Appendix B. Plots of SAR Measurement

The plots are shown as follows.

05 GSM850_Right Cheek_Ch128

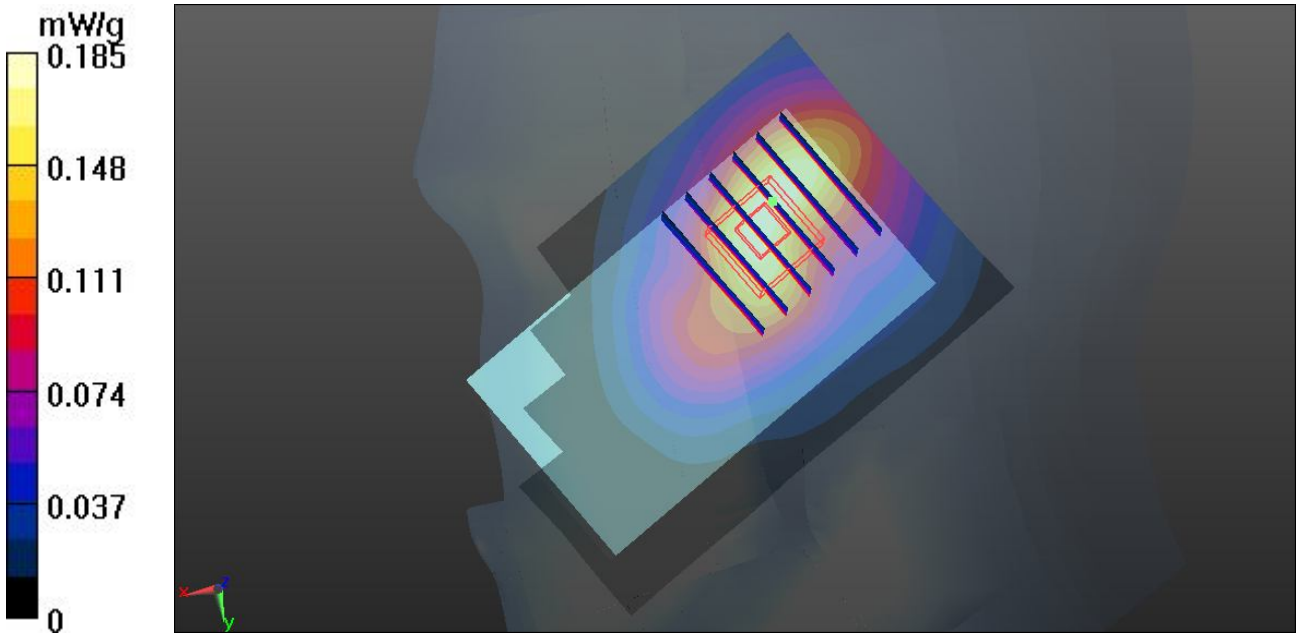
DUT: 222801

Communication System: Generic GSM; Frequency: 824.2 MHz;Duty Cycle: 1:8.3
Medium: HSL_850_120229 Medium parameters used: f = 824.2 MHz; σ = 0.892 mho/m; ε_r = 40.852; ρ = 1000 kg/m^3
Ambient Temperature：23.4 ℃; Liquid Temperature：21.6 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3819; ConvF(9.4, 9.4, 9.4); Calibrated: 16.11.2011
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1303; Calibrated: 10.11.2011
- Phantom: SAM2; Type: QD000P40CD; Serial: TP:1671
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.6.4 (4989)

Ch128/Area Scan (61x91x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.185 mW/g

Ch128/Zoom Scan (6x6x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 10.515 V/m; Power Drift = 0.03 dB
Peak SAR (extrapolated) = 0.3160
SAR(1 g) = 0.180 mW/g; SAR(10 g) = 0.109 mW/g
Maximum value of SAR (measured) = 0.189 mW/g



05 GSM850_Right Cheek_Ch128_2D

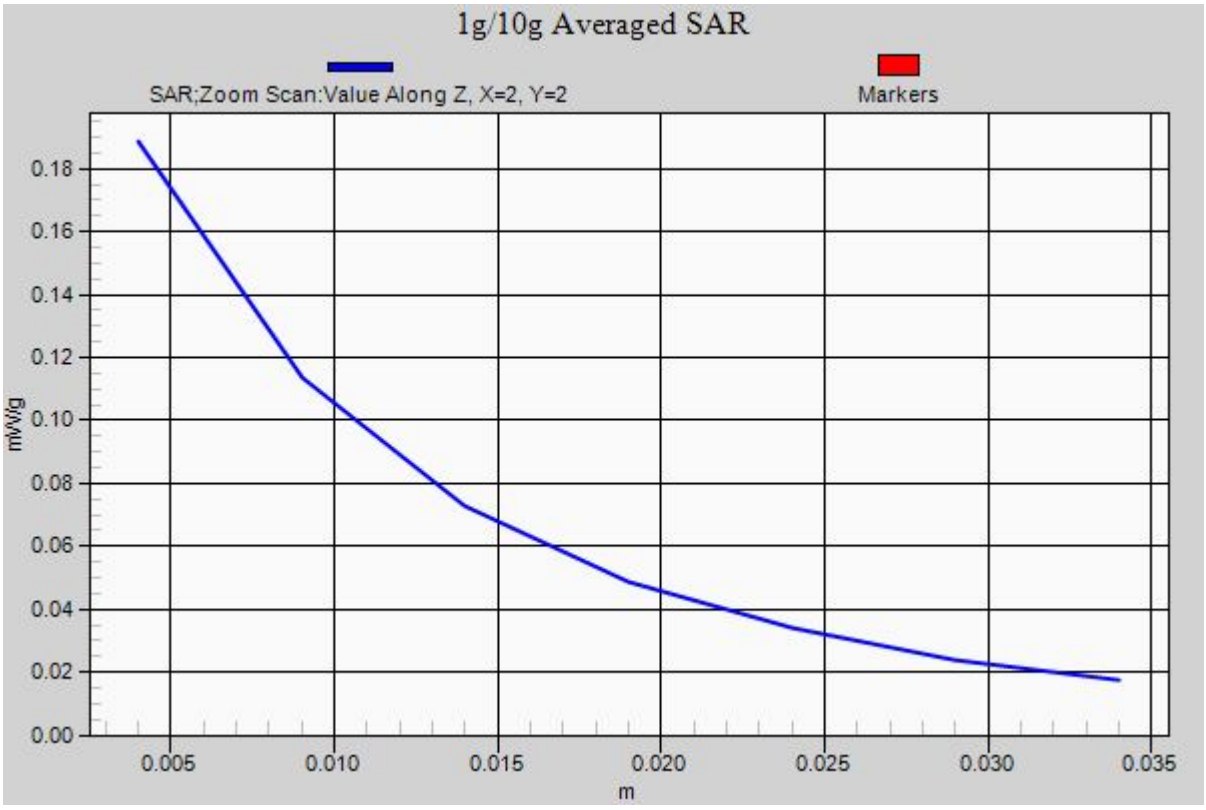
DUT: 222801

Communication System: Generic GSM; Frequency: 824.2 MHz;Duty Cycle: 1:8.3
Medium: HSL_850_120229 Medium parameters used: f = 824.2 MHz; σ = 0.892 mho/m; ε_r = 40.852; ρ = 1000 kg/m^3
Ambient Temperature：23.4 ℃; Liquid Temperature：21.6 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3819; ConvF(9.4, 9.4, 9.4); Calibrated: 16.11.2011
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1303; Calibrated: 10.11.2011
- Phantom: SAM2; Type: QD000P40CD; Serial: TP:1671
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.6.4 (4989)

Ch128/Area Scan (61x91x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.185 mW/g

Ch128/Zoom Scan (6x6x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 10.515 V/m; Power Drift = 0.03 dB
Peak SAR (extrapolated) = 0.3160
SAR(1 g) = 0.180 mW/g; SAR(10 g) = 0.109 mW/g
Maximum value of SAR (measured) = 0.189 mW/g



