Appendix A. Plots of System Performance Check

The plots are shown as follows.

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab Date: 23.04.2012

System Check_Head_835MHz_120423

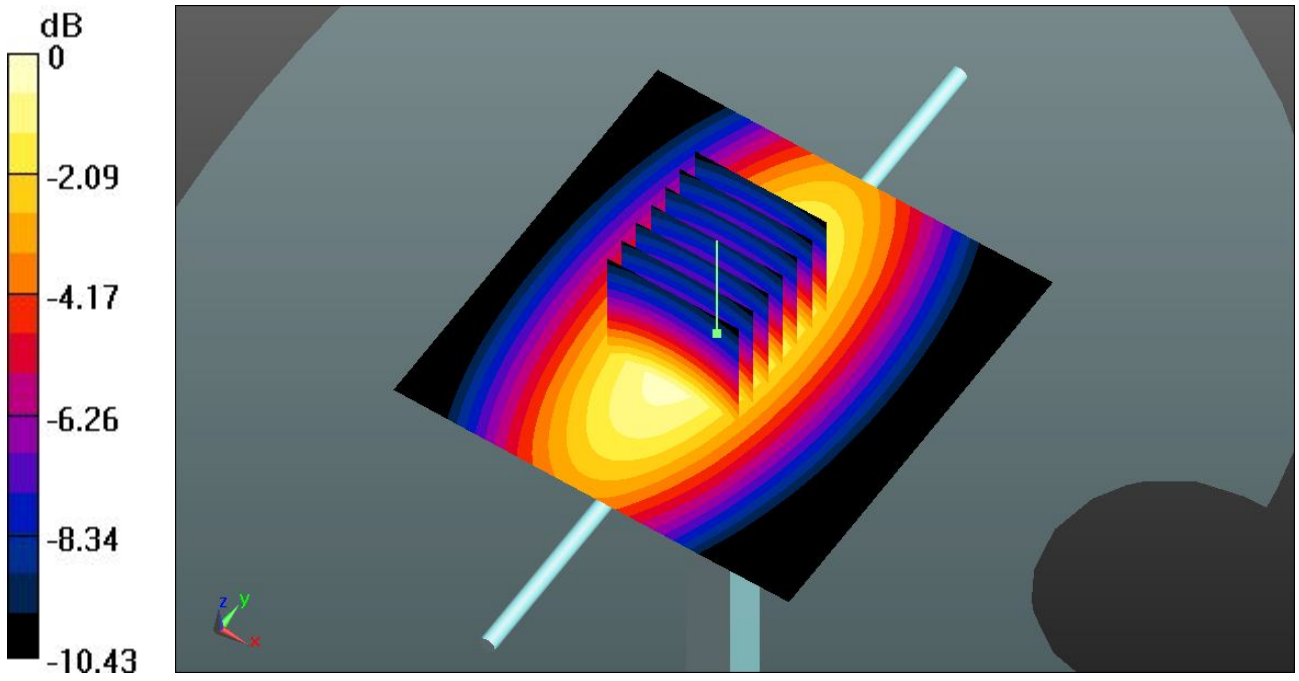
DUT: D835V2 - SN: 4d091

Communication System: CW; Frequency: 835 MHz;Duty Cycle: 1:1
Medium: HSL_835_120423 Medium parameters used: f = 835 MHz; σ = 0.897 mho/m; ε_r = 40.781; ρ = 1000 kg/m^3
Ambient Temperature：23.6 ℃; Liquid Temperature：21.6 ℃

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

Pin=250mW/Area Scan (61x61x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 2.501 mW/g

Pin=250mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 52.711 V/m; Power Drift = -0.01 dB
Peak SAR (extrapolated) = 3.5070
SAR(1 g) = 2.33 mW/g; SAR(10 g) = 1.52 mW/g
Maximum value of SAR (measured) = 2.505 mW/g



0 dB = 2.510mW/g = 7.99 dB mW/g

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab Date: 23.04.2012

System Check_Body_835MHz_120423

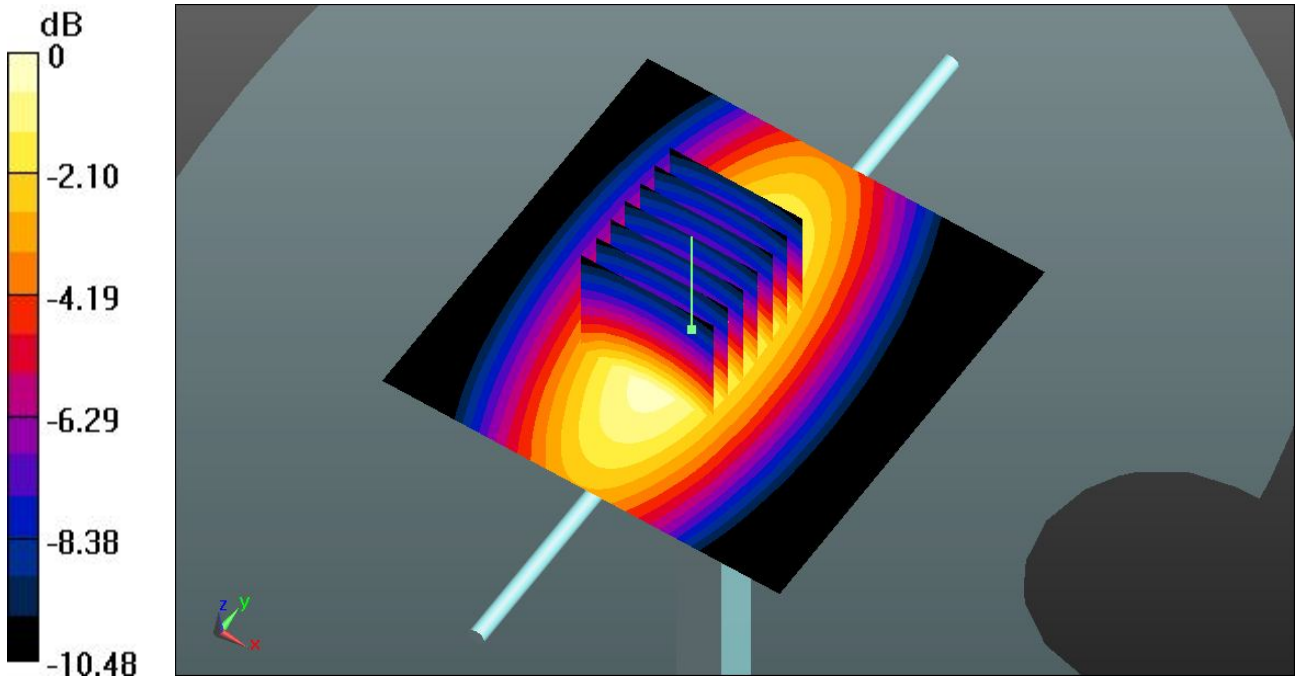
DUT: D835V2 - SN: 4d091

Communication System: CW; Frequency: 835 MHz;Duty Cycle: 1:1
Medium: MSL_835_120423 Medium parameters used: f = 835 MHz; σ = 0.976 mho/m; ε_r = 54.382; ρ = 1000 kg/m^3
Ambient Temperature：23.4 ℃; Liquid Temperature：21.5 ℃

