

System Check_Head_835MHz_130908

DUT: D835V2-SN:499

Communication System: CW; Frequency: 835 MHz; Duty Cycle: 1:1

Medium: HSL_850_130908 Medium parameters used: $f = 835 \text{ MHz}$; $\sigma = 0.904 \text{ mho/m}$; $\epsilon_r = 41.129$; $\rho =$

1000 kg/m^3

Ambient Temperature : $23.4 \text{ }^\circ\text{C}$; Liquid Temperature : $22.4 \text{ }^\circ\text{C}$

DASY5 Configuration:0

- Probe: ET3DV6R - SN1788; ConvF(5.96, 5.96, 5.96); Calibrated: 2012/10/23;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn577; Calibrated: 2013/5/8
- Phantom: SAM Left; Type: QD000P40CD; Serial: TP:1542
- Measurement SW: DASY52, Version 52.8 (3); SEMCAD X Version 14.6.5 (6469)

Configuration/Pin=250mW/Area Scan (61x61x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$
 Maximum value of SAR (interpolated) = 2.70 mW/g

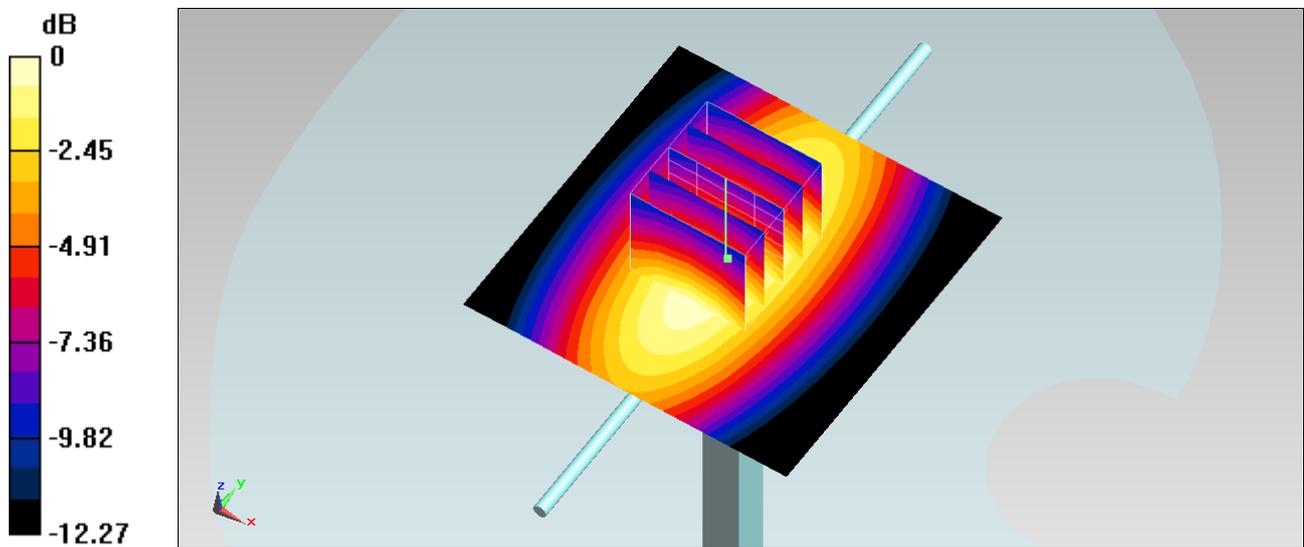
Configuration/Pin=250mW/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$,
 $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 56.329 V/m ; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 3.526 mW/g

SAR(1 g) = 2.47 mW/g ; SAR(10 g) = 1.64 mW/g

Maximum value of SAR (measured) = 2.66 mW/g



0 dB = $2.66 \text{ mW/g} = 8.50 \text{ dB mW/g}$

System Check_Body_835MHz_130911**DUT: D835V2-SN:499**

Communication System: CW; Frequency: 835 MHz; Duty Cycle: 1:1

Medium: MSL_850_130911 Medium parameters used: $f = 835$ MHz; $\sigma = 0.953$ S/m; $\epsilon_r = 52.72$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.3 °C ; Liquid Temperature : 22.3 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3925; ConvF(10.02, 10.02, 10.02); Calibrated: 2013/6/12;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn495; Calibrated: 2013/5/8
- Phantom: SAM-Left; Type: QD 000 P40 C; Serial: TP-1478
- Measurement SW: DASY52, Version 52.8 (6); SEMCAD X Version 14.6.9 (7117)

Configuration/Pin=250mW/Area Scan (61x61x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 2.98 W/kg

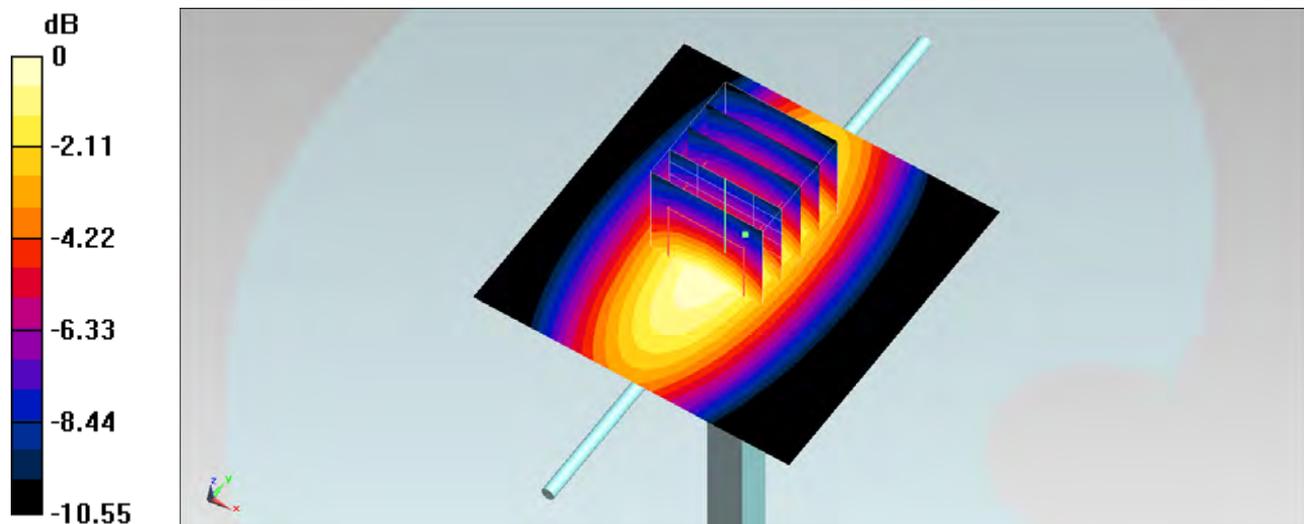
Configuration/Pin=250mW/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 57.247 V/m; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 3.49 W/kg

SAR(1 g) = 2.38 W/kg; SAR(10 g) = 1.58 W/kg

Maximum value of SAR (measured) = 2.98 W/kg



0 dB = 2.98 W/kg = 4.74 dBW/kg

System Check_Body_835MHz_130916**DUT: D835V2-SN:499**

Communication System: CW; Frequency: 835 MHz; Duty Cycle: 1:1

Medium: MSL_850_130916 Medium parameters used: $f = 835 \text{ MHz}$; $\sigma = 0.962 \text{ mho/m}$; $\epsilon_r = 54.6$; $\rho = 1000 \text{ kg/m}^3$

Ambient Temperature : 23.1 °C; Liquid Temperature : 22.1 °C

DASY4 Configuration:

- Probe: ET3DV6R - SN1788; ConvF(5.92, 5.92, 5.92); Calibrated: 2012/10/23
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn577; Calibrated: 2013/5/8
- Phantom: SAM_Right; Type: SAM; Serial: TP-1303
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Pin=250mW/Area Scan (61x61x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 2.76 mW/g

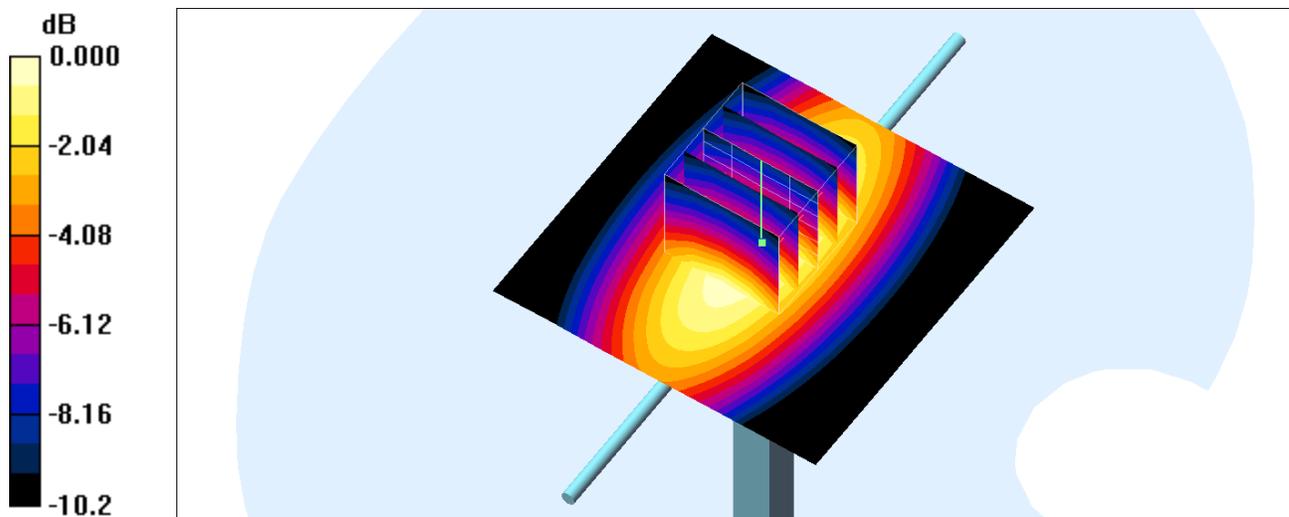
Pin=250mW/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 55.5 V/m; Power Drift = 0.019 dB

