Appendix B.   Plots of SAR Measurement

The plots are shown as follows.

01 GSM1900_Right Cheek_Ch810

DUT: 222402

Communication System: Generic GSM; Frequency: 1909.8 MHz;Duty Cycle: 1:8.3
Medium: HSL_1900_120305 Medium parameters used: f = 1910 MHz; σ = 1.43 mho/m; ε_r = 40.64; ρ

= 1000 kg/m^3
Ambient Temperature：23.4 ℃；Liquid Temperature：21.6 ℃

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 (51x101x1): Measurement grid: dx=15mm, dy=15mm
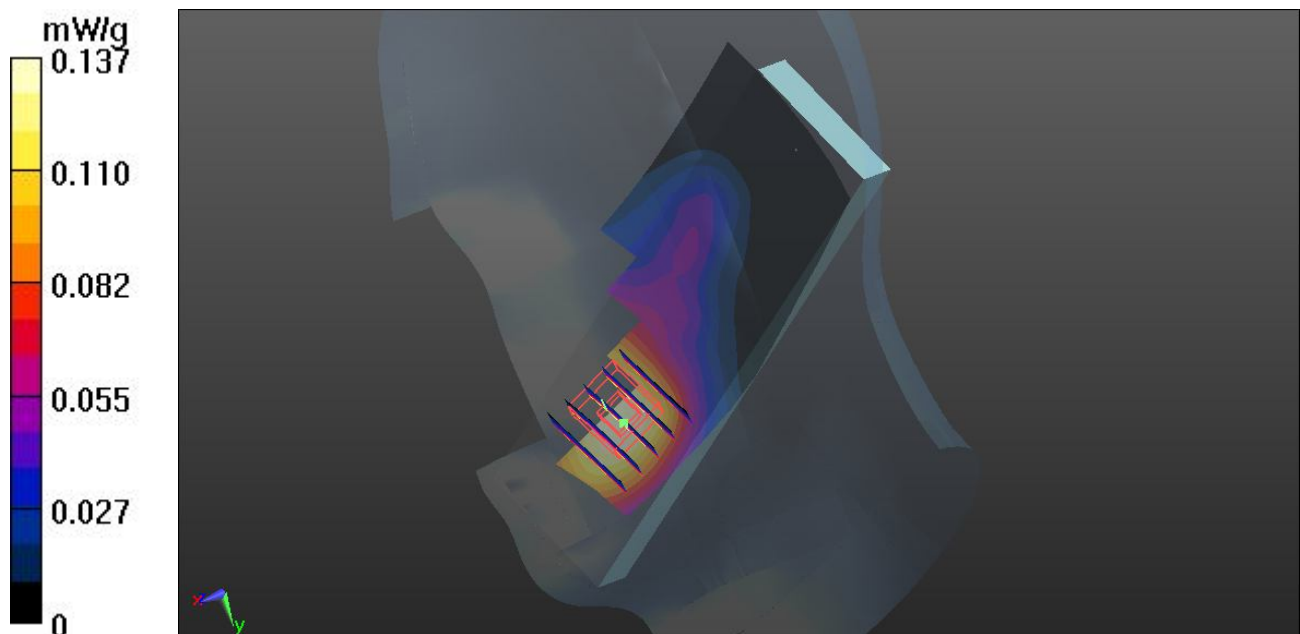Maximum value of SAR (interpolated) = 0.137 mW/g

Ch810/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 1.145 V/m; Power Drift = 0.04 dB
Peak SAR (extrapolated) = 0.2110
SAR(1 g) = 0.137 mW/g; SAR(10 g) = 0.086 mW/g
Maximum value of SAR (measured) = 0.145 mW/g

01 GSM1900_Right Cheek_Ch810_2D

DUT: 222402
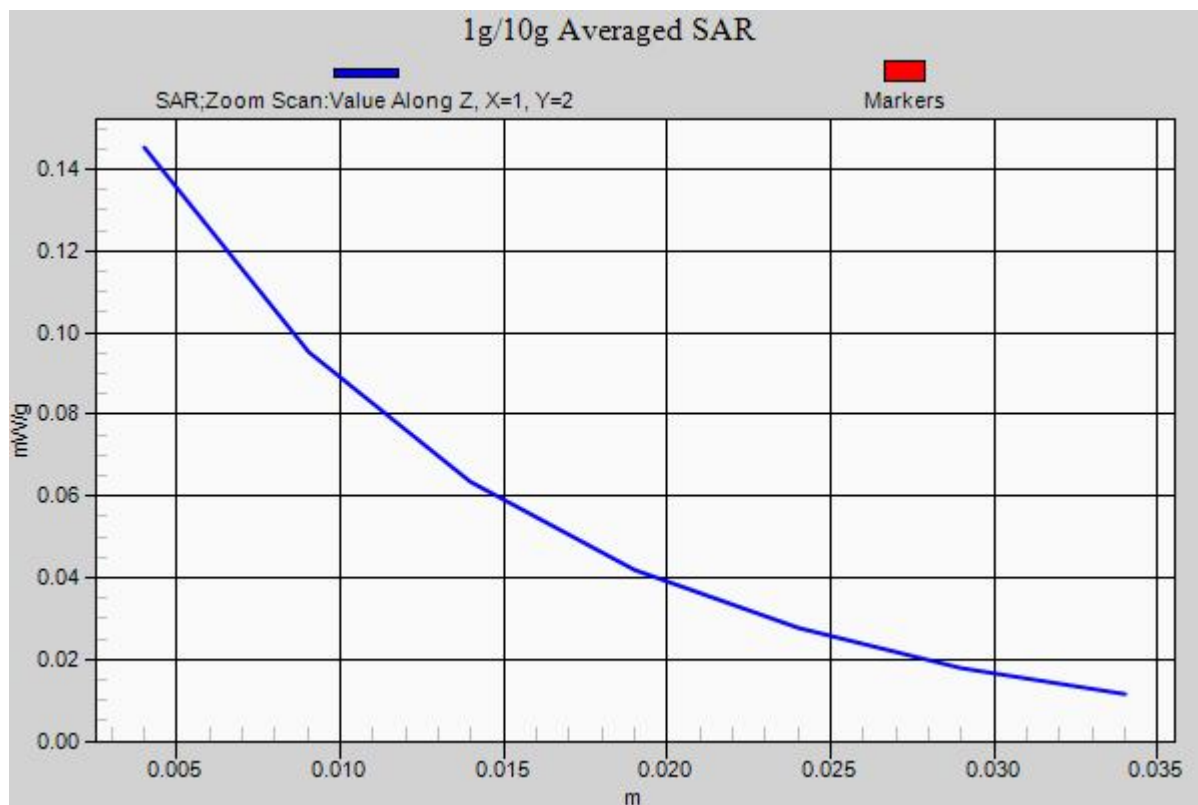
Communication System: Generic GSM; Frequency: 1909.8 MHz; Duty Cycle: 1:8.3
Medium: HSL_1900_120305 Medium parameters used: f = 1910 MHz; σ = 1.43 mho/m; ε$_r$ = 40.64;