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

Pin=250mW/Area Scan (61x61x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 2.697 mW/g

Pin=250mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 52.188 V/m; Power Drift = 0.02 dB
Peak SAR (extrapolated) = 3.8130
SAR(1 g) = 2.51 mW/g; SAR(10 g) = 1.63 mW/g
Maximum value of SAR (measured) = 2.709 mW/g



0 dB = 2.710mW/g = 8.66 dB mW/g

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab Date: 20.04.2012

System Check_Head_1800MHz_120420

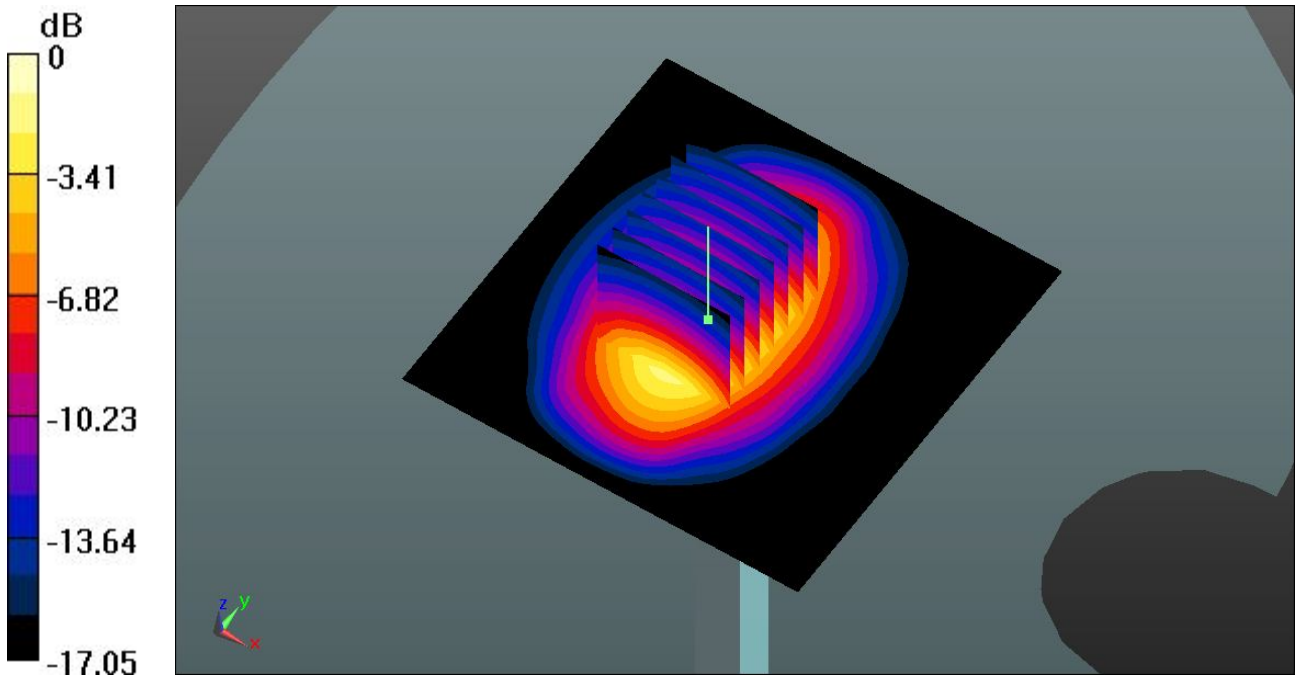
DUT: D1800V2 - SN: 2d177

Communication System: CW; Frequency: 1800 MHz;Duty Cycle: 1:1
Medium: HSL_1800_120420 Medium parameters used: f = 1800 MHz; σ = 1.437 mho/m; ε_r = 41.098; ρ = 1000 kg/m^3
Ambient Temperature：23.7 ℃; Liquid Temperature：21.7 ℃

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)

Pin=250mW/Area Scan (61x61x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 11.519 mW/g

Pin=250mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 84.373 V/m; Power Drift = 0.0089 dB
Peak SAR (extrapolated) = 18.5830
SAR(1 g) = 10 mW/g; SAR(10 g) = 5.25 mW/g
Maximum value of SAR (measured) = 11.257 mW/g



