Appendix B. Plots of SAR Measurement

The plots are shown as follows.

43 CDMA2000 BC0_RC3 SO55_Right Cheek_Ch1013

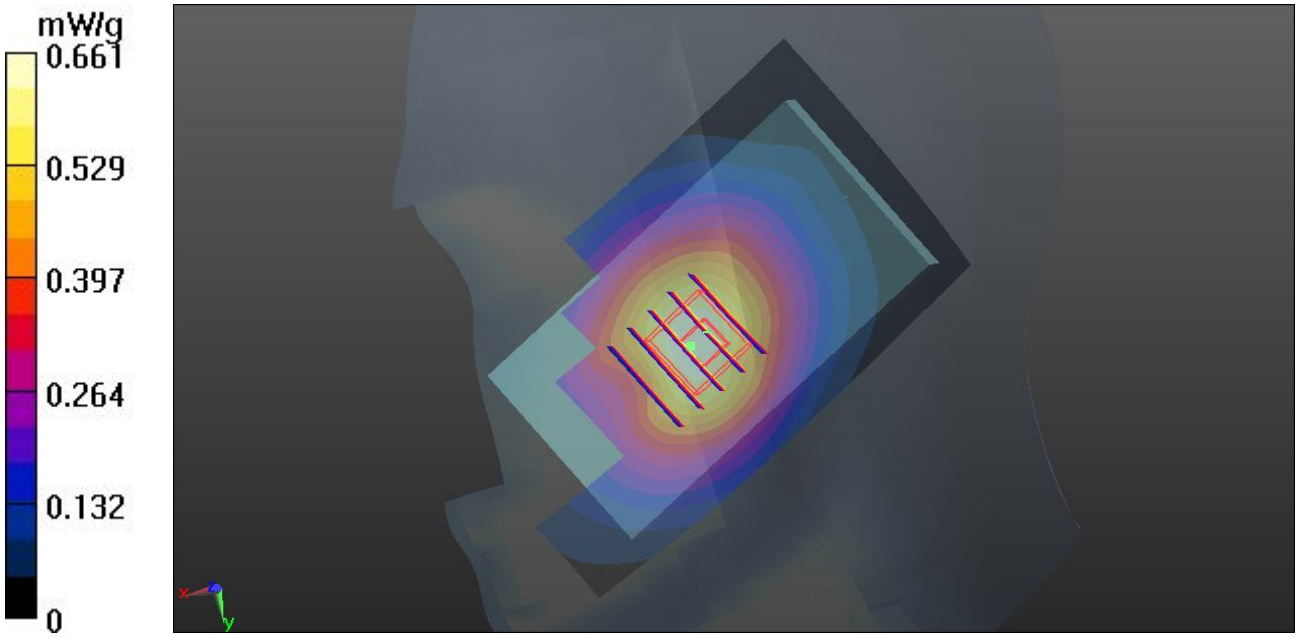
DUT: 222301

Communication System: CDMA2000; Frequency: 824.7 MHz;Duty Cycle: 1:1
Medium: HSL_835_120303 Medium parameters used: f = 824.7 MHz; σ = 0.906 mho/m; ε_r = 41.623; ρ = 1000 kg/m^3
Ambient Temperature：23.4 ℃; Liquid Temperature：21.4 ℃

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)

Ch1013/Area Scan (61x101x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.661 mW/g

Ch1013/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 8.462 V/m; Power Drift = 0.02 dB
Peak SAR (extrapolated) = 0.7690
SAR(1 g) = 0.633 mW/g; SAR(10 g) = 0.481 mW/g
Maximum value of SAR (measured) = 0.658 mW/g



43 CDMA2000 BC0_RC3 SO55_Right Cheek_Ch1013_2D

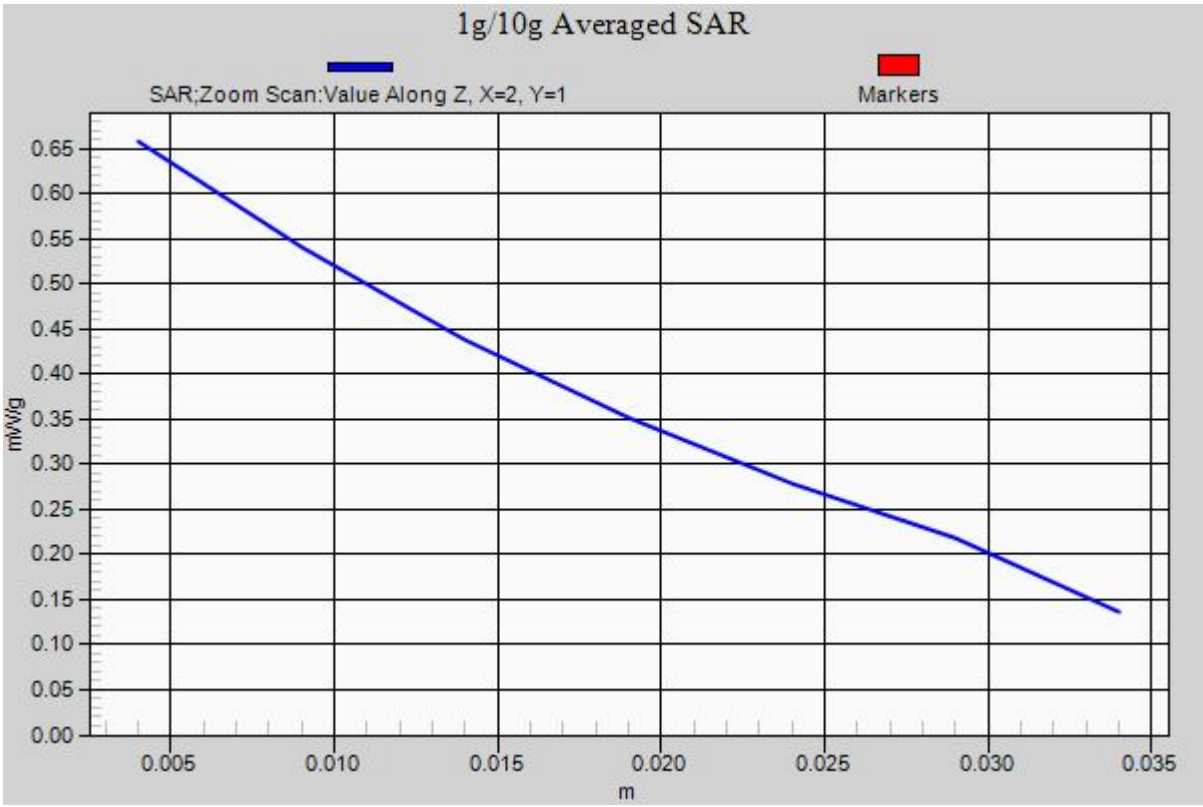
DUT: 222301

Communication System: CDMA2000; Frequency: 824.7 MHz;Duty Cycle: 1:1
Medium: HSL_835_120303 Medium parameters used: f = 824.7 MHz; σ = 0.906 mho/m; ε_r = 41.623; ρ = 1000 kg/m^3
Ambient Temperature：23.4 ℃; Liquid Temperature：21.4 ℃

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)

Ch1013/Area Scan (61x101x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.661 mW/g

Ch1013/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 8.462 V/m; Power Drift = 0.02 dB
Peak SAR (extrapolated) = 0.7690
SAR(1 g) = 0.633 mW/g; SAR(10 g) = 0.481 mW/g
Maximum value of SAR (measured) = 0.658 mW/g



44 CDMA2000 BC0_RC3 SO55_Right Tilted_Ch1013

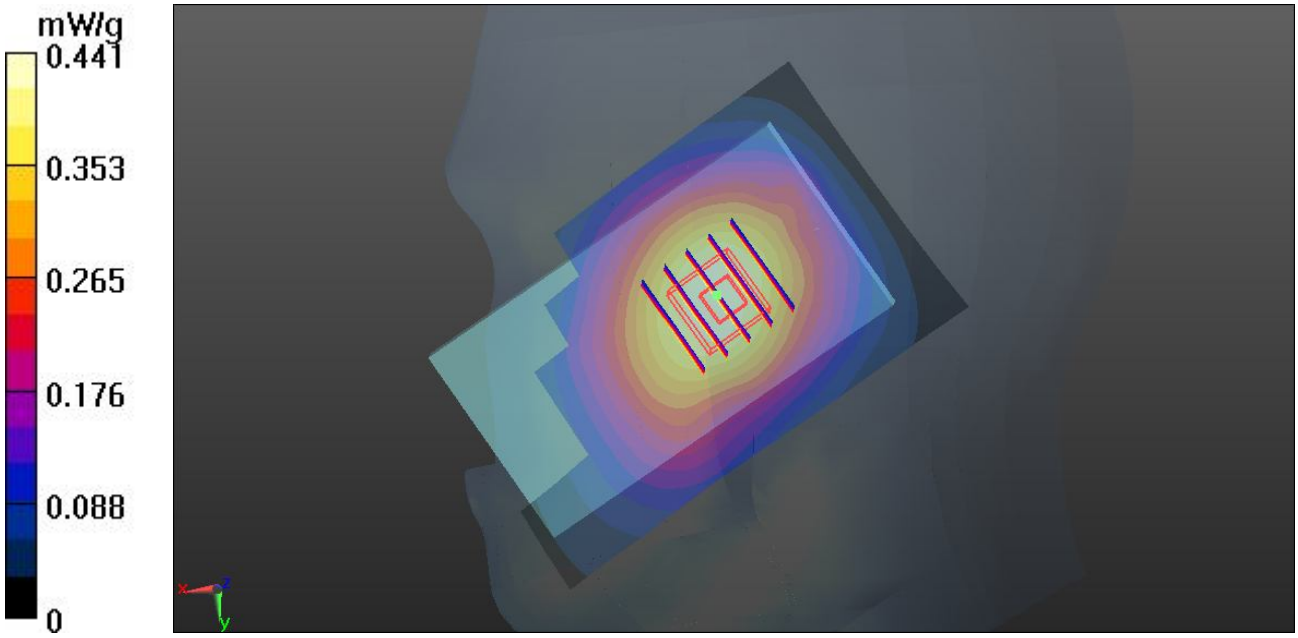
DUT: 222301

Communication System: CDMA2000; Frequency: 824.7 MHz;Duty Cycle: 1:1
Medium: HSL_835_120303 Medium parameters used: f = 824.7 MHz; σ = 0.906 mho/m; ε_r = 41.623; ρ = 1000 kg/m^3
Ambient Temperature：23.4 ℃; Liquid Temperature：21.4 ℃

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)

Ch1013/Area Scan (61x101x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.441 mW/g

Ch1013/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 14.752 V/m; Power Drift = 0.09 dB
Peak SAR (extrapolated) = 0.5220
SAR(1 g) = 0.422 mW/g; SAR(10 g) = 0.317 mW/g
Maximum value of SAR (measured) = 0.446 mW/g



45 CDMA2000 BC0_RC3 SO55_Left Cheek_Ch1013

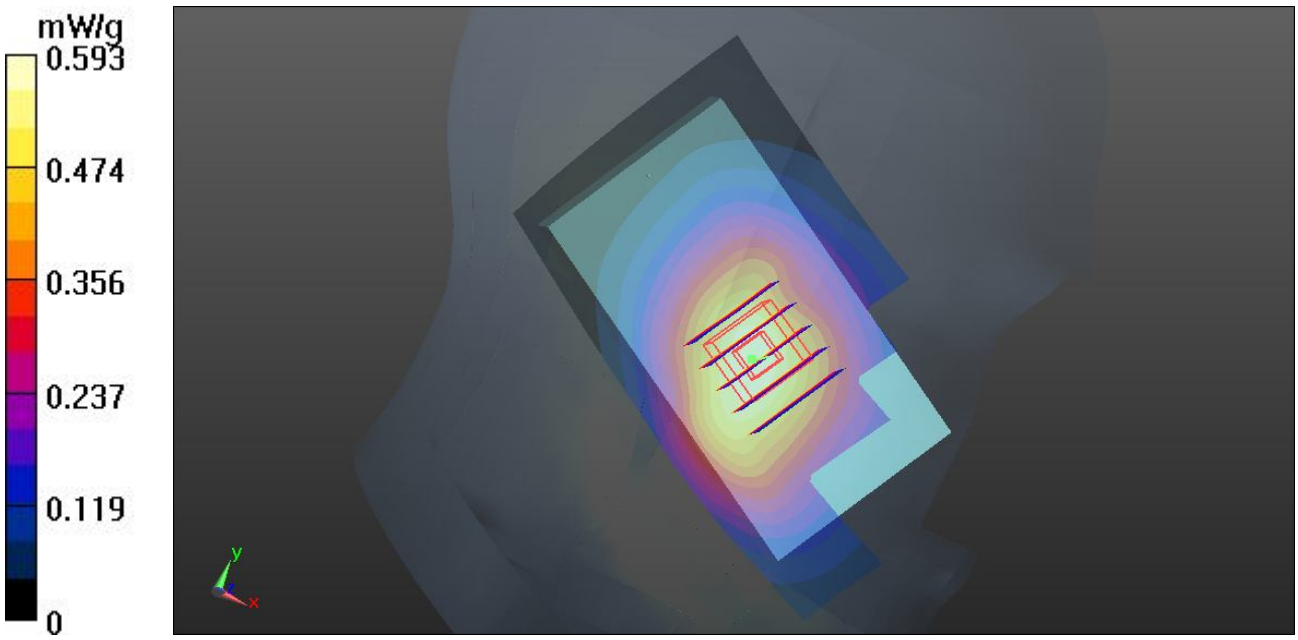
DUT: 222301

Communication System: CDMA2000; Frequency: 824.7 MHz;Duty Cycle: 1:1
Medium: HSL_835_120303 Medium parameters used: f = 824.7 MHz; σ = 0.906 mho/m; ε_r = 41.623; ρ = 1000 kg/m^3
Ambient Temperature：23.4 ℃; Liquid Temperature：21.4 ℃

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)

Ch1013/Area Scan (61x101x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.593 mW/g

Ch1013/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 6.249 V/m; Power Drift = 0.03 dB
Peak SAR (extrapolated) = 0.7710
SAR(1 g) = 0.554 mW/g; SAR(10 g) = 0.418 mW/g
Maximum value of SAR (measured) = 0.585 mW/g



46 CDMA2000 BC0_RC3 SO55_Left Tilted_Ch1013

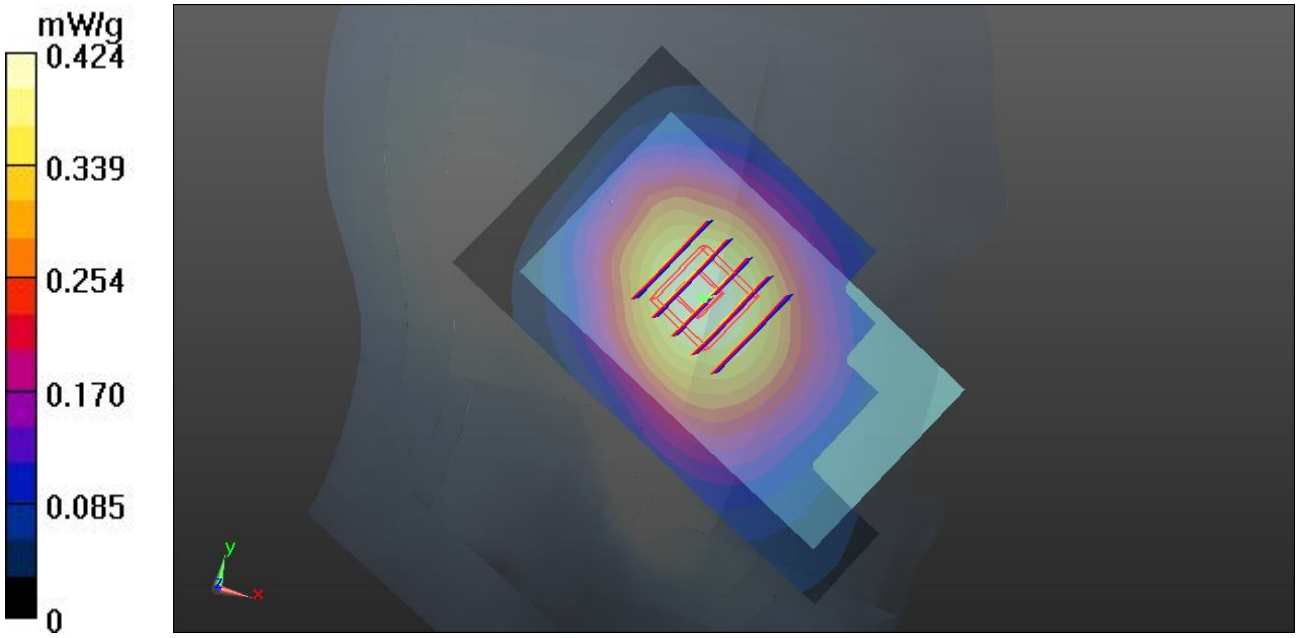
DUT: 222301

Communication System: CDMA2000; Frequency: 824.7 MHz;Duty Cycle: 1:1
Medium: HSL_835_120303 Medium parameters used: f = 824.7 MHz; σ = 0.906 mho/m; ε_r = 41.623; ρ = 1000 kg/m^3
Ambient Temperature：23.4 ℃; Liquid Temperature：21.4 ℃

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)

Ch1013/Area Scan (61x101x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.424 mW/g

Ch1013/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 13.578 V/m; Power Drift = 0.12 dB
Peak SAR (extrapolated) = 0.5450
SAR(1 g) = 0.408 mW/g; SAR(10 g) = 0.308 mW/g
Maximum value of SAR (measured) = 0.422 mW/g



47 CDMA2000 BC15_RC3 SO55_Right Cheek_Ch425

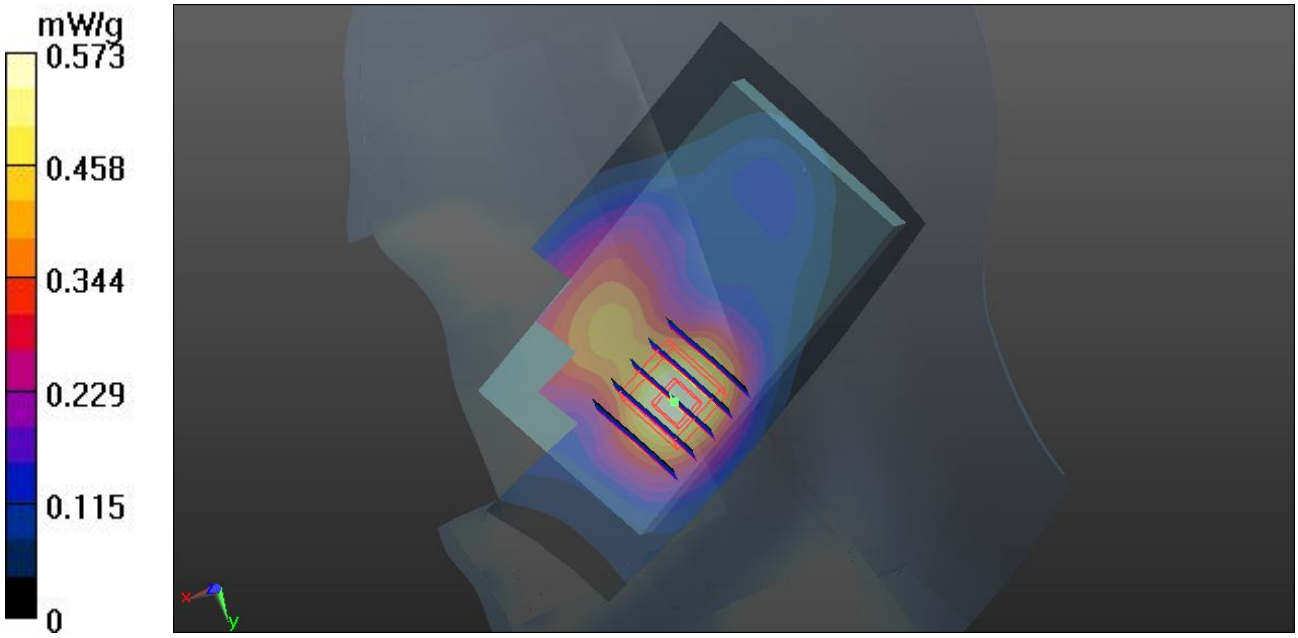
DUT: 222301

Communication System: CDMA2000; Frequency: 1731.25 MHz;Duty Cycle: 1:1
Medium: HSL_1800_120303 Medium parameters used: f = 1731.25 MHz; σ = 1.36 mho/m; ε_r = 41.419; ρ = 1000 kg/m^3
Ambient Temperature：23.8 ℃; Liquid Temperature：21.5 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3819; ConvF(8.69, 8.69, 8.69); 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)

Ch425/Area Scan (61x101x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.573 mW/g

Ch425/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 9.480 V/m; Power Drift = -0.04 dB
Peak SAR (extrapolated) = 0.8290
SAR(1 g) = 0.537 mW/g; SAR(10 g) = 0.339 mW/g
Maximum value of SAR (measured) = 0.581 mW/g



Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab Date: 03.03.2012

48 CDMA2000 BC15_RC3 SO55_Right Tilted_Ch425

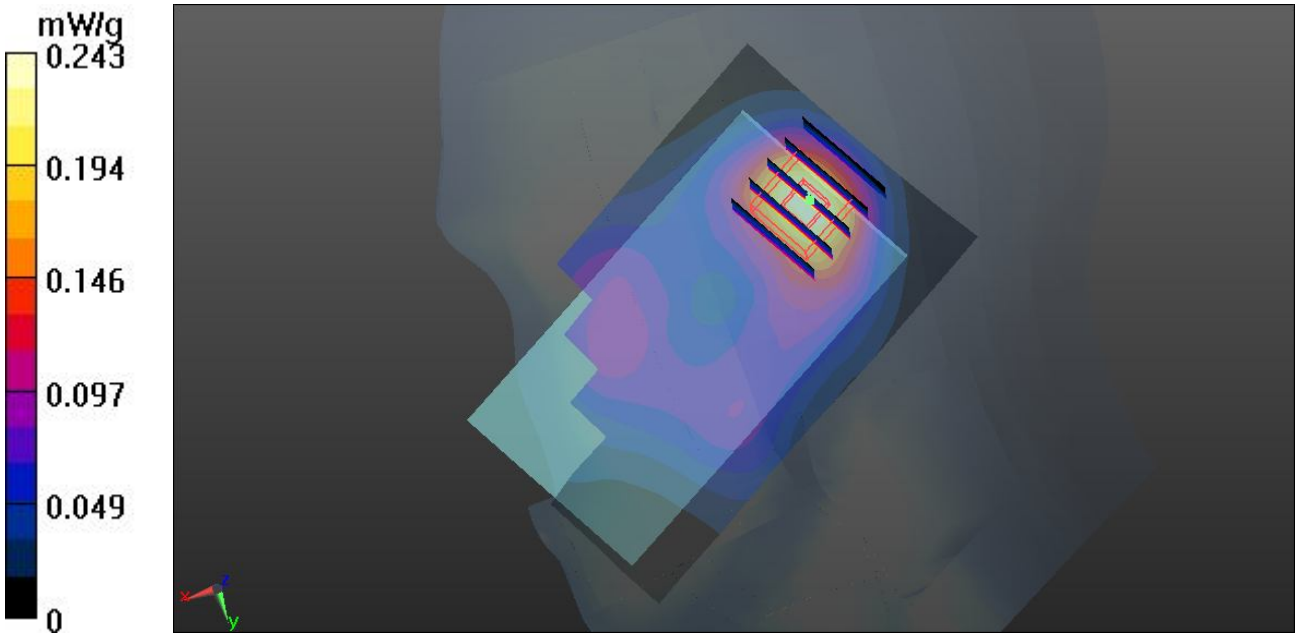
DUT: 222301

Communication System: CDMA2000; Frequency: 1731.25 MHz;Duty Cycle: 1:1
Medium: HSL_1800_120303 Medium parameters used: f = 1731.25 MHz; σ = 1.36 mho/m; ε_r = 41.419; ρ = 1000 kg/m^3
Ambient Temperature：23.8 ℃; Liquid Temperature：21.5 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3819; ConvF(8.69, 8.69, 8.69); 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)

Ch425/Area Scan (61x101x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.243 mW/g

Ch425/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 13.269 V/m; Power Drift = 0.07 dB
Peak SAR (extrapolated) = 0.3800
SAR(1 g) = 0.222 mW/g; SAR(10 g) = 0.130 mW/g
Maximum value of SAR (measured) = 0.243 mW/g



Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab Date: 03.03.2012

49 CDMA2000 BC15_RC3 SO55_Left Cheek_Ch425

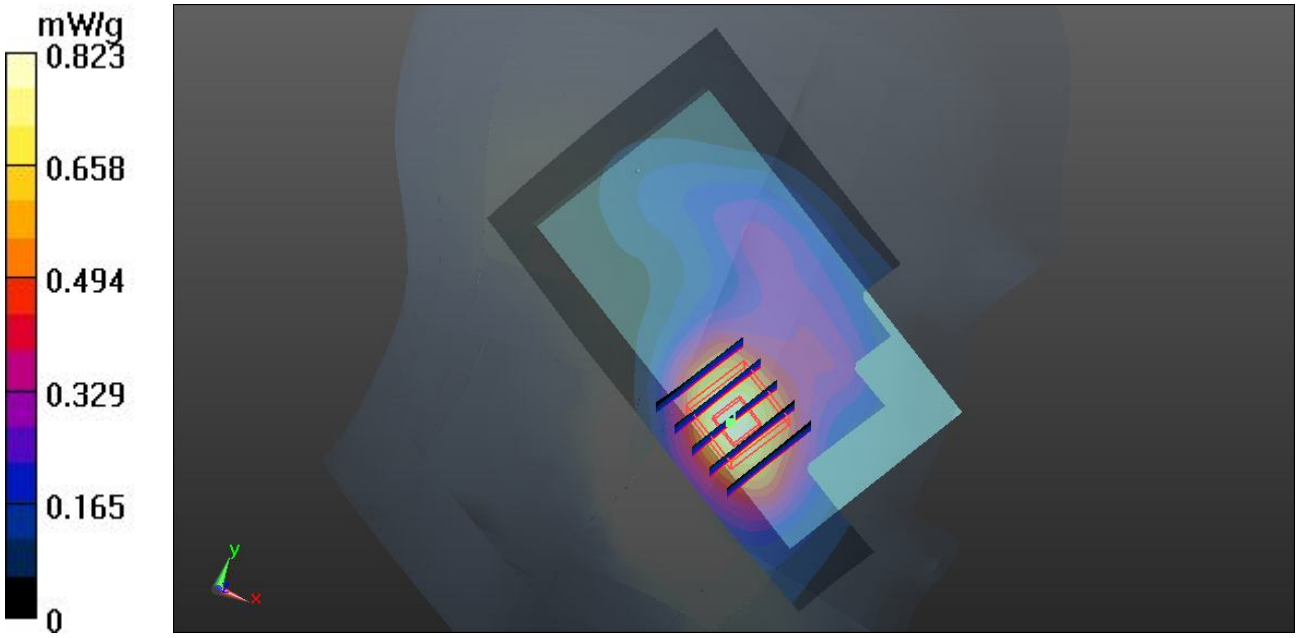
DUT: 222301

Communication System: CDMA2000; Frequency: 1731.25 MHz;Duty Cycle: 1:1
Medium: HSL_1800_120303 Medium parameters used: f = 1731.25 MHz; σ = 1.36 mho/m; ε_r = 41.419; ρ = 1000 kg/m^3
Ambient Temperature：23.8 ℃; Liquid Temperature：21.5 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3819; ConvF(8.69, 8.69, 8.69); 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)

Ch425/Area Scan (61x101x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.823 mW/g

Ch425/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 9.166 V/m; Power Drift = 0.01 dB
Peak SAR (extrapolated) = 1.1440
SAR(1 g) = 0.741 mW/g; SAR(10 g) = 0.451 mW/g
Maximum value of SAR (measured) = 0.814 mW/g



49 CDMA2000 BC15_RC3 SO55_Left Cheek_Ch425_2D

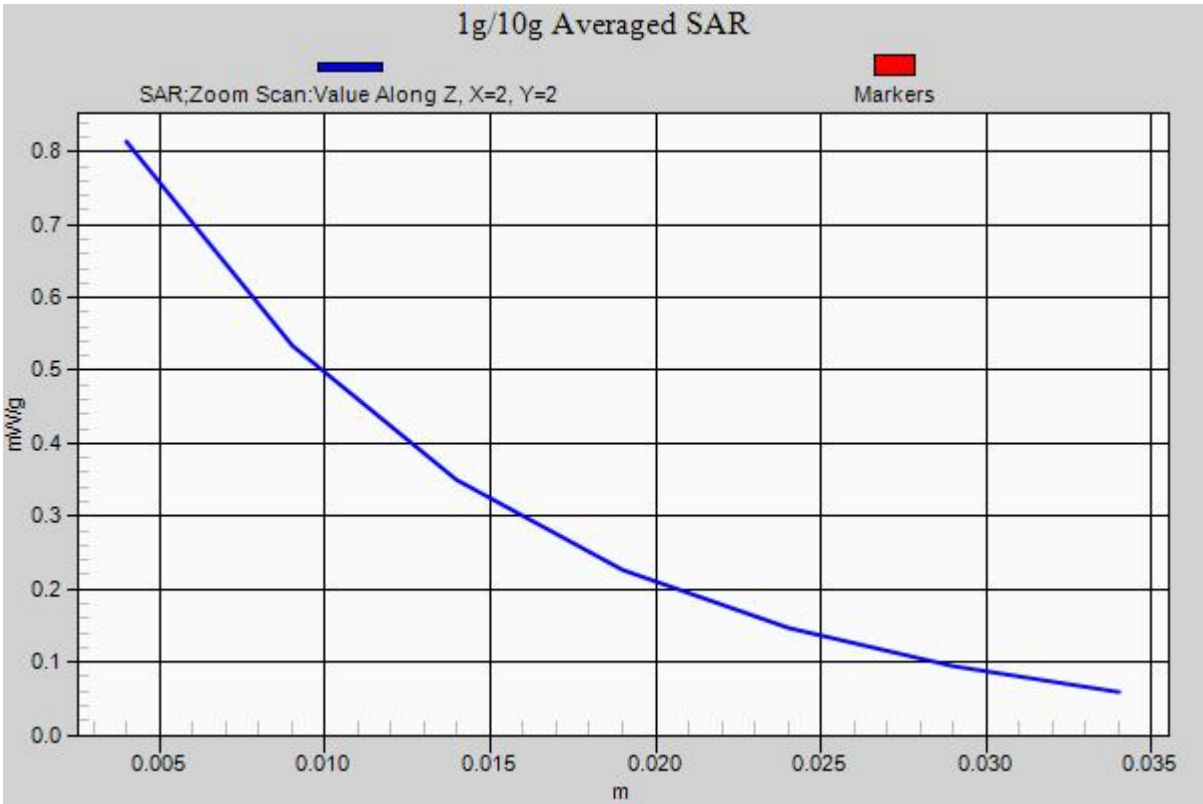
DUT: 222301

Communication System: CDMA2000; Frequency: 1731.25 MHz;Duty Cycle: 1:1
Medium: HSL_1800_120303 Medium parameters used: f = 1731.25 MHz; σ = 1.36 mho/m; ε_r = 41.419; ρ = 1000 kg/m^3
Ambient Temperature：23.8 ℃; Liquid Temperature：21.5 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3819; ConvF(8.69, 8.69, 8.69); 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)

Ch425/Area Scan (61x101x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.823 mW/g

Ch425/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 9.166 V/m; Power Drift = 0.01 dB
Peak SAR (extrapolated) = 1.1440
SAR(1 g) = 0.741 mW/g; SAR(10 g) = 0.451 mW/g
Maximum value of SAR (measured) = 0.814 mW/g



Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab Date: 03.03.2012

50 CDMA2000 BC15_RC3 SO55_Left Tilted_Ch425

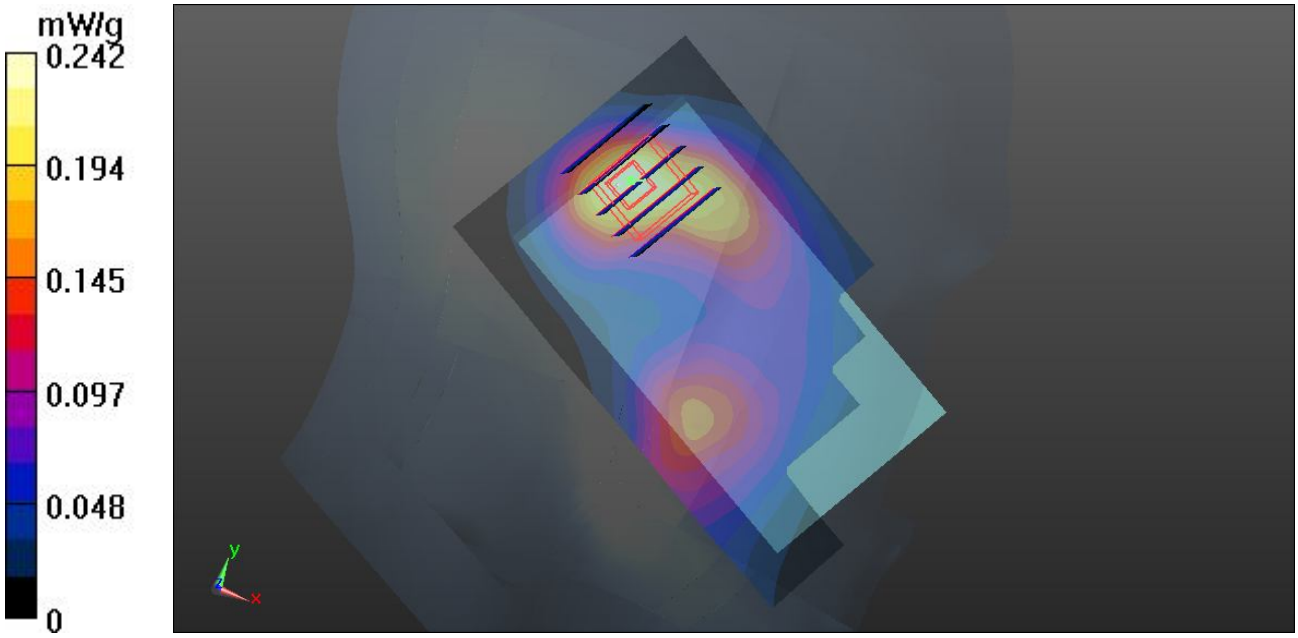
DUT: 222301

Communication System: CDMA2000; Frequency: 1731.25 MHz;Duty Cycle: 1:1
Medium: HSL_1800_120303 Medium parameters used: f = 1731.25 MHz; σ = 1.36 mho/m; ε_r = 41.419; ρ = 1000 kg/m^3
Ambient Temperature：23.8 ℃; Liquid Temperature：21.5 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3819; ConvF(8.69, 8.69, 8.69); 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)