ρ = 1000 kg/m^3
Ambient Temperature：23.4 ℃；Liquid Temperature：21.6 ℃

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 (51x101x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.137 mW/g

Ch810/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 1.145 V/m; Power Drift = 0.04 dB
Peak SAR (extrapolated) = 0.2110
SAR(1 g) = 0.137 mW/g; SAR(10 g) = 0.086 mW/g
Maximum value of SAR (measured) = 0.145 mW/g

02 GSM1900_Right Tilted_Ch810

DUT: 222402

Communication System: Generic GSM; Frequency: 1909.8 MHz;Duty Cycle: 1:8.3
Medium: HSL_1900_120305 Medium parameters used: f = 1910 MHz; σ = 1.43 mho/m; ε_r = 40.64; ρ = 1000 kg/m^3
Ambient Temperature：23.4 ℃；Liquid Temperature：21.6 ℃

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 (51x101x1): Measurement grid: dx=15mm, dy=15mm
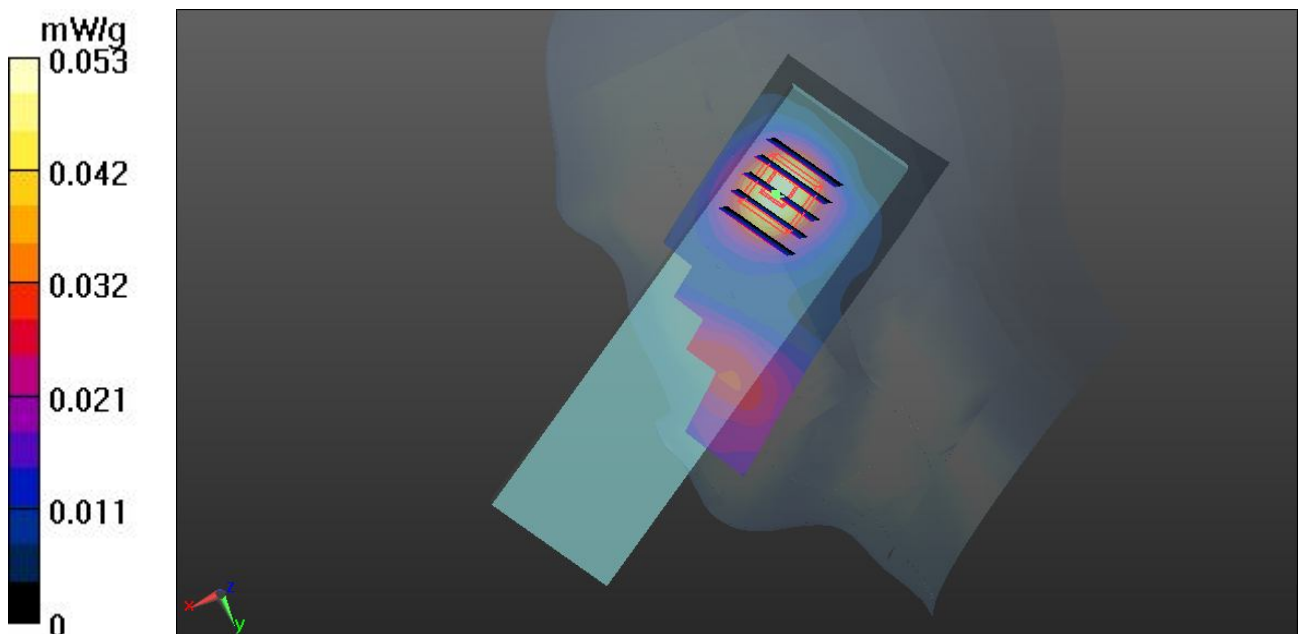Maximum value of SAR (interpolated) = 0.053 mW/g

Ch810/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 2.445 V/m; Power Drift = -0.05 dB
Peak SAR (extrapolated) = 0.0760
SAR(1 g) = 0.048 mW/g; SAR(10 g) = 0.028 mW/g
Maximum value of SAR (measured) = 0.051 mW/g

03 GSM1900_Left Cheek_Ch810

DUT: 222402

Communication System: Generic GSM; Frequency: 1909.8 MHz;Duty Cycle: 1:8.3
Medium: HSL_1900_120305 Medium parameters used: f = 1910 MHz; σ = 1.43 mho/m; ε_r = 40.64; ρ

= 1000 kg/m^3
Ambient Temperature：23.4 ℃；Liquid Temperature：21.6 ℃

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 (51x71x1): Measurement grid: dx=15mm, dy=15mm
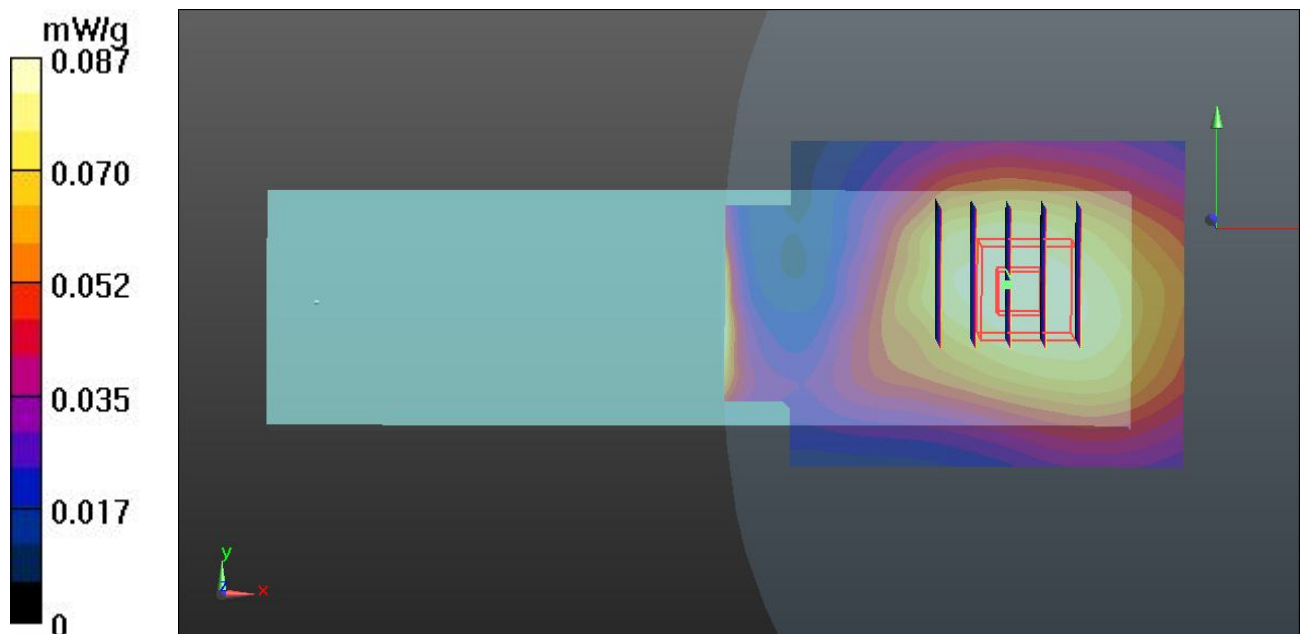Maximum value of SAR (interpolated) = 0.087 mW/g

