Appendix A. Plots of System Performance Check

The plots are shown as follows.

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab Date: 21.03.2012

System Check_Head_835MHz

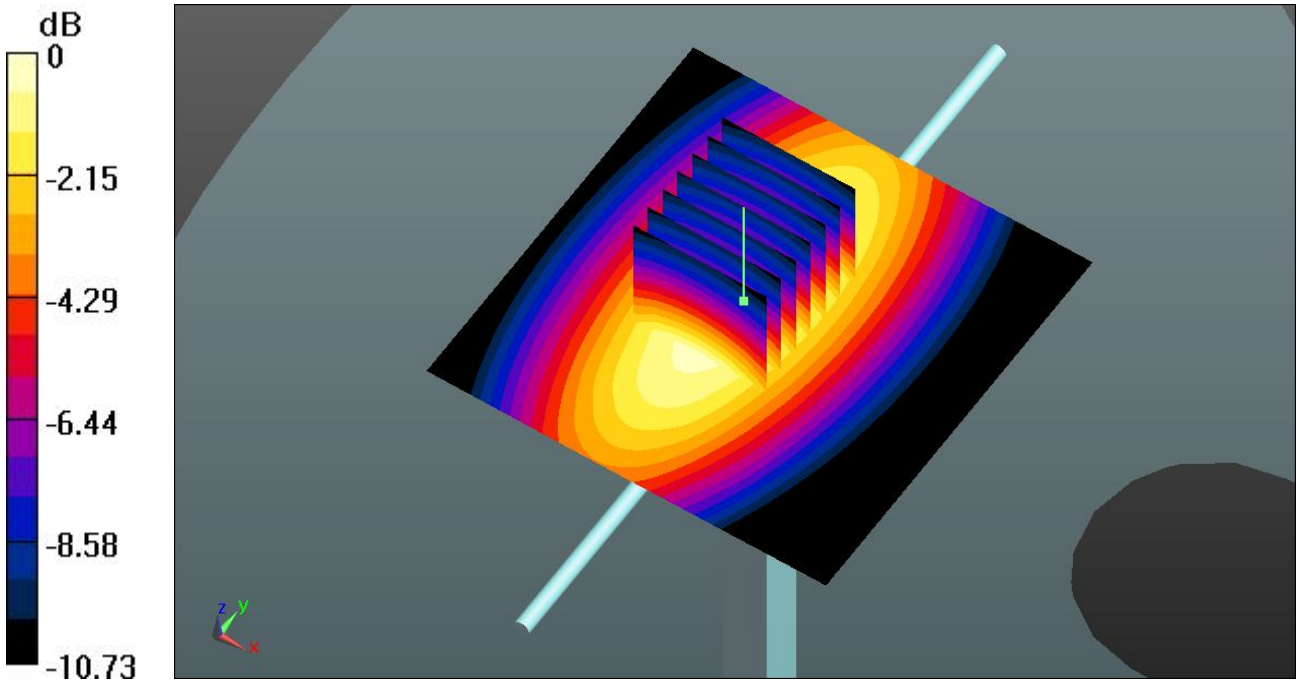
DUT: D835V2 - SN: 4d091

Communication System: CW; Frequency: 835 MHz;Duty Cycle: 1:1
Medium: HSL_835_120321 Medium parameters used: f = 835 MHz; σ = 0.9 mho/m; ε_r = 41.538; ρ = 1000 kg/m^3
Ambient Temperature：23.4 ℃; Liquid Temperature：21.2 ℃

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)

Pin=250mW/Area Scan (61x61x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 2.575 mW/g

Pin=250mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 52.192 V/m; Power Drift = 0.02 dB
Peak SAR (extrapolated) = 3.6780
SAR(1 g) = 2.41 mW/g; SAR(10 g) = 1.56 mW/g
Maximum value of SAR (measured) = 2.602 mW/g