Peak SAR (extrapolated) = 3.59 W/kg

SAR(1 g) = 2.55 mW/g; SAR(10 g) = 1.69 mW/g

Maximum value of SAR (measured) = 2.75 mW/g



0 dB = 2.75mW/g

System Check_Head_1750MHz_130907

DUT: D1750V2-SN:1068

Communication System: CW; Frequency: 1750 MHz; Duty Cycle: 1:1

Medium: HSL1750_130907 Medium parameters used: $f = 1750$ MHz; $\sigma = 1.383$ mho/m; $\epsilon_r = 38.267$; $\rho =$

1000 kg/m³

Ambient Temperature : 23.6 °C; Liquid Temperature : 22.6 °C

DASY5 Configuration:0

- Probe: EX3DV4 - SN3792; ConvF(7.78, 7.78, 7.78); Calibrated: 2013/6/4;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1338; Calibrated: 2013/5/28
- Phantom: SAM Left; Type: QD000P40CD; Serial: TP:1542
- Measurement SW: DASY52, Version 52.8 (3); SEMCAD X Version 14.6.5 (6469)

Configuration/Pin=250mW/Area Scan (61x61x1): Measurement grid: dx=15mm, dy=15mm
 Maximum value of SAR (interpolated) = 13.8 mW/g

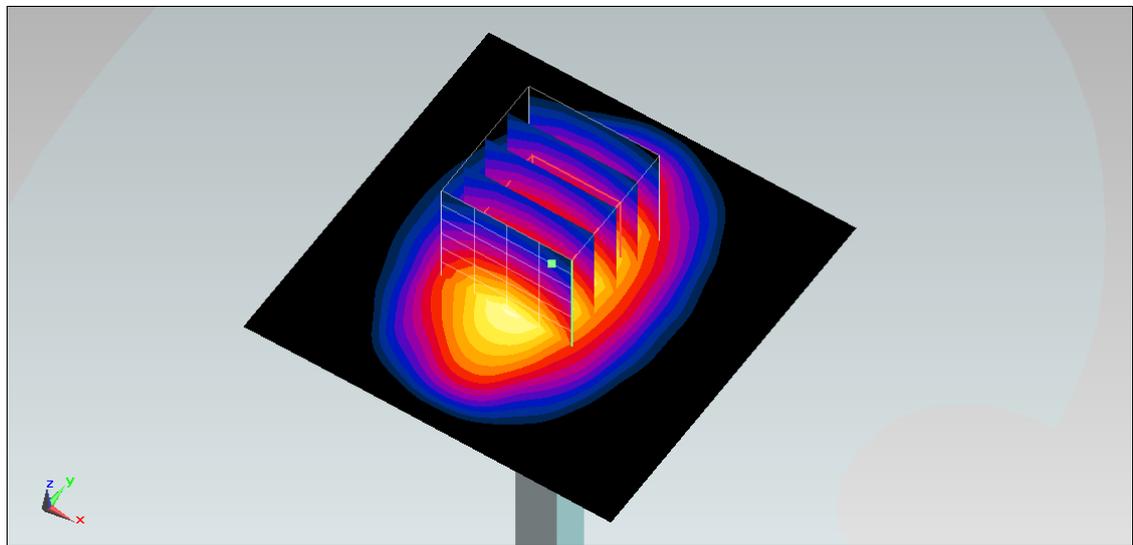
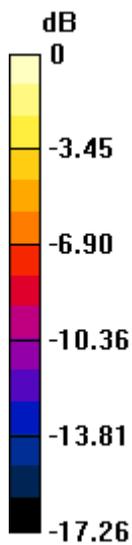
Configuration/Pin=250mW/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 99.656 V/m; Power Drift = 0.06 dB

Peak SAR (extrapolated) = 17.130 mW/g

SAR(1 g) = 9.56 mW/g; SAR(10 g) = 5.08 mW/g

Maximum value of SAR (measured) = 13.5 mW/g



0 dB = 13.5 mW/g = 22.61 dB mW/g

System Check_Body_1750MHz_130913

DUT: D1750V2-SN:1068

Communication System: CW; Frequency: 1750 MHz; Duty Cycle: 1:1

Medium: MSL_1750_130913 Medium parameters used: $f = 1750$ MHz; $\sigma = 1.53$ mho/m; $\epsilon_r = 51.9$; $\rho = 1000$

kg/m³

Ambient Temperature : 23.4 °C; Liquid Temperature : 22.4 °C

DASY4 Configuration:

- Probe: ET3DV6R - SN1788; ConvF(4.42, 4.42, 4.42); Calibrated: 2012/10/23
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn577; Calibrated: 2013/5/8
- Phantom: SAM_Right; Type: SAM; Serial: TP-1303
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Pin=250mW/Area Scan (61x61x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 12.5 mW/g

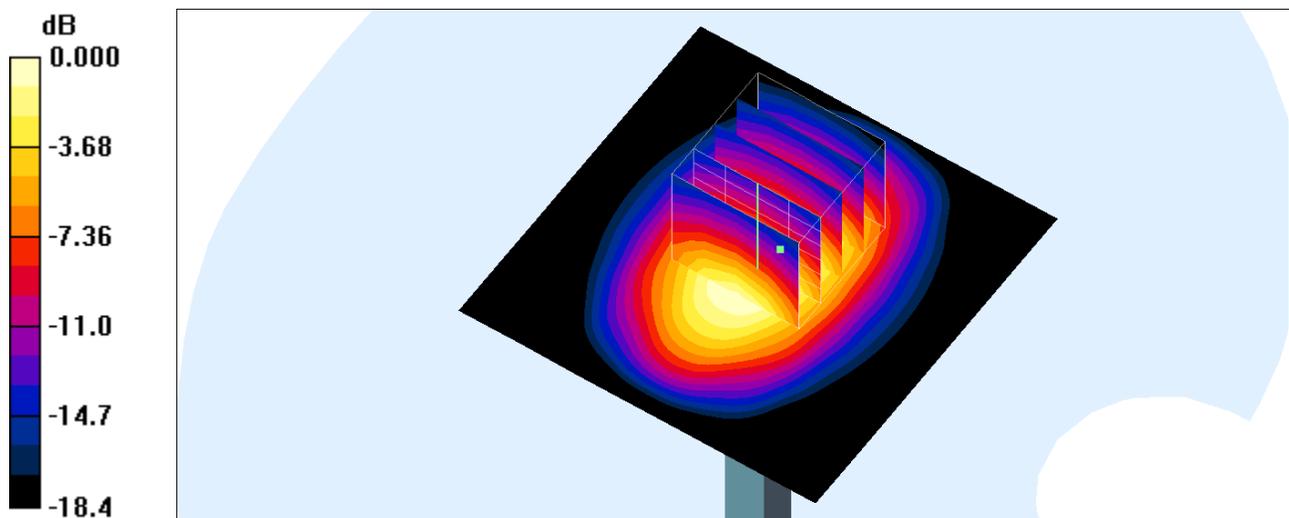
Pin=250mW/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 95.2 V/m; Power Drift = -0.196 dB

Peak SAR (extrapolated) = 14.3 W/kg

SAR(1 g) = 9.23 mW/g; SAR(10 g) = 4.98 mW/g

Maximum value of SAR (measured) = 10.6 mW/g



0 dB = 10.6mW/g

System Check_Body_1750MHz_130913

DUT: D1750V2-SN:1068

Communication System: CW; Frequency: 1750 MHz; Duty Cycle: 1:1

Medium: MSL_1750_130913 Medium parameters used: $f = 1750$ MHz; $\sigma = 1.53$ mho/m; $\epsilon_r = 51.9$; $\rho = 1000$

kg/m³

Ambient Temperature : 23.4 °C; Liquid Temperature : 22.4 °C

DASY4 Configuration:

- Probe: EX3DV4 - SN3801; ConvF(7.66, 7.66, 7.66); Calibrated: 2013/6/20
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn778; Calibrated: 2013/8/21
- Phantom: SAM_Right; Type: SAM; Serial: TP-1303
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Pin=250mW/Area Scan (51x51x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 13.9 mW/g