Ch810/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 6.319 V/m; Power Drift = 0.07 dB
Peak SAR (extrapolated) = 0.1250
SAR(1 g) = 0.081 mW/g; SAR(10 g) = 0.052 mW/g
Maximum value of SAR (measured) = 0.086 mW/g

04 GSM1900_Left Tilted_Ch810

DUT: 222402

Communication System: Generic GSM; Frequency: 1909.8 MHz;Duty Cycle: 1:8.3
Medium: HSL_1900_120305 Medium parameters used: f = 1910 MHz; σ = 1.43 mho/m; ε_r = 40.64; ρ

= 1000 kg/m^3
Ambient Temperature：23.4 ℃；Liquid Temperature：21.6 ℃

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 (51x101x1): Measurement grid: dx=15mm, dy=15mm
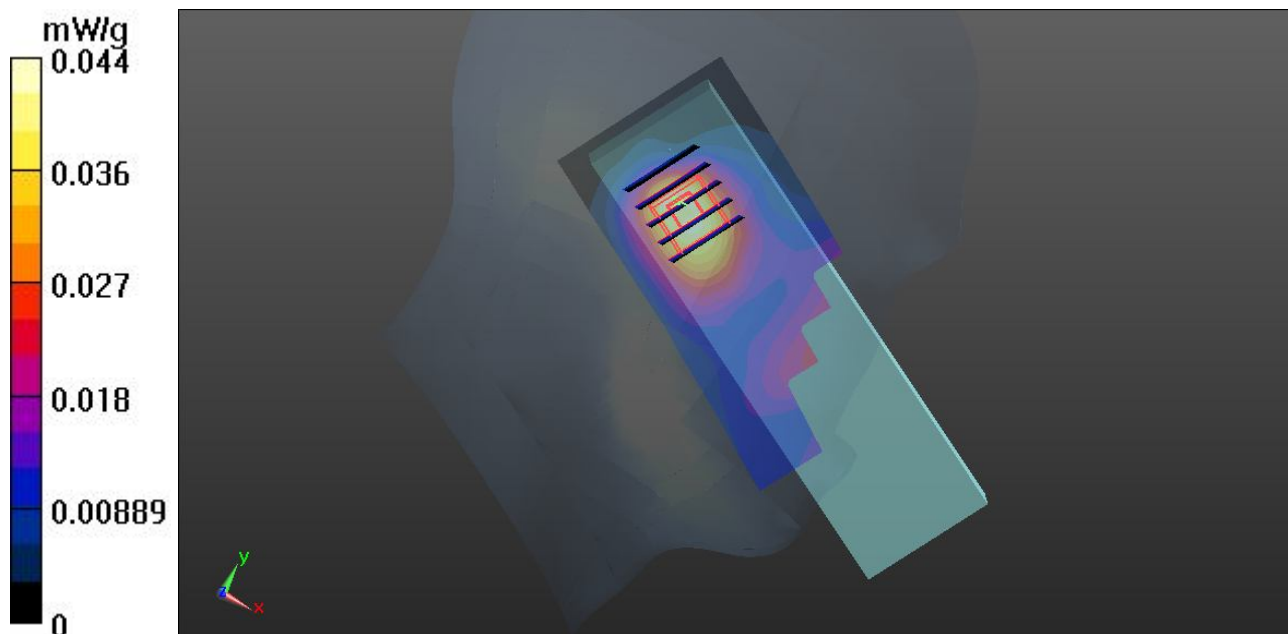Maximum value of SAR (interpolated) = 0.044 mW/g

Ch810/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 2.632 V/m; Power Drift = 0.17 dB
Peak SAR (extrapolated) = 0.0620
SAR(1 g) = 0.039 mW/g; SAR(10 g) = 0.023 mW/g
Maximum value of SAR (measured) = 0.042 mW/g

09 WCDMA V_RMC 12.2K_Right Cheek_Ch4182

DUT: 222402

Communication System: UMTS; Frequency: 836.4 MHz;Duty Cycle: 1:1
Medium: HSL_835_120305 Medium parameters used: f = 836.5 MHz; σ = 0.917 mho/m; ε_r = 41.516;

ρ = 1000 kg/m^3
Ambient Temperature：23.6 ℃；Liquid Temperature：21.5 ℃

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: SAM1; Type: QD000P40CD; Serial: TP:1670
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.6.4 (4989)

Ch4182/Area Scan (51x71x1): Measurement grid: dx=15mm, dy=15mm
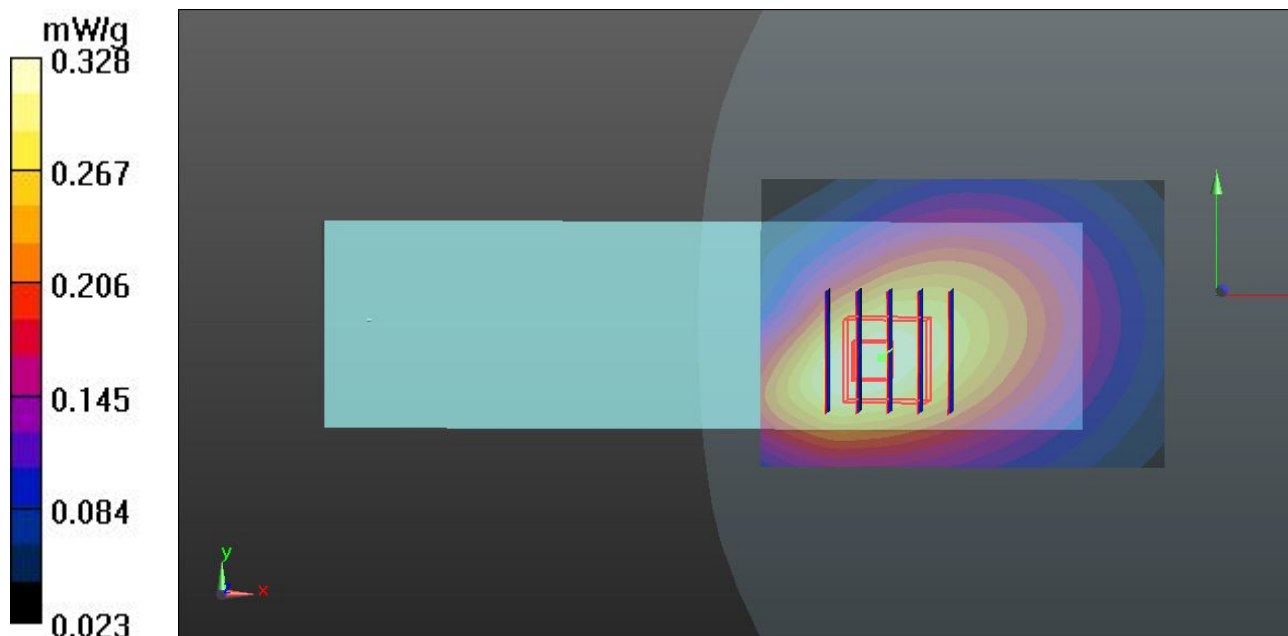Maximum value of SAR (interpolated) = 0.328 mW/g