0 dB = 2.600mW/g = 8.30 dB mW/g

System Check_Body_835MHz

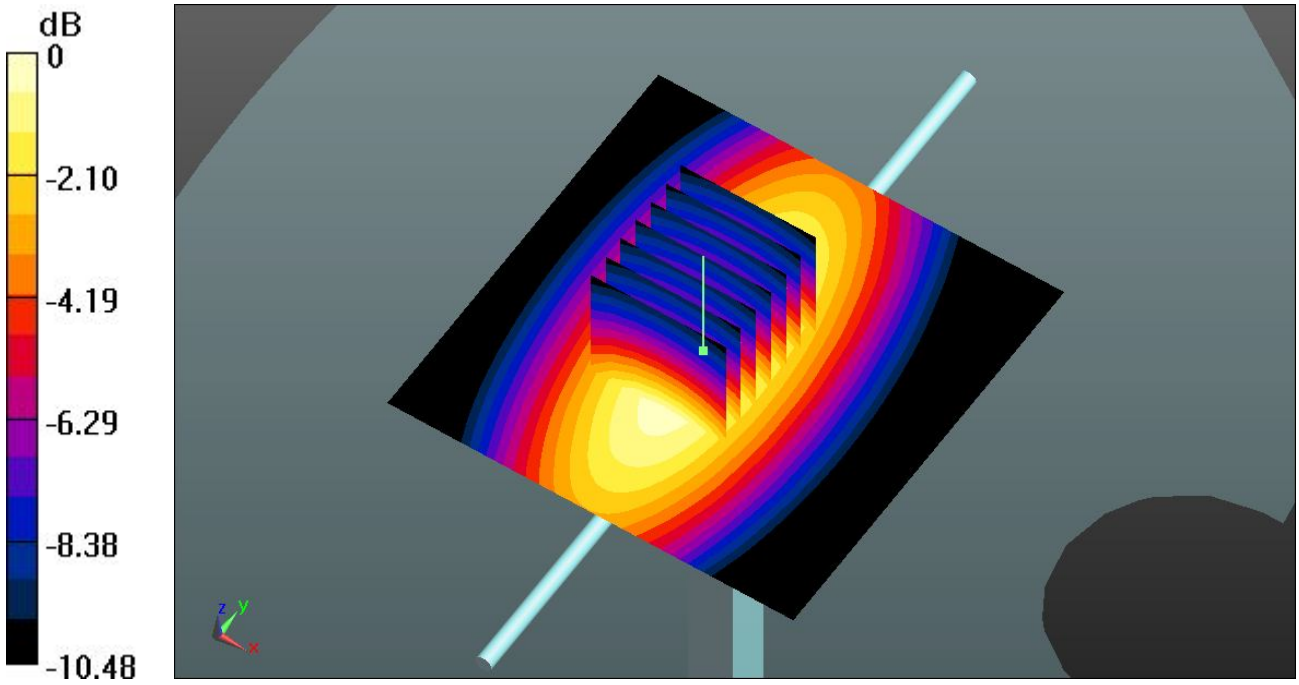
DUT: D835V2 - SN: 4d091

Communication System: CW; Frequency: 835 MHz;Duty Cycle: 1:1
Medium: MSL_835_120321 Medium parameters used: f = 835 MHz; σ = 0.974 mho/m; ε_r = 54.111; 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: 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) = 2.691 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) = 3.8040
SAR(1 g) = 2.5 mW/g; SAR(10 g) = 1.63 mW/g
Maximum value of SAR (measured) = 2.703 mW/g