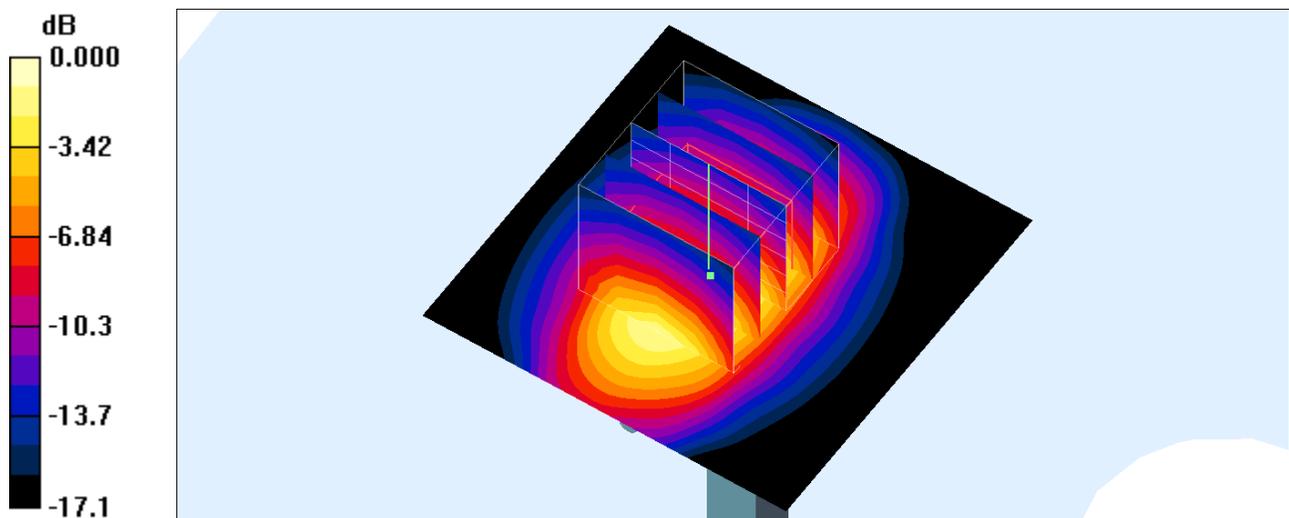
Pin=250mW/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 90.2 V/m; Power Drift = 0.084 dB

Peak SAR (extrapolated) = 16.7 W/kg

SAR(1 g) = 9.66 mW/g; SAR(10 g) = 5.15 mW/g

Maximum value of SAR (measured) = 13.4 mW/g



0 dB = 13.4mW/g

System Check_Head_1900MHz_130907

DUT: D1900V2-SN:5d041

Communication System: CW; Frequency: 1900 MHz; Duty Cycle: 1:1

Medium: HSL_1900_130907 Medium parameters used: $f = 1900 \text{ MHz}$; $\sigma = 1.432 \text{ mho/m}$; $\epsilon_r = 39.344$; ρ

$= 1000 \text{ kg/m}^3$

Ambient Temperature : $23.6 \text{ }^\circ\text{C}$; Liquid Temperature : $22.6 \text{ }^\circ\text{C}$

DASY5 Configuration:0

- Probe: EX3DV4 - SN3792; ConvF(7.51, 7.51, 7.51); Calibrated: 2013/6/4;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1338; Calibrated: 2013/5/28
- Phantom: SAM Left; Type: QD000P40CD; Serial: TP:1542
- Measurement SW: DASY52, Version 52.8 (3); SEMCAD X Version 14.6.5 (6469)

Configuration/Pin=250mW/Area Scan (61x61x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$
 Maximum value of SAR (interpolated) = 13.6 mW/g

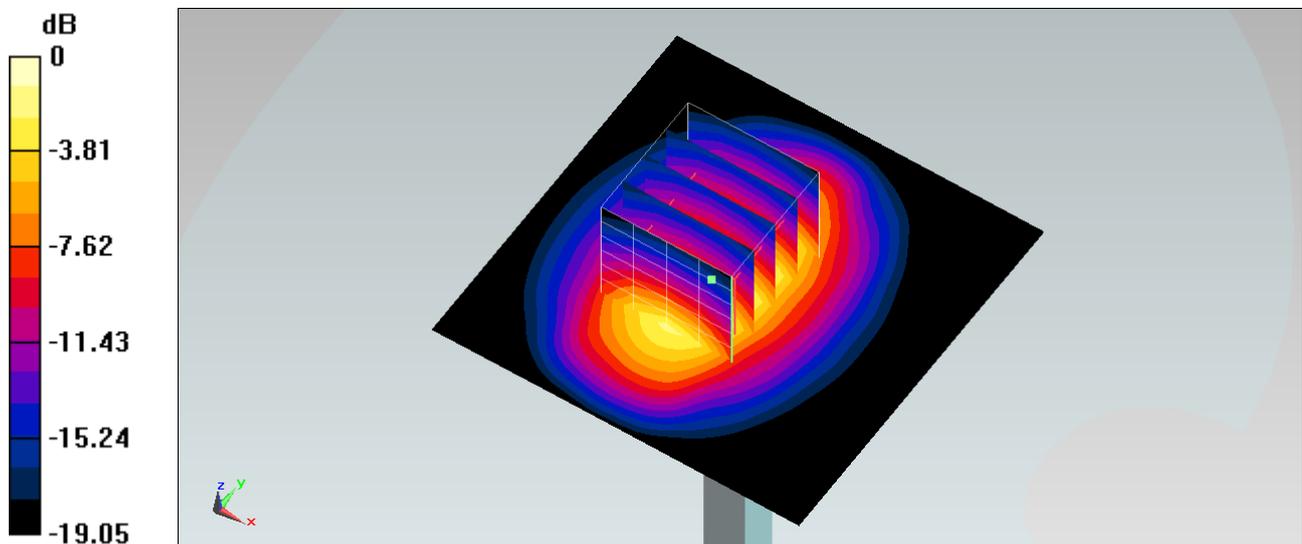
Configuration/Pin=250mW/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$,
 $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 93.655 V/m ; Power Drift = 0.13 dB

Peak SAR (extrapolated) = 18.341 mW/g

SAR(1 g) = 9.52 mW/g ; SAR(10 g) = 4.83 mW/g

Maximum value of SAR (measured) = 13.8 mW/g



$0 \text{ dB} = 13.8 \text{ mW/g} = 22.80 \text{ dB mW/g}$

System Check_Body_1900MHz_130912

DUT: D1900V2-SN:5d041

Communication System: WCDMA; Frequency: 1900 MHz; Duty Cycle: 1:1

Medium: MSL_1900_130912 Medium parameters used: $f = 1900$ MHz; $\sigma = 1.55$ mho/m; $\epsilon_r = 51.9$; $\rho = 1000$

kg/m^3

Ambient Temperature : 23.4 °C; Liquid Temperature : 22.4 °C

DASY4 Configuration:

- Probe: EX3DV4 - SN3801; ConvF(7.23, 7.23, 7.23); Calibrated: 2013/6/20
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn778; Calibrated: 2013/8/21
- Phantom: SAM_Right; Type: SAM; Serial: TP-1303
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Pin=250mW/Area Scan (61x61x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 15.4 mW/g

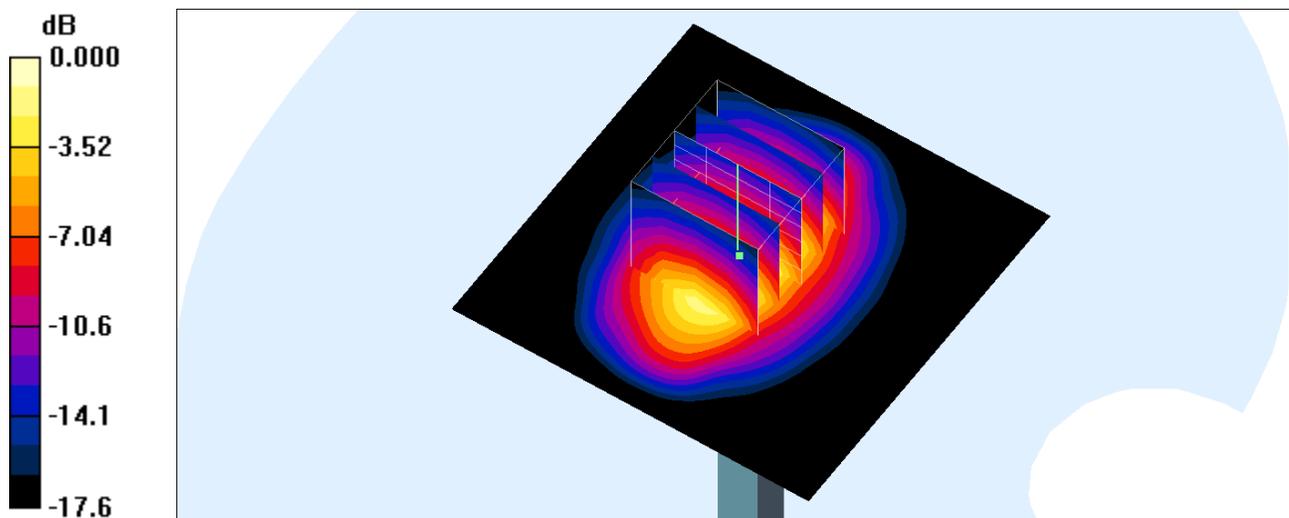
Pin=250mW/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 99.7 V/m; Power Drift = 0.014 dB

Peak SAR (extrapolated) = 19.1 W/kg

SAR(1 g) = 11 mW/g; SAR(10 g) = 5.78 mW/g

Maximum value of SAR (measured) = 15.4 mW/g



0 dB = 15.4mW/g

System Check_Body_1900MHz_130912

DUT: D1900V2-SN:5d041

Communication System: CW; Frequency: 1900 MHz; Duty Cycle: 1:1

Medium: MSL_1900_130912 Medium parameters used: $f = 1900$ MHz; $\sigma = 1.545$ S/m; $\epsilon_r = 51.942$; $\rho =$

