Appendix A.   Plots of System Performance Check

The plots are shown as follows.

System Check_Head_750MHz_130521

DUT: D750V3 - SN:1065

Communication System: CW; Frequency: 750 MHz;Duty Cycle: 1:1
Medium: HSL_750_130521 Medium parameters used: f = 750 MHz; σ = 0.895 mho/m; ε_r = 41.004;

ρ = 1000 kg/m^3
Ambient Temperature：23.2 ℃；Liquid Temperature：21.2 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3857; ConvF(9.25, 9.25, 9.25); Calibrated: 2012-6-20
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2012-12-5
- Phantom: SAM2; Type: SAM; Serial: TP-1477
- Measurement SW: DASY52, Version 52.8 (4); SEMCAD X Version 14.4.5 (3634)

Pin=250mW/Area Scan (61x61x1): Measurement grid: dx=15mm, dy=15mm
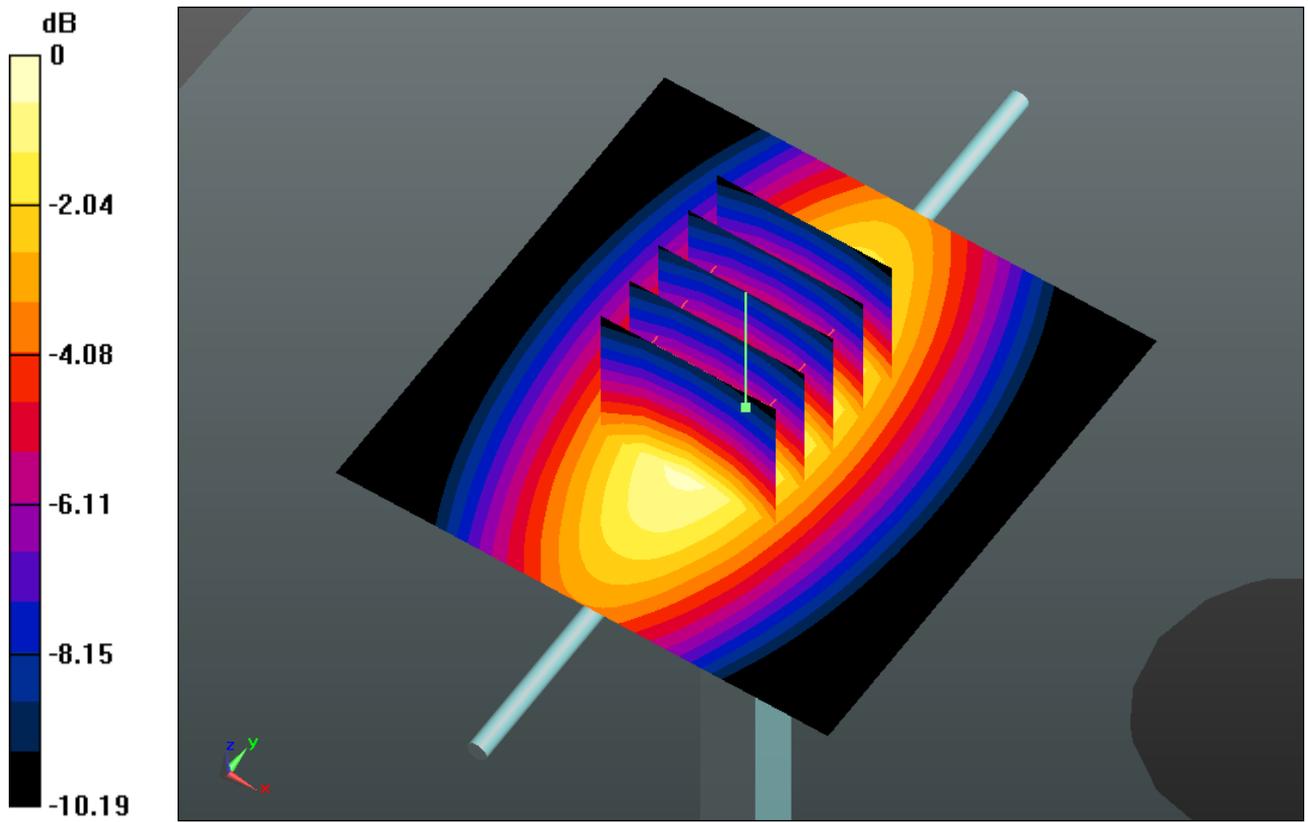Maximum value of SAR (interpolated) = 2.588 mW/g

Pin=250mW/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 49.800 V/m; Power Drift = -0.03 dB
Peak SAR (extrapolated) = 3.009 W/kg
SAR(1 g) = 2.05 mW/g; SAR(10 g) = 1.36 mW/g
Maximum value of SAR (measured) = 2.577 mW/g

