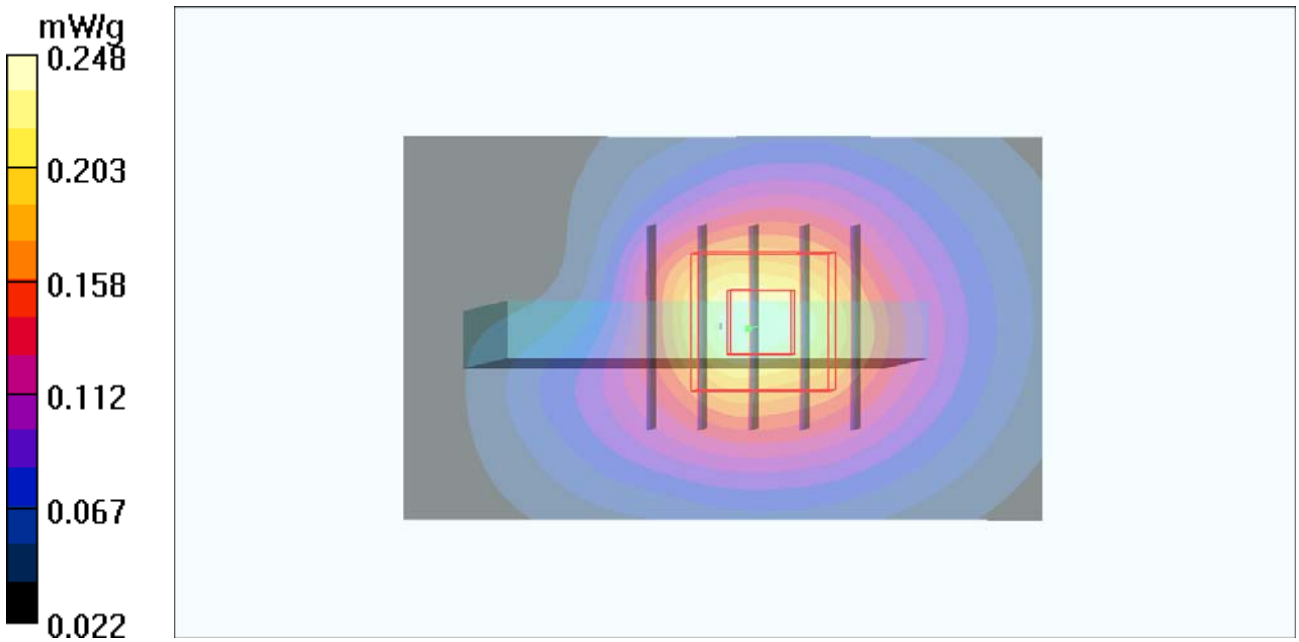
DUT: 120910C03

Communication System: GPRS10; Frequency: 1909.8 MHz;Duty Cycle: 1:4
Medium: B1900_0922 Medium parameters used : f = 1909.8 MHz; σ = 1.55 mho/m; ε_r = 52; ρ = 1000 kg/m^3
Ambient Temperature：21.8 ℃; Liquid Temperature：20.7 ℃

DASY4 Configuration:
- Probe: EX3DV4 - SN3650; ConvF(7.46, 7.46, 7.46); Calibrated: 2011/10/26
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861; Calibrated: 2012/08/23
- Phantom: SAM Phantom_Front; Type: SAM V4.0; Serial: TP 1654
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Ch810/Area Scan (31x51x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.248 mW/g

Ch810/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 12.5 V/m; Power Drift = -0.12 dB
Peak SAR (extrapolated) = 0.253 W/kg
SAR(1 g) = 0.182 mW/g; SAR(10 g) = 0.077 mW/g
Maximum value of SAR (measured) = 0.235 mW/g



P35 GSM1900_GPRS10_Front Face_1cm_Ch810_Earphone

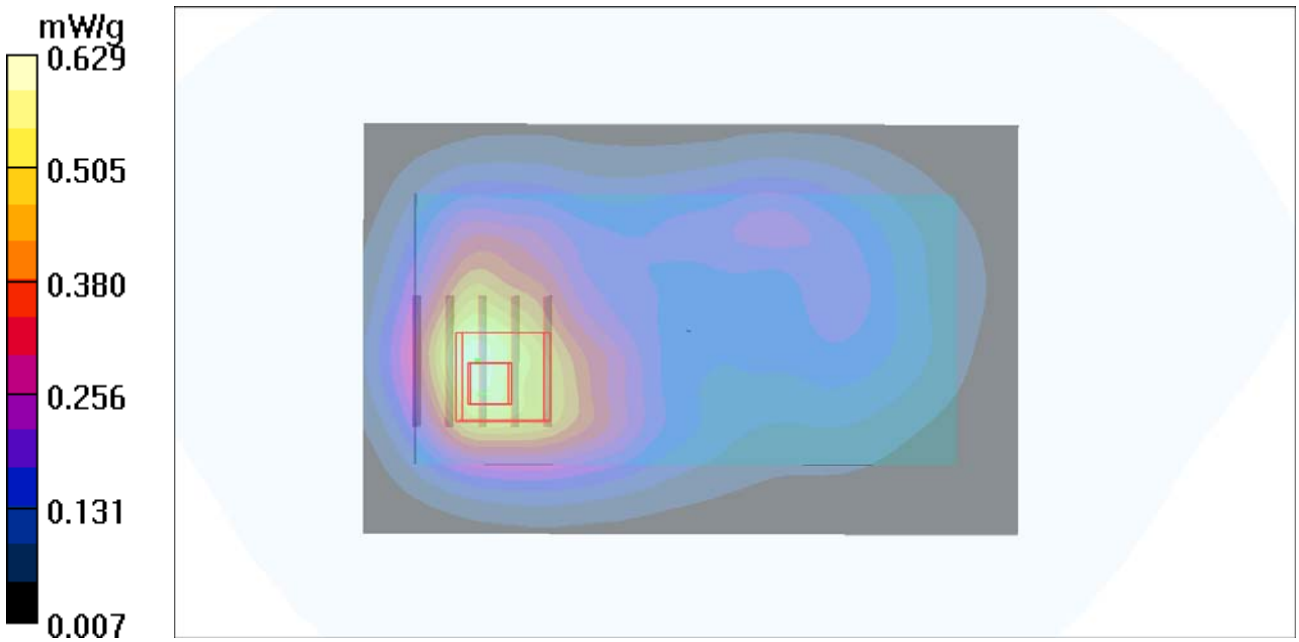
DUT: 120910C03

Communication System: GPRS10; Frequency: 1909.8 MHz;Duty Cycle: 1:4
Medium: B1900_0922 Medium parameters used : f = 1909.8 MHz; σ = 1.55 mho/m; ε_r = 52; ρ = 1000 kg/m^3
Ambient Temperature：21.8 ℃; Liquid Temperature：20.7 ℃

DASY4 Configuration:
- Probe: EX3DV4 - SN3650; ConvF(7.46, 7.46, 7.46); Calibrated: 2011/10/26
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861; Calibrated: 2012/08/23
- Phantom: SAM Phantom_Front; Type: SAM V4.0; Serial: TP 1654
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Ch810/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.629 mW/g

Ch810/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 10.0 V/m; Power Drift = -0.021 dB
Peak SAR (extrapolated) = 0.721 W/kg
SAR(1 g) = 0.453 mW/g; SAR(10 g) = 0.279 mW/g
Maximum value of SAR (measured) = 0.588 mW/g



P36 GSM1900_GPRS10_Rear Face_1cm_Ch810_Earphone

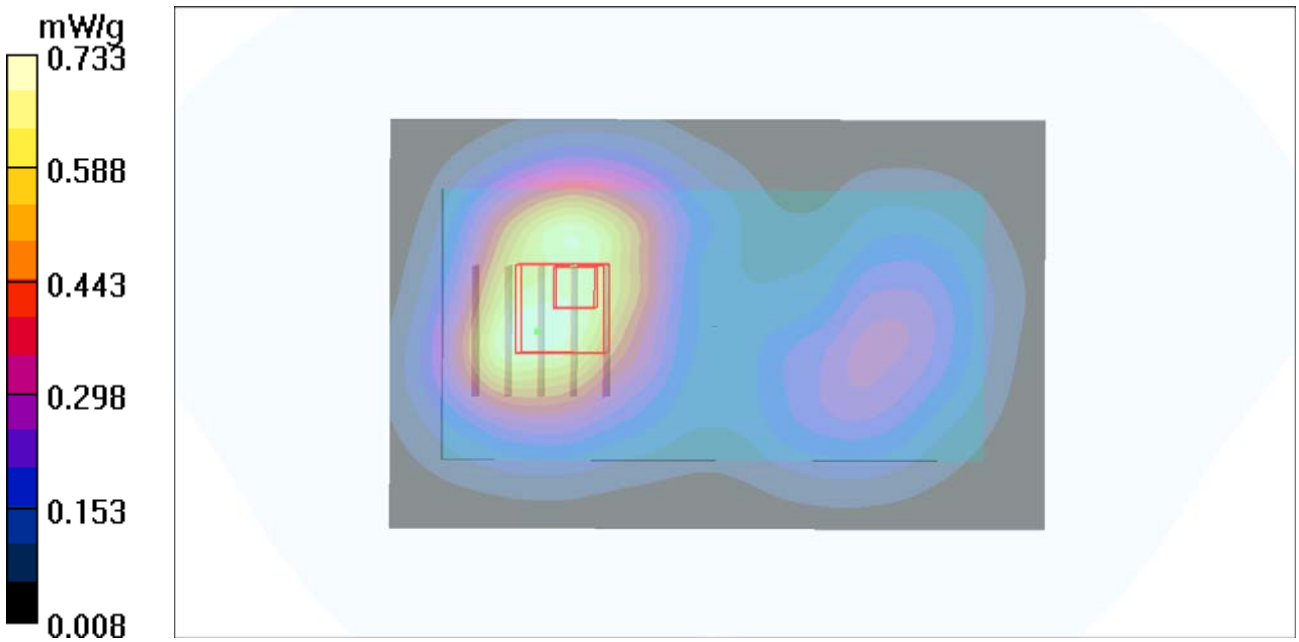
DUT: 120910C03

Communication System: GPRS10; Frequency: 1909.8 MHz;Duty Cycle: 1:4
Medium: B1900_0922 Medium parameters used : f = 1909.8 MHz; σ = 1.55 mho/m; ε_r = 52; ρ = 1000 kg/m^3
Ambient Temperature：21.8 ℃; Liquid Temperature：20.7 ℃

DASY4 Configuration:
- Probe: EX3DV4 - SN3650; ConvF(7.46, 7.46, 7.46); Calibrated: 2011/10/26
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861; Calibrated: 2012/08/23
- Phantom: SAM Phantom_Front; Type: SAM V4.0; Serial: TP 1654
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Ch810/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.733 mW/g

Ch810/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 9.17 V/m; Power Drift = -0.184 dB
Peak SAR (extrapolated) = 0.803 W/kg
SAR(1 g) = 0.504 mW/g; SAR(10 g) = 0.308 mW/g
Maximum value of SAR (measured) = 0.667 mW/g



P37 WCDMA V_RMC12.2_Front Face_1cm_Ch4233

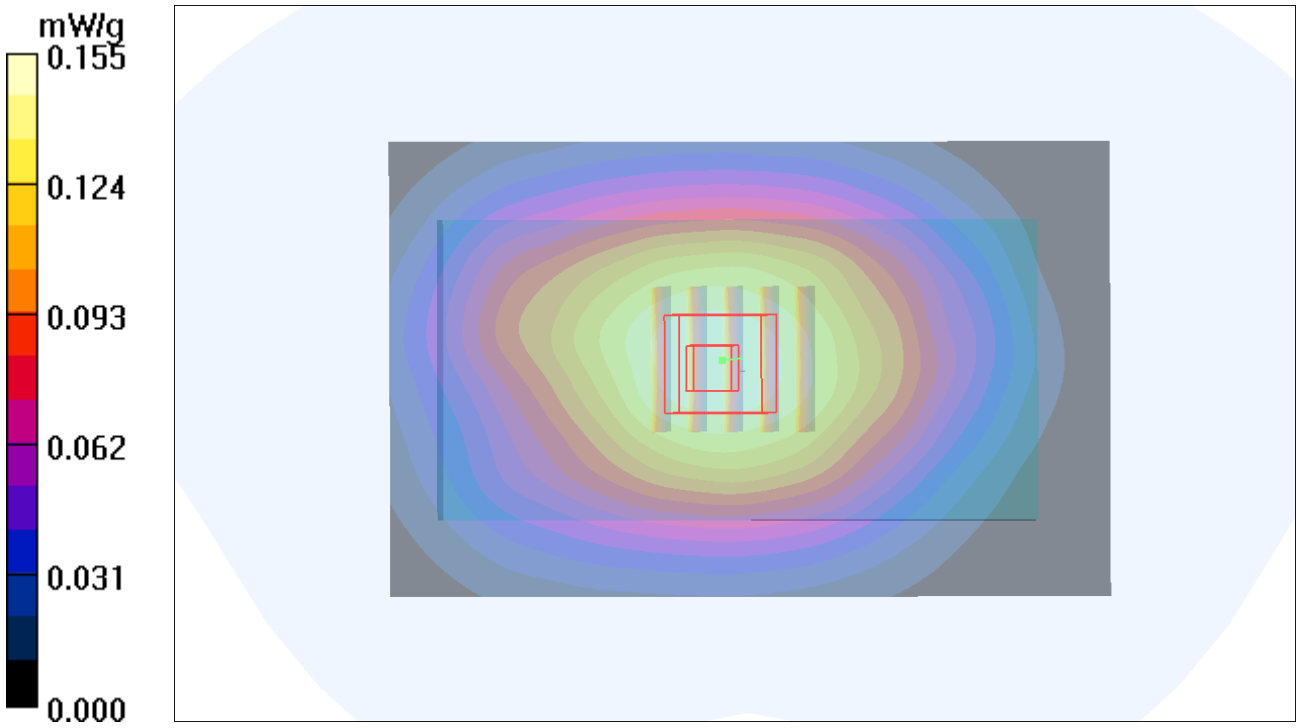
DUT: 120910C04

Communication System: WCDMA; Frequency: 846.6 MHz;Duty Cycle: 1:1
Medium: B835_0924 Medium parameters used: f = 847 MHz; σ = 0.991 mho/m; ε_r = 55.8; ρ = 1000 kg/m^3
Ambient Temperature：21.7 ℃； Liquid Temperature：20.5 ℃

DASY4 Configuration:
- Probe: EX3DV4 - SN3864; ConvF(9.94, 9.94, 9.94); Calibrated: 2012/07/19
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1277; Calibrated: 2012/07/19
- 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

Ch4233/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.155 mW/g

Ch4233/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 12.6 V/m; Power Drift = -0.151 dB
Peak SAR (extrapolated) = 0.165 W/kg
SAR(1 g) = 0.131 mW/g; SAR(10 g) = 0.100 mW/g
Maximum value of SAR (measured) = 0.150 mW/g



P38 WCDMA V_RMC12.2_Rear Face_1cm_Ch4233

DUT: 120910C04

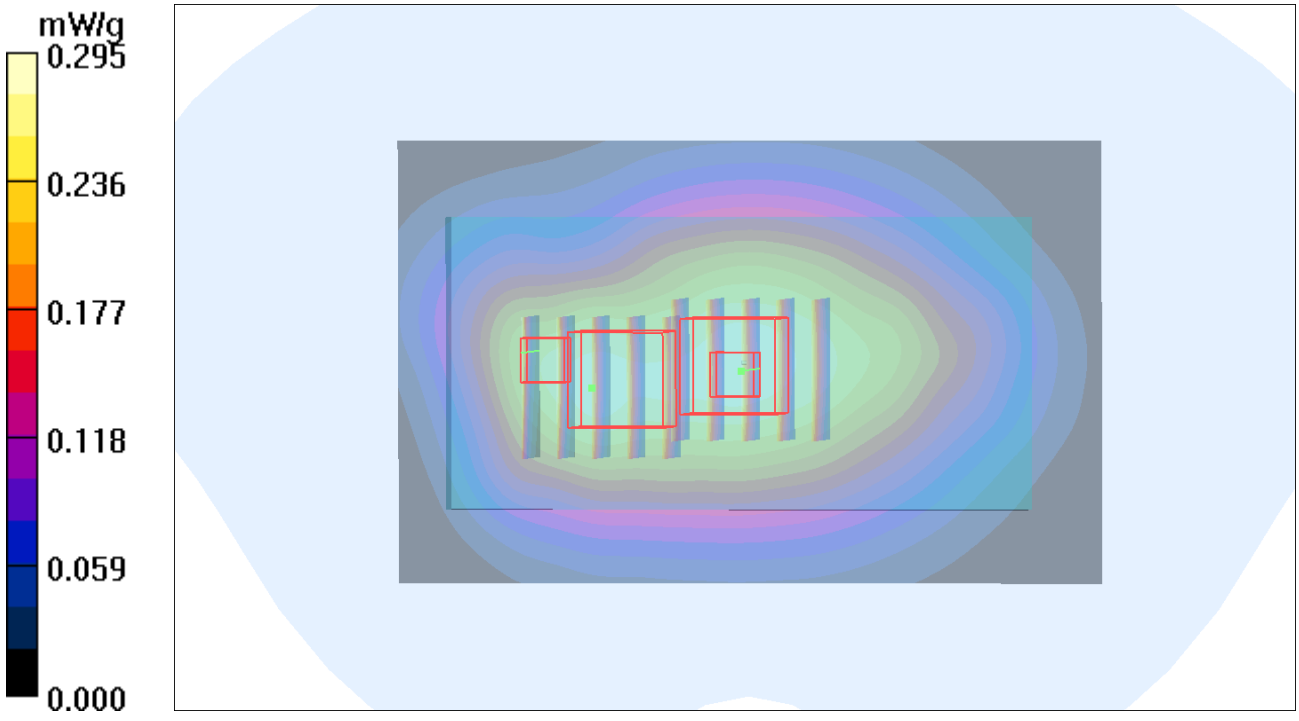
Communication System: WCDMA; Frequency: 846.6 MHz;Duty Cycle: 1:1
Medium: B835_0924 Medium parameters used: f = 847 MHz; σ = 0.991 mho/m; ε_r = 55.8; ρ = 1000 kg/m^3
Ambient Temperature：21.7 ℃; Liquid Temperature：20.5 ℃

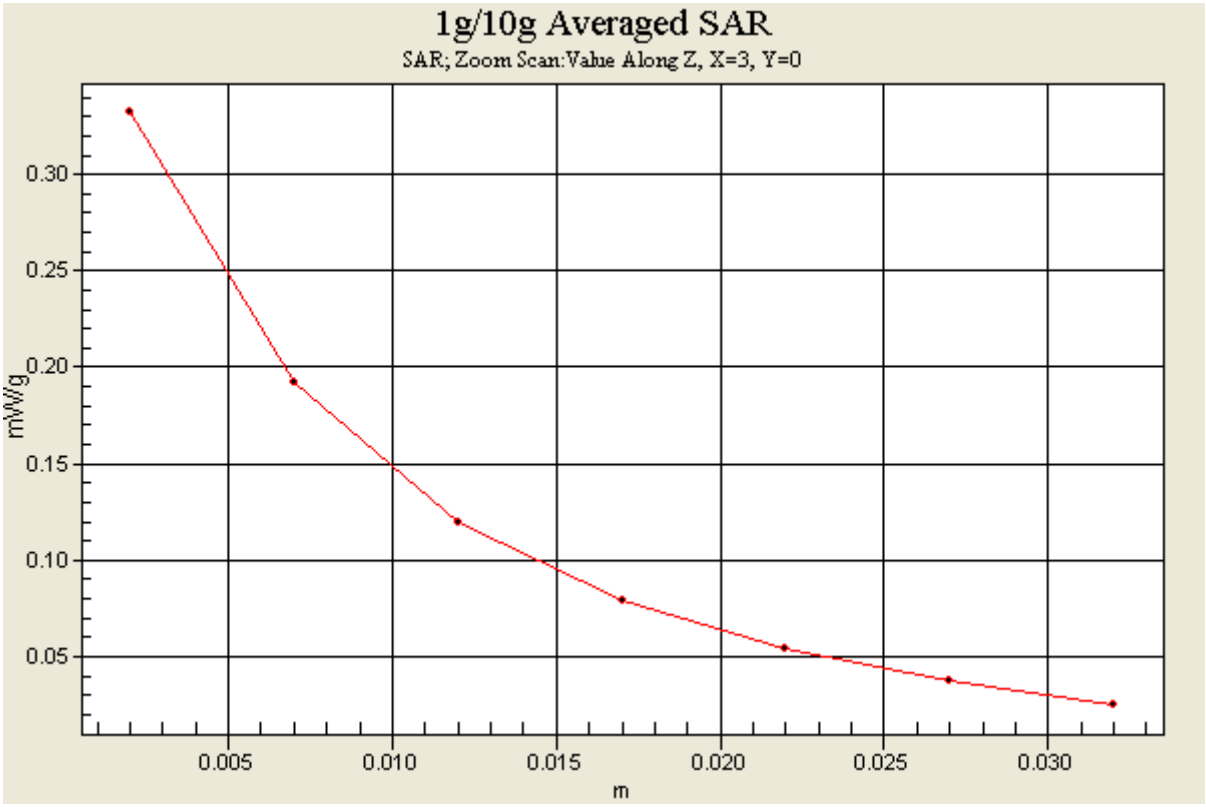
DASY4 Configuration:
- Probe: EX3DV4 - SN3864; ConvF(9.94, 9.94, 9.94); Calibrated: 2012/07/19
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1277; Calibrated: 2012/07/19
- Phantom: SAM Phantom_Left; Type: SAM V4.0; Serial: TP 1652
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Ch4233/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.295 mW/g

Ch4233/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 17.3 V/m; Power Drift = 0.085 dB
Peak SAR (extrapolated) = 0.426 W/kg
SAR(1 g) = 0.256 mW/g; SAR(10 g) = 0.169 mW/g
Maximum value of SAR (measured) = 0.331 mW/g

Ch4233/Zoom Scan (5x5x7)/Cube 1: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 17.3 V/m; Power Drift = 0.085 dB
Peak SAR (extrapolated) = 0.319 W/kg
SAR(1 g) = 0.251 mW/g; SAR(10 g) = 0.191 mW/g
Maximum value of SAR (measured) = 0.289 mW/g




1g/10g Averaged SAR
SAR; Zoom Scan:Value Along Z, X=3, Y=0
mW/g
0.30
0.25
0.20
0.15
0.10
0.05
0.005
0.010
0.015
0.020
0.025
0.030
m

P39 WCDMA V_RMC12.2_Left Side_1cm_Ch4233

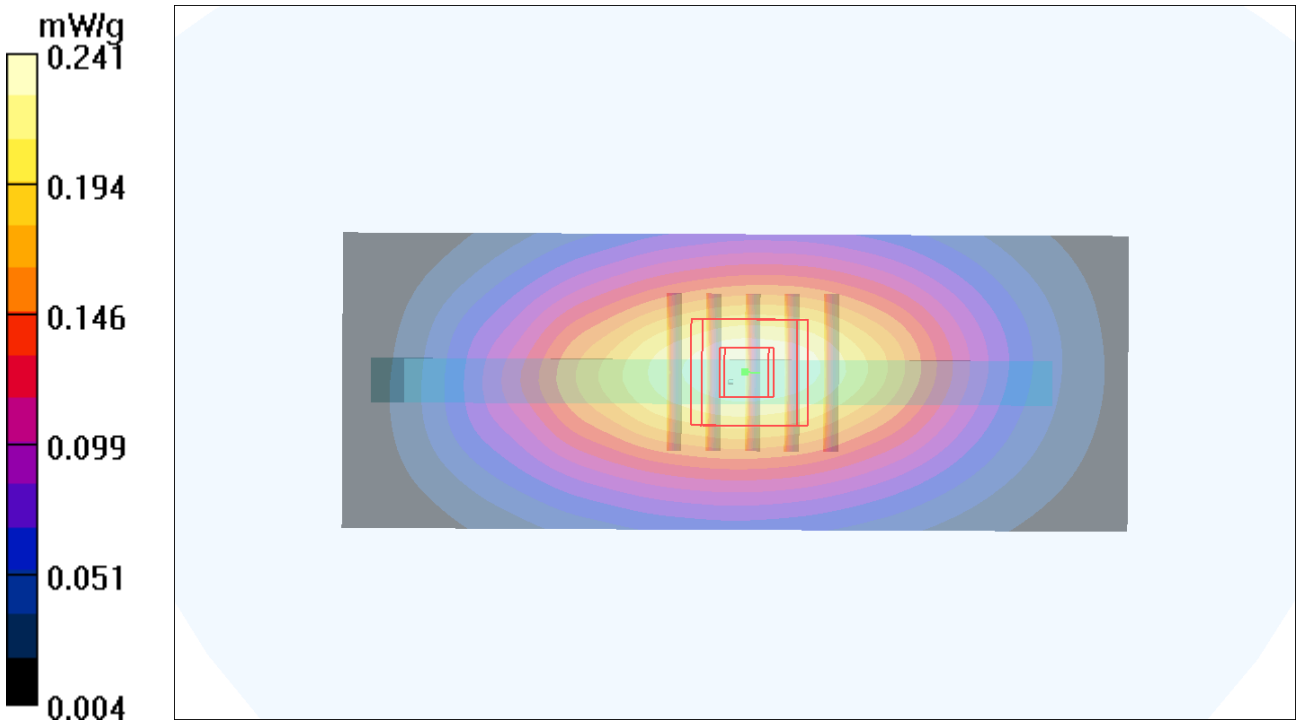
DUT: 120910C04

Communication System: WCDMA; Frequency: 846.6 MHz;Duty Cycle: 1:1
Medium: B835_0924 Medium parameters used: f = 847 MHz; σ = 0.991 mho/m; ε_r = 55.8; ρ = 1000 kg/m^3
Ambient Temperature：21.7 ℃; Liquid Temperature：20.5 ℃

DASY4 Configuration:
- Probe: EX3DV4 - SN3864; ConvF(9.94, 9.94, 9.94); Calibrated: 2012/07/19
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1277; Calibrated: 2012/07/19
- 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

Ch4233/Area Scan (31x81x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.241 mW/g

Ch4233/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 16.2 V/m; Power Drift = -0.036 dB
Peak SAR (extrapolated) = 0.287 W/kg
SAR(1 g) = 0.204 mW/g; SAR(10 g) = 0.142 mW/g
Maximum value of SAR (measured) = 0.249 mW/g



P40 WCDMA V_RMC12.2_Right Side_1cm_Ch4233

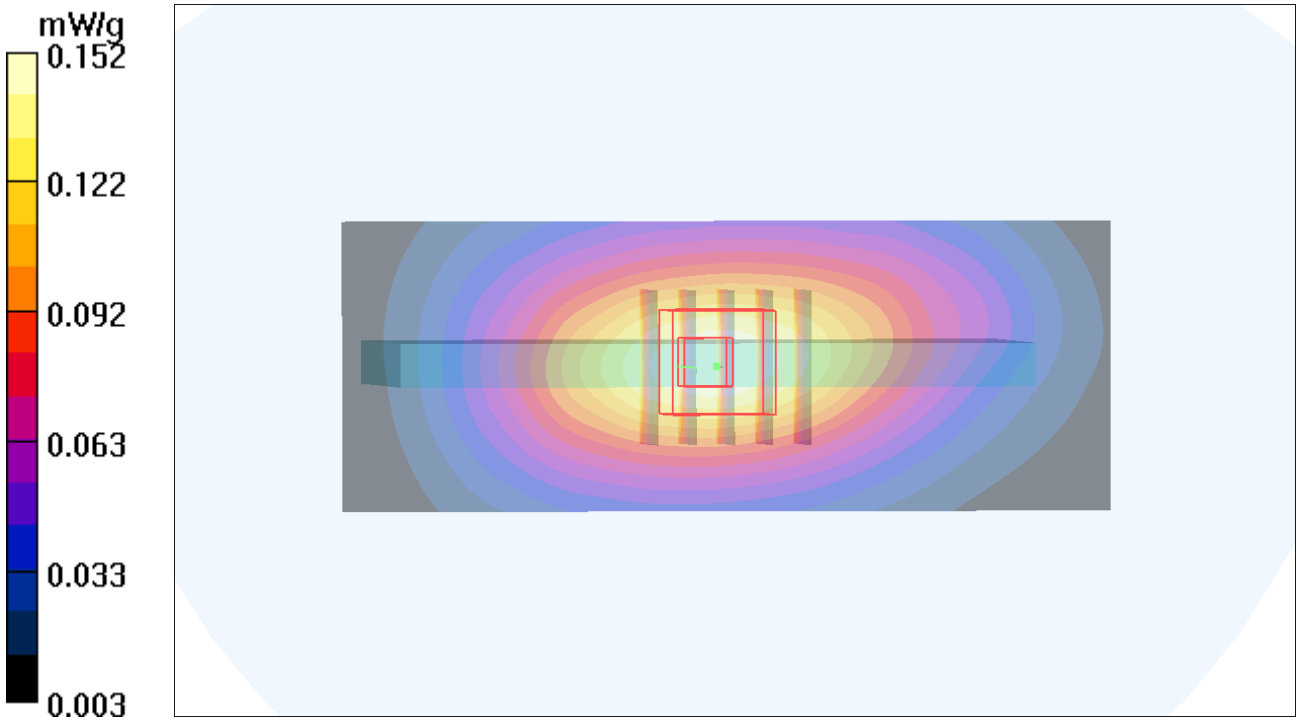
DUT: 120910C04

Communication System: WCDMA; Frequency: 846.6 MHz;Duty Cycle: 1:1
Medium: B835_0924 Medium parameters used: f = 847 MHz; σ = 0.991 mho/m; ε_r = 55.8; ρ = 1000 kg/m^3
Ambient Temperature：21.7 ℃； Liquid Temperature：20.5 ℃