0 dB = 11.260mW/g = 21.03 dB mW/g

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab Date: 22.04.2012

System Check_Body_1800MHz_120422

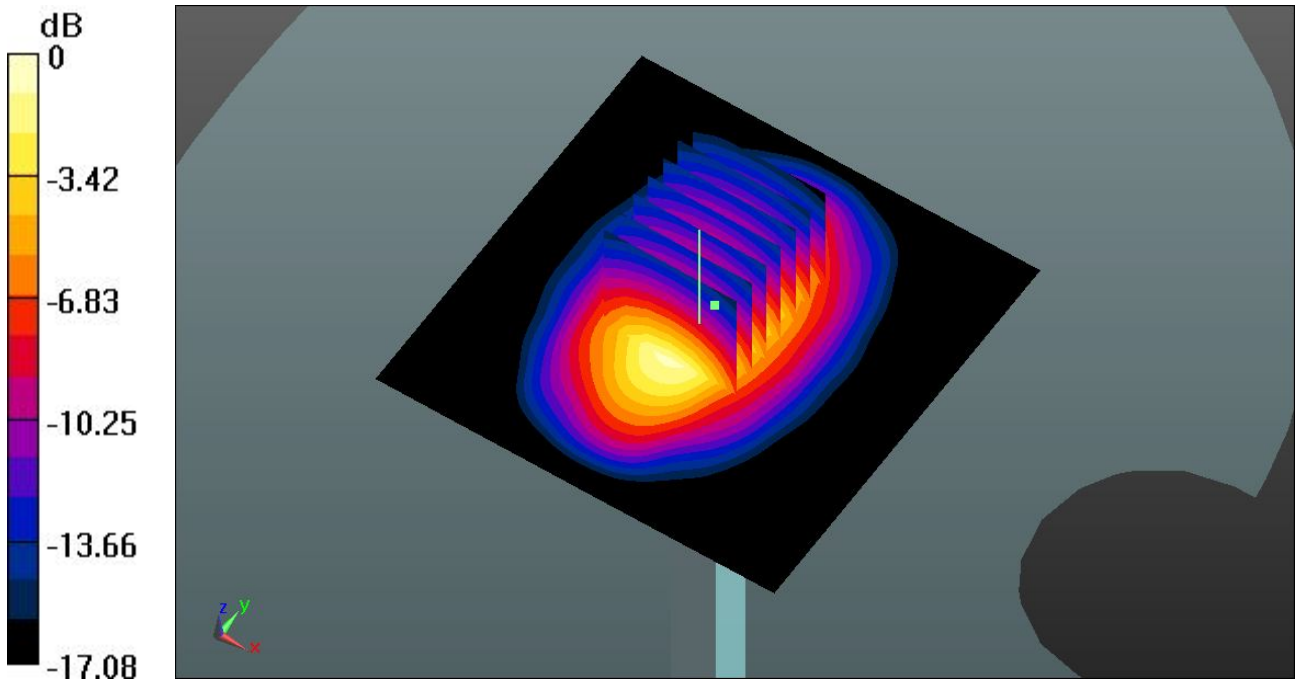
DUT: D1800V2 - SN: 2d177

Communication System: CW; Frequency: 1800 MHz;Duty Cycle: 1:1
Medium: MSL_1800_120422 Medium parameters used: f = 1800 MHz; σ = 1.576 mho/m; ε_r = 53.977; ρ = 1000 kg/m^3
Ambient Temperature：23.3 ℃; Liquid Temperature：21.4 ℃

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)

Pin=250mW/Area Scan (61x61x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 11.798 mW/g

Pin=250mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 85.131 V/m; Power Drift = -0.01 dB
Peak SAR (extrapolated) = 18.7190
SAR(1 g) = 10.3 mW/g; SAR(10 g) = 5.38 mW/g
Maximum value of SAR (measured) = 11.551 mW/g



0 dB = 11.550mW/g = 21.25 dB mW/g

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab Date: 21.04.2012

System Check_Head_1800MHz_120421

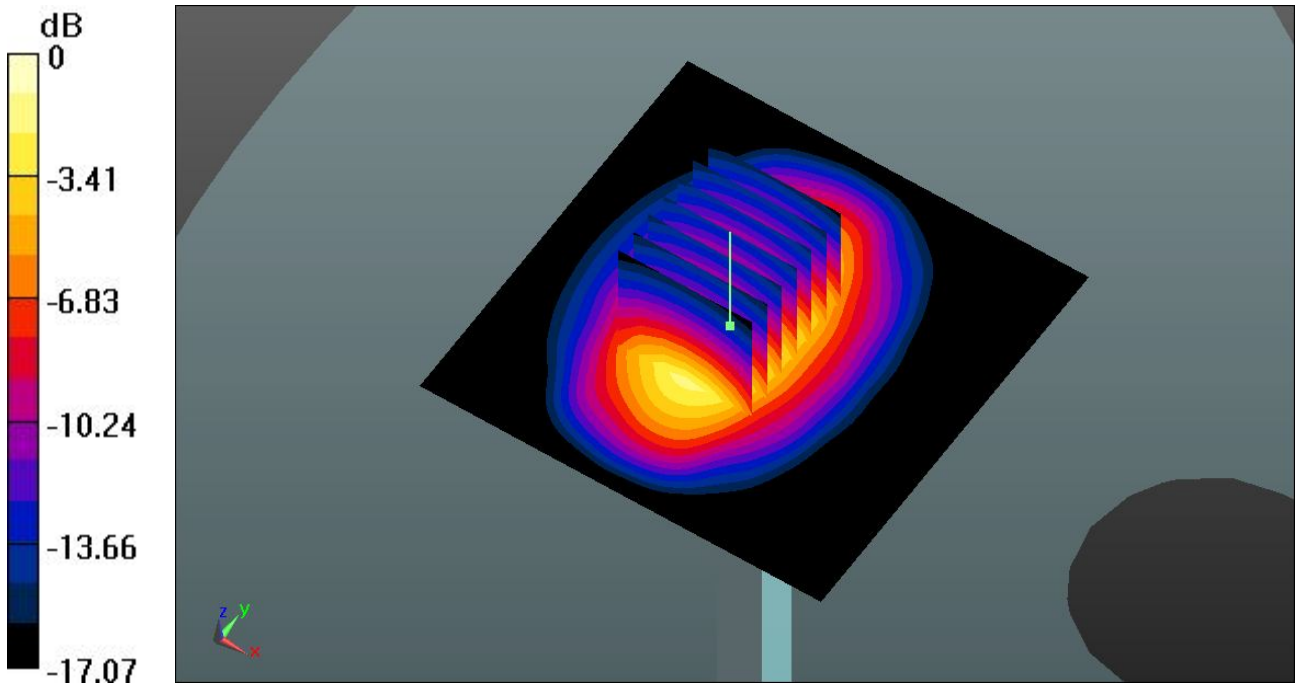
DUT: D1800V2 - SN: 2d177

Communication System: CW; Frequency: 1800 MHz;Duty Cycle: 1:1
Medium: HSL_1800_120421 Medium parameters used: f = 1800 MHz; σ = 1.437 mho/m; ε_r = 41.296; ρ = 1000 kg/m^3
Ambient Temperature：23.5 ℃; Liquid Temperature：21.6 ℃

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)

Pin=250mW/Area Scan (61x61x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 11.236 mW/g

Pin=250mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 83.282 V/m; Power Drift = 0.02 dB
Peak SAR (extrapolated) = 18.1300
SAR(1 g) = 9.77 mW/g; SAR(10 g) = 5.11 mW/g
Maximum value of SAR (measured) = 10.975 mW/g