06 GSM850_Right Tilted_Ch128

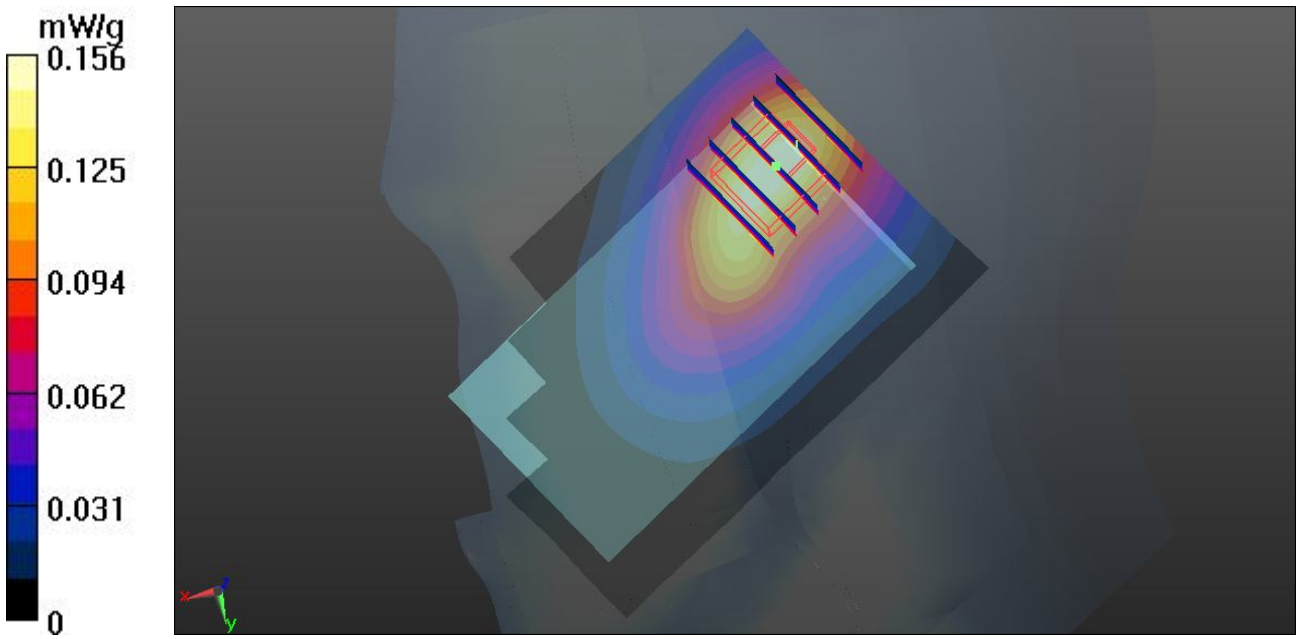
DUT: 222801

Communication System: Generic GSM; Frequency: 824.2 MHz;Duty Cycle: 1:8.3
Medium: HSL_850_120229 Medium parameters used: f = 824.2 MHz; σ = 0.892 mho/m; ε_r = 40.852; ρ = 1000 kg/m^3
Ambient Temperature：23.4 ℃; Liquid Temperature：21.6 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3819; ConvF(9.4, 9.4, 9.4); Calibrated: 16.11.2011
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1303; Calibrated: 10.11.2011
- Phantom: SAM2; Type: QD000P40CD; Serial: TP:1671
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.6.4 (4989)

Ch128/Area Scan (61x91x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.156 mW/g

Ch128/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 10.563 V/m; Power Drift = -0.05 dB
Peak SAR (extrapolated) = 0.2260
SAR(1 g) = 0.140 mW/g; SAR(10 g) = 0.090 mW/g
Maximum value of SAR (measured) = 0.152 mW/g



07 GSM850_Left Cheek_Ch128

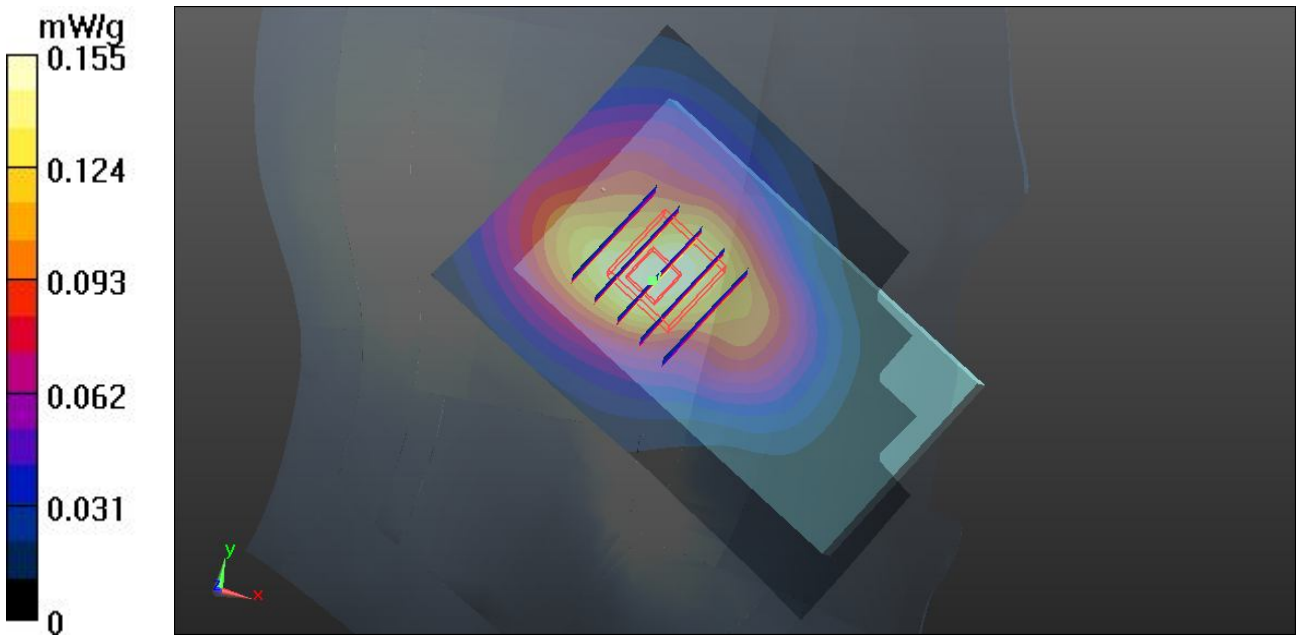
DUT: 222801

Communication System: Generic GSM; Frequency: 824.2 MHz;Duty Cycle: 1:8.3
Medium: HSL_850_120229 Medium parameters used: f = 824.2 MHz; σ = 0.892 mho/m; ε_r = 40.852; ρ = 1000 kg/m^3
Ambient Temperature：23.4 ℃; Liquid Temperature：21.6 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3819; ConvF(9.4, 9.4, 9.4); Calibrated: 16.11.2011
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1303; Calibrated: 10.11.2011
- Phantom: SAM2; Type: QD000P40CD; Serial: TP:1671
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.6.4 (4989)

Ch128/Area Scan (61x91x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.155 mW/g

Ch128/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 9.873 V/m; Power Drift = -0.02 dB
Peak SAR (extrapolated) = 0.2430
SAR(1 g) = 0.153 mW/g; SAR(10 g) = 0.100 mW/g
Maximum value of SAR (measured) = 0.163 mW/g



08 GSM850_Left Tilted_Ch128

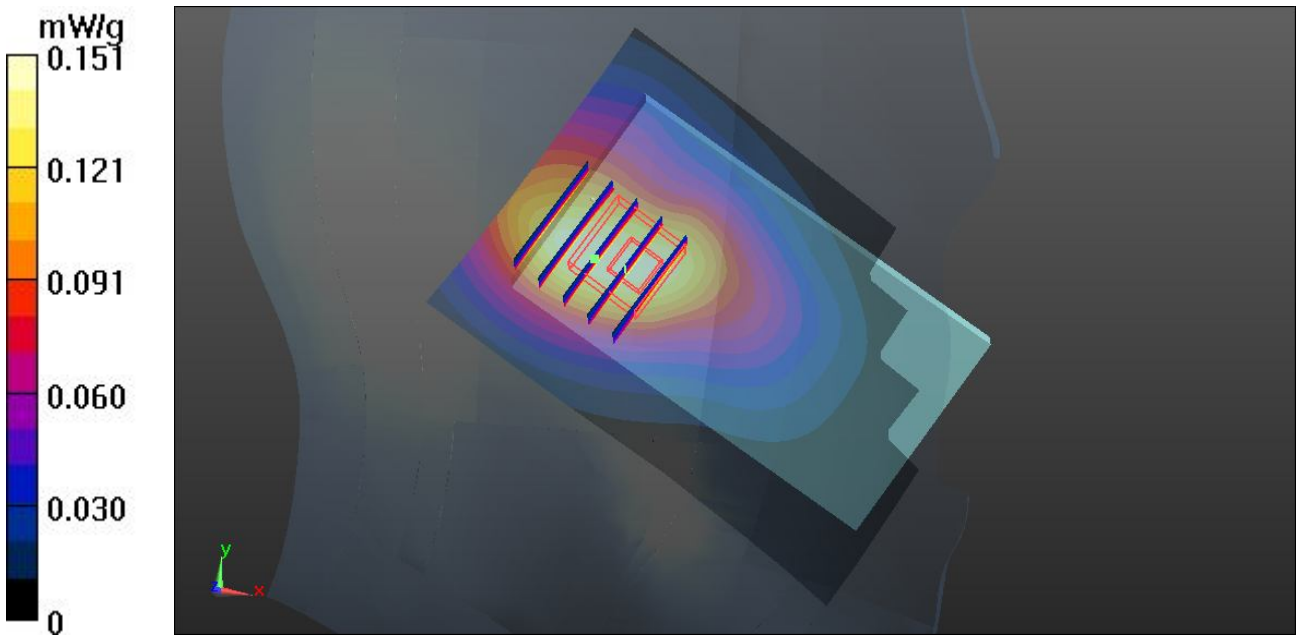
DUT: 222801

Communication System: Generic GSM; Frequency: 824.2 MHz;Duty Cycle: 1:8.3
Medium: HSL_850_120229 Medium parameters used: f = 824.2 MHz; σ = 0.892 mho/m; ε_r = 40.852; ρ = 1000 kg/m^3
Ambient Temperature：23.4 ℃; Liquid Temperature：21.6 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3819; ConvF(9.4, 9.4, 9.4); Calibrated: 16.11.2011
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1303; Calibrated: 10.11.2011
- Phantom: SAM2; Type: QD000P40CD; Serial: TP:1671
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.6.4 (4989)

Ch128/Area Scan (61x91x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.151 mW/g