DASY4 Configuration:
- Probe: EX3DV4 - SN3864; ConvF(9.94, 9.94, 9.94); Calibrated: 2012/07/19
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1277; Calibrated: 2012/07/19
- 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

Ch4233/Area Scan (31x81x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.152 mW/g

Ch4233/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 12.8 V/m; Power Drift = -0.023 dB
Peak SAR (extrapolated) = 0.178 W/kg
SAR(1 g) = 0.127 mW/g; SAR(10 g) = 0.088 mW/g
Maximum value of SAR (measured) = 0.155 mW/g



P41 WCDMA V_RMC12.2_Bottom Side_1cm_Ch4233

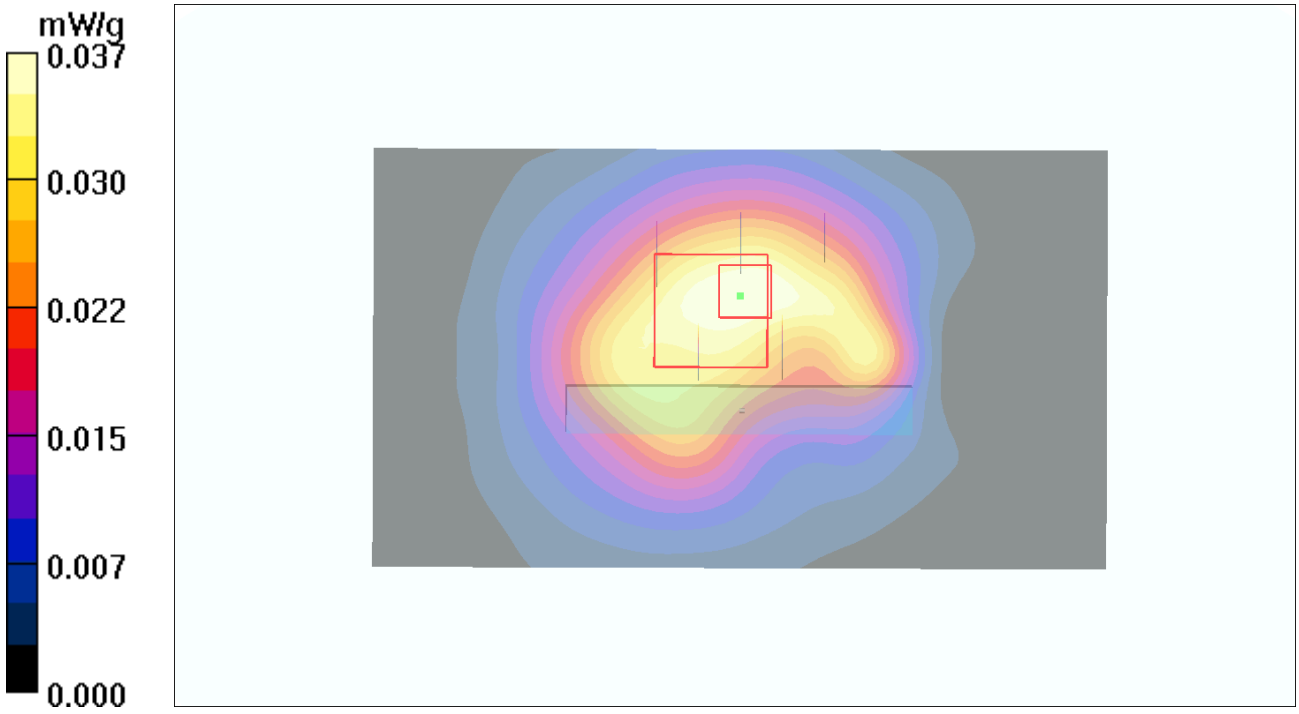
DUT: 120910C04

Communication System: WCDMA; Frequency: 846.6 MHz;Duty Cycle: 1:1
Medium: B835_0924 Medium parameters used: f = 847 MHz; σ = 0.991 mho/m; ε_r = 55.8; ρ = 1000 kg/m^3
Ambient Temperature：21.7 ℃; Liquid Temperature：20.5 ℃

DASY4 Configuration:
- Probe: EX3DV4 - SN3864; ConvF(9.94, 9.94, 9.94); Calibrated: 2012/07/19
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1277; Calibrated: 2012/07/19
- 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

Ch4233/Area Scan (41x71x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.037 mW/g

Ch4233/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 4.39 V/m; Power Drift = 0.102 dB
Peak SAR (extrapolated) = 0.044 W/kg
SAR(1 g) = 0.028 mW/g; SAR(10 g) = 0.018 mW/g
Maximum value of SAR (measured) = 0.037 mW/g



P42 WCDMA V_RMC12.2_Front Face_1cm_Ch4233_Earphone

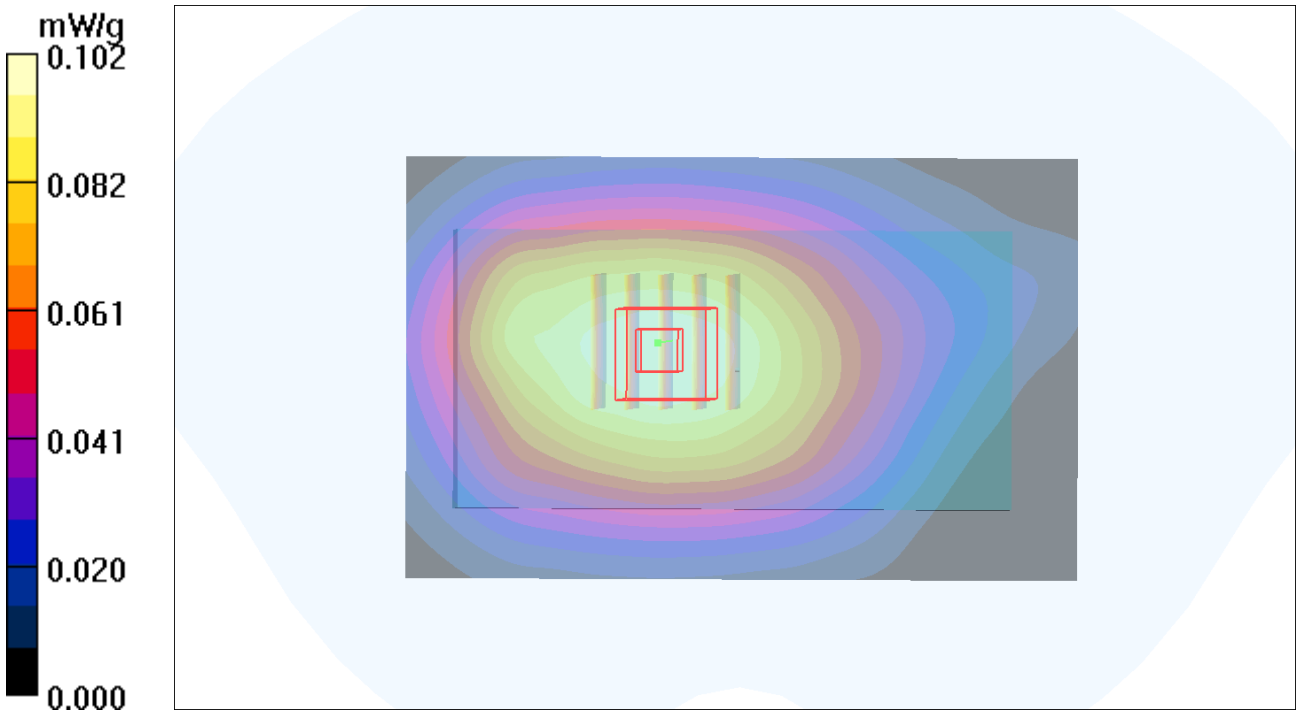
DUT: 120910C04

Communication System: WCDMA; Frequency: 846.6 MHz;Duty Cycle: 1:1
Medium: B835_0924 Medium parameters used: f = 847 MHz; σ = 0.991 mho/m; ε_r = 55.8; ρ = 1000 kg/m^3
Ambient Temperature：21.7 ℃; Liquid Temperature：20.5 ℃

DASY4 Configuration:
- Probe: EX3DV4 - SN3864; ConvF(9.94, 9.94, 9.94); Calibrated: 2012/07/19
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1277; Calibrated: 2012/07/19
- 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

Ch4233/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.102 mW/g

Ch4233/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 9.79 V/m; Power Drift = -0.053 dB
Peak SAR (extrapolated) = 0.117 W/kg
SAR(1 g) = 0.091 mW/g; SAR(10 g) = 0.069 mW/g
Maximum value of SAR (measured) = 0.106 mW/g



P43 WCDMA V_RMC12.2_Rear Face_1cm_Ch4233_Earphone

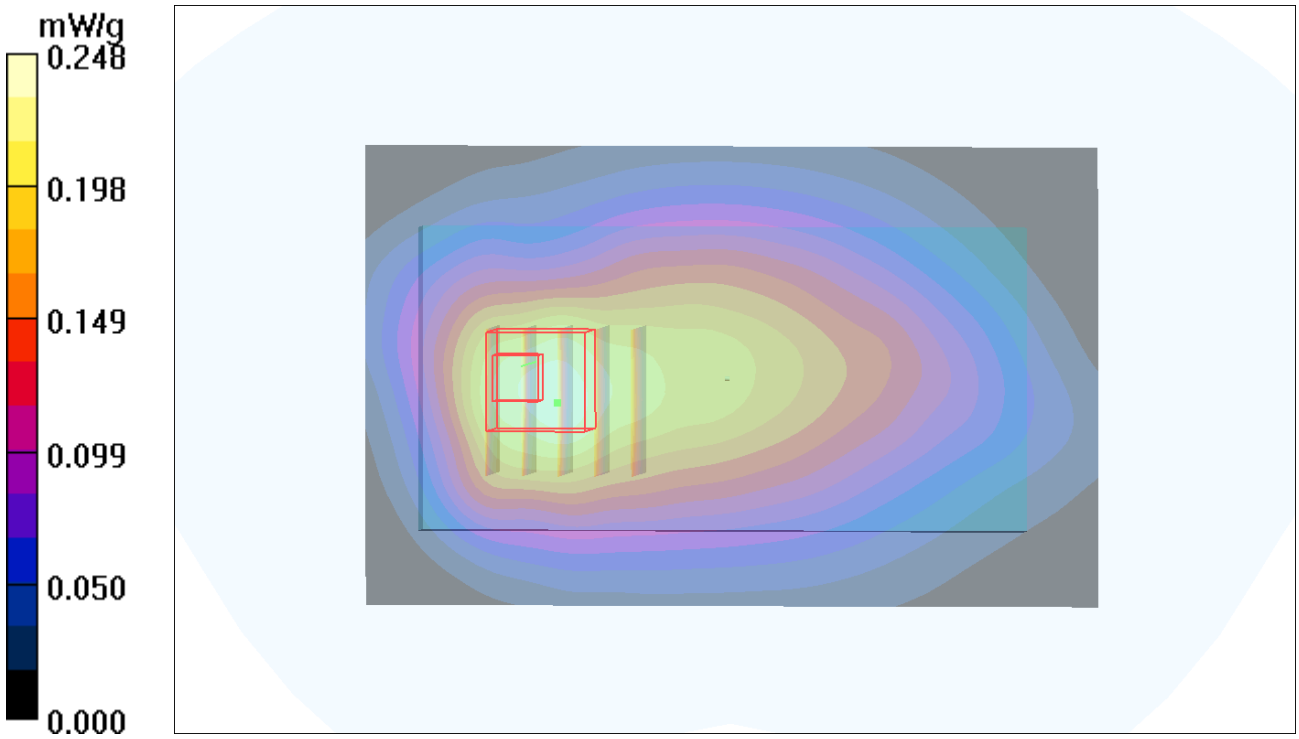
DUT: 120910C04

Communication System: WCDMA; Frequency: 846.6 MHz;Duty Cycle: 1:1
Medium: B835_0924 Medium parameters used: f = 847 MHz; σ = 0.991 mho/m; ε_r = 55.8; ρ = 1000 kg/m^3
Ambient Temperature：21.7 ℃; Liquid Temperature：20.5 ℃

DASY4 Configuration:
- Probe: EX3DV4 - SN3864; ConvF(9.94, 9.94, 9.94); Calibrated: 2012/07/19
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1277; Calibrated: 2012/07/19
- 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

Ch4233/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.248 mW/g

Ch4233/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 14.1 V/m; Power Drift = 0.028 dB
Peak SAR (extrapolated) = 0.415 W/kg
SAR(1 g) = 0.243 mW/g; SAR(10 g) = 0.147 mW/g
Maximum value of SAR (measured) = 0.331 mW/g



P45 WCDMA IV_RMC12.2_Front Face_1cm_Ch1513

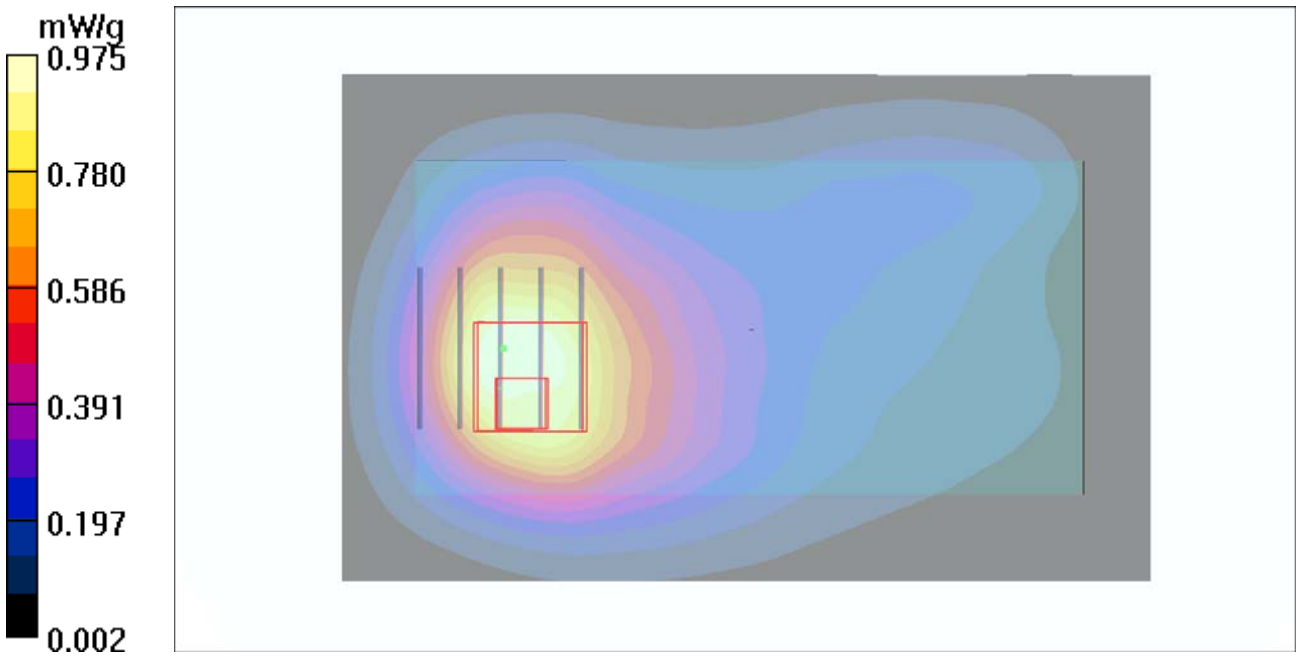
DUT: 120910C04

Communication System: WCDMA; Frequency: 1752.6 MHz;Duty Cycle: 1:1
Medium: B1750_0925 Medium parameters used: f = 1753 MHz; σ = 1.48 mho/m; ε_r = 52.4; ρ = 1000 kg/m^3
Ambient Temperature：21.9 ℃; Liquid Temperature：20.3 ℃

DASY4 Configuration:
- Probe: EX3DV4 - SN3590; ConvF(8.64, 8.64, 8.64); Calibrated: 2012/02/23
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2012/04/27
- Phantom: SAM Phantom_Left; Type: SAM V4.0; Serial: TP 1652
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Ch1513/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.975 mW/g

Ch1513/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 14.1 V/m; Power Drift = 0.055 dB
Peak SAR (extrapolated) = 1.39 W/kg
SAR(1 g) = 0.877 mW/g; SAR(10 g) = 0.526 mW/g
Maximum value of SAR (measured) = 1.14 mW/g



P46 WCDMA IV_RMC12.2_Rear Face_1cm_Ch1513

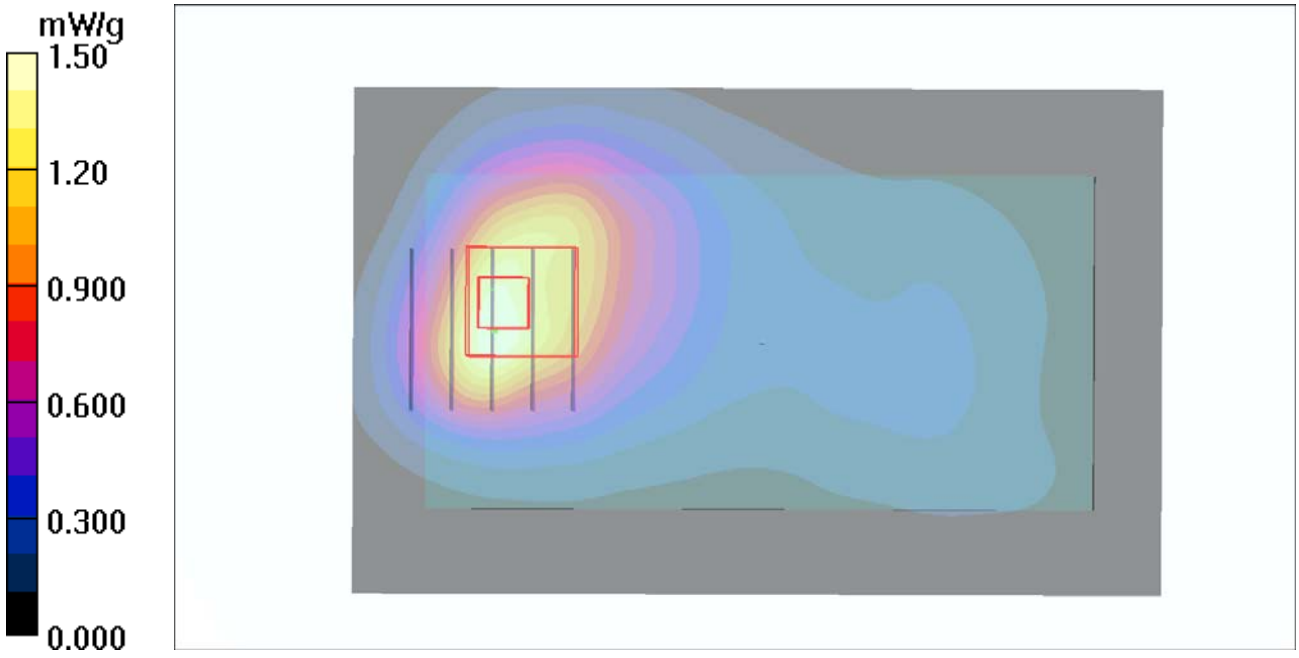
DUT: 120910C04

Communication System: WCDMA; Frequency: 1752.6 MHz;Duty Cycle: 1:1
Medium: B1750_0925 Medium parameters used: f = 1753 MHz; σ = 1.48 mho/m; ε_r = 52.4; ρ = 1000 kg/m^3
Ambient Temperature：21.9 ℃; Liquid Temperature：20.3 ℃

DASY4 Configuration:
- Probe: EX3DV4 - SN3590; ConvF(8.64, 8.64, 8.64); Calibrated: 2012/02/23
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2012/04/27
- Phantom: SAM Phantom_Left; Type: SAM V4.0; Serial: TP 1652
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Ch1513/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 1.50 mW/g

Ch1513/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 13.0 V/m; Power Drift = -0.041 dB
Peak SAR (extrapolated) = 1.86 W/kg
SAR(1 g) = 1.04 mW/g; SAR(10 g) = 0.618 mW/g
Maximum value of SAR (measured) = 1.44 mW/g



P47 WCDMA IV_RMC12.2_Left Side_1cm_Ch1513

DUT: 120910C04

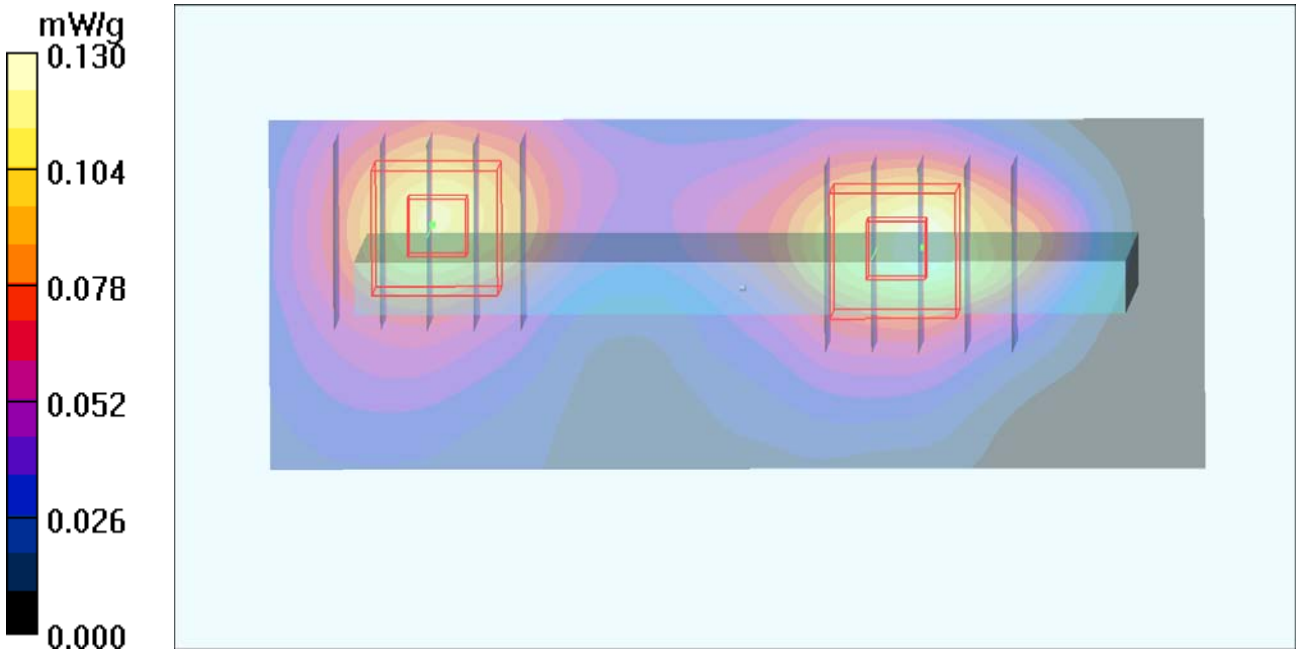
Communication System: WCDMA; Frequency: 1752.6 MHz;Duty Cycle: 1:1
Medium: B1750_0925 Medium parameters used: f = 1753 MHz; σ = 1.48 mho/m; ε_r = 52.4; ρ = 1000 kg/m^3
Ambient Temperature：21.9 ℃; Liquid Temperature：20.3 ℃

DASY4 Configuration:
- Probe: EX3DV4 - SN3590; ConvF(8.64, 8.64, 8.64); Calibrated: 2012/02/23
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2012/04/27
- Phantom: SAM Phantom_Left; Type: SAM V4.0; Serial: TP 1652
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Ch1513/Area Scan (31x81x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.130 mW/g

Ch1513/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 6.12 V/m; Power Drift = 0.157 dB
Peak SAR (extrapolated) = 0.139 W/kg
SAR(1 g) = 0.090 mW/g; SAR(10 g) = 0.056 mW/g
Maximum value of SAR (measured) = 0.116 mW/g

Ch1513/Zoom Scan (5x5x7)/Cube 1: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 6.12 V/m; Power Drift = 0.157 dB
Peak SAR (extrapolated) = 0.137 W/kg
SAR(1 g) = 0.089 mW/g; SAR(10 g) = 0.054 mW/g



P48 WCDMA IV_RMC12.2_Right Side_1cm_Ch1513

DUT: 120910C04

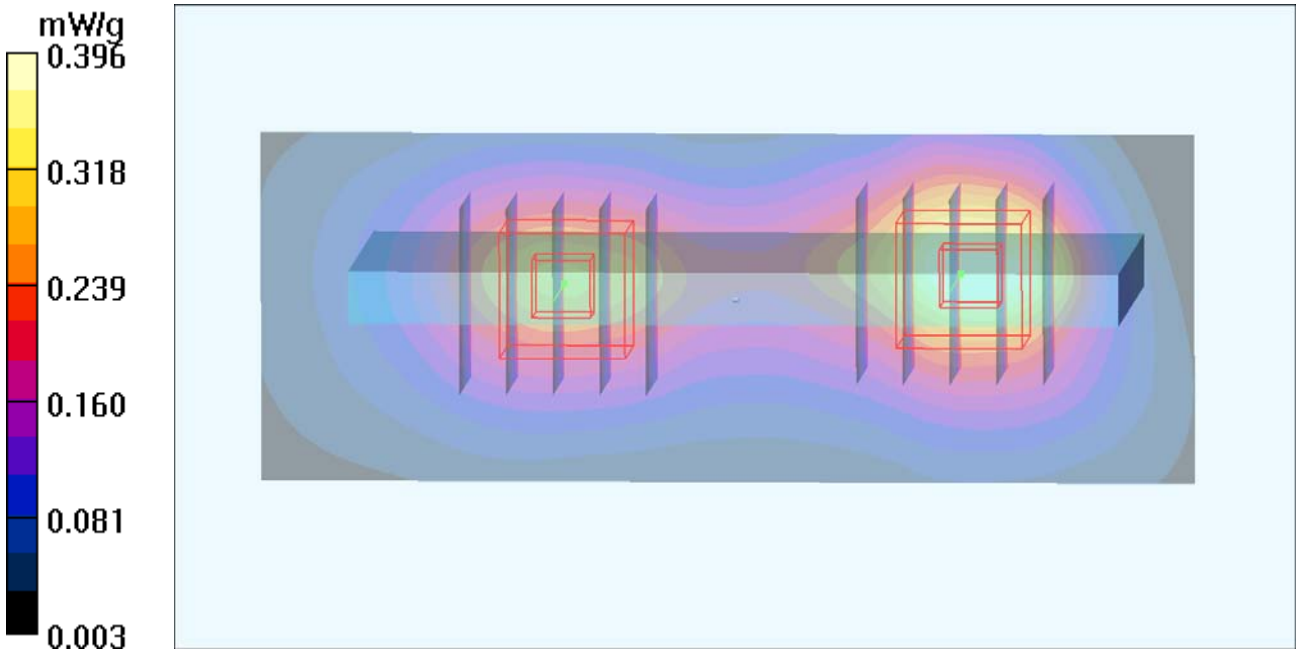
Communication System: WCDMA; Frequency: 1752.6 MHz;Duty Cycle: 1:1
Medium: B1750_0925 Medium parameters used: f = 1753 MHz; σ = 1.48 mho/m; ε_r = 52.4; ρ = 1000 kg/m^3
Ambient Temperature：21.9 ℃; Liquid Temperature：20.3 ℃