1000 kg/m³

Ambient Temperature : 23.4 °C ; Liquid Temperature : 22.4 °C

DASY5 Configuration:

- Probe: ES3DV3 - SN3270; ConvF(4.67, 4.67, 4.67); Calibrated: 2012/9/28;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn914; Calibrated: 2013/1/16
- Phantom: SAM_Right; Type: SAM; Serial: TP-1303
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Pin=250mW/Area Scan (61x61x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 13.5 W/kg

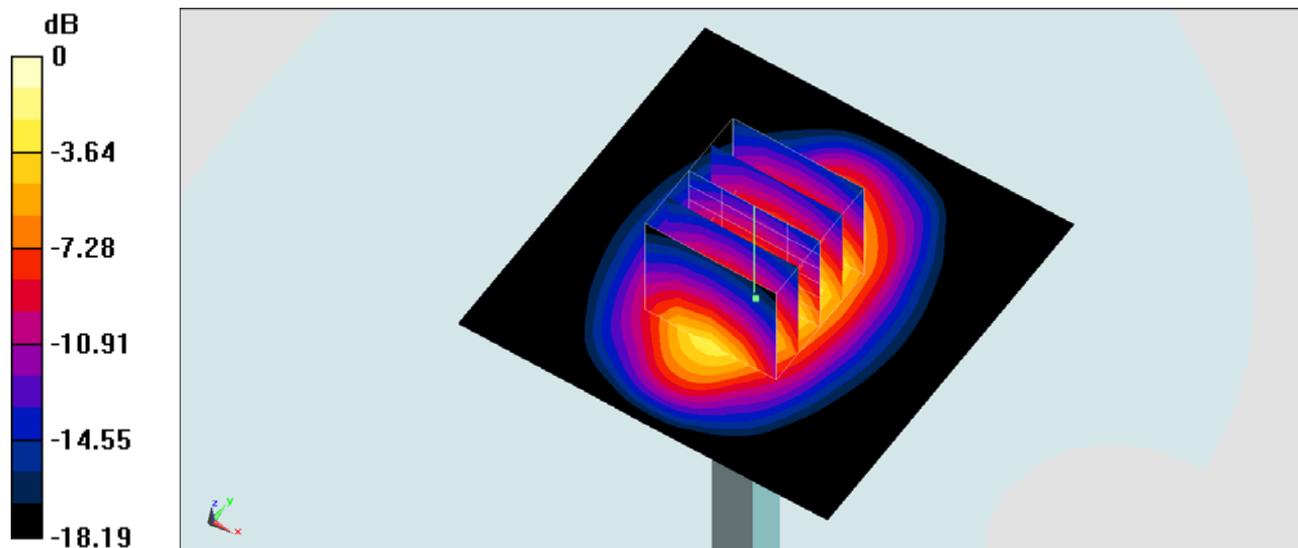
Pin=250mW/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 93.121 V/m; Power Drift = 0.07 dB

Peak SAR (extrapolated) = 18.4 W/kg

SAR(1 g) = 10.2 W/kg; SAR(10 g) = 5.3 W/kg

Maximum value of SAR (measured) = 12.7 W/kg



0 dB = 12.7 W/kg = 11.04 dBW/kg

System Check_Body_1900MHz_130913

DUT: D1900V2-SN:5d041

Communication System: CW; Frequency: 1900 MHz; Duty Cycle: 1:1

Medium: MSL_1900_130913 Medium parameters used: $f = 1900$ MHz; $\sigma = 1.53$ mho/m; $\epsilon_r = 52.5$; $\rho = 1000$

kg/m³

Ambient Temperature : 23.4 °C; Liquid Temperature : 22.4 °C

DASY4 Configuration:

- Probe: ET3DV6R - SN1788; ConvF(4.15, 4.15, 4.15); Calibrated: 2012/10/23
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn577; Calibrated: 2013/5/8
- Phantom: SAM_Right; Type: SAM; Serial: TP-1303
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Pin=250mW/Area Scan (61x61x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 11.6 mW/g

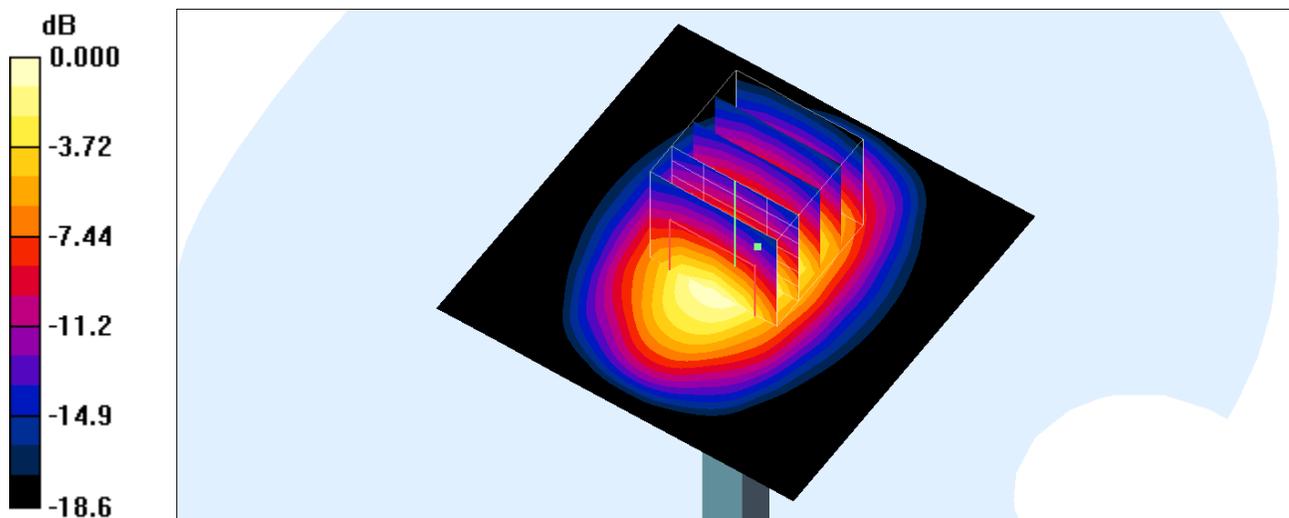
Pin=250mW/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 90.7 V/m; Power Drift = -0.013 dB

Peak SAR (extrapolated) = 15.4 W/kg

SAR(1 g) = 9.52 mW/g; SAR(10 g) = 5.1 mW/g

Maximum value of SAR (measured) = 10.8 mW/g



0 dB = 10.8mW/g

System Check_Head_2450MHz_130814

DUT: D2450V2-SN:869

Communication System: CW; Frequency: 2450 MHz; Duty Cycle: 1:1

Medium: HSL_2450_130814 Medium parameters used: $f = 2450$ MHz; $\sigma = 1.851$ S/m; $\epsilon_r = 39.252$; $\rho =$

1000 kg/m³

Ambient Temperature : 23.5 °C ; Liquid Temperature : 22.5 °C

DASY5 Configuration:

- Probe: ES3DV3 - SN3270; ConvF(4.45, 4.45, 4.45); Calibrated: 2012/9/28;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn778; Calibrated: 2012/8/27
- Phantom: SAM RIGHT; Type: SAM; Serial: 1719
- Measurement SW: DASY52, Version 52.8 (6); SEMCAD X Version 14.6.9 (7117)

Configuration/Pin=250mW/Area Scan (61x61x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 18.9 W/kg

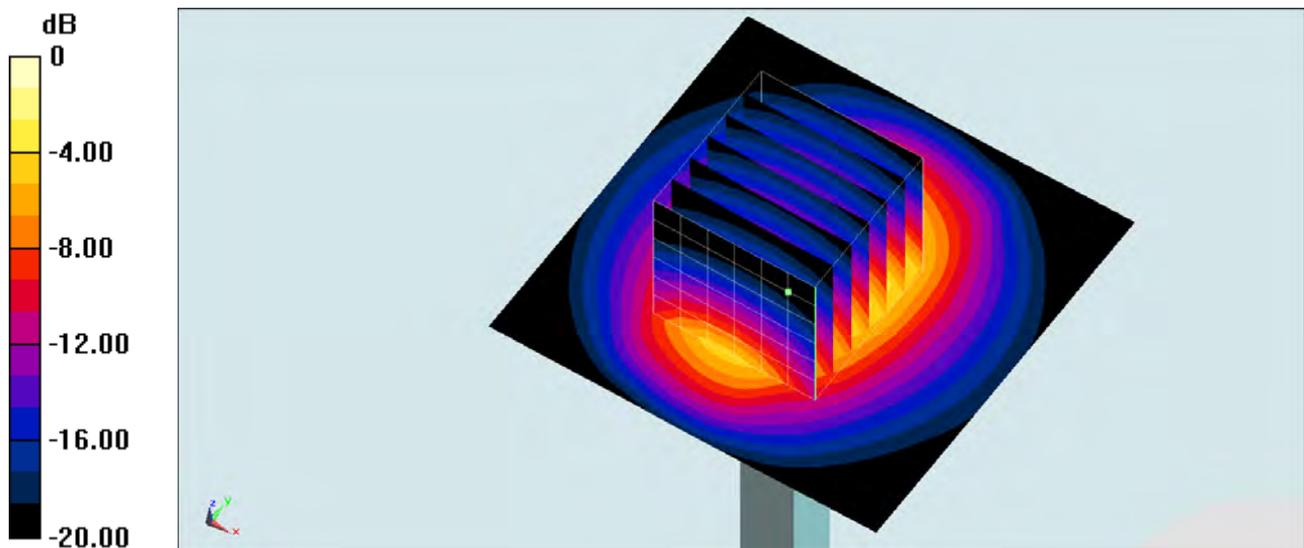
Configuration/Pin=250mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 105.4 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 28.6 W/kg