Ch425/Area Scan (61x101x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.242 mW/g

Ch425/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 12.952 V/m; Power Drift = -0.02 dB
Peak SAR (extrapolated) = 0.3150
SAR(1 g) = 0.208 mW/g; SAR(10 g) = 0.127 mW/g
Maximum value of SAR (measured) = 0.228 mW/g



13 CDMA2000 BC1_RC3 SO55_Right Cheek_Ch25

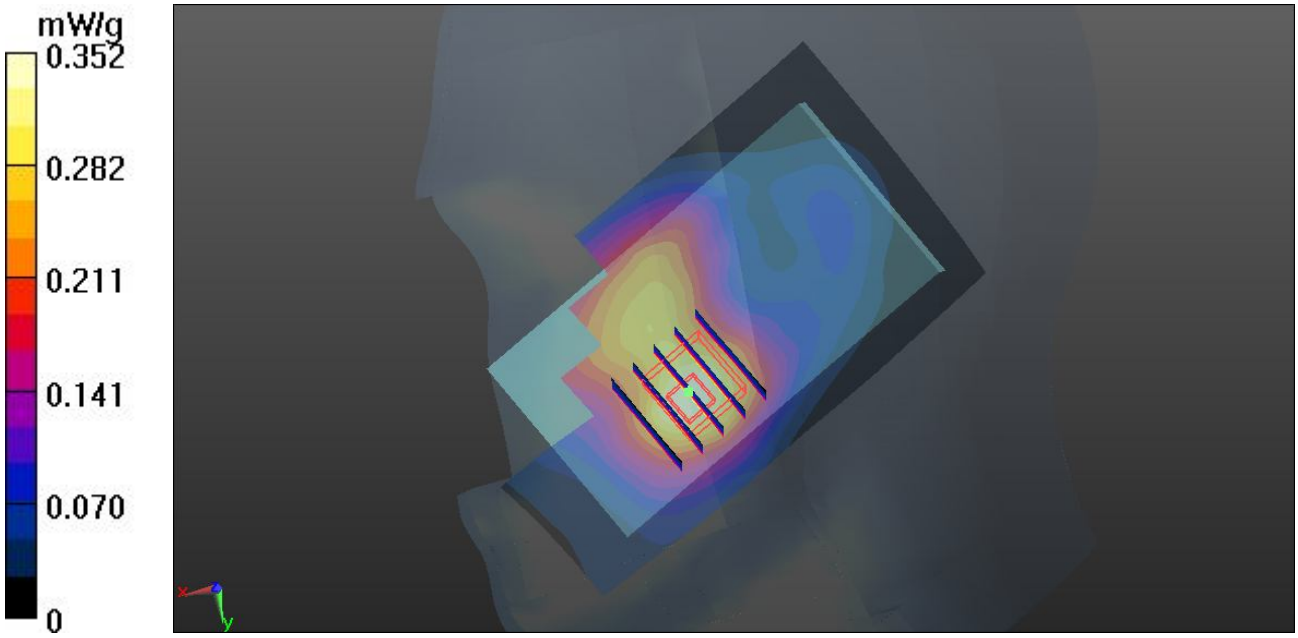
DUT: 222301

Communication System: CDMA2000; Frequency: 1851.25 MHz;Duty Cycle: 1:1
Medium: HSL_1900_120301 Medium parameters used: f = 1851.25 MHz; σ = 1.366 mho/m; ε_r = 41.26; ρ = 1000 kg/m^3
Ambient Temperature：23.6 ℃; Liquid Temperature：21.4 ℃

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)

Ch25/Area Scan (61x101x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.352 mW/g

Ch25/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 7.513 V/m; Power Drift = 0.0089 dB
Peak SAR (extrapolated) = 0.4310
SAR(1 g) = 0.316 mW/g; SAR(10 g) = 0.208 mW/g
Maximum value of SAR (measured) = 0.342 mW/g



14 CDMA2000 BC1_RC3 SO55_Right Tilted_Ch25

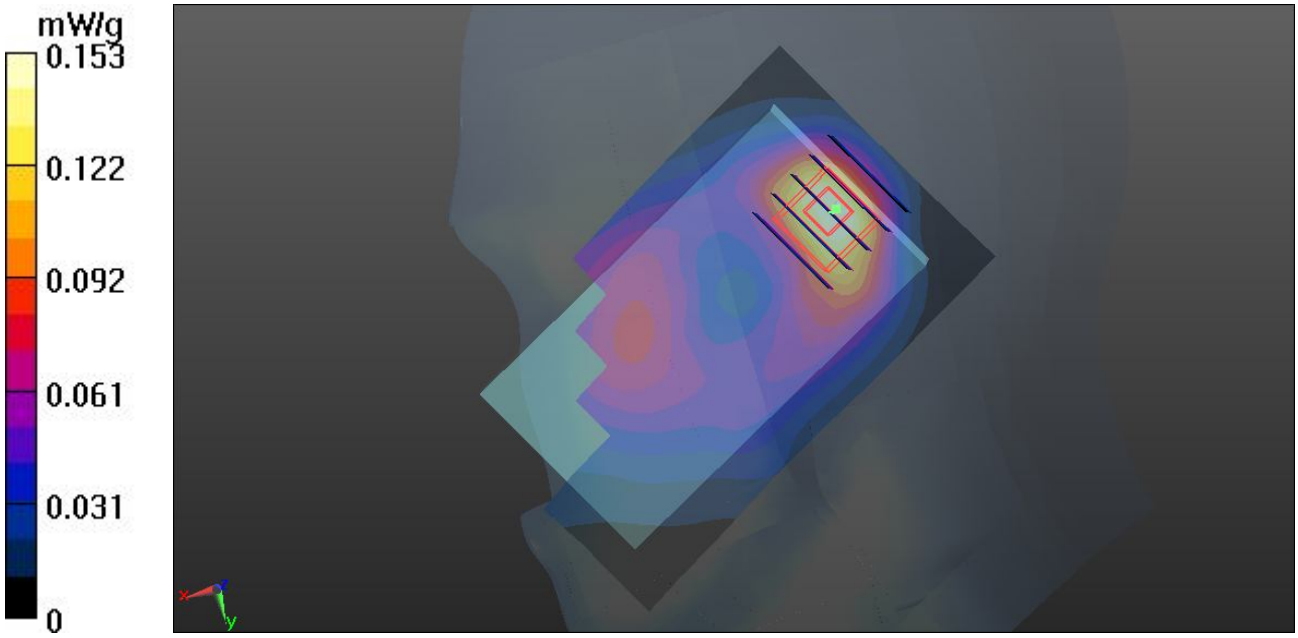
DUT: 222301

Communication System: CDMA2000; Frequency: 1851.25 MHz;Duty Cycle: 1:1
Medium: HSL_1900_120301 Medium parameters used: f = 1851.25 MHz; σ = 1.366 mho/m; ε_r = 41.26; ρ = 1000 kg/m^3
Ambient Temperature：23.6 ℃; Liquid Temperature：21.4 ℃

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)

Ch25/Area Scan (61x101x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.153 mW/g

Ch25/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 10.662 V/m; Power Drift = -0.03 dB
Peak SAR (extrapolated) = 0.2180
SAR(1 g) = 0.139 mW/g; SAR(10 g) = 0.082 mW/g
Maximum value of SAR (measured) = 0.153 mW/g



15 CDMA2000 BC1_RC3 SO55_Left Cheek_Ch25

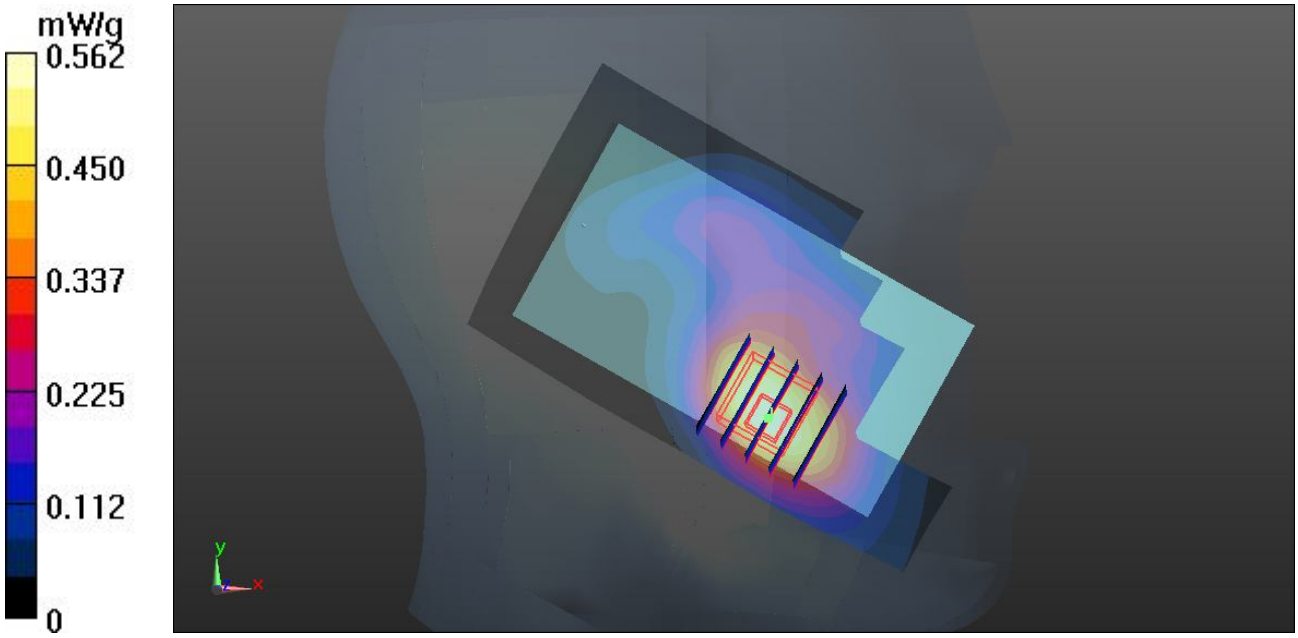
DUT: 222301

Communication System: CDMA2000; Frequency: 1851.25 MHz;Duty Cycle: 1:1
Medium: HSL_1900_120301 Medium parameters used: f = 1851.25 MHz; σ = 1.366 mho/m; ε_r = 41.26; ρ = 1000 kg/m^3
Ambient Temperature：23.6 ℃; Liquid Temperature：21.4 ℃

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)

Ch25/Area Scan (61x101x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.562 mW/g

Ch25/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 7.044 V/m; Power Drift = 0.09 dB
Peak SAR (extrapolated) = 0.7910
SAR(1 g) = 0.510 mW/g; SAR(10 g) = 0.316 mW/g
Maximum value of SAR (measured) = 0.561 mW/g



15 CDMA2000 BC1_RC3 SO55_Left Cheek_Ch25_2D

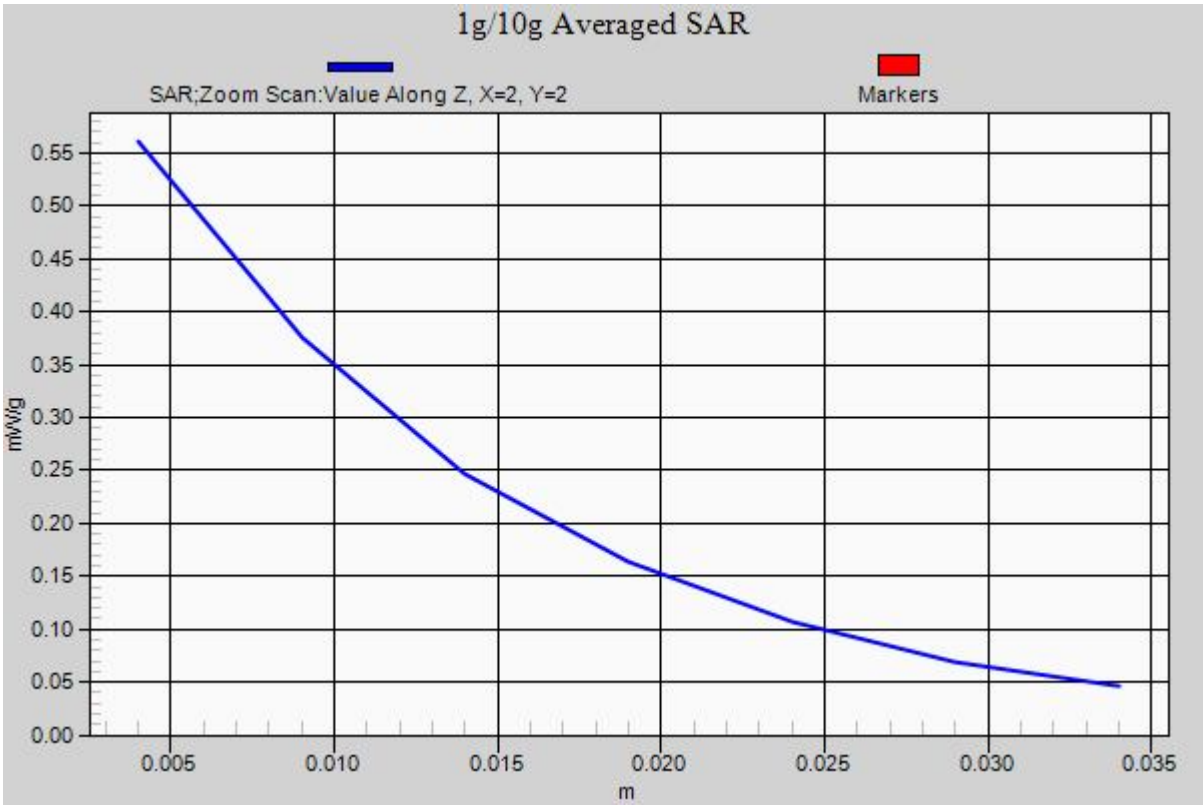
DUT: 222301

Communication System: CDMA2000; Frequency: 1851.25 MHz;Duty Cycle: 1:1
Medium: HSL_1900_120301 Medium parameters used: f = 1851.25 MHz; σ = 1.366 mho/m; ε_r = 41.26; ρ = 1000 kg/m^3
Ambient Temperature：23.6 ℃; Liquid Temperature：21.4 ℃

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)

Ch25/Area Scan (61x101x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.562 mW/g

Ch25/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 7.044 V/m; Power Drift = 0.09 dB
Peak SAR (extrapolated) = 0.7910
SAR(1 g) = 0.510 mW/g; SAR(10 g) = 0.316 mW/g
Maximum value of SAR (measured) = 0.561 mW/g



16 CDMA2000 BC1_RC3 SO55_Left Tilted_Ch25

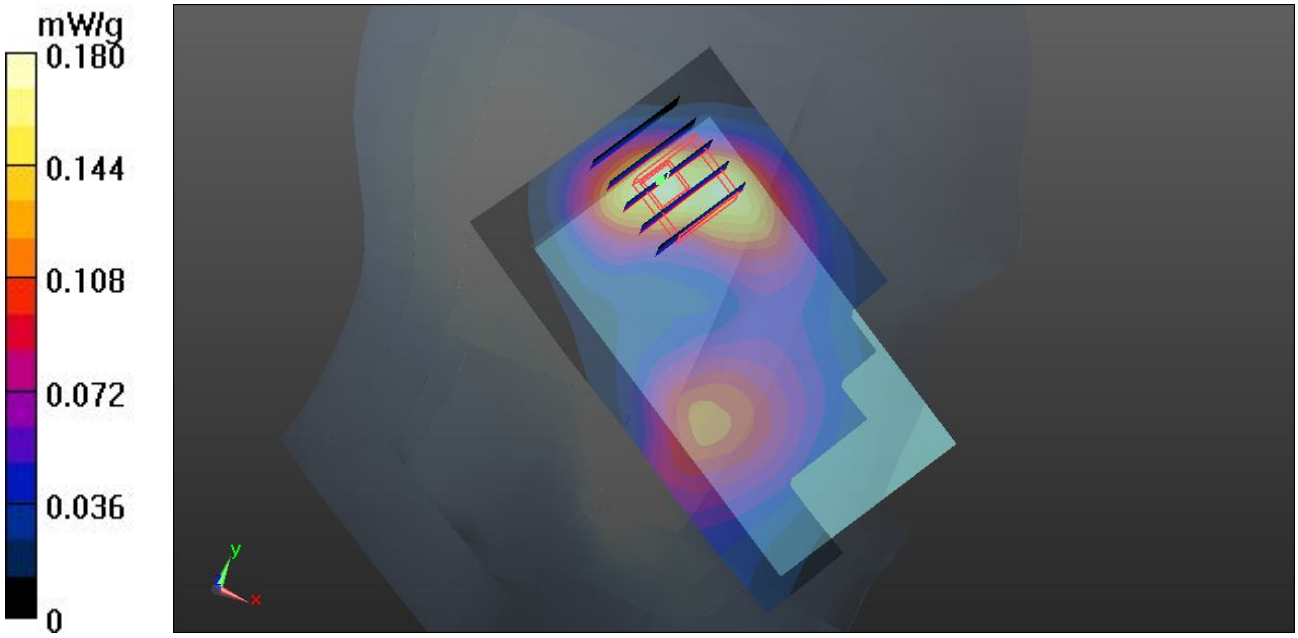
DUT: 222301

Communication System: CDMA2000; Frequency: 1851.25 MHz;Duty Cycle: 1:1
Medium: HSL_1900_120301 Medium parameters used: f = 1851.25 MHz; σ = 1.366 mho/m; ε_r = 41.26; ρ = 1000 kg/m^3
Ambient Temperature：23.6 ℃; Liquid Temperature：21.4 ℃

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)

Ch25/Area Scan (61x101x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.180 mW/g

Ch25/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 10.721 V/m; Power Drift = -0.03 dB
Peak SAR (extrapolated) = 0.2360
SAR(1 g) = 0.152 mW/g; SAR(10 g) = 0.095 mW/g
Maximum value of SAR (measured) = 0.163 mW/g



61 802.11b_Right Cheek_Ch6

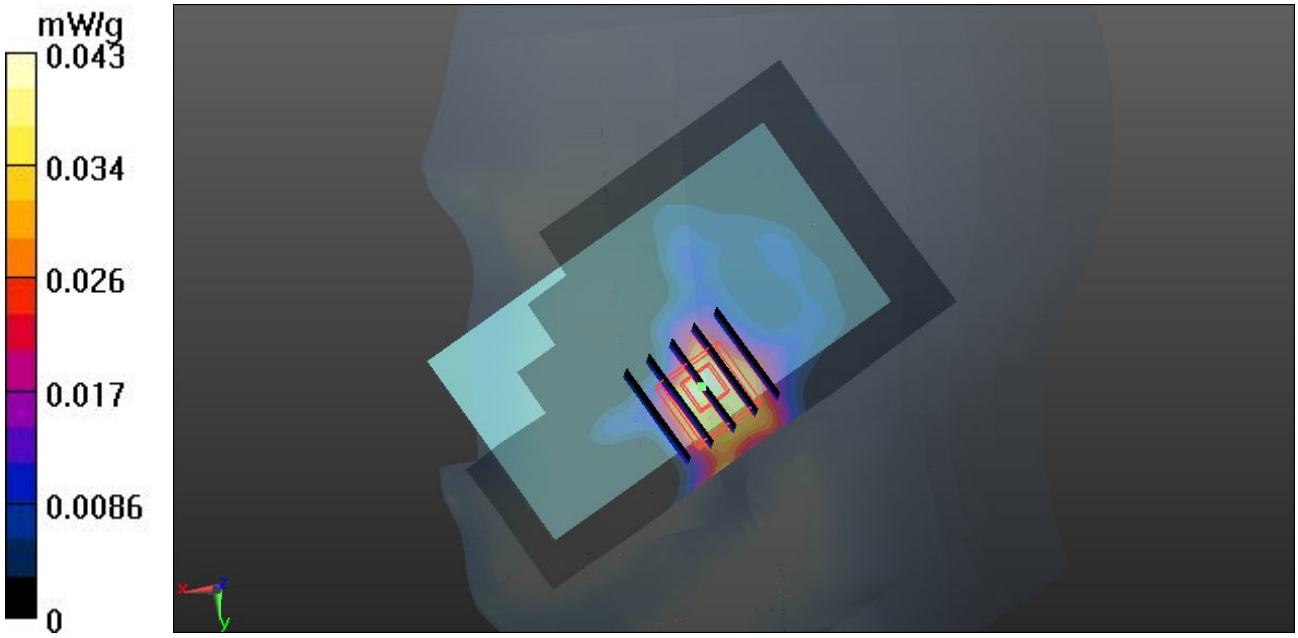
DUT: 222301

Communication System: WIFI; Frequency: 2437 MHz;Duty Cycle: 1:1
Medium: HSL_2450_120306 Medium parameters used: f = 2437 MHz; σ = 1.843 mho/m; ε_r = 37.718; ρ = 1000 kg/m^3
Ambient Temperature：23.3 ℃; Liquid Temperature：21.2 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3819; ConvF(7.33, 7.33, 7.33); 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)

Ch6/Area Scan (61x101x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.043 mW/g

Ch6/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 1.820 V/m; Power Drift = 0.08 dB
Peak SAR (extrapolated) = 0.0680
SAR(1 g) = 0.036 mW/g; SAR(10 g) = 0.017 mW/g
Maximum value of SAR (measured) = 0.043 mW/g



61 802.11b_Right Cheek_Ch6_2D

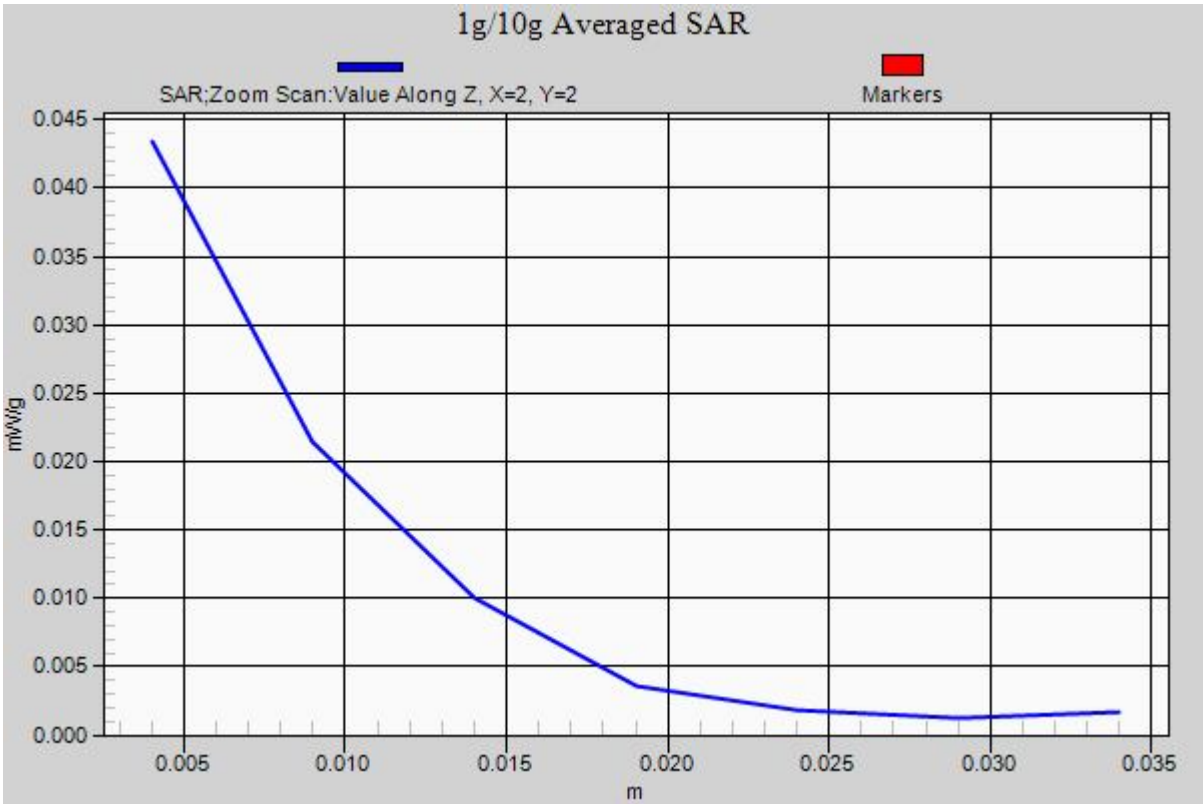
DUT: 222301

Communication System: WIFI; Frequency: 2437 MHz;Duty Cycle: 1:1
Medium: HSL_2450_120306 Medium parameters used: f = 2437 MHz; σ = 1.843 mho/m; ε_r = 37.718; ρ = 1000 kg/m^3
Ambient Temperature：23.3 ℃; Liquid Temperature：21.2 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3819; ConvF(7.33, 7.33, 7.33); 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)

Ch6/Area Scan (61x101x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.043 mW/g

Ch6/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 1.820 V/m; Power Drift = 0.08 dB
Peak SAR (extrapolated) = 0.0680
SAR(1 g) = 0.036 mW/g; SAR(10 g) = 0.017 mW/g
Maximum value of SAR (measured) = 0.043 mW/g



62 802.11b_Right Tilted_Ch6

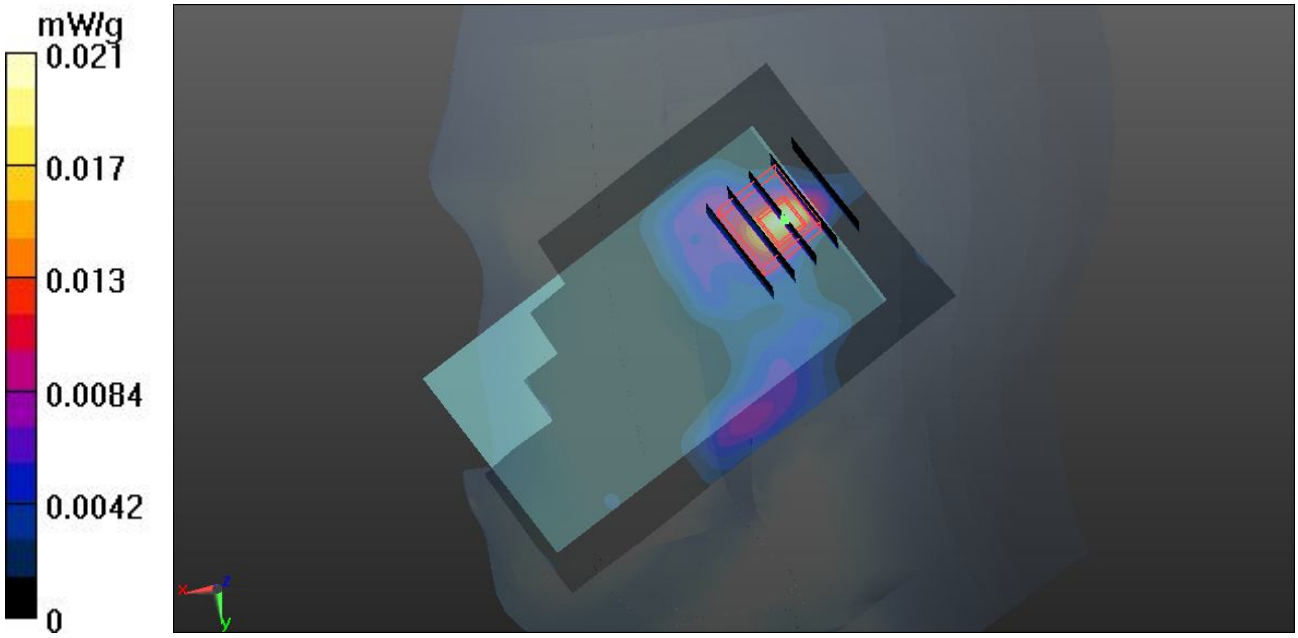
DUT: 222301

Communication System: WIFI; Frequency: 2437 MHz;Duty Cycle: 1:1
Medium: HSL_2450_120306 Medium parameters used: f = 2437 MHz; σ = 1.843 mho/m; ε_r = 37.718; ρ = 1000 kg/m^3
Ambient Temperature：23.3 ℃; Liquid Temperature：21.2 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3819; ConvF(7.33, 7.33, 7.33); 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)

Ch6/Area Scan (61x101x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.021 mW/g

Ch6/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 2.525 V/m; Power Drift = 0.04 dB
Peak SAR (extrapolated) = 0.0220
SAR(1 g) = 0.011 mW/g; SAR(10 g) = 0.00484 mW/g
Maximum value of SAR (measured) = 0.012 mW/g



Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab Date: 06.03.2012

63 802.11b_Left Cheek_Ch6

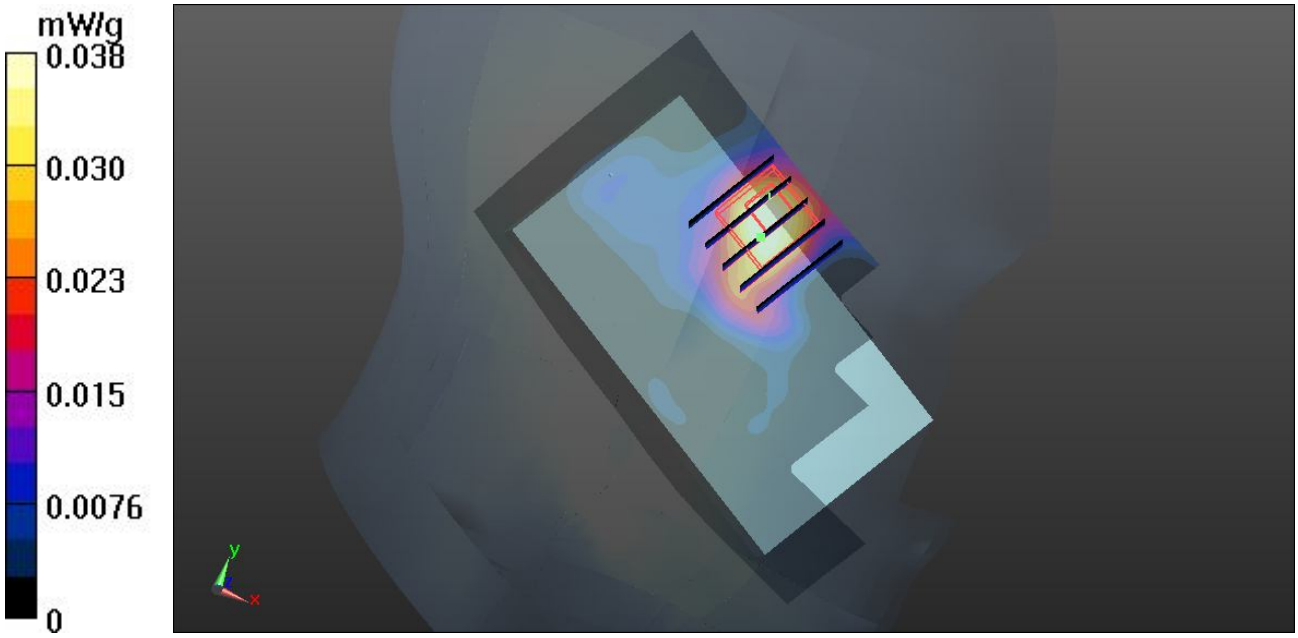
DUT: 222301

Communication System: WIFI; Frequency: 2437 MHz;Duty Cycle: 1:1
Medium: HSL_2450_120306 Medium parameters used: f = 2437 MHz; σ = 1.843 mho/m; ε_r = 37.718; ρ = 1000 kg/m^3
Ambient Temperature：23.3 ℃; Liquid Temperature：21.2 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3819; ConvF(7.33, 7.33, 7.33); 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)

Ch6/Area Scan (61x101x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.038 mW/g

Ch6/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 1.936 V/m; Power Drift = 0.14 dB
Peak SAR (extrapolated) = 0.0940
SAR(1 g) = 0.036 mW/g; SAR(10 g) = 0.016 mW/g
Maximum value of SAR (measured) = 0.040 mW/g



Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab Date: 06.03.2012

64 802.11b_Left Tilted_Ch6

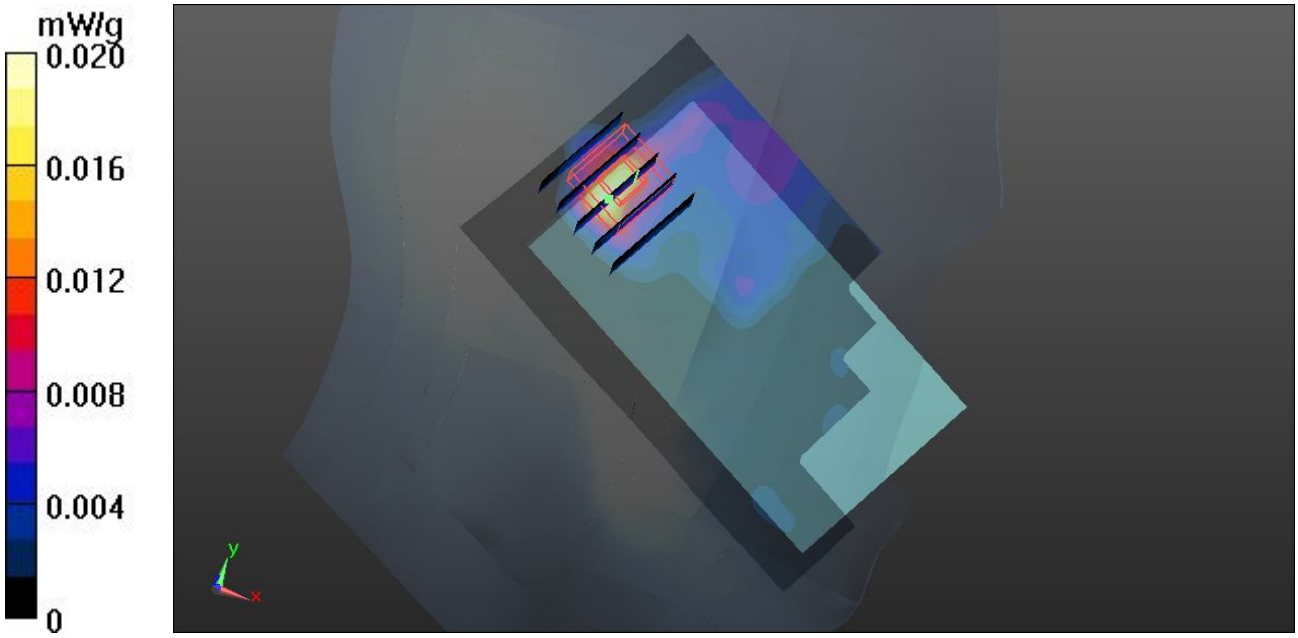
DUT: 222301

Communication System: WIFI; Frequency: 2437 MHz;Duty Cycle: 1:1
Medium: HSL_2450_120306 Medium parameters used: f = 2437 MHz; σ = 1.843 mho/m; ε_r = 37.718; ρ = 1000 kg/m^3
Ambient Temperature：23.3 ℃; Liquid Temperature：21.2 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3819; ConvF(7.33, 7.33, 7.33); 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)

Ch6/Area Scan (61x101x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.020 mW/g

Ch6/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 2.635 V/m; Power Drift = 0.05 dB
Peak SAR (extrapolated) = 0.0230
SAR(1 g) = 0.012 mW/g; SAR(10 g) = 0.00596 mW/g
Maximum value of SAR (measured) = 0.014 mW/g



65 802.11g_Right Cheek_Ch6

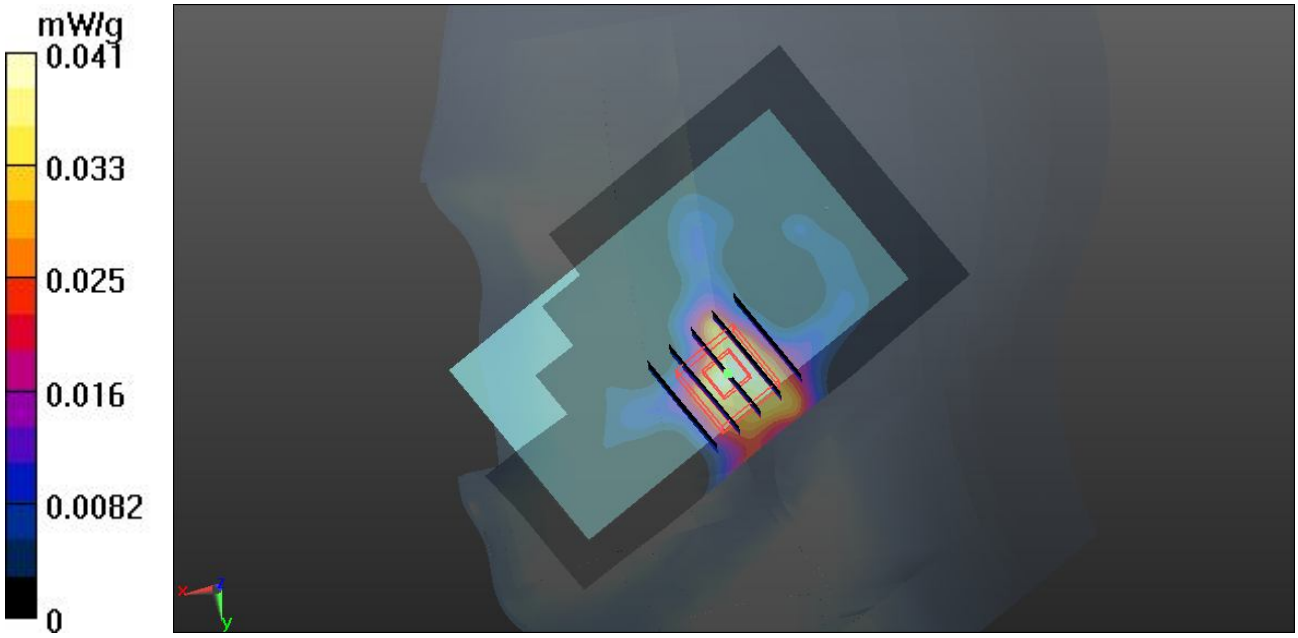
DUT: 222301

Communication System: WIFI; Frequency: 2437 MHz;Duty Cycle: 1:1
Medium: HSL_2450_120306 Medium parameters used: f = 2437 MHz; σ = 1.843 mho/m; ε_r = 37.718; ρ = 1000 kg/m^3
Ambient Temperature：23.3 ℃; Liquid Temperature：21.2 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3819; ConvF(7.33, 7.33, 7.33); 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)

Ch6/Area Scan (61x101x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.041 mW/g

Ch6/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 1.949 V/m; Power Drift = 0.07 dB
Peak SAR (extrapolated) = 0.0610
SAR(1 g) = 0.033 mW/g; SAR(10 g) = 0.016 mW/g
Maximum value of SAR (measured) = 0.040 mW/g



Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab Date: 06.03.2012

66 802.11n_Right Cheek_Ch6

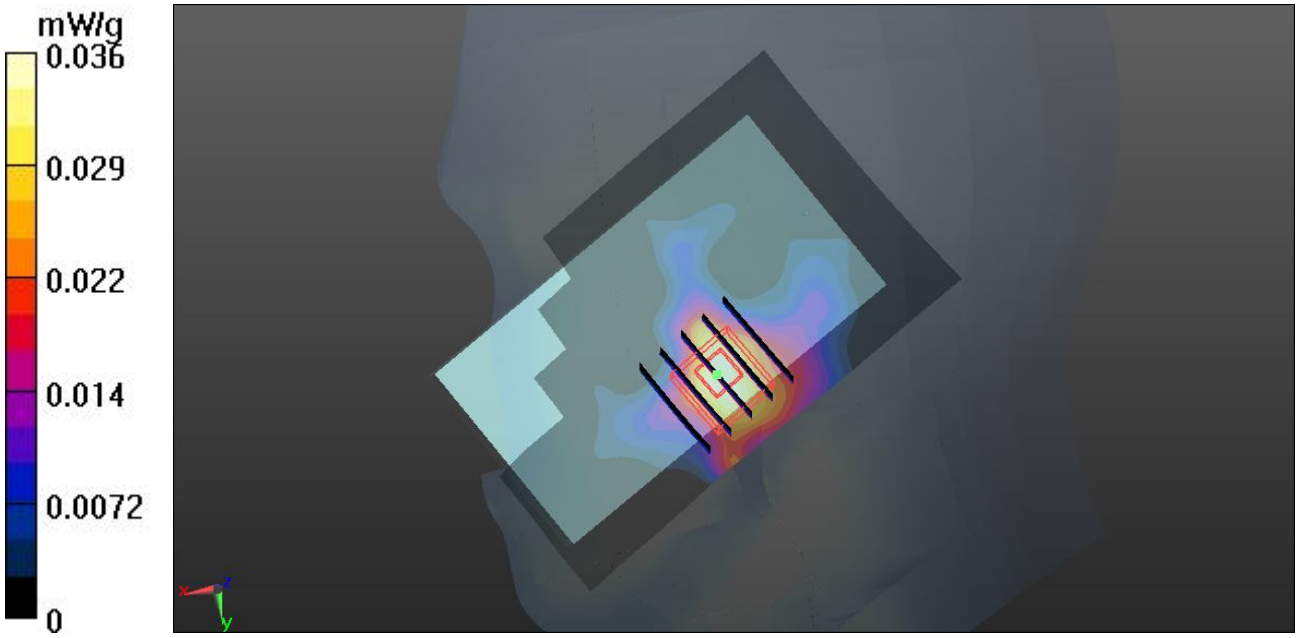
DUT: 222301

Communication System: WIFI; Frequency: 2437 MHz;Duty Cycle: 1:1
Medium: HSL_2450_120306 Medium parameters used: f = 2437 MHz; σ = 1.843 mho/m; ε_r = 37.718; ρ = 1000 kg/m^3
Ambient Temperature：23.3 ℃; Liquid Temperature：21.2 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3819; ConvF(7.33, 7.33, 7.33); 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)

Ch6/Area Scan (61x101x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.036 mW/g

Ch6/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 2.103 V/m; Power Drift = 0.05 dB
Peak SAR (extrapolated) = 0.0580
SAR(1 g) = 0.031 mW/g; SAR(10 g) = 0.015 mW/g
Maximum value of SAR (measured) = 0.038 mW/g



31 CDMA2000 BC0_RTAP 153.6_Front_1.0cm_Ch1013

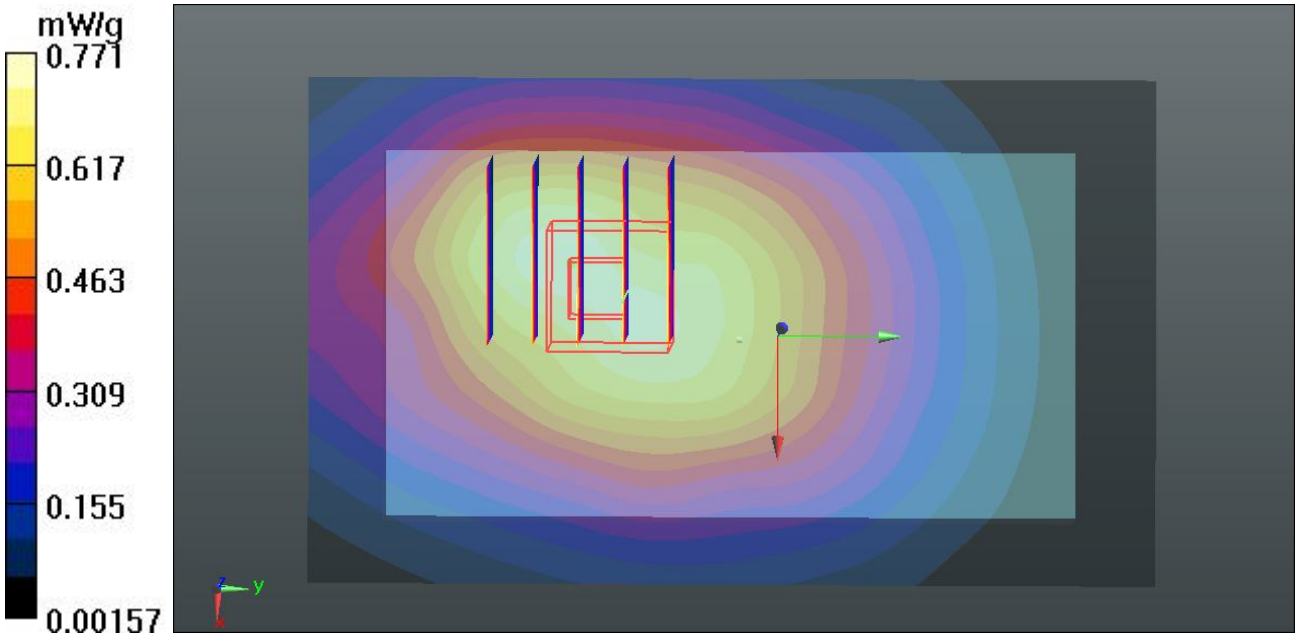
DUT: 222301

Communication System: CDMA2000; Frequency: 824.7 MHz;Duty Cycle: 1:1
Medium: MSL_835_120302 Medium parameters used: f = 825 MHz; σ = 0.966 mho/m; ε_r = 54.431; ρ = 1000 kg/m^3
Ambient Temperature：23.6 ℃; Liquid Temperature：21.6 ℃

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)

Ch1013/Area Scan (61x101x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.771 mW/g

Ch1013/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 23.957 V/m; Power Drift = 0.04 dB
Peak SAR (extrapolated) = 0.9890
SAR(1 g) = 0.749 mW/g; SAR(10 g) = 0.554 mW/g
Maximum value of SAR (measured) = 0.776 mW/g



32 CDMA2000 BC0_RTAP 153.6_Back_1.0cm_Ch1013

DUT: 222301

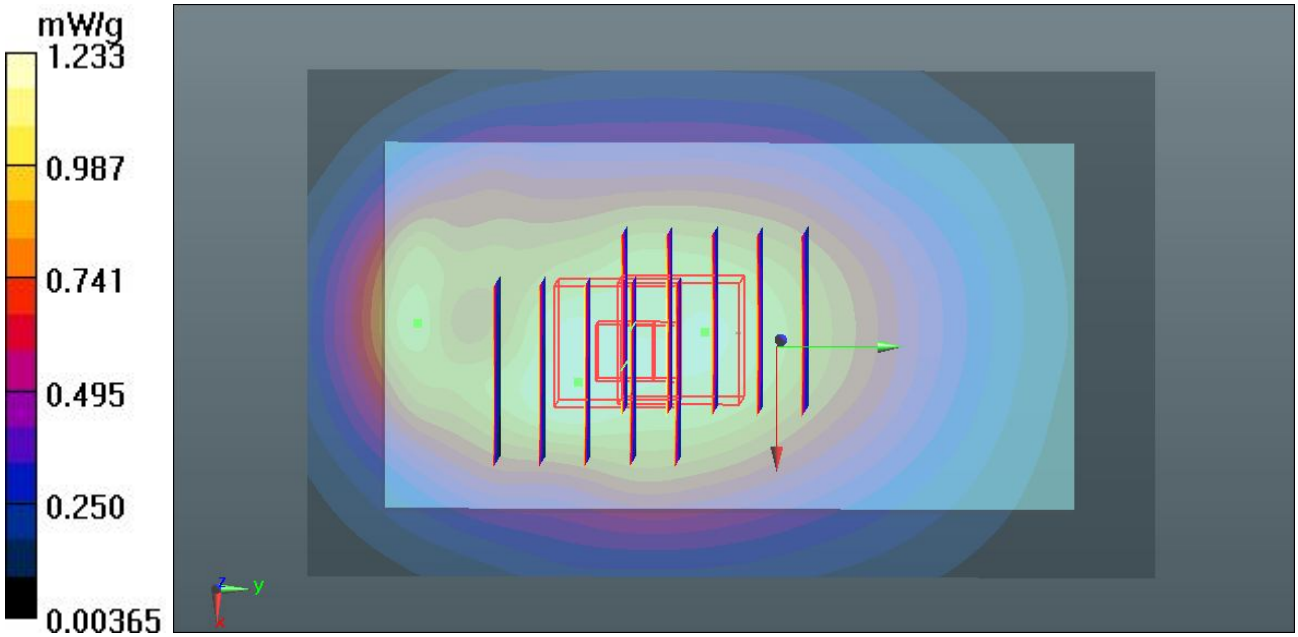
Communication System: CDMA2000; Frequency: 824.7 MHz;Duty Cycle: 1:1
Medium: MSL_835_120302 Medium parameters used: f = 825 MHz; σ = 0.966 mho/m; ε_r = 54.431; ρ = 1000 kg/m^3
Ambient Temperature：23.6 ℃； Liquid Temperature：21.6 ℃

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)

Ch1013/Area Scan (61x101x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 1.233 mW/g

Ch1013/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 34.577 V/m; Power Drift = 0.009 dB
Peak SAR (extrapolated) = 1.8830
SAR(1 g) = 1.28 mW/g; SAR(10 g) = 0.905 mW/g
Maximum value of SAR (measured) = 1.338 mW/g

Ch1013/Zoom Scan (5x5x7)/Cube 1: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 34.577 V/m; Power Drift = 0.009 dB
Peak SAR (extrapolated) = 1.6840
SAR(1 g) = 1.27 mW/g; SAR(10 g) = 0.908 mW/g
Maximum value of SAR (measured) = 1.340 mW/g



32 CDMA2000 BC0_RTAP 153.6_Back_1.0cm_Ch1013_2D

DUT: 222301

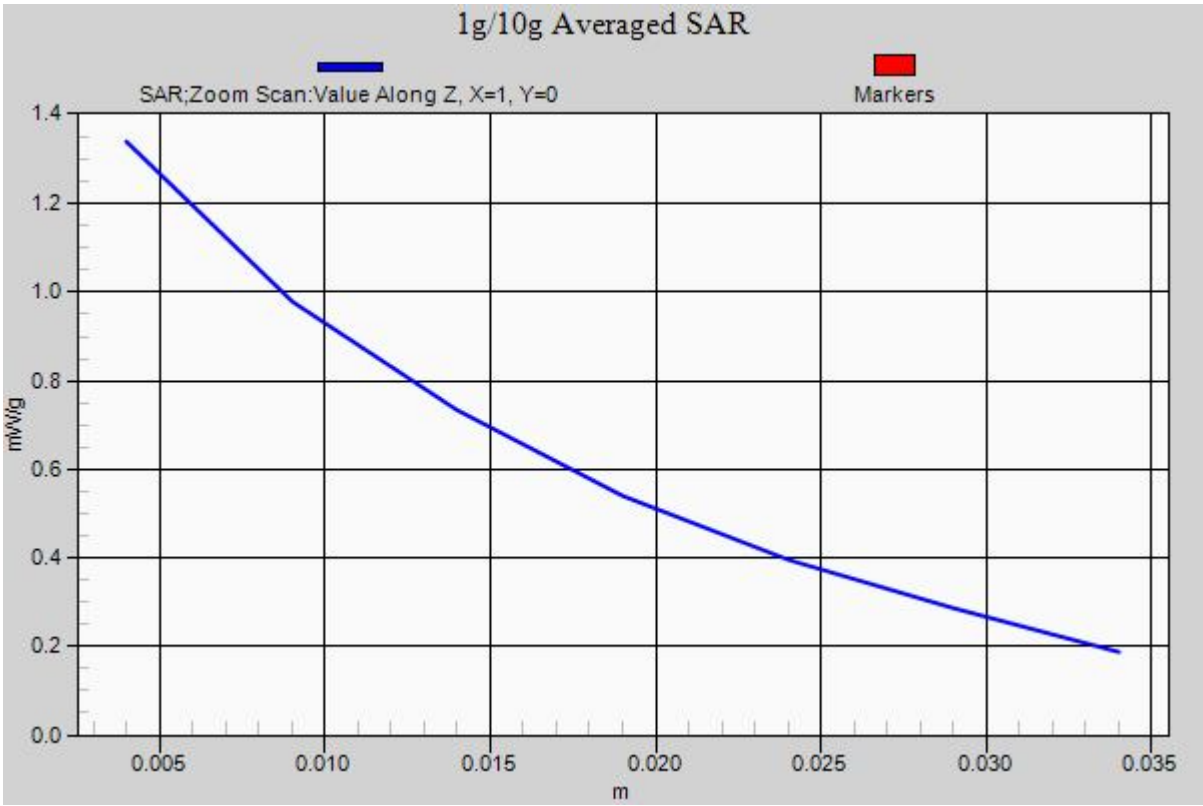
Communication System: CDMA2000; Frequency: 824.7 MHz;Duty Cycle: 1:1
Medium: MSL_835_120302 Medium parameters used: f = 825 MHz; σ = 0.966 mho/m; ε_r = 54.431; ρ = 1000 kg/m^3
Ambient Temperature：23.6 ℃; Liquid Temperature：21.6 ℃

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)

Ch1013/Area Scan (61x101x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 1.233 mW/g

Ch1013/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 34.577 V/m; Power Drift = 0.009 dB
Peak SAR (extrapolated) = 1.8830
SAR(1 g) = 1.28 mW/g; SAR(10 g) = 0.905 mW/g
Maximum value of SAR (measured) = 1.338 mW/g

Ch1013/Zoom Scan (5x5x7)/Cube 1: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 34.577 V/m; Power Drift = 0.009 dB
Peak SAR (extrapolated) = 1.6840
SAR(1 g) = 1.27 mW/g; SAR(10 g) = 0.908 mW/g
Maximum value of SAR (measured) = 1.340 mW/g


1g/10g Averaged SAR
SAR;Zoom Scan:Value Along Z, X=1, Y=0
Markers
mW/g
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
0.035
m

33 CDMA2000 BC0_RTAP 153.6_Left Side_1.0cm_Ch1013

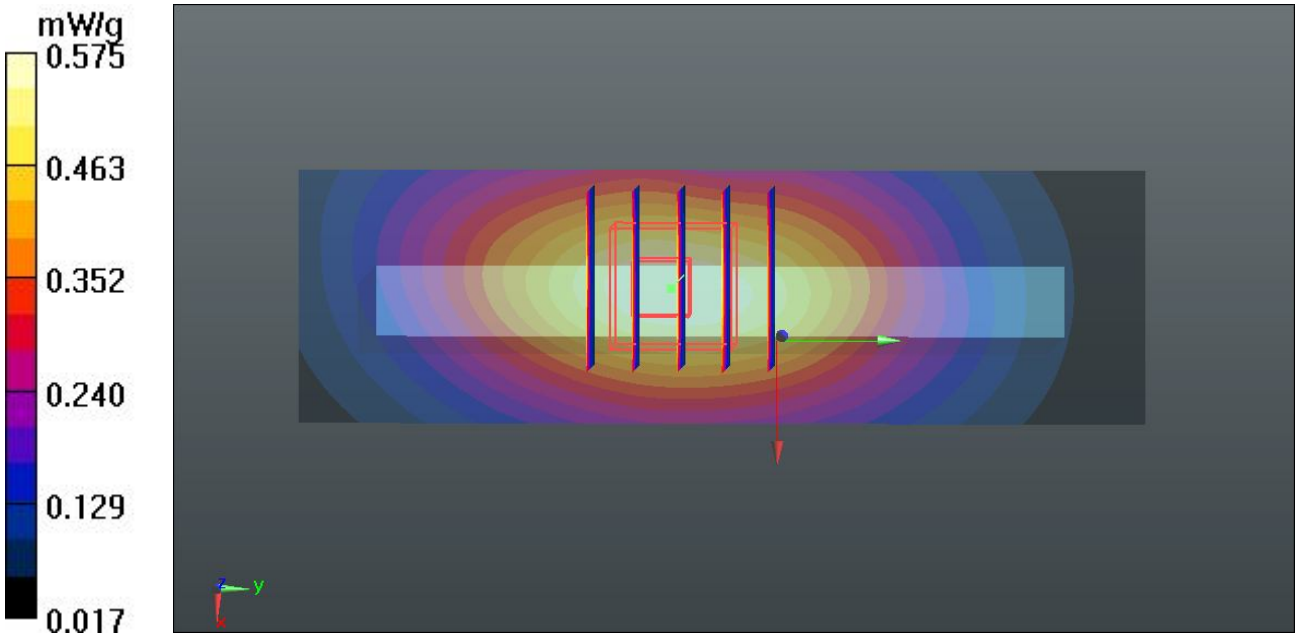
DUT: 222301

Communication System: CDMA2000; Frequency: 824.7 MHz;Duty Cycle: 1:1
Medium: MSL_835_120302 Medium parameters used: f = 825 MHz; σ = 0.966 mho/m; ε_r = 54.431; ρ = 1000 kg/m^3
Ambient Temperature：23.6 ℃; Liquid Temperature：21.6 ℃

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)

Ch1013/Area Scan (31x101x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.575 mW/g

Ch1013/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 24.097 V/m; Power Drift = -0.06 dB
Peak SAR (extrapolated) = 0.8280
SAR(1 g) = 0.541 mW/g; SAR(10 g) = 0.370 mW/g
Maximum value of SAR (measured) = 0.583 mW/g



34 CDMA2000 BC0_RTAP 153.6_Right Side_1.0cm_Ch1013

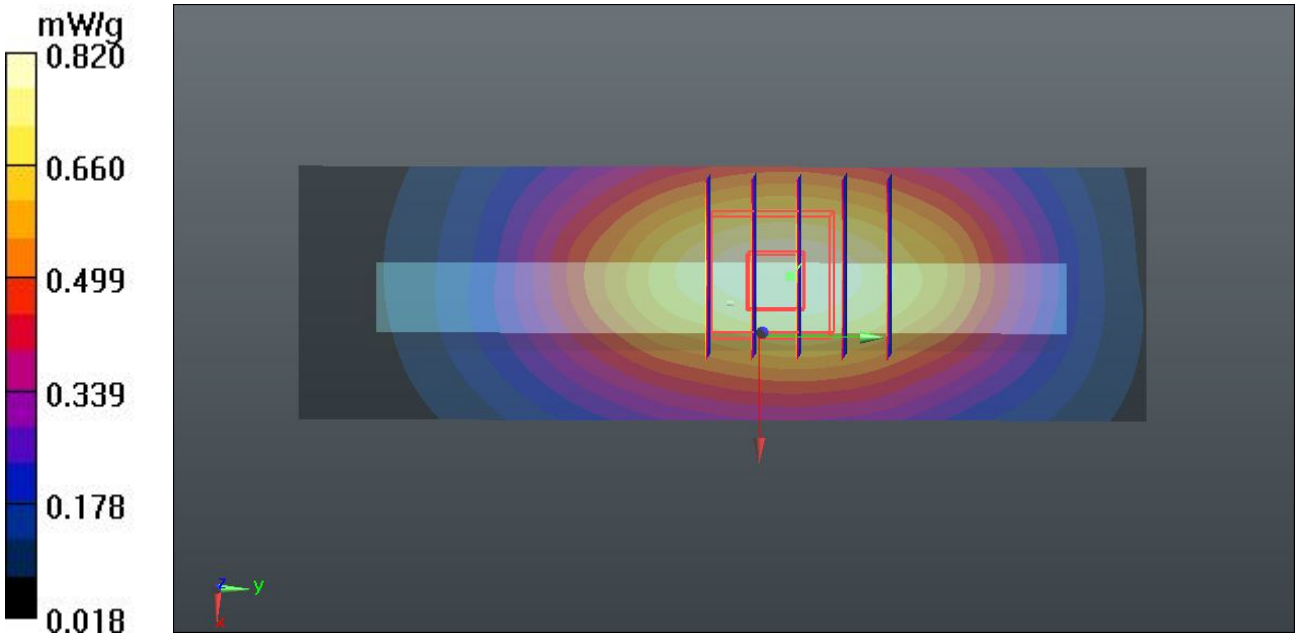
DUT: 222301

Communication System: CDMA2000; Frequency: 824.7 MHz;Duty Cycle: 1:1
Medium: MSL_835_120302 Medium parameters used: f = 825 MHz; σ = 0.966 mho/m; ε_r = 54.431; ρ = 1000 kg/m^3
Ambient Temperature：23.6 ℃; Liquid Temperature：21.6 ℃

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)

Ch1013/Area Scan (31x101x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.820 mW/g

Ch1013/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 28.124 V/m; Power Drift = 0.02 dB
Peak SAR (extrapolated) = 1.1480
SAR(1 g) = 0.782 mW/g; SAR(10 g) = 0.540 mW/g
Maximum value of SAR (measured) = 0.831 mW/g



35 CDMA2000 BC0_RTAP 153.6_Top Side_1.0cm_Ch1013

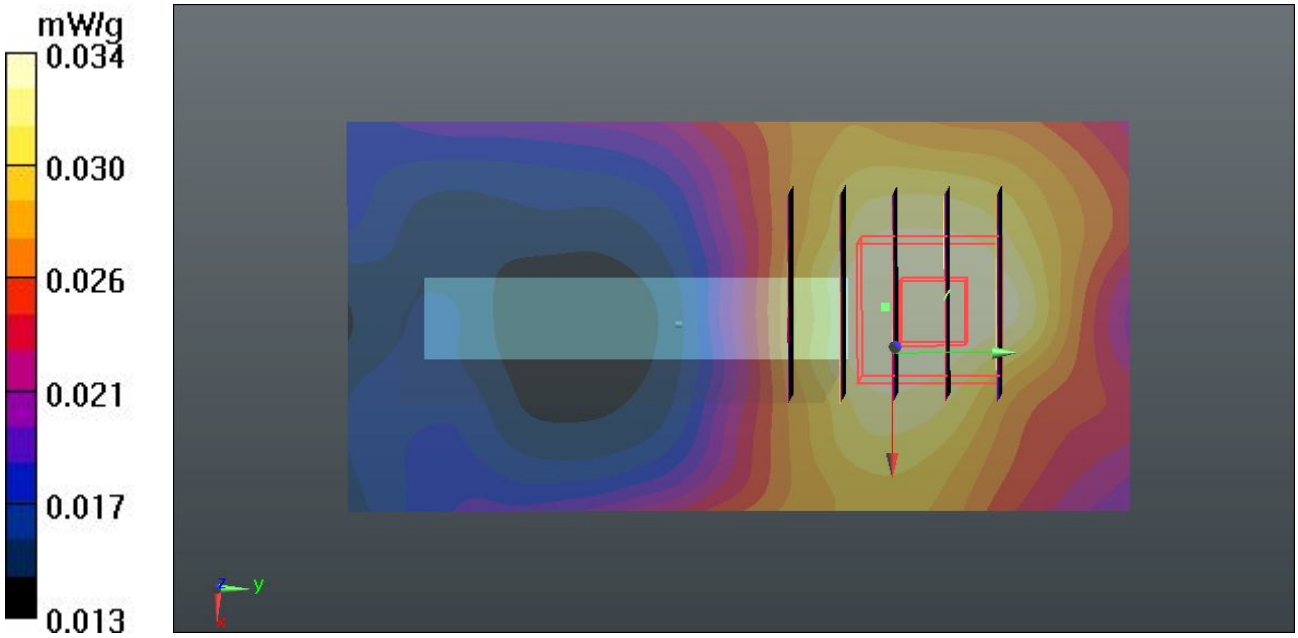
DUT: 222301

Communication System: CDMA2000; Frequency: 824.7 MHz;Duty Cycle: 1:1
Medium: MSL_835_120302 Medium parameters used: f = 825 MHz; σ = 0.966 mho/m; ε_r = 54.431; ρ = 1000 kg/m^3
Ambient Temperature：23.6 ℃； Liquid Temperature：21.6 ℃

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)

Ch1013/Area Scan (41x81x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.034 mW/g

Ch1013/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 5.818 V/m; Power Drift = 0.07 dB
Peak SAR (extrapolated) = 0.0450
SAR(1 g) = 0.033 mW/g; SAR(10 g) = 0.024 mW/g
Maximum value of SAR (measured) = 0.035 mW/g