0 dB = 2.700mW/g = 8.63 dB mW/g

System Check_Head_1900MHz

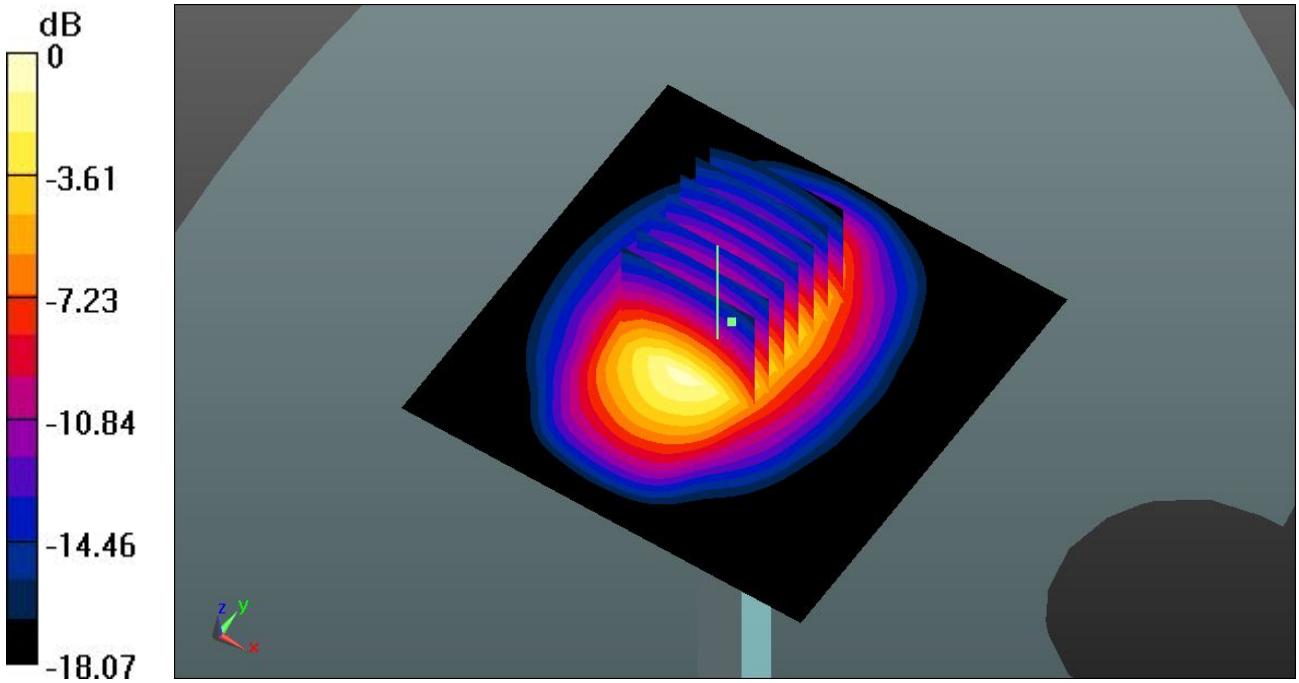
DUT: D1900V2 - SN: 5d118

Communication System: CW; Frequency: 1900 MHz;Duty Cycle: 1:1
Medium: HSL_1900_120321 Medium parameters used: f = 1900 MHz; σ = 1.427 mho/m; ε_r = 41.191; ρ = 1000 kg/m^3
Ambient Temperature：23.7 ℃; 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: 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) = 11.888 mW/g

Pin=250mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 82.918 V/m; Power Drift = 0.03 dB
Peak SAR (extrapolated) = 19.0450
SAR(1 g) = 10.1 mW/g; SAR(10 g) = 5.26 mW/g
Maximum value of SAR (measured) = 11.388 mW/g