DASY4 Configuration:
- Probe: EX3DV4 - SN3590; ConvF(8.64, 8.64, 8.64); Calibrated: 2012/02/23
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2012/04/27
- Phantom: SAM Phantom_Left; Type: SAM V4.0; Serial: TP 1652
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Ch1513/Area Scan (31x81x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.396 mW/g

Ch1513/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 11.7 V/m; Power Drift = 0.026 dB
Peak SAR (extrapolated) = 0.476 W/kg
SAR(1 g) = 0.304 mW/g; SAR(10 g) = 0.183 mW/g
Maximum value of SAR (measured) = 0.395 mW/g

Ch1513/Zoom Scan (5x5x7)/Cube 1: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 11.7 V/m; Power Drift = 0.026 dB
Peak SAR (extrapolated) = 0.367 W/kg
SAR(1 g) = 0.235 mW/g; SAR(10 g) = 0.144 mW/g
Maximum value of SAR (measured) = 0.307 mW/g



P49 WCDMA IV_RMC12.2_Bottom Side_1cm_Ch1513

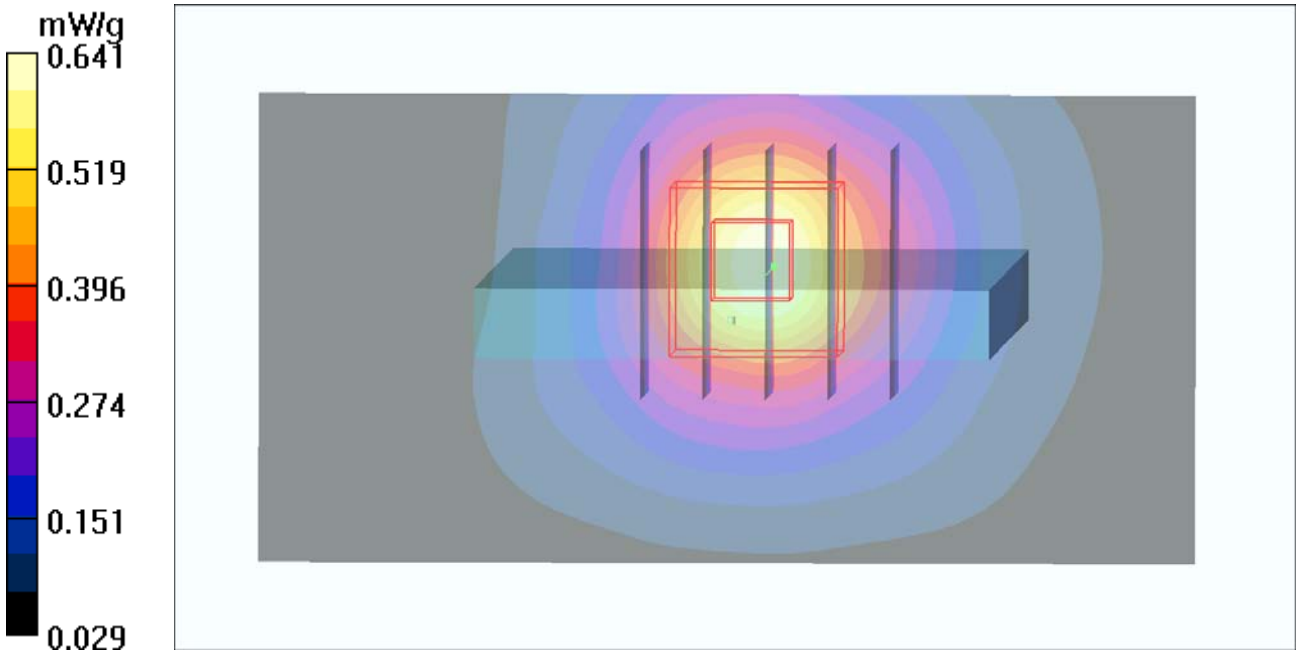
DUT: 120910C04

Communication System: WCDMA; Frequency: 1752.6 MHz;Duty Cycle: 1:1
Medium: B1750_0925 Medium parameters used: f = 1753 MHz; σ = 1.48 mho/m; ε_r = 52.4; ρ = 1000 kg/m^3
Ambient Temperature：21.9 ℃； Liquid Temperature：20.3 ℃

DASY4 Configuration:
- Probe: EX3DV4 - SN3590; ConvF(8.64, 8.64, 8.64); Calibrated: 2012/02/23
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2012/04/27
- Phantom: SAM Phantom_Left; Type: SAM V4.0; Serial: TP 1652
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Ch1513/Area Scan (31x61x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.641 mW/g

Ch1513/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 18.4 V/m; Power Drift = 0.187 dB
Peak SAR (extrapolated) = 0.728 W/kg
SAR(1 g) = 0.462 mW/g; SAR(10 g) = 0.272 mW/g
Maximum value of SAR (measured) = 0.591 mW/g



P67 WCDMA IV_RMC12.2_Front Face_1cm_Ch1312

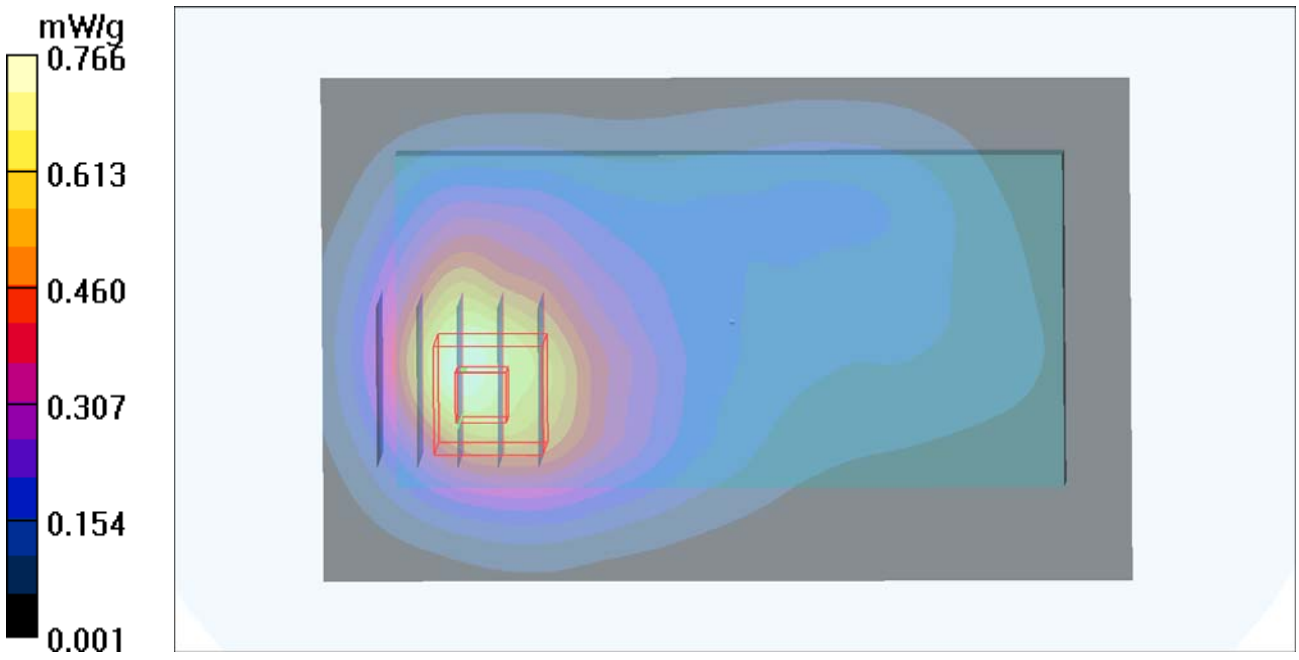
DUT: 120910C04

Communication System: WCDMA; Frequency: 1712.4 MHz;Duty Cycle: 1:1
Medium: B1750_0925 Medium parameters used: f = 1712.4 MHz; σ = 1.44 mho/m; ε_r = 52.5; ρ = 1000 kg/m^3
Ambient Temperature：21.9 ℃; Liquid Temperature：20.3 ℃

DASY4 Configuration:
- Probe: EX3DV4 - SN3590; ConvF(8.64, 8.64, 8.64); Calibrated: 2012/02/23
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2012/04/27
- Phantom: SAM Phantom_Left; Type: SAM V4.0; Serial: TP 1652
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Ch1312/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.766 mW/g

Ch1312/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 11.1 V/m; Power Drift = -0.153 dB
Peak SAR (extrapolated) = 0.902 W/kg
SAR(1 g) = 0.581 mW/g; SAR(10 g) = 0.356 mW/g
Maximum value of SAR (measured) = 0.721 mW/g



P68 WCDMA IV_RMC12.2_Front Face_1cm_Ch1413

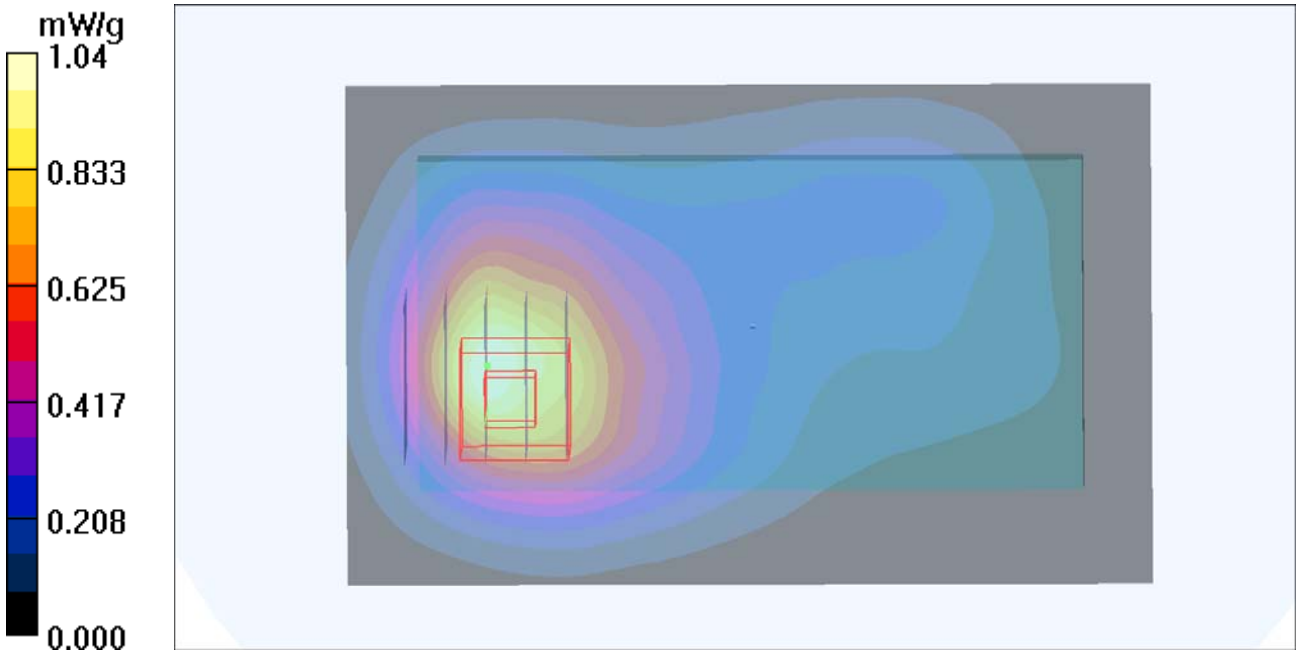
DUT: 120910C04

Communication System: WCDMA; Frequency: 1732.6 MHz;Duty Cycle: 1:1
Medium: B1750_0925 Medium parameters used: f = 1733 MHz; σ = 1.46 mho/m; ε_r = 52.4; ρ = 1000 kg/m^3
Ambient Temperature：21.9 ℃; Liquid Temperature：20.3 ℃

DASY4 Configuration:
- Probe: EX3DV4 - SN3590; ConvF(8.64, 8.64, 8.64); Calibrated: 2012/02/23
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2012/04/27
- Phantom: SAM Phantom_Left; Type: SAM V4.0; Serial: TP 1652
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Ch1413/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 1.04 mW/g

Ch1413/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 12.7 V/m; Power Drift = 0.014 dB
Peak SAR (extrapolated) = 1.26 W/kg
SAR(1 g) = 0.812 mW/g; SAR(10 g) = 0.499 mW/g
Maximum value of SAR (measured) = 1.02 mW/g



P71 WCDMA IV_RMC12.2_Rear Face_1cm_Ch1312

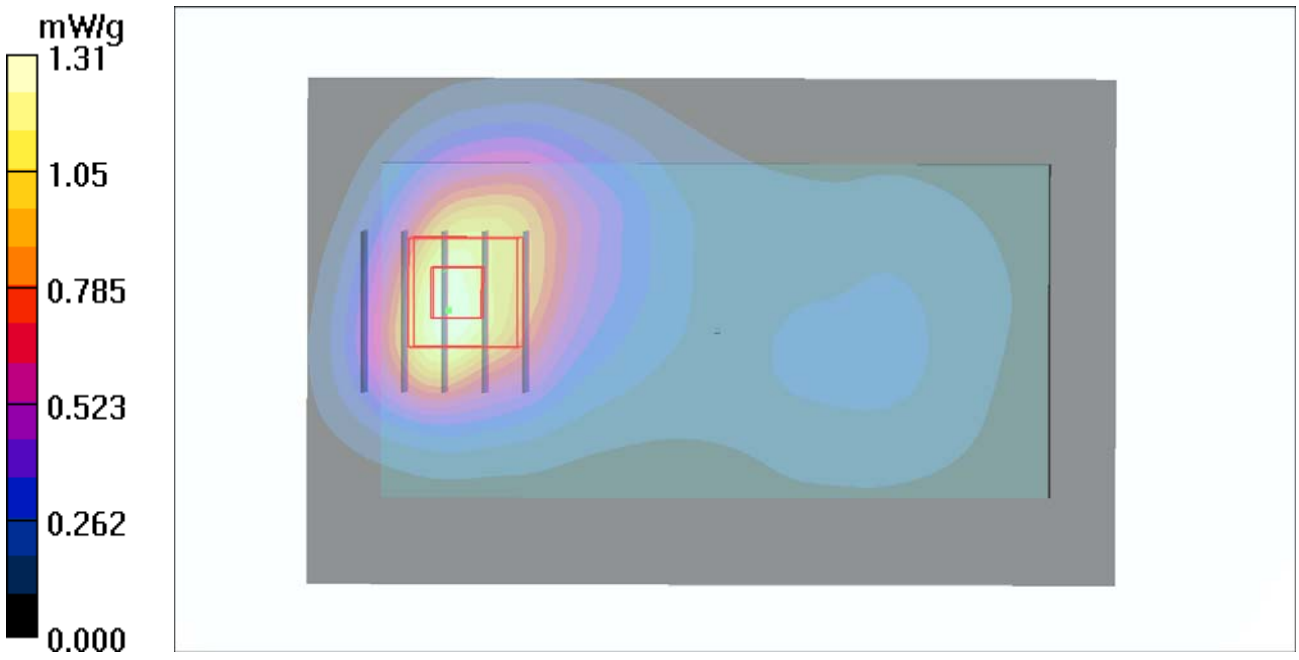
DUT: 120910C04

Communication System: WCDMA; Frequency: 1712.4 MHz;Duty Cycle: 1:1
Medium: B1750_0925 Medium parameters used: f = 1712.4 MHz; σ = 1.44 mho/m; ε_r = 52.5; ρ = 1000 kg/m^3
Ambient Temperature：21.9 ℃; Liquid Temperature：20.3 ℃

DASY4 Configuration:
- Probe: EX3DV4 - SN3590; ConvF(8.64, 8.64, 8.64); Calibrated: 2012/02/23
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2012/04/27
- Phantom: SAM Phantom_Left; Type: SAM V4.0; Serial: TP 1652
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Ch1312/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 1.31 mW/g

Ch1312/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 10.7 V/m; Power Drift = -0.050 dB
Peak SAR (extrapolated) = 1.68 W/kg
SAR(1 g) = 0.940 mW/g; SAR(10 g) = 0.544 mW/g
Maximum value of SAR (measured) = 1.29 mW/g



P72 WCDMA IV_RMC12.2_Rear Face_1cm_Ch1413

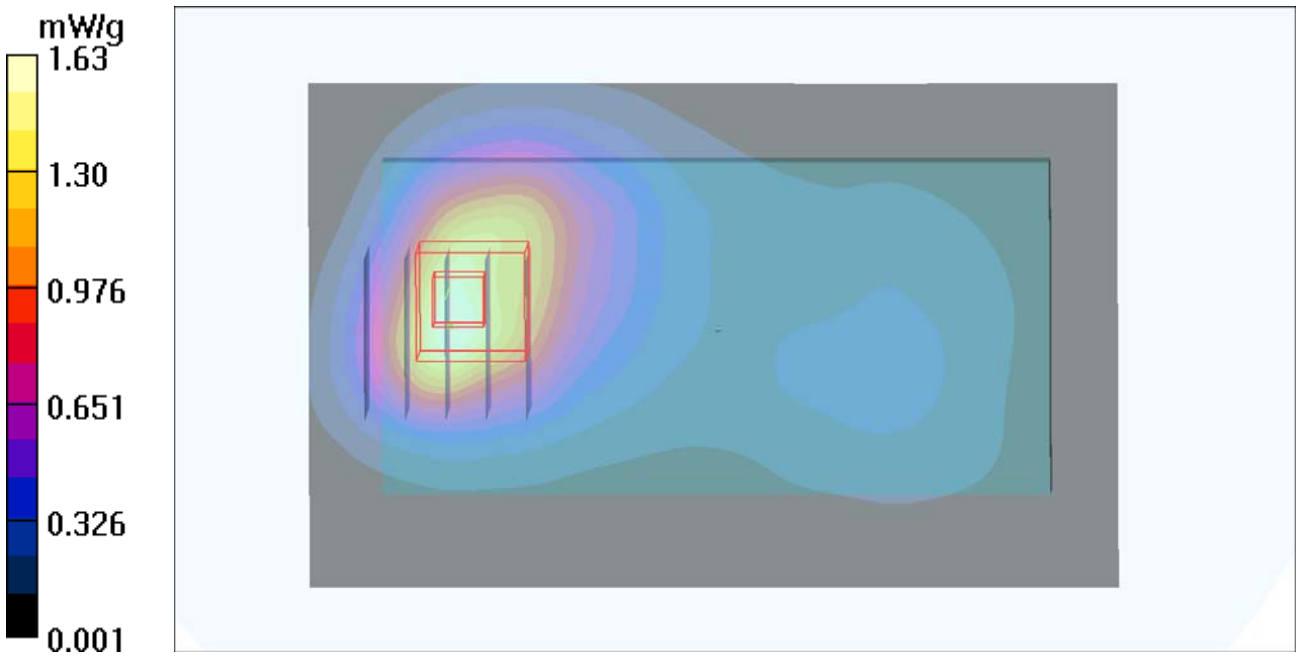
DUT: 120910C04

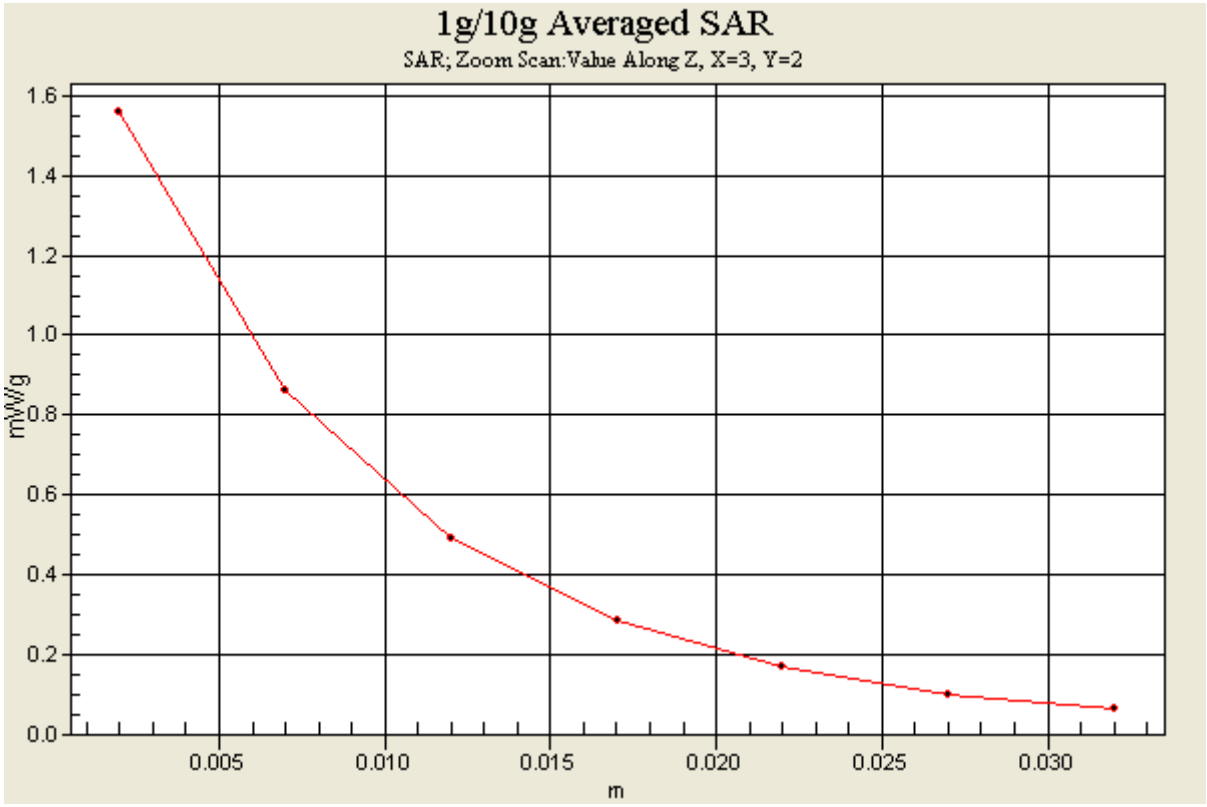
Communication System: WCDMA; Frequency: 1732.6 MHz;Duty Cycle: 1:1
Medium: B1750_0925 Medium parameters used: f = 1733 MHz; σ = 1.46 mho/m; ε_r = 52.4; ρ = 1000 kg/m^3
Ambient Temperature：21.9 ℃; Liquid Temperature：20.3 ℃

DASY4 Configuration:
- Probe: EX3DV4 - SN3590; ConvF(8.64, 8.64, 8.64); Calibrated: 2012/02/23
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2012/04/27
- Phantom: SAM Phantom_Left; Type: SAM V4.0; Serial: TP 1652
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Ch1413/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 1.63 mW/g

Ch1413/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 12.1 V/m; Power Drift = 0.023 dB
Peak SAR (extrapolated) = 2.01 W/kg
SAR(1 g) = 1.14 mW/g; SAR(10 g) = 0.666 mW/g
Maximum value of SAR (measured) = 1.56 mW/g




1g/10g Averaged SAR
SAR; Zoom Scan:Value Along Z, X=3, Y=2
mW/g
1.6
1.4
1.2
1.0
0.8
0.6
0.4
0.2
0.0
0.005
0.010
0.015
0.020
0.025
0.030
m

P50 WCDMA IV_RMC12.2_Front Face_1cm_Ch1513_Earphone

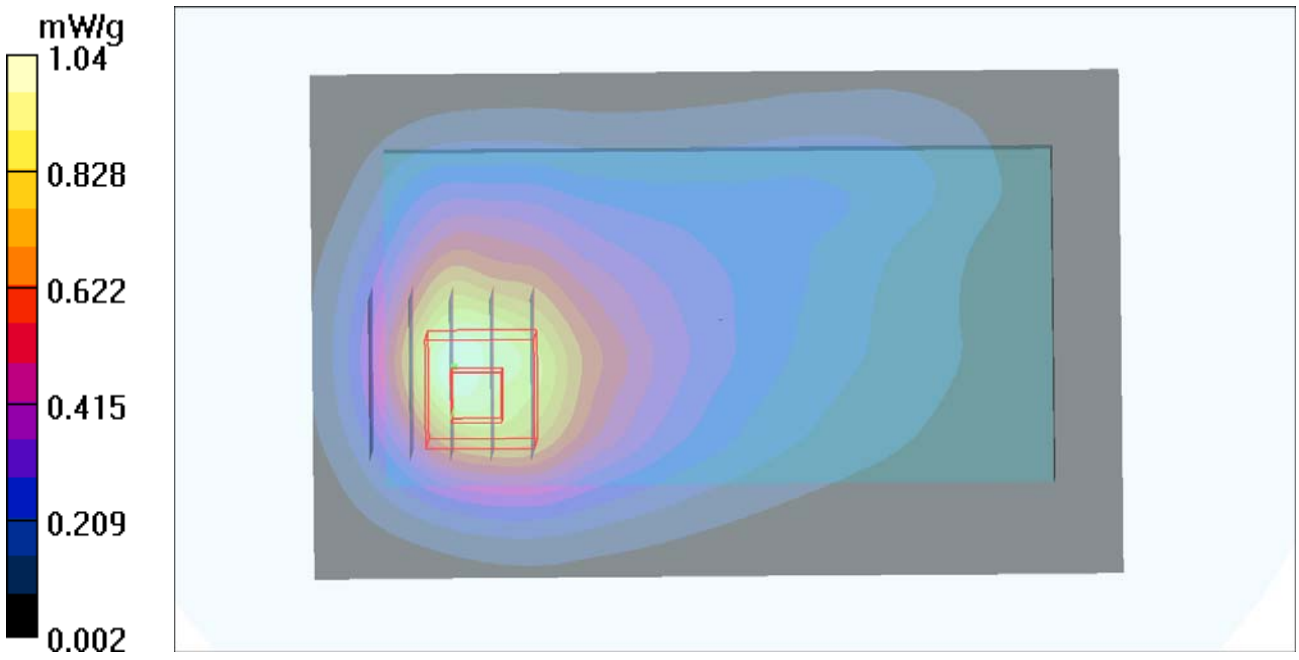
DUT: 120910C04

Communication System: WCDMA; Frequency: 1752.6 MHz;Duty Cycle: 1:1
Medium: B1750_0925 Medium parameters used: f = 1753 MHz; σ = 1.48 mho/m; ε_r = 52.4; ρ = 1000 kg/m^3
Ambient Temperature：21.9 ℃; Liquid Temperature：20.3 ℃

DASY4 Configuration:
- Probe: EX3DV4 - SN3590; ConvF(8.64, 8.64, 8.64); Calibrated: 2012/02/23
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2012/04/27
- Phantom: SAM Phantom_Left; Type: SAM V4.0; Serial: TP 1652
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Ch1513/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 1.04 mW/g

Ch1513/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 14.3 V/m; Power Drift = 0.164 dB
Peak SAR (extrapolated) = 1.27 W/kg
SAR(1 g) = 0.811 mW/g; SAR(10 g) = 0.491 mW/g
Maximum value of SAR (measured) = 1.01 mW/g