0 dB = 2.580mW/g

System Check_Head_835MHz_130523

DUT: D835V2 - SN:4d091

Communication System: CW; Frequency: 835 MHz;Duty Cycle: 1:1
Medium: HSL_835_130523 Medium parameters used: f = 835 MHz; σ = 0.88 mho/m; ε_r = 40.875; ρ
= 1000 kg/m^3
Ambient Temperature：23.4 ℃；Liquid Temperature：21.2 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3857; ConvF(8.74, 8.74, 8.74); Calibrated: 2012-6-20
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn679; Calibrated: 2013-1-16
- Phantom: SAM1; Type: SAM; Serial: TP-1479
- Measurement SW: DASY52, Version 52.8 (4); SEMCAD X Version 14.4.5 (3634)

Pin=250mW/Area Scan (61x61x1): Measurement grid: dx=15mm, dy=15mm
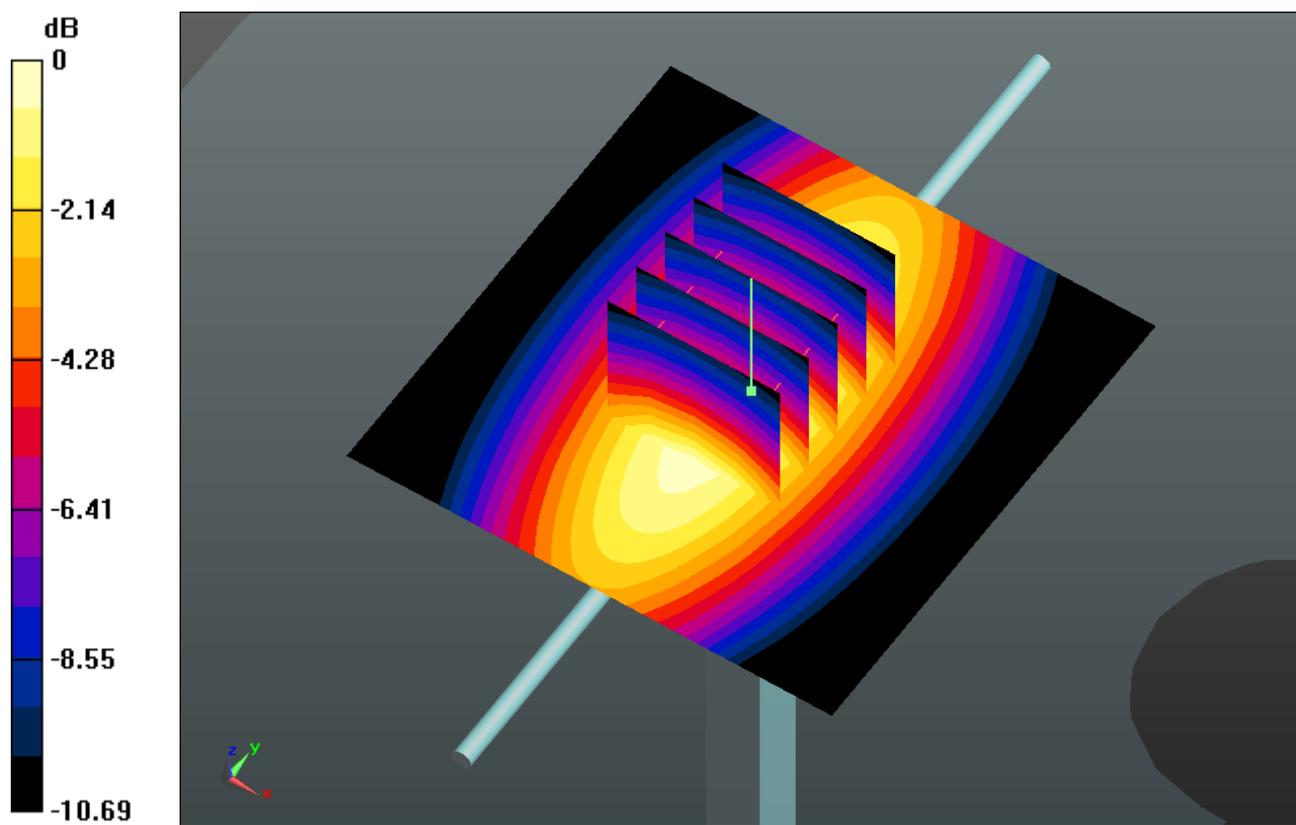Maximum value of SAR (interpolated) = 2.980 mW/g

Pin=250mW/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 54.057 V/m; Power Drift = -0.03 dB
Peak SAR (extrapolated) = 3.458 W/kg
SAR(1 g) = 2.34 mW/g; SAR(10 g) = 1.53 mW/g
Maximum value of SAR (measured) = 2.968 mW/g