36 CDMA2000 BC0_RTAP 153.6_Bottom Side_1.0cm_Ch1013

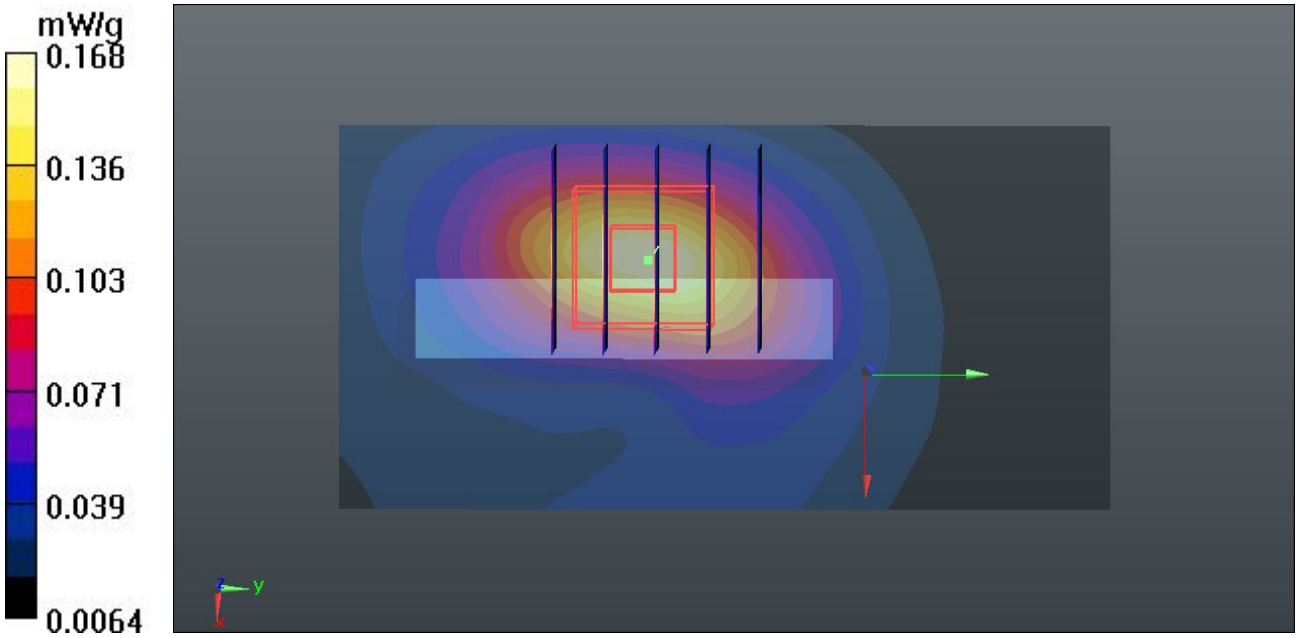
DUT: 222301

Communication System: CDMA2000; Frequency: 824.7 MHz;Duty Cycle: 1:1
Medium: MSL_835_120302 Medium parameters used: f = 825 MHz; σ = 0.966 mho/m; ε_r = 54.431; ρ = 1000 kg/m^3
Ambient Temperature：23.6 ℃; Liquid Temperature：21.6 ℃

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)

Ch1013/Area Scan (41x81x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.168 mW/g

Ch1013/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 7.313 V/m; Power Drift = -0.07 dB
Peak SAR (extrapolated) = 0.2830
SAR(1 g) = 0.156 mW/g; SAR(10 g) = 0.088 mW/g
Maximum value of SAR (measured) = 0.168 mW/g



37 CDMA2000 BC0_RTAP 153.6_Back_1.0cm_Ch384

DUT: 222301

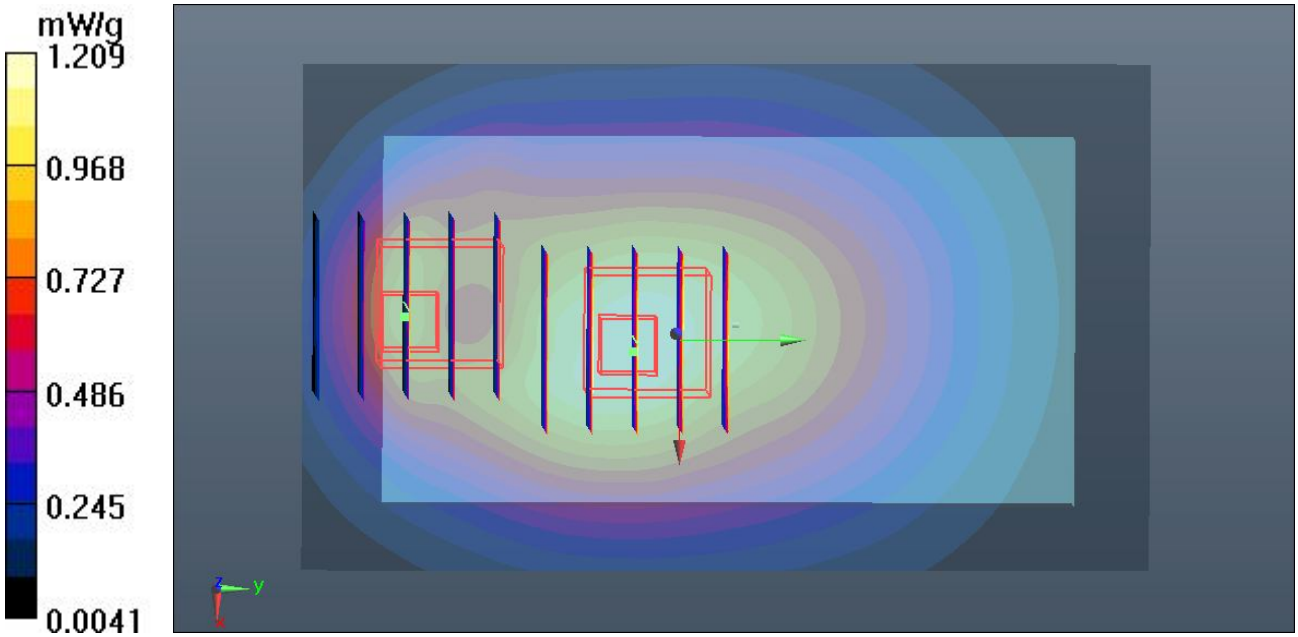
Communication System: CDMA2000; Frequency: 836.52 MHz;Duty Cycle: 1:1
Medium: MSL_835_120302 Medium parameters used: f = 837 MHz; σ = 0.978 mho/m; ε_r = 54.343; ρ = 1000 kg/m^3
Ambient Temperature：23.6 ℃； Liquid Temperature：21.6 ℃

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)

Ch384/Area Scan (61x101x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 1.209 mW/g

Ch384/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 32.983 V/m; Power Drift = 0.08 dB
Peak SAR (extrapolated) = 1.5140
SAR(1 g) = 1.15 mW/g; SAR(10 g) = 0.836 mW/g
Maximum value of SAR (measured) = 1.216 mW/g

Ch384/Zoom Scan (5x5x7)/Cube 1: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 32.983 V/m; Power Drift = 0.08 dB
Peak SAR (extrapolated) = 1.4830
SAR(1 g) = 0.842 mW/g; SAR(10 g) = 0.522 mW/g
Maximum value of SAR (measured) = 0.946 mW/g



38 CDMA2000 BC0_RTAP 153.6_Back_1.0cm_Ch777

DUT: 222301

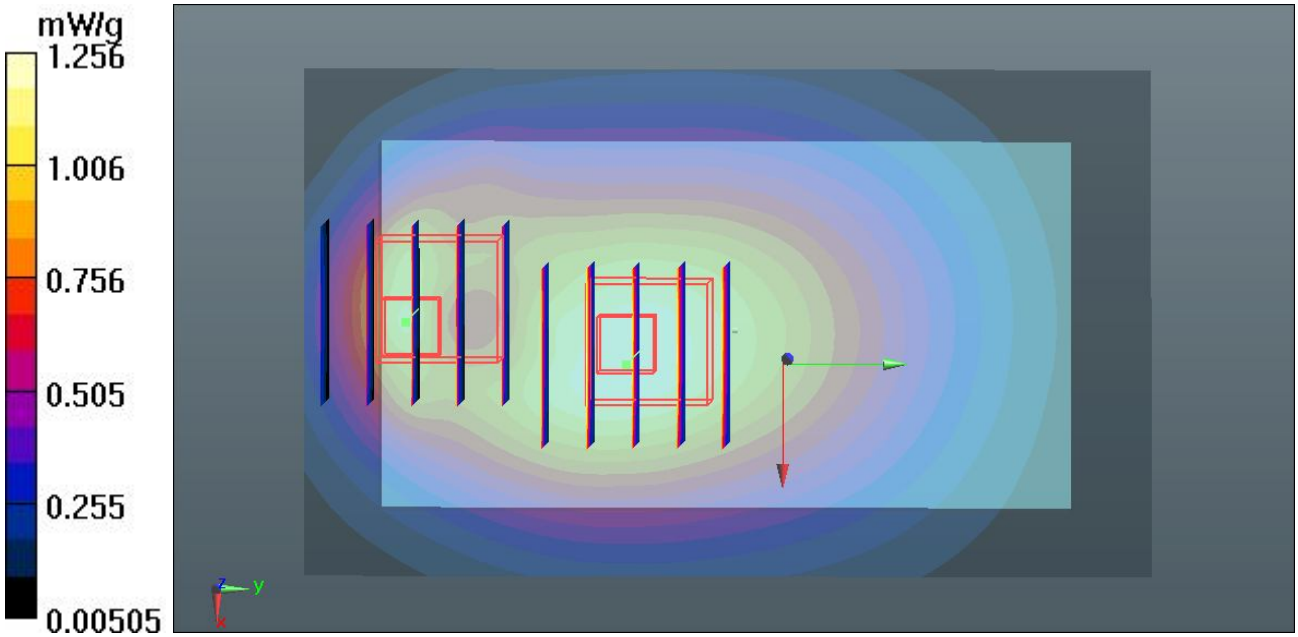
Communication System: CDMA2000; Frequency: 848.31 MHz;Duty Cycle: 1:1
Medium: MSL_835_120302 Medium parameters used: f = 848.31 MHz; σ = 0.988 mho/m; ε_r = 54.245; ρ = 1000 kg/m^3
Ambient Temperature：23.6 ℃； Liquid Temperature：21.6 ℃

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)

Ch777/Area Scan (61x101x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 1.256 mW/g

Ch777/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 33.025 V/m; Power Drift = 0.05 dB
Peak SAR (extrapolated) = 1.5570
SAR(1 g) = 1.19 mW/g; SAR(10 g) = 0.863 mW/g
Maximum value of SAR (measured) = 1.248 mW/g

Ch777/Zoom Scan (5x5x7)/Cube 1: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 33.025 V/m; Power Drift = 0.05 dB
Peak SAR (extrapolated) = 1.7730
SAR(1 g) = 0.964 mW/g; SAR(10 g) = 0.577 mW/g
Maximum value of SAR (measured) = 1.097 mW/g



39 CDMA2000 BC0_RC3 SO32_Front_1.0cm_Ch1013_Earphone

DUT: 222301

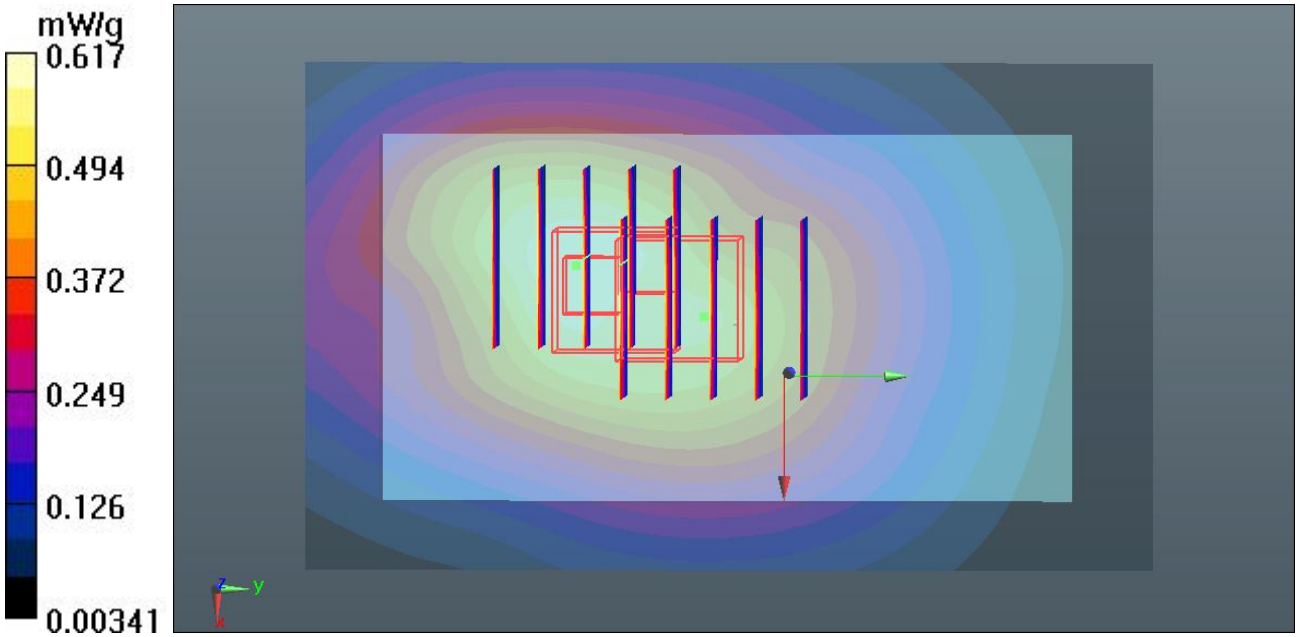
Communication System: CDMA2000; Frequency: 824.7 MHz;Duty Cycle: 1:1
Medium: MSL_835_120302 Medium parameters used: f = 825 MHz; σ = 0.966 mho/m; ε_r = 54.431; ρ = 1000 kg/m^3
Ambient Temperature：23.6 ℃; Liquid Temperature：21.6 ℃

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)

Ch1013/Area Scan (61x101x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.617 mW/g

Ch1013/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 23.338 V/m; Power Drift = -0.02 dB
Peak SAR (extrapolated) = 0.8620
SAR(1 g) = 0.588 mW/g; SAR(10 g) = 0.435 mW/g
Maximum value of SAR (measured) = 0.615 mW/g

Ch1013/Zoom Scan (5x5x7)/Cube 1: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 23.338 V/m; Power Drift = -0.02 dB
Peak SAR (extrapolated) = 0.8870
SAR(1 g) = 0.556 mW/g; SAR(10 g) = 0.416 mW/g
Maximum value of SAR (measured) = 0.612 mW/g



40 CDMA2000 BC0_RC3 SO32_Back_1.0cm_Ch1013_Earphone

DUT: 222301

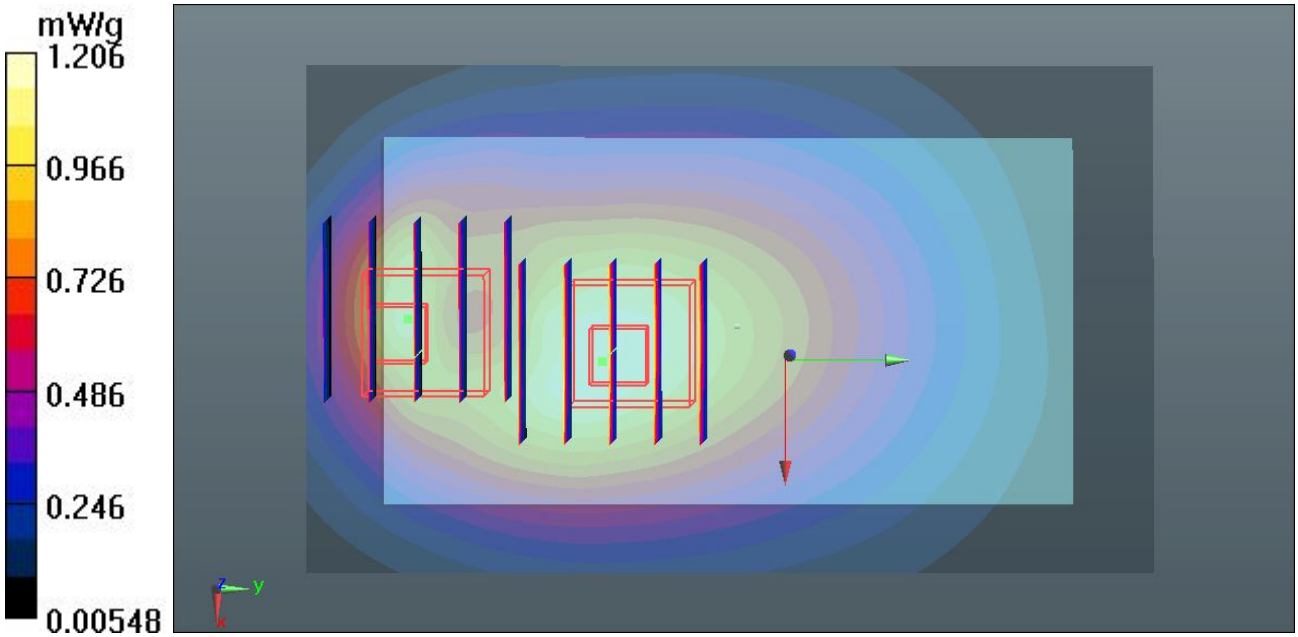
Communication System: CDMA2000; Frequency: 824.7 MHz;Duty Cycle: 1:1
Medium: MSL_835_120302 Medium parameters used: f = 825 MHz; σ = 0.966 mho/m; ε_r = 54.431; ρ = 1000 kg/m^3
Ambient Temperature：23.6 ℃； Liquid Temperature：21.6 ℃

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)

Ch1013/Area Scan (61x101x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 1.206 mW/g

Ch1013/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 31.078 V/m; Power Drift = 0.10 dB
Peak SAR (extrapolated) = 1.4970
SAR(1 g) = 1.13 mW/g; SAR(10 g) = 0.811 mW/g
Maximum value of SAR (measured) = 1.210 mW/g

Ch1013/Zoom Scan (5x5x7)/Cube 1: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 31.078 V/m; Power Drift = 0.10 dB
Peak SAR (extrapolated) = 1.7060
SAR(1 g) = 0.940 mW/g; SAR(10 g) = 0.558 mW/g
Maximum value of SAR (measured) = 1.018 mW/g



41 CDMA2000 BC0_RC3 SO32_Back_1.0cm_Ch384_Earphone

DUT: 222301

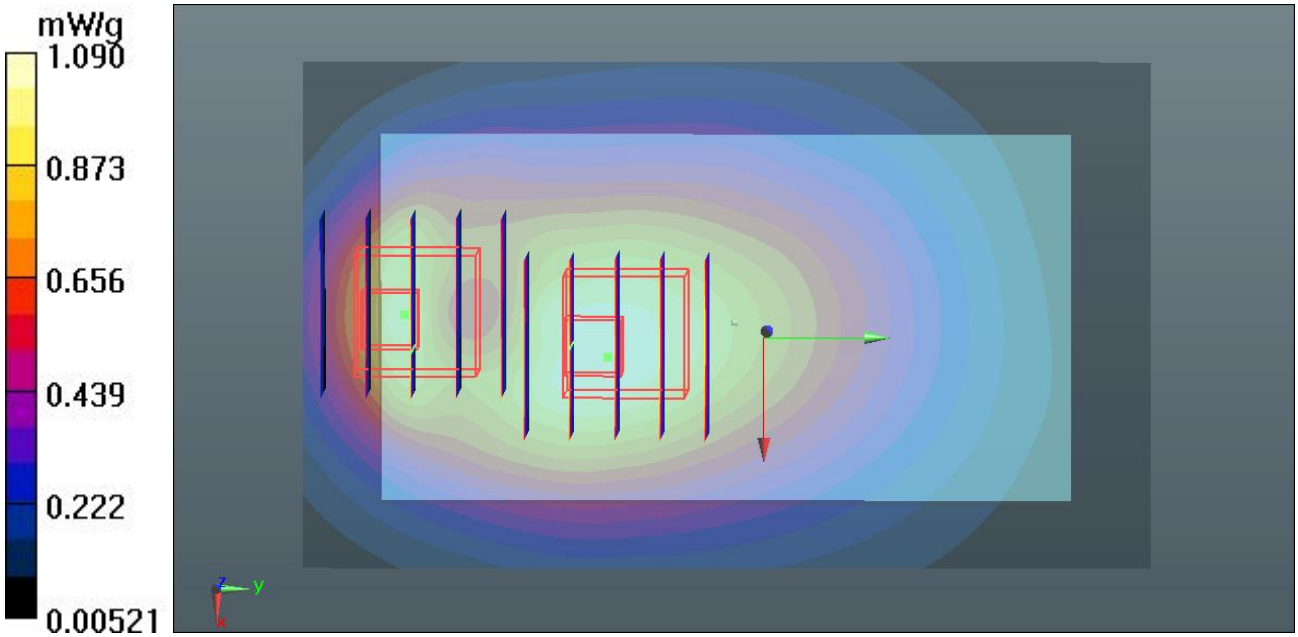
Communication System: CDMA2000; Frequency: 836.52 MHz;Duty Cycle: 1:1
Medium: MSL_835_120302 Medium parameters used: f = 837 MHz; σ = 0.978 mho/m; ε_r = 54.343; ρ = 1000 kg/m^3
Ambient Temperature：23.6 ℃; Liquid Temperature：21.6 ℃

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)

Ch384/Area Scan (61x101x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 1.090 mW/g

Ch384/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 30.120 V/m; Power Drift = 0.05 dB
Peak SAR (extrapolated) = 1.3890
SAR(1 g) = 1.02 mW/g; SAR(10 g) = 0.746 mW/g
Maximum value of SAR (measured) = 1.070 mW/g

Ch384/Zoom Scan (5x5x7)/Cube 1: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 30.120 V/m; Power Drift = 0.05 dB
Peak SAR (extrapolated) = 1.4670
SAR(1 g) = 0.845 mW/g; SAR(10 g) = 0.503 mW/g
Maximum value of SAR (measured) = 0.914 mW/g



42 CDMA2000 BC0_RC3 SO32_Back_1.0cm_Ch777_Earphone

DUT: 222301

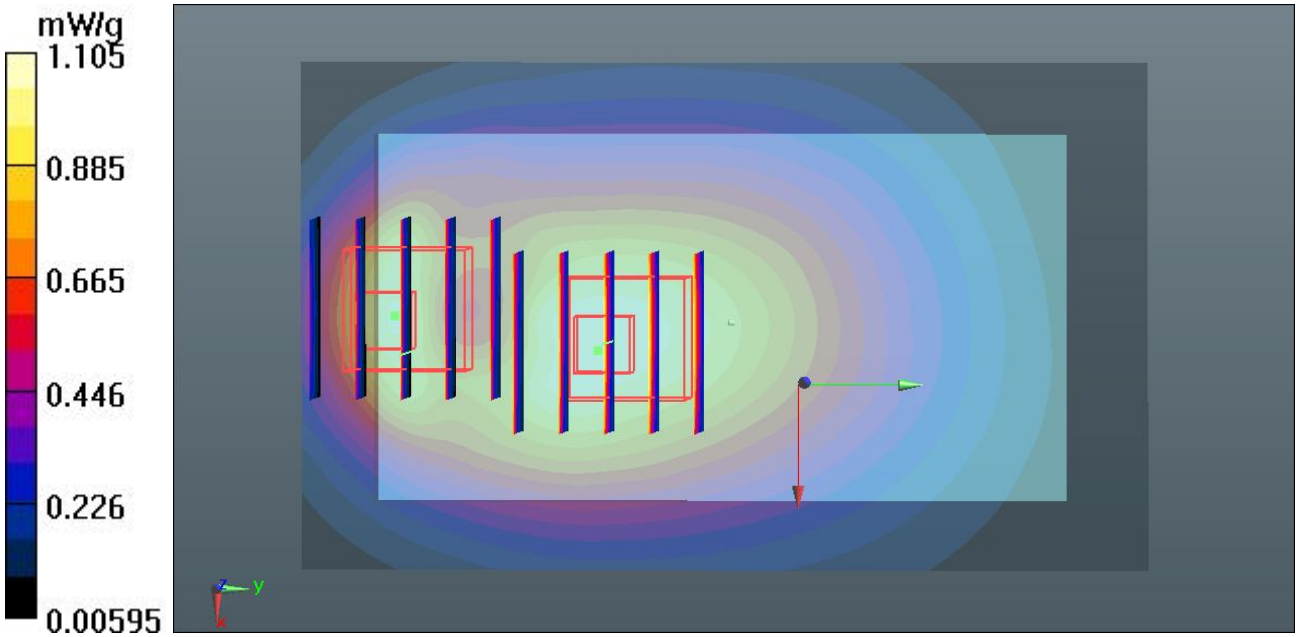
Communication System: CDMA2000; Frequency: 848.31 MHz;Duty Cycle: 1:1
Medium: MSL_835_120302 Medium parameters used: f = 848.31 MHz; σ = 0.988 mho/m; ε_r = 54.245; ρ = 1000 kg/m^3
Ambient Temperature：23.6 ℃; Liquid Temperature：21.6 ℃

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)

Ch777/Area Scan (61x101x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 1.105 mW/g

Ch777/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 30.481 V/m; Power Drift = 0.02 dB
Peak SAR (extrapolated) = 1.4030
SAR(1 g) = 1.06 mW/g; SAR(10 g) = 0.766 mW/g
Maximum value of SAR (measured) = 1.122 mW/g

Ch777/Zoom Scan (5x5x7)/Cube 1: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 30.481 V/m; Power Drift = 0.02 dB
Peak SAR (extrapolated) = 1.6830
SAR(1 g) = 0.923 mW/g; SAR(10 g) = 0.532 mW/g
Maximum value of SAR (measured) = 1.000 mW/g



17 CDMA2000 BC15_RTAP 153.6_Front_1.0cm_Ch425

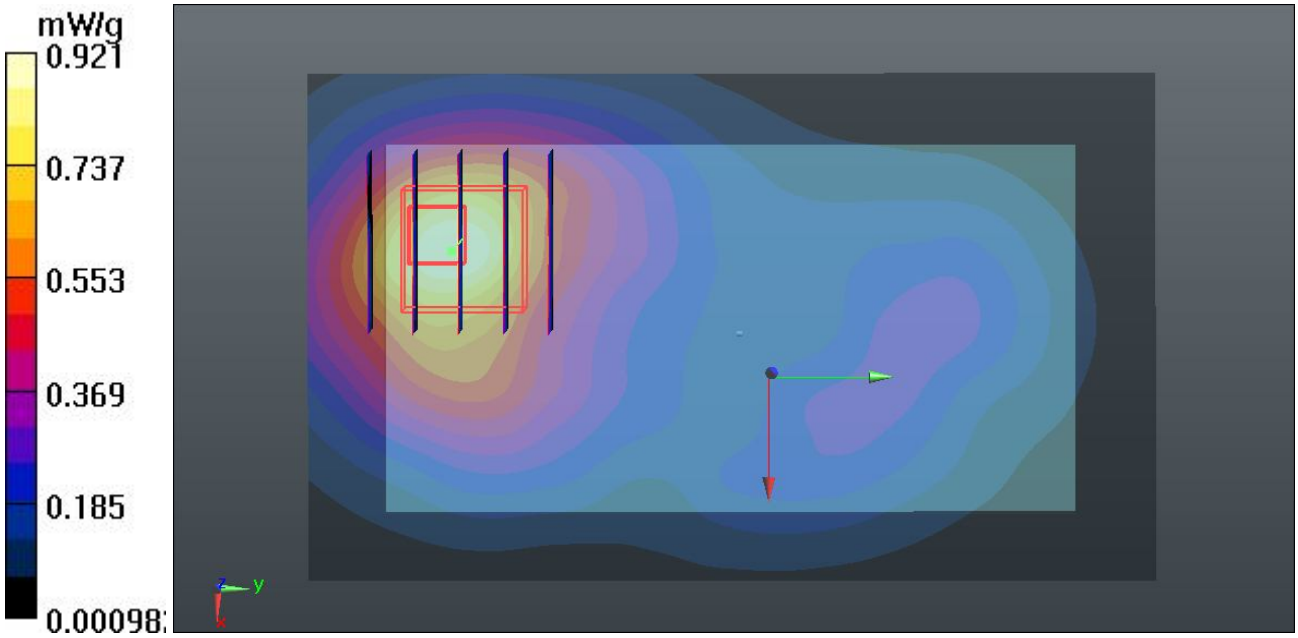
DUT: 222301

Communication System: CDMA2000; Frequency: 1731.25 MHz;Duty Cycle: 1:1
Medium: MSL_1800_120302 Medium parameters used: f = 1731.25 MHz; σ = 1.495 mho/m; ε_r = 55.279; ρ = 1000 kg/m^3
Ambient Temperature：23.3 ℃; Liquid Temperature：21.7 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3819; ConvF(8, 8, 8); 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)

Ch425/Area Scan (61x101x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.921 mW/g

Ch425/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 11.049 V/m; Power Drift = -0.07 dB
Peak SAR (extrapolated) = 1.4920
SAR(1 g) = 0.780 mW/g; SAR(10 g) = 0.449 mW/g
Maximum value of SAR (measured) = 0.881 mW/g



18 CDMA2000 BC15_RTAP 153.6_Back_1.0cm_Ch425

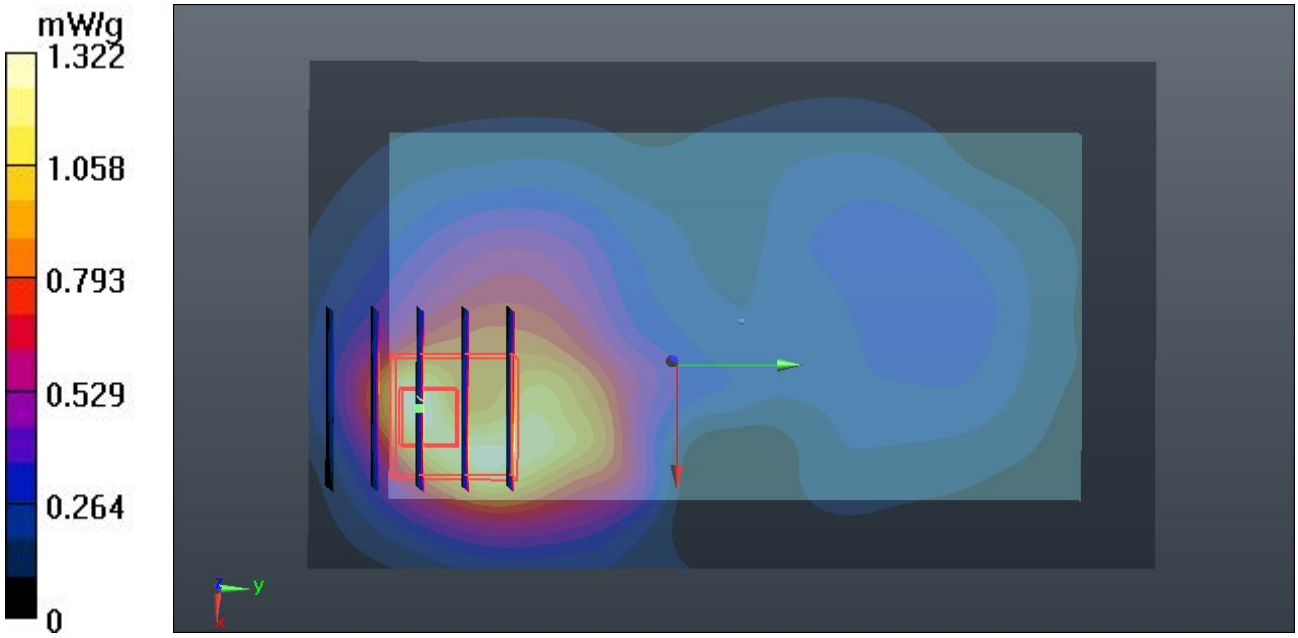
DUT: 222301

Communication System: CDMA2000; Frequency: 1731.25 MHz;Duty Cycle: 1:1
Medium: MSL_1800_120302 Medium parameters used: f = 1731.25 MHz; σ = 1.495 mho/m; ε_r = 55.279; ρ = 1000 kg/m^3
Ambient Temperature：23.3 ℃; Liquid Temperature：21.7 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3819; ConvF(8, 8, 8); 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)

Ch425/Area Scan (61x101x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 1.322 mW/g

Ch425/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 9.740 V/m; Power Drift = 0.07 dB
Peak SAR (extrapolated) = 2.4900
SAR(1 g) = 1.21 mW/g; SAR(10 g) = 0.712 mW/g
Maximum value of SAR (measured) = 1.362 mW/g



19 CDMA2000 BC15_RTAP 153.6_Left Side_1.0cm_Ch425

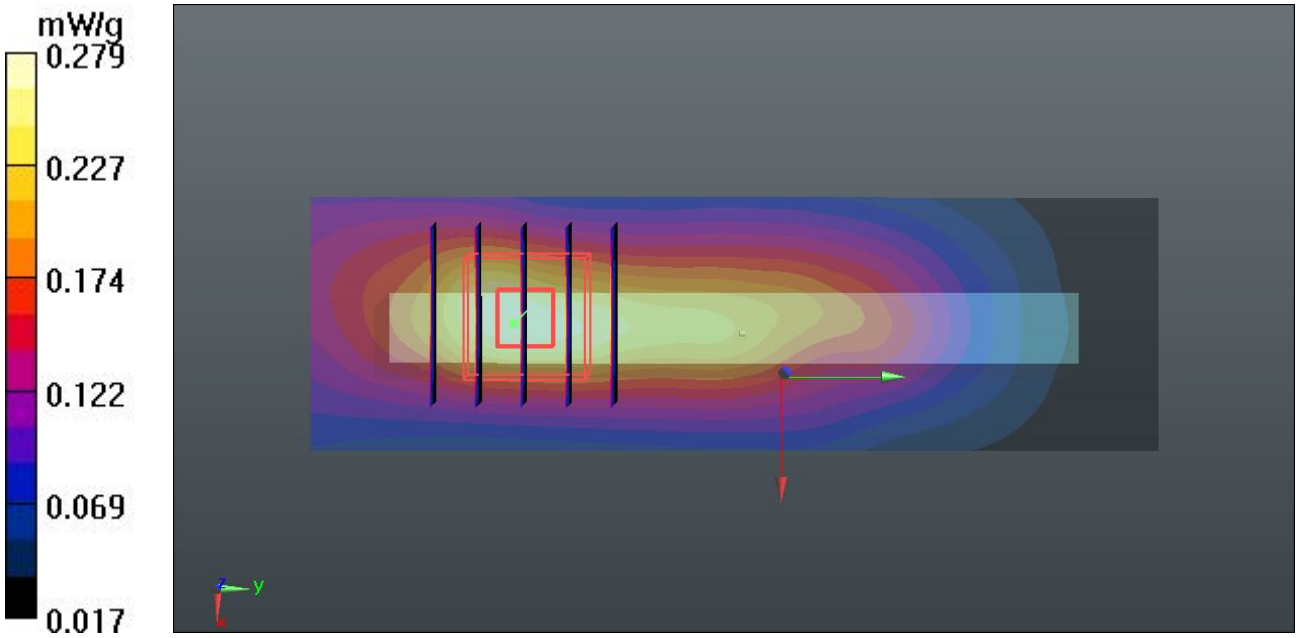
DUT: 222301

Communication System: CDMA2000; Frequency: 1731.25 MHz;Duty Cycle: 1:1
Medium: MSL_1800_120302 Medium parameters used: f = 1731.25 MHz; σ = 1.495 mho/m; ε_r = 55.279; ρ = 1000 kg/m^3
Ambient Temperature：23.3 ℃; Liquid Temperature：21.7 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3819; ConvF(8, 8, 8); 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)