Ch4182/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 11.678 V/m; Power Drift = -0.07 dB
Peak SAR (extrapolated) = 0.4020
SAR(1 g) = 0.296 mW/g; SAR(10 g) = 0.211 mW/g
Maximum value of SAR (measured) = 0.312 mW/g

10 WCDMA V_12RMC 12.2K_Right Tilted_Ch4182

DUT: 222402

Communication System: UMTS; Frequency: 836.4 MHz;Duty Cycle: 1:1
Medium: HSL_835_120305 Medium parameters used: f = 836.5 MHz; σ = 0.917 mho/m; $ε_r$ = 41.516;

$ρ$ = 1000 kg/m^3
Ambient Temperature：23.6 ℃；Liquid Temperature：21.5 ℃

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: SAM1; Type: QD000P40CD; Serial: TP:1670
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.6.4 (4989)

Ch4182/Area Scan (51x101x1): Measurement grid: dx=15mm, dy=15mm
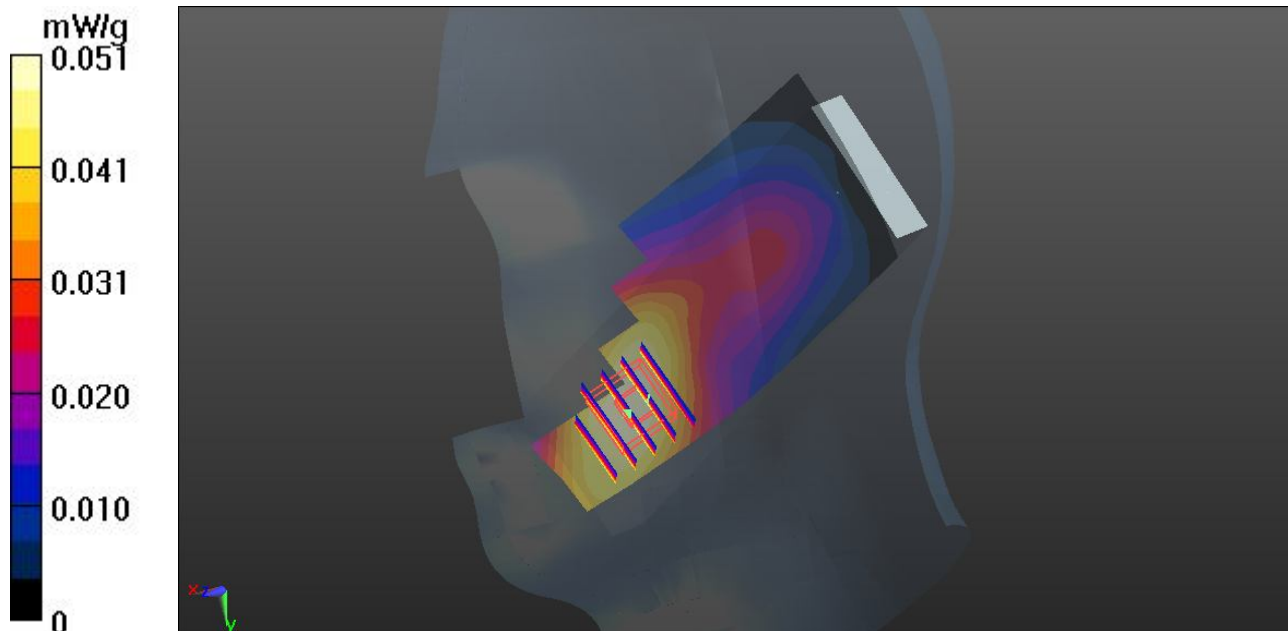Maximum value of SAR (interpolated) = 0.051 mW/g

Ch4182/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 3.764 V/m; Power Drift = -0.05 dB
Peak SAR (extrapolated) = 0.0600
SAR(1 g) = 0.047 mW/g; SAR(10 g) = 0.035 mW/g
Maximum value of SAR (measured) = 0.049 mW/g

11 WCDMA V_RMC 12.2K_Left Cheek_Ch4182

DUT: 222402

Communication System: UMTS; Frequency: 836.4 MHz;Duty Cycle: 1:1
Medium: HSL_835_120305 Medium parameters used: f = 836.5 MHz; σ = 0.917 mho/m; ε_r = 41.516;

ρ = 1000 kg/m^3
Ambient Temperature：23.6 ℃；Liquid Temperature：21.5 ℃

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: SAM1; Type: QD000P40CD; Serial: TP:1670
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.6.4 (4989)

Ch4182/Area Scan (51x101x1): Measurement grid: dx=15mm, dy=15mm
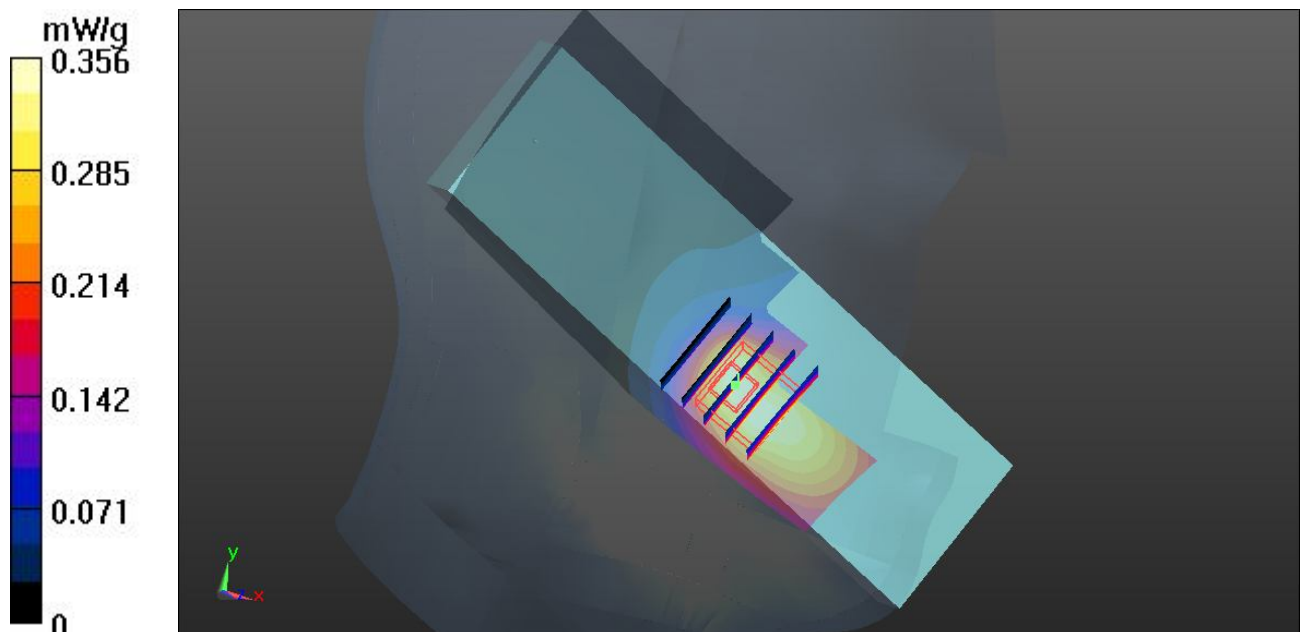Maximum value of SAR (interpolated) = 0.356 mW/g

