#08 GSM850_Right Cheek_Ch189_Battery1

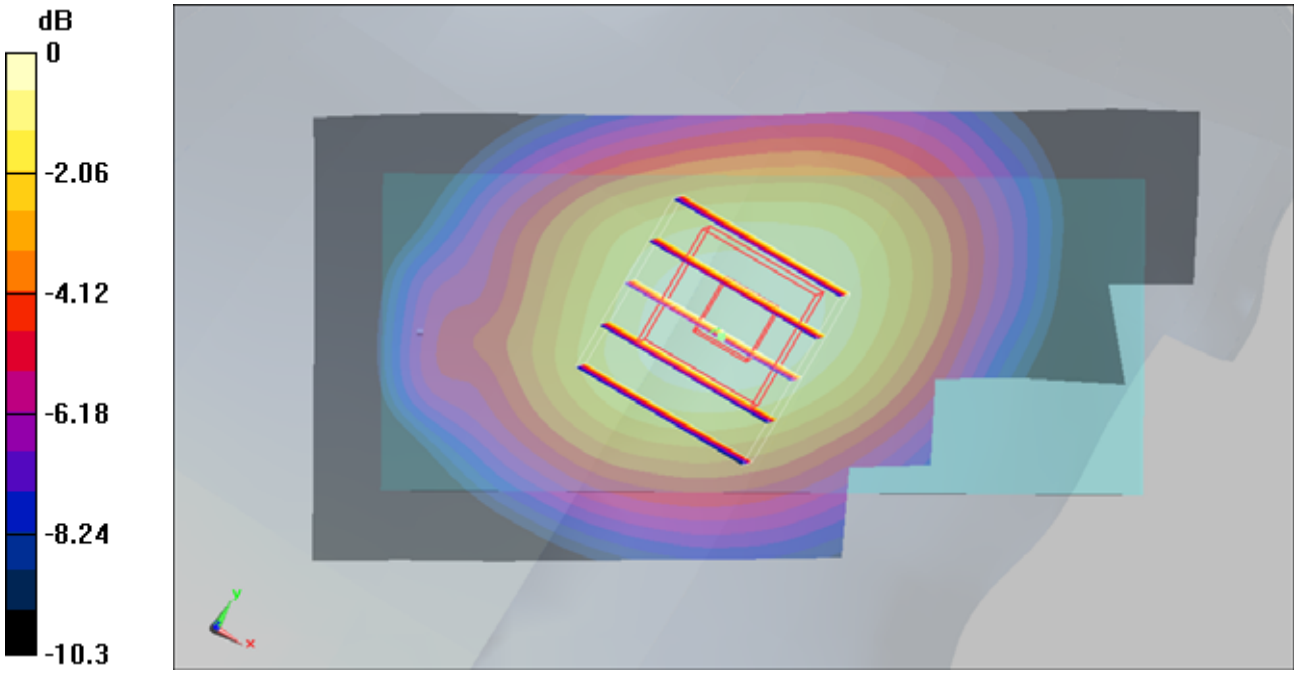
DUT: 931114-02

Communication System: GSM850; Frequency: 836.4 MHz;Duty Cycle: 1:8.3
Medium: HSL_850_091217 Medium parameters used: f = 836.4 MHz; σ = 0.925 mho/m; ε_r = 41.9; ρ = 1000 kg/m^3
Ambient Temperature：22.4 ℃; Liquid Temperature：21.2 ℃

DASY5 Configuration:
- Probe: ET3DV6 - SN1788; ConvF(6.3, 6.3, 6.3); Calibrated: 2009/9/23
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn778; Calibrated: 2009/9/18
- Phantom: SAM - Front; Type: SAM; Serial: TP-1446
- Measurement SW: DASY5, V5.0 Build 125; SEMCAD X Version 13.4 Build 125

Ch189/Area Scan (51x101x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.898 mW/g

Ch189/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 17.1 V/m; Power Drift = -0.117 dB
Peak SAR (extrapolated) = 1.05 W/kg
SAR(1 g) = 0.830 mW/g; SAR(10 g) = 0.597 mW/g
Maximum value of SAR (measured) = 0.867 mW/g