0 dB = 2.970mW/g

System Check_Head_1900MHz_130523

DUT: D1900V2 - SN:5d118

Communication System: CW; Frequency: 1900 MHz;Duty Cycle: 1:1
Medium: HSL_1900_130523 Medium parameters used: f = 1900 MHz; σ = 1.423 mho/m; ε_r =

39.009; ρ = 1000 kg/m^3
Ambient Temperature：23.3 ℃；Liquid Temperature：21.5 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3857; ConvF(7.84, 7.84, 7.84); Calibrated: 2012-6-20
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn679; Calibrated: 2013-1-16
- Phantom: SAM2; Type: SAM; Serial: TP-1477
- Measurement SW: DASY52, Version 52.8 (4); SEMCAD X Version 14.4.5 (3634)

Pin=250mW/Area Scan (61x61x1): Measurement grid: dx=15mm, dy=15mm
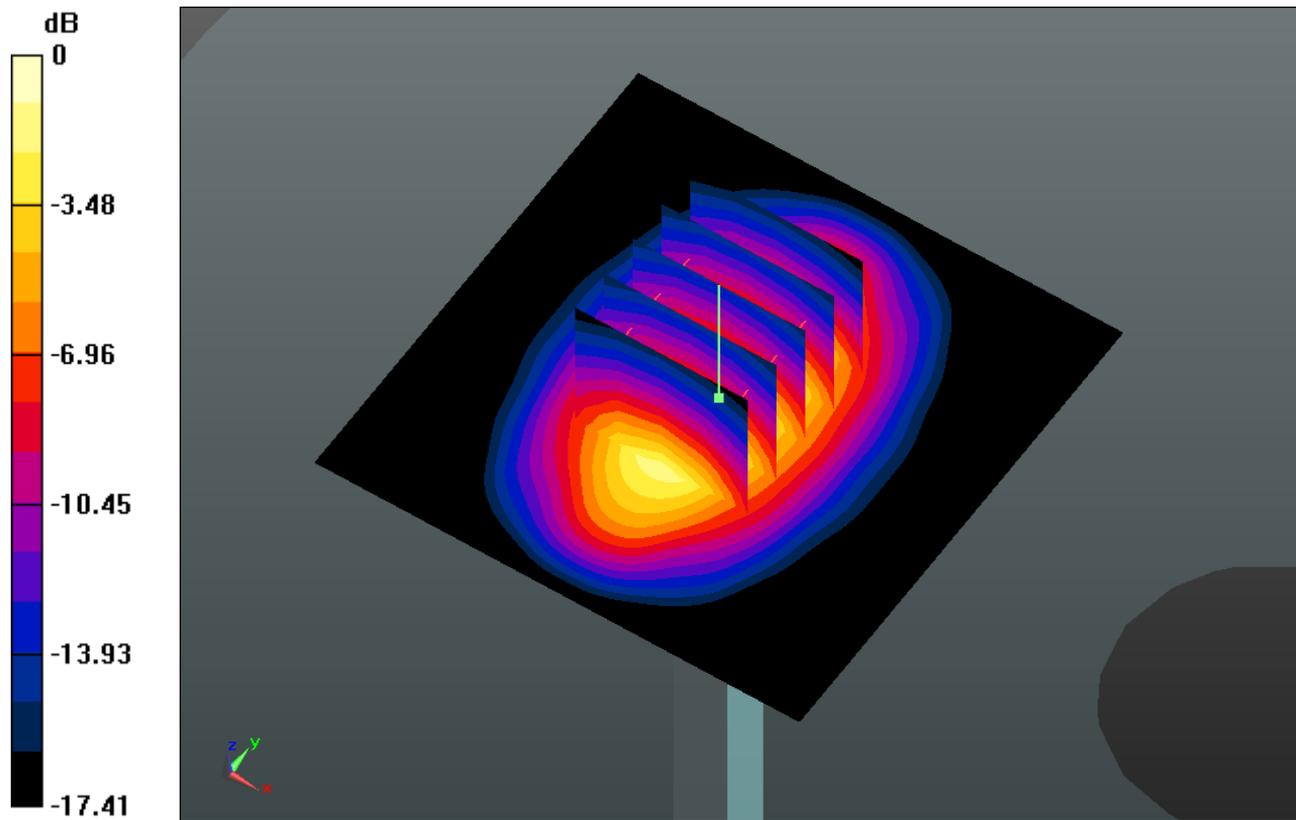Maximum value of SAR (interpolated) = 14.497 mW/g

Pin=250mW/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 89.856 V/m; Power Drift = -0.02 dB
Peak SAR (extrapolated) = 18.134 W/kg
SAR(1 g) = 10.1 mW/g; SAR(10 g) = 5.33 mW/g
Maximum value of SAR (measured) = 14.498 mW/g