P51 WCDMA IV_RMC12.2_Rear Face_1cm_Ch1513_Earphone

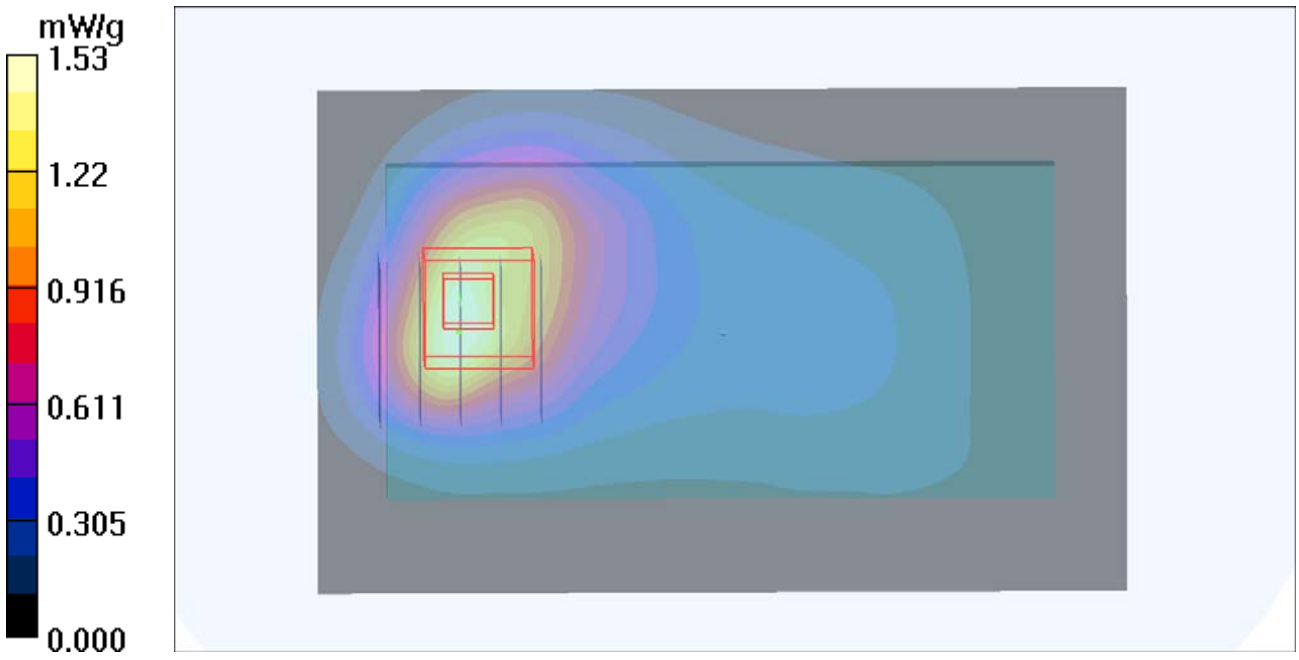
DUT: 120910C04

Communication System: WCDMA; Frequency: 1752.6 MHz;Duty Cycle: 1:1
Medium: B1750_0925 Medium parameters used: f = 1753 MHz; σ = 1.48 mho/m; ε_r = 52.4; ρ = 1000 kg/m^3
Ambient Temperature：21.9 ℃; Liquid Temperature：20.3 ℃

DASY4 Configuration:
- Probe: EX3DV4 - SN3590; ConvF(8.64, 8.64, 8.64); Calibrated: 2012/02/23
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2012/04/27
- Phantom: SAM Phantom_Left; Type: SAM V4.0; Serial: TP 1652
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Ch1513/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 1.53 mW/g

Ch1513/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 13.9 V/m; Power Drift = 0.018 dB
Peak SAR (extrapolated) = 1.92 W/kg
SAR(1 g) = 1.07 mW/g; SAR(10 g) = 0.621 mW/g
Maximum value of SAR (measured) = 1.50 mW/g



P69 WCDMA IV_RMC12.2_Front Face_1cm_Ch1312_Earphone

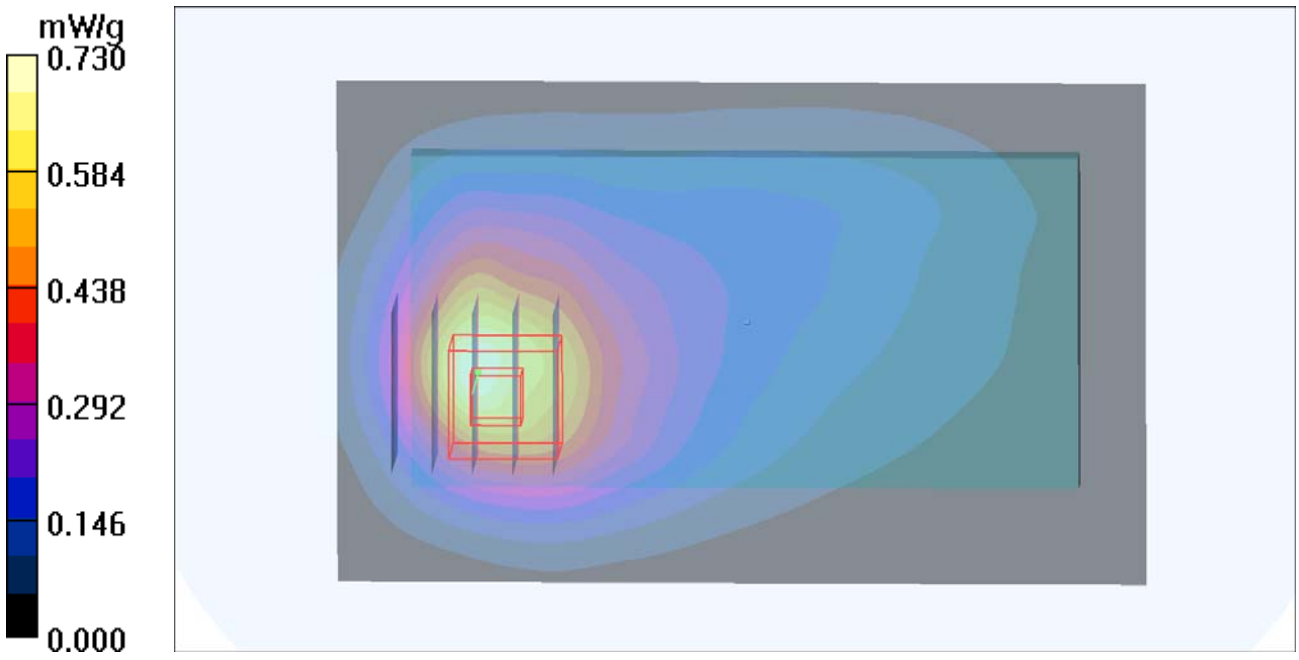
DUT: 120910C04

Communication System: WCDMA; Frequency: 1712.4 MHz;Duty Cycle: 1:1
Medium: B1750_0925 Medium parameters used: f = 1712.4 MHz; σ = 1.44 mho/m; ε_r = 52.5; ρ = 1000 kg/m^3
Ambient Temperature：21.9 ℃; Liquid Temperature：20.3 ℃

DASY4 Configuration:
- Probe: EX3DV4 - SN3590; ConvF(8.64, 8.64, 8.64); Calibrated: 2012/02/23
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2012/04/27
- Phantom: SAM Phantom_Left; Type: SAM V4.0; Serial: TP 1652
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Ch1312/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.730 mW/g

Ch1312/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 11.5 V/m; Power Drift = -0.054 dB
Peak SAR (extrapolated) = 0.850 W/kg
SAR(1 g) = 0.549 mW/g; SAR(10 g) = 0.333 mW/g
Maximum value of SAR (measured) = 0.688 mW/g



P70 WCDMA IV_RMC12.2_Front Face_1cm_Ch1413_Earphone

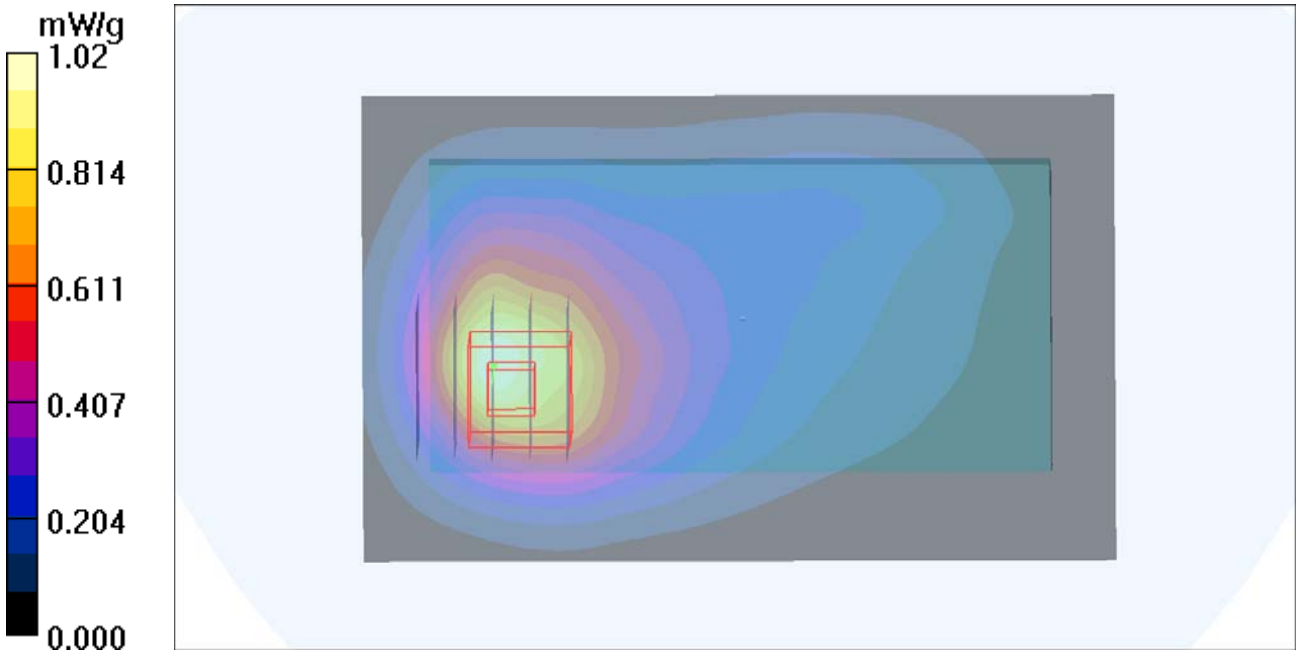
DUT: 120910C04

Communication System: WCDMA; Frequency: 1732.6 MHz;Duty Cycle: 1:1
Medium: B1750_0925 Medium parameters used: f = 1733 MHz; σ = 1.46 mho/m; ε_r = 52.4; ρ = 1000 kg/m^3
Ambient Temperature：21.9 ℃; Liquid Temperature：20.3 ℃

DASY4 Configuration:
- Probe: EX3DV4 - SN3590; ConvF(8.64, 8.64, 8.64); Calibrated: 2012/02/23
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2012/04/27
- Phantom: SAM Phantom_Left; Type: SAM V4.0; Serial: TP 1652
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Ch1413/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 1.02 mW/g

Ch1413/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 13.6 V/m; Power Drift = 0.103 dB
Peak SAR (extrapolated) = 1.21 W/kg
SAR(1 g) = 0.772 mW/g; SAR(10 g) = 0.474 mW/g
Maximum value of SAR (measured) = 0.961 mW/g



P73 WCDMA IV_RMC12.2_Rear Face_1cm_Ch1312_Earphone

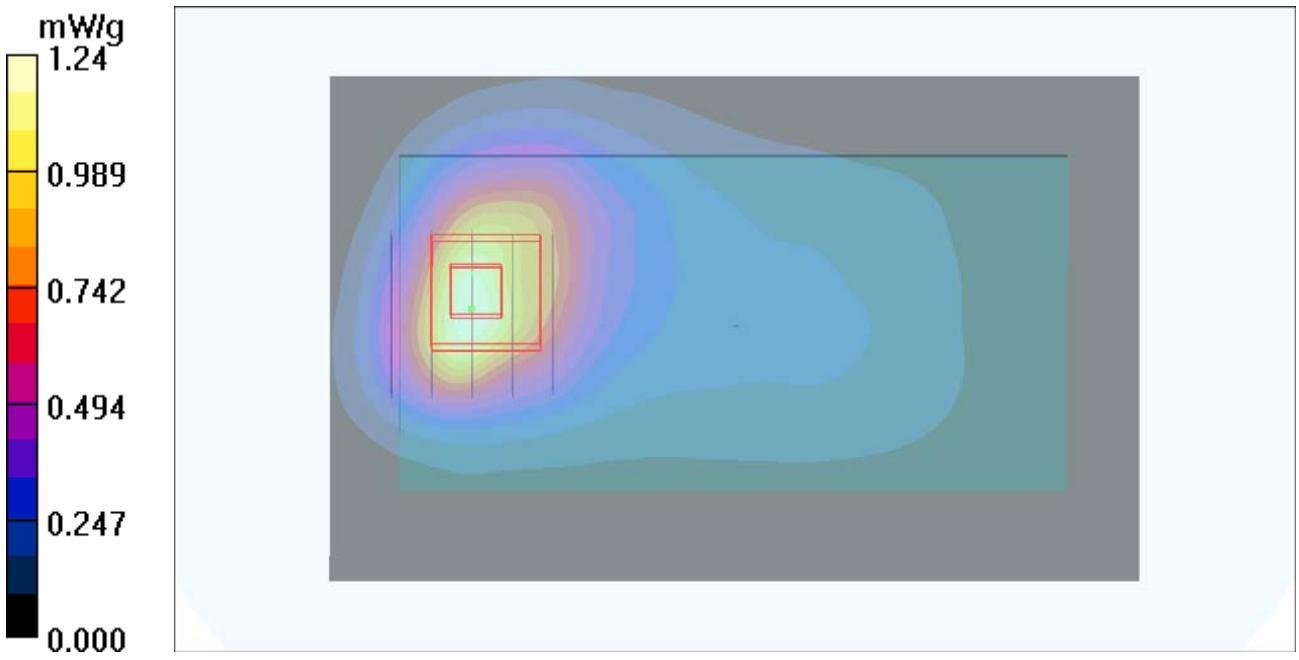
DUT: 120910C04

Communication System: WCDMA; Frequency: 1712.4 MHz;Duty Cycle: 1:1
Medium: B1750_0925 Medium parameters used: f = 1712.4 MHz; σ = 1.44 mho/m; ε_r = 52.5; ρ = 1000 kg/m^3
Ambient Temperature：21.9 ℃； Liquid Temperature：20.3 ℃

DASY4 Configuration:
- Probe: EX3DV4 - SN3590; ConvF(8.64, 8.64, 8.64); Calibrated: 2012/02/23
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2012/04/27
- Phantom: SAM Phantom_Left; Type: SAM V4.0; Serial: TP 1652
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Ch1312/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 1.24 mW/g

Ch1312/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 11.9 V/m; Power Drift = -0.065 dB
Peak SAR (extrapolated) = 1.55 W/kg
SAR(1 g) = 0.869 mW/g; SAR(10 g) = 0.492 mW/g
Maximum value of SAR (measured) = 1.20 mW/g



P74 WCDMA IV_RMC12.2_Rear Face_1cm_Ch1413_Earphone

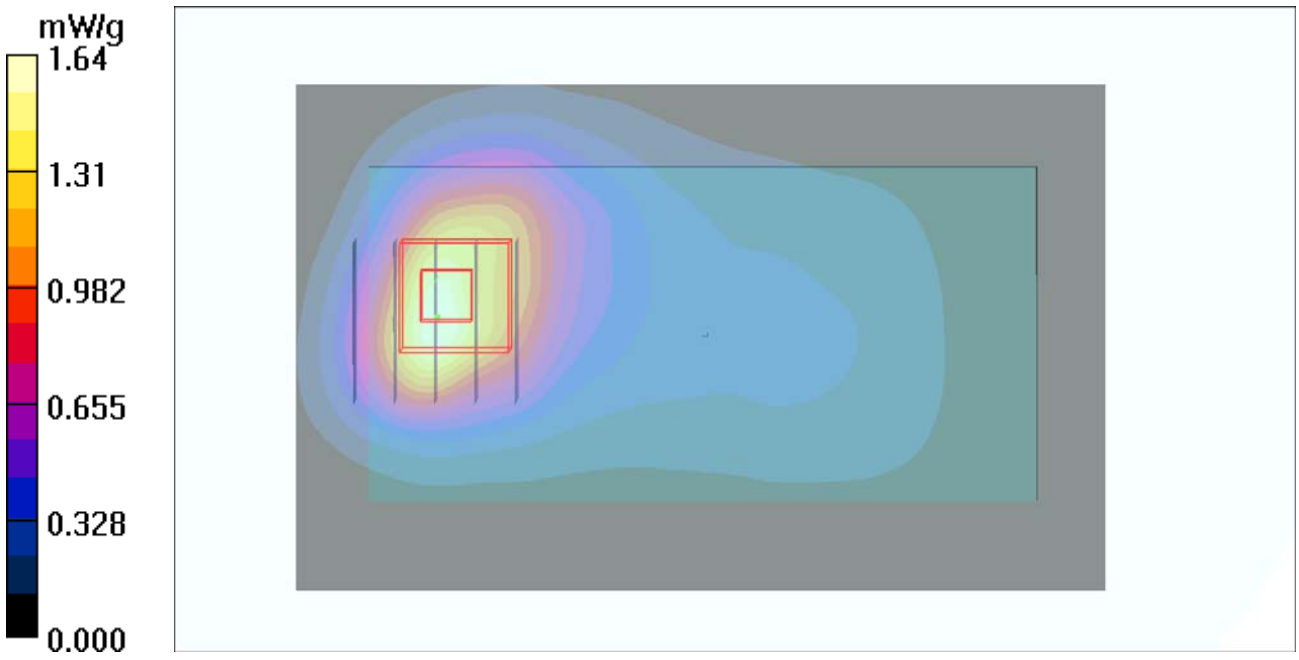
DUT: 120910C04

Communication System: WCDMA; Frequency: 1732.6 MHz;Duty Cycle: 1:1
Medium: B1750_0925 Medium parameters used: f = 1733 MHz; σ = 1.46 mho/m; ε_r = 52.4; ρ = 1000 kg/m^3
Ambient Temperature：21.9 ℃; Liquid Temperature：20.3 ℃

DASY4 Configuration:
- Probe: EX3DV4 - SN3590; ConvF(8.64, 8.64, 8.64); Calibrated: 2012/02/23
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2012/04/27
- Phantom: SAM Phantom_Left; Type: SAM V4.0; Serial: TP 1652
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Ch1413/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 1.64 mW/g

Ch1413/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 13.4 V/m; Power Drift = 0.113 dB
Peak SAR (extrapolated) = 2.02 W/kg
SAR(1 g) = 1.13 mW/g; SAR(10 g) = 0.650 mW/g
Maximum value of SAR (measured) = 1.56 mW/g



P54 WCDMA II_RMC12.2_Front Face_1cm_Ch9538

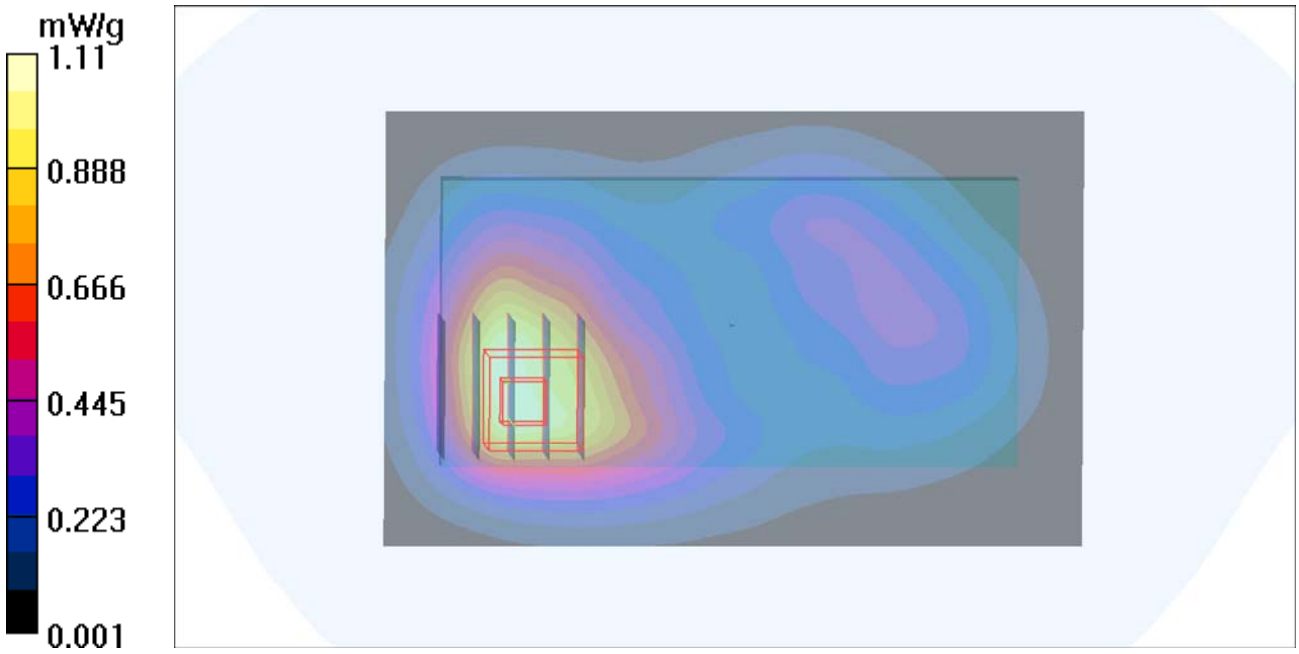
DUT: 120910C04

Communication System: WCDMA; Frequency: 1907.6 MHz;Duty Cycle: 1:1
Medium: B1900_0925 Medium parameters used: f = 1908 MHz; σ = 1.55 mho/m; ε_r = 52.8; ρ = 1000 kg/m^3
Ambient Temperature：21.9 ℃; Liquid Temperature：20.3 ℃

DASY4 Configuration:
- Probe: EX3DV4 - SN3590; ConvF(8.07, 8.07, 8.07); Calibrated: 2012/02/23
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2012/04/27
- Phantom: SAM Phantom_Left; Type: SAM V4.0; Serial: TP 1652
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Ch9538/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 1.11 mW/g

Ch9538/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 11.1 V/m; Power Drift = -0.097 dB
Peak SAR (extrapolated) = 1.39 W/kg
SAR(1 g) = 0.868 mW/g; SAR(10 g) = 0.517 mW/g
Maximum value of SAR (measured) = 1.12 mW/g



P55 WCDMA II_RMC12.2_Rear Face_1cm_Ch9538

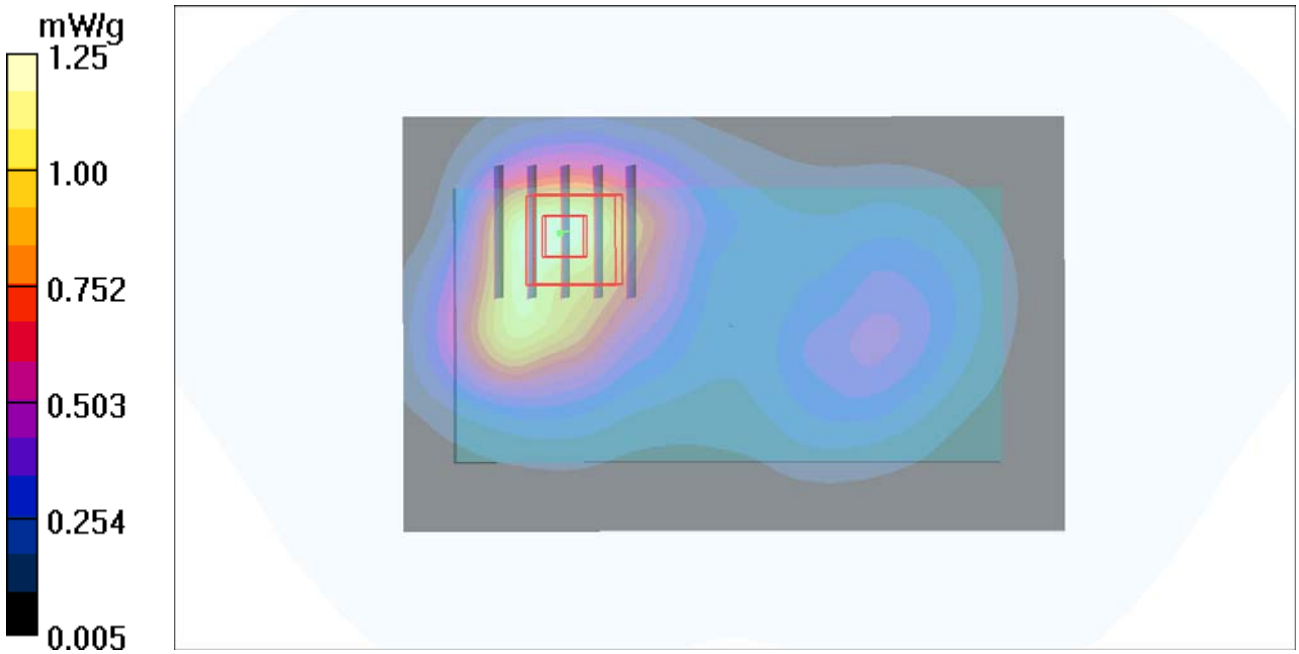
DUT: 120910C04

Communication System: WCDMA; Frequency: 1907.6 MHz;Duty Cycle: 1:1
Medium: B1900_0925 Medium parameters used: f = 1908 MHz; σ = 1.55 mho/m; ε_r = 52.8; ρ = 1000 kg/m^3
Ambient Temperature：21.9 ℃; Liquid Temperature：20.3 ℃

DASY4 Configuration:
- Probe: EX3DV4 - SN3590; ConvF(8.07, 8.07, 8.07); Calibrated: 2012/02/23
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2012/04/27
- Phantom: SAM Phantom_Left; Type: SAM V4.0; Serial: TP 1652
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Ch9538/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 1.25 mW/g

Ch9538/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 11.1 V/m; Power Drift = 0.112 dB
Peak SAR (extrapolated) = 1.46 W/kg
SAR(1 g) = 0.923 mW/g; SAR(10 g) = 0.553 mW/g
Maximum value of SAR (measured) = 1.21 mW/g



P56 WCDMA II_RMC12.2_Left Side_1cm_Ch9538

DUT: 120910C04

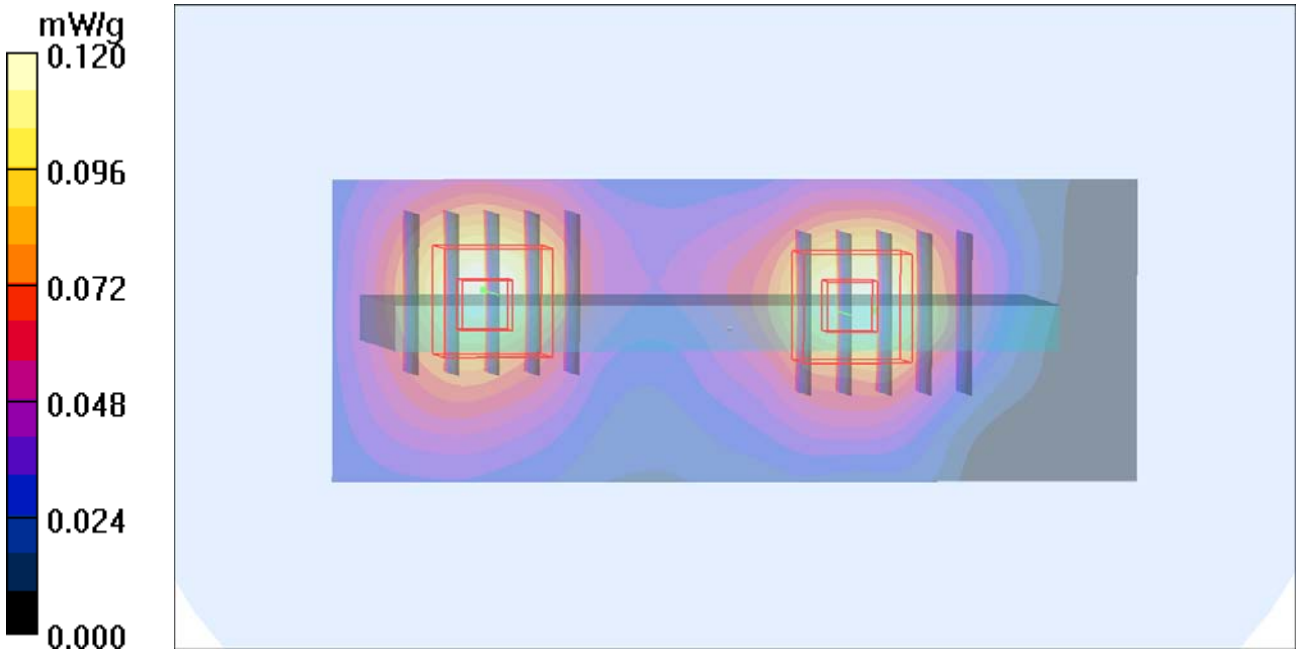
Communication System: WCDMA; Frequency: 1907.6 MHz;Duty Cycle: 1:1
Medium: B1900_0925 Medium parameters used: f = 1908 MHz; σ = 1.55 mho/m; ε_r = 52.8; ρ = 1000 kg/m^3
Ambient Temperature：21.9 ℃; Liquid Temperature：20.3 ℃