Ch425/Area Scan (31x101x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.279 mW/g

Ch425/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 12.334 V/m; Power Drift = -0.02 dB
Peak SAR (extrapolated) = 0.4210
SAR(1 g) = 0.249 mW/g; SAR(10 g) = 0.148 mW/g
Maximum value of SAR (measured) = 0.276 mW/g



20 CDMA2000 BC15_RTAP 153.6_Right Side_1.0cm_Ch425

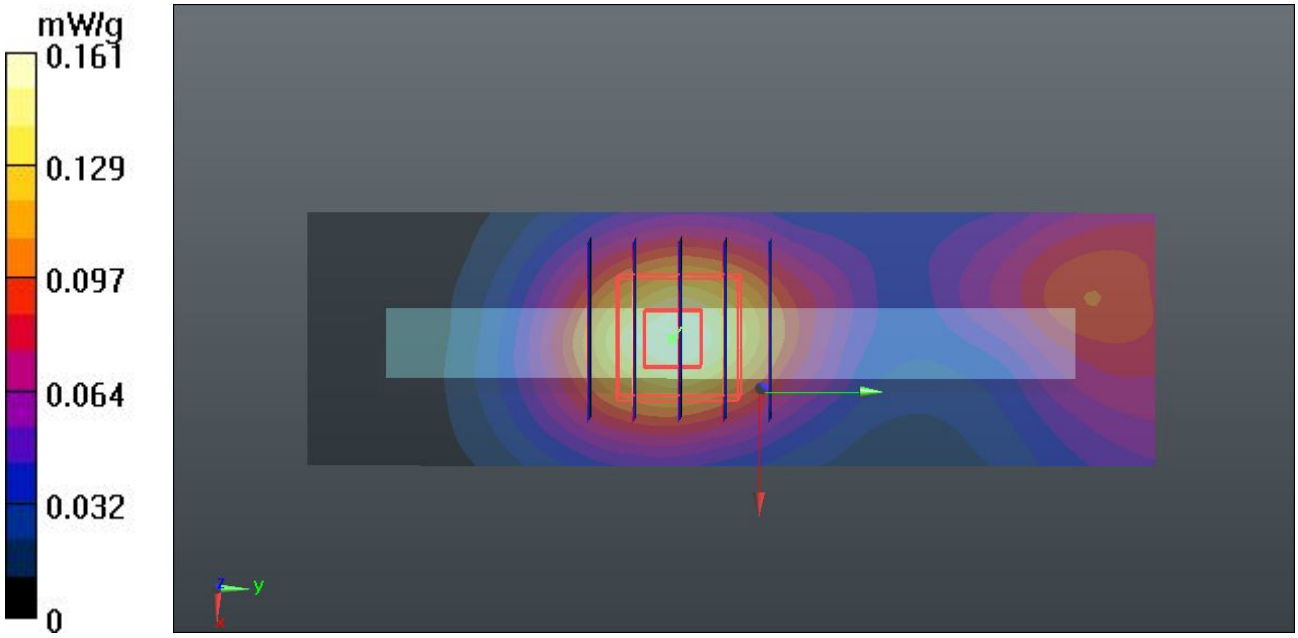
DUT: 222301

Communication System: CDMA2000; Frequency: 1731.25 MHz;Duty Cycle: 1:1
Medium: MSL_1800_120302 Medium parameters used: f = 1731.25 MHz; σ = 1.495 mho/m; ε_r = 55.279; ρ = 1000 kg/m^3
Ambient Temperature：23.3 ℃; Liquid Temperature：21.7 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3819; ConvF(8, 8, 8); 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)

Ch425/Area Scan (31x101x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.161 mW/g

Ch425/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 9.621 V/m; Power Drift = 0.02 dB
Peak SAR (extrapolated) = 0.2210
SAR(1 g) = 0.144 mW/g; SAR(10 g) = 0.087 mW/g
Maximum value of SAR (measured) = 0.156 mW/g



Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab Date: 02.03.2012

21 CDMA2000 BC15_RTAP 153.6_Top Side_1.0cm_Ch425

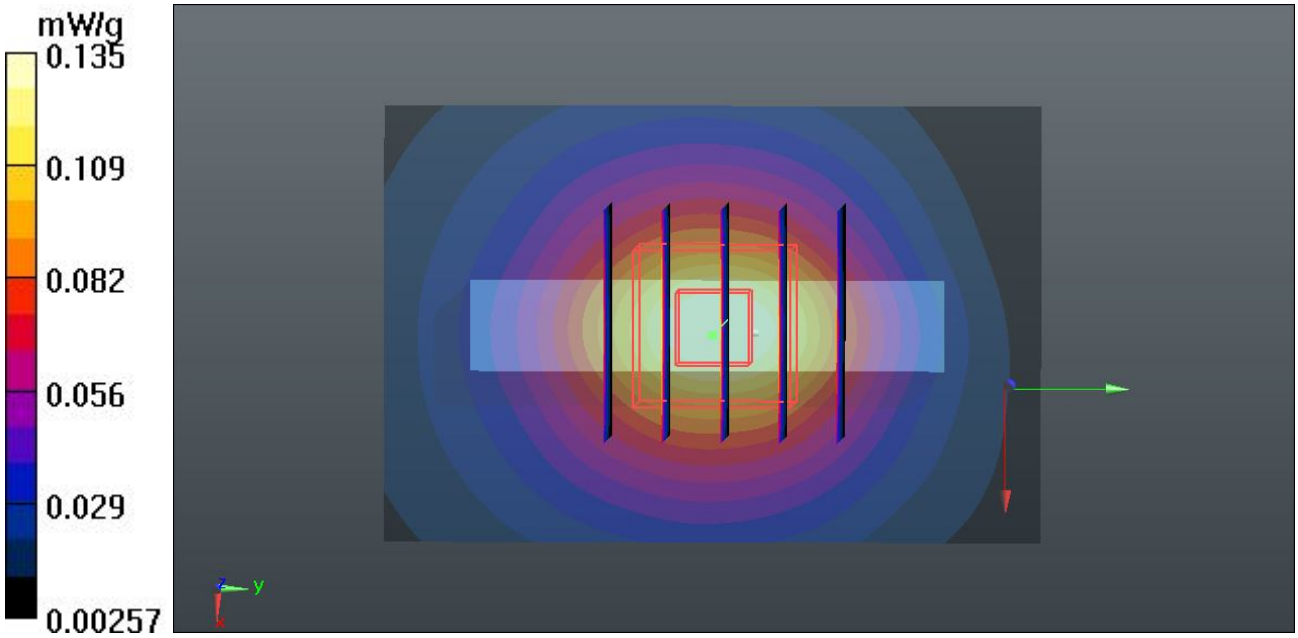
DUT: 222301

Communication System: CDMA2000; Frequency: 1731.25 MHz;Duty Cycle: 1:1
Medium: MSL_1800_120302 Medium parameters used: f = 1731.25 MHz; σ = 1.495 mho/m; ε_r = 55.279; ρ = 1000 kg/m^3
Ambient Temperature：23.3 ℃; Liquid Temperature：21.7 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3819; ConvF(8, 8, 8); 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)

Ch425/Area Scan (41x61x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.135 mW/g

Ch425/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 4.168 V/m; Power Drift = -0.03 dB
Peak SAR (extrapolated) = 0.2090
SAR(1 g) = 0.124 mW/g; SAR(10 g) = 0.075 mW/g
Maximum value of SAR (measured) = 0.135 mW/g



22 CDMA2000 BC15_RTAP 153.6_Bottom Side_1.0cm_Ch425

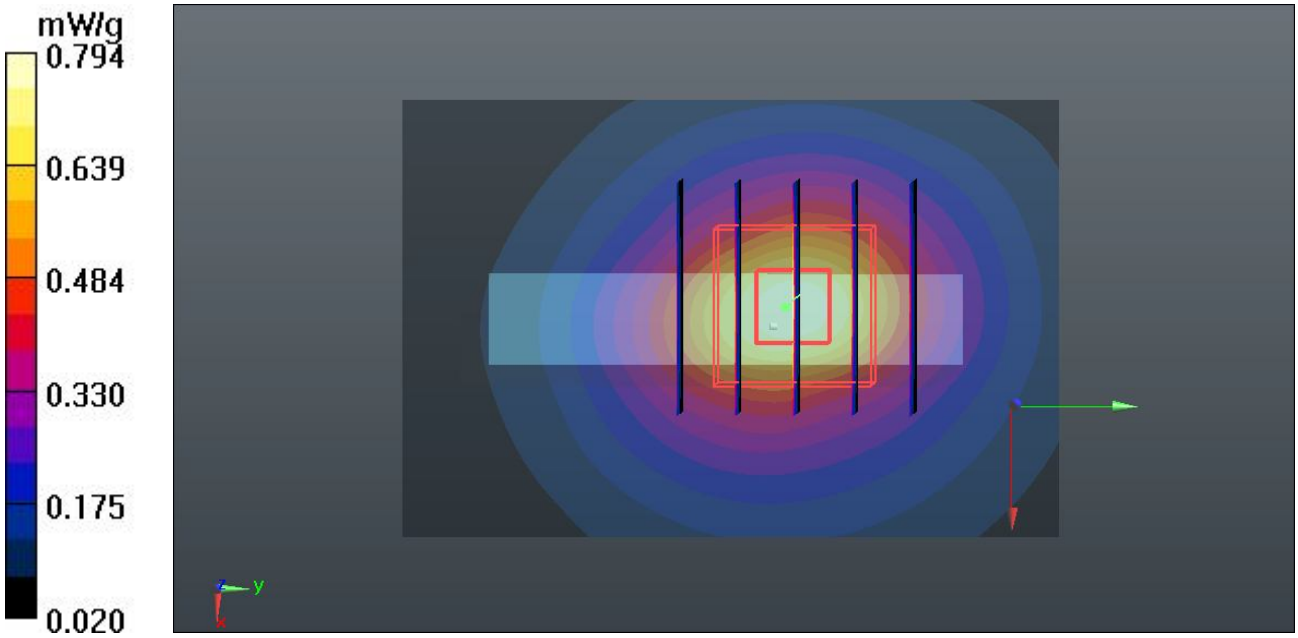
DUT: 222301

Communication System: CDMA2000; Frequency: 1731.25 MHz;Duty Cycle: 1:1
Medium: MSL_1800_120302 Medium parameters used: f = 1731.25 MHz; σ = 1.495 mho/m; ε_r = 55.279; ρ = 1000 kg/m^3
Ambient Temperature：23.3 ℃; Liquid Temperature：21.7 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3819; ConvF(8, 8, 8); 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)

Ch425/Area Scan (41x61x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.794 mW/g

Ch425/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 13.426 V/m; Power Drift = -0.09 dB
Peak SAR (extrapolated) = 1.1670
SAR(1 g) = 0.715 mW/g; SAR(10 g) = 0.407 mW/g
Maximum value of SAR (measured) = 0.794 mW/g



23 CDMA2000 BC15_RTAP 153.6_Back_1.0cm_Ch25

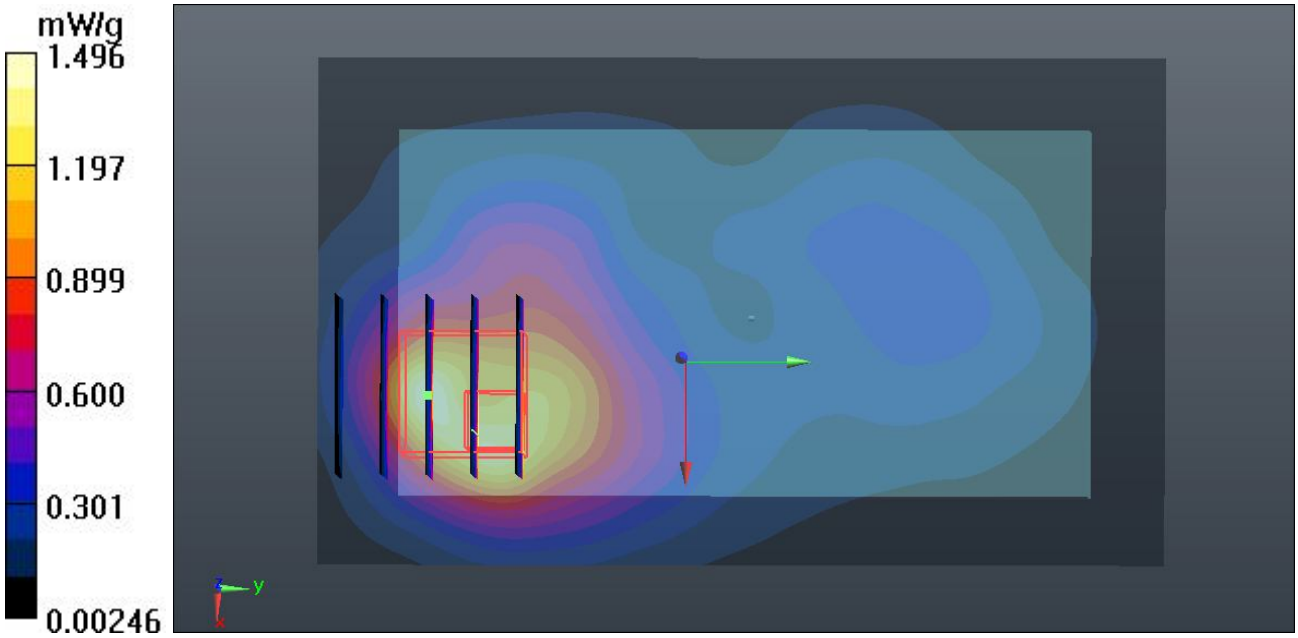
DUT: 222301

Communication System: CDMA2000; Frequency: 1711.25 MHz;Duty Cycle: 1:1
Medium: MSL_1800_120302 Medium parameters used: f = 1711.25 MHz; σ = 1.473 mho/m; ε_r = 55.32; ρ = 1000 kg/m^3
Ambient Temperature：23.3 ℃; Liquid Temperature：21.7 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3819; ConvF(8, 8, 8); 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)

Ch25/Area Scan (61x101x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 1.496 mW/g

Ch25/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 12.540 V/m; Power Drift = -0.10 dB
Peak SAR (extrapolated) = 3.3050
SAR(1 g) = 1.24 mW/g; SAR(10 g) = 0.640 mW/g
Maximum value of SAR (measured) = 1.517 mW/g



24 CDMA2000 BC15_RTAP 153.6_Back_1.0cm_Ch875

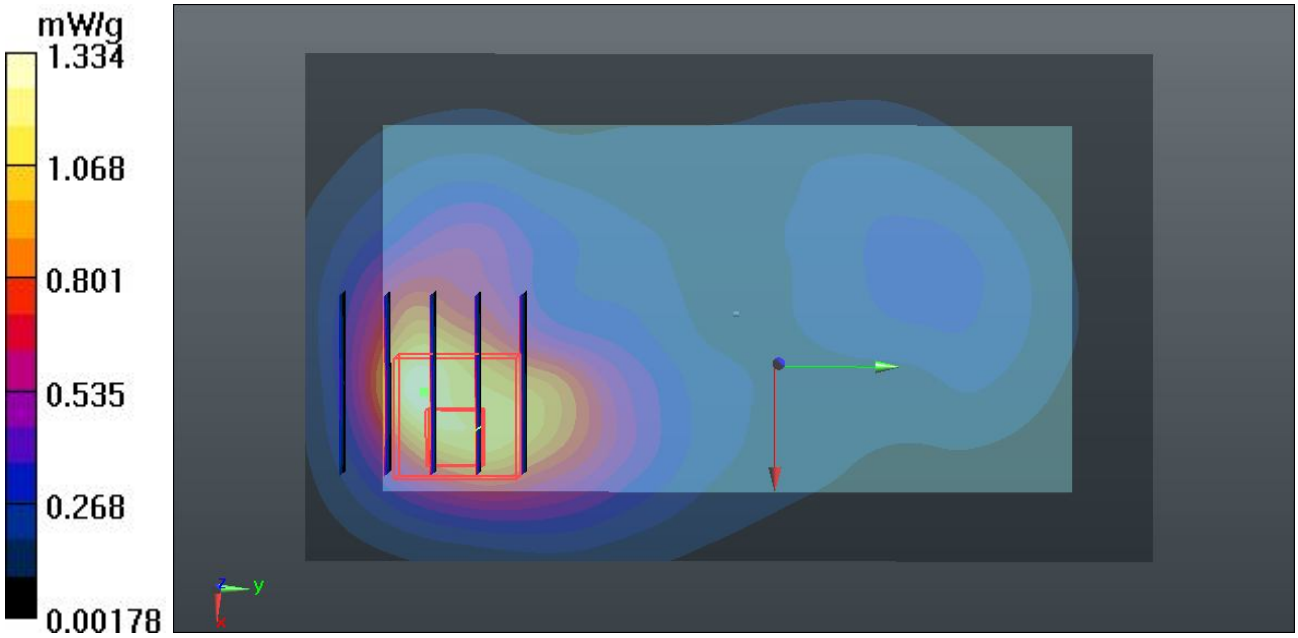
DUT: 222301

Communication System: CDMA2000; Frequency: 1753.75 MHz;Duty Cycle: 1:1
Medium: MSL_1800_120302 Medium parameters used: f = 1754 MHz; σ = 1.52 mho/m; ε_r = 55.241; ρ = 1000 kg/m^3
Ambient Temperature：23.3 ℃; Liquid Temperature：21.7 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3819; ConvF(8, 8, 8); 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)

Ch875/Area Scan (61x101x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 1.334 mW/g

Ch875/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 9.736 V/m; Power Drift = -0.09 dB
Peak SAR (extrapolated) = 1.9270
SAR(1 g) = 1.16 mW/g; SAR(10 g) = 0.675 mW/g
Maximum value of SAR (measured) = 1.254 mW/g



Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab Date: 02.03.2012

25 CDMA2000 BC15_RC3 SO32_Front_1.0cm_Ch25_Earphone

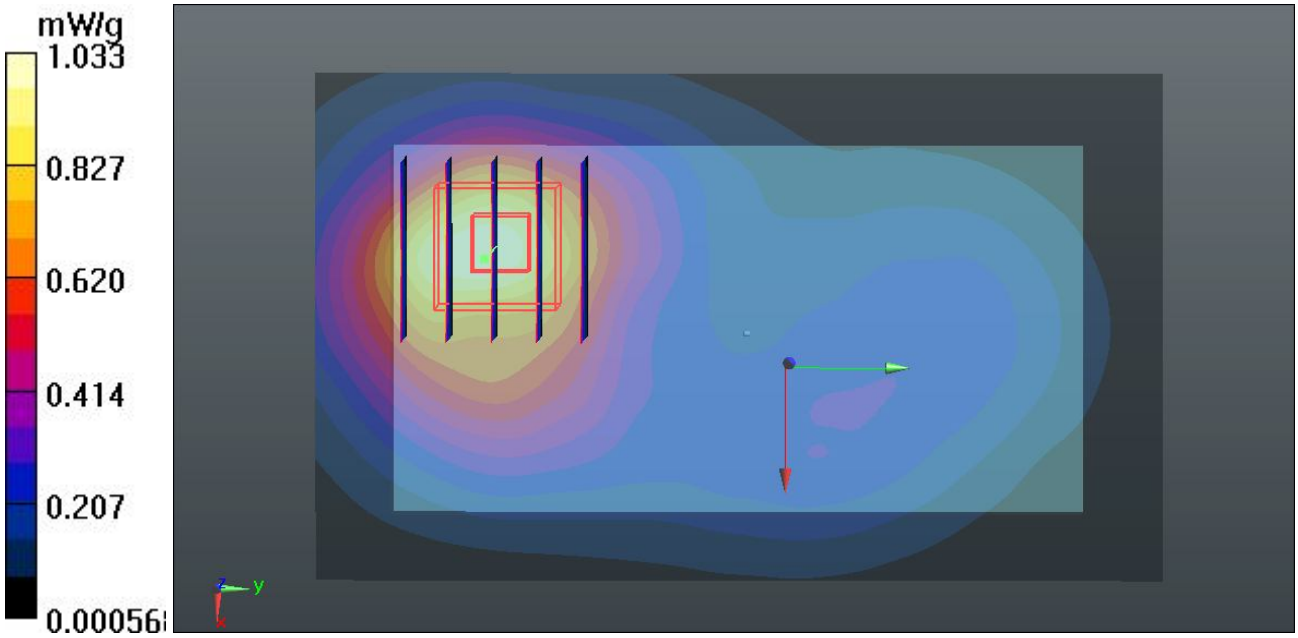
DUT: 222301

Communication System: CDMA2000; Frequency: 1711.25 MHz;Duty Cycle: 1:1
Medium: MSL_1800_120302 Medium parameters used: f = 1711.25 MHz; σ = 1.473 mho/m; ε_r = 55.32; ρ = 1000 kg/m^3
Ambient Temperature：23.3 ℃; Liquid Temperature：21.7 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3819; ConvF(8, 8, 8); 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)

Ch25/Area Scan (61x101x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 1.033 mW/g

Ch25/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 11.769 V/m; Power Drift = -0.06 dB
Peak SAR (extrapolated) = 1.4680
SAR(1 g) = 0.913 mW/g; SAR(10 g) = 0.553 mW/g
Maximum value of SAR (measured) = 0.997 mW/g



26 CDMA2000 BC15_RC3 SO32_Back_1.0cm_Ch25_Earphone

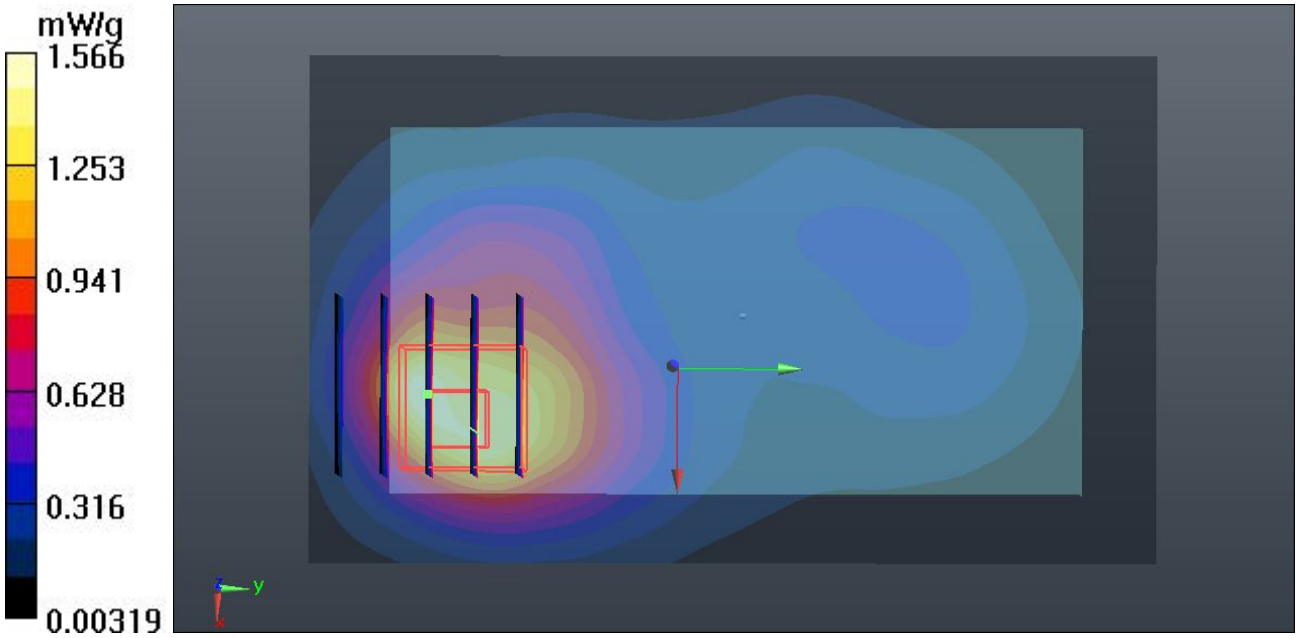
DUT: 222301

Communication System: CDMA2000; Frequency: 1711.25 MHz;Duty Cycle: 1:1
Medium: MSL_1800_120302 Medium parameters used: f = 1711.25 MHz; σ = 1.473 mho/m; ε_r = 55.32; ρ = 1000 kg/m^3
Ambient Temperature：23.3 ℃; Liquid Temperature：21.7 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3819; ConvF(8, 8, 8); 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)

Ch25/Area Scan (61x101x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 1.566 mW/g

Ch25/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 12.369 V/m; Power Drift = 0.02 dB
Peak SAR (extrapolated) = 2.3020
SAR(1 g) = 1.41 mW/g; SAR(10 g) = 0.831 mW/g
Maximum value of SAR (measured) = 1.538 mW/g



26 CDMA2000 BC15_RC3 SO32_Back_1.0cm_Ch25_Earphone_2D

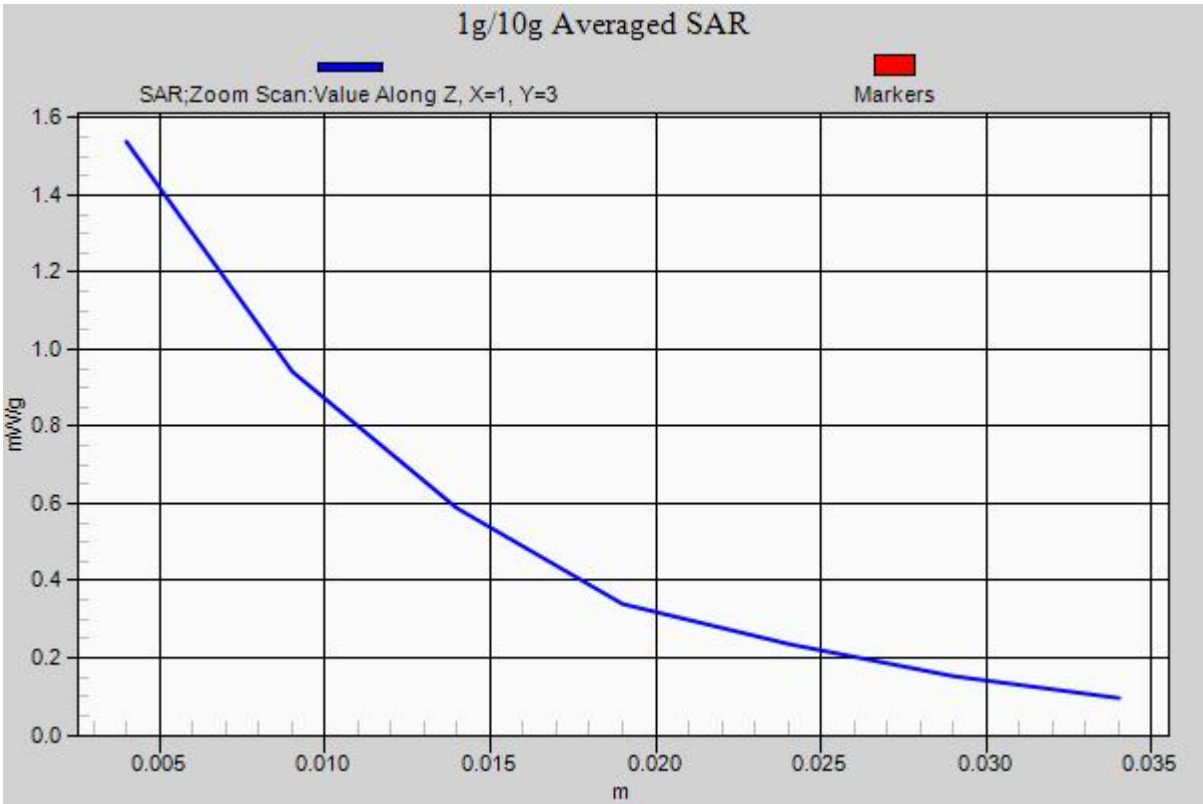
DUT: 222301

Communication System: CDMA2000; Frequency: 1711.25 MHz;Duty Cycle: 1:1
Medium: MSL_1800_120302 Medium parameters used: f = 1711.25 MHz; σ = 1.473 mho/m; ε_r = 55.32; ρ = 1000 kg/m^3
Ambient Temperature：23.3 ℃; Liquid Temperature：21.7 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3819; ConvF(8, 8, 8); 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)

Ch25/Area Scan (61x101x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 1.566 mW/g

Ch25/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 12.369 V/m; Power Drift = 0.02 dB
Peak SAR (extrapolated) = 2.3020
SAR(1 g) = 1.41 mW/g; SAR(10 g) = 0.831 mW/g
Maximum value of SAR (measured) = 1.538 mW/g



27 CDMA2000 BC15_RC3 SO32_Front_1.0cm_Ch425_Earphone

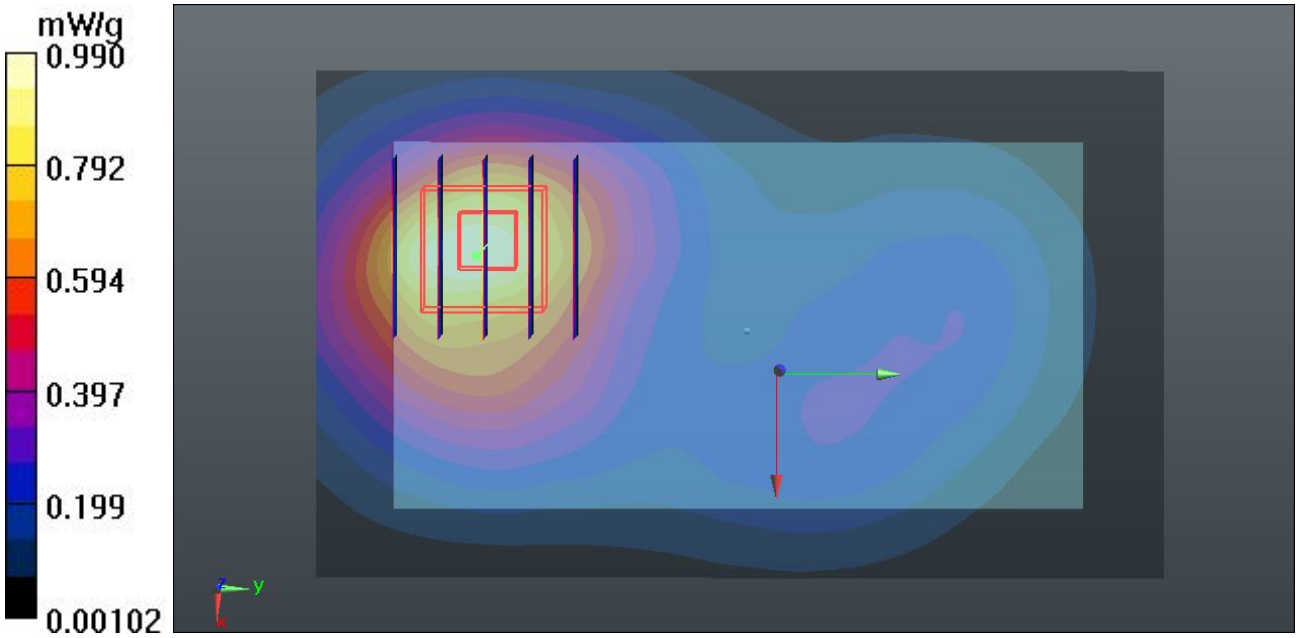
DUT: 222301

Communication System: CDMA2000; Frequency: 1731.25 MHz;Duty Cycle: 1:1
Medium: MSL_1800_120302 Medium parameters used: f = 1731.25 MHz; σ = 1.495 mho/m; ε_r = 55.279; ρ = 1000 kg/m^3
Ambient Temperature：23.3 ℃; Liquid Temperature：21.7 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3819; ConvF(8, 8, 8); 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)

Ch425/Area Scan (61x101x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.990 mW/g

Ch425/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 11.180 V/m; Power Drift = -0.12 dB
Peak SAR (extrapolated) = 1.3940
SAR(1 g) = 0.879 mW/g; SAR(10 g) = 0.536 mW/g
Maximum value of SAR (measured) = 0.956 mW/g