0 dB = 0.867mW/g

#08 GSM850_Right Cheek_Ch189_Battery1_2D

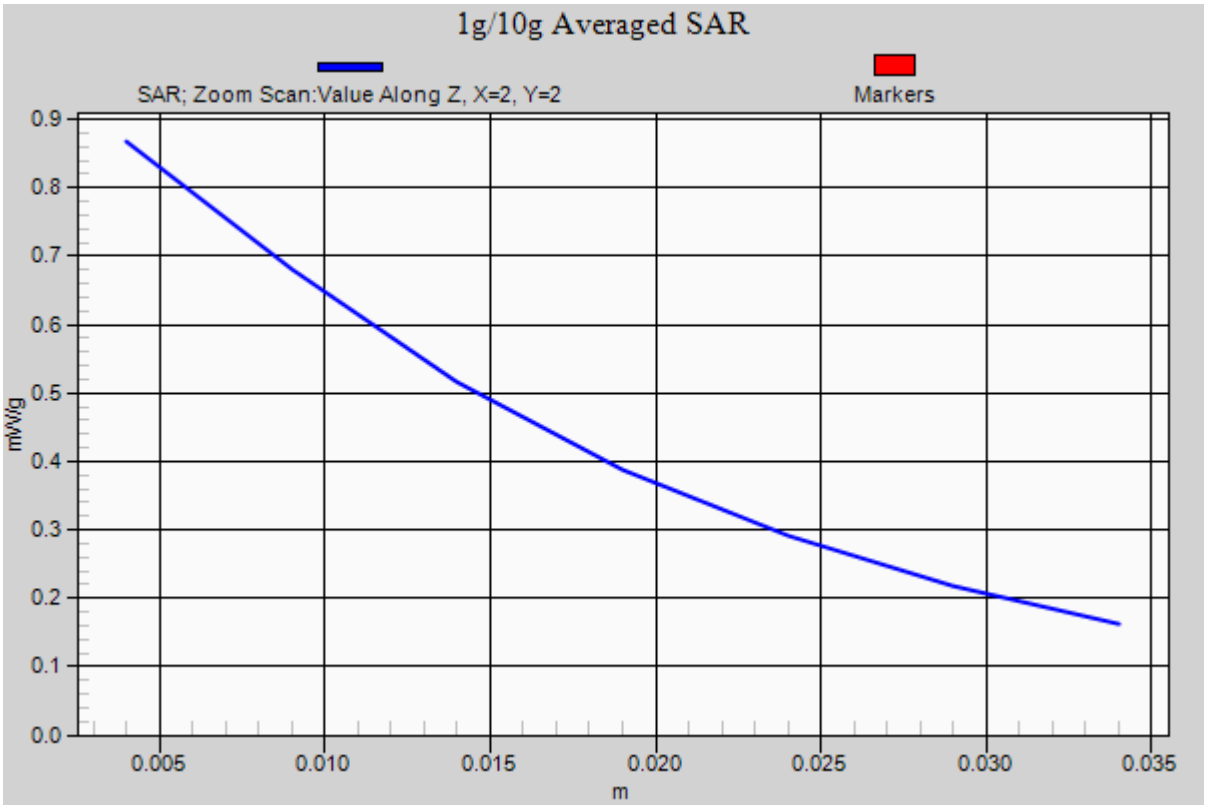
DUT: 931114-02

Communication System: GSM850; Frequency: 836.4 MHz;Duty Cycle: 1:8.3
Medium: HSL_850_091217 Medium parameters used: f = 836.4 MHz; σ = 0.925 mho/m; ε_r = 41.9; ρ = 1000 kg/m^3
Ambient Temperature：22.4 ℃; Liquid Temperature：21.2 ℃

DASY5 Configuration:
- Probe: ET3DV6 - SN1788; ConvF(6.3, 6.3, 6.3); Calibrated: 2009/9/23
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn778; Calibrated: 2009/9/18
- Phantom: SAM - Front; Type: SAM; Serial: TP-1446
- Measurement SW: DASY5, V5.0 Build 125; SEMCAD X Version 13.4 Build 125