0 dB = 10.980mW/g = 20.81 dB mW/g

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab Date: 24.04.2012

System Check_Body_1800MHz_120424

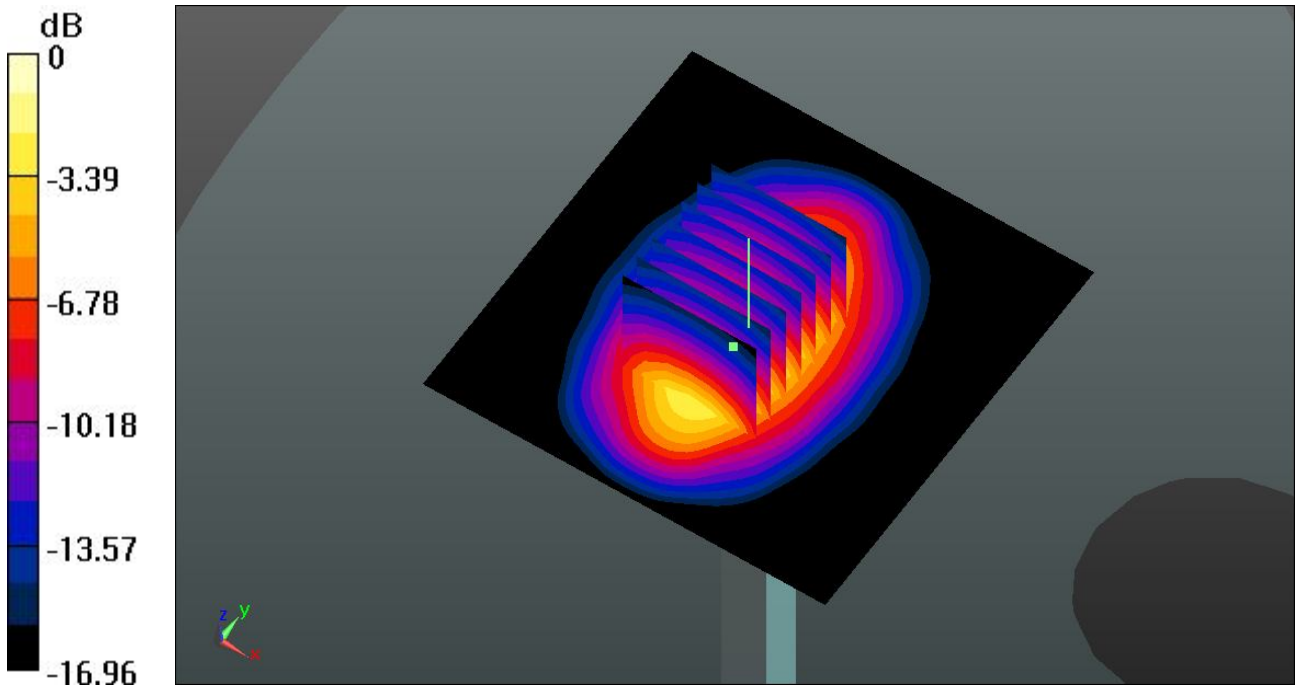
DUT: D1800V2 - SN: 2d177

Communication System: CW; Frequency: 1800 MHz;Duty Cycle: 1:1
Medium: MSL_1800_120424 Medium parameters used: f = 1800 MHz; σ = 1.571 mho/m; ε_r = 55.608; ρ = 1000 kg/m^3
Ambient Temperature：23.6 ℃; Liquid Temperature：21.6 ℃

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)

Pin=250mW/Area Scan (61x61x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 11.862 mW/g

Pin=250mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 84.554 V/m; Power Drift = 0.0053 dB
Peak SAR (extrapolated) = 18.6120
SAR(1 g) = 10.2 mW/g; SAR(10 g) = 5.38 mW/g
Maximum value of SAR (measured) = 11.502 mW/g



0 dB = 11.500mW/g = 21.21 dB mW/g

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab Date: 23.04.2012

System Check_Head_1800MHz_120423

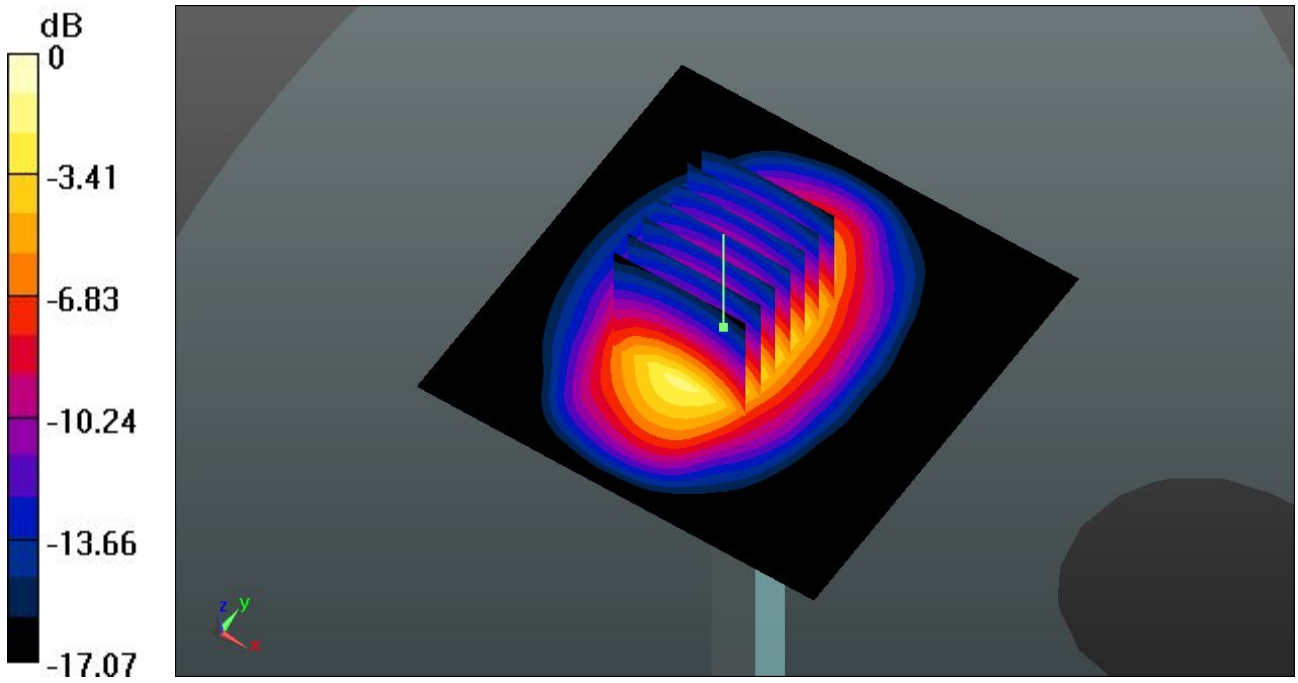
DUT: D1800V2 - SN: 2d177

Communication System: CW; Frequency: 1800 MHz;Duty Cycle: 1:1
Medium: HSL_1800_120423 Medium parameters used: f = 1800 MHz; σ = 1.443 mho/m; ε_r = 41.041; ρ = 1000 kg/m^3
Ambient Temperature：23.5 ℃; 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: SAM1; Type: QD000P40CD; Serial: TP:1670
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.6.4 (4989)