Ch4182/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 1.128 V/m; Power Drift = -0.03 dB
Peak SAR (extrapolated) = 0.6210
SAR(1 g) = 0.307 mW/g; SAR(10 g) = 0.201 mW/g
Maximum value of SAR (measured) = 0.319 mW/g
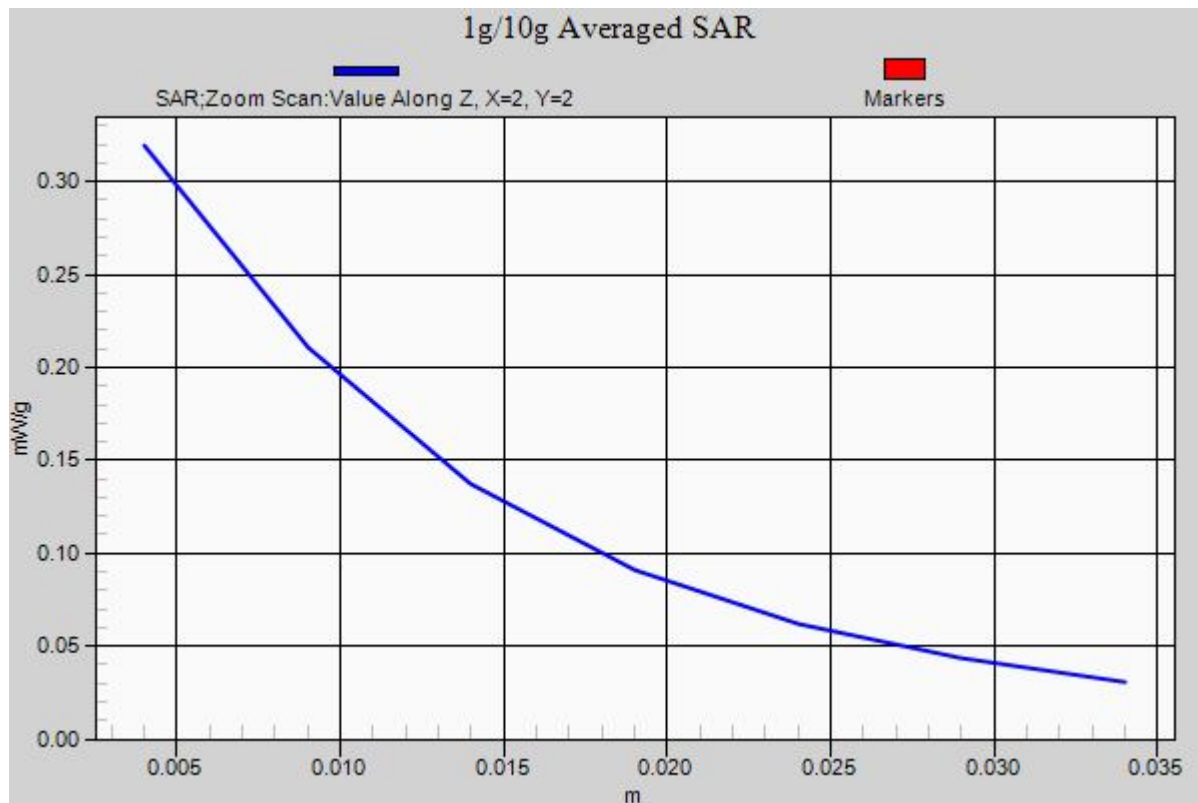
11 WCDMA V_RMC 12.2K_Left Cheek_Ch4182_2D

DUT: 222402

Communication System: UMTS; Frequency: 836.4 MHz;Duty Cycle: 1:1
Medium: HSL_835_120305 Medium parameters used: f = 836.5 MHz; σ = 0.917 mho/m; ε_r = 41.516; ρ = 1000 kg/m^3
Ambient Temperature：23.6 ℃；Liquid Temperature：21.5 ℃

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: SAM1; Type: QD000P40CD; Serial: TP:1670
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.6.4 (4989)

Ch4182/Area Scan (51x101x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.356 mW/g

Ch4182/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 1.128 V/m; Power Drift = -0.03 dB
Peak SAR (extrapolated) = 0.6210
SAR(1 g) = 0.307 mW/g; SAR(10 g) = 0.201 mW/g
Maximum value of SAR (measured) = 0.319 mW/g

11 WCDMA V_RMC 12.2K_Left Cheek_Ch4182_2D

12 WCDMA V_RMC 12.2K_Left Tilted_Ch4182

DUT: 222402

Communication System: UMTS; Frequency: 836.4 MHz;Duty Cycle: 1:1
Medium: HSL_835_120305 Medium parameters used: f = 836.5 MHz; σ = 0.917 mho/m; ε_r = 41.516;

ρ = 1000 kg/m^3
Ambient Temperature：23.6 ℃；Liquid Temperature：21.5 ℃

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: SAM1; Type: QD000P40CD; Serial: TP:1670
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.6.4 (4989)