Ch128/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 11.266 V/m; Power Drift = -0.02 dB
Peak SAR (extrapolated) = 0.2140
SAR(1 g) = 0.141 mW/g; SAR(10 g) = 0.093 mW/g
Maximum value of SAR (measured) = 0.148 mW/g



13 GSM1900_Right Cheek_Ch810

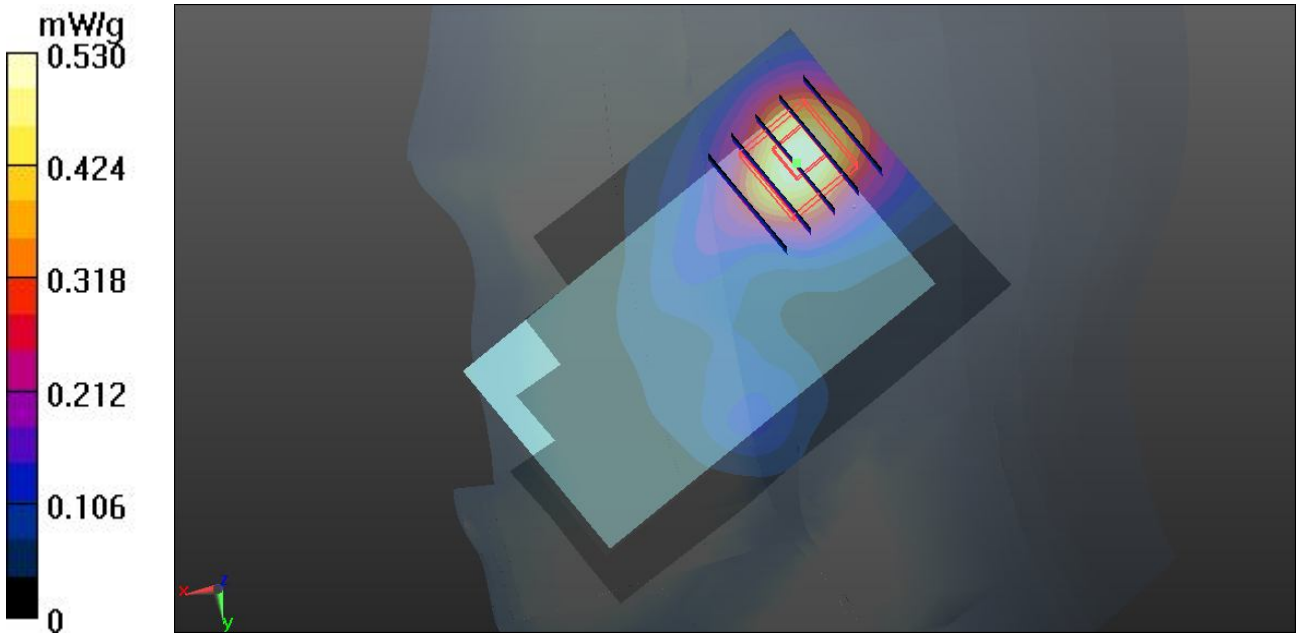
DUT: 222801

Communication System: Generic GSM; Frequency: 1909.8 MHz;Duty Cycle: 1:8.3
Medium: HSL_1900_120301 Medium parameters used: f = 1910 MHz; σ = 1.422 mho/m; ε_r = 39.308; ρ = 1000 kg/m^3
Ambient Temperature：23.4 ℃; Liquid Temperature：21.7 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3819; ConvF(8.36, 8.36, 8.36); Calibrated: 16.11.2011
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1303; Calibrated: 10.11.2011
- Phantom: SAM2; Type: QD000P40CD; Serial: TP:1671
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.6.4 (4989)

Ch810/Area Scan (61x91x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.530 mW/g

Ch810/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 13.239 V/m; Power Drift = 0.06 dB
Peak SAR (extrapolated) = 0.8740
SAR(1 g) = 0.507 mW/g; SAR(10 g) = 0.281 mW/g
Maximum value of SAR (measured) = 0.542 mW/g



14 GSM1900_Right Tilted_Ch810

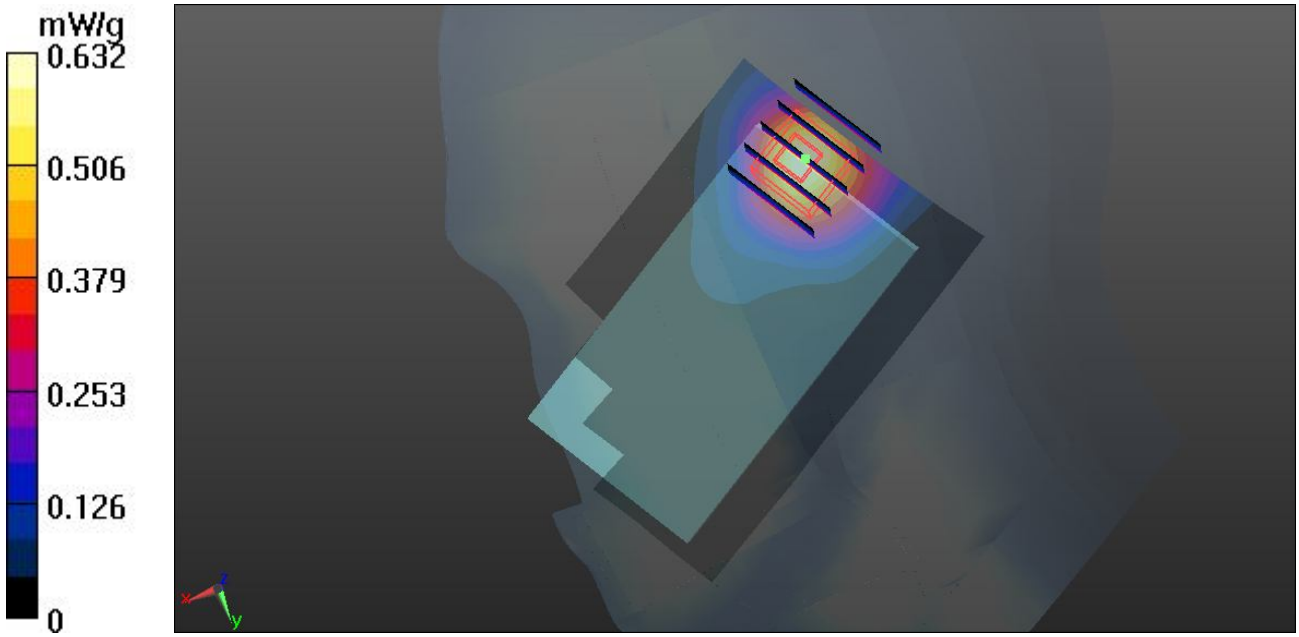
DUT: 222801

Communication System: Generic GSM; Frequency: 1909.8 MHz;Duty Cycle: 1:8.3
Medium: HSL_1900_120301 Medium parameters used: f = 1910 MHz; σ = 1.422 mho/m; ε_r = 39.308; ρ = 1000 kg/m^3
Ambient Temperature：23.4 ℃; Liquid Temperature：21.7 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3819; ConvF(8.36, 8.36, 8.36); Calibrated: 16.11.2011
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1303; Calibrated: 10.11.2011
- Phantom: SAM2; Type: QD000P40CD; Serial: TP:1671
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.6.4 (4989)

Ch810/Area Scan (61x91x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.632 mW/g

Ch810/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 18.049 V/m; Power Drift = -0.01 dB
Peak SAR (extrapolated) = 0.9740
SAR(1 g) = 0.547 mW/g; SAR(10 g) = 0.311 mW/g
Maximum value of SAR (measured) = 0.570 mW/g