Ch189/Area Scan (51x101x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.898 mW/g

Ch189/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 17.1 V/m; Power Drift = -0.117 dB
Peak SAR (extrapolated) = 1.05 W/kg
SAR(1 g) = 0.830 mW/g; SAR(10 g) = 0.597 mW/g
Maximum value of SAR (measured) = 0.867 mW/g



#03 GSM1900_Left Cheek_Ch810_Battery1

DUT: 931114-02

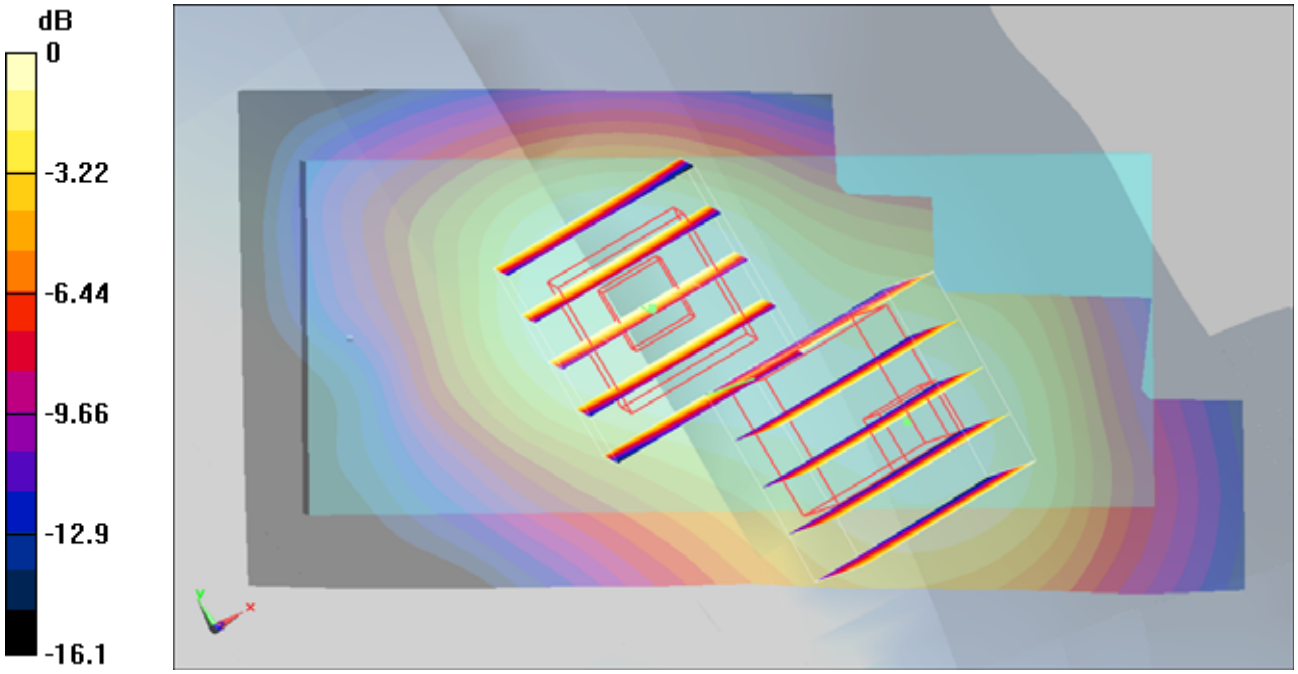
Communication System: PCS; Frequency: 1909.8 MHz;Duty Cycle: 1:8.3
Medium: HSL_1900_091217 Medium parameters used: f = 1910 MHz; σ = 1.46 mho/m; ε_r = 39.4; ρ = 1000 kg/m^3
Ambient Temperature：22.5 ℃; Liquid Temperature：21.6 ℃