0 dB = 14.500mW/g

System Check_Head_2450MHz_130524

DUT: D2450V2 - SN:736

Communication System: CW; Frequency: 2450 MHz;Duty Cycle: 1:1
Medium: HSL_2450_130524 Medium parameters used: f = 2450 MHz; σ = 1.856 mho/m; ε$_r$ =

37.685; ρ = 1000 kg/m^3
Ambient Temperature：23.1 ℃；Liquid Temperature：21.2 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3857; ConvF(6.87, 6.87, 6.87); Calibrated: 2012-6-20
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn679; Calibrated: 2013-1-16
- Phantom: SAM1; Type: SAM; Serial: TP-1479
- Measurement SW: DASY52, Version 52.8 (4); SEMCAD X Version 14.4.5 (3634)

Pin=250mW/Area Scan (71x71x1): Measurement grid: dx=12mm, dy=12mm
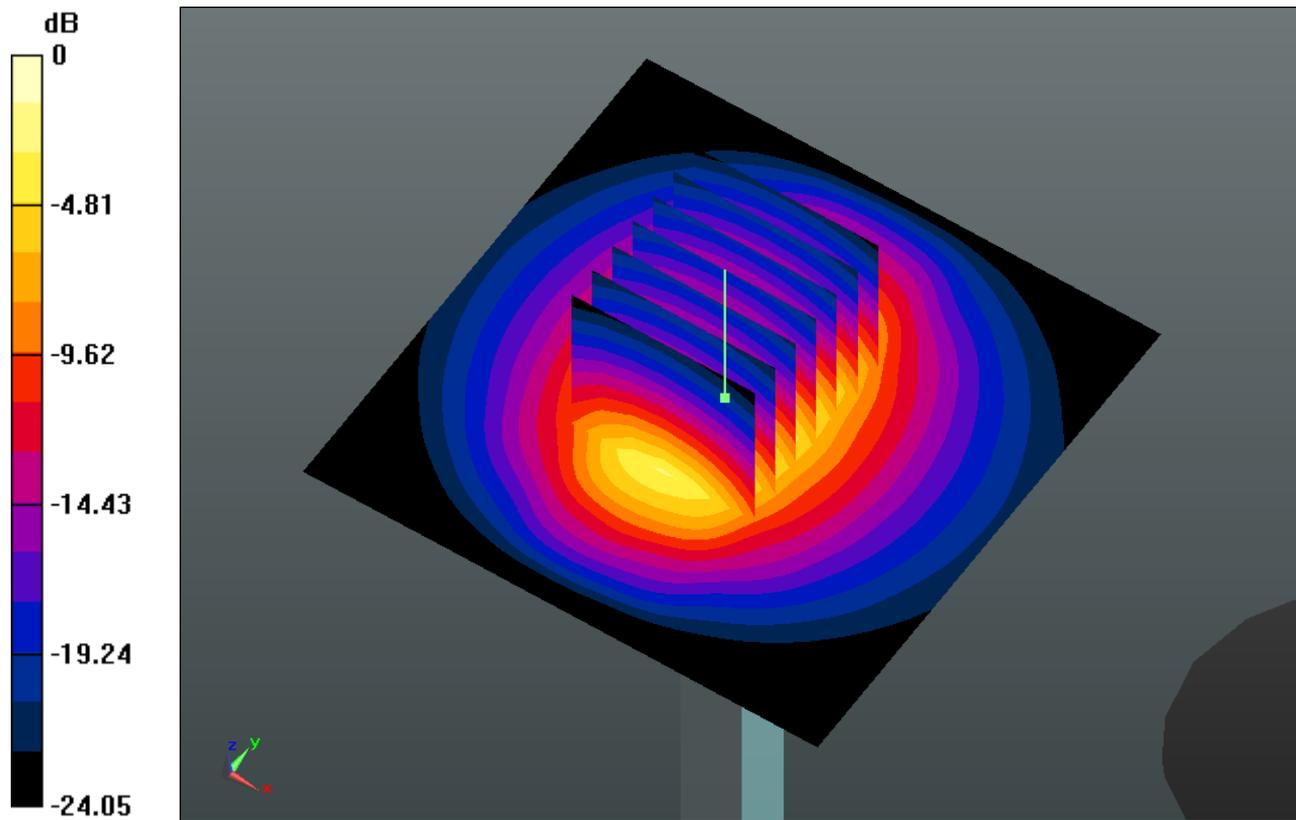Maximum value of SAR (interpolated) = 21.878 mW/g

Pin=250mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 92.019 V/m; Power Drift = 0.02 dB
Peak SAR (extrapolated) = 28.995 W/kg
SAR(1 g) = 13.6 mW/g; SAR(10 g) = 6.16 mW/g
Maximum value of SAR (measured) = 21.232 mW/g