DASY4 Configuration:
- Probe: EX3DV4 - SN3590; ConvF(8.07, 8.07, 8.07); Calibrated: 2012/02/23
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2012/04/27
- Phantom: SAM Phantom_Left; Type: SAM V4.0; Serial: TP 1652
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Ch9538/Area Scan (31x81x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.120 mW/g

Ch9538/Zoom Scan (5x5x7)/Cube 1: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 6.53 V/m; Power Drift = 0.159 dB
Peak SAR (extrapolated) = 0.148 W/kg
SAR(1 g) = 0.094 mW/g; SAR(10 g) = 0.055 mW/g
Maximum value of SAR (measured) = 0.124 mW/g

Ch9538/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 6.53 V/m; Power Drift = 0.159 dB
Peak SAR (extrapolated) = 0.147 W/kg
SAR(1 g) = 0.091 mW/g; SAR(10 g) = 0.054 mW/g
Maximum value of SAR (measured) = 0.120 mW/g



P57 WCDMA II_RMC12.2_Right Side_1cm_Ch9538

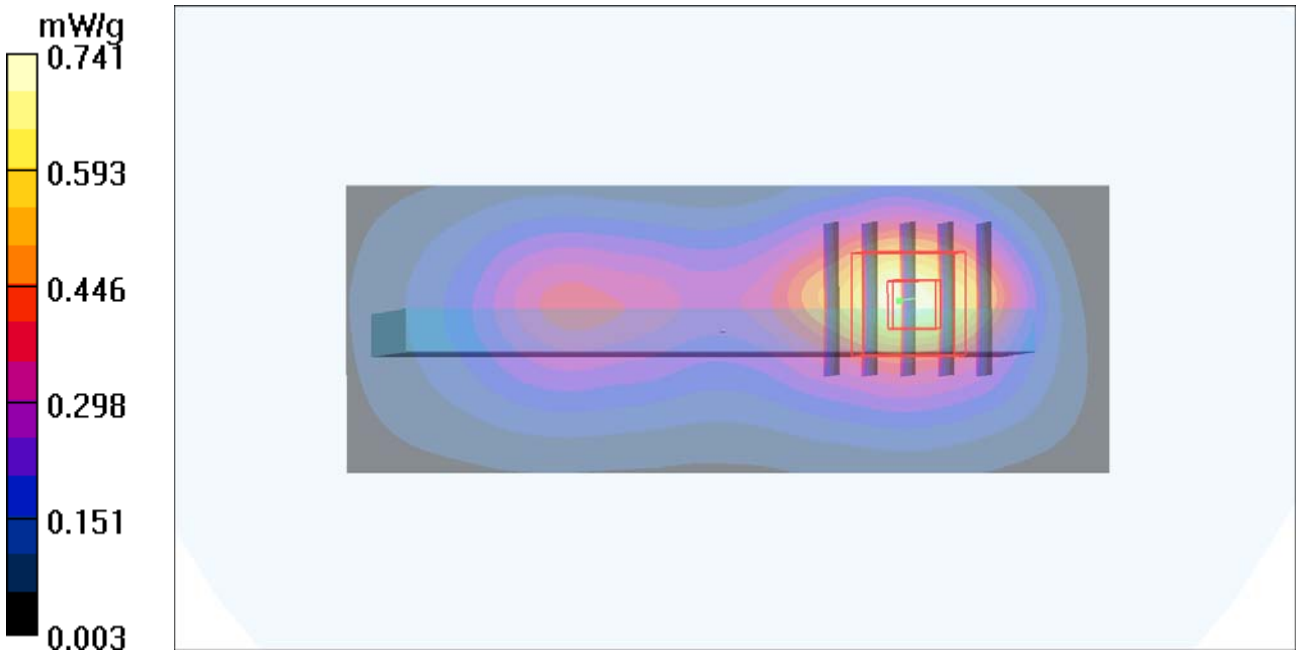
DUT: 120910C04

Communication System: WCDMA; Frequency: 1907.6 MHz;Duty Cycle: 1:1
Medium: B1900_0925 Medium parameters used: f = 1908 MHz; σ = 1.55 mho/m; ε_r = 52.8; ρ = 1000 kg/m^3
Ambient Temperature：21.9 ℃; Liquid Temperature：20.3 ℃

DASY4 Configuration:
- Probe: EX3DV4 - SN3590; ConvF(8.07, 8.07, 8.07); Calibrated: 2012/02/23
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2012/04/27
- Phantom: SAM Phantom_Left; Type: SAM V4.0; Serial: TP 1652
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Ch9538/Area Scan (31x81x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.741 mW/g

Ch9538/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 14.3 V/m; Power Drift = 0.022 dB
Peak SAR (extrapolated) = 0.879 W/kg
SAR(1 g) = 0.534 mW/g; SAR(10 g) = 0.309 mW/g
Maximum value of SAR (measured) = 0.711 mW/g



P58 WCDMA II_RMC12.2_Bottom Side_1cm_Ch9538

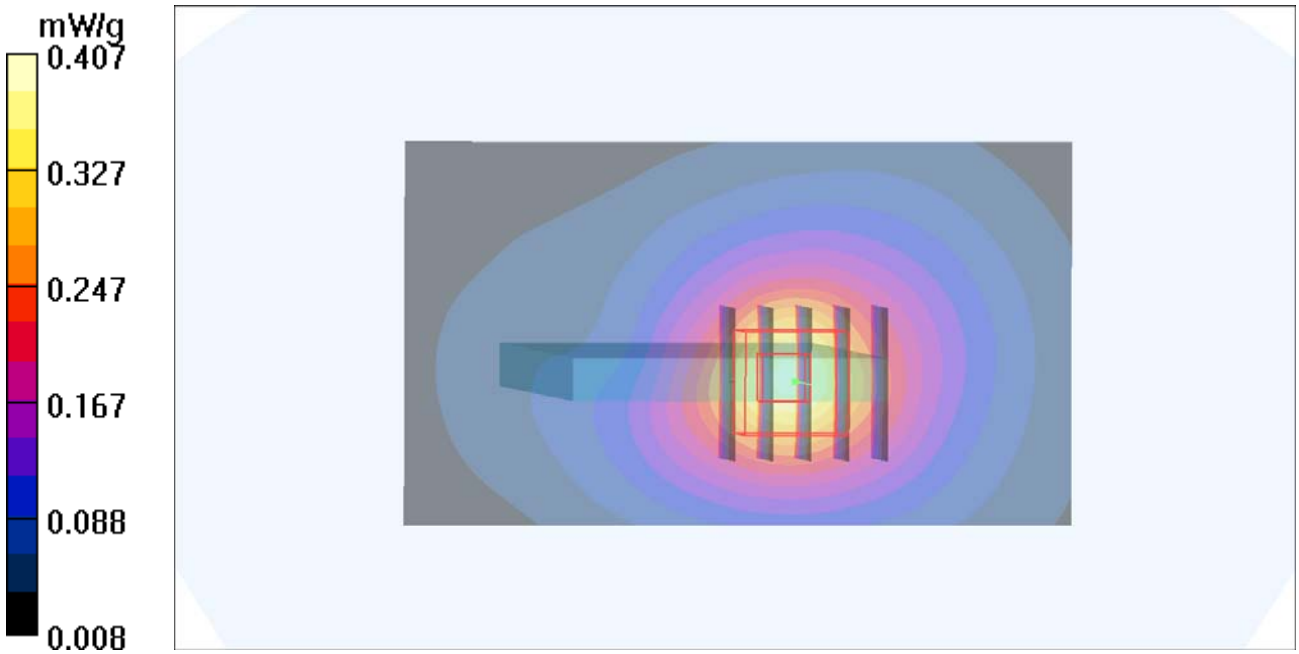
DUT: 120910C04

Communication System: WCDMA; Frequency: 1907.6 MHz;Duty Cycle: 1:1
Medium: B1900_0925 Medium parameters used: f = 1908 MHz; σ = 1.55 mho/m; ε_r = 52.8; ρ = 1000 kg/m^3
Ambient Temperature：21.9 ℃； Liquid Temperature：20.3 ℃

DASY4 Configuration:
- Probe: EX3DV4 - SN3590; ConvF(8.07, 8.07, 8.07); Calibrated: 2012/02/23
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2012/04/27
- Phantom: SAM Phantom_Left; Type: SAM V4.0; Serial: TP 1652
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Ch9538/Area Scan (41x71x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.392 mW/g

Ch9538/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 15.5 V/m; Power Drift = -0.109 dB
Peak SAR (extrapolated) = 0.499 W/kg
SAR(1 g) = 0.309 mW/g; SAR(10 g) = 0.181 mW/g
Maximum value of SAR (measured) = 0.407 mW/g



P61 WCDMA II_RMC12.2_Front Face_1cm_Ch9262

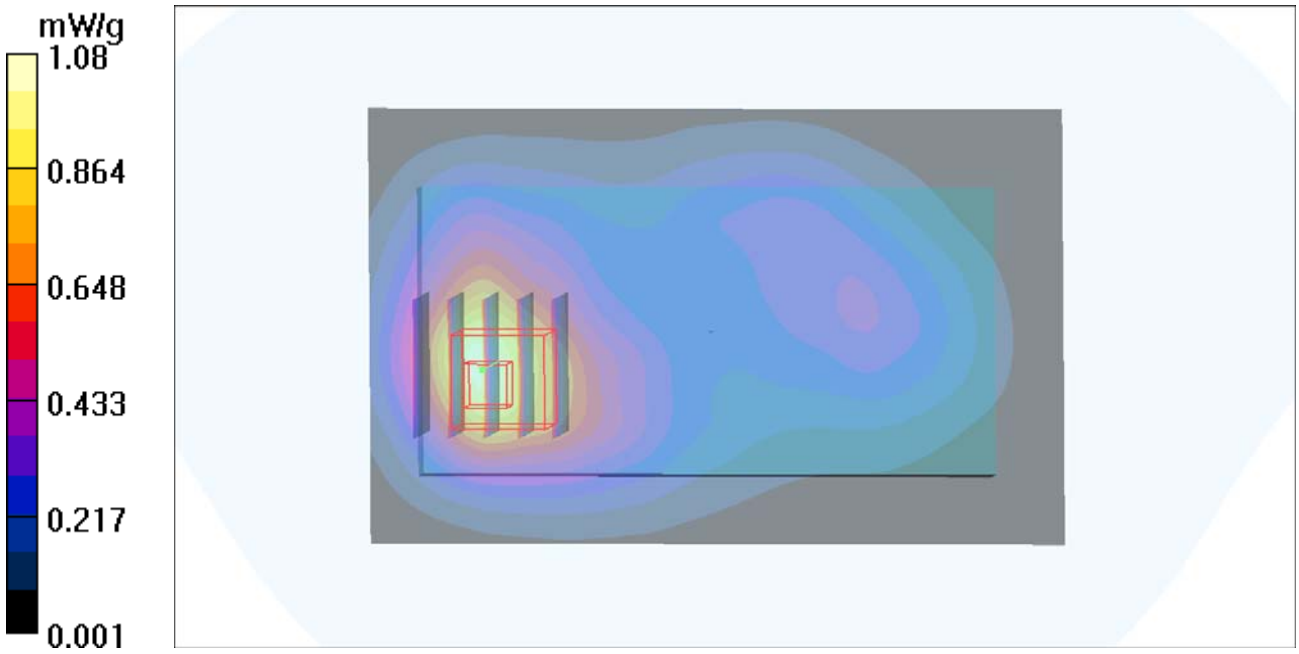
DUT: 120910C04

Communication System: WCDMA; Frequency: 1852.4 MHz;Duty Cycle: 1:1
Medium: B1900_0925 Medium parameters used: f = 1852.4 MHz; σ = 1.48 mho/m; ε_r = 53; ρ = 1000 kg/m^3
Ambient Temperature：21.9 ℃； Liquid Temperature：20.3 ℃

DASY4 Configuration:
- Probe: EX3DV4 - SN3590; ConvF(8.07, 8.07, 8.07); Calibrated: 2012/02/23
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2012/04/27
- Phantom: SAM Phantom_Left; Type: SAM V4.0; Serial: TP 1652
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Ch9262/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 1.08 mW/g

Ch9262/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 12.7 V/m; Power Drift = 0.021 dB
Peak SAR (extrapolated) = 1.24 W/kg
SAR(1 g) = 0.782 mW/g; SAR(10 g) = 0.469 mW/g
Maximum value of SAR (measured) = 0.995 mW/g



P62 WCDMA II_RMC12.2_Front Face_1cm_Ch9400

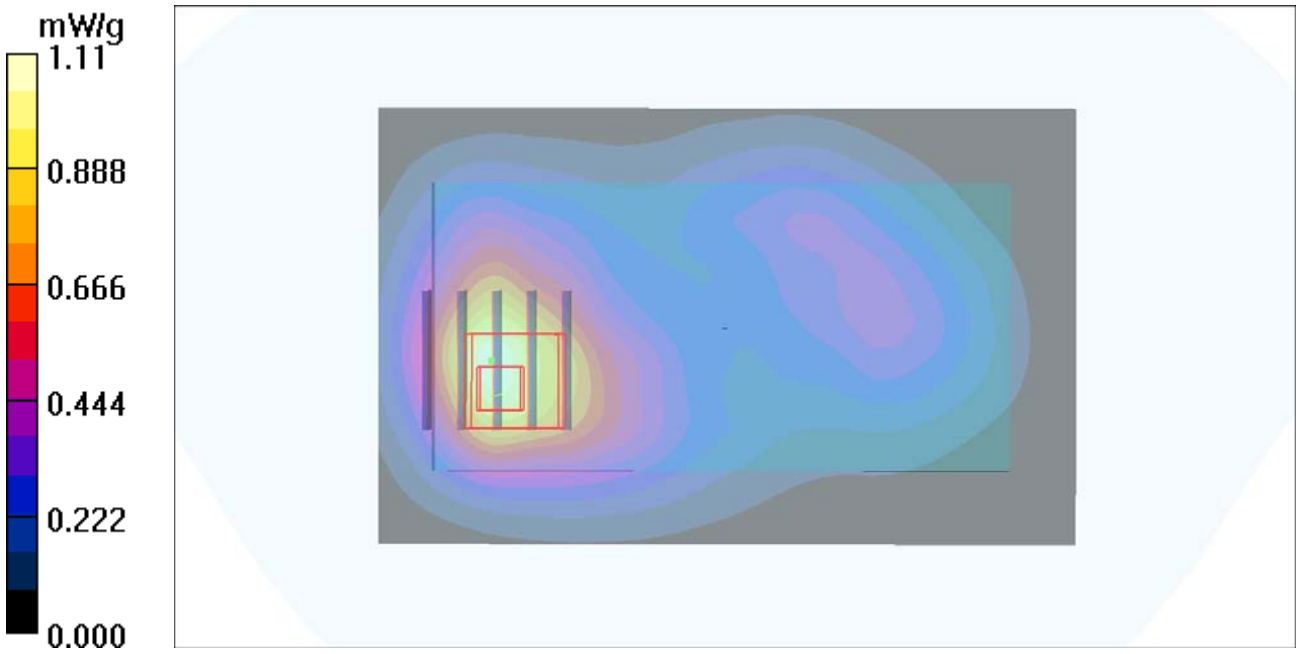
DUT: 120910C04

Communication System: WCDMA; Frequency: 1880 MHz;Duty Cycle: 1:1
Medium: B1900_0925 Medium parameters used: f = 1880 MHz; σ = 1.52 mho/m; ε_r = 52.9; ρ = 1000 kg/m^3
Ambient Temperature：21.9 ℃； Liquid Temperature：20.3 ℃

DASY4 Configuration:
- Probe: EX3DV4 - SN3590; ConvF(8.07, 8.07, 8.07); Calibrated: 2012/02/23
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2012/04/27
- Phantom: SAM Phantom_Left; Type: SAM V4.0; Serial: TP 1652
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Ch9400/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 1.11 mW/g

Ch9400/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 12.0 V/m; Power Drift = 0.053 dB
Peak SAR (extrapolated) = 1.31 W/kg
SAR(1 g) = 0.823 mW/g; SAR(10 g) = 0.495 mW/g
Maximum value of SAR (measured) = 1.08 mW/g



P65 WCDMA II_RMC12.2_Rear Face_1cm_Ch9262

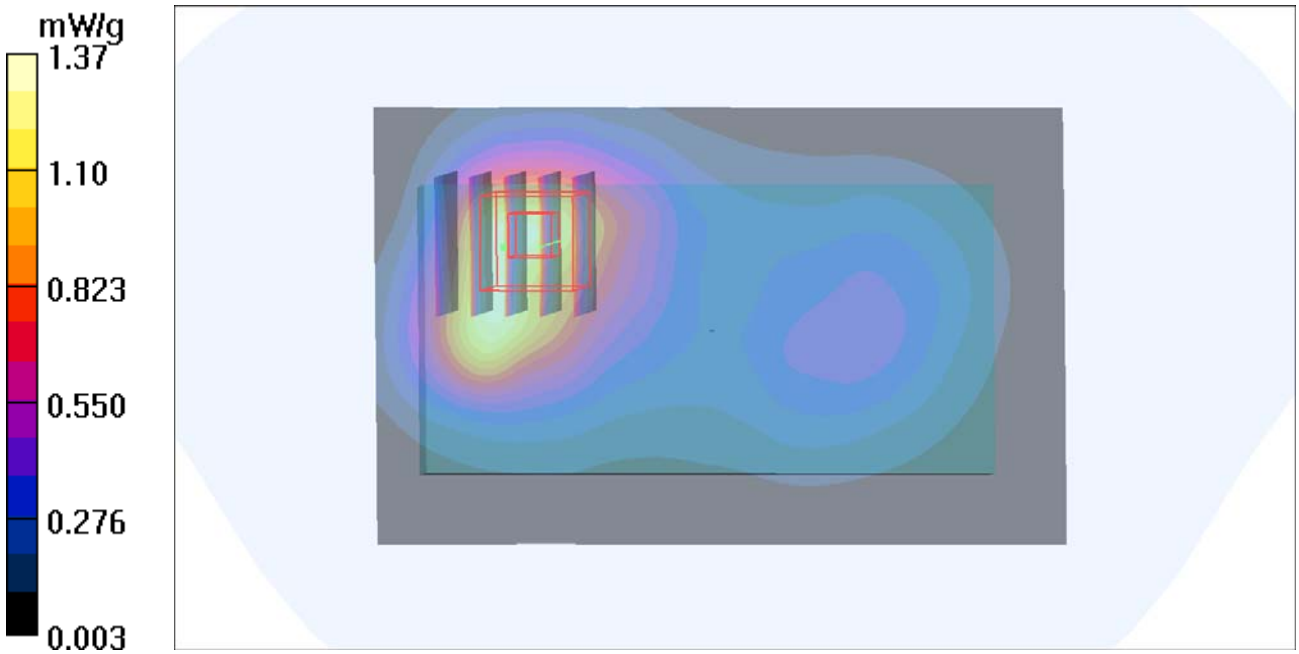
DUT: 120910C04

Communication System: WCDMA; Frequency: 1852.4 MHz;Duty Cycle: 1:1
Medium: B1900_0925 Medium parameters used: f = 1852.4 MHz; σ = 1.48 mho/m; ε_r = 53; ρ = 1000 kg/m^3
Ambient Temperature：21.9 ℃； Liquid Temperature：20.3 ℃

DASY4 Configuration:
- Probe: EX3DV4 - SN3590; ConvF(8.07, 8.07, 8.07); Calibrated: 2012/02/23
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2012/04/27
- Phantom: SAM Phantom_Left; Type: SAM V4.0; Serial: TP 1652
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Ch9262/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 1.37 mW/g

Ch9262/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 13.3 V/m; Power Drift = 0.075 dB
Peak SAR (extrapolated) = 1.54 W/kg
SAR(1 g) = 0.977 mW/g; SAR(10 g) = 0.585 mW/g
Maximum value of SAR (measured) = 1.24 mW/g



P66 WCDMA II_RMC12.2_Rear Face_1cm_Ch9400

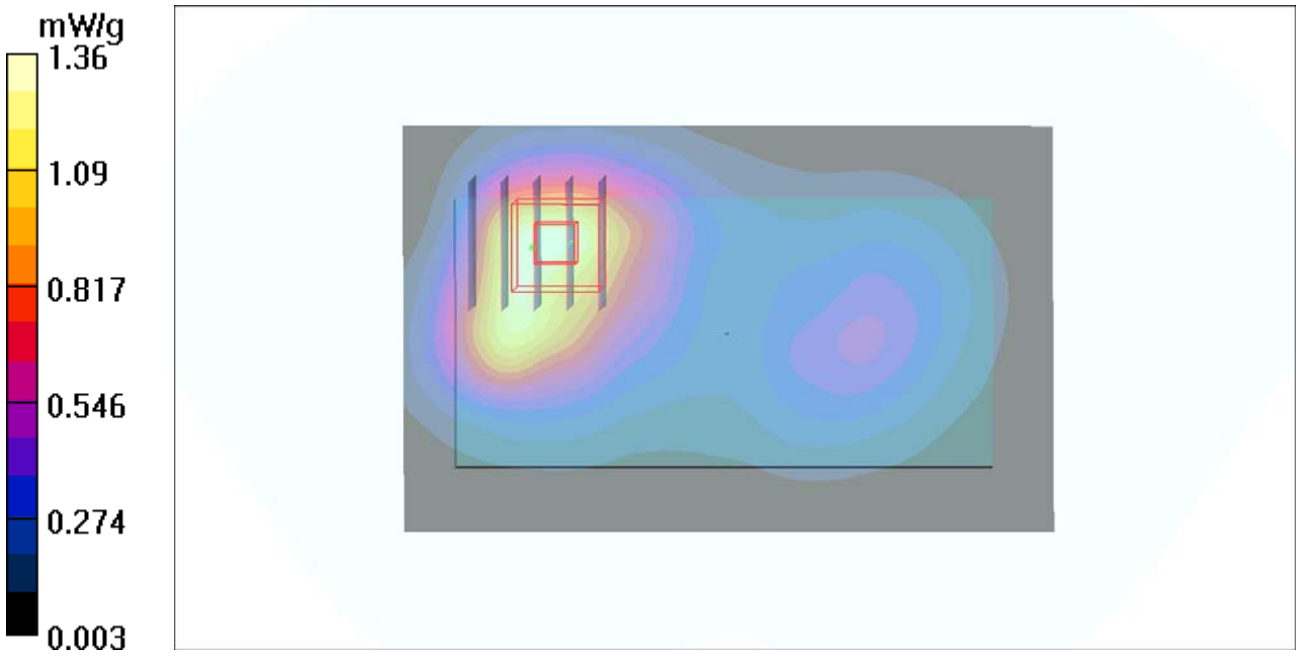
DUT: 120910C04

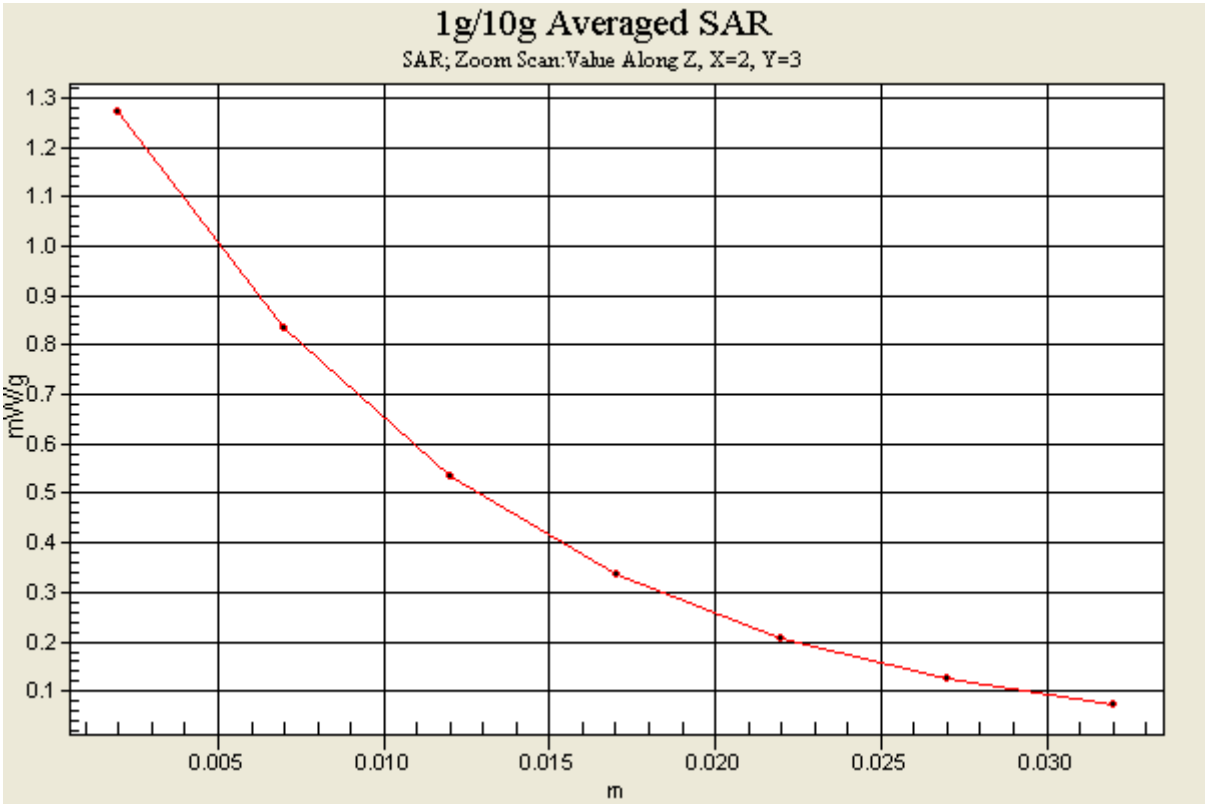
Communication System: WCDMA; Frequency: 1880 MHz;Duty Cycle: 1:1
Medium: B1900_0925 Medium parameters used: f = 1880 MHz; σ = 1.52 mho/m; ε_r = 52.9; ρ = 1000 kg/m^3
Ambient Temperature：21.9 ℃; Liquid Temperature：20.3 ℃

DASY4 Configuration:
- Probe: EX3DV4 - SN3590; ConvF(8.07, 8.07, 8.07); Calibrated: 2012/02/23
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2012/04/27
- Phantom: SAM Phantom_Left; Type: SAM V4.0; Serial: TP 1652
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Ch9400/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 1.36 mW/g

Ch9400/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 12.5 V/m; Power Drift = 0.066 dB
Peak SAR (extrapolated) = 1.58 W/kg
SAR(1 g) = 0.997 mW/g; SAR(10 g) = 0.595 mW/g
Maximum value of SAR (measured) = 1.27 mW/g




1g/10g Averaged SAR
SAR; Zoom Scan:Value Along Z, X=2, Y=3
mW/g
1.3
1.2
1.1
1.0
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0.005
0.010
0.015
0.020
0.025
0.030
m

P59 WCDMA II_RMC12.2_Front Face_1cm_Ch9538_Earphone

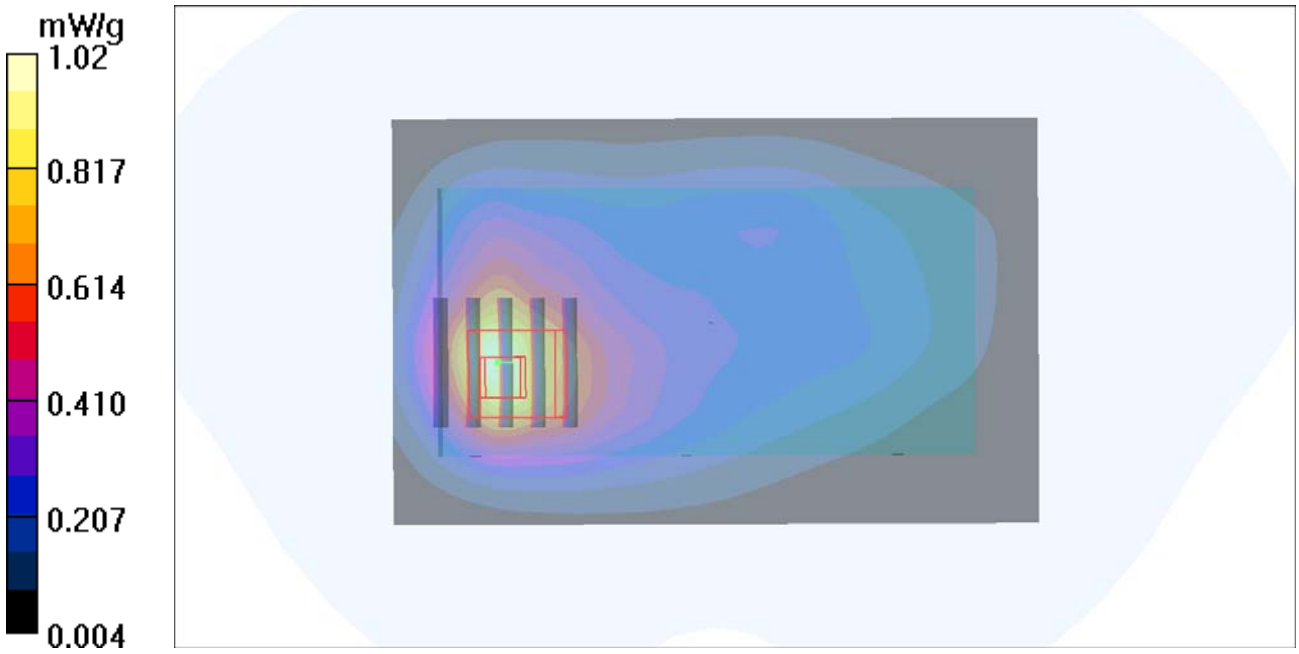
DUT: 120910C04

Communication System: WCDMA; Frequency: 1907.6 MHz;Duty Cycle: 1:1
Medium: B1900_0925 Medium parameters used: f = 1908 MHz; σ = 1.55 mho/m; ε_r = 52.8; ρ = 1000 kg/m^3
Ambient Temperature：21.9 ℃； Liquid Temperature：20.3 ℃