DASY5 Configuration:
- Probe: ET3DV6 - SN1788; ConvF(5.11, 5.11, 5.11); Calibrated: 2009/9/23
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn778; Calibrated: 2009/9/18
- Phantom: SAM-Back; Type: QD 000 P40 C; Serial: TP-1383
- Measurement SW: DASY5, V5.0 Build 125; SEMCAD X Version 13.4 Build 125

Ch810/Area Scan (51x101x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.311 mW/g

Ch810/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 3.46 V/m; Power Drift = 0.011 dB
Peak SAR (extrapolated) = 0.364 W/kg
SAR(1 g) = 0.273 mW/g; SAR(10 g) = 0.170 mW/g
Maximum value of SAR (measured) = 0.300 mW/g

Ch810/Zoom Scan (5x5x7)/Cube 1: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 3.46 V/m; Power Drift = 0.011 dB
Peak SAR (extrapolated) = 0.274 W/kg
SAR(1 g) = 0.181 mW/g; SAR(10 g) = 0.113 mW/g
Maximum value of SAR (measured) = 0.208 mW/g



0 dB = 0.208mW/g

#03 GSM1900_Left Cheek_Ch810_Battery1_2D

DUT: 931114-02

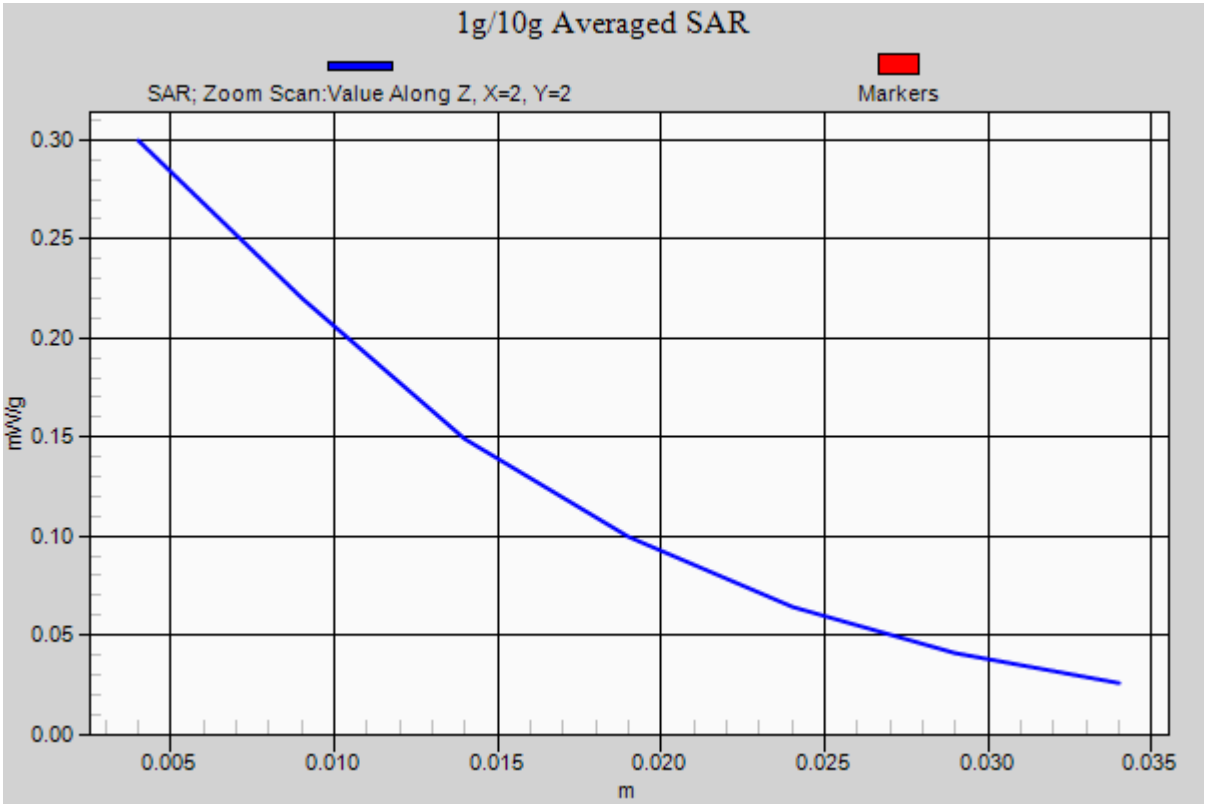
Communication System: PCS; Frequency: 1909.8 MHz;Duty Cycle: 1:8.3
Medium: HSL_1900_091217 Medium parameters used: f = 1910 MHz; σ = 1.46 mho/m; ε_r = 39.4; ρ = 1000 kg/m^3
Ambient Temperature：22.5 °C; Liquid Temperature：21.6 °C