0 dB = 21.230mW/g

System Check_Body_750MHz_130521

DUT: D750V2 - SN:1065

Communication System: CW; Frequency: 750 MHz;Duty Cycle: 1:1
Medium: MSL_750_130521 Medium parameters used: f = 750 MHz; σ = 0.97 mho/m; ε_r = 54.642;

ρ = 1000 kg/m^3
Ambient Temperature：23.2 ℃；Liquid Temperature：21.3 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3857; ConvF(9.18, 9.18, 9.18); Calibrated: 2012-6-20
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2012-12-5
- Phantom: SAM1; Type: SAM; Serial: TP-1479
- Measurement SW: DASY52, Version 52.8 (4); SEMCAD X Version 14.4.5 (3634)

Pin=250mW/Area Scan (61x61x1): Measurement grid: dx=15mm, dy=15mm
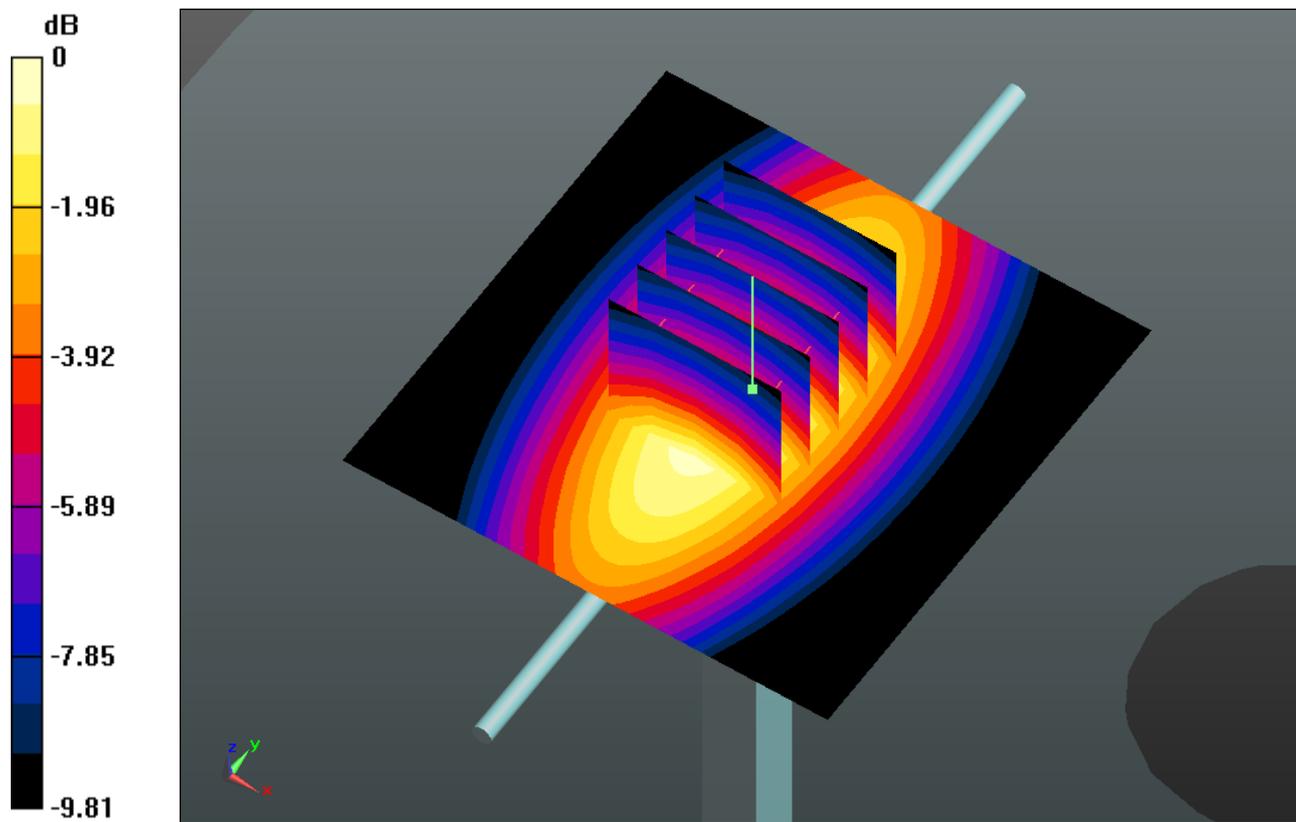Maximum value of SAR (interpolated) = 2.729 mW/g

Pin=250mW/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 49.688 V/m; Power Drift = -0.02 dB
Peak SAR (extrapolated) = 3.137 W/kg
SAR(1 g) = 2.2 mW/g; SAR(10 g) = 1.48 mW/g
Maximum value of SAR (measured) = 2.736 mW/g