SAR(1 g) = 13.7 W/kg; SAR(10 g) = 6.29 W/kg

Maximum value of SAR (measured) = 18.0 W/kg



0 dB = 18.0 W/kg = 12.55 dBW/kg

System Check_Body_2450MHz_130814

DUT: D2450V2-SN:869

Communication System: CW; Frequency: 2450 MHz; Duty Cycle: 1:1

Medium: MSL_2450_130814 Medium parameters used: $f = 2450$ MHz; $\sigma = 2.021$ S/m; $\epsilon_r = 53.832$; $\rho =$

1000 kg/m³

Ambient Temperature : 23.4 °C ; Liquid Temperature : 22.4 °C

DASY5 Configuration:

- Probe: ES3DV3 - SN3270; ConvF(4.17, 4.17, 4.17); Calibrated: 2012/9/28;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn778; Calibrated: 2012/8/27
- Phantom: SAM LEFT; Type: QD000P40CD; Serial: TP:1718
- Measurement SW: DASY52, Version 52.8 (6); SEMCAD X Version 14.6.9 (7117)

Configuration/Pin=250mW/Area Scan (61x61x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 18.5 W/kg

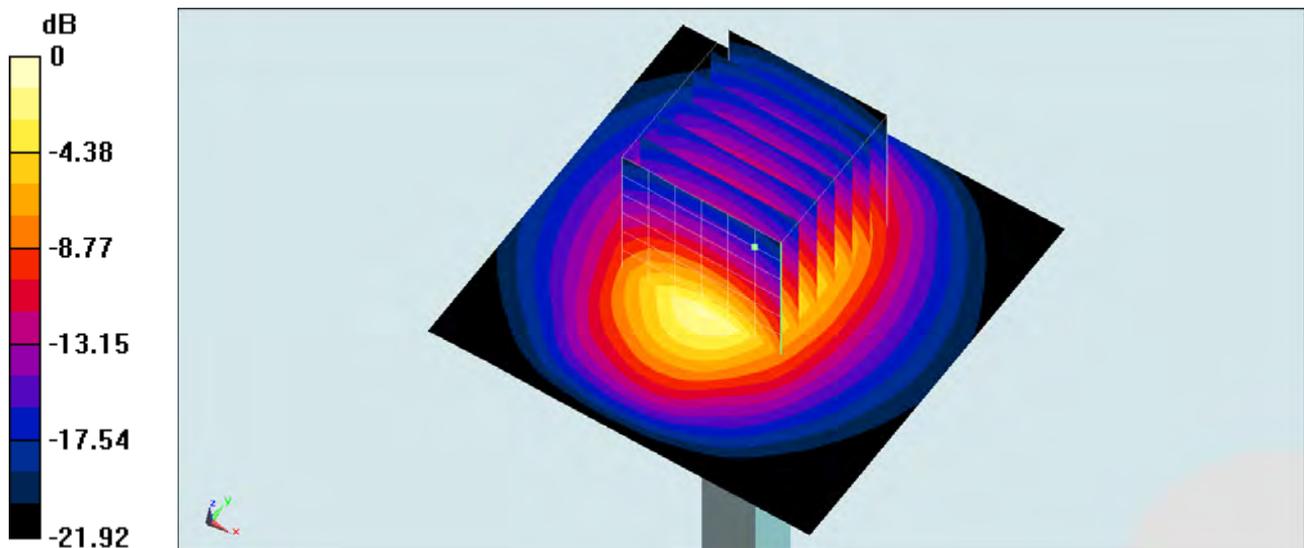
Configuration/Pin=250mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 92.762 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 28.1 W/kg

SAR(1 g) = 13.3 W/kg; SAR(10 g) = 6.22 W/kg

Maximum value of SAR (measured) = 17.3 W/kg



0 dB = 17.3 W/kg = 12.38 dBW/kg

System Check_Head_5200MHz_130815

DUT: D5GHzV2-SN:1128

Communication System: CW; Frequency: 5200 MHz; Duty Cycle: 1:1

Medium: HSL_5G_130815 Medium parameters used: $f = 5200$ MHz; $\sigma = 4.811$ S/m; $\epsilon_r = 35.44$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.6 °C ; Liquid Temperature : 22.6 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3792; ConvF(4.83, 4.83, 4.83); Calibrated: 2013/6/4;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1338; Calibrated: 2013/5/28
- Phantom: SAM RIGHT; Type: SAM; Serial: 1719
- Measurement SW: DASY52, Version 52.8 (6); SEMCAD X Version 14.6.9 (7117)

Configuration/Pin=100mW/Area Scan (71x71x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 21.7 W/kg

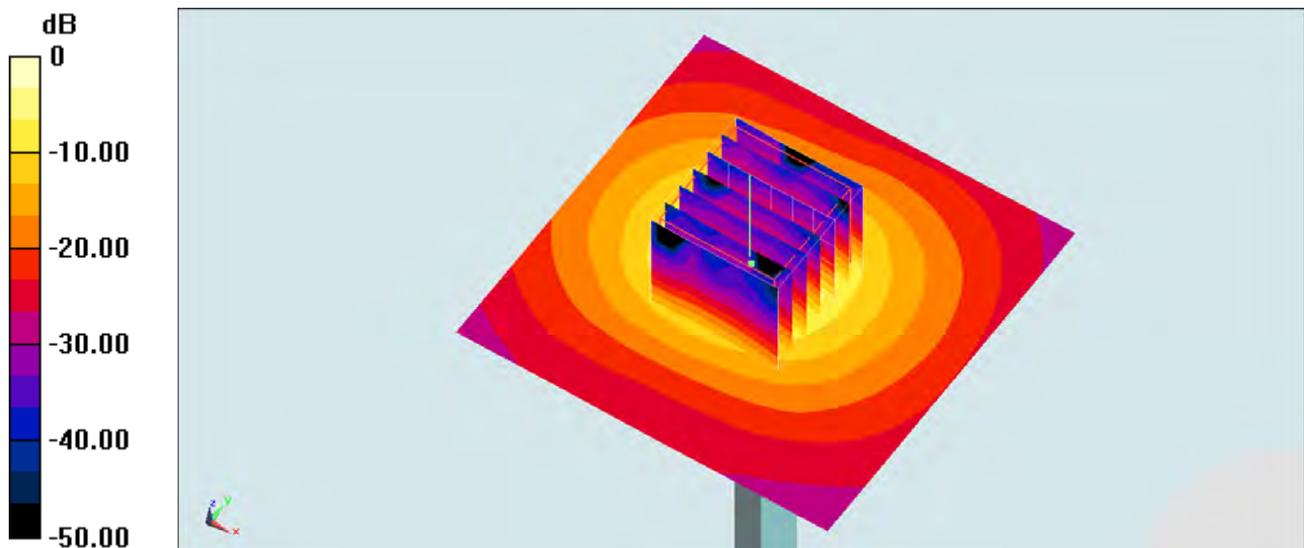
Configuration/Pin=100mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 43.541 V/m; Power Drift = 0.00 dB

Peak SAR (extrapolated) = 44.8 W/kg

SAR(1 g) = 7.86 W/kg; SAR(10 g) = 2.09 W/kg

Maximum value of SAR (measured) = 20.9 W/kg



0 dB = 20.9 W/kg = 13.20 dBW/kg

System Check_Body_5200MHz_130818

DUT: D5GHzV2-SN:1128

Communication System: CW; Frequency: 5200 MHz; Duty Cycle: 1:1

Medium: MSL_5G_130818 Medium parameters used: $f = 5200 \text{ MHz}$; $\sigma = 5.318 \text{ S/m}$; $\epsilon_r = 47.507$; $\rho =$

1000 kg/m^3

Ambient Temperature : $23.5 \text{ }^\circ\text{C}$; Liquid Temperature : $22.5 \text{ }^\circ\text{C}$

DASY5 Configuration:

- Probe: EX3DV4 - SN3792; ConvF(4.27, 4.27, 4.27); Calibrated: 2013/6/4;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1338; Calibrated: 2013/5/28
- Phantom: SAM LEFT; Type: QD000P40CD; Serial: TP:1718
- Measurement SW: DASY52, Version 52.8 (6); SEMCAD X Version 14.6.9 (7117)

Configuration/Pin=100mW/Area Scan (71x71x1): Interpolated grid: $dx=1.000 \text{ mm}$, $dy=1.000 \text{ mm}$