14 GSM1900_Right Tilted_Ch810_2D

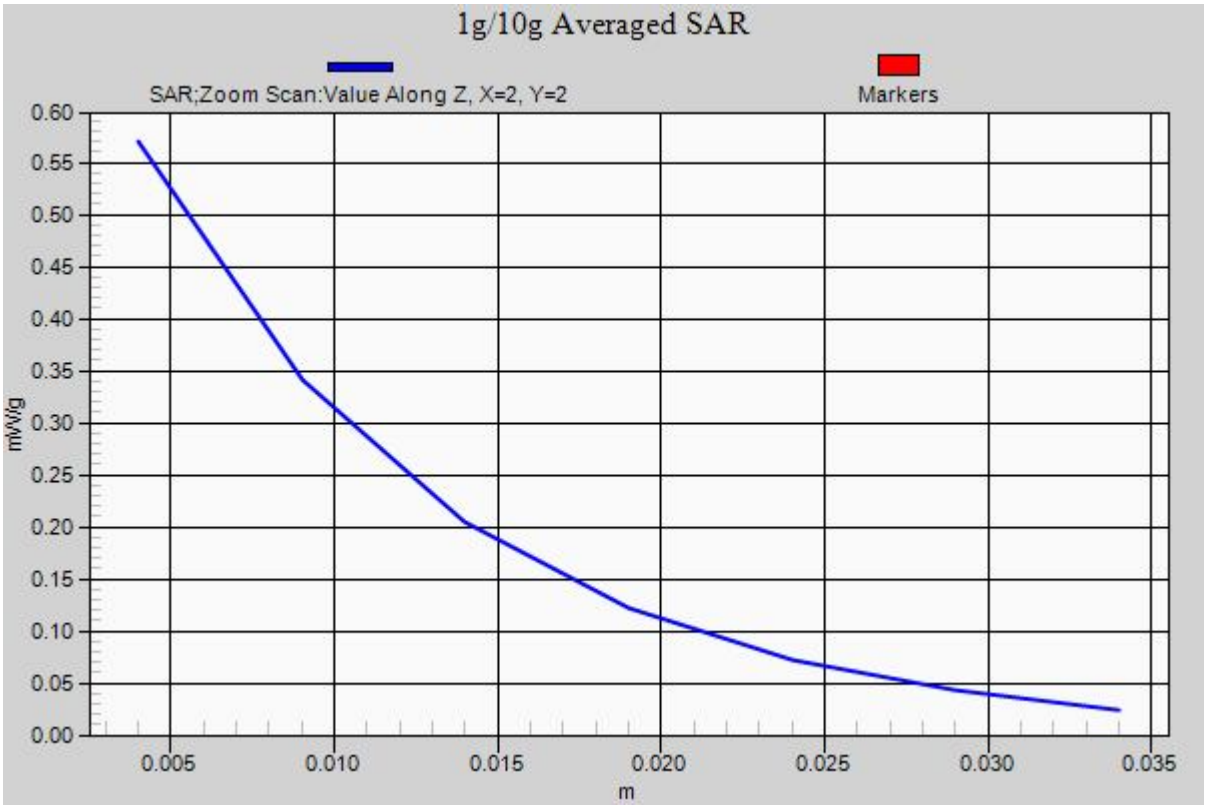
DUT: 222801

Communication System: Generic GSM; Frequency: 1909.8 MHz;Duty Cycle: 1:8.3
Medium: HSL_1900_120301 Medium parameters used: f = 1910 MHz; σ = 1.422 mho/m; ε_r = 39.308; ρ = 1000 kg/m^3
Ambient Temperature：23.4 ℃; Liquid Temperature：21.7 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3819; ConvF(8.36, 8.36, 8.36); Calibrated: 16.11.2011
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1303; Calibrated: 10.11.2011
- Phantom: SAM2; Type: QD000P40CD; Serial: TP:1671
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.6.4 (4989)

Ch810/Area Scan (61x91x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.632 mW/g

Ch810/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 18.049 V/m; Power Drift = -0.01 dB
Peak SAR (extrapolated) = 0.9740
SAR(1 g) = 0.547 mW/g; SAR(10 g) = 0.311 mW/g
Maximum value of SAR (measured) = 0.570 mW/g



15 GSM1900_Left Cheek_Ch810

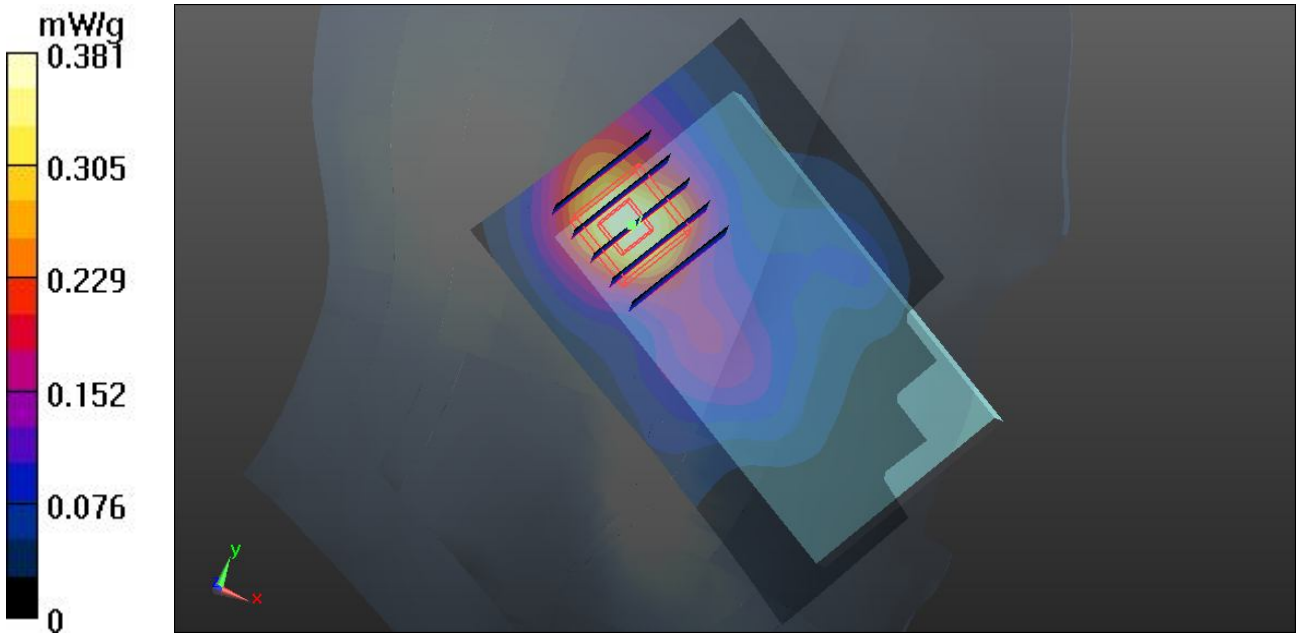
DUT: 222801

Communication System: Generic GSM; Frequency: 1909.8 MHz;Duty Cycle: 1:8.3
Medium: HSL_1900_120301 Medium parameters used: f = 1910 MHz; σ = 1.422 mho/m; ε_r = 39.308; ρ = 1000 kg/m^3
Ambient Temperature：23.4 ℃; Liquid Temperature：21.7 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3819; ConvF(8.36, 8.36, 8.36); Calibrated: 16.11.2011
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1303; Calibrated: 10.11.2011
- Phantom: SAM2; Type: QD000P40CD; Serial: TP:1671
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.6.4 (4989)

Ch810/Area Scan (61x91x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.381 mW/g

Ch810/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 12.580 V/m; Power Drift = 0.09 dB
Peak SAR (extrapolated) = 0.5740
SAR(1 g) = 0.354 mW/g; SAR(10 g) = 0.203 mW/g
Maximum value of SAR (measured) = 0.385 mW/g



16 GSM1900_Left Tilted_Ch810

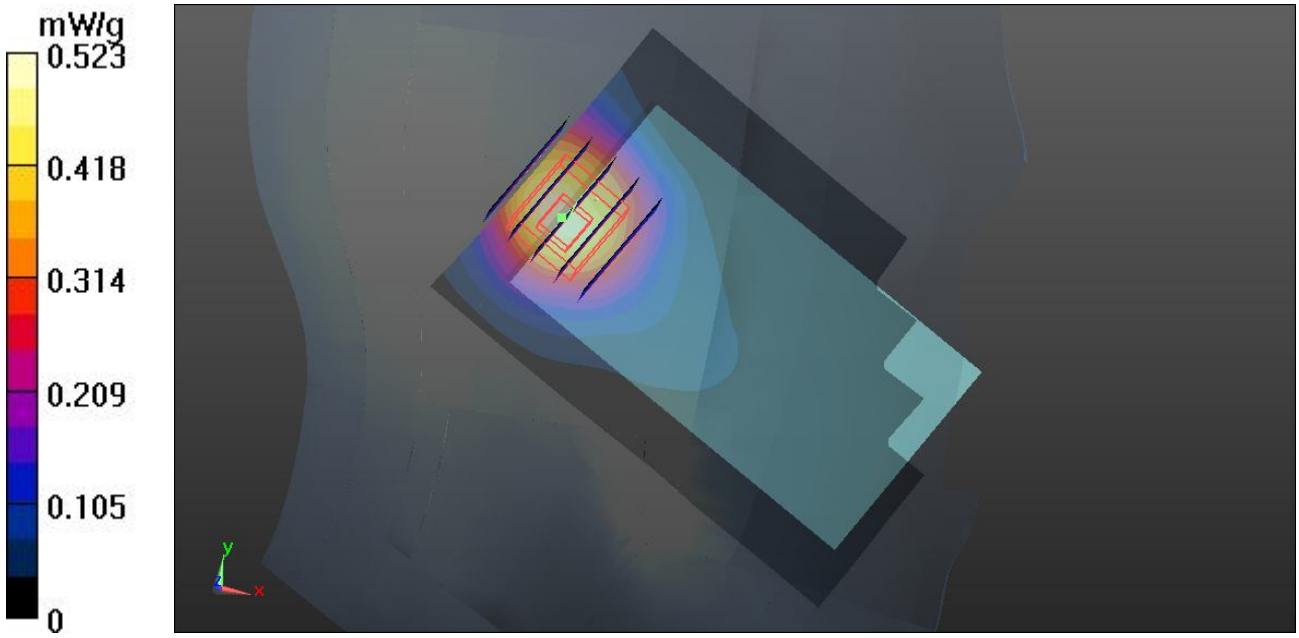
DUT: 222801

Communication System: Generic GSM; Frequency: 1909.8 MHz;Duty Cycle: 1:8.3
Medium: HSL_1900_120301 Medium parameters used: f = 1910 MHz; σ = 1.422 mho/m; ε_r = 39.308; ρ = 1000 kg/m^3
Ambient Temperature：23.4 ℃; Liquid Temperature：21.7 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3819; ConvF(8.36, 8.36, 8.36); Calibrated: 16.11.2011
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1303; Calibrated: 10.11.2011
- Phantom: SAM2; Type: QD000P40CD; Serial: TP:1671
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.6.4 (4989)