0 dB = 11.390mW/g = 21.13 dB mW/g

System Check_Body_1900MHz

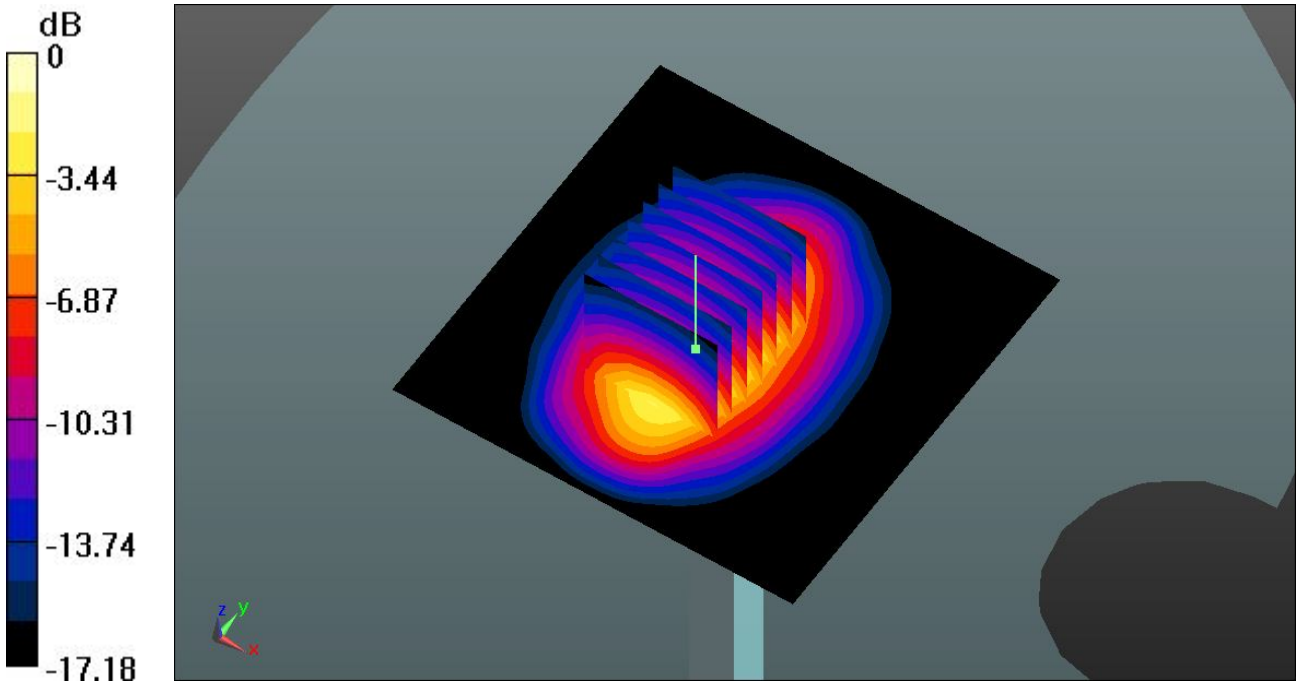
DUT: D1900V2 - SN: 5d118

Communication System: CW; Frequency: 1900 MHz;Duty Cycle: 1:1
Medium: MSL_1900_120321 Medium parameters used: f = 1900 MHz; σ = 1.537 mho/m; ε_r = 52.958; ρ = 1000 kg/m^3
Ambient Temperature：23.6 ℃; Liquid Temperature：21.7 ℃

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) = 11.981 mW/g

Pin=250mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 84.530 V/m; Power Drift = 0.06 dB
Peak SAR (extrapolated) = 18.9090
SAR(1 g) = 10.3 mW/g; SAR(10 g) = 5.36 mW/g
Maximum value of SAR (measured) = 11.486 mW/g



0 dB = 11.490mW/g = 21.21 dB mW/g

System Check_Head_2450MHz

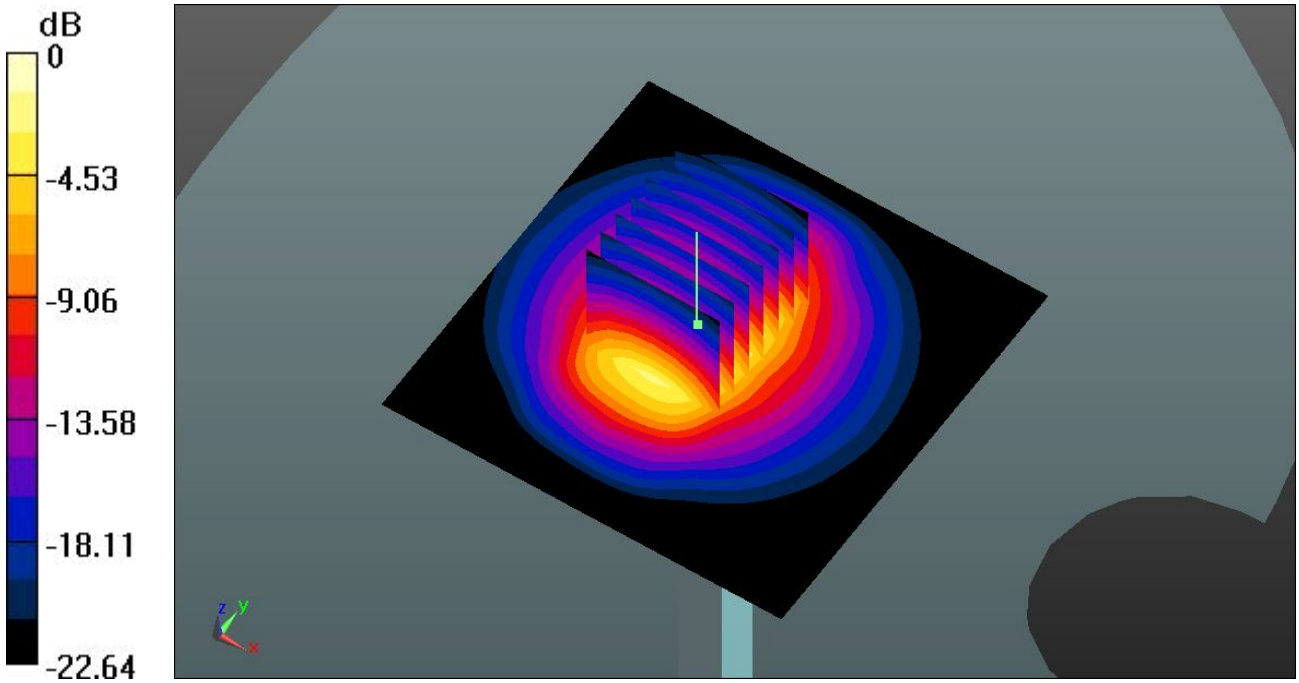
DUT: D2450V2 - SN: 840

Communication System: CW; Frequency: 2450 MHz;Duty Cycle: 1:1
Medium: HSL_2450_120330 Medium parameters used: f = 2450 MHz; σ = 1.82 mho/m; ε_r = 39.753; ρ = 1000 kg/m^3
Ambient Temperature：23.3 ℃; Liquid Temperature：21.4 ℃