Pin=250mW/Area Scan (61x61x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 11.284 mW/g

Pin=250mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 83.282 V/m; Power Drift = 0.02 dB
Peak SAR (extrapolated) = 18.2060
SAR(1 g) = 9.81 mW/g; SAR(10 g) = 5.14 mW/g
Maximum value of SAR (measured) = 11.022 mW/g



0 dB = 11.020mW/g = 20.84 dB mW/g

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab Date: 20.04.2012

System Check_Head_1900MHz_120420

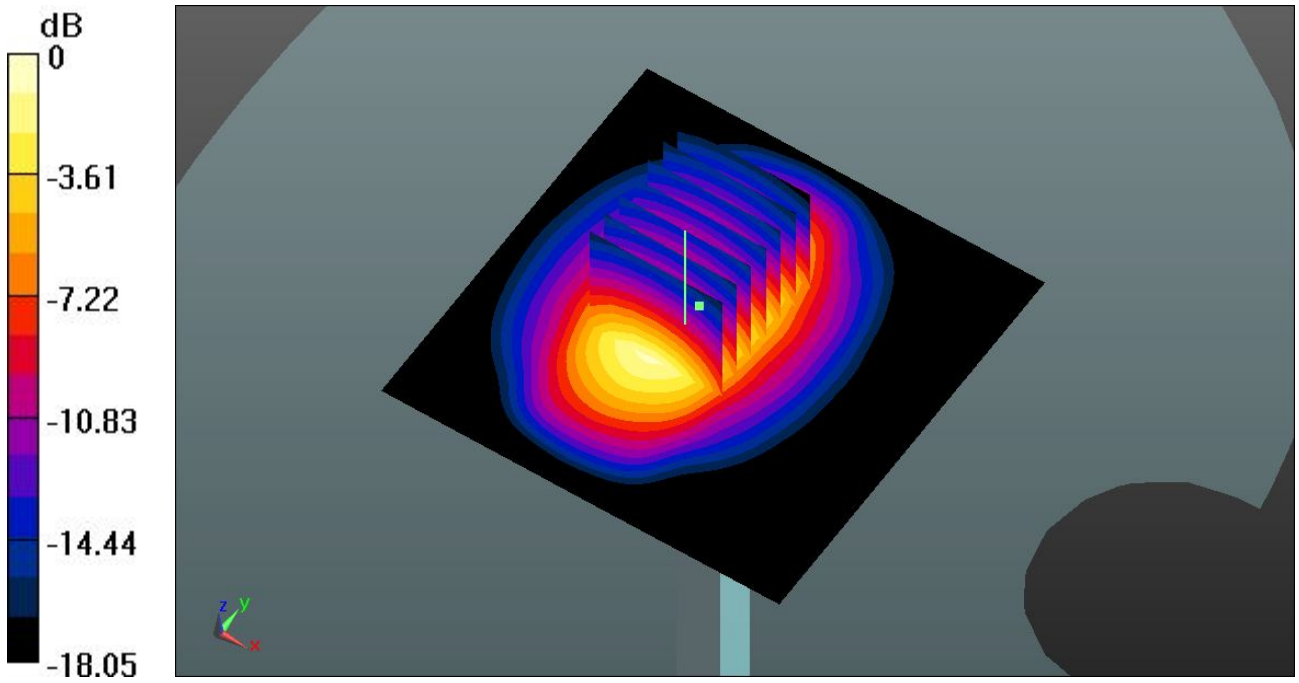
DUT: D1900V2 - SN: 5d118

Communication System: CW; Frequency: 1900 MHz;Duty Cycle: 1:1
Medium: HSL_1900_120420 Medium parameters used: f = 1900 MHz; σ = 1.427 mho/m; ε_r = 41.191; ρ = 1000 kg/m^3
Ambient Temperature：23.4 ℃; Liquid Temperature：21.6 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3819; ConvF(8.36, 8.36, 8.36); Calibrated: 16.11.2011
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1303; Calibrated: 10.11.2011
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1670
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.6.4 (4989)

Pin=250mW/Area Scan (61x61x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 12.505 mW/g

Pin=250mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 79.975 V/m; Power Drift = -0.02 dB
Peak SAR (extrapolated) = 19.9920
SAR(1 g) = 10.6 mW/g; SAR(10 g) = 5.49 mW/g
Maximum value of SAR (measured) = 11.854 mW/g