Ch810/Area Scan (61x91x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.523 mW/g

Ch810/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 17.005 V/m; Power Drift = 0.06 dB
Peak SAR (extrapolated) = 0.7650
SAR(1 g) = 0.455 mW/g; SAR(10 g) = 0.266 mW/g
Maximum value of SAR (measured) = 0.486 mW/g



01 GSM850_GPRS12_Face_1.5cm_Ch189

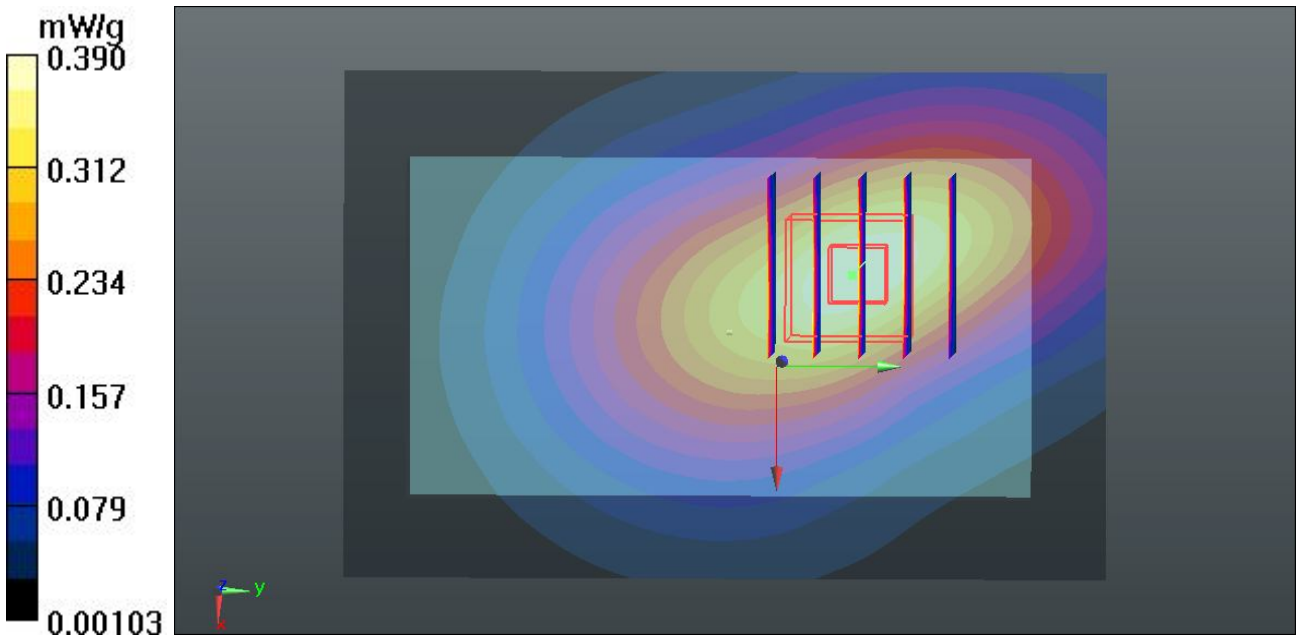
DUT: 222801

Communication System: GPRS/EDGE12; Frequency: 836.4 MHz;Duty Cycle: 1:2
Medium: MSL_850_120229 Medium parameters used: f = 836.4 MHz; σ = 0.978 mho/m; ε_r = 54.357; ρ = 1000 kg/m^3
Ambient Temperature：23.7 ℃; Liquid Temperature：21.5 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3819; ConvF(9.72, 9.72, 9.72); Calibrated: 16.11.2011
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1303; Calibrated: 10.11.2011
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1670
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.6.4 (4989)

Ch189/Area Scan (61x91x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.390 mW/g

Ch189/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 17.713 V/m; Power Drift = -0.03 dB
Peak SAR (extrapolated) = 0.5010
SAR(1 g) = 0.358 mW/g; SAR(10 g) = 0.246 mW/g
Maximum value of SAR (measured) = 0.384 mW/g



02 GSM850_GPRS12_Bottom_1.5cm_Ch189

DUT: 222801

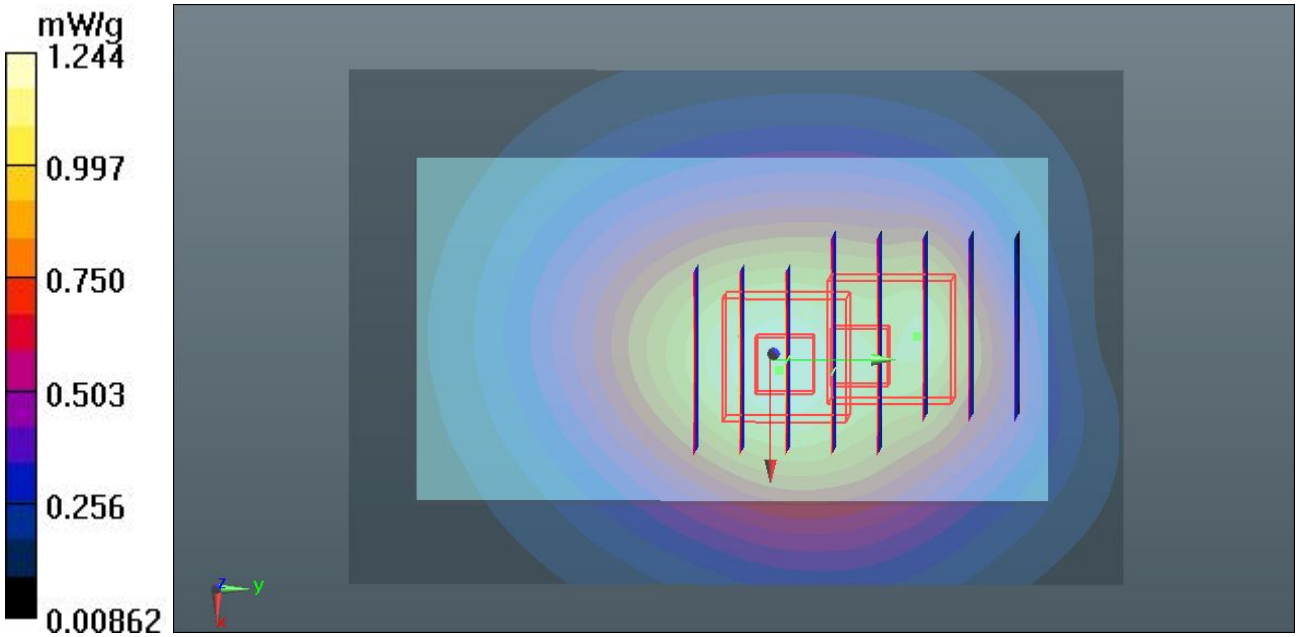
Communication System: GPRS/EDGE12; Frequency: 836.4 MHz;Duty Cycle: 1:2
Medium: MSL_850_120229 Medium parameters used: f = 836.4 MHz; σ = 0.978 mho/m; ε_r = 54.357; ρ = 1000 kg/m^3
Ambient Temperature：23.7 ℃; Liquid Temperature：21.5 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3819; ConvF(9.72, 9.72, 9.72); Calibrated: 16.11.2011
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1303; Calibrated: 10.11.2011
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1670
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.6.4 (4989)

Ch189/Area Scan (61x91x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 1.244 mW/g

Ch189/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 34.162 V/m; Power Drift = -0.05 dB
Peak SAR (extrapolated) = 1.5510
SAR(1 g) = 1.14 mW/g; SAR(10 g) = 0.810 mW/g
Maximum value of SAR (measured) = 1.212 mW/g

Ch189/Zoom Scan (5x5x7)/Cube 1: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 34.162 V/m; Power Drift = -0.05 dB
Peak SAR (extrapolated) = 1.4910
SAR(1 g) = 0.998 mW/g; SAR(10 g) = 0.693 mW/g
Maximum value of SAR (measured) = 1.153 mW/g