Maximum value of SAR (interpolated) = 16.9 W/kg

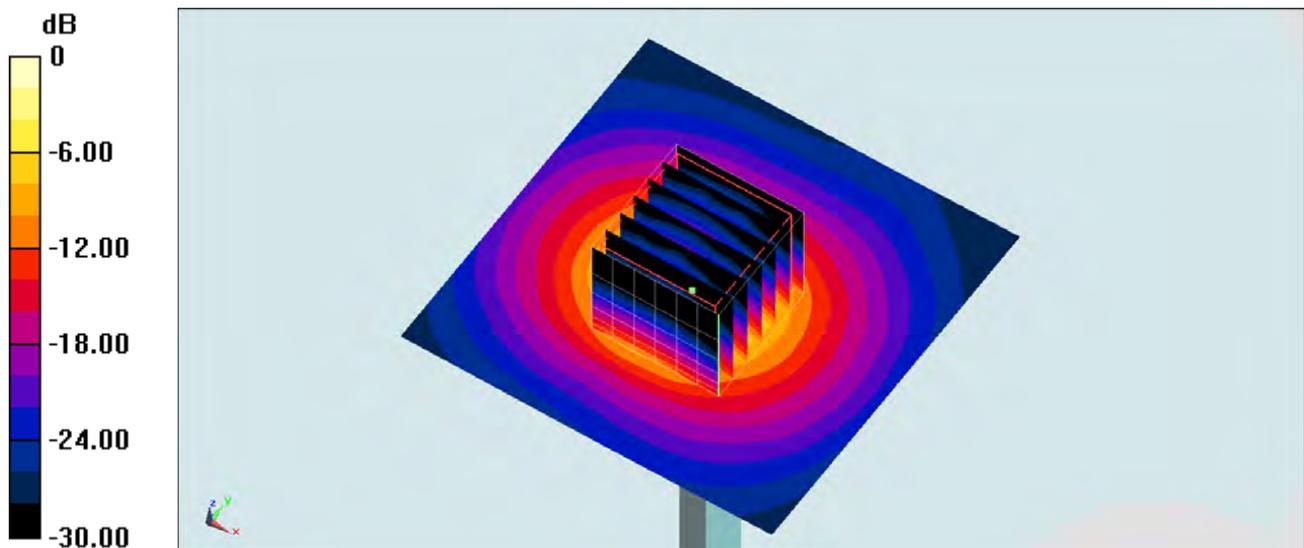
Configuration/Pin=100mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=4\text{mm}$, $dy=4\text{mm}$, $dz=1.4\text{mm}$

Reference Value = 43.846 V/m ; Power Drift = 0.18 dB

Peak SAR (extrapolated) = 29.6 W/kg

SAR(1 g) = 7.21 W/kg ; SAR(10 g) = 1.99 W/kg

Maximum value of SAR (measured) = 17.7 W/kg



0 dB = 17.7 W/kg = 12.48 dBW/kg

System Check_Head_5300MHz_130815

DUT: D5GHzV2-SN:1128

Communication System: CW; Frequency: 5300 MHz; Duty Cycle: 1:1

Medium: HSL_5G_130815 Medium parameters used: $f = 5300 \text{ MHz}$; $\sigma = 4.92 \text{ S/m}$; $\epsilon_r = 35.31$; $\rho = 1000$

kg/m^3

Ambient Temperature : $23.6 \text{ }^\circ\text{C}$; Liquid Temperature : $22.6 \text{ }^\circ\text{C}$

DASY5 Configuration:

- Probe: EX3DV4 - SN3792; ConvF(4.63, 4.63, 4.63); Calibrated: 2013/6/4;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1338; Calibrated: 2013/5/28
- Phantom: SAM RIGHT; Type: SAM; Serial: 1719
- Measurement SW: DASY52, Version 52.8 (6); SEMCAD X Version 14.6.9 (7117)

Configuration/Pin=100mW/Area Scan (71x71x1): Interpolated grid: $dx=1.000 \text{ mm}$, $dy=1.000 \text{ mm}$

Maximum value of SAR (interpolated) = 20.0 W/kg

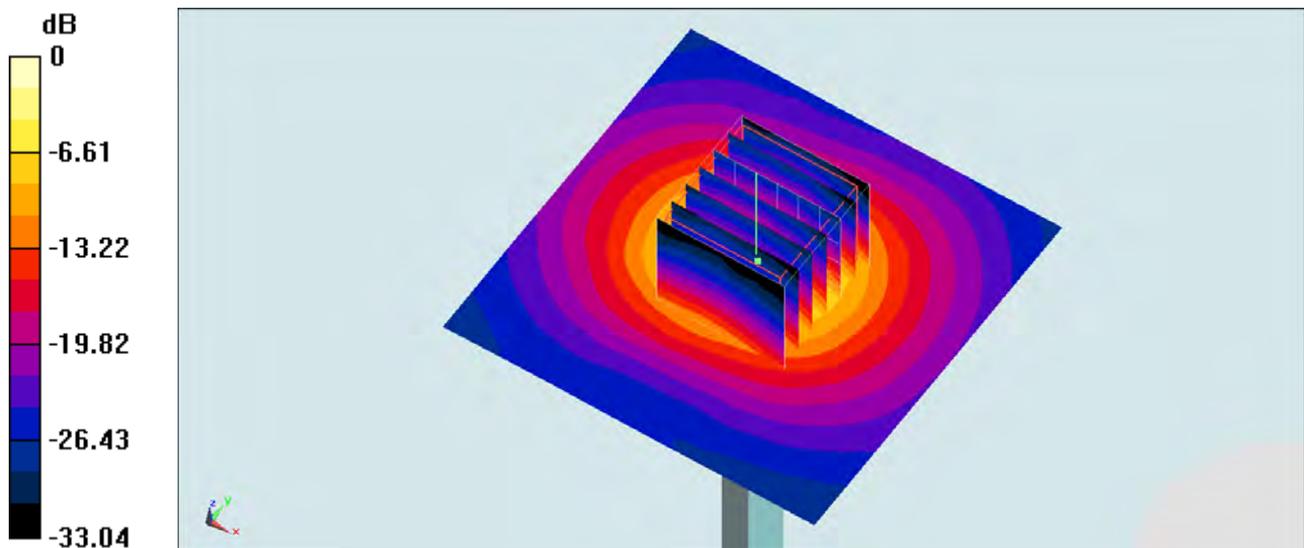
Configuration/Pin=100mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=4\text{mm}$, $dy=4\text{mm}$, $dz=1.4\text{mm}$

Reference Value = 48.351 V/m ; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 33.4 W/kg

SAR(1 g) = 8.25 W/kg ; SAR(10 g) = 2.32 W/kg

Maximum value of SAR (measured) = 19.6 W/kg



0 dB = $19.6 \text{ W/kg} = 12.92 \text{ dBW/kg}$

System Check_Body_5300MHz_130818

DUT: D5GHzV2-SN:1128

Communication System: CW; Frequency: 5300 MHz; Duty Cycle: 1:1

Medium: MSL_5G_130818 Medium parameters used: $f = 5300 \text{ MHz}$; $\sigma = 5.457 \text{ S/m}$; $\epsilon_r = 47.242$; $\rho =$

1000 kg/m^3

Ambient Temperature : $23.5 \text{ }^\circ\text{C}$; Liquid Temperature : $22.5 \text{ }^\circ\text{C}$

DASY5 Configuration:

- Probe: EX3DV4 - SN3792; ConvF(4.12, 4.12, 4.12); Calibrated: 2013/6/4;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1338; Calibrated: 2013/5/28
- Phantom: SAM LEFT; Type: QD000P40CD; Serial: TP:1718
- Measurement SW: DASY52, Version 52.8 (6); SEMCAD X Version 14.6.9 (7117)

Configuration/Pin=100mW/Area Scan (71x71x1): Interpolated grid: $dx=1.000 \text{ mm}$, $dy=1.000 \text{ mm}$

Maximum value of SAR (interpolated) = 18.5 W/kg

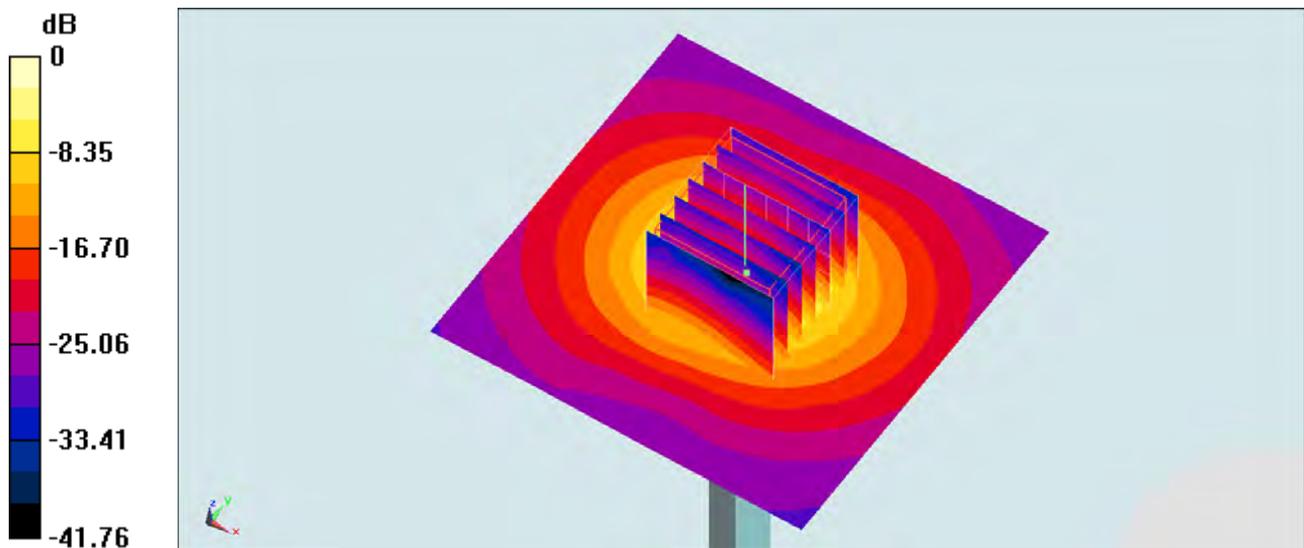
Configuration/Pin=100mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=4\text{mm}$, $dy=4\text{mm}$, $dz=1.4\text{mm}$