0 dB = 11.850mW/g = 21.47 dB mW/g

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab Date: 21.04.2012

System Check_Body_1900MHz_120421

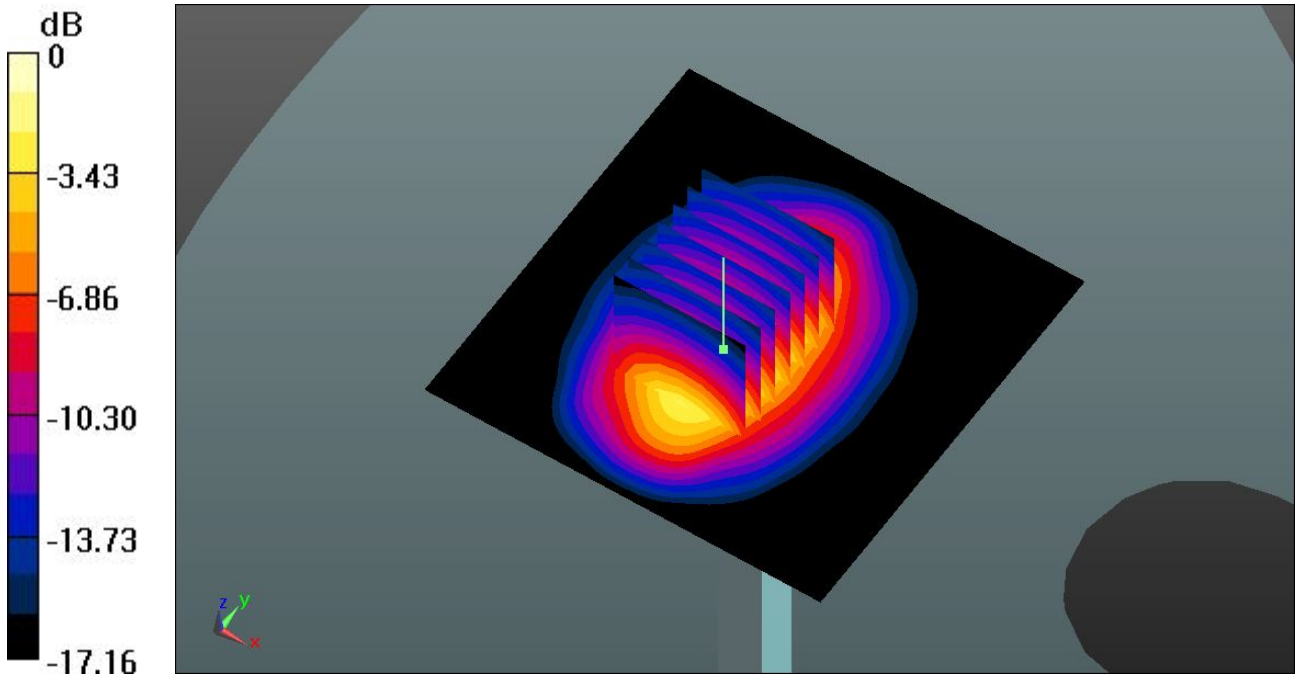
DUT: D1900V2 - SN: 5d118

Communication System: CW; Frequency: 1900 MHz;Duty Cycle: 1:1
Medium: MSL_1900_120421 Medium parameters used: f = 1900 MHz; σ = 1.535 mho/m; ε_r = 54.565; ρ = 1000 kg/m^3
Ambient Temperature：23.5 ℃; Liquid Temperature：21.5 ℃

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)

Pin=250mW/Area Scan (61x61x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 12.616 mW/g

Pin=250mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 86.630 V/m; Power Drift = 0.10 dB
Peak SAR (extrapolated) = 20.1270
SAR(1 g) = 11 mW/g; SAR(10 g) = 5.74 mW/g
Maximum value of SAR (measured) = 12.264 mW/g



0 dB = 12.260mW/g = 21.77 dB mW/g

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab Date: 23.04.2012

System Check_Head_1900MHz_120423

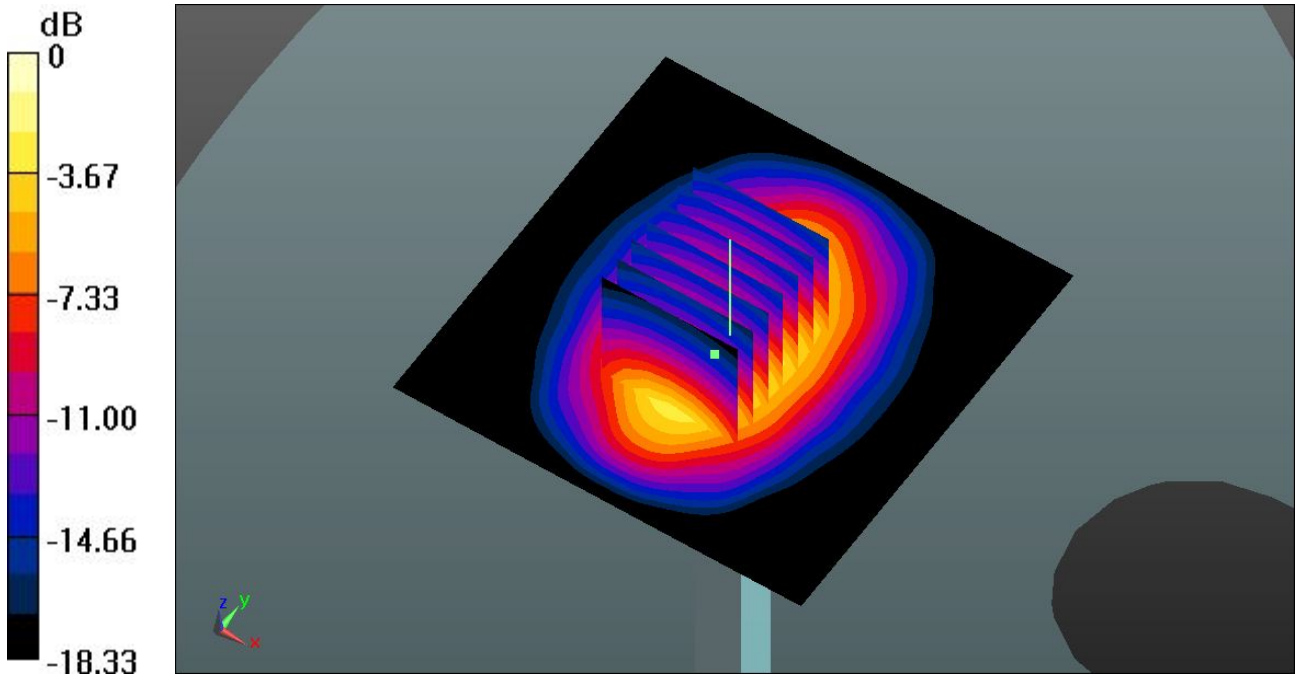
DUT: D1900V2 - SN: 5d118

Communication System: CW; Frequency: 1900 MHz;Duty Cycle: 1:1
Medium: HSL_1900_120423 Medium parameters used: f = 1900 MHz; σ = 1.407 mho/m; ε_r = 39.644; ρ = 1000 kg/m^3
Ambient Temperature：23.3 ℃; Liquid Temperature：21.3 ℃

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)

Pin=250mW/Area Scan (61x61x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 11.156 mW/g

Pin=250mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 88.450 V/m; Power Drift = -0.01 dB
Peak SAR (extrapolated) = 18.2900
SAR(1 g) = 9.76 mW/g; SAR(10 g) = 5.07 mW/g
Maximum value of SAR (measured) = 11.001 mW/g