Ch4182/Area Scan (51x101x1): Measurement grid: dx=15mm, dy=15mm
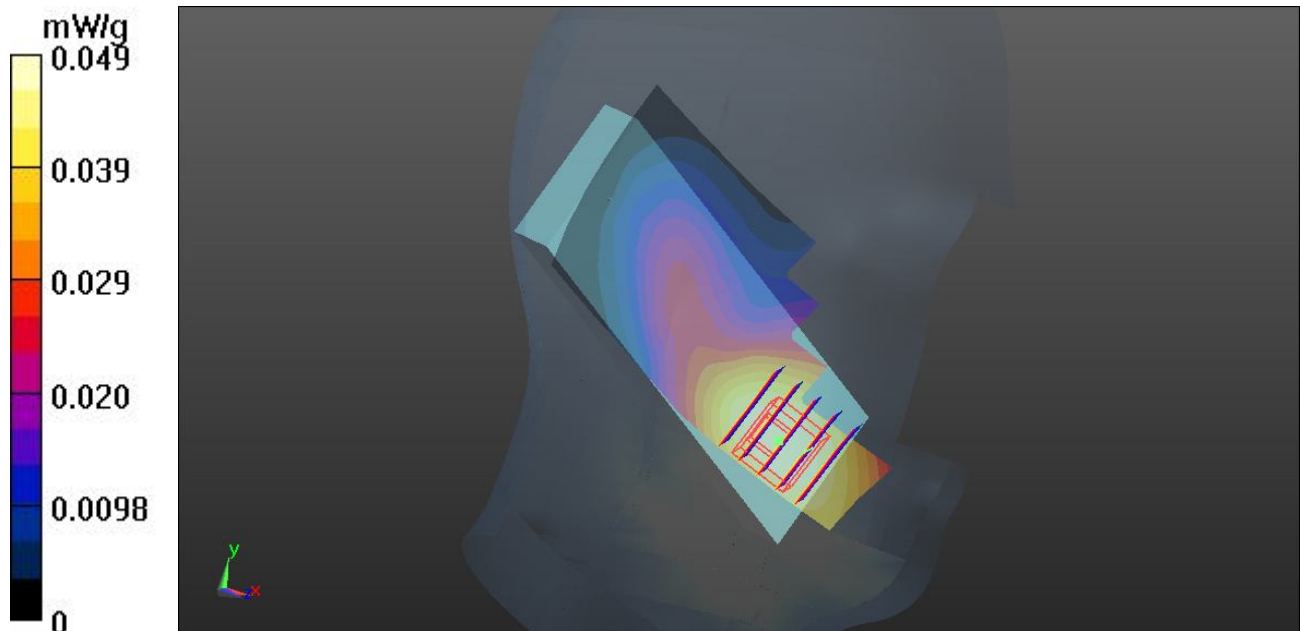Maximum value of SAR (interpolated) = 0.049 mW/g

Ch4182/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 3.208 V/m; Power Drift = -0.08 dB
Peak SAR (extrapolated) = 0.0550
SAR(1 g) = 0.044 mW/g; SAR(10 g) = 0.034 mW/g
Maximum value of SAR (measured) = 0.046 mW/g

05 GSM1900_GPRS12_Face_1.5cm_Ch810

DUT: 222402
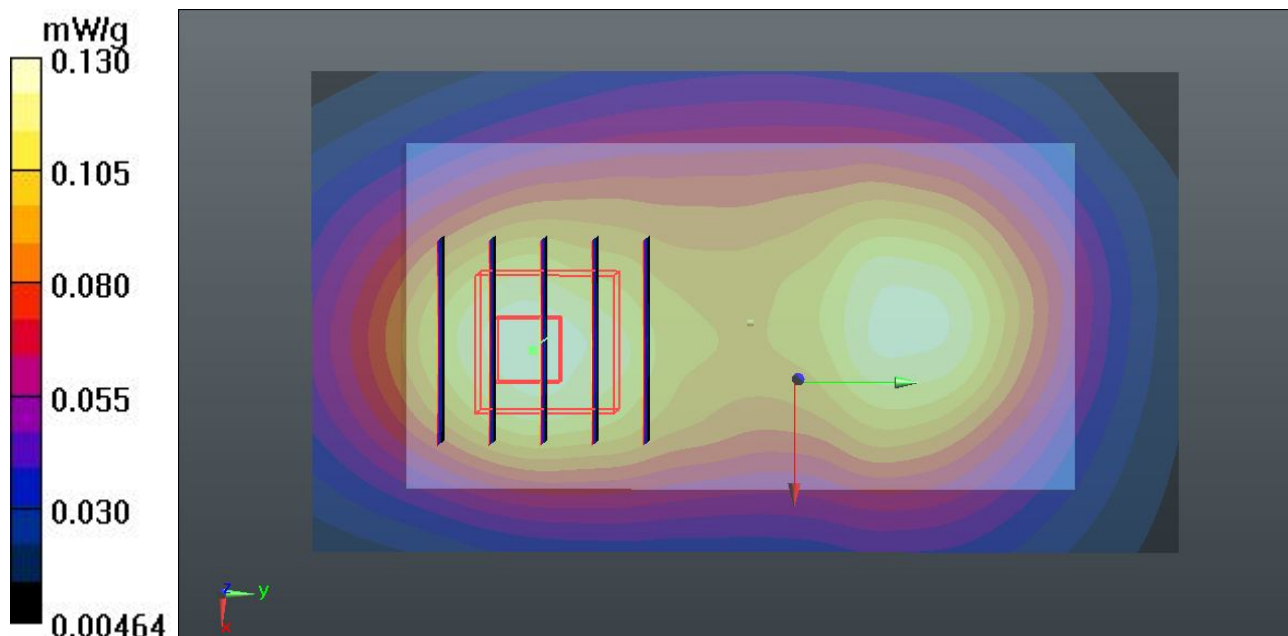
Communication System: GPRS/EDGE12; Frequency: 1909.8 MHz;Duty Cycle: 1:2
Medium: MSL_1900_120305 Medium parameters used: f = 1910 MHz; σ = 1.537 mho/m; ε_r =

53.954; ρ = 1000 kg/m^3
Ambient Temperature：23.2 ℃；Liquid Temperature：21.8 ℃

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: SAM1; Type: QD000P40CD; Serial: TP:1670
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.6.4 (4989)

Ch810/Area Scan (51x91x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.130 mW/g

Ch810/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 7.826 V/m; Power Drift = -0.10 dB
Peak SAR (extrapolated) = 0.1860
SAR(1 g) = 0.118 mW/g; SAR(10 g) = 0.074 mW/g
Maximum value of SAR (measured) = 0.126 mW/g
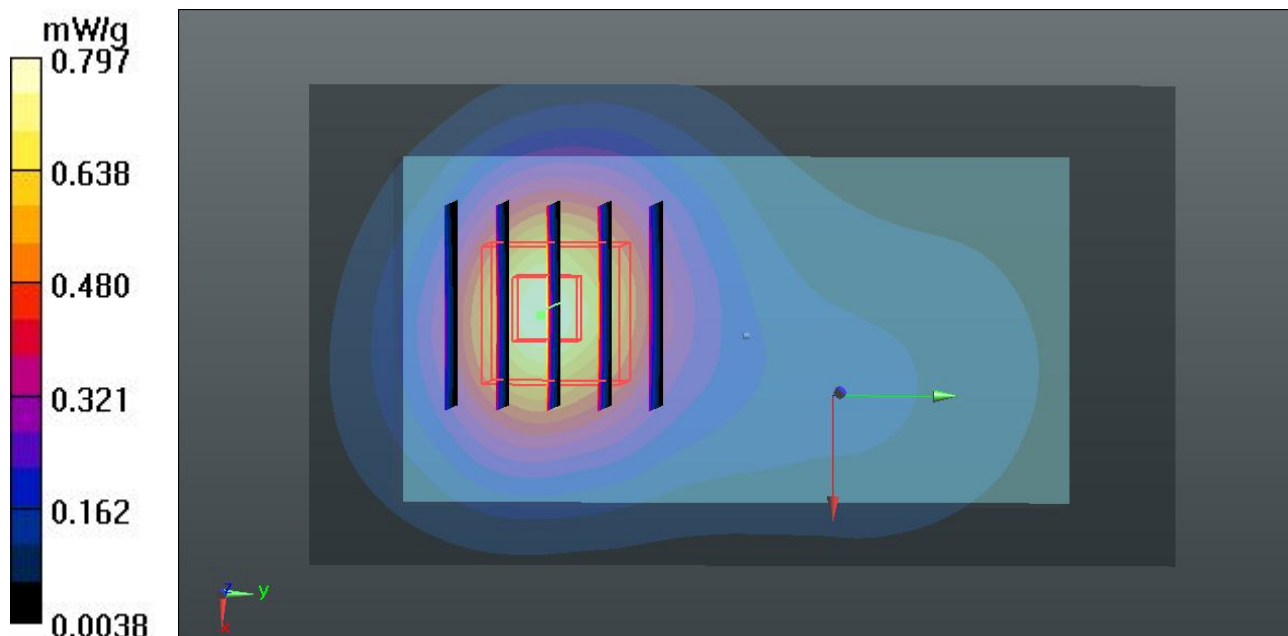
06 GSM1900_GPRS12_Bottom_1.5cm_Ch810