0 dB = 2.740mW/g

System Check_Body_835MHz_130521

DUT: D835V2 - SN:4d091

Communication System: CW; Frequency: 835 MHz;Duty Cycle: 1:1
Medium: MSL_835_130521 Medium parameters used: f = 835 MHz; σ = 0.982 mho/m; ε_r = 54.871;

ρ = 1000 kg/m^3
Ambient Temperature：23.3 ℃；Liquid Temperature：21.1 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3857; ConvF(8.98, 8.98, 8.98); Calibrated: 2012-6-20
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn679; Calibrated: 2013-1-16
- Phantom: SAM1; Type: SAM; Serial: TP-1479
- Measurement SW: DASY52, Version 52.8 (4); SEMCAD X Version 14.4.5 (3634)

Pin=250mW/Area Scan (61x61x1): Measurement grid: dx=15mm, dy=15mm
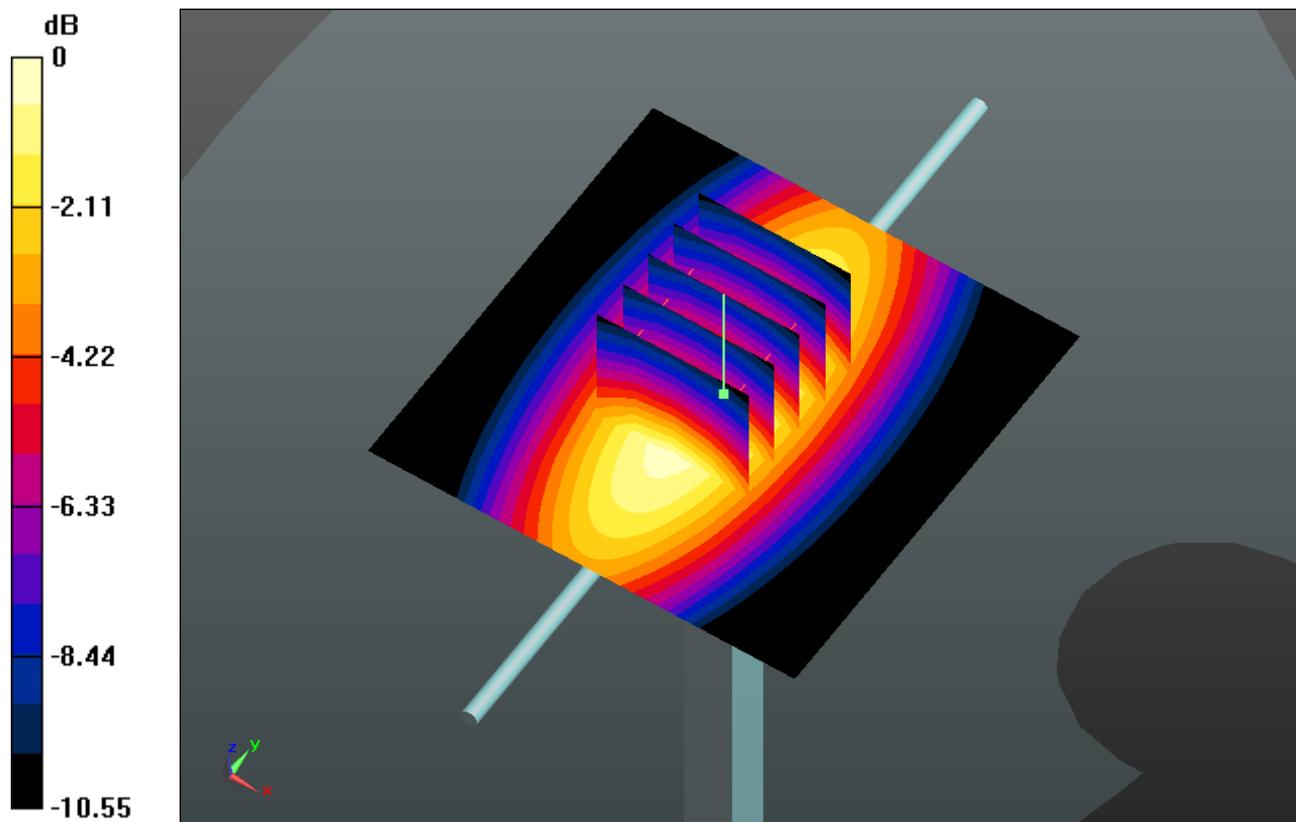Maximum value of SAR (interpolated) = 2.954 mW/g

Pin=250mW/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 50.946 V/m; Power Drift = 0.04 dB
Peak SAR (extrapolated) = 3.437 W/kg
SAR(1 g) = 2.35 mW/g; SAR(10 g) = 1.54 mW/g
Maximum value of SAR (measured) = 2.959 mW/g