0 dB = 11.000mW/g = 20.83 dB mW/g

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab Date: 24.04.2012

System Check_Body_1900MHz_120424

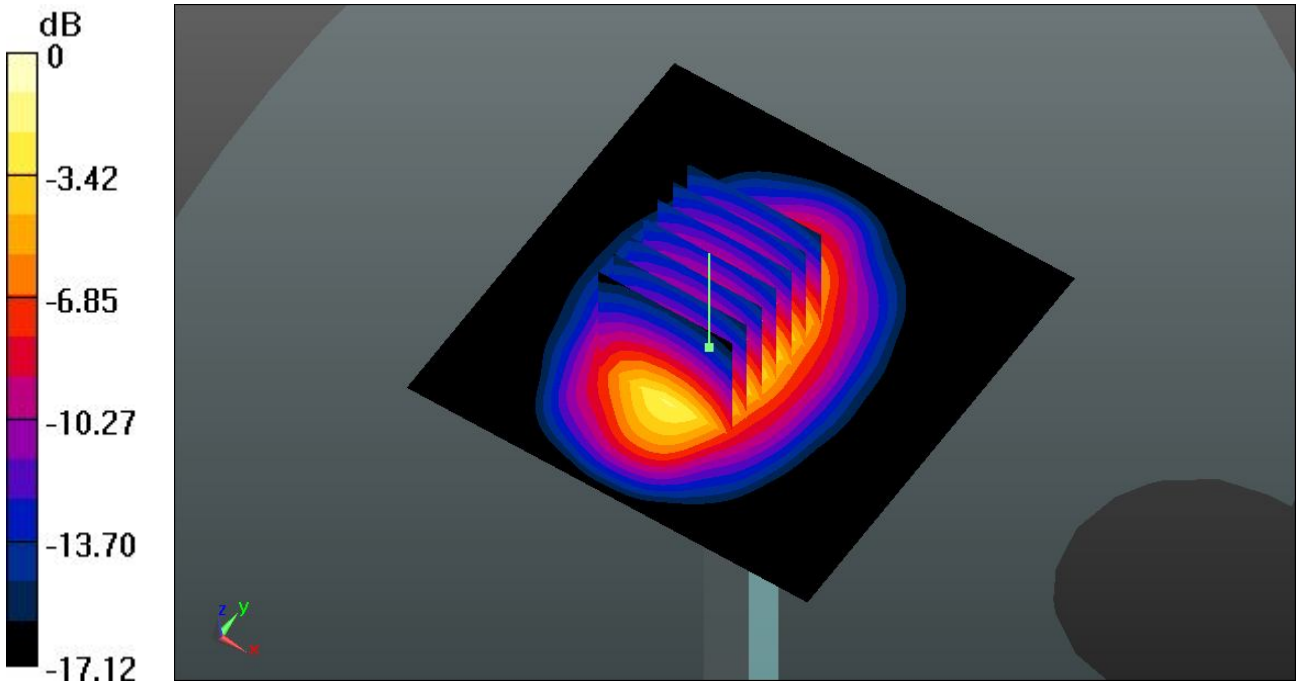
DUT: D1900V2 - SN: 5d118

Communication System: CW; Frequency: 1900 MHz;Duty Cycle: 1:1
Medium: MSL_1900_120424 Medium parameters used: f = 1900 MHz; σ = 1.532 mho/m; ε_r = 52.397; ρ = 1000 kg/m^3
Ambient Temperature：23.5 ℃; Liquid Temperature：21.5 ℃

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

Pin=250mW/Area Scan (61x61x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 12.470 mW/g

Pin=250mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 86.036 V/m; Power Drift = -0.04 dB
Peak SAR (extrapolated) = 19.3160
SAR(1 g) = 10.5 mW/g; SAR(10 g) = 5.5 mW/g
Maximum value of SAR (measured) = 11.753 mW/g