DASY4 Configuration:
- Probe: EX3DV4 - SN3590; ConvF(8.07, 8.07, 8.07); Calibrated: 2012/02/23
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2012/04/27
- Phantom: SAM Phantom_Left; Type: SAM V4.0; Serial: TP 1652
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Ch9538/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 1.02 mW/g

Ch9538/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 13.6 V/m; Power Drift = -0.009 dB
Peak SAR (extrapolated) = 1.19 W/kg
SAR(1 g) = 0.740 mW/g; SAR(10 g) = 0.434 mW/g
Maximum value of SAR (measured) = 0.946 mW/g



P60 WCDMA II_RMC12.2_Rear Face_1cm_Ch9538_Earphone

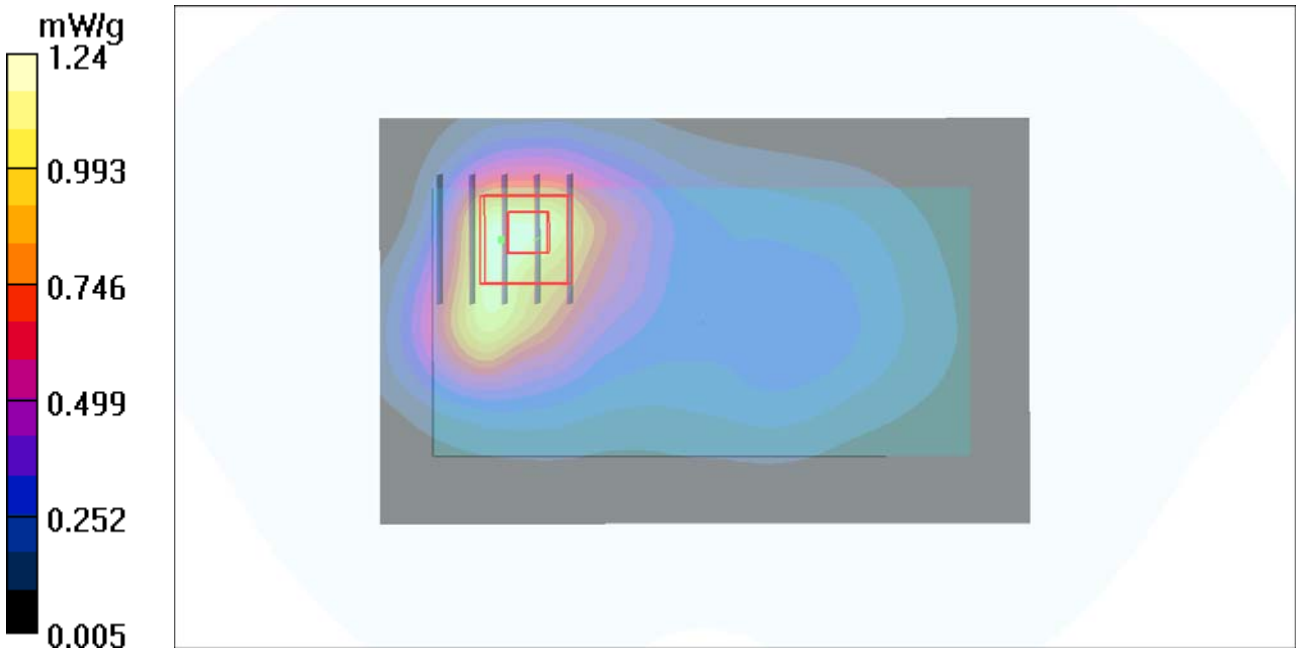
DUT: 120910C04

Communication System: WCDMA; Frequency: 1907.6 MHz;Duty Cycle: 1:1
Medium: B1900_0925 Medium parameters used: f = 1908 MHz; σ = 1.55 mho/m; ε_r = 52.8; ρ = 1000 kg/m^3
Ambient Temperature：21.9 ℃; Liquid Temperature：20.3 ℃

DASY4 Configuration:
- Probe: EX3DV4 - SN3590; ConvF(8.07, 8.07, 8.07); Calibrated: 2012/02/23
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2012/04/27
- Phantom: SAM Phantom_Left; Type: SAM V4.0; Serial: TP 1652
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Ch9538/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 1.24 mW/g

Ch9538/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 13.4 V/m; Power Drift = -0.101 dB
Peak SAR (extrapolated) = 1.41 W/kg
SAR(1 g) = 0.881 mW/g; SAR(10 g) = 0.516 mW/g
Maximum value of SAR (measured) = 1.14 mW/g



P63 WCDMA II_RMC12.2_Rear Face_1cm_Ch9262_Earphone

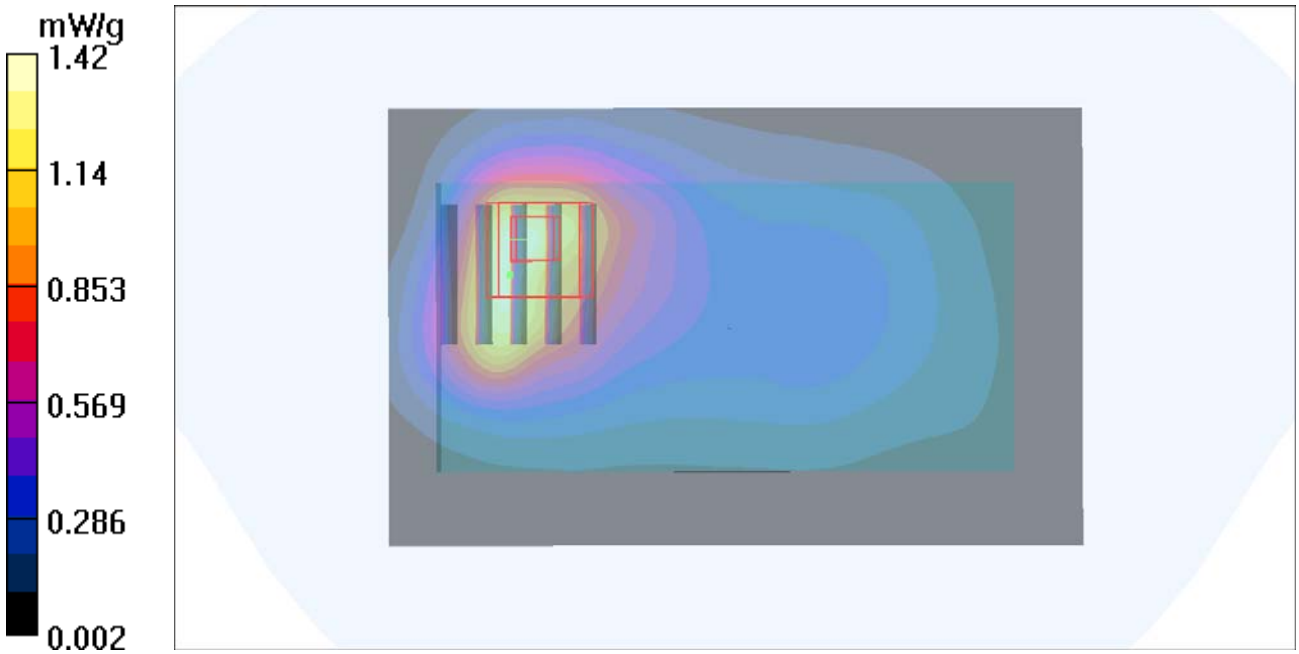
DUT: 120910C04

Communication System: WCDMA; Frequency: 1852.4 MHz;Duty Cycle: 1:1
Medium: B1900_0925 Medium parameters used: f = 1852.4 MHz; σ = 1.48 mho/m; ε_r = 53; ρ = 1000 kg/m^3
Ambient Temperature：21.9 ℃； Liquid Temperature：20.3 ℃

DASY4 Configuration:
- Probe: EX3DV4 - SN3590; ConvF(8.07, 8.07, 8.07); Calibrated: 2012/02/23
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2012/04/27
- Phantom: SAM Phantom_Left; Type: SAM V4.0; Serial: TP 1652
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Ch9262/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 1.42 mW/g

Ch9262/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 15.4 V/m; Power Drift = 0.085 dB
Peak SAR (extrapolated) = 1.59 W/kg
SAR(1 g) = 0.969 mW/g; SAR(10 g) = 0.574 mW/g
Maximum value of SAR (measured) = 1.24 mW/g



P64 WCDMA II_RMC12.2_Rear Face_1cm_Ch9400_Earphone

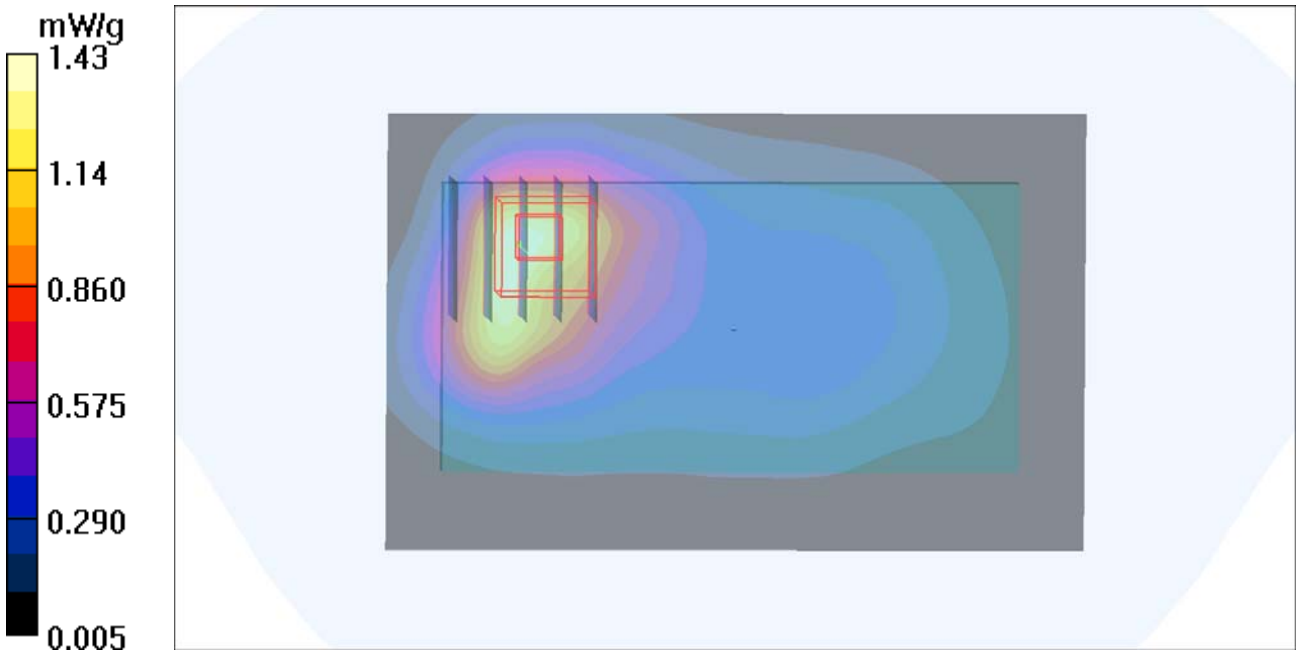
DUT: 120910C04

Communication System: WCDMA; Frequency: 1880 MHz;Duty Cycle: 1:1
Medium: B1900_0925 Medium parameters used: f = 1880 MHz; σ = 1.52 mho/m; ε_r = 52.9; ρ = 1000 kg/m^3
Ambient Temperature：21.9 ℃; Liquid Temperature：20.3 ℃

DASY4 Configuration:
- Probe: EX3DV4 - SN3590; ConvF(8.07, 8.07, 8.07); Calibrated: 2012/02/23
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2012/04/27
- Phantom: SAM Phantom_Left; Type: SAM V4.0; Serial: TP 1652
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Ch9400/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 1.43 mW/g

Ch9400/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 15.3 V/m; Power Drift = 0.100 dB
Peak SAR (extrapolated) = 1.59 W/kg
SAR(1 g) = 0.983 mW/g; SAR(10 g) = 0.580 mW/g
Maximum value of SAR (measured) = 1.27 mW/g



P146 802.11b_Front Face_1cm_Ch11

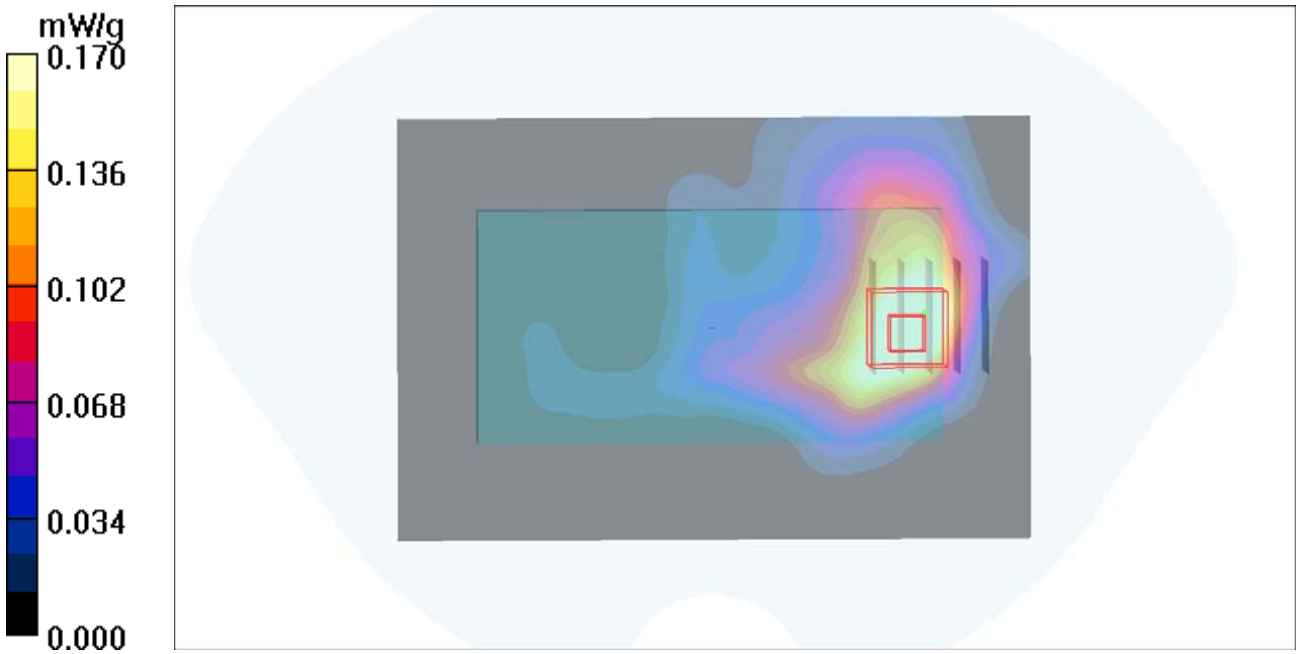
DUT: 120910C04

Communication System: WLAN_2.4G; Frequency: 2462 MHz;Duty Cycle: 1:1
Medium: B2450_0928 Medium parameters used: f = 2462 MHz; σ = 2.02 mho/m; ε_r = 52.3; ρ = 1000 kg/m^3
Ambient Temperature：21.5 ℃; Liquid Temperature：20.7 ℃

DASY4 Configuration:
- Probe: EX3DV4 - SN3590; ConvF(7.8, 7.8, 7.8); Calibrated: 2012/02/23
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2012/04/27
- Phantom: SAM Phantom_Left; Type: SAM V4.0; Serial: TP 1652
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Ch11/Area Scan (61x91x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.202 mW/g

Ch11/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 4.12 V/m; Power Drift = -0.074 dB
Peak SAR (extrapolated) = 0.224 W/kg
SAR(1 g) = 0.127 mW/g; SAR(10 g) = 0.073 mW/g
Maximum value of SAR (measured) = 0.170 mW/g



P122 802.11b_Rear Face_1cm_Ch11

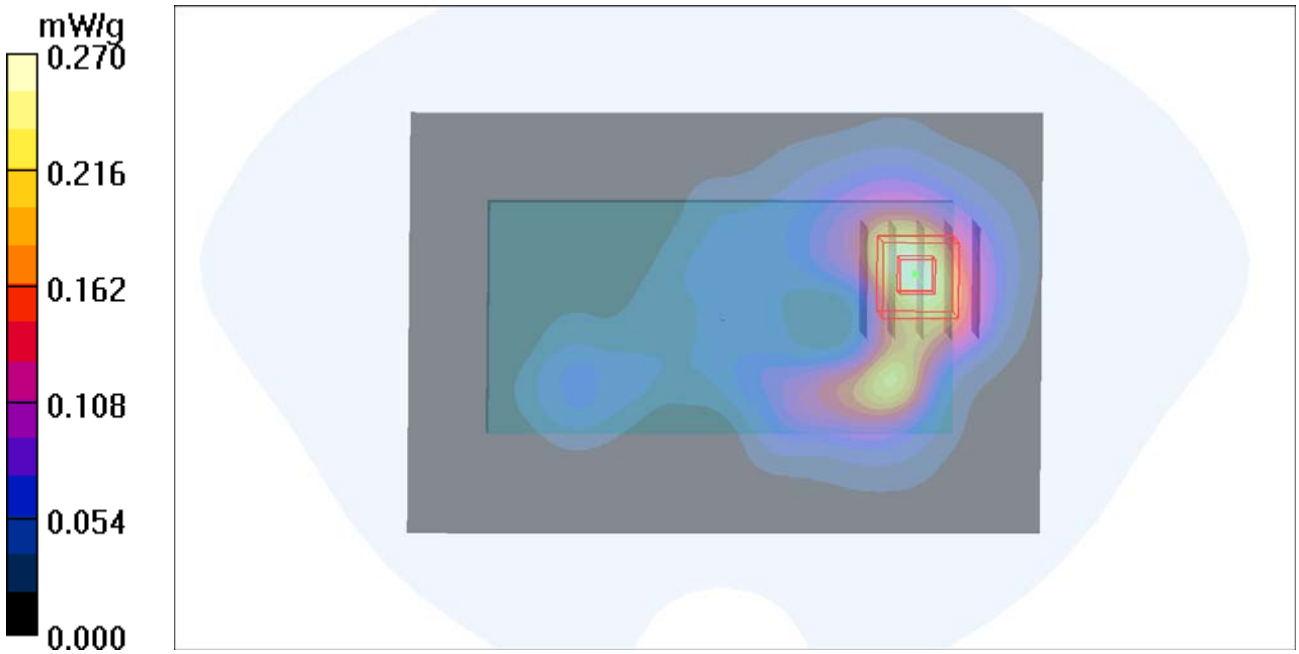
DUT: 120910C04

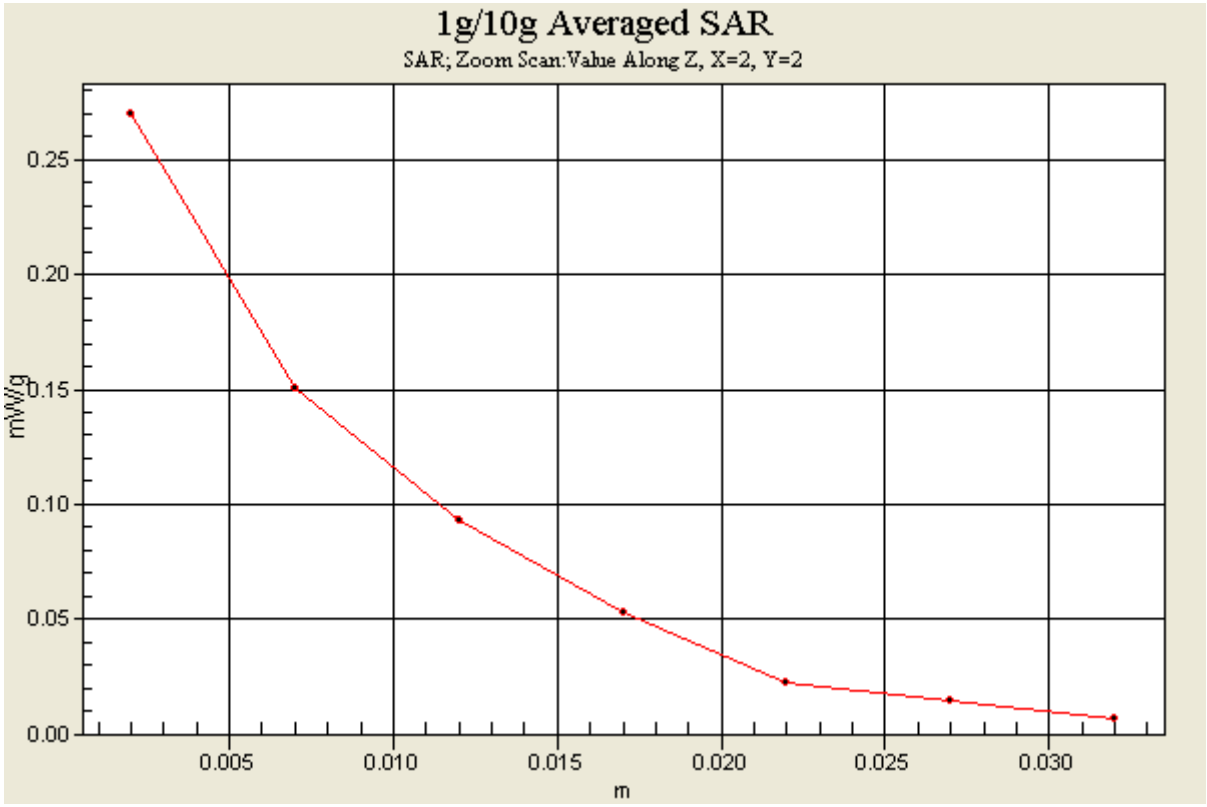
Communication System: WLAN_2.4G; Frequency: 2462 MHz;Duty Cycle: 1:1
Medium: B2450_0928 Medium parameters used: f = 2462 MHz; σ = 2.02 mho/m; ε_r = 52.3; ρ = 1000 kg/m^3
Ambient Temperature：21.5 ℃； Liquid Temperature：20.7 ℃

DASY4 Configuration:
- Probe: EX3DV4 - SN3590; ConvF(7.8, 7.8, 7.8); Calibrated: 2012/02/23
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2012/04/27
- Phantom: SAM Phantom_Left; Type: SAM V4.0; Serial: TP 1652
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Ch11/Area Scan (61x91x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.272 mW/g

Ch11/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 4.77 V/m; Power Drift = 0.169 dB
Peak SAR (extrapolated) = 0.345 W/kg
SAR(1 g) = 0.193 mW/g; SAR(10 g) = 0.106 mW/g
Maximum value of SAR (measured) = 0.270 mW/g




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

P123 802.11b_Left Side_1cm_Ch11

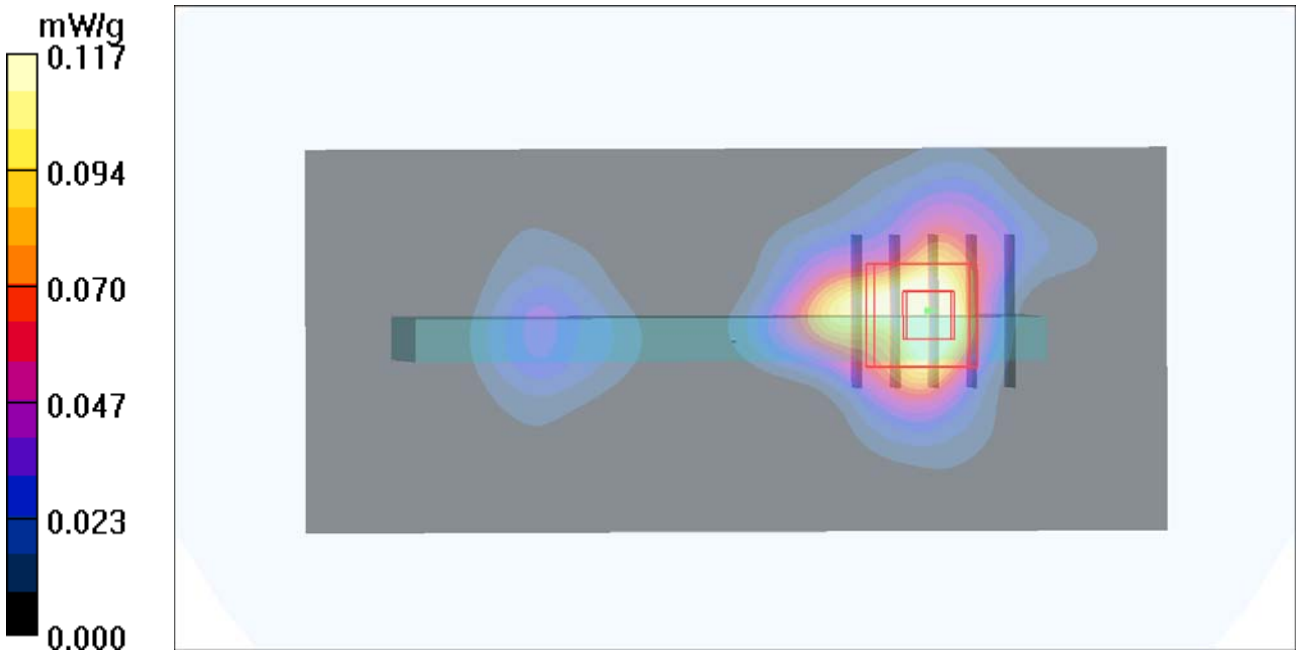
DUT: 120910C04

Communication System: WLAN_2.4G; Frequency: 2462 MHz;Duty Cycle: 1:1
Medium: B2450_0928 Medium parameters used: f = 2462 MHz; σ = 2.02 mho/m; ε_r = 52.3; ρ = 1000 kg/m^3
Ambient Temperature：21.5 ℃; Liquid Temperature：20.7 ℃

DASY4 Configuration:
- Probe: EX3DV4 - SN3590; ConvF(7.8, 7.8, 7.8); Calibrated: 2012/02/23
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2012/04/27
- Phantom: SAM Phantom_Left; Type: SAM V4.0; Serial: TP 1652
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Ch11/Area Scan (41x91x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.144 mW/g

Ch11/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 2.91 V/m; Power Drift = 0.169 dB
Peak SAR (extrapolated) = 0.151 W/kg
SAR(1 g) = 0.079 mW/g; SAR(10 g) = 0.039 mW/g
Maximum value of SAR (measured) = 0.117 mW/g