28 CDMA2000 BC15_RC3 SO32_Front_1.0cm_Ch875_Earphone

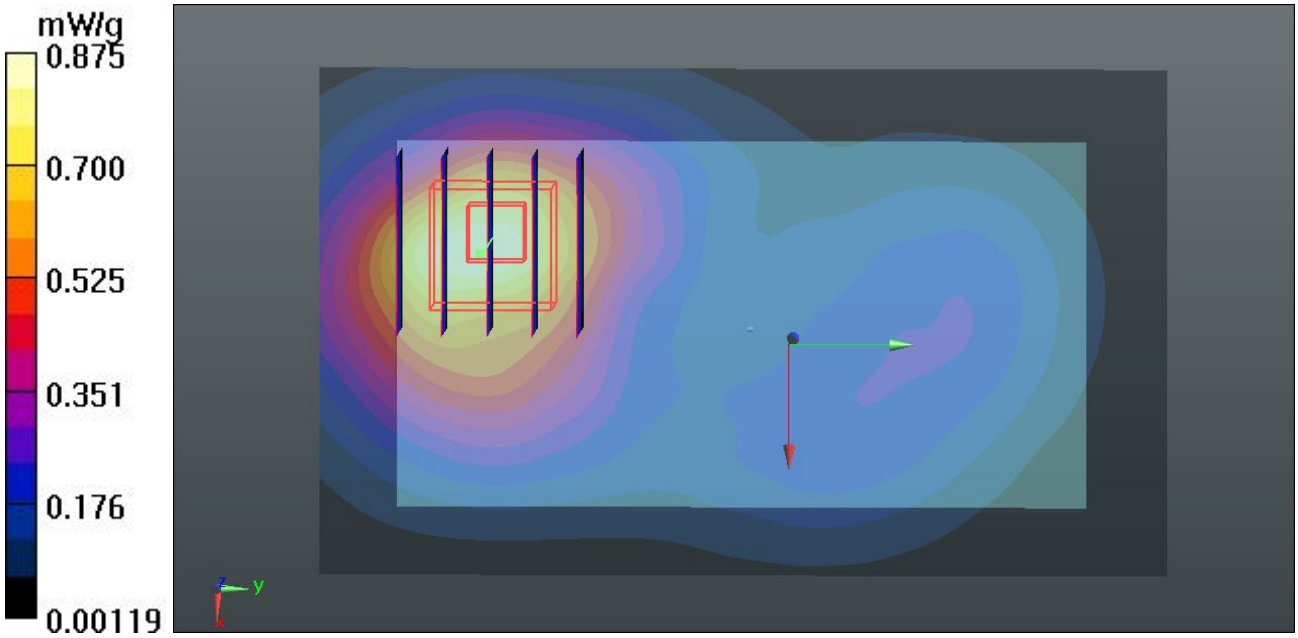
DUT: 222301

Communication System: CDMA2000; Frequency: 1753.75 MHz;Duty Cycle: 1:1
Medium: MSL_1800_120302 Medium parameters used: f = 1754 MHz; σ = 1.52 mho/m; ε_r = 55.241; ρ = 1000 kg/m^3
Ambient Temperature：23.3 ℃; Liquid Temperature：21.7 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3819; ConvF(8, 8, 8); 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)

Ch875/Area Scan (61x101x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.875 mW/g

Ch875/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 9.905 V/m; Power Drift = 0.05 dB
Peak SAR (extrapolated) = 1.1930
SAR(1 g) = 0.770 mW/g; SAR(10 g) = 0.469 mW/g
Maximum value of SAR (measured) = 0.849 mW/g



29 CDMA2000 BC15_RC3 SO32_Back_1.0cm_Ch425_Earphone

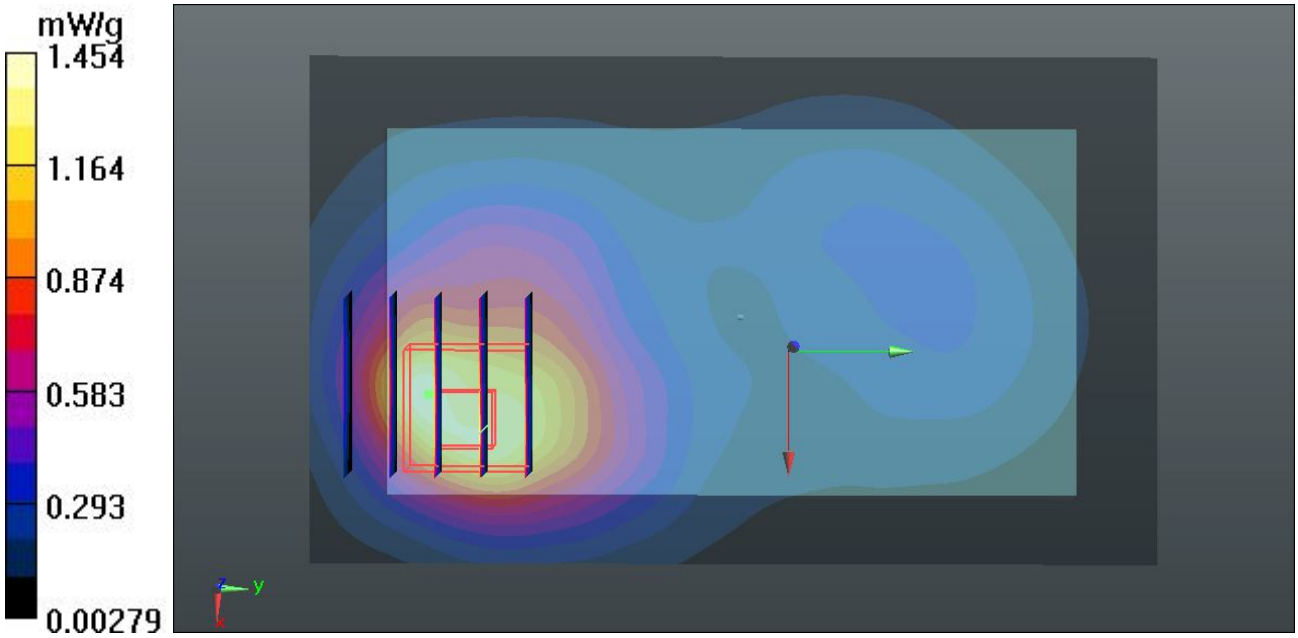
DUT: 222301

Communication System: CDMA2000; Frequency: 1731.25 MHz;Duty Cycle: 1:1
Medium: MSL_1800_120302 Medium parameters used: f = 1731.25 MHz; σ = 1.495 mho/m; ε_r = 55.279; ρ = 1000 kg/m^3
Ambient Temperature：23.3 ℃; Liquid Temperature：21.7 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3819; ConvF(8, 8, 8); 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)

Ch425/Area Scan (61x101x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 1.454 mW/g

Ch425/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 11.179 V/m; Power Drift = -0.001 dB
Peak SAR (extrapolated) = 2.1680
SAR(1 g) = 1.32 mW/g; SAR(10 g) = 0.774 mW/g
Maximum value of SAR (measured) = 1.451 mW/g



30 CDMA2000 BC15_RC3 SO32_Back_1.0cm_Ch875_Earphone

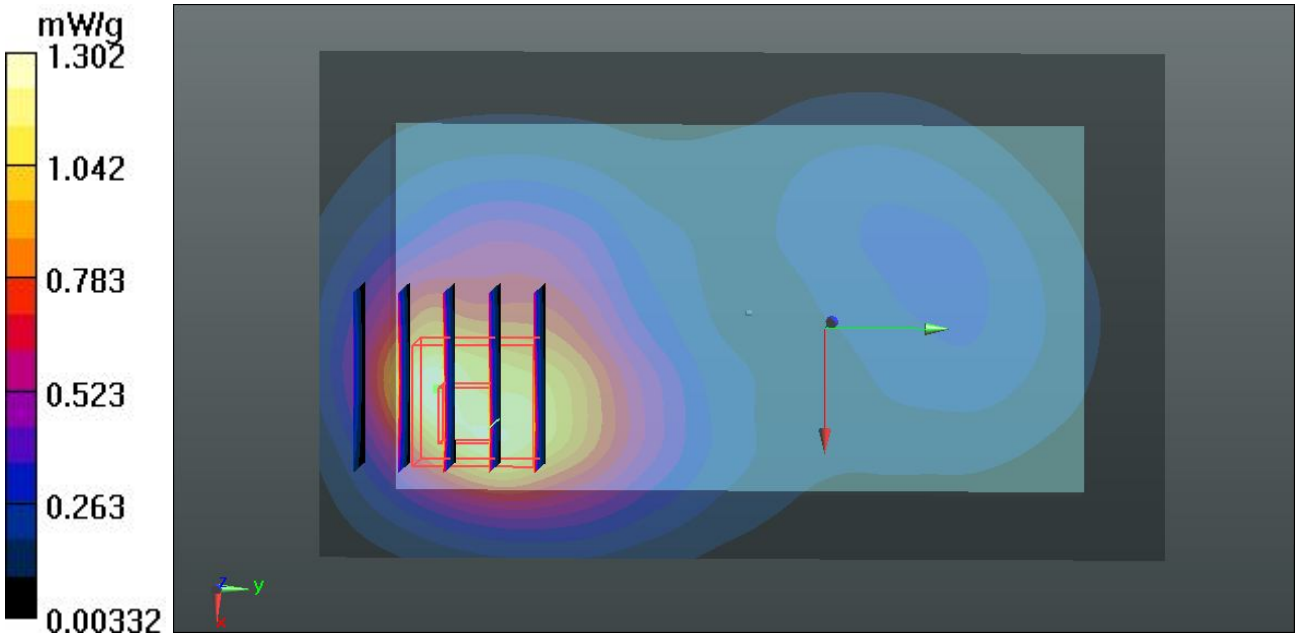
DUT: 222301

Communication System: CDMA2000; Frequency: 1753.75 MHz;Duty Cycle: 1:1
Medium: MSL_1800_120302 Medium parameters used: f = 1754 MHz; σ = 1.52 mho/m; ε_r = 55.241; ρ = 1000 kg/m^3
Ambient Temperature：23.3 ℃; Liquid Temperature：21.7 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3819; ConvF(8, 8, 8); 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)

Ch875/Area Scan (61x101x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 1.302 mW/g

Ch875/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 9.826 V/m; Power Drift = 0.04 dB
Peak SAR (extrapolated) = 2.1420
SAR(1 g) = 1.17 mW/g; SAR(10 g) = 0.689 mW/g
Maximum value of SAR (measured) = 1.266 mW/g



01 CDMA2000 BC1_RTAP 153.6_Front_1.0cm_Ch25

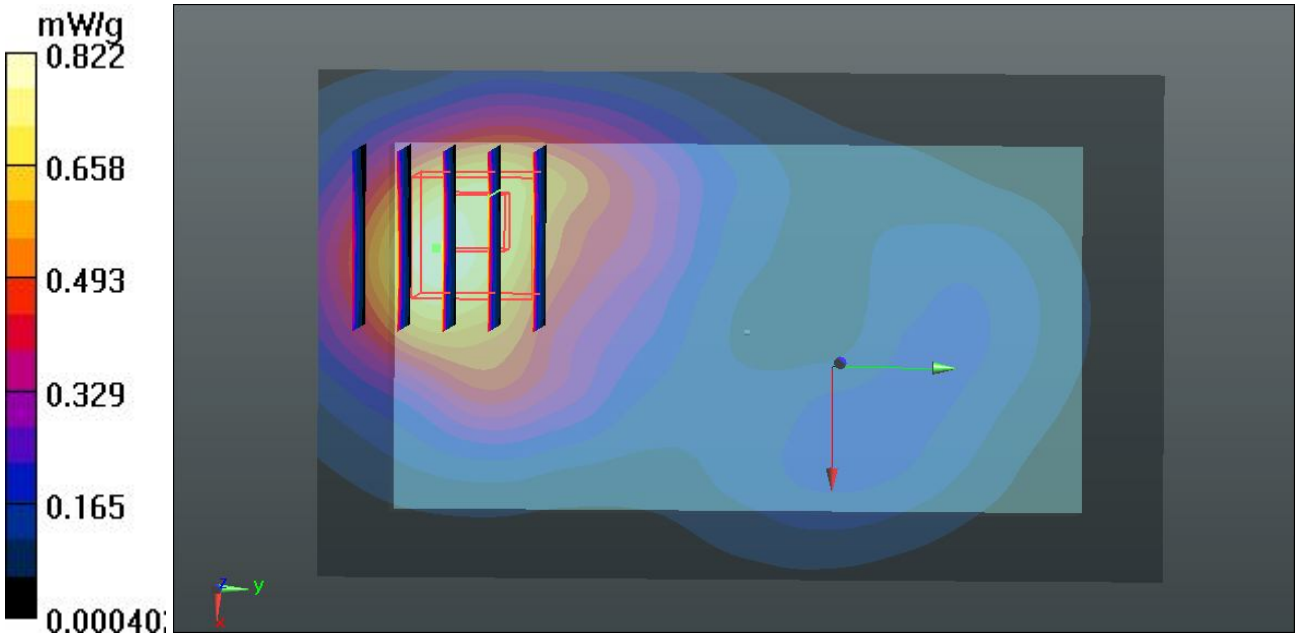
DUT: 222301

Communication System: CDMA2000; Frequency: 1851.25 MHz;Duty Cycle: 1:1
Medium: MSL_1900_120301 Medium parameters used: f = 1851.25 MHz; σ = 1.466 mho/m; ε_r = 54.603; 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: SAM1; Type: QD000P40CD; Serial: TP:1670
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.6.4 (4989)

Ch25/Area Scan (61x101x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.822 mW/g

Ch25/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 8.319 V/m; Power Drift = -0.09 dB
Peak SAR (extrapolated) = 1.1360
SAR(1 g) = 0.707 mW/g; SAR(10 g) = 0.433 mW/g
Maximum value of SAR (measured) = 0.759 mW/g



02 CDMA2000 BC1_RTAP 153.6_Back_1.0cm_Ch25

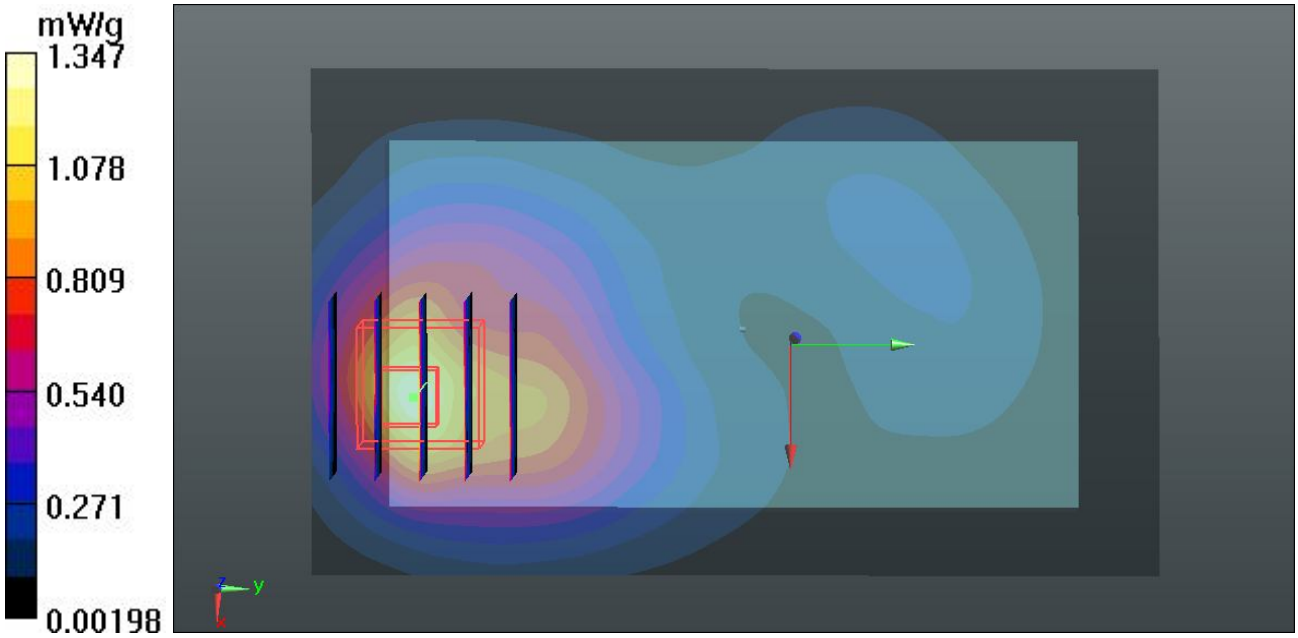
DUT: 222301

Communication System: CDMA2000; Frequency: 1851.25 MHz;Duty Cycle: 1:1
Medium: MSL_1900_120301 Medium parameters used: f = 1851.25 MHz; σ = 1.466 mho/m; ε_r = 54.603; 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: SAM1; Type: QD000P40CD; Serial: TP:1670
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.6.4 (4989)

Ch25/Area Scan (61x101x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 1.347 mW/g

Ch25/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 8.090 V/m; Power Drift = 0.01 dB
Peak SAR (extrapolated) = 2.4500
SAR(1 g) = 1.11 mW/g; SAR(10 g) = 0.612 mW/g
Maximum value of SAR (measured) = 1.183 mW/g



02 CDMA2000 BC1_RTAP 153.6_Back_1.0cm_Ch25_2D

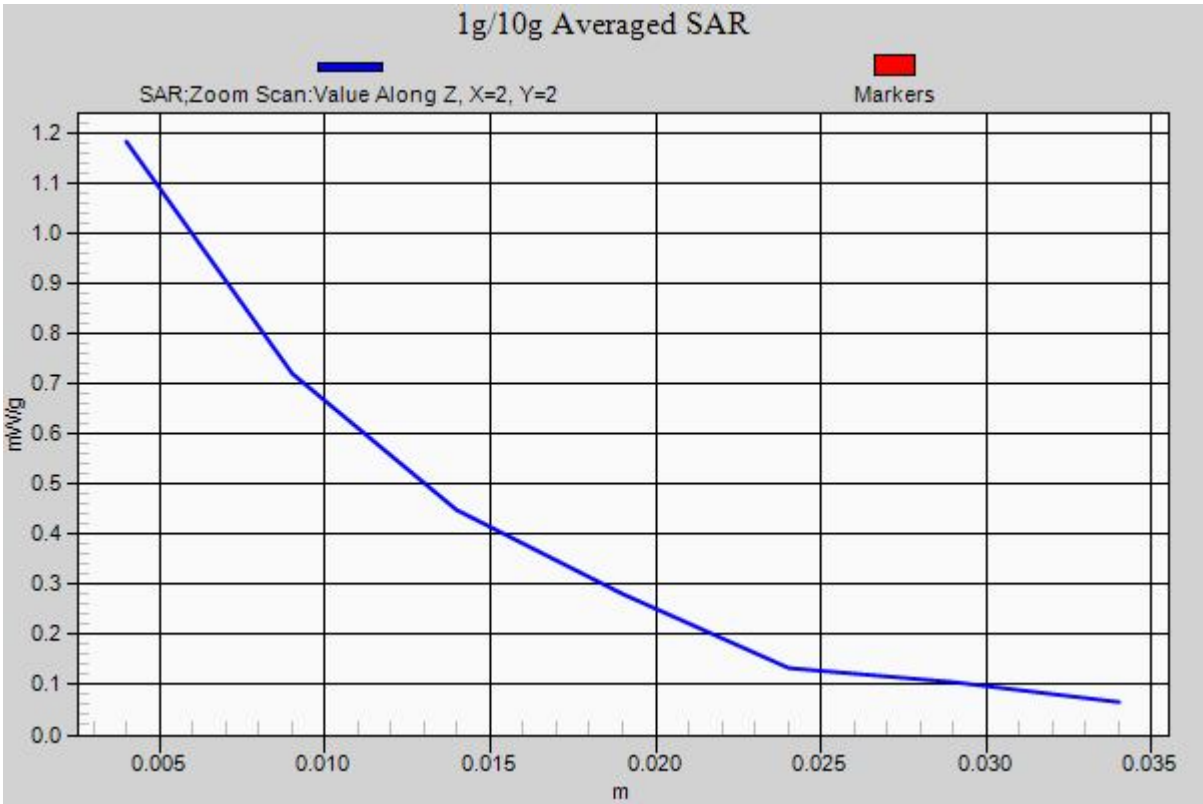
DUT: 222301

Communication System: CDMA2000; Frequency: 1851.25 MHz;Duty Cycle: 1:1
Medium: MSL_1900_120301 Medium parameters used: f = 1851.25 MHz; σ = 1.466 mho/m; ε_r = 54.603; 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: SAM1; Type: QD000P40CD; Serial: TP:1670
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.6.4 (4989)

Ch25/Area Scan (61x101x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 1.347 mW/g

Ch25/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 8.090 V/m; Power Drift = 0.01 dB
Peak SAR (extrapolated) = 2.4500
SAR(1 g) = 1.11 mW/g; SAR(10 g) = 0.612 mW/g
Maximum value of SAR (measured) = 1.183 mW/g



03 CDMA2000 BC1_RTAP 153.6_Left Side_1.0cm_Ch25

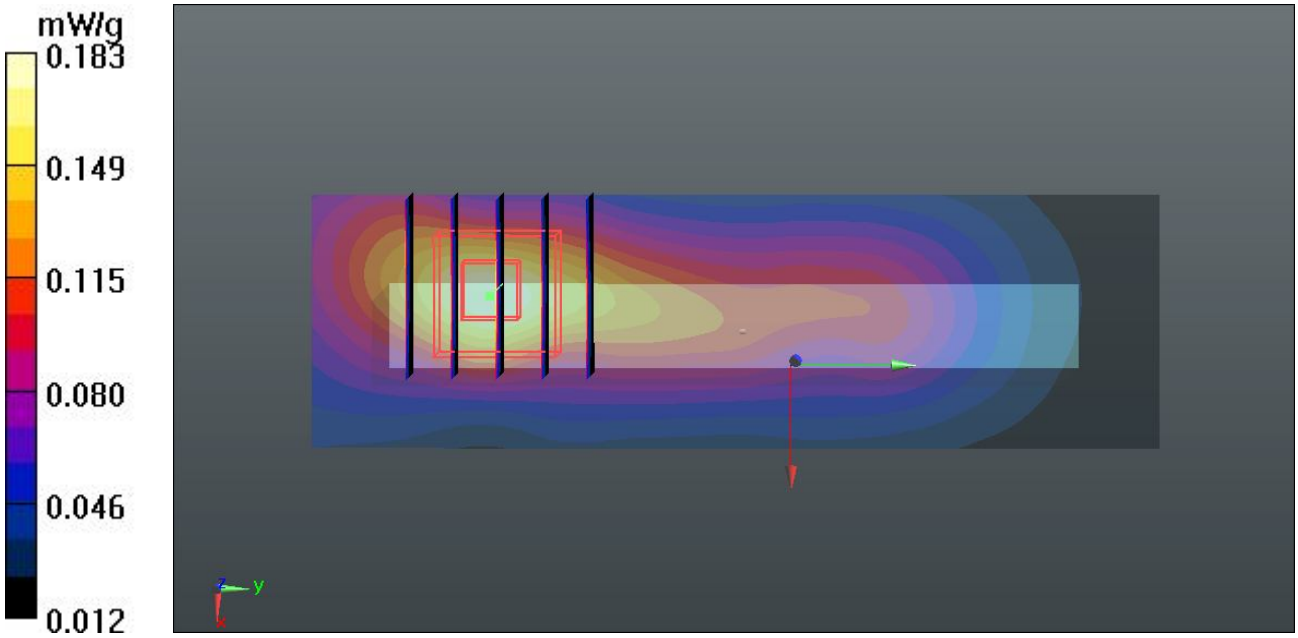
DUT: 222301

Communication System: CDMA2000; Frequency: 1851.25 MHz;Duty Cycle: 1:1
Medium: MSL_1900_120301 Medium parameters used: f = 1851.25 MHz; σ = 1.466 mho/m; ε_r = 54.603; 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: SAM1; Type: QD000P40CD; Serial: TP:1670
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.6.4 (4989)

Ch25/Area Scan (31x101x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.183 mW/g

Ch25/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 8.881 V/m; Power Drift = -0.06 dB
Peak SAR (extrapolated) = 0.3700
SAR(1 g) = 0.170 mW/g; SAR(10 g) = 0.098 mW/g
Maximum value of SAR (measured) = 0.181 mW/g



04 CDMA2000 BC1_RTAP 153.6_Right Side_1.0cm_Ch25

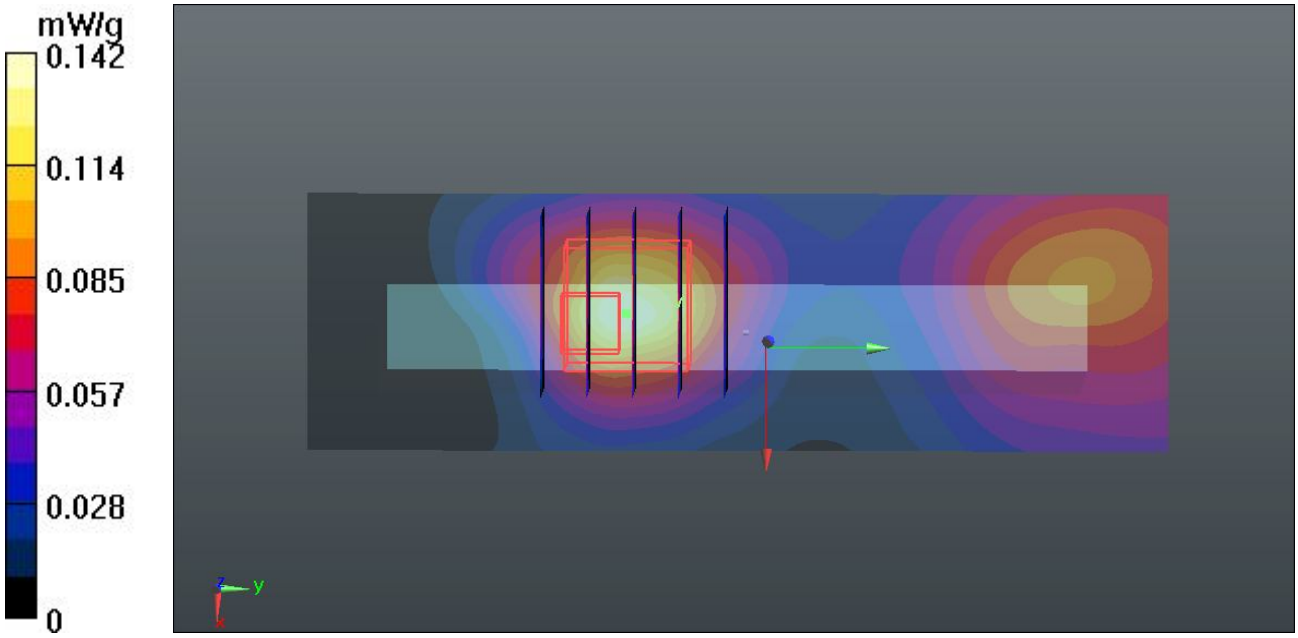
DUT: 222301

Communication System: CDMA2000; Frequency: 1851.25 MHz;Duty Cycle: 1:1
Medium: MSL_1900_120301 Medium parameters used: f = 1851.25 MHz; σ = 1.466 mho/m; ε_r = 54.603; 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: SAM1; Type: QD000P40CD; Serial: TP:1670
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.6.4 (4989)

Ch25/Area Scan (31x101x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.142 mW/g

Ch25/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 6.778 V/m; Power Drift = 0.06 dB
Peak SAR (extrapolated) = 0.2530
SAR(1 g) = 0.117 mW/g; SAR(10 g) = 0.067 mW/g
Maximum value of SAR (measured) = 0.121 mW/g



05 CDMA2000 BC1_RTAP 153.6_Top Side_1.0cm_Ch25

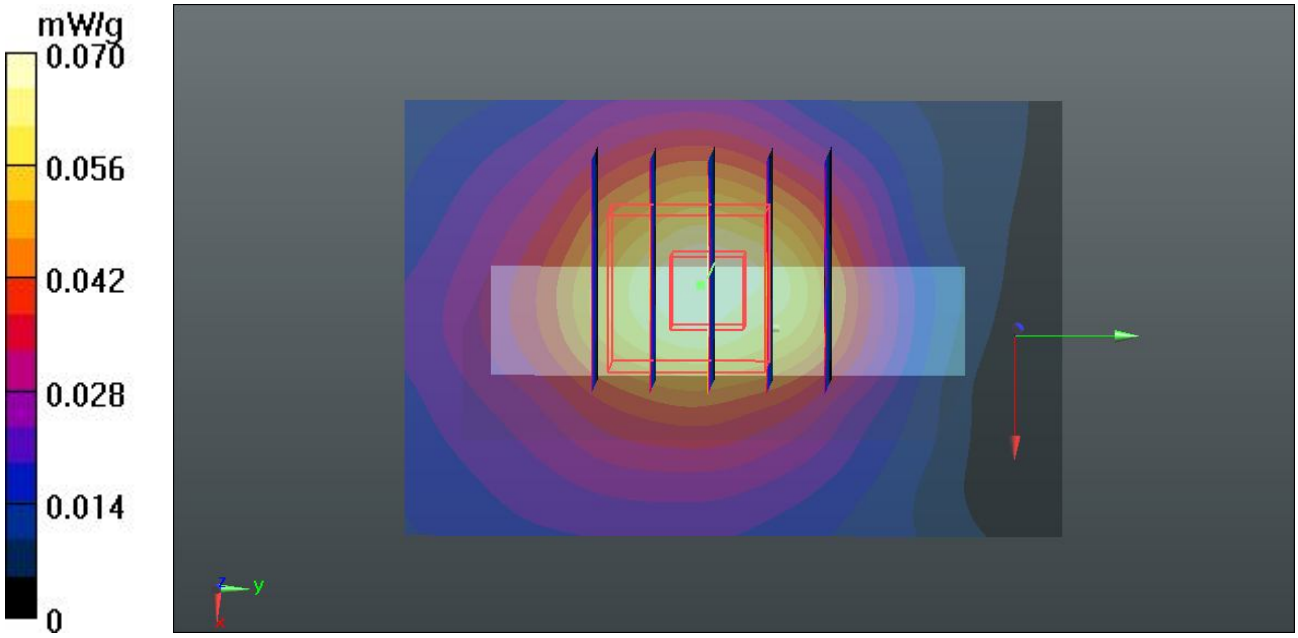
DUT: 222301

Communication System: CDMA2000; Frequency: 1851.25 MHz;Duty Cycle: 1:1
Medium: MSL_1900_120301 Medium parameters used: f = 1851.25 MHz; σ = 1.466 mho/m; ε_r = 54.603; 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: SAM1; Type: QD000P40CD; Serial: TP:1670
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.6.4 (4989)

Ch25/Area Scan (41x61x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.070 mW/g

Ch25/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 1.779 V/m; Power Drift = 0.03 dB
Peak SAR (extrapolated) = 0.1240
SAR(1 g) = 0.069 mW/g; SAR(10 g) = 0.040 mW/g
Maximum value of SAR (measured) = 0.073 mW/g



06 CDMA2000 BC1_RTAP 153.6_Bottom Side_1.0cm_Ch25

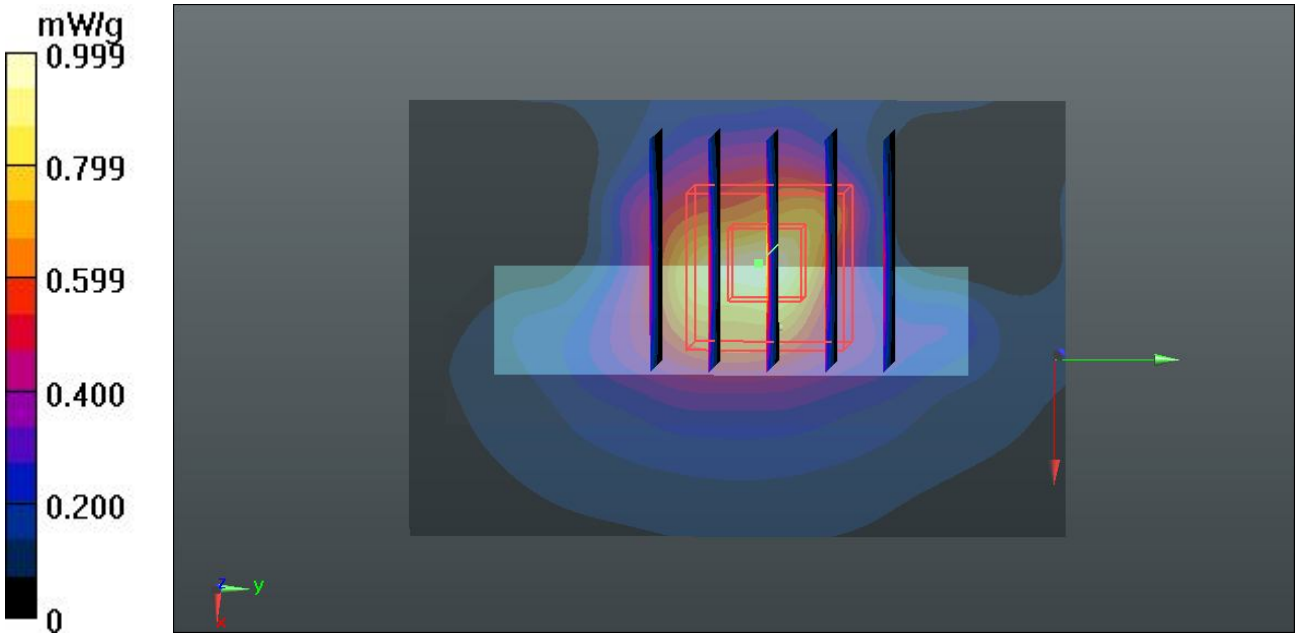
DUT: 222301

Communication System: CDMA2000; Frequency: 1851.25 MHz;Duty Cycle: 1:1
Medium: MSL_1900_120301 Medium parameters used: f = 1851.25 MHz; σ = 1.466 mho/m; ε_r = 54.603; 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: SAM1; Type: QD000P40CD; Serial: TP:1670
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.6.4 (4989)