DASY5 Configuration:
- Probe: ET3DV6 - SN1788; ConvF(5.11, 5.11, 5.11); Calibrated: 2009/9/23
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn778; Calibrated: 2009/9/18
- Phantom: SAM-Back; Type: QD 000 P40 C; Serial: TP-1383
- Measurement SW: DASY5, V5.0 Build 125; SEMCAD X Version 13.4 Build 125

Ch810/Area Scan (51x101x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.311 mW/g

Ch810/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 3.46 V/m; Power Drift = 0.011 dB
Peak SAR (extrapolated) = 0.364 W/kg
SAR(1 g) = 0.273 mW/g; SAR(10 g) = 0.170 mW/g
Maximum value of SAR (measured) = 0.300 mW/g

Ch810/Zoom Scan (5x5x7)/Cube 1: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 3.46 V/m; Power Drift = 0.011 dB
Peak SAR (extrapolated) = 0.274 W/kg
SAR(1 g) = 0.181 mW/g; SAR(10 g) = 0.113 mW/g
Maximum value of SAR (measured) = 0.208 mW/g



Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab Date: 2009/12/17

#01 GSM850_GSM_Bottom_1.5cm_ Ch251_Battery 1

DUT: 931114-02

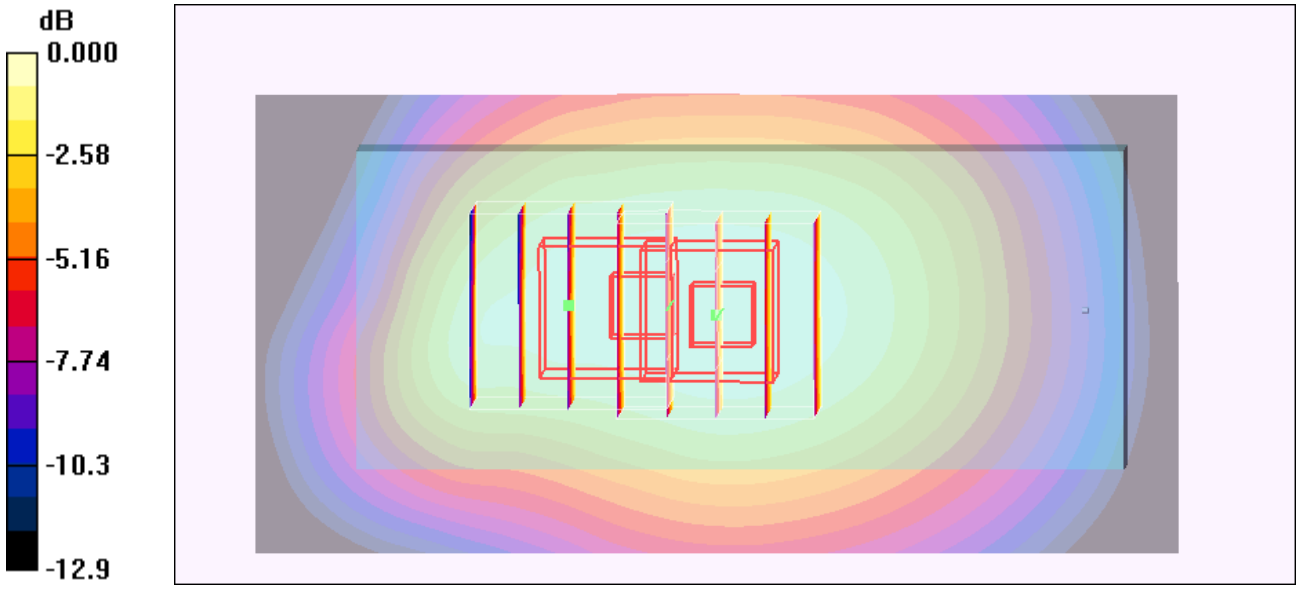
Communication System: GSM850; Frequency: 848.8 MHz;Duty Cycle: 1:8.3
Medium: MSL_850_091217 Medium parameters used: f = 849 MHz; σ = 0.992 mho/m; ε_r = 53.1; ρ = 1000 kg/m^3
Ambient Temperature：22.5 ℃; Liquid Temperature：21.4 ℃