DUT: 222402

Communication System: GPRS/EDGE12; Frequency: 1909.8 MHz;Duty Cycle: 1:2
Medium: MSL_1900_120305 Medium parameters used: f = 1910 MHz; σ = 1.537 mho/m; ε_r =

53.954; ρ = 1000 kg/m^3
Ambient Temperature：23.2 ℃；Liquid Temperature：21.8 ℃

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: SAM1; Type: QD000P40CD; Serial: TP:1670
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.6.4 (4989)

Ch810/Area Scan (51x91x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.797 mW/g

Ch810/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 11.034 V/m; Power Drift = -0.03 dB
Peak SAR (extrapolated) = 1.1860
SAR(1 g) = 0.689 mW/g; SAR(10 g) = 0.390 mW/g
Maximum value of SAR (measured) = 0.758 mW/g
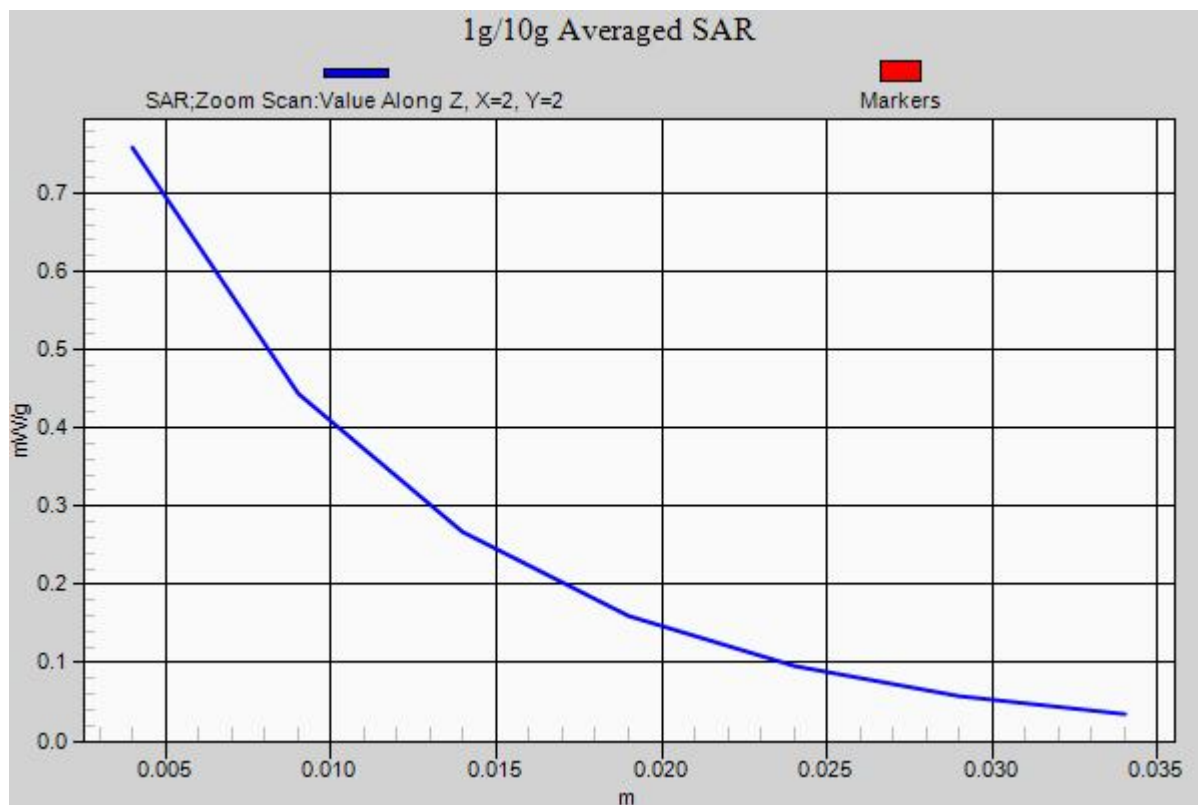
06 GSM1900_GPRS12_Bottom_1.5cm_Ch810_2D

DUT: 222402

Communication System: GPRS/EDGE12; Frequency: 1909.8 MHz;Duty Cycle: 1:2
Medium: MSL_1900_120305 Medium parameters used: f = 1910 MHz; σ = 1.537 mho/m; ε_r =

53.954; ρ = 1000 kg/m^3
Ambient Temperature：23.2 ℃；Liquid Temperature：21.8 ℃

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: SAM1; Type: QD000P40CD; Serial: TP:1670
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.6.4 (4989)

Ch810/Area Scan (51x91x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.797 mW/g

Ch810/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 11.034 V/m; Power Drift = -0.03 dB
Peak SAR (extrapolated) = 1.1860
SAR(1 g) = 0.689 mW/g; SAR(10 g) = 0.390 mW/g
Maximum value of SAR (measured) = 0.758 mW/g

07 WCDMA V_RMC 12.2K_Face_1.5cm_Ch4182

DUT: 222402

Communication System: UMTS; Frequency: 836.4 MHz;Duty Cycle: 1:1
Medium: MSL_835_120305 Medium parameters used: f = 836.4 MHz; σ = 0.974 mho/m; ε_r = 54.073; ρ = 1000 kg/m^3
Ambient Temperature：23.7 ℃；Liquid Temperature：21.7 ℃

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: SAM2; Type: QD000P40CD; Serial: TP:1671
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.6.4 (4989)