Reference Value = 45.994 V/m ; Power Drift = -0.00 dB

Peak SAR (extrapolated) = 29.5 W/kg

SAR(1 g) = 7.47 W/kg ; SAR(10 g) = 2.08 W/kg

Maximum value of SAR (measured) = 17.9 W/kg



0 dB = 17.9 W/kg = 12.53 dBW/kg

System Check_Head_5600MHz_130816

DUT: D5GHzV2-SN:1128

Communication System: CW; Frequency: 5600 MHz; Duty Cycle: 1:1

Medium: HSL_5G_130816 Medium parameters used: $f = 5600$ MHz; $\sigma = 5.199$ S/m; $\epsilon_r = 34.711$; $\rho =$

1000 kg/m³

Ambient Temperature : 23.3 °C ; Liquid Temperature : 22.3 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3697; ConvF(4.25, 4.25, 4.25); Calibrated: 2012/9/28;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1279; Calibrated: 2013/1/28
- Phantom: SAM RIGHT; Type: SAM; Serial: 1719
- Measurement SW: DASY52, Version 52.8 (6); SEMCAD X Version 14.6.9 (7117)

Configuration/Pin=100mW/Area Scan (71x71x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 21.4 W/kg

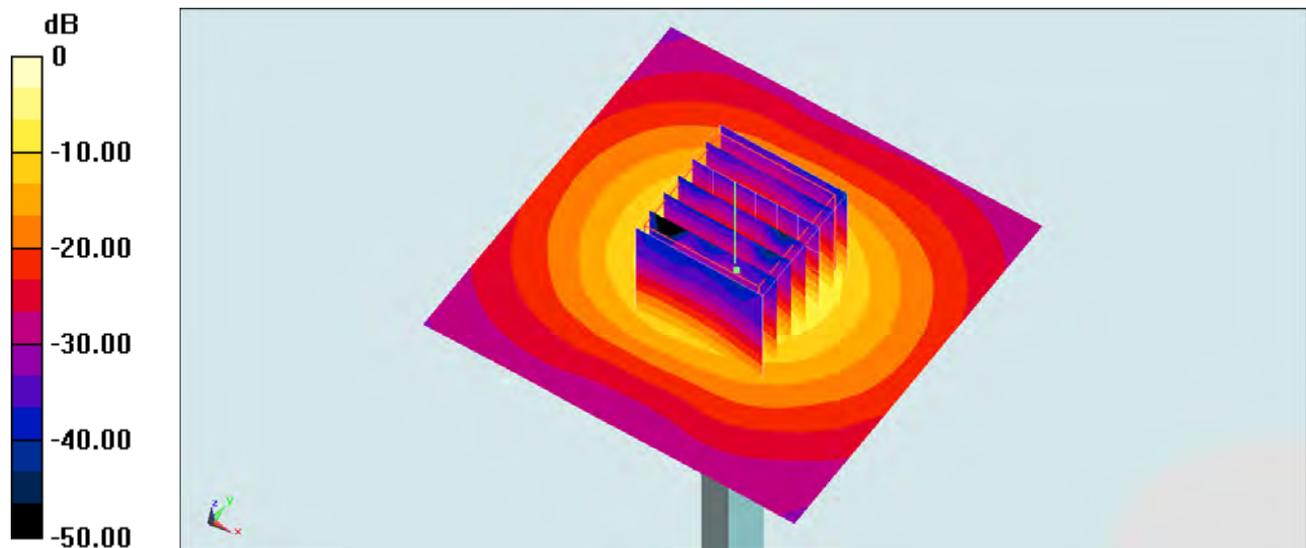
Configuration/Pin=100mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 46.320 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 45.9 W/kg

SAR(1 g) = 7.98 W/kg; SAR(10 g) = 2.12 W/kg

Maximum value of SAR (measured) = 21.0 W/kg



0 dB = 21.0 W/kg = 13.22 dBW/kg

System Check_Head_5600MHz_130817

DUT: D5GHzV2-SN:1128

Communication System: CW; Frequency: 5600 MHz; Duty Cycle: 1:1

Medium: HSL_5G_130817 Medium parameters used: $f = 5600$ MHz; $\sigma = 5.233$ S/m; $\epsilon_r = 34.724$; $\rho =$

1000 kg/m³

Ambient Temperature : 23.2 °C ; Liquid Temperature : 22.2 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3792; ConvF(4.54, 4.54, 4.54); Calibrated: 2013/6/4;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1338; Calibrated: 2013/5/28
- Phantom: SAM LEFT; Type: QD000P40CD; Serial: TP:1718
- Measurement SW: DASY52, Version 52.8 (6); SEMCAD X Version 14.6.9 (7117)

Configuration/Pin=100mW/Area Scan (71x71x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 22.8 W/kg

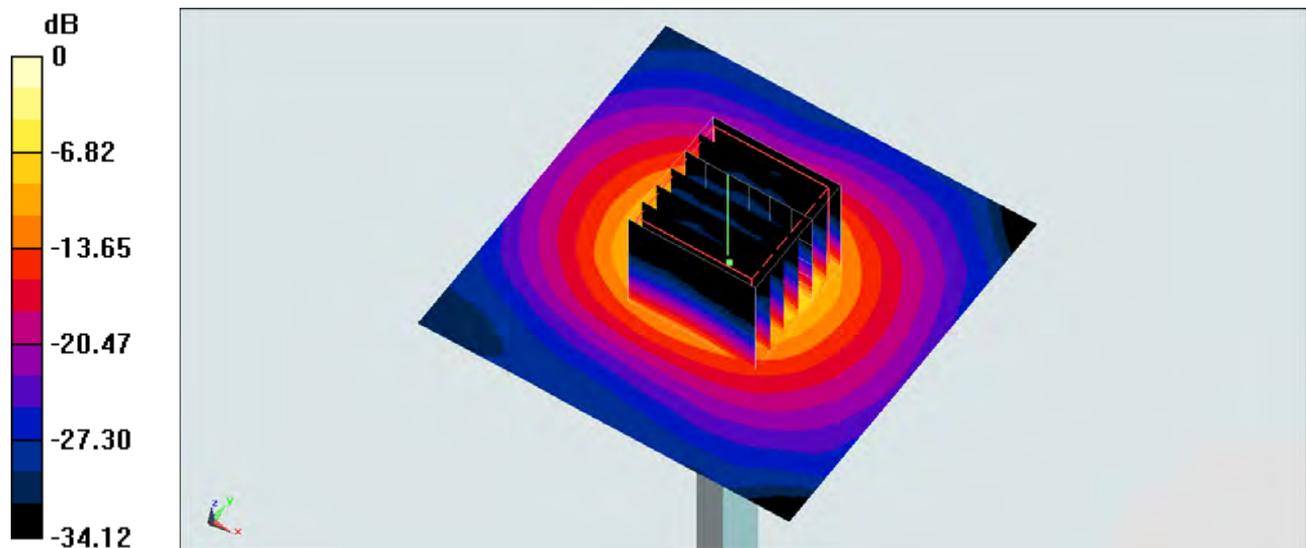
Configuration/Pin=100mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 45.099 V/m; Power Drift = 0.05 dB

Peak SAR (extrapolated) = 57.1 W/kg

SAR(1 g) = 8.16 W/kg; SAR(10 g) = 2.14 W/kg

Maximum value of SAR (measured) = 23.4 W/kg



0 dB = 23.4 W/kg = 13.69 dBW/kg

System Check_Body_5600MHz_130818**DUT: D5GHzV2-SN:1128**

Communication System: CW; Frequency: 5600 MHz; Duty Cycle: 1:1

Medium: MSL_5G_130818 Medium parameters used: $f = 5600$ MHz; $\sigma = 5.857$ S/m; $\epsilon_r = 46.718$; $\rho =$

1000 kg/m³

Ambient Temperature : 23.5 °C; Liquid Temperature : 22.5 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3792; ConvF(3.81, 3.81, 3.81); Calibrated: 2013/6/4;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1338; Calibrated: 2013/5/28
- Phantom: SAM LEFT; Type: QD000P40CD; Serial: TP:1718
- Measurement SW: DASY52, Version 52.8 (6); SEMCAD X Version 14.6.9 (7117)

Configuration/Pin=100mW/Area Scan (71x71x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 20.1 W/kg