Ch25/Area Scan (41x61x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.999 mW/g

Ch25/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 12.091 V/m; Power Drift = -0.10 dB
Peak SAR (extrapolated) = 1.1780
SAR(1 g) = 0.763 mW/g; SAR(10 g) = 0.421 mW/g
Maximum value of SAR (measured) = 0.918 mW/g



07 CDMA2000 BC1_RTAP 153.6_Back_1.0cm_Ch600

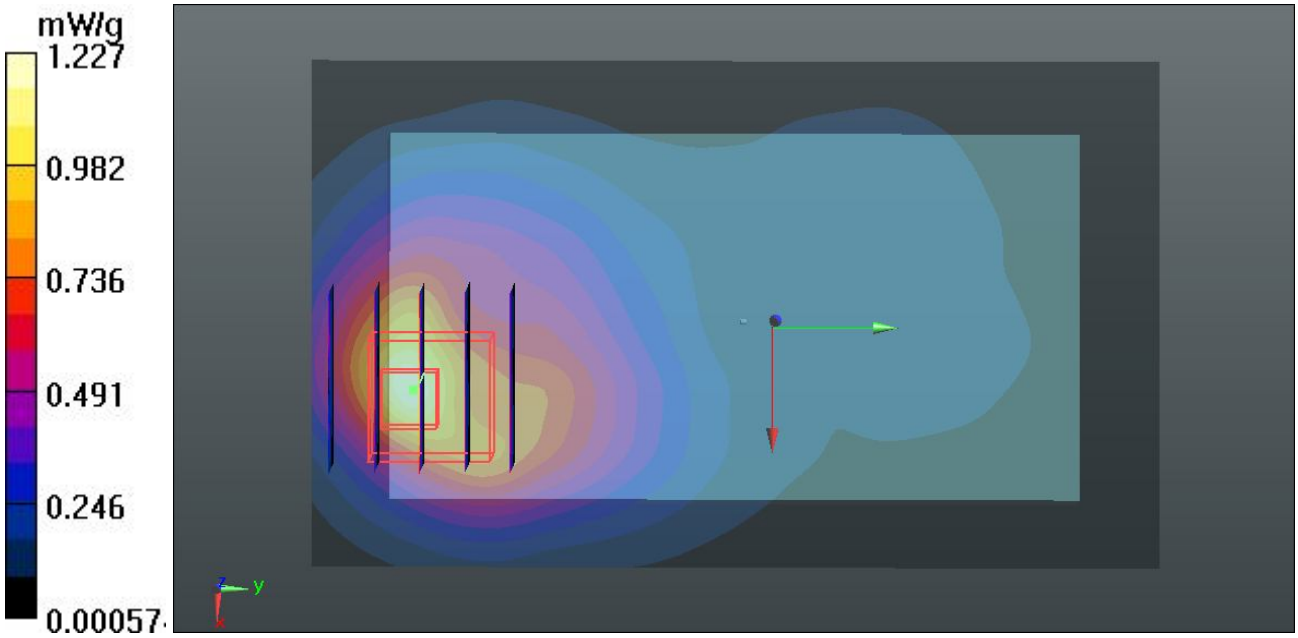
DUT: 222301

Communication System: CDMA2000; Frequency: 1880 MHz;Duty Cycle: 1:1
Medium: MSL_1900_120301 Medium parameters used: f = 1880 MHz; σ = 1.503 mho/m; ε_r = 54.538; 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: SAM1; Type: QD000P40CD; Serial: TP:1670
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.6.4 (4989)

Ch600/Area Scan (61x101x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 1.227 mW/g

Ch600/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 9.242 V/m; Power Drift = -0.08 dB
Peak SAR (extrapolated) = 1.9560
SAR(1 g) = 1.03 mW/g; SAR(10 g) = 0.551 mW/g
Maximum value of SAR (measured) = 1.062 mW/g



08 CDMA2000 BC1_RTAP 153.6_Back_1.0cm_Ch1175

DUT: 222301

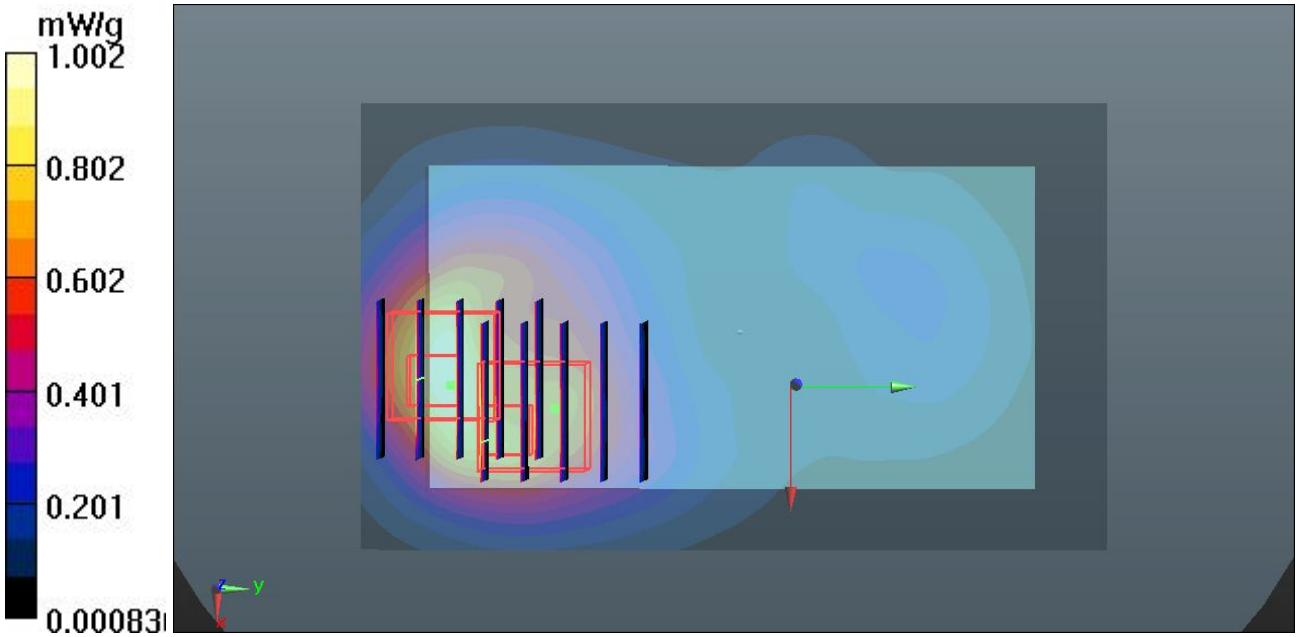
Communication System: CDMA2000; Frequency: 1908.75 MHz;Duty Cycle: 1:1
Medium: MSL_1900_120301 Medium parameters used: f = 1909 MHz; σ = 1.533 mho/m; ε_r = 54.487; ρ = 1000 kg/m^3
Ambient Temperature：23.5 ℃; Liquid Temperature：21.3 ℃

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

Ch1175/Area Scan (61x101x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 1.002 mW/g

Ch1175/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 7.031 V/m; Power Drift = 0.06 dB
Peak SAR (extrapolated) = 2.3810
SAR(1 g) = 1.03 mW/g; SAR(10 g) = 0.530 mW/g
Maximum value of SAR (measured) = 1.095 mW/g

Ch1175/Zoom Scan (5x5x7)/Cube 1: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 7.031 V/m; Power Drift = 0.06 dB
Peak SAR (extrapolated) = 1.5920
SAR(1 g) = 0.774 mW/g; SAR(10 g) = 0.431 mW/g
Maximum value of SAR (measured) = 0.867 mW/g



Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab Date: 01.03.2012

09 CDMA2000 BC1_RC3 SO32_Front_1.0cm_Ch25 _Earphone

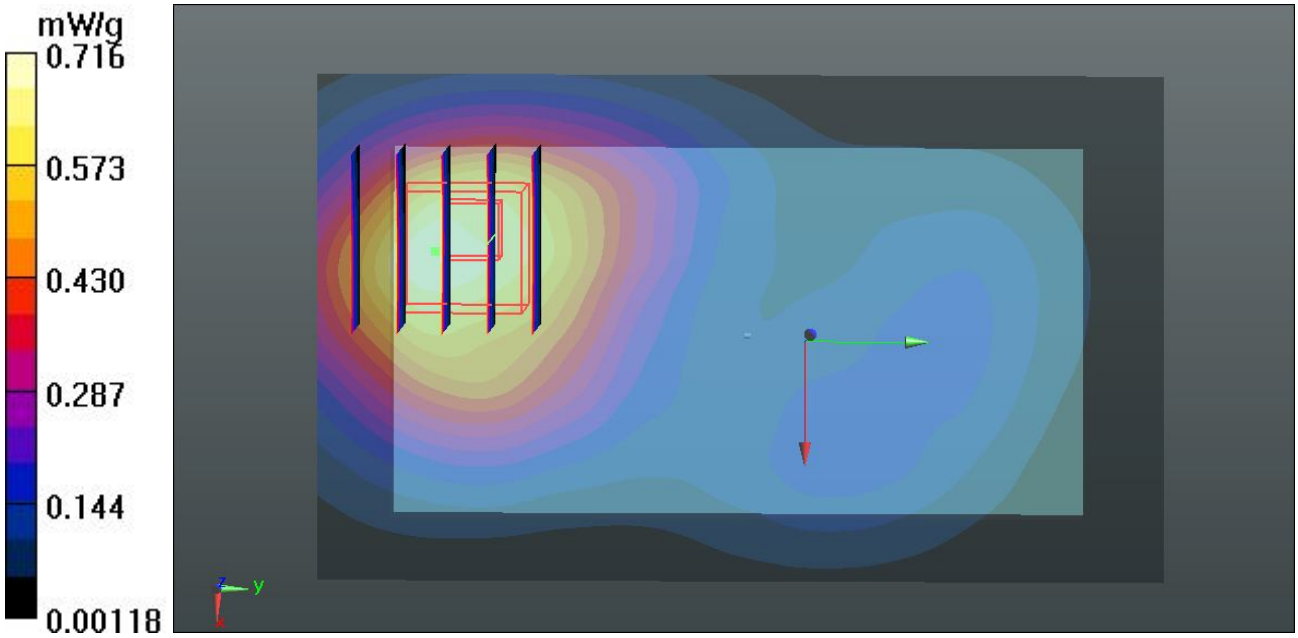
DUT: 222301

Communication System: CDMA2000; Frequency: 1851.25 MHz;Duty Cycle: 1:1
Medium: MSL_1900_120301 Medium parameters used: f = 1851.25 MHz; σ = 1.466 mho/m; ε_r = 54.603; 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: SAM1; Type: QD000P40CD; Serial: TP:1670
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.6.4 (4989)

Ch25/Area Scan (61x101x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.716 mW/g

Ch25/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 8.467 V/m; Power Drift = 0.0022 dB
Peak SAR (extrapolated) = 1.0090
SAR(1 g) = 0.626 mW/g; SAR(10 g) = 0.394 mW/g
Maximum value of SAR (measured) = 0.658 mW/g



10 CDMA2000 BC1_RC3 SO32_Back_1.0cm_Ch25 _Earphone

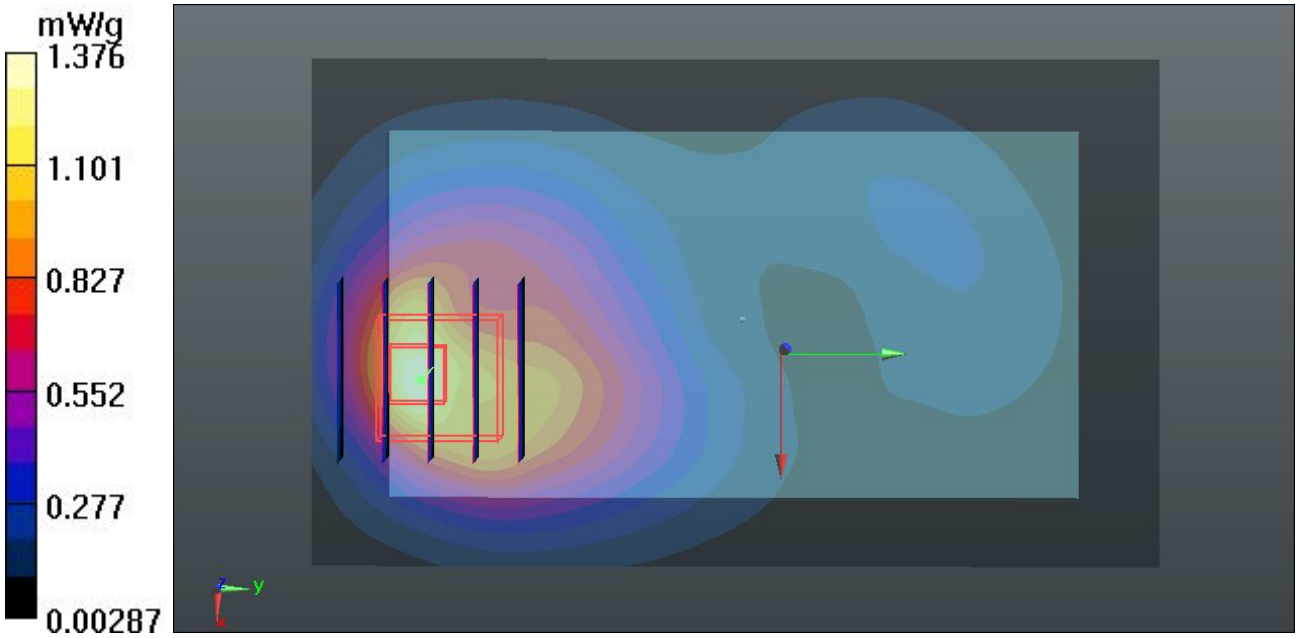
DUT: 222301

Communication System: CDMA2000; Frequency: 1851.25 MHz;Duty Cycle: 1:1
Medium: MSL_1900_120301 Medium parameters used: f = 1851.25 MHz; σ = 1.466 mho/m; ε_r = 54.603; 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: SAM1; Type: QD000P40CD; Serial: TP:1670
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.6.4 (4989)

Ch25/Area Scan (61x101x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 1.376 mW/g

Ch25/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 9.209 V/m; Power Drift = 0.11 dB
Peak SAR (extrapolated) = 1.7270
SAR(1 g) = 1.09 mW/g; SAR(10 g) = 0.647 mW/g
Maximum value of SAR (measured) = 1.140 mW/g



11 CDMA2000 BC1_RC3 SO32_Back_1.0cm_Ch600 _Earphone

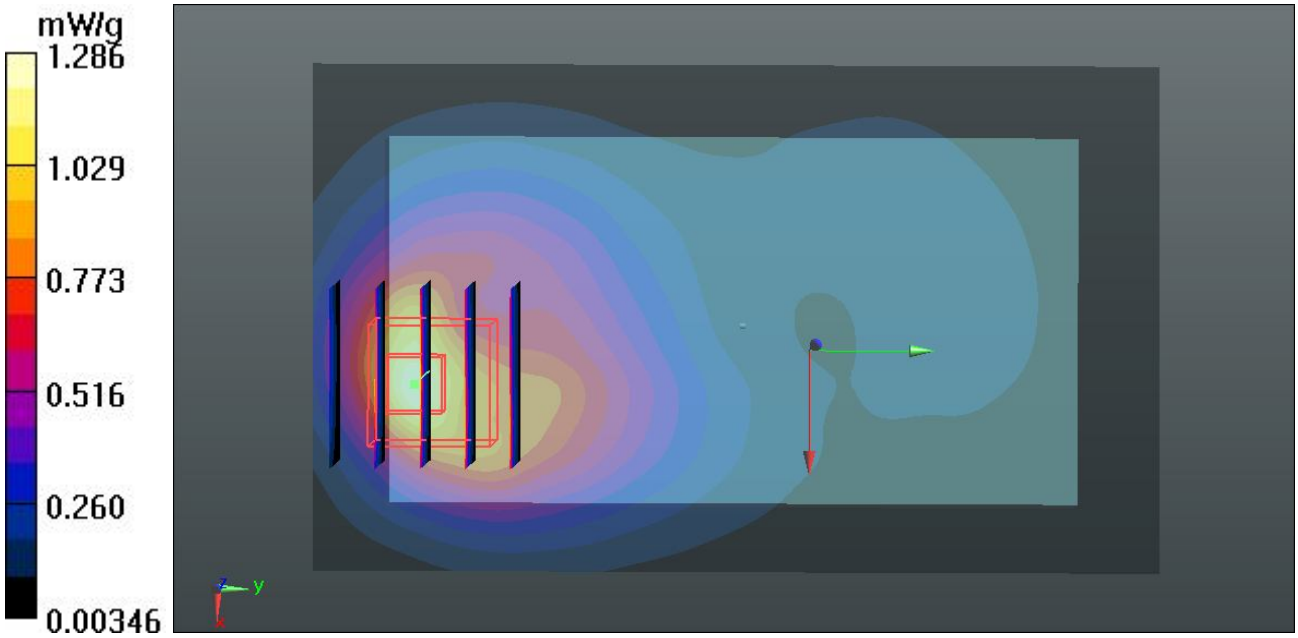
DUT: 222301

Communication System: CDMA2000; Frequency: 1880 MHz;Duty Cycle: 1:1
Medium: MSL_1900_120301 Medium parameters used: f = 1880 MHz; σ = 1.503 mho/m; ε_r = 54.538; 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: SAM1; Type: QD000P40CD; Serial: TP:1670
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.6.4 (4989)

Ch600/Area Scan (61x101x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 1.286 mW/g

Ch600/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 9.808 V/m; Power Drift = 0.0063 dB
Peak SAR (extrapolated) = 1.8340
SAR(1 g) = 1.07 mW/g; SAR(10 g) = 0.597 mW/g
Maximum value of SAR (measured) = 1.194 mW/g



12 CDMA2000 BC1_RC3 SO32_Back_1.0cm_Ch1175 _Earphone

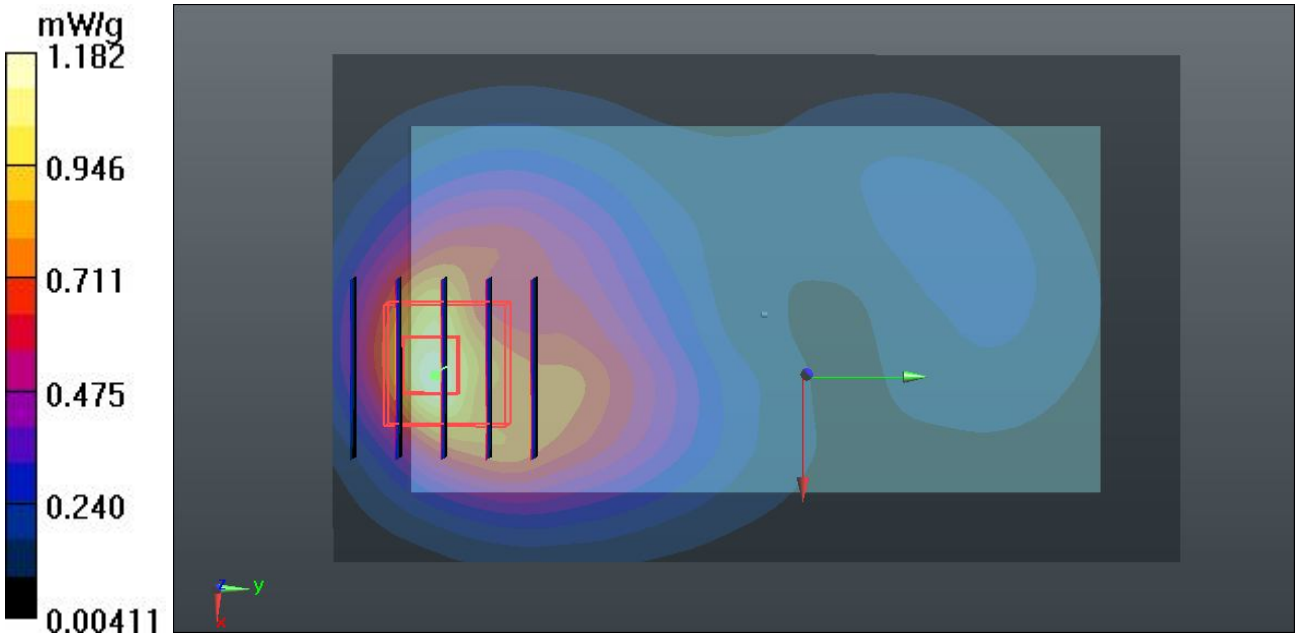
DUT: 222301

Communication System: CDMA2000; Frequency: 1908.75 MHz;Duty Cycle: 1:1
Medium: MSL_1900_120301 Medium parameters used: f = 1909 MHz; σ = 1.533 mho/m; ε_r = 54.487; 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: SAM1; Type: QD000P40CD; Serial: TP:1670
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.6.4 (4989)

Ch1175/Area Scan (61x101x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 1.182 mW/g

Ch1175/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 8.365 V/m; Power Drift = -0.04 dB
Peak SAR (extrapolated) = 1.7310
SAR(1 g) = 0.990 mW/g; SAR(10 g) = 0.548 mW/g
Maximum value of SAR (measured) = 1.088 mW/g



51 802.11b_Front_1.0cm_Ch6

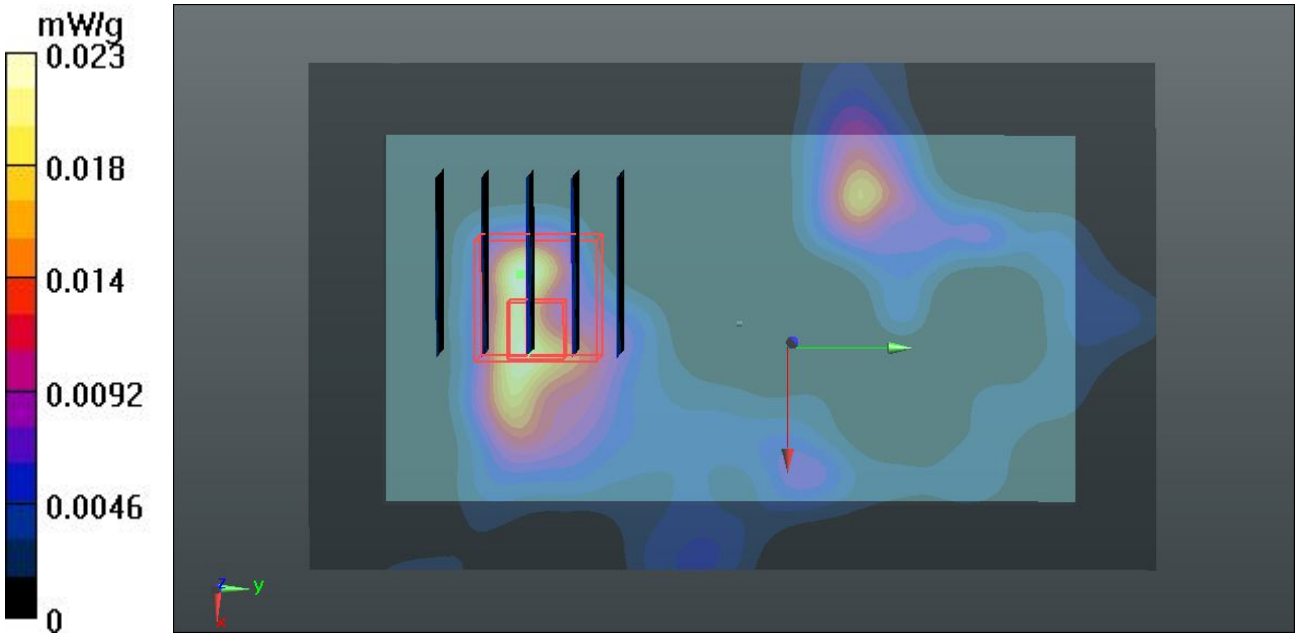
DUT: 222301

Communication System: WIFI; Frequency: 2437 MHz;Duty Cycle: 1:1
Medium: MSL_2450_120306 Medium parameters used: f = 2437 MHz; σ = 1.912 mho/m; ε_r = 54.01; ρ = 1000 kg/m^3
Ambient Temperature：23.6 ℃； Liquid Temperature：21.6 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3819; ConvF(7.4, 7.4, 7.4); 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)

Ch6/Area Scan (61x101x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.023 mW/g

Ch6/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 0.271 V/m; Power Drift = 0.07 dB
Peak SAR (extrapolated) = 0.0180
SAR(1 g) = 0.010 mW/g; SAR(10 g) = 0.00481 mW/g
Maximum value of SAR (measured) = 0.012 mW/g



52 802.11b_Back_1.0cm_Ch6

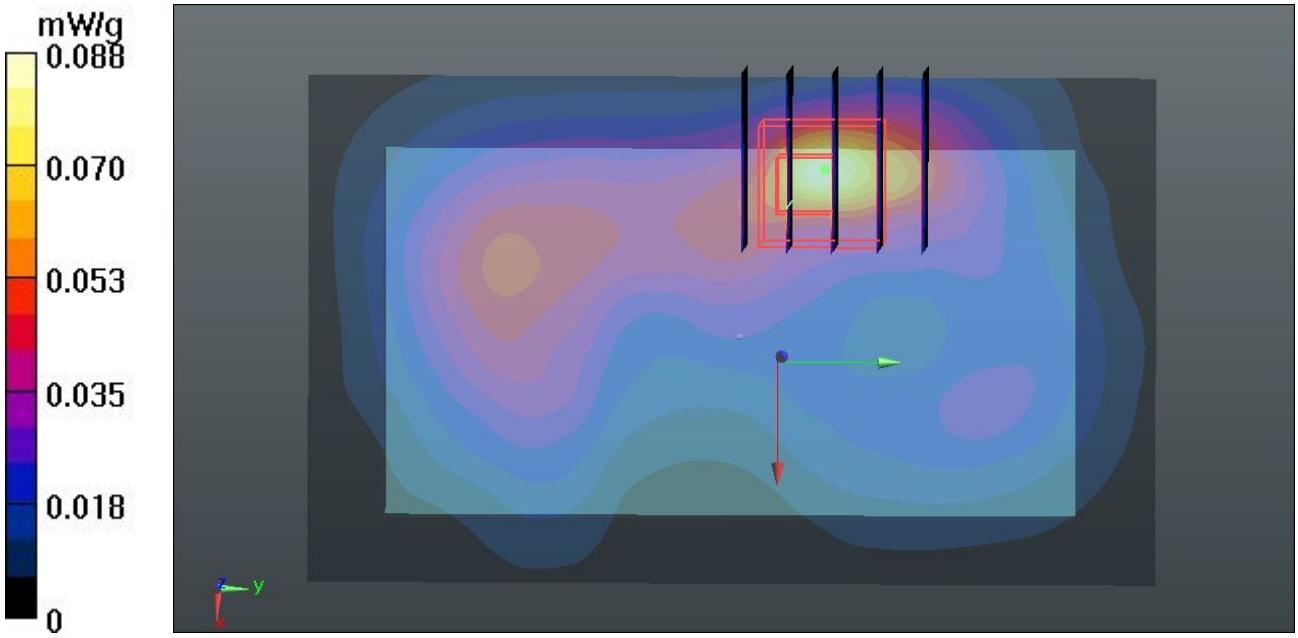
DUT: 222301

Communication System: WIFI; Frequency: 2437 MHz;Duty Cycle: 1:1
Medium: MSL_2450_120306 Medium parameters used: f = 2437 MHz; σ = 1.912 mho/m; ε_r = 54.01; ρ = 1000 kg/m^3
Ambient Temperature：23.6 ℃; Liquid Temperature：21.6 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3819; ConvF(7.4, 7.4, 7.4); 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)

Ch6/Area Scan (61x101x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.088 mW/g

Ch6/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 3.521 V/m; Power Drift = 0.11 dB
Peak SAR (extrapolated) = 0.1720
SAR(1 g) = 0.084 mW/g; SAR(10 g) = 0.039 mW/g
Maximum value of SAR (measured) = 0.088 mW/g



52 802.11b_Back_1.0cm_Ch6_2D

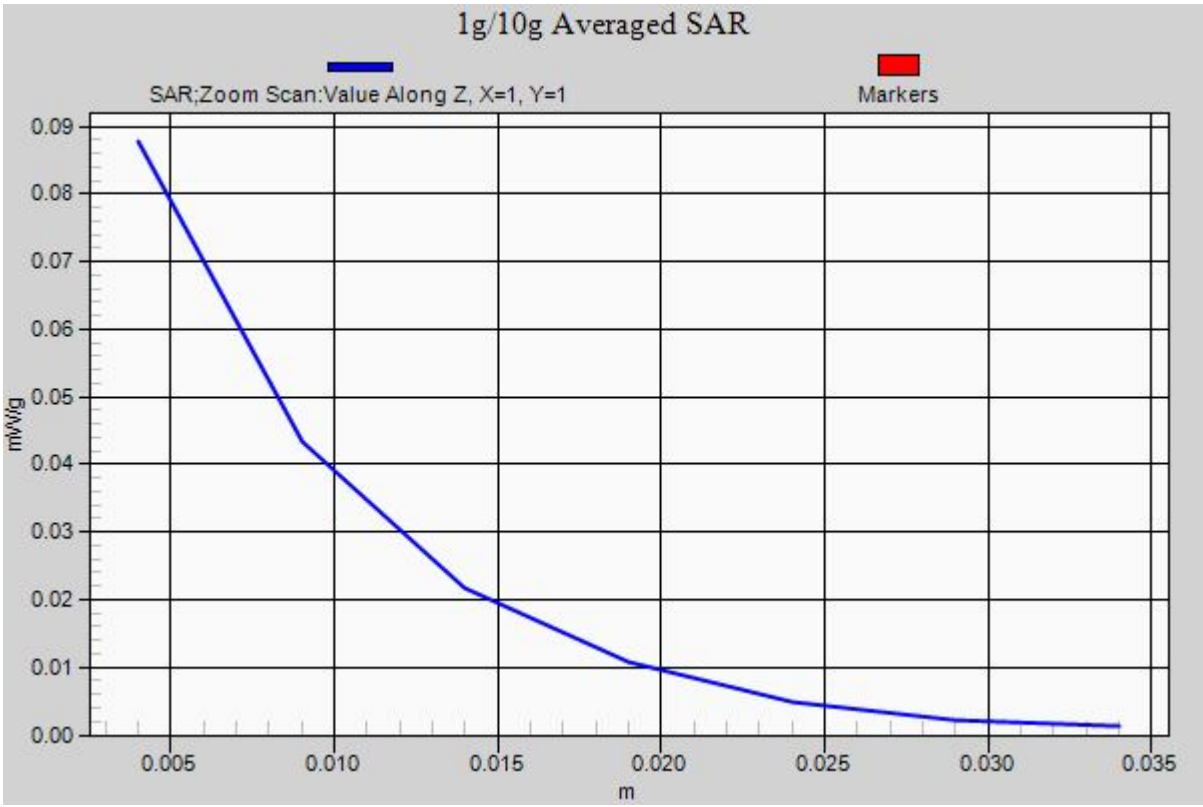
DUT: 222301

Communication System: WIFI; Frequency: 2437 MHz;Duty Cycle: 1:1
Medium: MSL_2450_120306 Medium parameters used: f = 2437 MHz; σ = 1.912 mho/m; ε_r = 54.01; ρ = 1000 kg/m^3
Ambient Temperature：23.6 ℃; Liquid Temperature：21.6 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3819; ConvF(7.4, 7.4, 7.4); 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)

Ch6/Area Scan (61x101x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.088 mW/g

Ch6/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 3.521 V/m; Power Drift = 0.11 dB
Peak SAR (extrapolated) = 0.1720
SAR(1 g) = 0.084 mW/g; SAR(10 g) = 0.039 mW/g
Maximum value of SAR (measured) = 0.088 mW/g