02 GSM850_GPRS12_Bottom_1.5cm_Ch189_2D

DUT: 222801

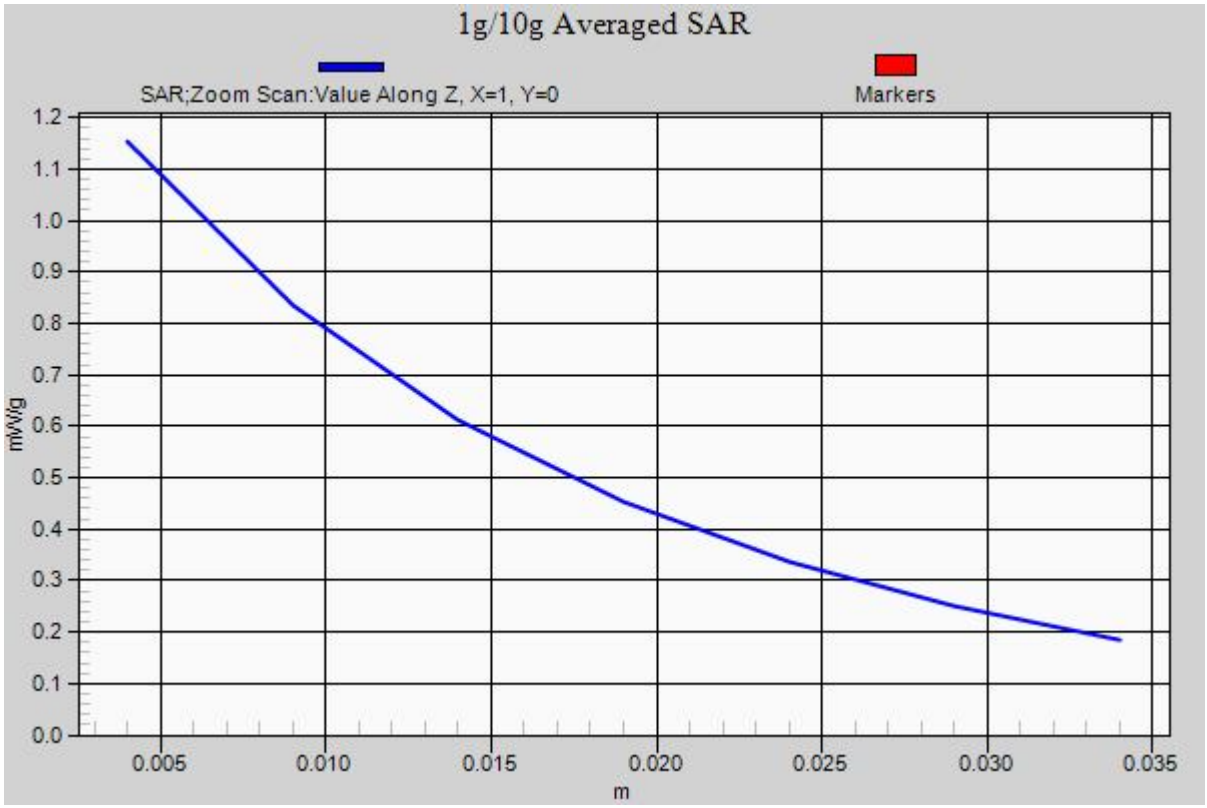
Communication System: GPRS/EDGE12; Frequency: 836.4 MHz;Duty Cycle: 1:2
Medium: MSL_850_120229 Medium parameters used: f = 836.4 MHz; σ = 0.978 mho/m; ε_r = 54.357; ρ = 1000 kg/m^3
Ambient Temperature：23.7 ℃; Liquid Temperature：21.5 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3819; ConvF(9.72, 9.72, 9.72); Calibrated: 16.11.2011
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1303; Calibrated: 10.11.2011
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1670
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.6.4 (4989)

Ch189/Area Scan (61x91x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 1.244 mW/g

Ch189/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 34.162 V/m; Power Drift = -0.05 dB
Peak SAR (extrapolated) = 1.5510
SAR(1 g) = 1.14 mW/g; SAR(10 g) = 0.810 mW/g
Maximum value of SAR (measured) = 1.212 mW/g

Ch189/Zoom Scan (5x5x7)/Cube 1: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 34.162 V/m; Power Drift = -0.05 dB
Peak SAR (extrapolated) = 1.4910
SAR(1 g) = 0.998 mW/g; SAR(10 g) = 0.693 mW/g
Maximum value of SAR (measured) = 1.153 mW/g


1g/10g Averaged SAR
SAR;Zoom Scan:Value Along Z, X=1, Y=0
Markers
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
mW/g
0.005
0.010
0.015
0.020
0.025
0.030
0.035
m

03 GSM850_GPRS12_Bottom_1.5cm_Ch128

DUT: 222801

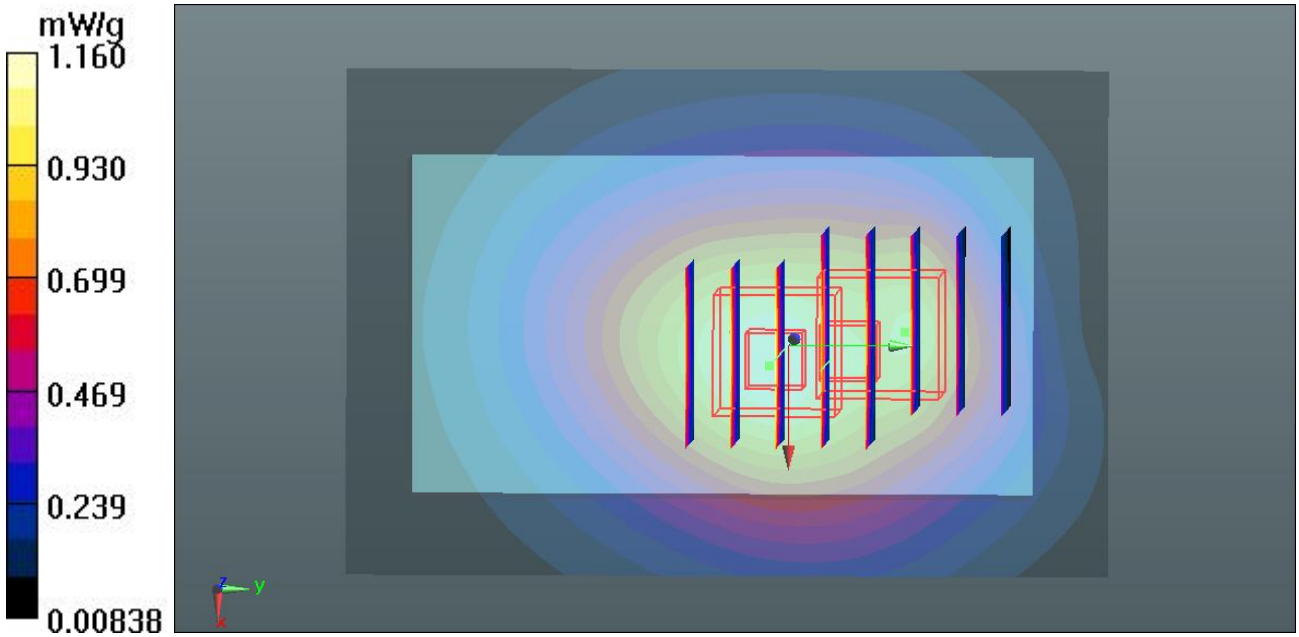
Communication System: GPRS/EDGE12; Frequency: 824.2 MHz;Duty Cycle: 1:2
Medium: MSL_850_120229 Medium parameters used: f = 824.2 MHz; σ = 0.966 mho/m; ε_r = 54.448; ρ = 1000 kg/m^3
Ambient Temperature：23.7 ℃; Liquid Temperature：21.5 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3819; ConvF(9.72, 9.72, 9.72); Calibrated: 16.11.2011
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1303; Calibrated: 10.11.2011
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1670
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.6.4 (4989)

Ch128/Area Scan (61x91x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 1.160 mW/g

Ch128/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 33.146 V/m; Power Drift = -0.05 dB
Peak SAR (extrapolated) = 1.4760
SAR(1 g) = 1.09 mW/g; SAR(10 g) = 0.769 mW/g
Maximum value of SAR (measured) = 1.157 mW/g

Ch128/Zoom Scan (5x5x7)/Cube 1: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 33.146 V/m; Power Drift = -0.05 dB
Peak SAR (extrapolated) = 1.3980
SAR(1 g) = 0.945 mW/g; SAR(10 g) = 0.654 mW/g
Maximum value of SAR (measured) = 1.081 mW/g



04 GSM850_GPRS12_Bottom_1.5cm_Ch251

DUT: 222801

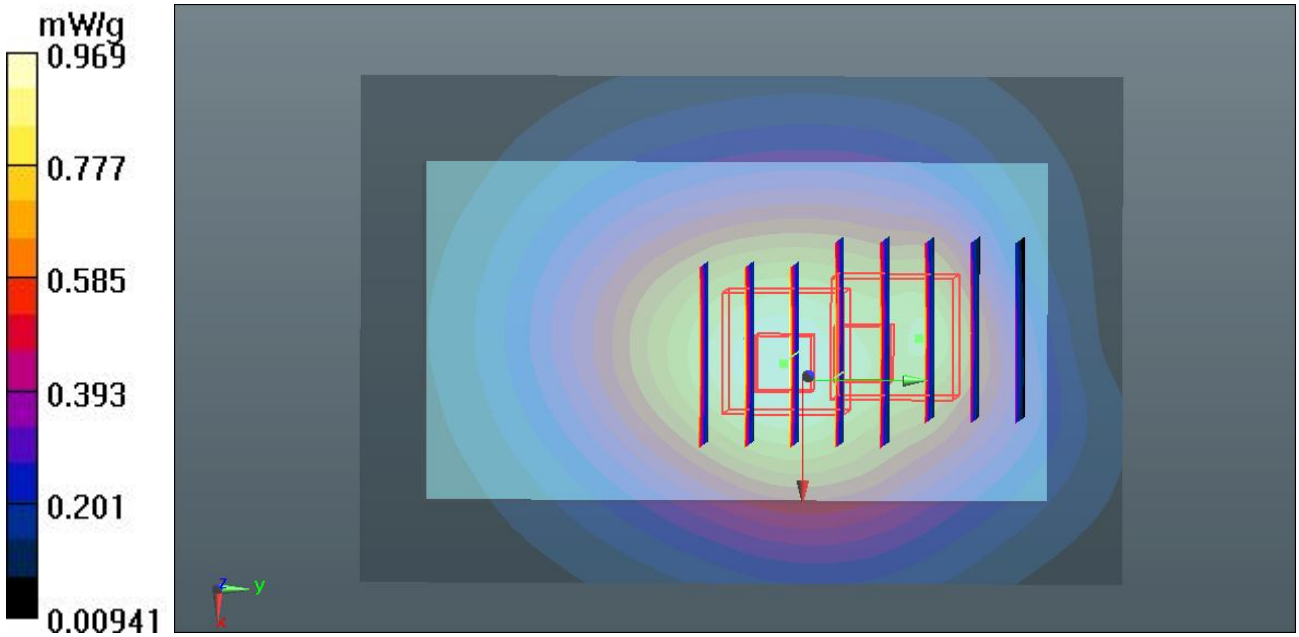
Communication System: GPRS/EDGE12; Frequency: 848.8 MHz;Duty Cycle: 1:2
Medium: MSL_850_120229 Medium parameters used: f = 849 MHz; σ = 0.989 mho/m; ε_r = 54.251; ρ = 1000 kg/m^3
Ambient Temperature：23.7 ℃; Liquid Temperature：21.5 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3819; ConvF(9.72, 9.72, 9.72); Calibrated: 16.11.2011
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1303; Calibrated: 10.11.2011
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1670
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.6.4 (4989)