0 dB = 2.960mW/g

System Check_Body_1900MHz_130523

DUT: D1900V2 - SN:5d118

Communication System: CW; Frequency: 1900 MHz;Duty Cycle: 1:1
Medium: MSL_1900_130523 Medium parameters used: f = 1900 MHz; σ = 1.55 mho/m; ε_r =

53.139; ρ = 1000 kg/m^3
Ambient Temperature：23.3 ℃；Liquid Temperature：21.2 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3857; ConvF(7.35, 7.35, 7.35); Calibrated: 2012-6-20
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn679; Calibrated: 2013-1-16
- Phantom: SAM2; Type: SAM; Serial: TP-1477
- Measurement SW: DASY52, Version 52.8 (4); SEMCAD X Version 14.4.5 (3634)

Pin=250mW/Area Scan (61x61x1): Measurement grid: dx=15mm, dy=15mm
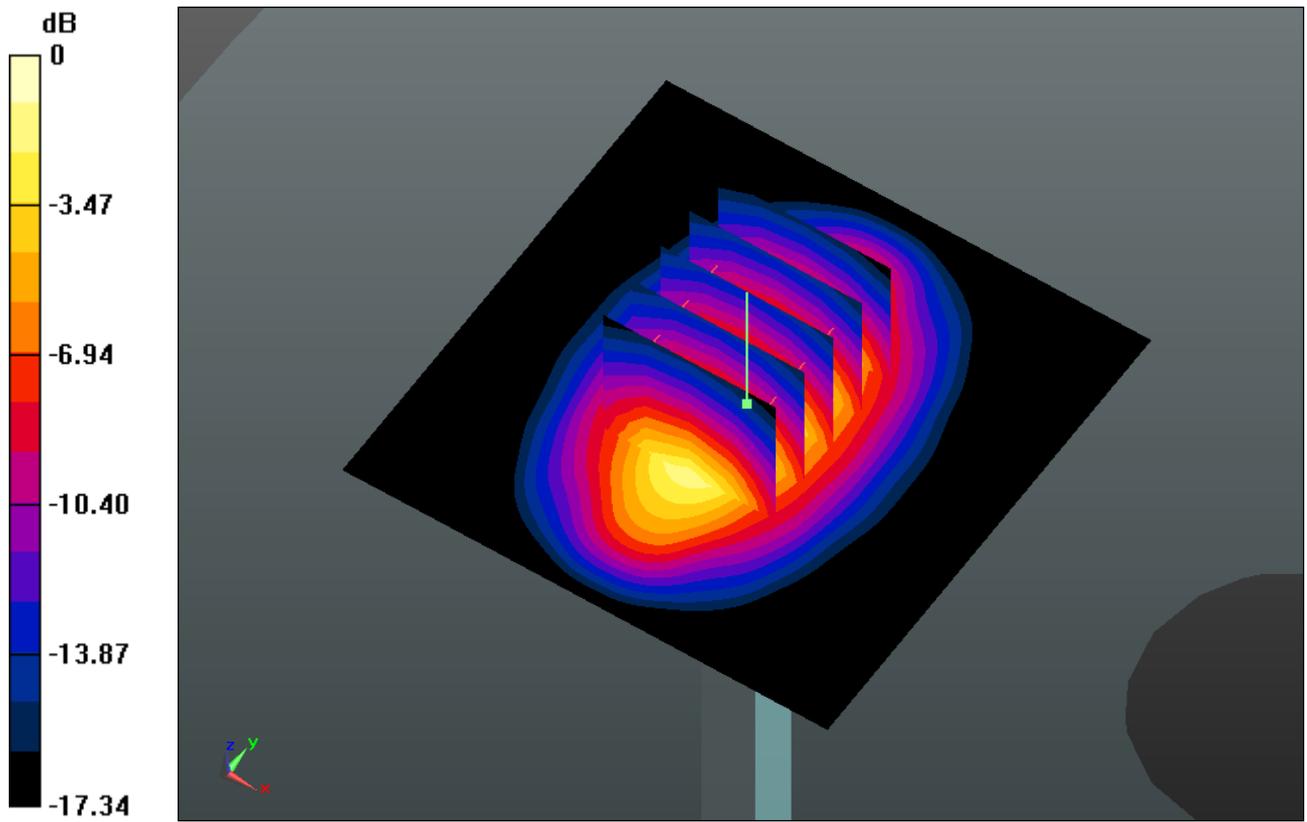Maximum value of SAR (interpolated) = 16.331 mW/g

Pin=250mW/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 92.232 V/m; Power Drift = 0.01 dB
Peak SAR (extrapolated) = 20.132 W/kg
SAR(1 g) = 10.5 mW/g; SAR(10 g) = 5.53 mW/g
Maximum value of SAR (measured) = 16.335 mW/g