Ch4182/Area Scan (51x91x1): Measurement grid: dx=15mm, dy=15mm
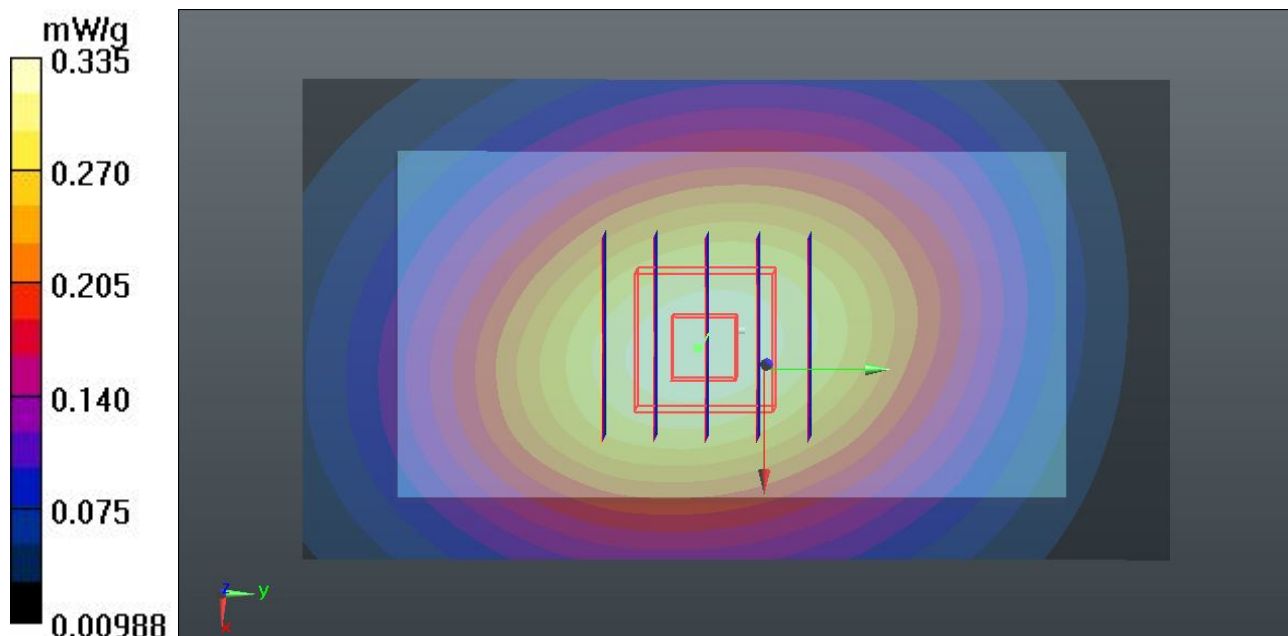Maximum value of SAR (interpolated) = 0.335 mW/g

Ch4182/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 18.310 V/m; Power Drift = -0.06 dB
Peak SAR (extrapolated) = 0.3830
SAR(1 g) = 0.295 mW/g; SAR(10 g) = 0.217 mW/g
Maximum value of SAR (measured) = 0.312 mW/g

08 WCDMA V_RMC 12.2K_Bottom_1.5cm_Ch4182

DUT: 222402

Communication System: UMTS; Frequency: 836.4 MHz;Duty Cycle: 1:1
Medium: MSL_835_120305 Medium parameters used: f = 836.4 MHz; σ = 0.974 mho/m; $ε_r$ =

54.073; ρ = 1000 kg/m^3
Ambient Temperature：23.7 ℃；Liquid Temperature：21.7 ℃

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: SAM2; Type: QD000P40CD; Serial: TP:1671
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.6.4 (4989)

Ch4182/Area Scan (51x91x1): Measurement grid: dx=15mm, dy=15mm
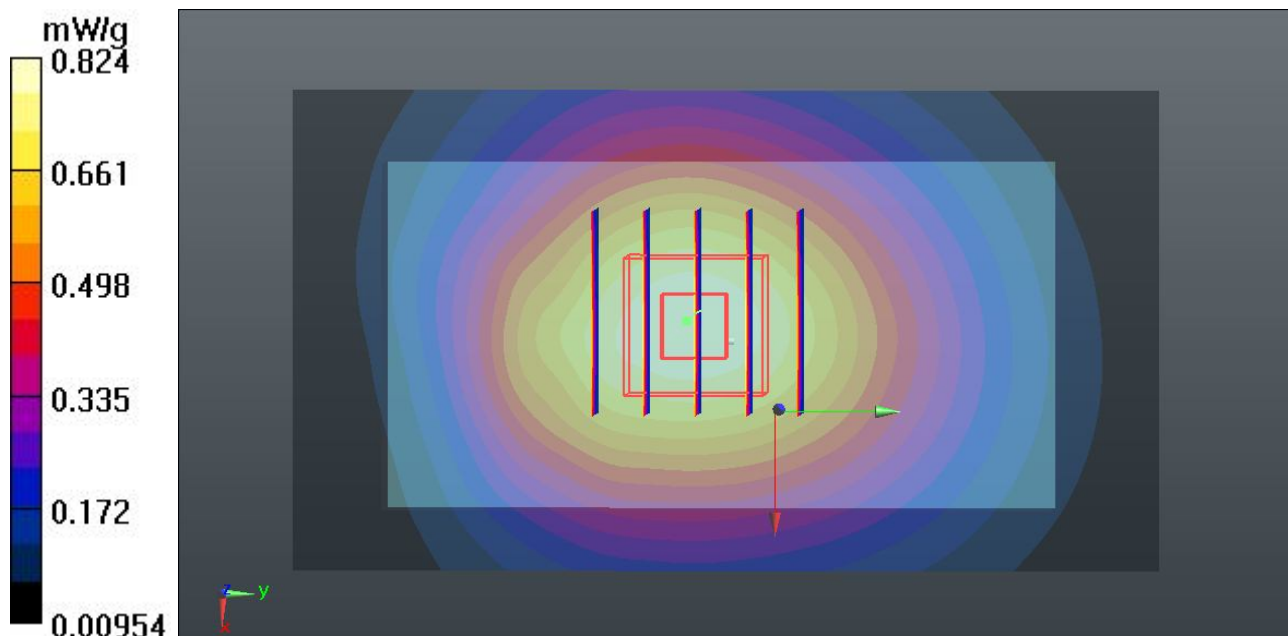Maximum value of SAR (interpolated) = 0.824 mW/g

Ch4182/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 28.932 V/m; Power Drift = -0.0029 dB
Peak SAR (extrapolated) = 1.0360
SAR(1 g) = 0.779 mW/g; SAR(10 g) = 0.561 mW/g
Maximum value of SAR (measured) = 0.825 mW/g

08 WCDMA V_RMC 12.2K_Bottom_1.5cm_Ch4182_2D

DUT: 222402

Communication System: UMTS; Frequency: 836.4 MHz;Duty Cycle: 1:1
Medium: MSL_835_120305 Medium parameters used: f = 836.4 MHz; σ = 0.974 mho/m; ε_r = 54.073; ρ = 1000 kg/m^3
Ambient Temperature：23.7 ℃；Liquid Temperature：21.7 ℃

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: SAM2; Type: QD000P40CD; Serial: TP:1671
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.6.4 (4989)

Ch4182/Area Scan (51x91x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.824 mW/g

Ch4182/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 28.932 V/m; Power Drift = -0.0029 dB
Peak SAR (extrapolated) = 1.0360
SAR(1 g) = 0.779 mW/g; SAR(10 g) = 0.561 mW/g
Maximum value of SAR (measured) = 0.825 mW/g