Ch251/Area Scan (61x91x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.969 mW/g

Ch251/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 30.193 V/m; Power Drift = -0.01 dB
Peak SAR (extrapolated) = 1.2500
SAR(1 g) = 0.923 mW/g; SAR(10 g) = 0.653 mW/g
Maximum value of SAR (measured) = 0.980 mW/g

Ch251/Zoom Scan (5x5x7)/Cube 1: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 30.193 V/m; Power Drift = -0.01 dB
Peak SAR (extrapolated) = 1.1870
SAR(1 g) = 0.800 mW/g; SAR(10 g) = 0.552 mW/g
Maximum value of SAR (measured) = 0.912 mW/g



Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab Date: 29.02.2012

09 GSM1900_GPRS12_Face_1.5cm_Ch810

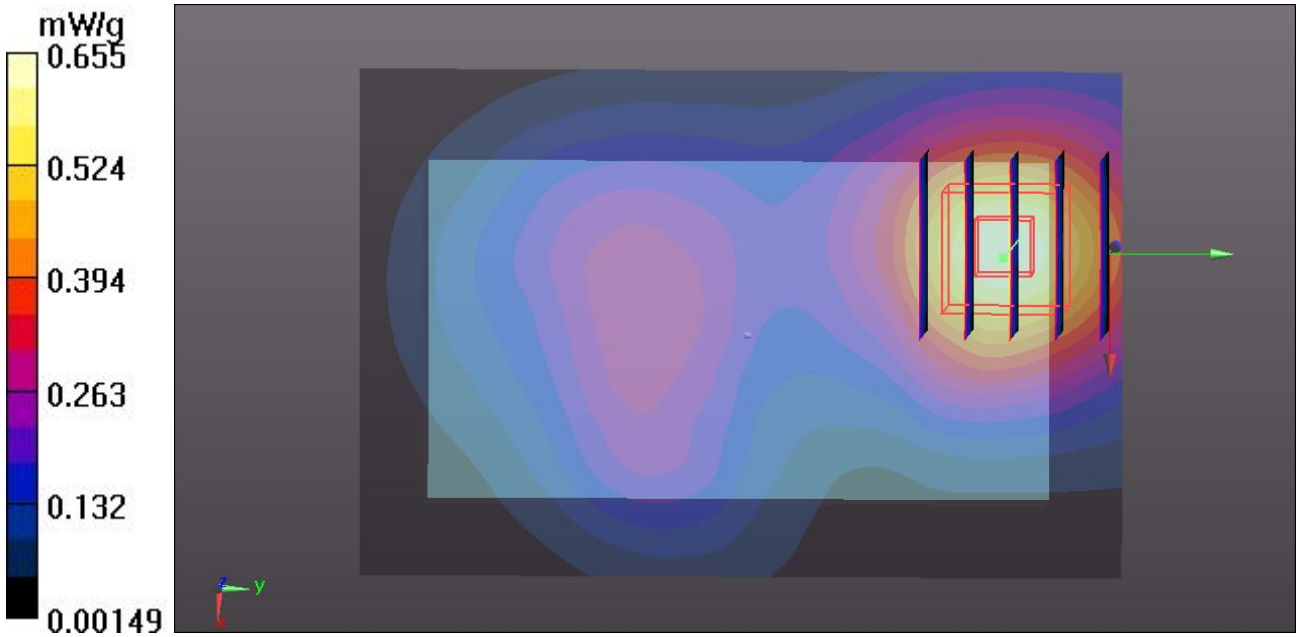
DUT: 222801

Communication System: GPRS/EDGE12; Frequency: 1909.8 MHz;Duty Cycle: 1:2
Medium: MSL_1900_120229 Medium parameters used: f = 1910 MHz; σ = 1.511 mho/m; ε_r = 53.819; ρ = 1000 kg/m^3
Ambient Temperature：23.5 ℃; Liquid Temperature：21.3 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3819; ConvF(7.71, 7.71, 7.71); Calibrated: 16.11.2011
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1303; Calibrated: 10.11.2011
- Phantom: SAM3; Type: QDOVA002AA; Serial: TP:1149
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.6.4 (4989)

Ch810/Area Scan (61x91x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.655 mW/g

Ch810/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 17.367 V/m; Power Drift = -0.07 dB
Peak SAR (extrapolated) = 0.9640
SAR(1 g) = 0.607 mW/g; SAR(10 g) = 0.368 mW/g
Maximum value of SAR (measured) = 0.658 mW/g



10 GSM1900_GPRS12_Bottom_1.5cm_Ch810

DUT: 222801

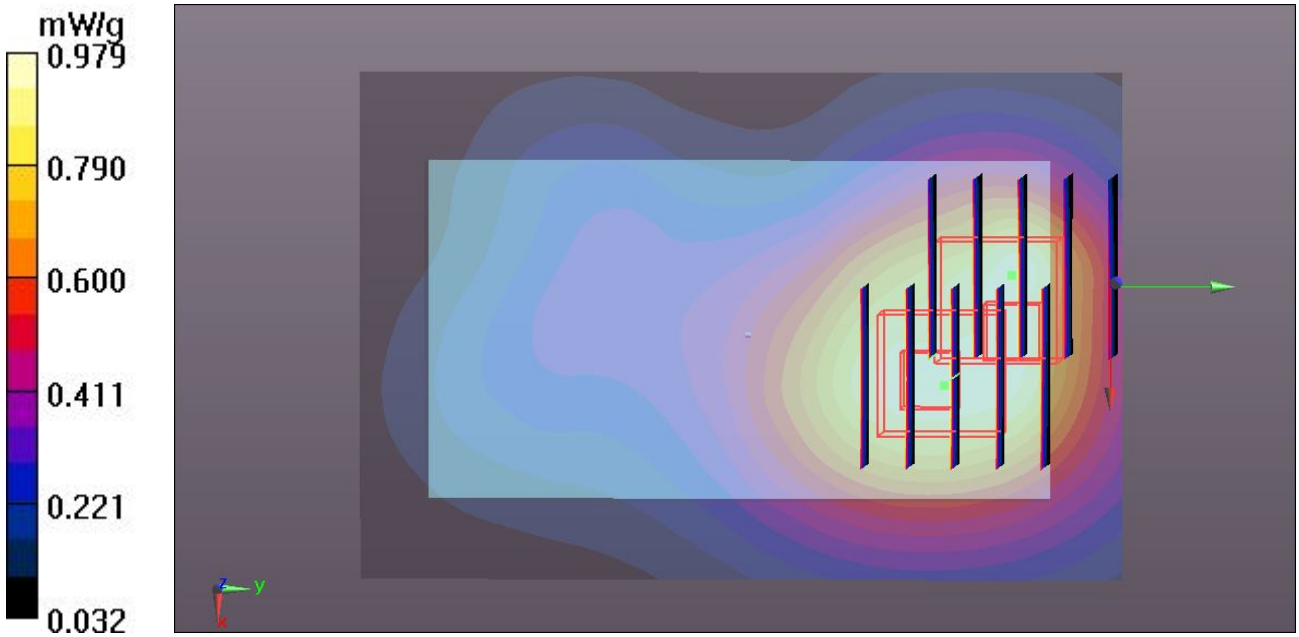
Communication System: GPRS/EDGE12; Frequency: 1909.8 MHz;Duty Cycle: 1:2
Medium: MSL_1900_120229 Medium parameters used: f = 1910 MHz; σ = 1.511 mho/m; ε_r = 53.819; ρ = 1000 kg/m^3
Ambient Temperature：23.5 ℃; Liquid Temperature：21.3 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3819; ConvF(7.71, 7.71, 7.71); Calibrated: 16.11.2011
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1303; Calibrated: 10.11.2011
- Phantom: SAM3; Type: QDOVA002AA; Serial: TP:1149
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.6.4 (4989)

Ch810/Area Scan (61x91x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.979 mW/g

Ch810/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 23.791 V/m; Power Drift = 0.00073 dB
Peak SAR (extrapolated) = 1.4730
SAR(1 g) = 0.917 mW/g; SAR(10 g) = 0.578 mW/g
Maximum value of SAR (measured) = 0.977 mW/g