0 dB = 16.340mW/g

System Check_Body_2450MHz_130524

DUT: D2450V2 - SN:736

Communication System: CW; Frequency: 2450 MHz;Duty Cycle: 1:1
Medium: MSL_2450_130524 Medium parameters used: f = 2450 MHz; σ = 1.942 mho/m; ε_r =

50.946; ρ = 1000 kg/m^3
Ambient Temperature：23.3 ℃；Liquid Temperature：21.3 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3857; ConvF(6.94, 6.94, 6.94); Calibrated: 2012-6-20
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn679; Calibrated: 2013-1-16
- Phantom: SAM2; Type: SAM; Serial: TP-1477
- Measurement SW: DASY52, Version 52.8 (4); SEMCAD X Version 14.4.5 (3634)

Pin=250mW/Area Scan (71x71x1): Measurement grid: dx=12mm, dy=12mm
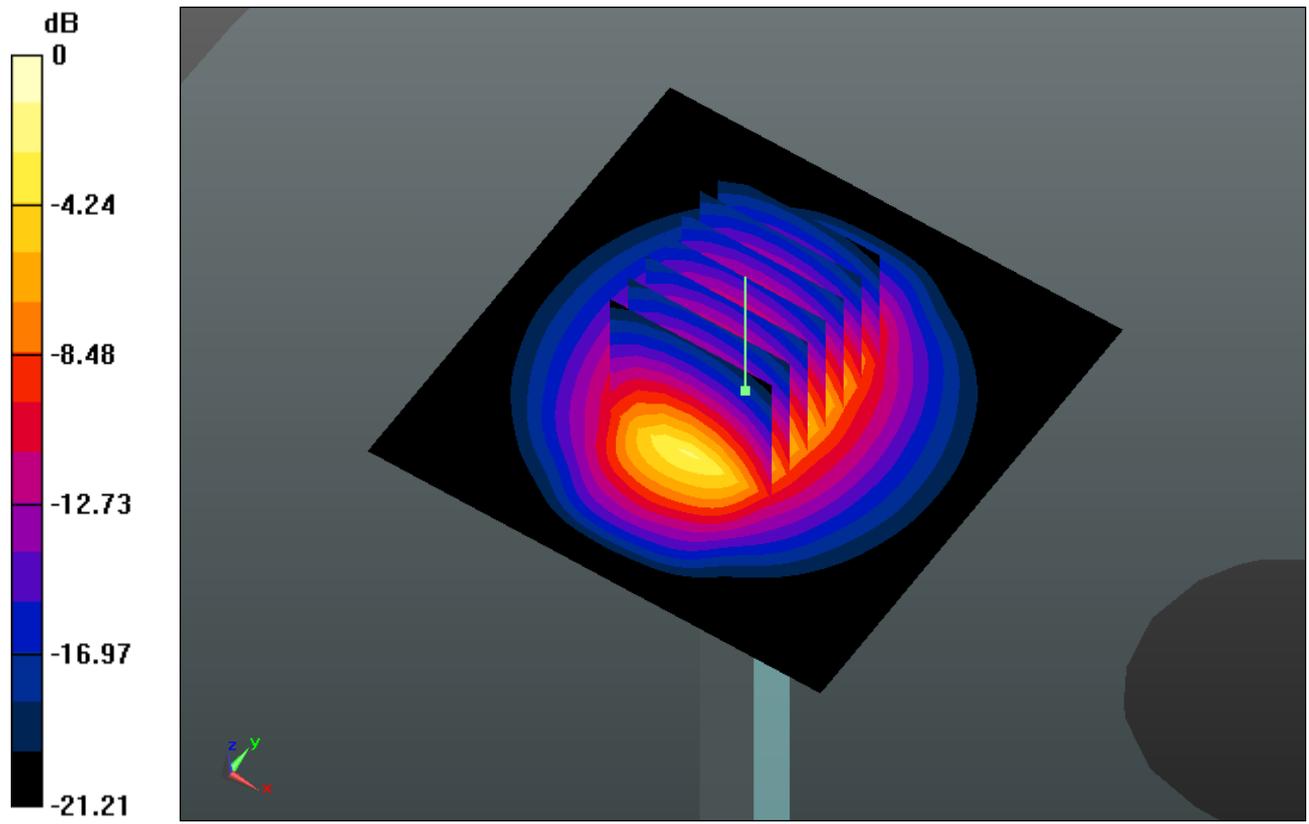Maximum value of SAR (interpolated) = 19.502 mW/g

Pin=250mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 86.178 V/m; Power Drift = 0.01 dB
Peak SAR (extrapolated) = 25.513 W/kg
SAR(1 g) = 12.5 mW/g; SAR(10 g) = 5.81 mW/g
Maximum value of SAR (measured) = 19.005 mW/g

0 dB = 19.010mW/g