P124 802.11b_Top Side_1cm_Ch11

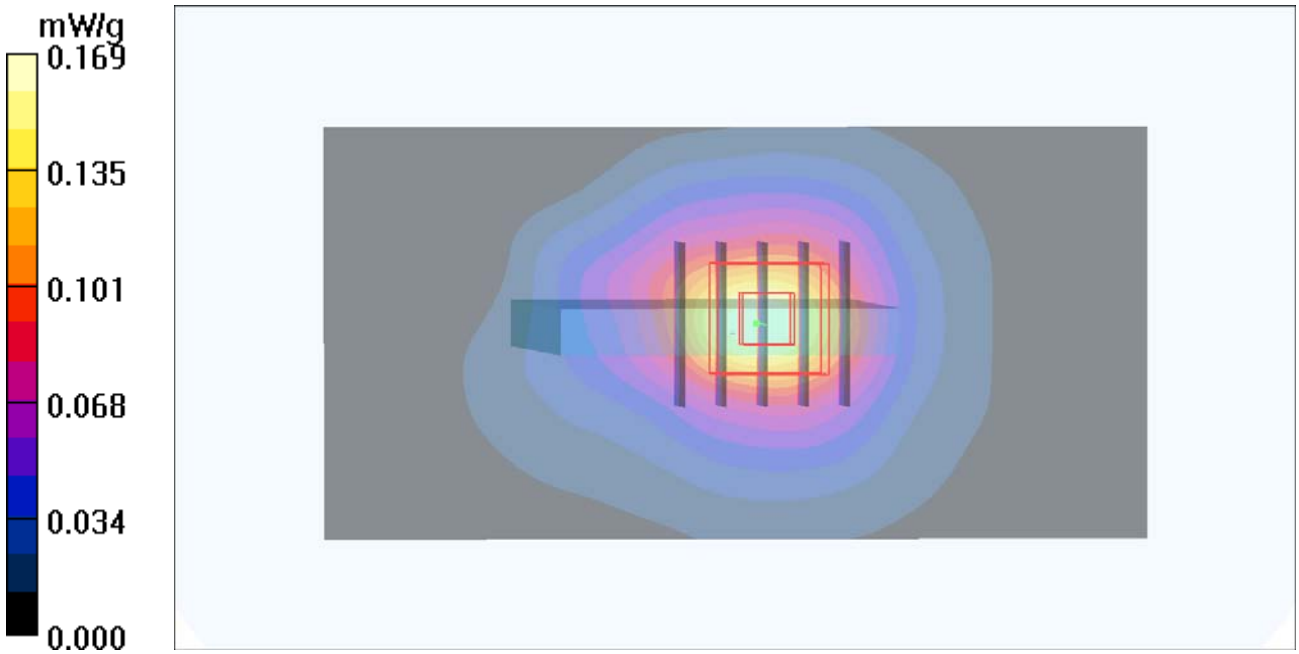
DUT: 120910C04

Communication System: WLAN_2.4G; Frequency: 2462 MHz;Duty Cycle: 1:1
Medium: B2450_0928 Medium parameters used: f = 2462 MHz; σ = 2.02 mho/m; ε_r = 52.3; ρ = 1000 kg/m^3
Ambient Temperature：21.5 ℃； Liquid Temperature：20.7 ℃

DASY4 Configuration:
- Probe: EX3DV4 - SN3590; ConvF(7.8, 7.8, 7.8); Calibrated: 2012/02/23
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2012/04/27
- Phantom: SAM Phantom_Left; Type: SAM V4.0; Serial: TP 1652
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Ch11/Area Scan (41x81x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.169 mW/g

Ch11/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 9.04 V/m; Power Drift = 0.078 dB
Peak SAR (extrapolated) = 0.233 W/kg
SAR(1 g) = 0.126 mW/g; SAR(10 g) = 0.067 mW/g
Maximum value of SAR (measured) = 0.176 mW/g



P125 802.11b_Front Face_1cm_Ch11_Earphone

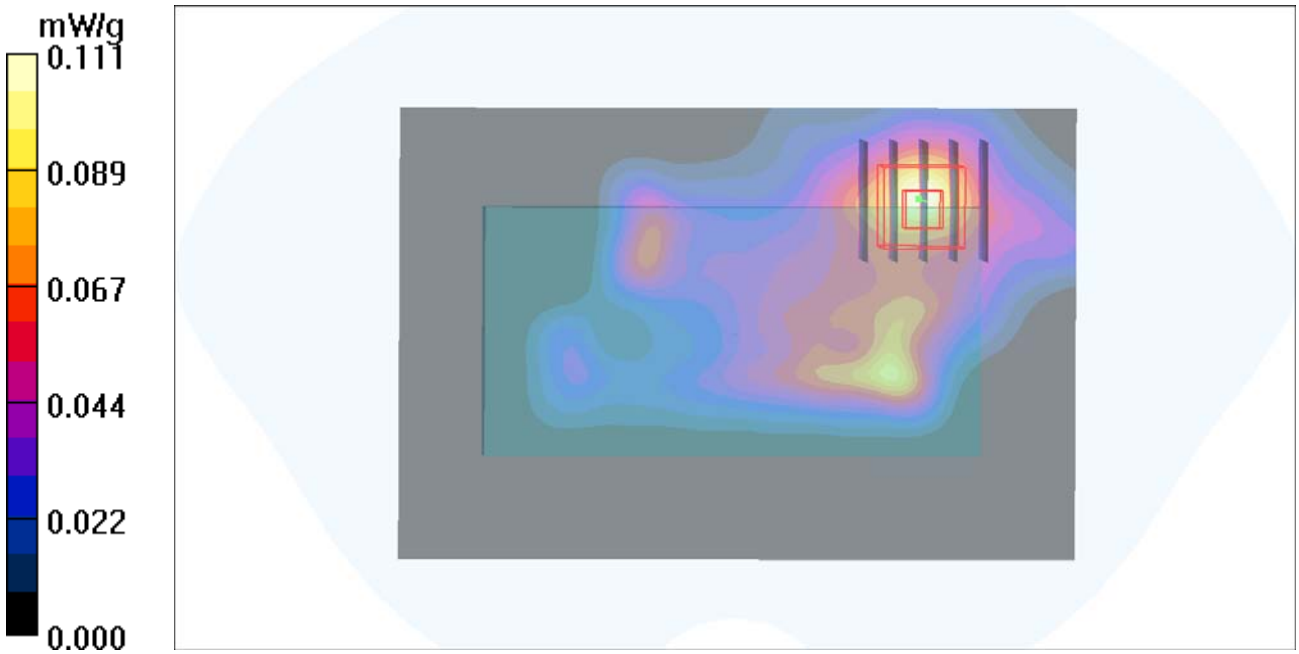
DUT: 120910C04

Communication System: WLAN_2.4G; Frequency: 2462 MHz;Duty Cycle: 1:1
Medium: B2450_0928 Medium parameters used: f = 2462 MHz; σ = 2.02 mho/m; ε_r = 52.3; ρ = 1000 kg/m^3
Ambient Temperature：21.5 ℃； Liquid Temperature：20.7 ℃

DASY4 Configuration:
- Probe: EX3DV4 - SN3590; ConvF(7.8, 7.8, 7.8); Calibrated: 2012/02/23
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2012/04/27
- Phantom: SAM Phantom_Left; Type: SAM V4.0; Serial: TP 1652
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Ch11/Area Scan (61x91x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.111 mW/g

Ch11/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 4.44 V/m; Power Drift = 0.188 dB
Peak SAR (extrapolated) = 0.196 W/kg
SAR(1 g) = 0.094 mW/g; SAR(10 g) = 0.045 mW/g
Maximum value of SAR (measured) = 0.133 mW/g



P126 802.11b_Rear Face_1cm_Ch11_Earphone

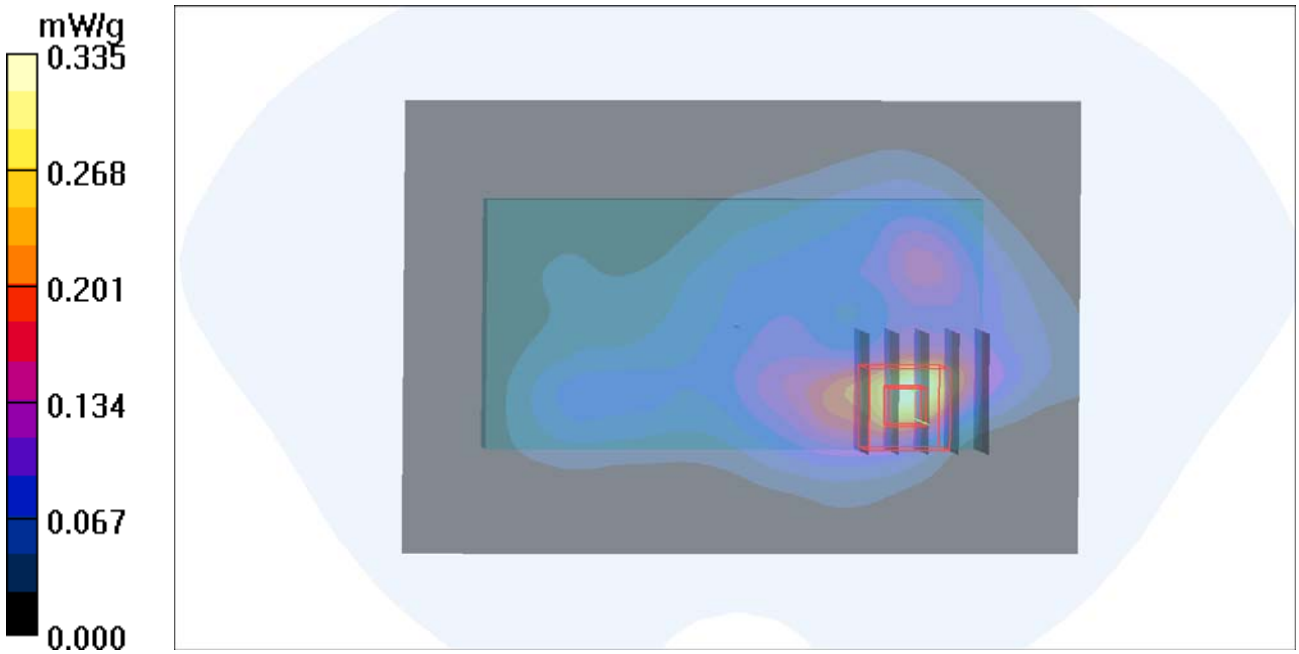
DUT: 120910C04

Communication System: WLAN_2.4G; Frequency: 2462 MHz;Duty Cycle: 1:1
Medium: B2450_0928 Medium parameters used: f = 2462 MHz; σ = 2.02 mho/m; ε_r = 52.3; ρ = 1000 kg/m^3
Ambient Temperature：21.5 ℃； Liquid Temperature：20.7 ℃

DASY4 Configuration:
- Probe: EX3DV4 - SN3590; ConvF(7.8, 7.8, 7.8); Calibrated: 2012/02/23
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2012/04/27
- Phantom: SAM Phantom_Left; Type: SAM V4.0; Serial: TP 1652
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Ch11/Area Scan (61x91x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.335 mW/g

Ch11/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 6.66 V/m; Power Drift = 0.065 dB
Peak SAR (extrapolated) = 0.372 W/kg
SAR(1 g) = 0.181 mW/g; SAR(10 g) = 0.087 mW/g
Maximum value of SAR (measured) = 0.249 mW/g



P128 802.11a_Rear Face_1cm_Ch48

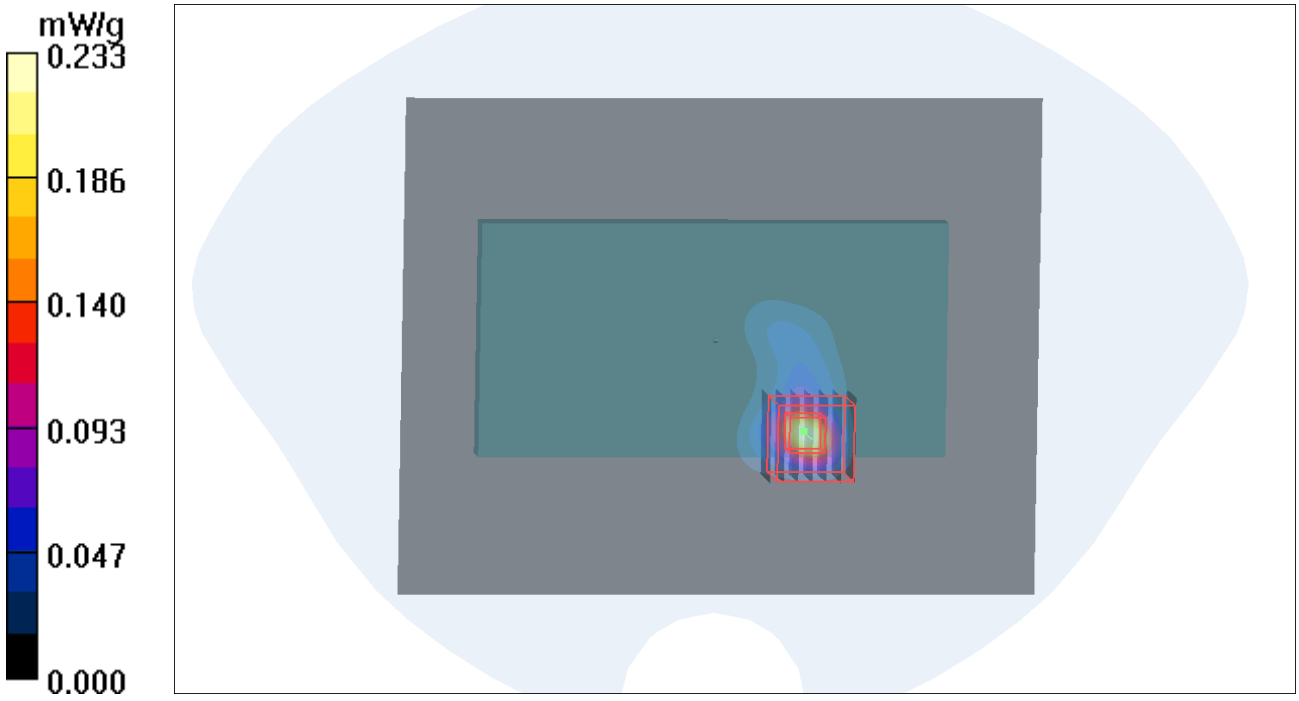
DUT: 120910C04

Communication System: WLAN_5G; Frequency: 5240 MHz;Duty Cycle: 1:1
Medium: B5G_0927 Medium parameters used: f = 5240 MHz; σ = 5.32 mho/m; ε_r = 49.4; ρ = 1000 kg/m^3
Ambient Temperature：21.8 ℃; Liquid Temperature：20.7 ℃

DASY4 Configuration:
- Probe: EX3DV4 - SN3590; ConvF(4.89, 4.89, 4.89); Calibrated: 2012/02/23
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2012/04/27
- Phantom: SAM Phantom_Left; Type: SAM V4.0; Serial: TP 1652
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Ch48/Area Scan (141x181x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.233 mW/g

Ch48/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 1.13 V/m; Power Drift = 0.041 dB
Peak SAR (extrapolated) = 0.395 W/kg
SAR(1 g) = 0.097 mW/g; SAR(10 g) = 0.029 mW/g
Maximum value of SAR (measured) = 0.240 mW/g



P129 802.11a_Left Side_1cm_Ch48

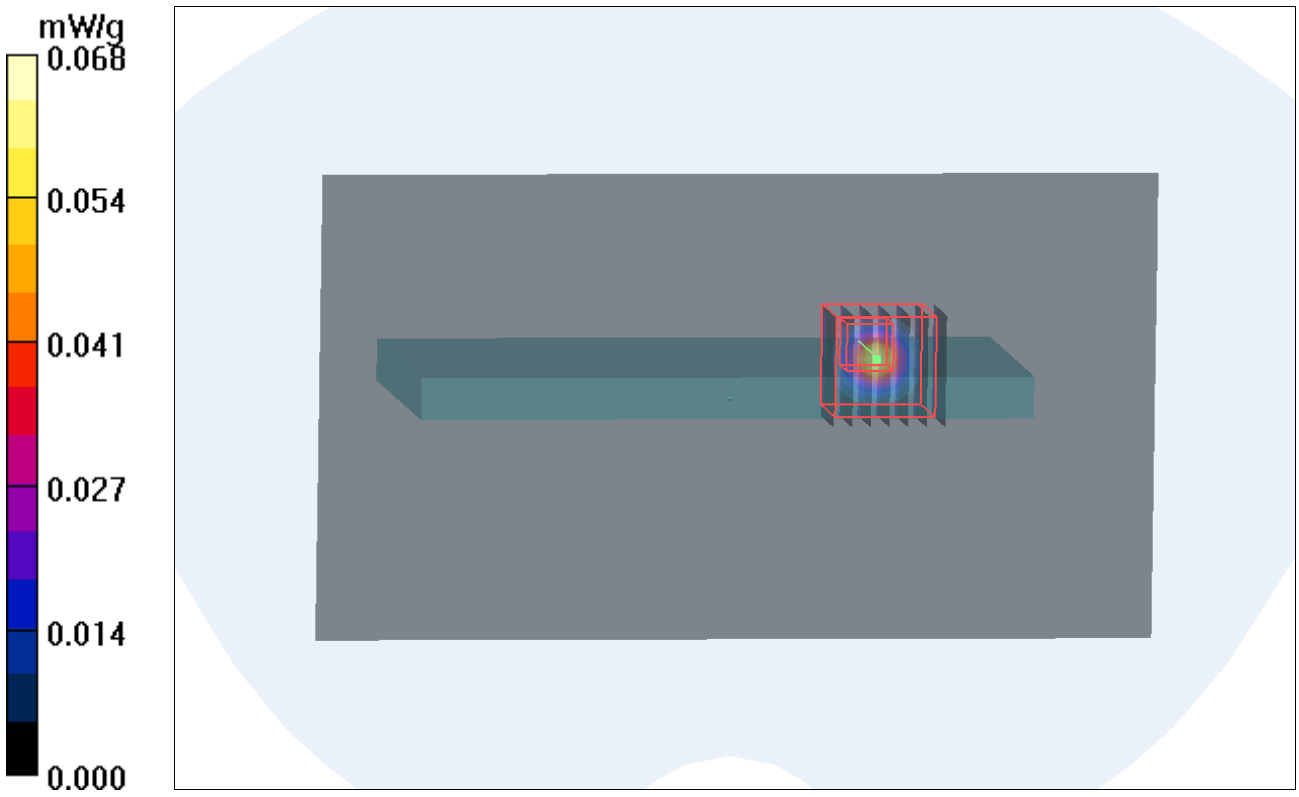
DUT: 120910C04

Communication System: WLAN_5G; Frequency: 5240 MHz;Duty Cycle: 1:1
Medium: B5G_0927 Medium parameters used: f = 5240 MHz; σ = 5.32 mho/m; ε_r = 49.4; ρ = 1000 kg/m^3
Ambient Temperature：21.8 ℃; Liquid Temperature：20.7 ℃

DASY4 Configuration:
- Probe: EX3DV4 - SN3590; ConvF(4.89, 4.89, 4.89); Calibrated: 2012/02/23
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2012/04/27
- Phantom: SAM Phantom_Left; Type: SAM V4.0; Serial: TP 1652
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Ch48/Area Scan (101x181x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.063 mW/g

Ch48/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 0.000 V/m; Power Drift = 0.003 dB
Peak SAR (extrapolated) = 0.319 W/kg
SAR(1 g) = 0.034 mW/g; SAR(10 g) = 0.012 mW/g
Maximum value of SAR (measured) = 0.068 mW/g



P130 802.11a_Top Side_1cm_Ch48

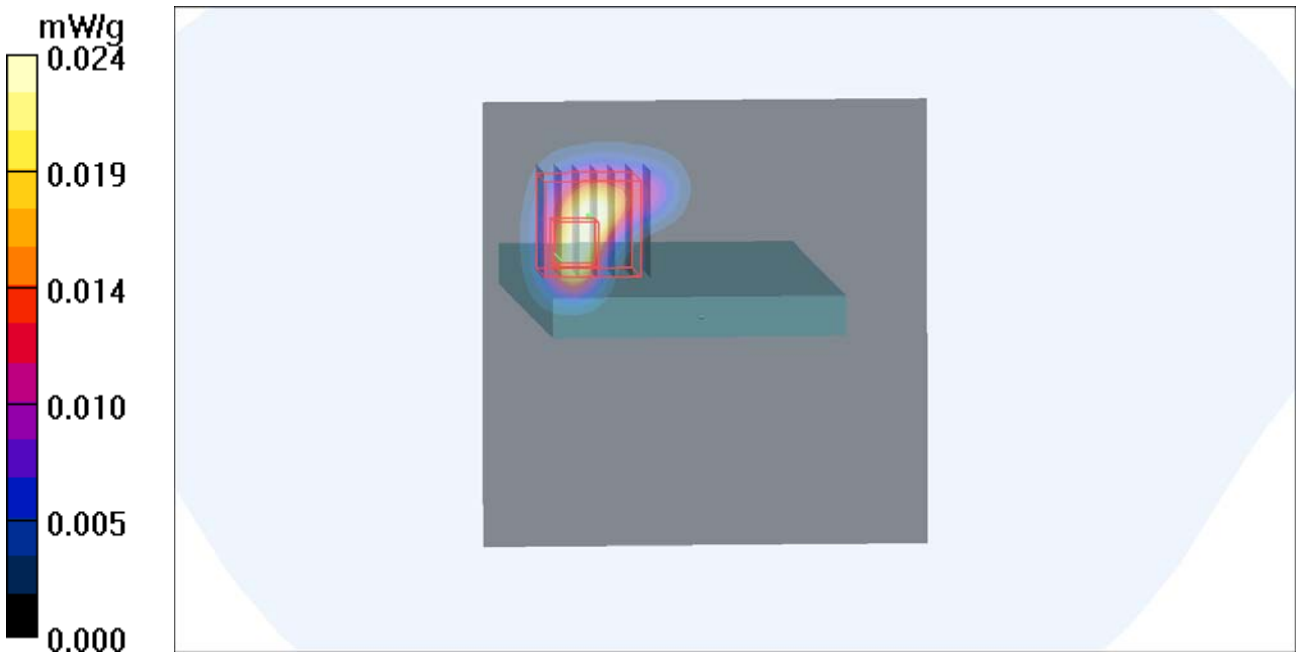
DUT: 120910C04

Communication System: WLAN_5G; Frequency: 5240 MHz;Duty Cycle: 1:1
Medium: B5G_0927 Medium parameters used: f = 5240 MHz; σ = 5.32 mho/m; ε_r = 49.4; ρ = 1000 kg/m^3
Ambient Temperature：21.8 ℃； Liquid Temperature：20.7 ℃

DASY4 Configuration:
- Probe: EX3DV4 - SN3590; ConvF(4.89, 4.89, 4.89); Calibrated: 2012/02/23
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2012/04/27
- Phantom: SAM Phantom_Left; Type: SAM V4.0; Serial: TP 1652
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Ch48/Area Scan (101x101x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.027 mW/g

Ch48/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 0.000 V/m; Power Drift = 0.005 dB
Peak SAR (extrapolated) = 0.111 W/kg
SAR(1 g) = 0.011 mW/g; SAR(10 g) = 0.00454 mW/g
Maximum value of SAR (measured) = 0.024 mW/g



P132 802.11a_Rear Face_1cm_Ch48_Earphone

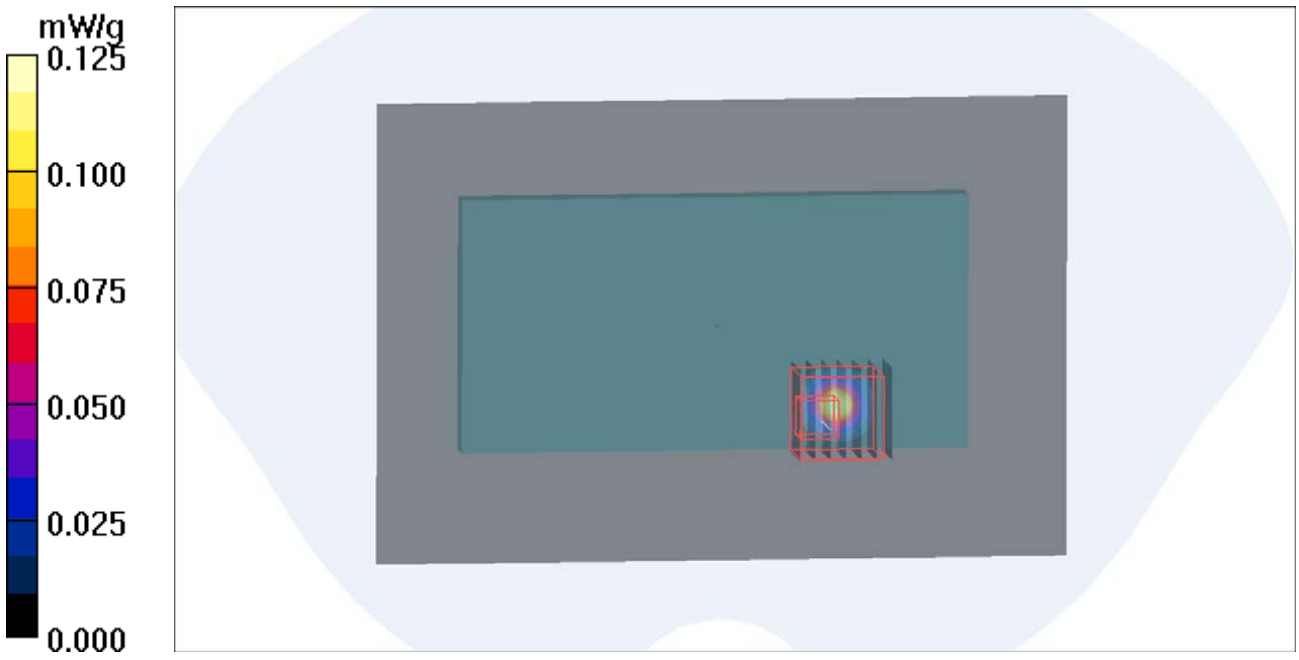
DUT: 120910C04

Communication System: WLAN_5G; Frequency: 5240 MHz;Duty Cycle: 1:1
Medium: B5G_0927 Medium parameters used: f = 5240 MHz; σ = 5.32 mho/m; ε_r = 49.4; ρ = 1000 kg/m^3
Ambient Temperature：21.8 ℃; Liquid Temperature：20.7 ℃

DASY4 Configuration:
- Probe: EX3DV4 - SN3590; ConvF(4.89, 4.89, 4.89); Calibrated: 2012/02/23
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2012/04/27
- Phantom: SAM Phantom_Left; Type: SAM V4.0; Serial: TP 1652
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Ch48/Area Scan (121x181x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.125 mW/g

Ch48/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 1.67 V/m; Power Drift = -0.002 dB
Peak SAR (extrapolated) = 0.781 W/kg
SAR(1 g) = 0.089 mW/g; SAR(10 g) = 0.017 mW/g
Maximum value of SAR (measured) = 0.197 mW/g



P134 802.11a_Rear Face_1cm_Ch64_Earphone

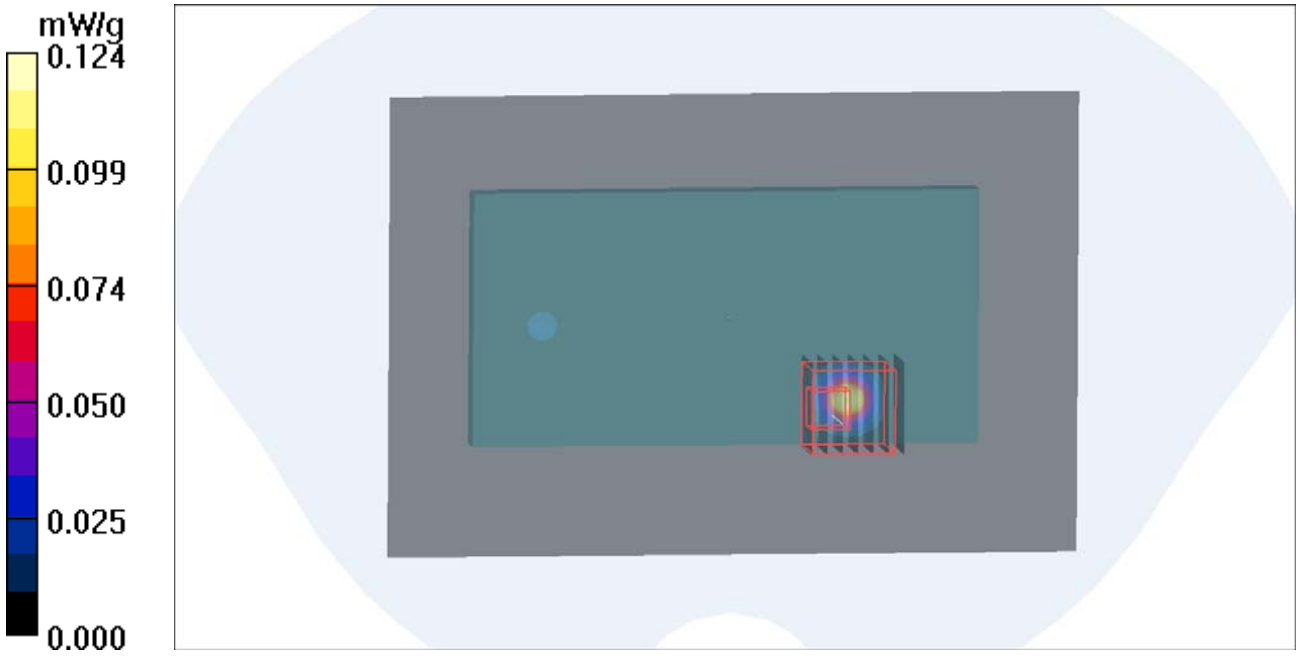
DUT: 120910C04

Communication System: WLAN_5G; Frequency: 5320 MHz;Duty Cycle: 1:1
Medium: B5G_0927 Medium parameters used: f = 5320 MHz; σ = 5.41 mho/m; ε_r = 49.2; ρ = 1000 kg/m^3
Ambient Temperature：21.8 ℃; Liquid Temperature：20.7 ℃