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: 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) = 14.724 mW/g

Pin=250mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 77.430 V/m; Power Drift = 0.11 dB
Peak SAR (extrapolated) = 27.1650
SAR(1 g) = 12.6 mW/g; SAR(10 g) = 5.76 mW/g
Maximum value of SAR (measured) = 14.287 mW/g



0 dB = 14.290mW/g = 23.10 dB mW/g

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab Date: 30.03.2012

System Check_Body_2450MHz

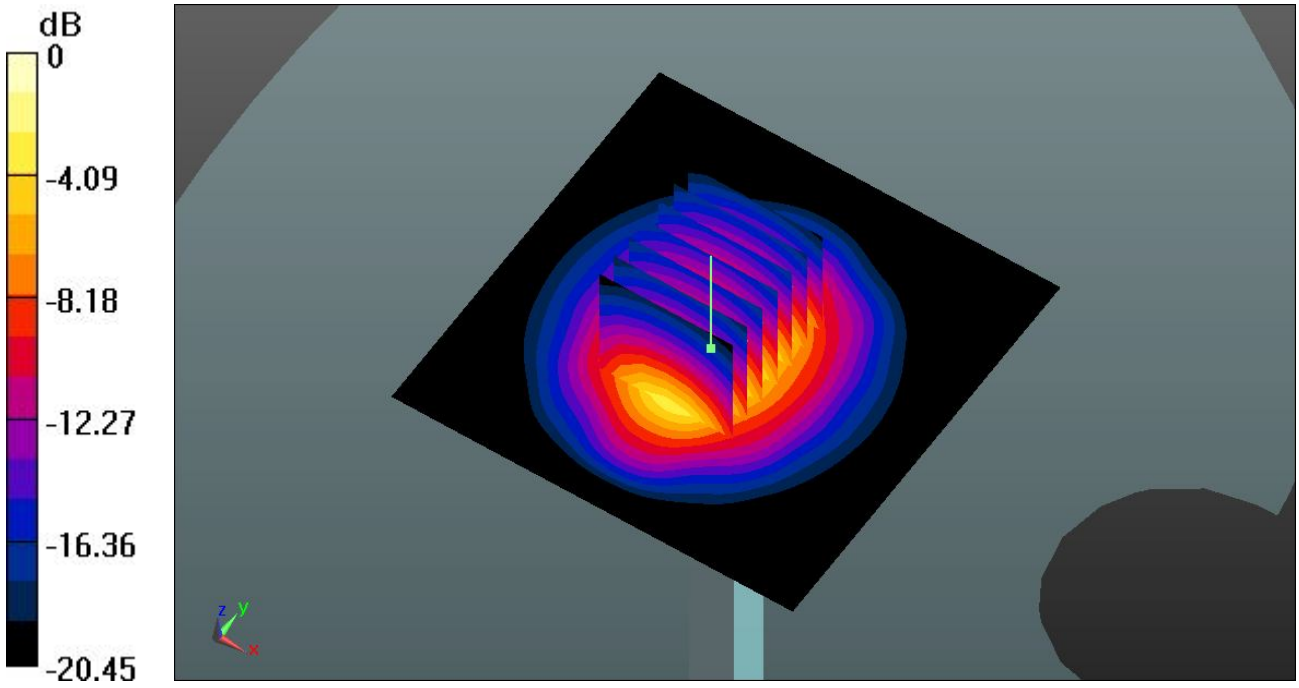
DUT: D2450V2 - SN: 840

Communication System: CW; Frequency: 2450 MHz;Duty Cycle: 1:1
Medium: MSL_2450_120330 Medium parameters used: f = 2450 MHz; σ = 1.976 mho/m; ε_r = 54.13; 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: 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) = 15.125 mW/g

Pin=250mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 86.533 V/m; Power Drift = -0.03 dB
Peak SAR (extrapolated) = 25.8280
SAR(1 g) = 13 mW/g; SAR(10 g) = 6.16 mW/g
Maximum value of SAR (measured) = 14.970 mW/g



0 dB = 14.970mW/g = 23.50 dB mW/g