53 802.11b_Left Side_1.0cm_Ch6

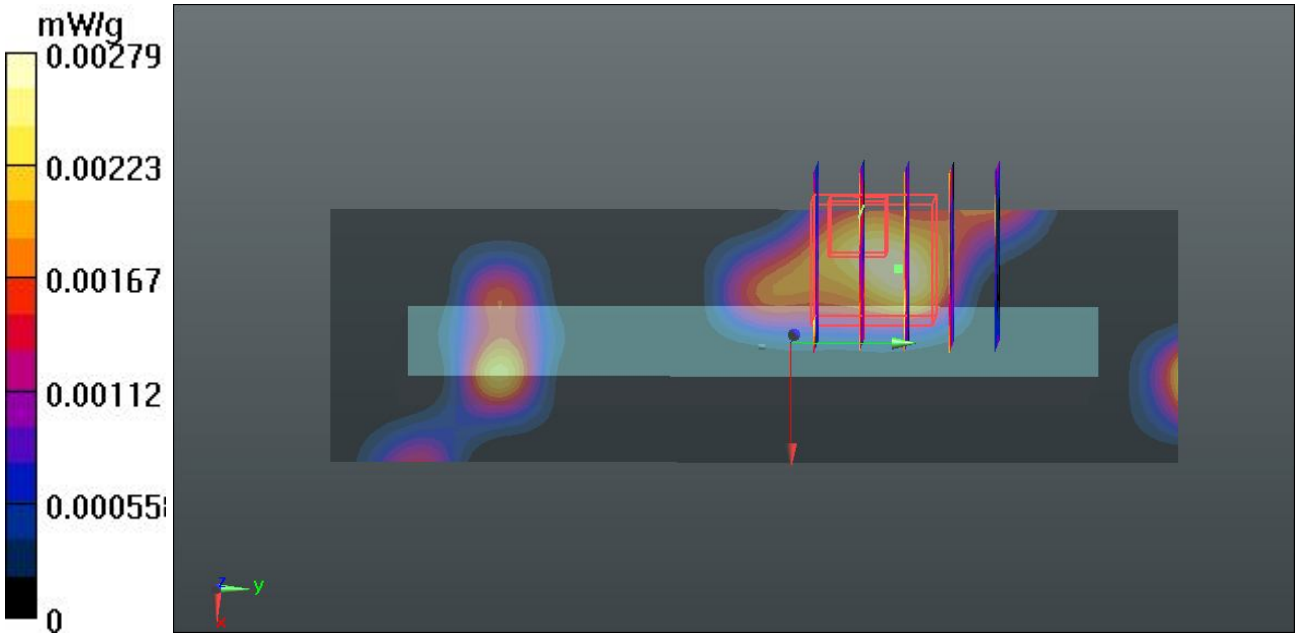
DUT: 222301

Communication System: WIFI; Frequency: 2437 MHz;Duty Cycle: 1:1
Medium: MSL_2450_120306 Medium parameters used: f = 2437 MHz; σ = 1.912 mho/m; ε_r = 54.01; ρ = 1000 kg/m^3
Ambient Temperature：23.6 ℃; Liquid Temperature：21.6 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3819; ConvF(7.4, 7.4, 7.4); 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)

Ch6/Area Scan (31x101x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.00279 mW/g

Ch6/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 0.663 V/m; Power Drift = 0.10 dB
Peak SAR (extrapolated) = 0.0150
SAR(1 g) = 0.00385 mW/g; SAR(10 g) = 0.00158 mW/g
Maximum value of SAR (measured) = 0.0047 mW/g



54 802.11b_Right Side_1.0cm_Ch6

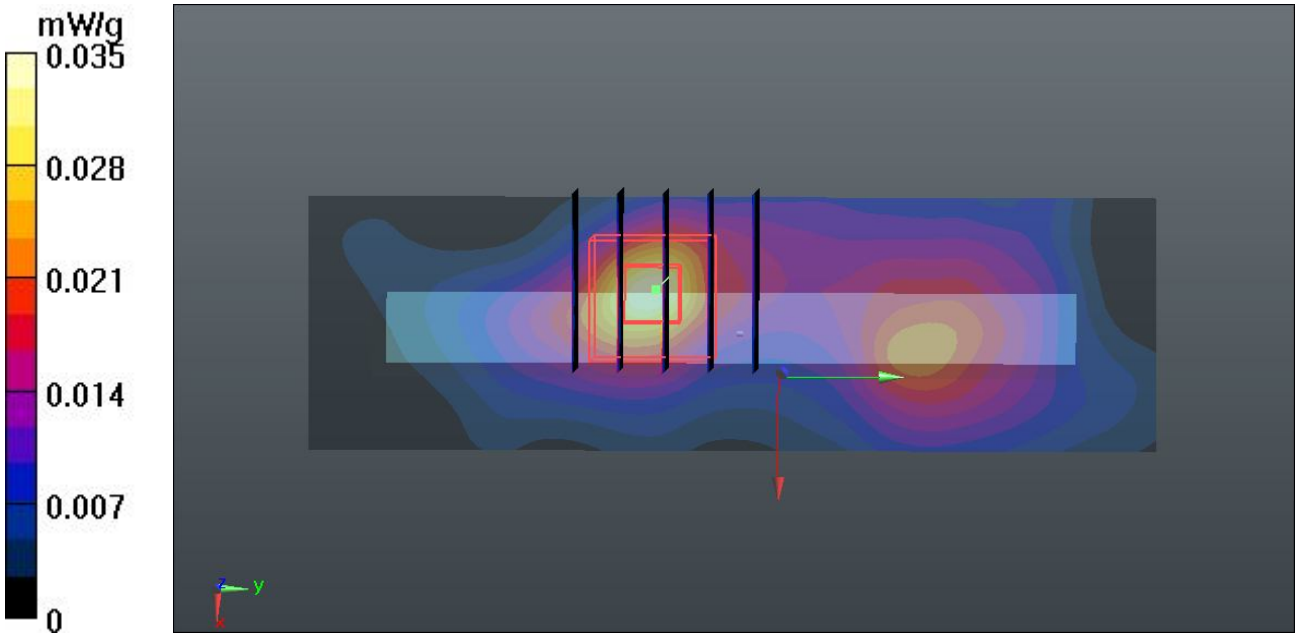
DUT: 222301

Communication System: WIFI; Frequency: 2437 MHz;Duty Cycle: 1:1
Medium: MSL_2450_120306 Medium parameters used: f = 2437 MHz; σ = 1.912 mho/m; ε_r = 54.01; ρ = 1000 kg/m^3
Ambient Temperature：23.6 ℃; Liquid Temperature：21.6 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3819; ConvF(7.4, 7.4, 7.4); 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)

Ch6/Area Scan (31x101x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.035 mW/g

Ch6/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 2.619 V/m; Power Drift = -0.02 dB
Peak SAR (extrapolated) = 0.0350
SAR(1 g) = 0.026 mW/g; SAR(10 g) = 0.011 mW/g
Maximum value of SAR (measured) = 0.034 mW/g



55 802.11b_Top Side_1.0cm_Ch6

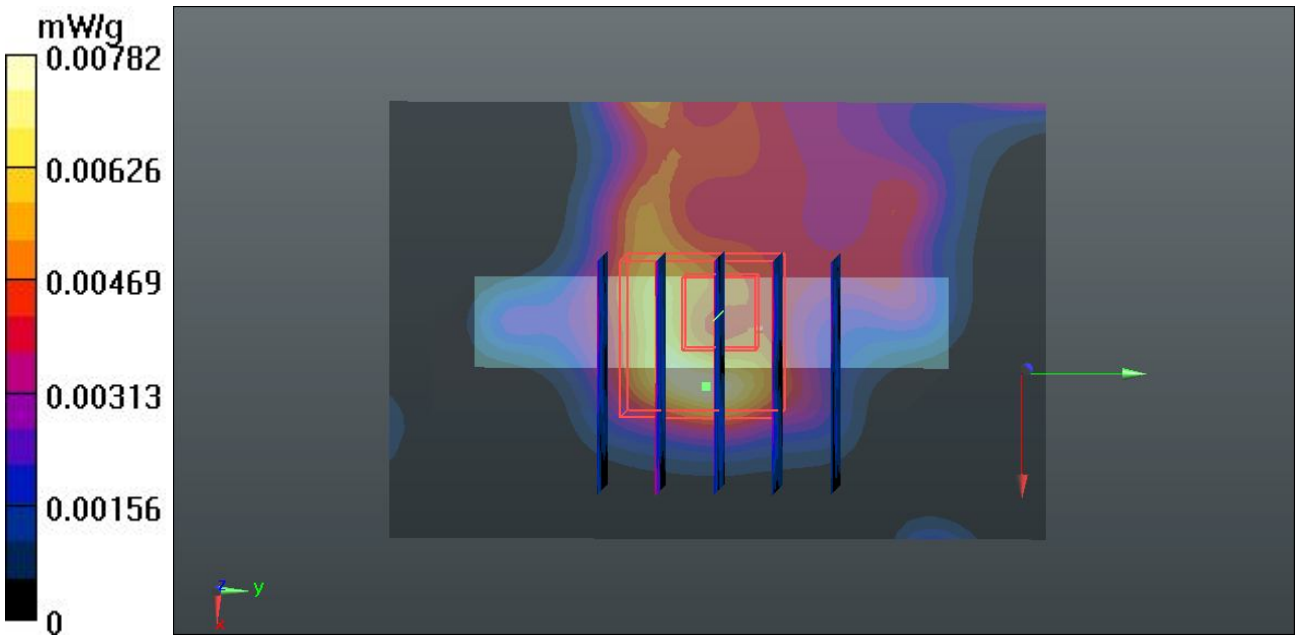
DUT: 222301

Communication System: WIFI; Frequency: 2437 MHz;Duty Cycle: 1:1
Medium: MSL_2450_120306 Medium parameters used: f = 2437 MHz; σ = 1.912 mho/m; ε_r = 54.01; ρ = 1000 kg/m^3
Ambient Temperature：23.6 ℃； Liquid Temperature：21.6 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3819; ConvF(7.4, 7.4, 7.4); 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)

Ch6/Area Scan (41x61x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.00782 mW/g

Ch6/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 0.668 V/m; Power Drift = 0.06 dB
Peak SAR (extrapolated) = 0.0180
SAR(1 g) = 0.00522 mW/g; SAR(10 g) = 0.00258 mW/g
Maximum value of SAR (measured) = 0.00564 mW/g



56 802.11b_Bottom Side_1.0cm_Ch6

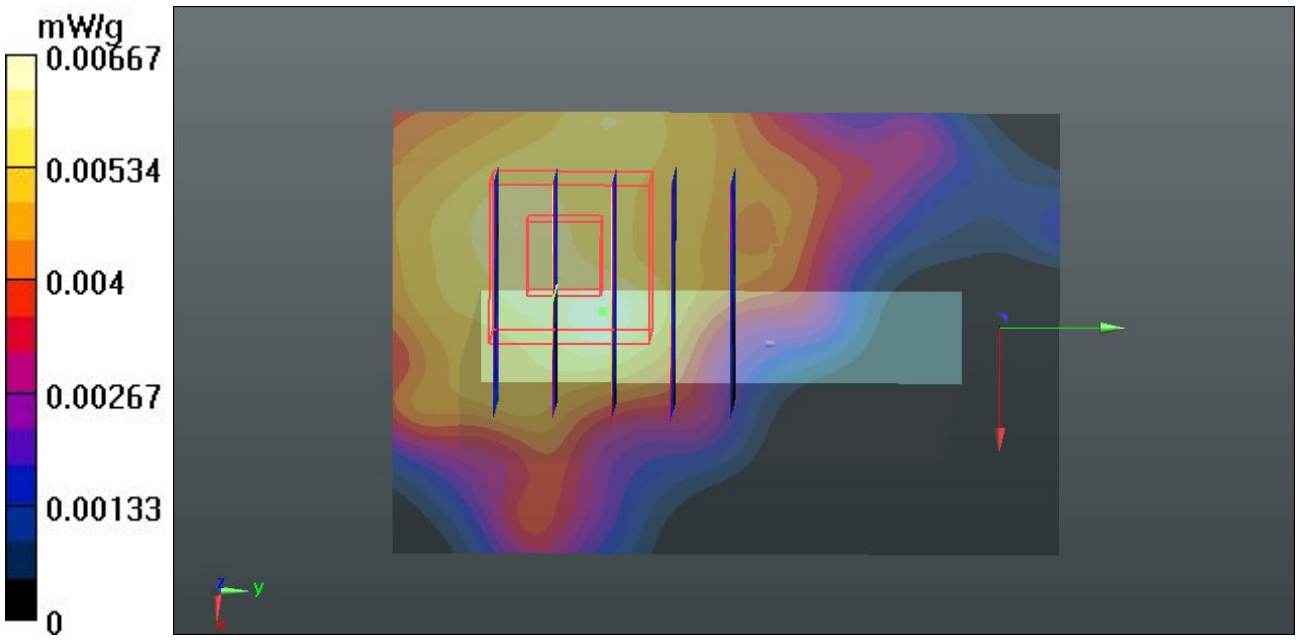
DUT: 222301

Communication System: WIFI; Frequency: 2437 MHz;Duty Cycle: 1:1
Medium: MSL_2450_120306 Medium parameters used: f = 2437 MHz; σ = 1.912 mho/m; ε_r = 54.01; ρ = 1000 kg/m^3
Ambient Temperature：23.6 ℃; Liquid Temperature：21.6 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3819; ConvF(7.4, 7.4, 7.4); 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)

Ch6/Area Scan (41x61x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.00667 mW/g

Ch6/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 0 V/m; Power Drift = 0.10 dB
Peak SAR (extrapolated) = 0.0150
SAR(1 g) = 0.00645 mW/g; SAR(10 g) = 0.00354 mW/g
Maximum value of SAR (measured) = 0.00713 mW/g



57 802.11b_Front_1.0cm_Ch6_Earphone

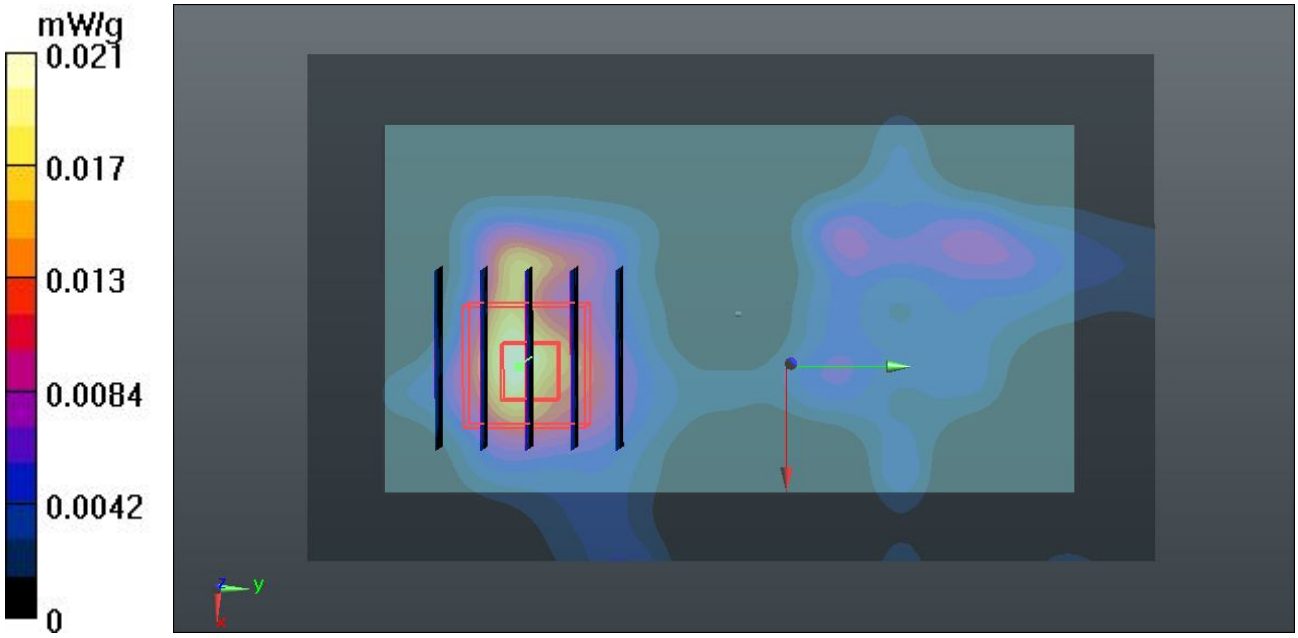
DUT: 222301

Communication System: WIFI; Frequency: 2437 MHz;Duty Cycle: 1:1
Medium: MSL_2450_120306 Medium parameters used: f = 2437 MHz; σ = 1.912 mho/m; ε_r = 54.01; ρ = 1000 kg/m^3
Ambient Temperature：23.6 ℃; Liquid Temperature：21.6 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3819; ConvF(7.4, 7.4, 7.4); 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)

Ch6/Area Scan (61x101x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.021 mW/g

Ch6/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 0.770 V/m; Power Drift = 0.08 dB
Peak SAR (extrapolated) = 0.0200
SAR(1 g) = 0.012 mW/g; SAR(10 g) = 0.00649 mW/g
Maximum value of SAR (measured) = 0.014 mW/g



58 802.11b_Back_1.0cm_Ch6_Earphone

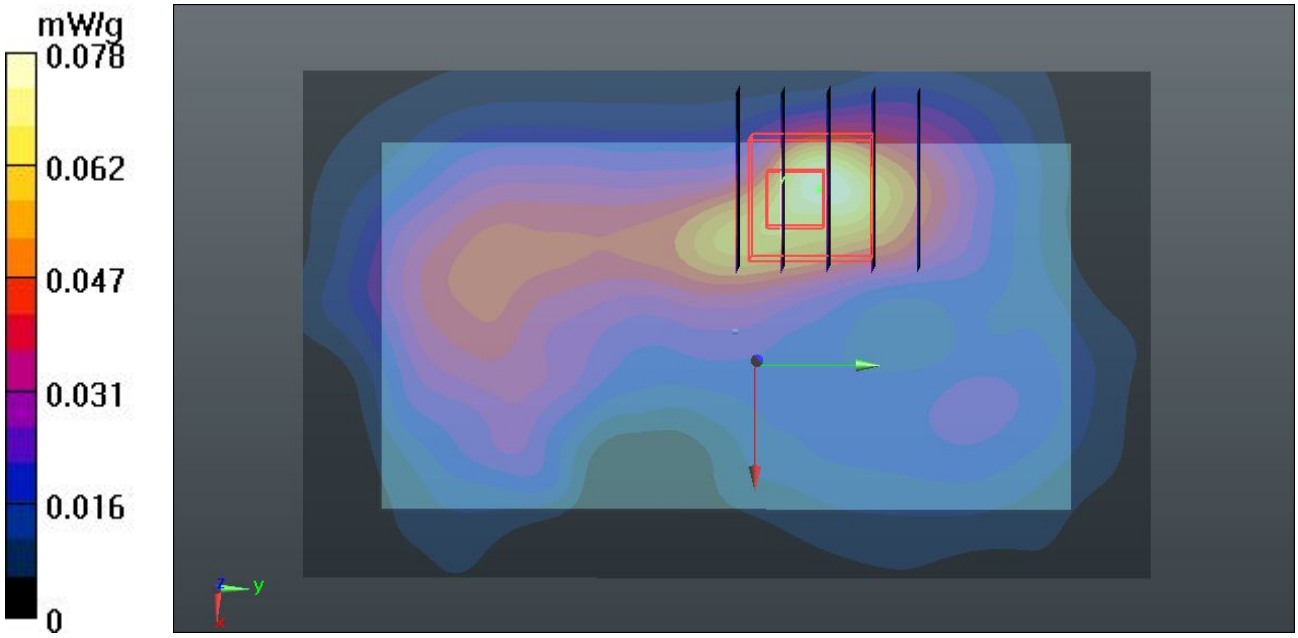
DUT: 222301

Communication System: WIFI; Frequency: 2437 MHz;Duty Cycle: 1:1
Medium: MSL_2450_120306 Medium parameters used: f = 2437 MHz; σ = 1.912 mho/m; ε_r = 54.01; ρ = 1000 kg/m^3
Ambient Temperature：23.6 ℃; Liquid Temperature：21.6 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3819; ConvF(7.4, 7.4, 7.4); 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)

Ch6/Area Scan (61x101x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.078 mW/g

Ch6/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 4.038 V/m; Power Drift = -0.10 dB
Peak SAR (extrapolated) = 0.1630
SAR(1 g) = 0.082 mW/g; SAR(10 g) = 0.039 mW/g
Maximum value of SAR (measured) = 0.089 mW/g



59 802.11g_Back_1.0cm_Ch6

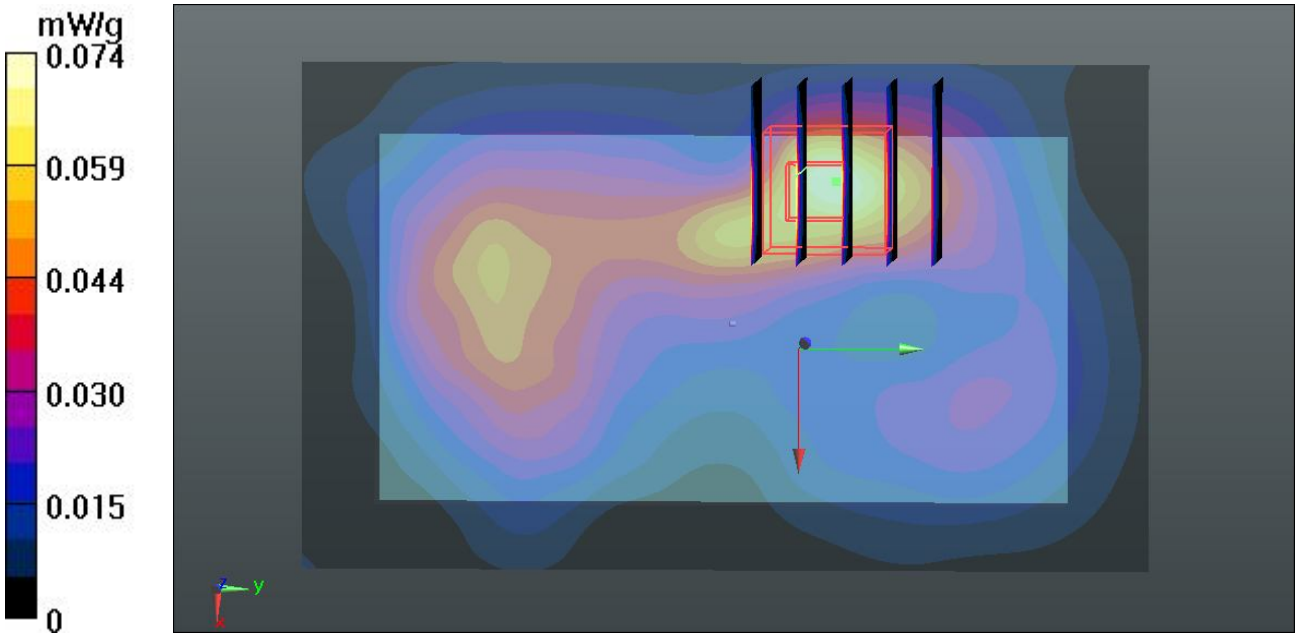
DUT: 222301

Communication System: WIFI; Frequency: 2437 MHz;Duty Cycle: 1:1
Medium: MSL_2450_120306 Medium parameters used: f = 2437 MHz; σ = 1.912 mho/m; ε_r = 54.01; ρ = 1000 kg/m^3
Ambient Temperature：23.6 ℃; Liquid Temperature：21.6 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3819; ConvF(7.4, 7.4, 7.4); 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)

Ch6/Area Scan (61x101x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.074 mW/g

Ch6/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 3.473 V/m; Power Drift = 0.07 dB
Peak SAR (extrapolated) = 0.1530
SAR(1 g) = 0.080 mW/g; SAR(10 g) = 0.037 mW/g
Maximum value of SAR (measured) = 0.087 mW/g



60 802.11n_Back_1.0cm_Ch6

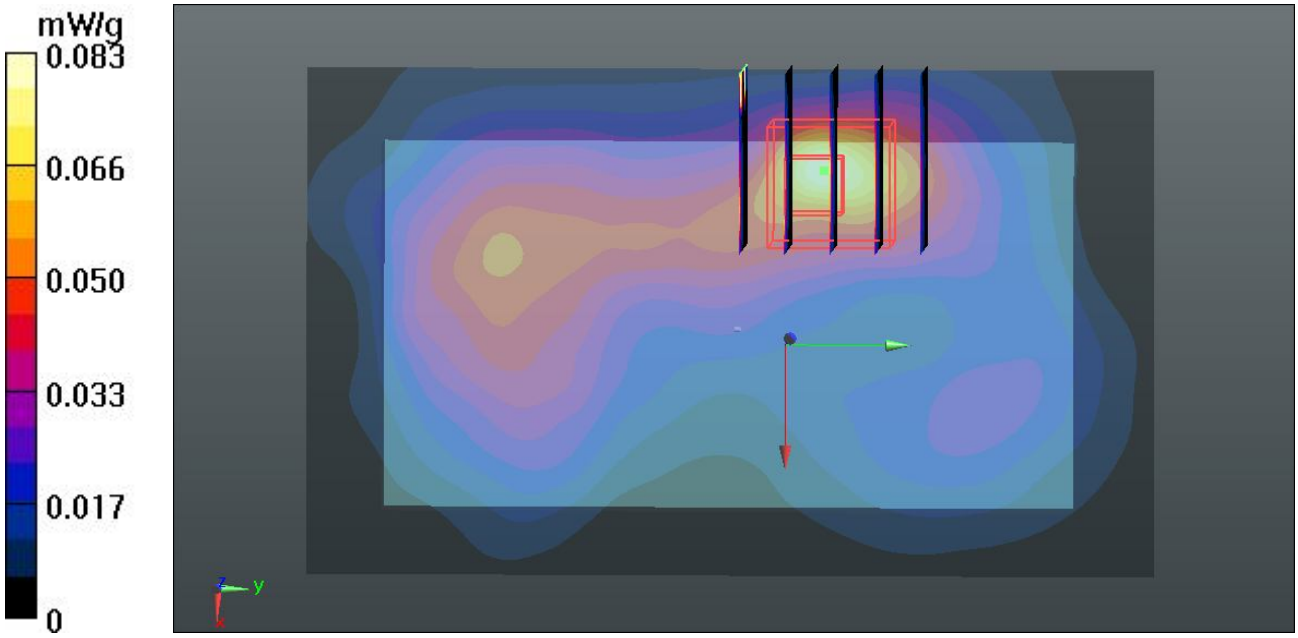
DUT: 222301

Communication System: WIFI; Frequency: 2437 MHz;Duty Cycle: 1:1
Medium: MSL_2450_120306 Medium parameters used: f = 2437 MHz; σ = 1.912 mho/m; ε_r = 54.01; ρ = 1000 kg/m^3
Ambient Temperature：23.6 ℃; Liquid Temperature：21.6 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3819; ConvF(7.4, 7.4, 7.4); 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)

Ch6/Area Scan (61x101x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.083 mW/g

Ch6/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 3.412 V/m; Power Drift = 0.10 dB
Peak SAR (extrapolated) = 0.2130
SAR(1 g) = 0.082 mW/g; SAR(10 g) = 0.038 mW/g
Maximum value of SAR (measured) = 0.213 mW/g



67 BT_Back_1.0cm_Ch39_Earphone

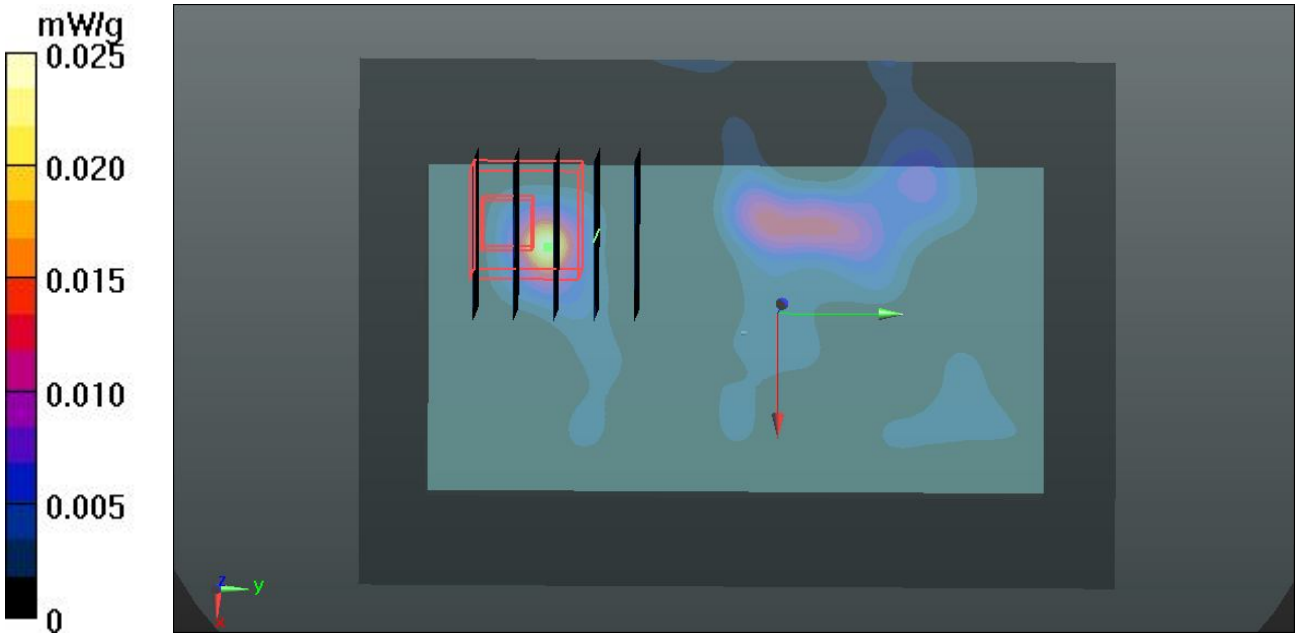
DUT: 222301

Communication System: Bluetooth; Frequency: 2441 MHz;Duty Cycle: 1:3.12
Medium: MSL_2450_120306 Medium parameters used: f = 2441 MHz; σ = 1.919 mho/m; ε_r = 54; ρ = 1000 kg/m^3
Ambient Temperature：23.6 ℃; Liquid Temperature：21.6 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3819; ConvF(7.4, 7.4, 7.4); 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)

Ch39/Area Scan (71x101x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.025 mW/g

Ch39/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 0.761 V/m; Power Drift = -0.07 dB
Peak SAR (extrapolated) = 0.0230
SAR(1 g) = 0.00498 mW/g; SAR(10 g) = 0.00179 mW/g
Maximum value of SAR (measured) = 0.00511 mW/g



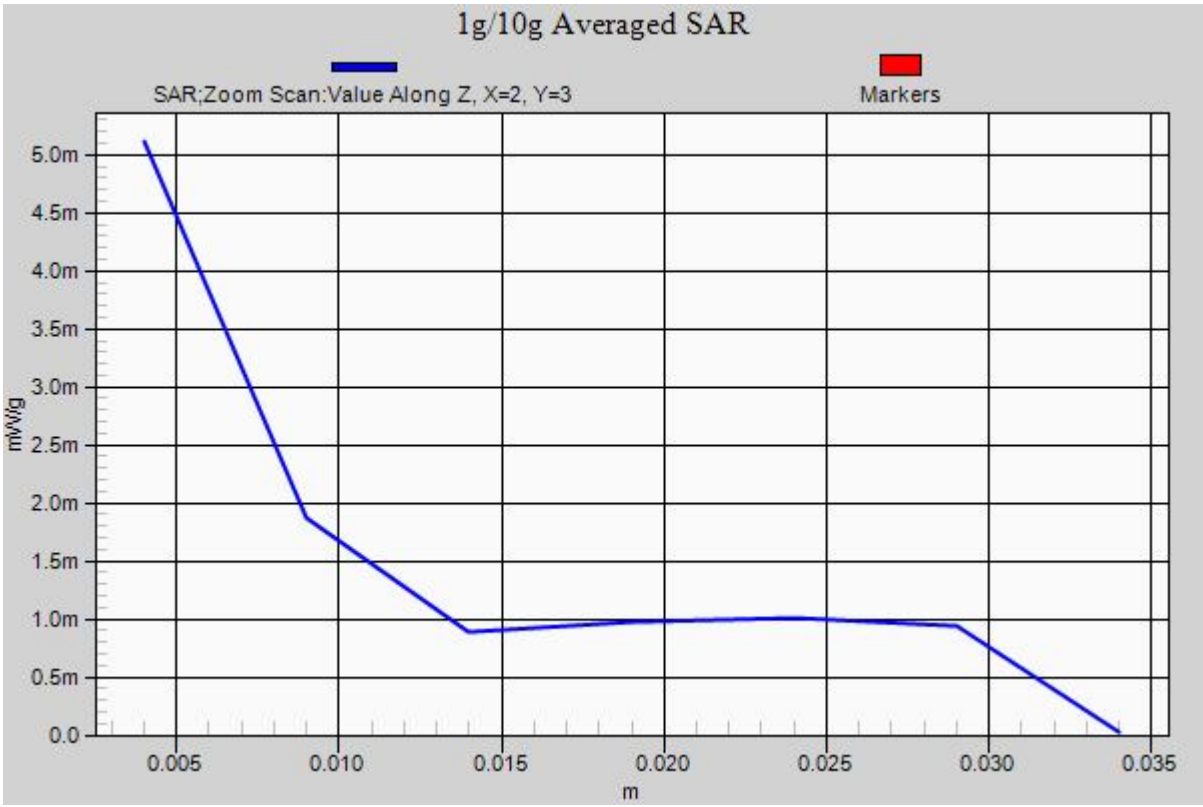
Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab Date: 06.03.2012

67 BT_Back_1.0cm_Ch39_Earphone_2D

DUT: 222301

Communication System: Bluetooth; Frequency: 2441 MHz;Duty Cycle: 1:3.12
Medium: MSL_2450_120306 Medium parameters used: f = 2441 MHz; σ = 1.919 mho/m; ε_r = 54; ρ = 1000 kg/m^3
Ambient Temperature：23.6 ℃; Liquid Temperature：21.6 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3819; ConvF(7.4, 7.4, 7.4); 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)

Ch39/Area Scan (71x101x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.025 mW/g

Ch39/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 0.761 V/m; Power Drift = -0.07 dB
Peak SAR (extrapolated) = 0.0230
SAR(1 g) = 0.00498 mW/g; SAR(10 g) = 0.00179 mW/g
Maximum value of SAR (measured) = 0.00511 mW/g