DASY4 Configuration:
- Probe: ET3DV6 - SN1787; ConvF(6.09, 6.09, 6.09); Calibrated: 2009/5/26
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn577; Calibrated: 2009/8/24
- Phantom: ELI 4.0_Front; Type: QDOVA001BB; Serial: 1026
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Ch251/Area Scan (51x101x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.657 mW/g

Ch251/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 10.4 V/m; Power Drift = -0.022 dB
Peak SAR (extrapolated) = 0.797 W/kg
SAR(1 g) = 0.617 mW/g; SAR(10 g) = 0.444 mW/g
Maximum value of SAR (measured) = 0.657 mW/g

Ch251/Zoom Scan (5x5x7)/Cube 1: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 10.4 V/m; Power Drift = -0.022 dB
Peak SAR (extrapolated) = 0.786 W/kg
SAR(1 g) = 0.588 mW/g; SAR(10 g) = 0.413 mW/g
Maximum value of SAR (measured) = 0.644 mW/g



0 dB = 0.644mW/g

#01 GSM850_GSM_Bottom_1.5cm_ Ch251_Battery 1_2D

DUT: 931114-02

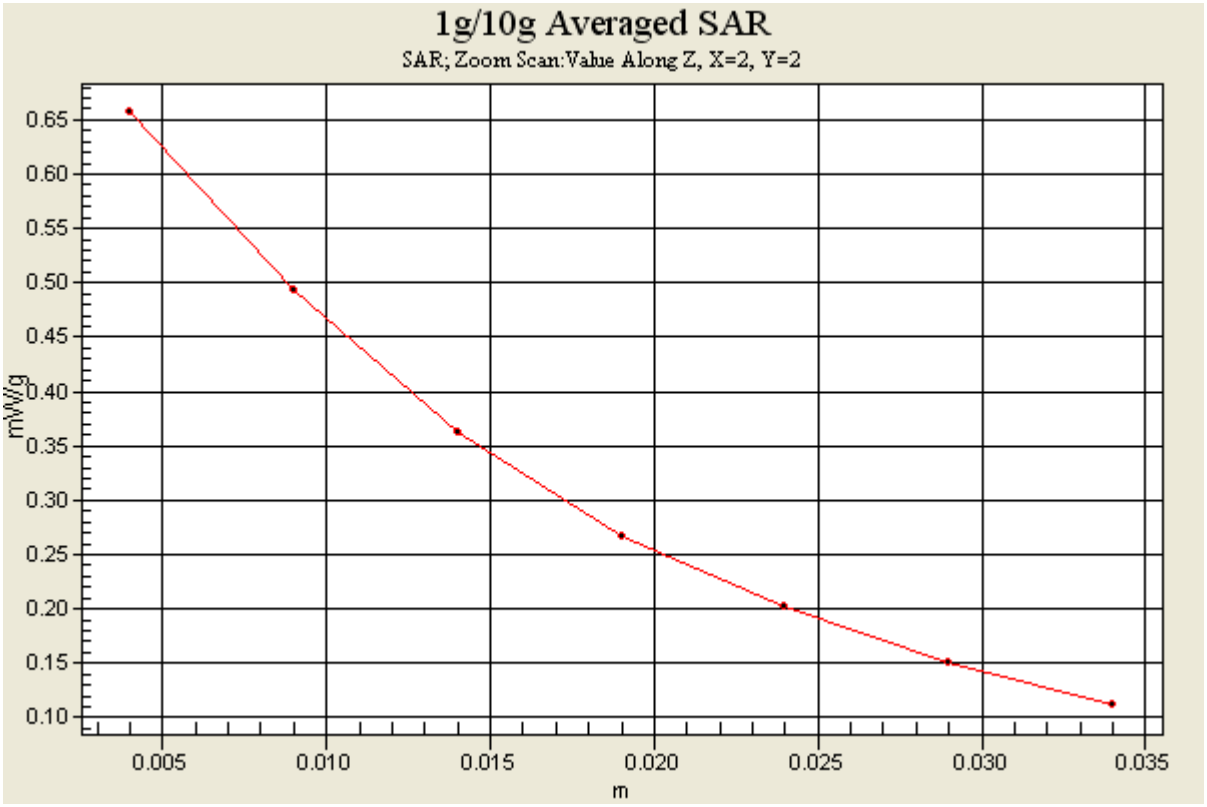
Communication System: GSM850; Frequency: 848.8 MHz;Duty Cycle: 1:8.3
Medium: MSL_850_091217 Medium parameters used: f = 849 MHz; σ = 0.992 mho/m; ε_r = 53.1; ρ = 1000 kg/m^3
Ambient Temperature：22.5 ℃; Liquid Temperature：21.4 ℃