0 dB = 11.750mW/g = 21.40 dB mW/g

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab Date: 2012-5-5

System Check_Head_2450MHz_120505

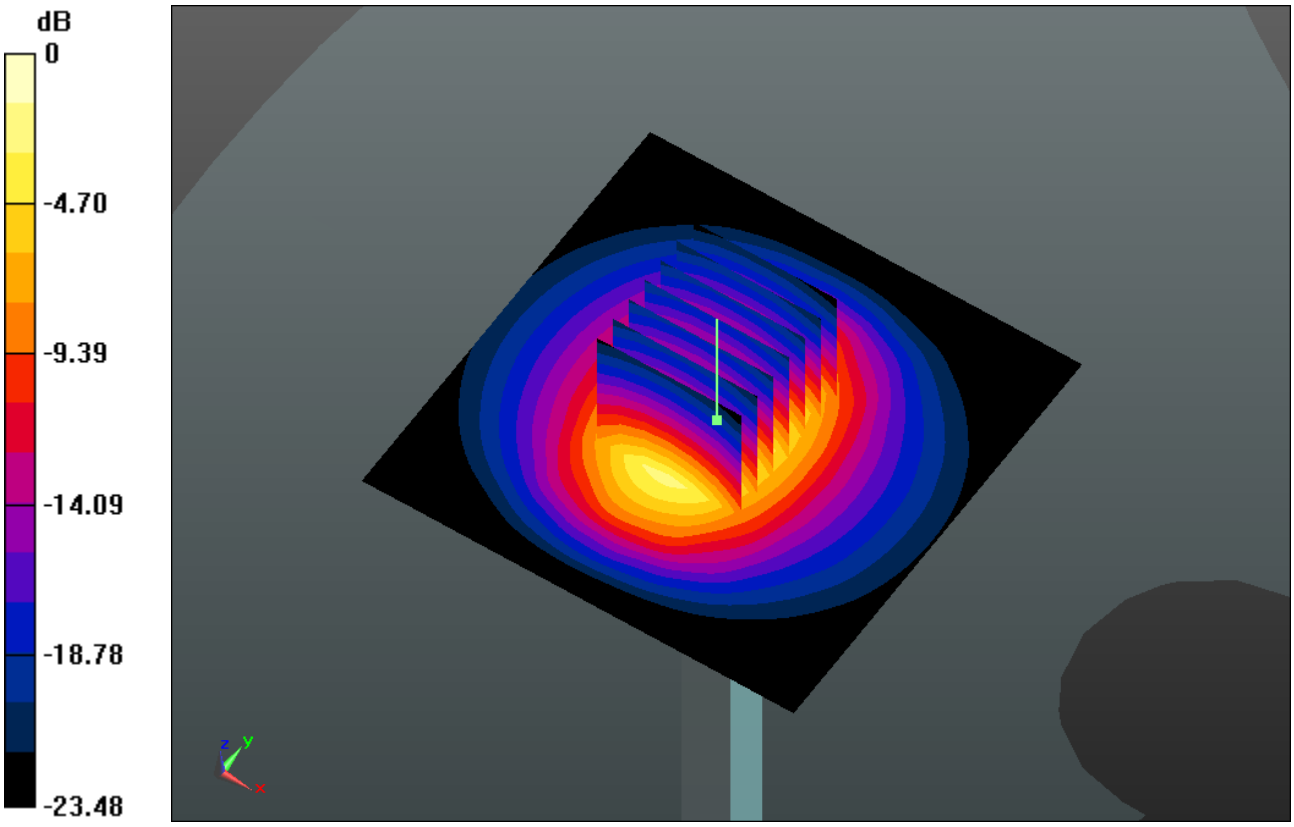
DUT: D2450V2 - SN: 736

Communication System: CW; Frequency: 2450 MHz;Duty Cycle: 1:1
Medium: HSL_2450_120505 Medium parameters used: f = 2450 MHz; σ = 1.825 mho/m; ε_r = 39.664; ρ = 1000 kg/m^3
Ambient Temperature：23.2 ℃； Liquid Temperature：21.1 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3697; ConvF(6.67, 6.67, 6.67); Calibrated: 2011-9-2
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18
- Phantom: SAM2; Type: SAM; Serial: TP-1477
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

Pin=250mW/Area Scan (91x91x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 16.494 mW/g

Pin=250mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 93.481 V/m; Power Drift = -0.02 dB
Peak SAR (extrapolated) = 31.413 W/kg
SAR(1 g) = 14.1 mW/g; SAR(10 g) = 6.33 mW/g
Maximum value of SAR (measured) = 16.047 mW/g



0 dB = 16.050mW/g

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab Date: 2012-5-5

System Check_Body_2450MHz_120505

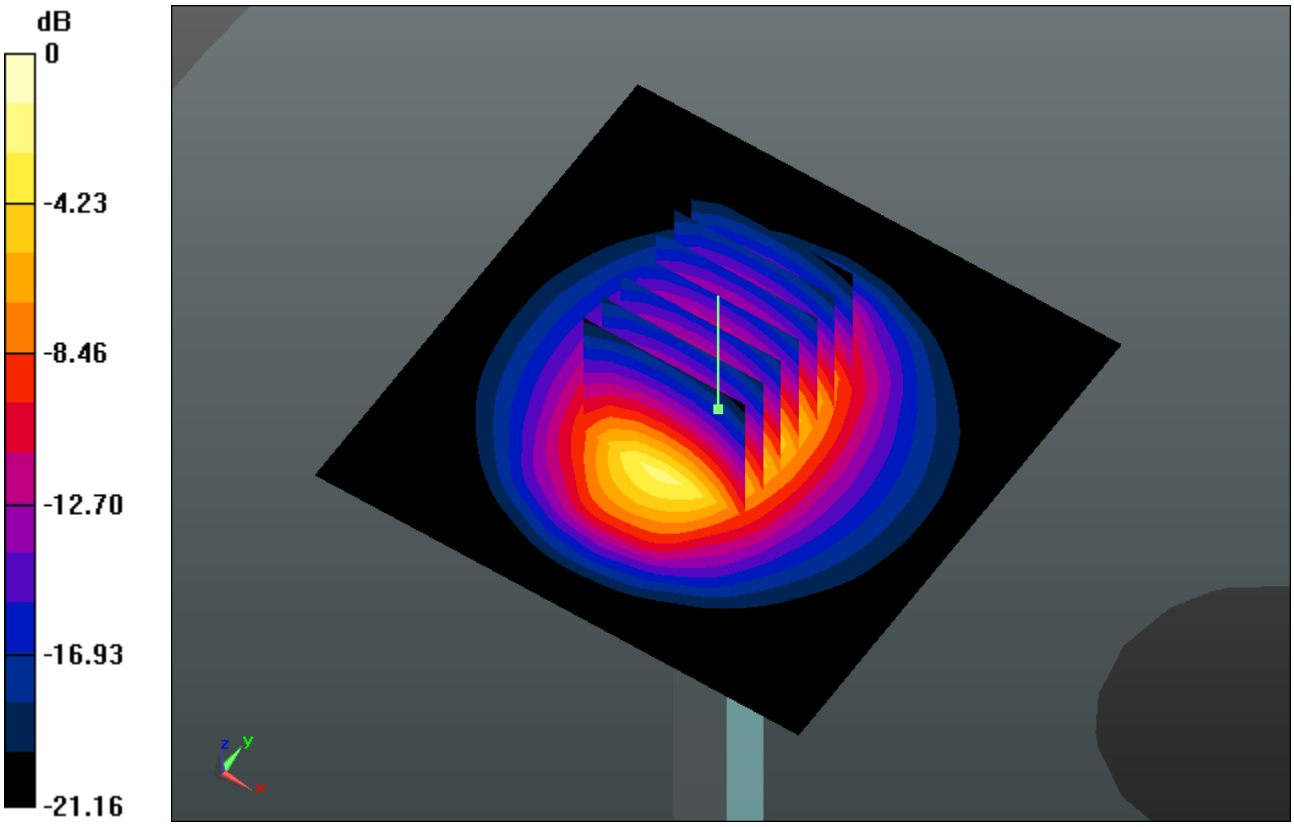
DUT: D2450V2 - SN: 736

Communication System: CW; Frequency: 2450 MHz;Duty Cycle: 1:1
Medium: MSL_2450_120505 Medium parameters used: f = 2450 MHz; σ = 2.002 mho/m; ε_r = 53.464; ρ = 1000 kg/m^3
Ambient Temperature：23.3 ℃； Liquid Temperature：21.2 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3697; ConvF(6.73, 6.73, 6.73); Calibrated: 2011-9-2
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18
- Phantom: SAM1; Type: SAM; Serial: TP-1479
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

Pin=250mW/Area Scan (91x91x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 16.280 mW/g

Pin=250mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 88.365 V/m; Power Drift = -0.02 dB
Peak SAR (extrapolated) = 27.536 W/kg
SAR(1 g) = 13.6 mW/g; SAR(10 g) = 6.32 mW/g
Maximum value of SAR (measured) = 15.543 mW/g



0 dB = 15.540mW/g