DASY4 Configuration:
- Probe: EX3DV4 - SN3590; ConvF(4.81, 4.81, 4.81); Calibrated: 2012/02/23
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2012/04/27
- Phantom: SAM Phantom_Left; Type: SAM V4.0; Serial: TP 1652
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Ch64/Area Scan (121x181x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.124 mW/g

Ch64/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 0.000 V/m; Power Drift = 0.000 dB
Peak SAR (extrapolated) = 0.640 W/kg
SAR(1 g) = 0.085 mW/g; SAR(10 g) = 0.019 mW/g
Maximum value of SAR (measured) = 0.194 mW/g



P136 802.11a_Rear Face_1cm_Ch116_Earphone

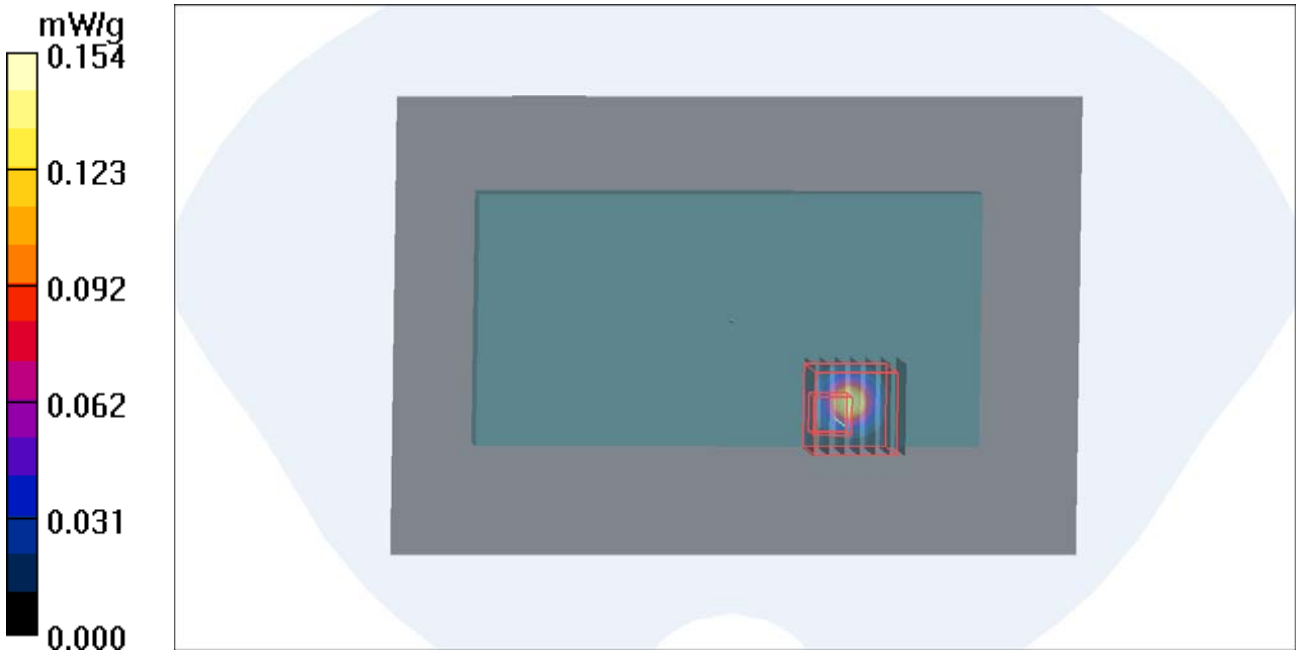
DUT: 120910C04

Communication System: WLAN_5G; Frequency: 5580 MHz;Duty Cycle: 1:1
Medium: B5G_0927 Medium parameters used: f = 5580 MHz; σ = 5.81 mho/m; ε_r = 48.6; ρ = 1000 kg/m^3
Ambient Temperature：21.8 ℃； Liquid Temperature：20.7 ℃

DASY4 Configuration:
- Probe: EX3DV4 - SN3590; ConvF(3.92, 3.92, 3.92); Calibrated: 2012/02/23
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2012/04/27
- Phantom: SAM Phantom_Left; Type: SAM V4.0; Serial: TP 1652
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Ch116/Area Scan (121x181x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.154 mW/g

Ch116/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 0.000 V/m; Power Drift = 0.000 dB
Peak SAR (extrapolated) = 0.472 W/kg
SAR(1 g) = 0.095 mW/g; SAR(10 g) = 0.022 mW/g
Maximum value of SAR (measured) = 0.234 mW/g



P137 802.11a_Front Face_1cm_Ch149

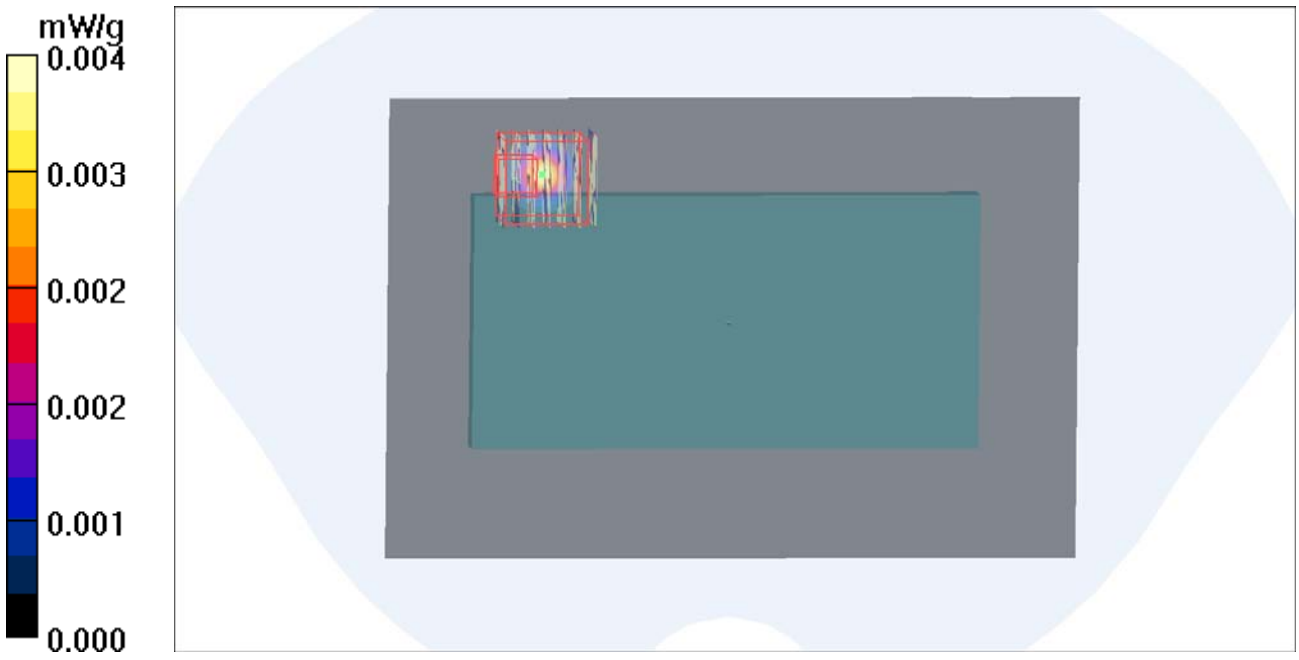
DUT: 120910C04

Communication System: WLAN_5G; Frequency: 5745 MHz;Duty Cycle: 1:1
Medium: B5G_0927 Medium parameters used: f = 5745 MHz; σ = 6.01 mho/m; ε_r = 48.5; ρ = 1000 kg/m^3
Ambient Temperature：21.8 ℃； Liquid Temperature：20.7 ℃

DASY4 Configuration:
- Probe: EX3DV4 - SN3590; ConvF(4.54, 4.54, 4.54); Calibrated: 2012/02/23
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2012/04/27
- Phantom: SAM Phantom_Left; Type: SAM V4.0; Serial: TP 1652
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Ch149/Area Scan (121x181x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.004 mW/g

Ch149/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 0.000 V/m; Power Drift = 0.000 dB
Peak SAR (extrapolated) = 0.063 W/kg
SAR(1 g) = 0.000297 mW/g; SAR(10 g) = 3.03e-005 mW/g
Maximum value of SAR (measured) = 0.063 mW/g



P138 802.11a_Rear Face_1cm_Ch149

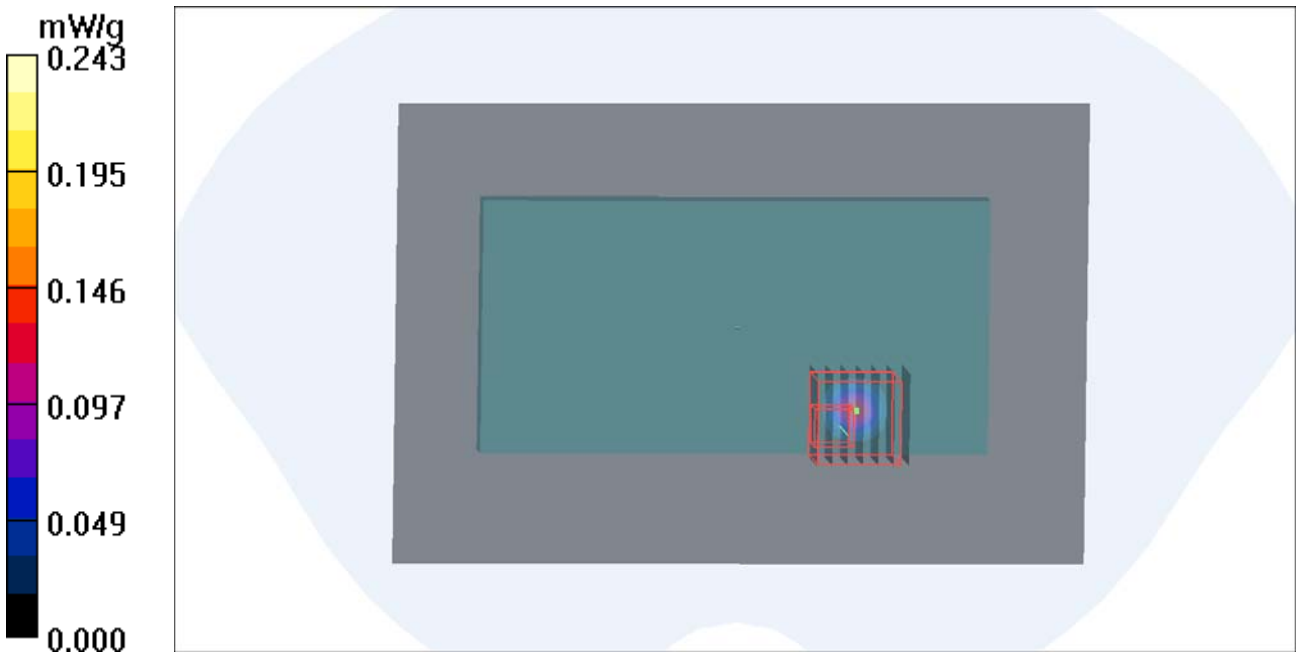
DUT: 120910C04

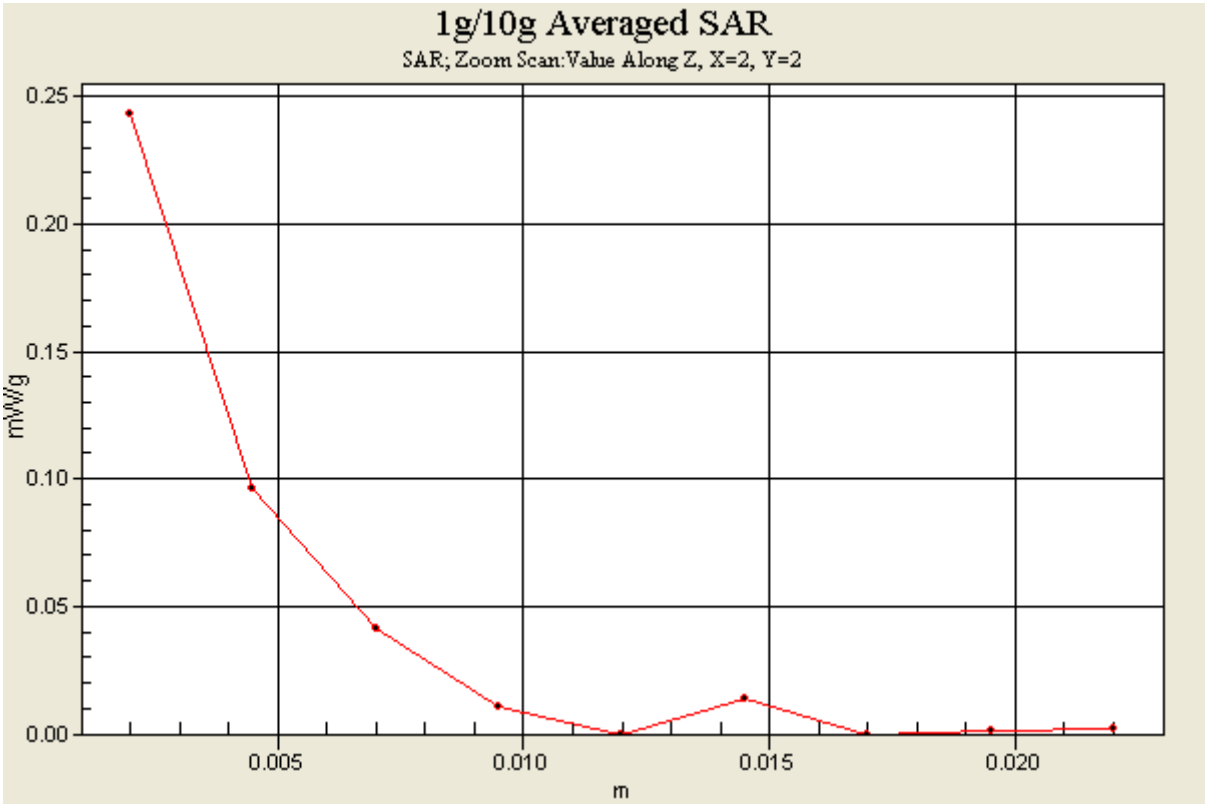
Communication System: WLAN_5G; Frequency: 5745 MHz;Duty Cycle: 1:1
Medium: B5G_0927 Medium parameters used: f = 5745 MHz; σ = 6.01 mho/m; ε_r = 48.5; ρ = 1000 kg/m^3
Ambient Temperature：21.8 ℃; Liquid Temperature：20.7 ℃

DASY4 Configuration:
- Probe: EX3DV4 - SN3590; ConvF(4.54, 4.54, 4.54); Calibrated: 2012/02/23
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2012/04/27
- Phantom: SAM Phantom_Left; Type: SAM V4.0; Serial: TP 1652
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Ch149/Area Scan (121x181x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.136 mW/g

Ch149/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 0.242 V/m; Power Drift = 0.086 dB
Peak SAR (extrapolated) = 0.363 W/kg
SAR(1 g) = 0.106 mW/g; SAR(10 g) = 0.023 mW/g
Maximum value of SAR (measured) = 0.243 mW/g




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

P139 802.11a_Left Side_1cm_Ch149

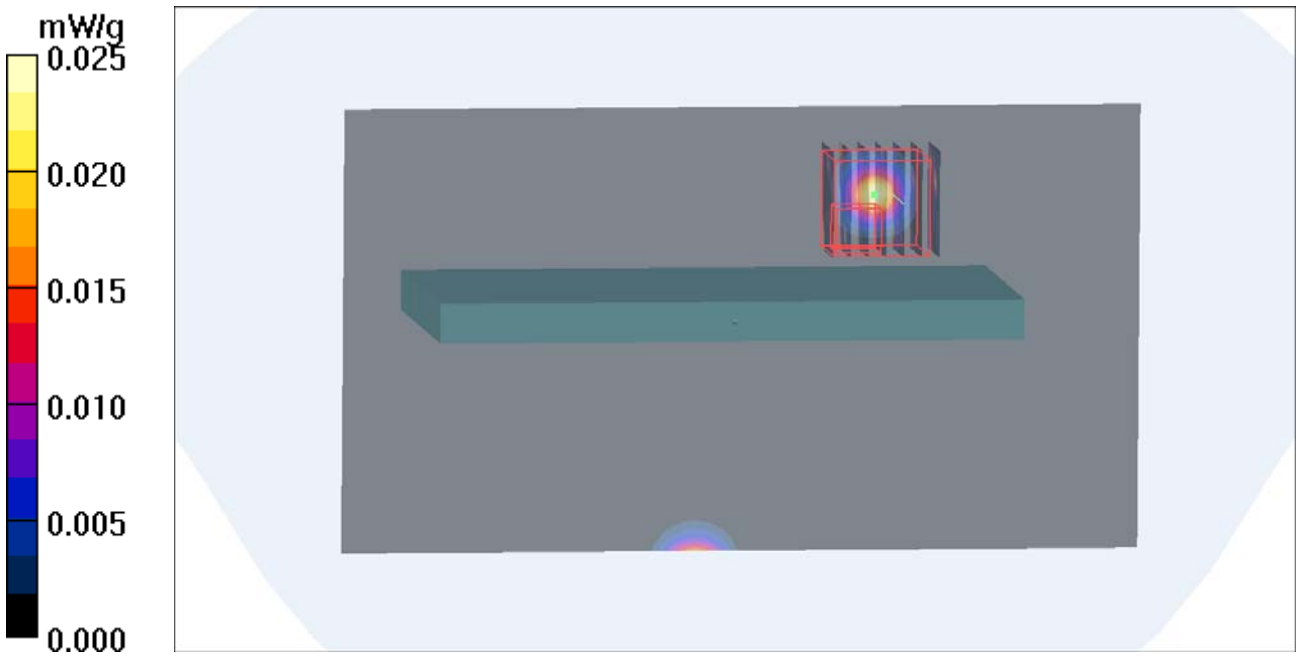
DUT: 120910C04

Communication System: WLAN_5G; Frequency: 5745 MHz;Duty Cycle: 1:1
Medium: B5G_0927 Medium parameters used: f = 5745 MHz; σ = 6.01 mho/m; ε_r = 48.5; ρ = 1000 kg/m^3
Ambient Temperature：21.8 ℃； Liquid Temperature：20.7 ℃

DASY4 Configuration:
- Probe: EX3DV4 - SN3590; ConvF(4.54, 4.54, 4.54); Calibrated: 2012/02/23
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2012/04/27
- Phantom: SAM Phantom_Left; Type: SAM V4.0; Serial: TP 1652
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Ch149/Area Scan (101x181x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.025 mW/g

Ch149/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 1.77 V/m; Power Drift = -0.010 dB
Peak SAR (extrapolated) = 0.263 W/kg
SAR(1 g) = 0.027 mW/g; SAR(10 g) = 0.00386 mW/g
Maximum value of SAR (measured) = 0.075 mW/g



P140 802.11a_Top Side_1cm_Ch149

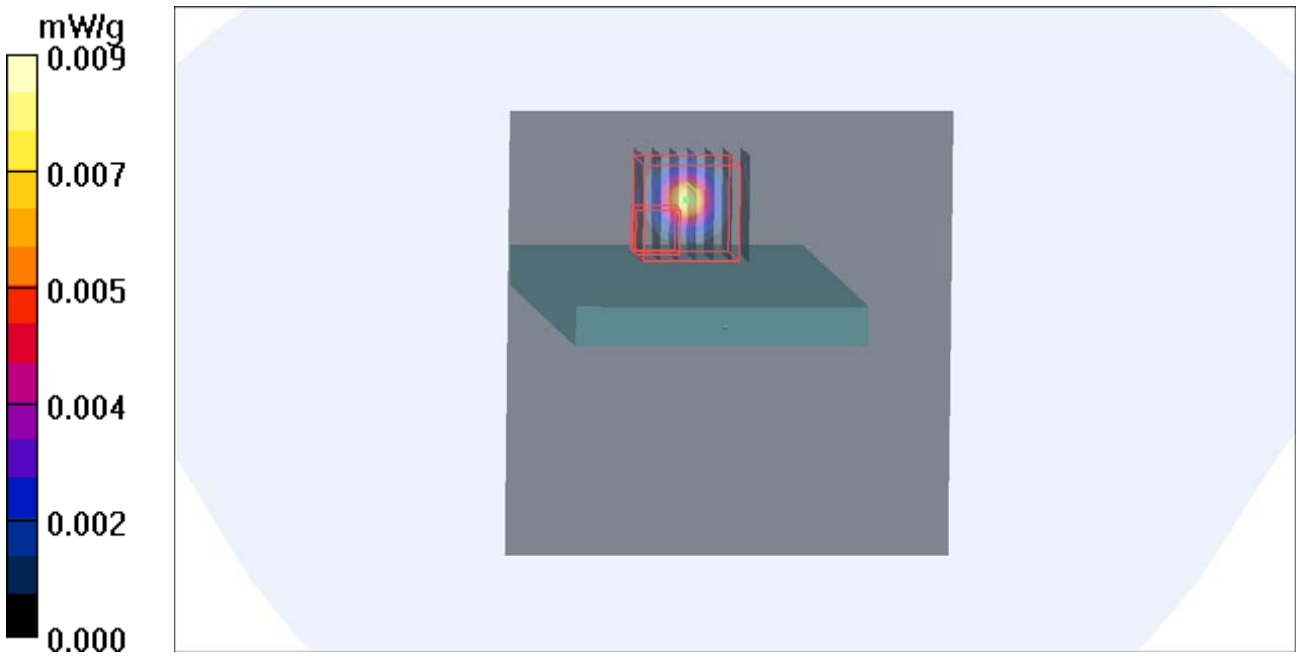
DUT: 120910C04

Communication System: WLAN_5G; Frequency: 5745 MHz;Duty Cycle: 1:1
Medium: B5G_0927 Medium parameters used: f = 5745 MHz; σ = 6.01 mho/m; ε_r = 48.5; ρ = 1000 kg/m^3
Ambient Temperature：21.8 ℃； Liquid Temperature：20.7 ℃

DASY4 Configuration:
- Probe: EX3DV4 - SN3590; ConvF(4.54, 4.54, 4.54); Calibrated: 2012/02/23
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2012/04/27
- Phantom: SAM Phantom_Left; Type: SAM V4.0; Serial: TP 1652
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Ch149/Area Scan (101x101x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.009 mW/g

Ch149/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 0.000 V/m; Power Drift = 0.000 dB
Peak SAR (extrapolated) = 0.080 W/kg
SAR(1 g) = 0.00484 mW/g; SAR(10 g) = 0.00067 mW/g
Maximum value of SAR (measured) = 0.014 mW/g



P141 802.11a_Front Face_1cm_Ch149_Earphone

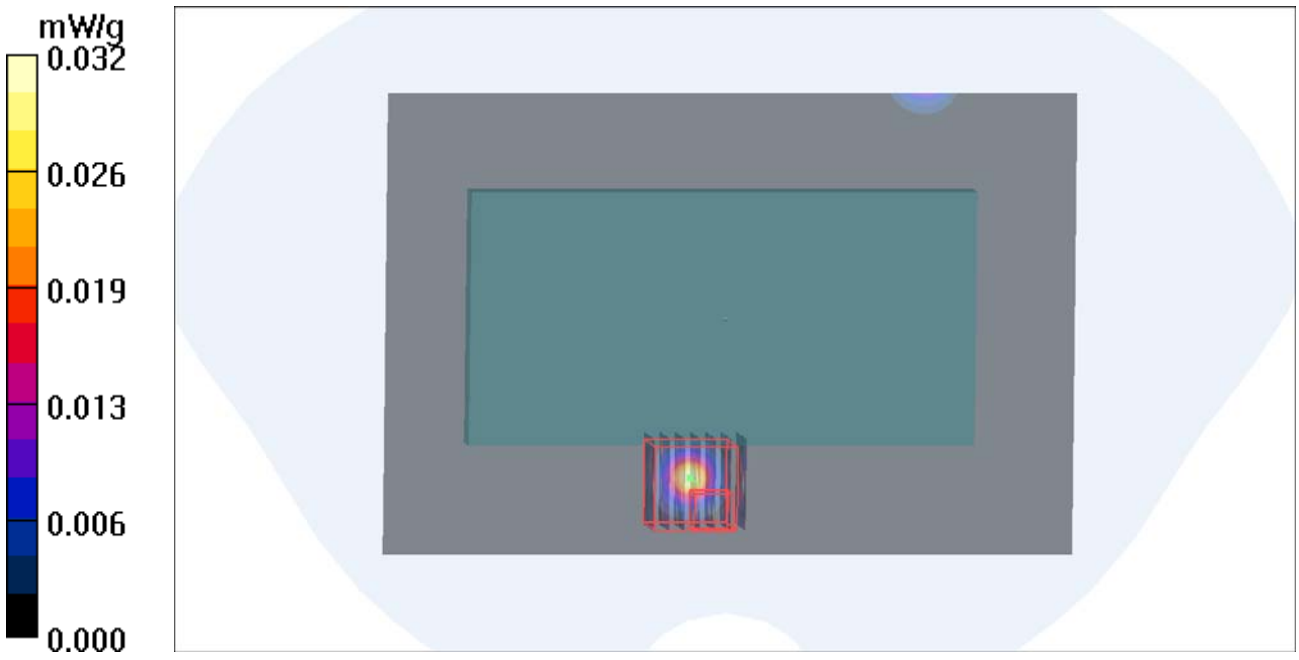
DUT: 120910C04

Communication System: WLAN_5G; Frequency: 5745 MHz;Duty Cycle: 1:1
Medium: B5G_0927 Medium parameters used: f = 5745 MHz; σ = 6.01 mho/m; ε_r = 48.5; ρ = 1000 kg/m^3
Ambient Temperature：21.8 ℃; Liquid Temperature：20.7 ℃

DASY4 Configuration:
- Probe: EX3DV4 - SN3590; ConvF(4.54, 4.54, 4.54); Calibrated: 2012/02/23
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2012/04/27
- Phantom: SAM Phantom_Left; Type: SAM V4.0; Serial: TP 1652
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Ch149/Area Scan (121x181x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.032 mW/g

Ch149/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 0.000 V/m; Power Drift = 0.000 dB
Peak SAR (extrapolated) = 0.054 W/kg
SAR(1 g) = 0.000256 mW/g; SAR(10 g) = 3.25e-005 mW/g
Maximum value of SAR (measured) = 0.062 mW/g



P142 802.11a_Rear Face_1cm_Ch149_Earphone

DUT: 120910C04

Communication System: WLAN_5G; Frequency: 5745 MHz;Duty Cycle: 1:1
Medium: B5G_0927 Medium parameters used: f = 5745 MHz; σ = 6.01 mho/m; ε_r = 48.5; ρ = 1000 kg/m^3
Ambient Temperature：21.8 ℃； Liquid Temperature：20.7 ℃

DASY4 Configuration:
- Probe: EX3DV4 - SN3590; ConvF(4.54, 4.54, 4.54); Calibrated: 2012/02/23
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2012/04/27
- Phantom: SAM Phantom_Left; Type: SAM V4.0; Serial: TP 1652
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Ch149/Area Scan (121x181x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.133 mW/g

Ch149/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 0.000 V/m; Power Drift = 0.110 dB
Peak SAR (extrapolated) = 0.679 W/kg
SAR(1 g) = 0.090 mW/g; SAR(10 g) = 0.022 mW/g
Maximum value of SAR (measured) = 0.217 mW/g