DASY4 Configuration:
- Probe: ET3DV6 - SN1787; ConvF(6.09, 6.09, 6.09); Calibrated: 2009/5/26
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn577; Calibrated: 2009/8/24
- Phantom: ELI 4.0_Front; Type: QDOVA001BB; Serial: 1026
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Ch251/Area Scan (51x101x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.657 mW/g

Ch251/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 10.4 V/m; Power Drift = -0.022 dB
Peak SAR (extrapolated) = 0.797 W/kg
SAR(1 g) = 0.617 mW/g; SAR(10 g) = 0.444 mW/g
Maximum value of SAR (measured) = 0.657 mW/g

Ch251/Zoom Scan (5x5x7)/Cube 1: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 10.4 V/m; Power Drift = -0.022 dB
Peak SAR (extrapolated) = 0.786 W/kg
SAR(1 g) = 0.588 mW/g; SAR(10 g) = 0.413 mW/g
Maximum value of SAR (measured) = 0.644 mW/g


1g/10g Averaged SAR
SAR; Zoom Scan:Value Along Z, X=2, Y=2
mW/g
0.65
0.60
0.55
0.50
0.45
0.40
0.35
0.30
0.25
0.20
0.15
0.10
0.005
0.010
0.015
0.020
0.025
0.030
0.035
m