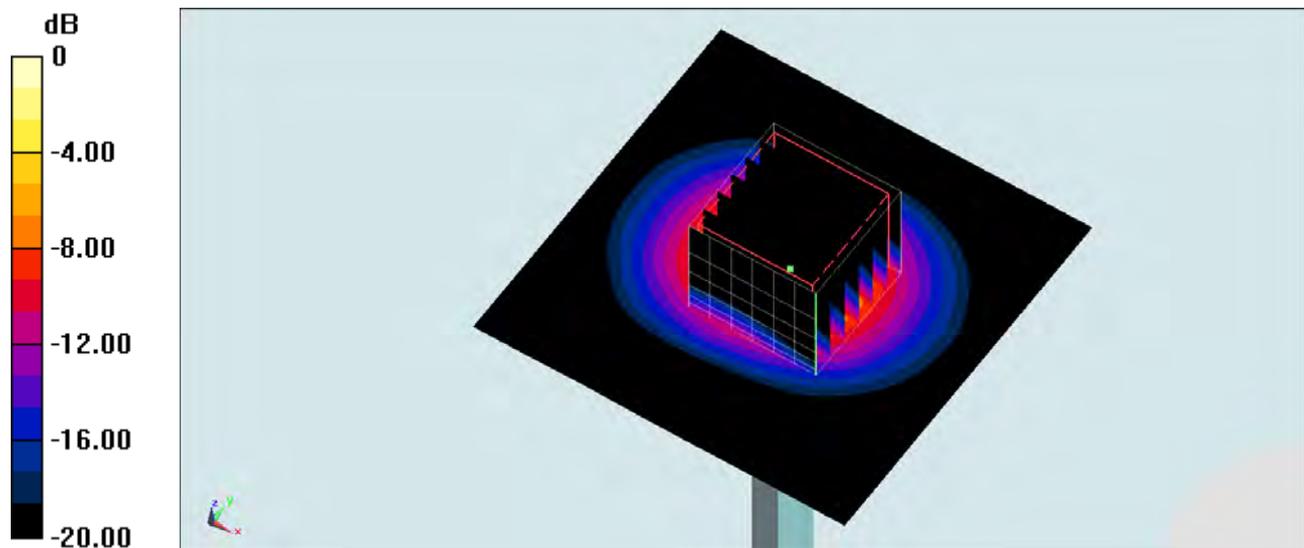
Configuration/Pin=100mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 45.287 V/m; Power Drift = -0.09 dB

Peak SAR (extrapolated) = 37.2 W/kg

SAR(1 g) = 8.12 W/kg; SAR(10 g) = 2.23 W/kg

Maximum value of SAR (measured) = 20.4 W/kg



System Check_Head_5800MHz_130817

DUT: D5GHzV2-SN:1128

Communication System: CW; Frequency: 5800 MHz; Duty Cycle: 1:1

Medium: HSL_5G_130817 Medium parameters used: $f = 5800$ MHz; $\sigma = 5.423$ S/m; $\epsilon_r = 34.346$; $\rho =$

1000 kg/m³

Ambient Temperature : 23.2 °C; Liquid Temperature : 22.2 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3792; ConvF(4.39, 4.39, 4.39); Calibrated: 2013/6/4;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1338; Calibrated: 2013/5/28
- Phantom: SAM LEFT; Type: QD000P40CD; Serial: TP:1718
- Measurement SW: DASY52, Version 52.8 (6); SEMCAD X Version 14.6.9 (7117)

Configuration/Pin=100mW/Area Scan (71x71x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 21.9 W/kg

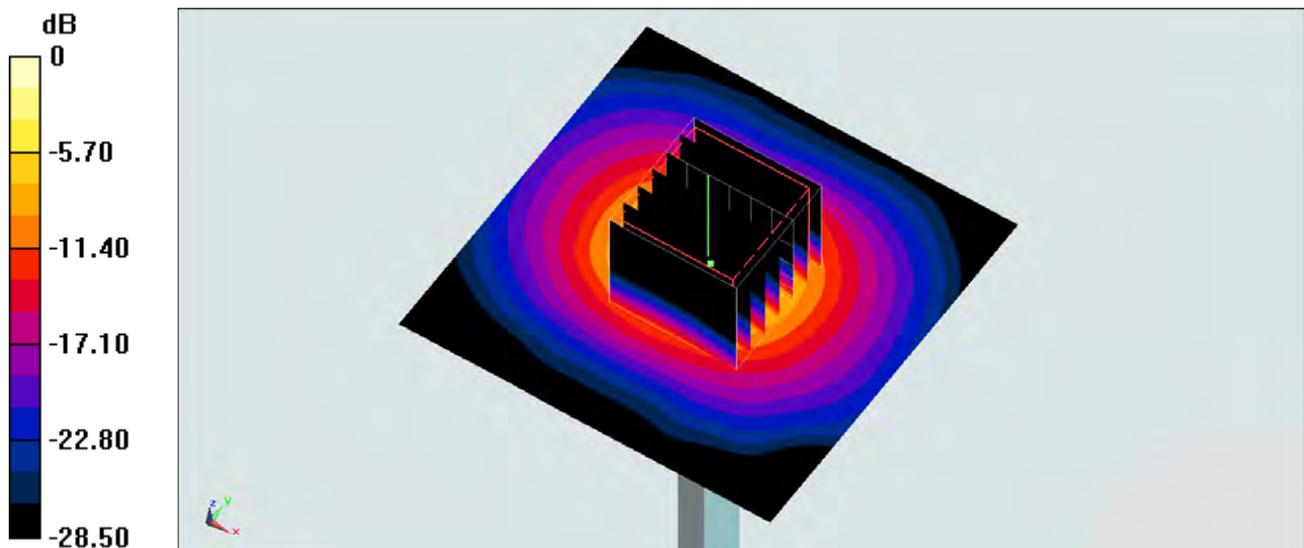
Configuration/Pin=100mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 42.388 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 53.9 W/kg

SAR(1 g) = 7.75 W/kg; SAR(10 g) = 2.03 W/kg

Maximum value of SAR (measured) = 22.1 W/kg



0 dB = 22.1 W/kg = 13.44 dBW/kg

System Check_Body_5800MHz_130819

DUT: D5GHzV2-SN:1128

Communication System: CW; Frequency: 5800 MHz; Duty Cycle: 1:1

Medium: MSL_5G_130819 Medium parameters used: $f = 5800 \text{ MHz}$; $\sigma = 5.956 \text{ S/m}$; $\epsilon_r = 46.473$; $\rho =$

1000 kg/m^3

Ambient Temperature : $23.7 \text{ }^\circ\text{C}$; Liquid Temperature : $22.7 \text{ }^\circ\text{C}$

DASY5 Configuration:

- Probe: EX3DV4 - SN3792; ConvF(3.92, 3.92, 3.92); Calibrated: 2013/6/4;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1338; Calibrated: 2013/5/28
- Phantom: SAM LEFT; Type: QD000P40CD; Serial: TP:1718
- Measurement SW: DASY52, Version 52.8 (6); SEMCAD X Version 14.6.9 (7117)

Configuration/Pin=100mW/Area Scan (71x71x1): Interpolated grid: $dx=1.000 \text{ mm}$, $dy=1.000 \text{ mm}$

Maximum value of SAR (interpolated) = 18.0 W/kg

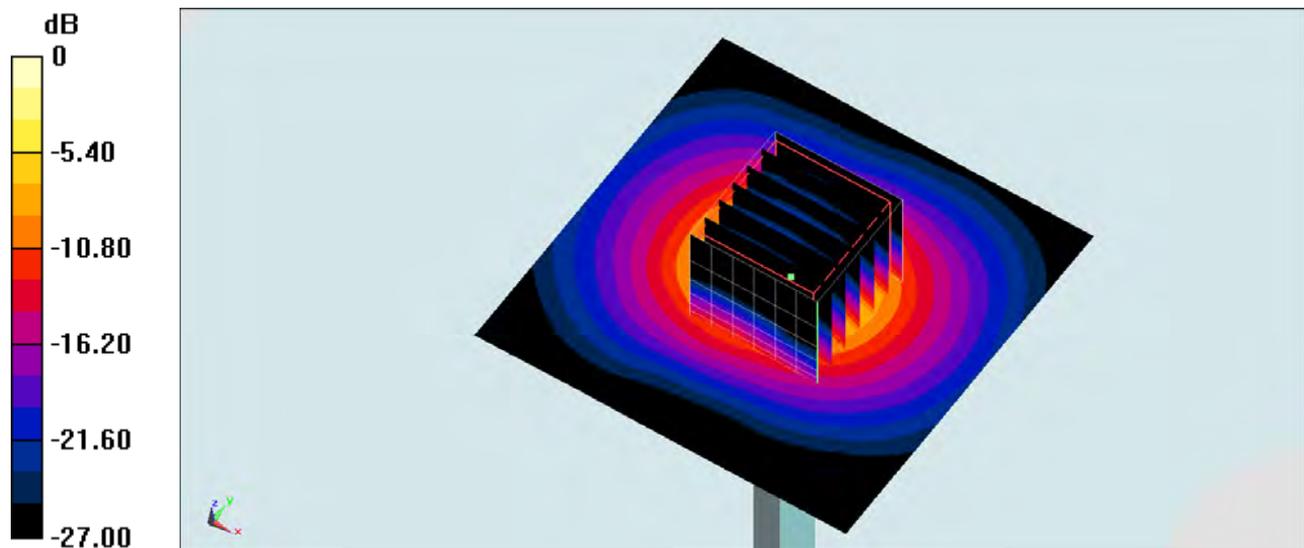
Configuration/Pin=100mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=4\text{mm}$, $dy=4\text{mm}$, $dz=1.4\text{mm}$

Reference Value = 43.209 V/m ; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 32.6 W/kg

SAR(1 g) = 7.16 W/kg ; SAR(10 g) = 1.96 W/kg

Maximum value of SAR (measured) = 18.2 W/kg



0 dB = 18.2 W/kg = 12.60 dBW/kg