Ch810/Zoom Scan (5x5x7)/Cube 1: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 23.791 V/m; Power Drift = 0.00073 dB
Peak SAR (extrapolated) = 1.4740
SAR(1 g) = 0.851 mW/g; SAR(10 g) = 0.540 mW/g
Maximum value of SAR (measured) = 0.971 mW/g



11 GSM1900_GPRS12_Bottom_1.5cm_Ch512

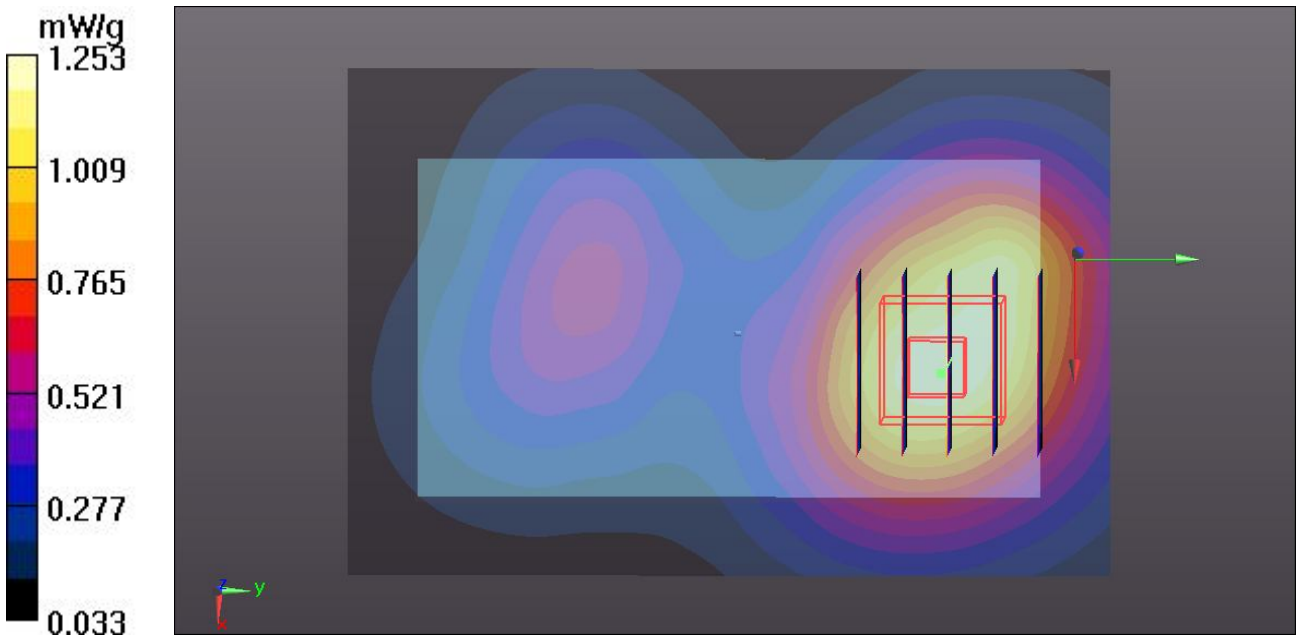
DUT: 222801

Communication System: GPRS/EDGE12; Frequency: 1850.2 MHz;Duty Cycle: 1:2
Medium: MSL_1900_120229 Medium parameters used: f = 1850.2 MHz; σ = 1.44 mho/m; ε_r = 53.854; ρ = 1000 kg/m^3
Ambient Temperature：23.5 ℃; Liquid Temperature：21.3 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3819; ConvF(7.71, 7.71, 7.71); Calibrated: 16.11.2011
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1303; Calibrated: 10.11.2011
- Phantom: SAM3; Type: QDOVA002AA; Serial: TP:1149
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.6.4 (4989)

Ch512/Area Scan (61x91x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 1.253 mW/g

Ch512/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 25.990 V/m; Power Drift = -0.0013 dB
Peak SAR (extrapolated) = 1.8290
SAR(1 g) = 1.15 mW/g; SAR(10 g) = 0.721 mW/g
Maximum value of SAR (measured) = 1.240 mW/g



11 GSM1900_GPRS12_Bottom_1.5cm_Ch512_2D

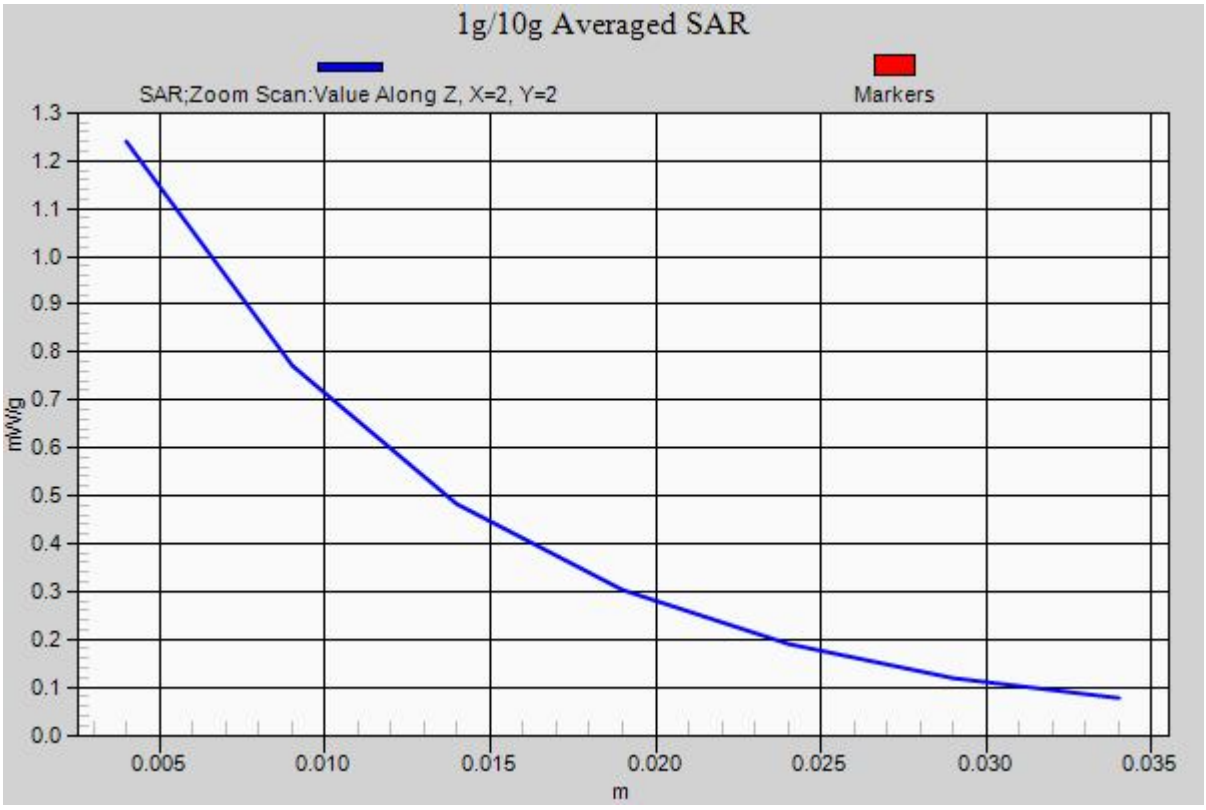
DUT: 222801

Communication System: GPRS/EDGE12; Frequency: 1850.2 MHz;Duty Cycle: 1:2
Medium: MSL_1900_120229 Medium parameters used: f = 1850.2 MHz; σ = 1.44 mho/m; ε_r = 53.854; ρ = 1000 kg/m^3
Ambient Temperature：23.5 ℃; Liquid Temperature：21.3 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3819; ConvF(7.71, 7.71, 7.71); Calibrated: 16.11.2011
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1303; Calibrated: 10.11.2011
- Phantom: SAM3; Type: QDOVA002AA; Serial: TP:1149
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.6.4 (4989)

Ch512/Area Scan (61x91x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 1.253 mW/g

Ch512/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 25.990 V/m; Power Drift = -0.0013 dB
Peak SAR (extrapolated) = 1.8290
SAR(1 g) = 1.15 mW/g; SAR(10 g) = 0.721 mW/g
Maximum value of SAR (measured) = 1.240 mW/g



12 GSM1900_GPRS12_Bottom_1.5cm_Ch661

DUT: 222801

Communication System: GPRS/EDGE12; Frequency: 1880 MHz;Duty Cycle: 1:2
Medium: MSL_1900_120229 Medium parameters used: f = 1880 MHz; σ = 1.479 mho/m; ε_r = 53.835; ρ = 1000 kg/m^3
Ambient Temperature：23.5 ℃; Liquid Temperature：21.3 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3819; ConvF(7.71, 7.71, 7.71); Calibrated: 16.11.2011
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1303; Calibrated: 10.11.2011
- Phantom: SAM3; Type: QDOVA002AA; Serial: TP:1149
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.6.4 (4989)

Ch661/Area Scan (61x91x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 1.169 mW/g

Ch661/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 25.043 V/m; Power Drift = 0.0091 dB
Peak SAR (extrapolated) = 1.7270
SAR(1 g) = 1.09 mW/g; SAR(10 g) = 0.681 mW/g
Maximum value of SAR (measured) = 1.162 mW/g