#11 GSM1900_GSM_Bottom_1.5cm_ Ch810_Battery 1

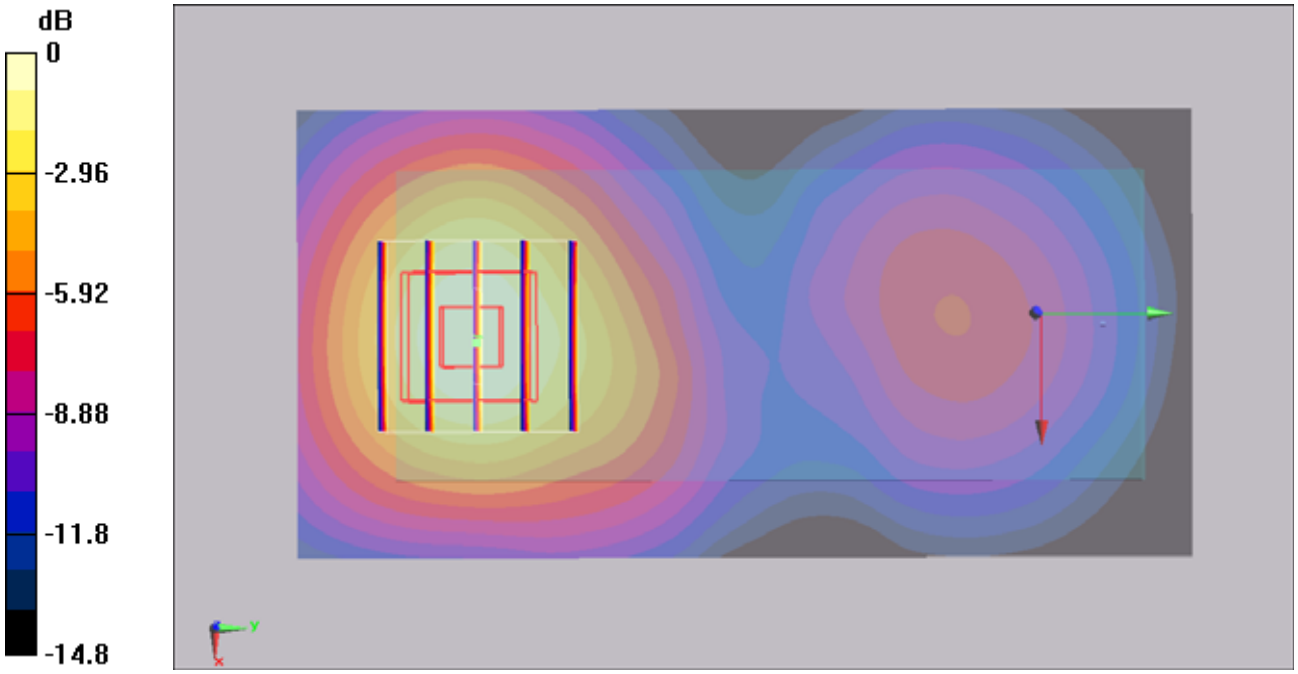
DUT: 931114-02

Communication System: PCS; Frequency: 1909.8 MHz;Duty Cycle: 1:8.3
Medium: MSL_1900_091217 Medium parameters used: f = 1910 MHz; σ = 1.56 mho/m; ε_r = 51.8; ρ = 1000 kg/m^3
Ambient Temperature：22.5 °C; Liquid Temperature：21.5 °C

DASY5 Configuration:
- Probe: ET3DV6 - SN1788; ConvF(4.52, 4.52, 4.52); Calibrated: 2009/9/23
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn778; Calibrated: 2009/9/18
- Phantom: ELI 4.0; Type: QDOVA001BA; Serial: 1029
- Measurement SW: DASY5, V5.0 Build 125; SEMCAD X Version 13.4 Build 125

Ch810/Area Scan (51x101x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.646 mW/g

Ch810/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 6.95 V/m; Power Drift = 0.191 dB
Peak SAR (extrapolated) = 0.775 W/kg
SAR(1 g) = 0.559 mW/g; SAR(10 g) = 0.339 mW/g
Maximum value of SAR (measured) = 0.612 mW/g



0 dB = 0.612mW/g

#11 GSM1900_GSM_Bottom_1.5cm_ Ch810_Battery 1_2D

DUT: 931114-02

Communication System: PCS; Frequency: 1909.8 MHz;Duty Cycle: 1:8.3
Medium: MSL_1900_091217 Medium parameters used: f = 1910 MHz; σ = 1.56 mho/m; ε_r = 51.8; ρ = 1000 kg/m^3
Ambient Temperature：22.5 °C; Liquid Temperature：21.5 °C

DASY5 Configuration:
- Probe: ET3DV6 - SN1788; ConvF(4.52, 4.52, 4.52); Calibrated: 2009/9/23
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn778; Calibrated: 2009/9/18
- Phantom: ELI 4.0; Type: QDOVA001BA; Serial: 1029
- Measurement SW: DASY5, V5.0 Build 125; SEMCAD X Version 13.4 Build 125

Ch810/Area Scan (51x101x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.646 mW/g

Ch810/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 6.95 V/m; Power Drift = 0.191 dB
Peak SAR (extrapolated) = 0.775 W/kg
SAR(1 g) = 0.559 mW/g; SAR(10 g) = 0.339 mW/g
Maximum value of SAR (measured) = 0.612 mW/g