

## System Check\_Head\_750MHz\_151221

### DUT: D750V3-1012

Communication System: CW ; Frequency: 750 MHz;Duty Cycle: 1:1

Medium: HSL\_750\_151221 Medium parameters used:  $f = 750 \text{ MHz}$ ;  $\sigma = 0.891 \text{ S/m}$ ;  $\epsilon_r = 42.919$ ;  $\rho = 1000 \text{ kg/m}^3$

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

#### DASY5 Configuration:

- Probe: EX3DV4 - SN3697; ConvF(9.13, 9.13, 9.13); Calibrated: 2015/9/28;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1399; Calibrated: 2015/11/23
- Phantom: SAM-Right; Type: SAM; Serial: 1795
- Measurement SW: DASY52, Version 52.8 (8);SEMCAD X Version 14.6.10 (7331)

**Configuration/Pin=250mW/Area Scan (61x61x1):** Interpolated grid:  $dx=1.500 \text{ mm}$ ,  $dy=1.500 \text{ mm}$

Maximum value of SAR (interpolated) =  $2.41 \text{ W/kg}$

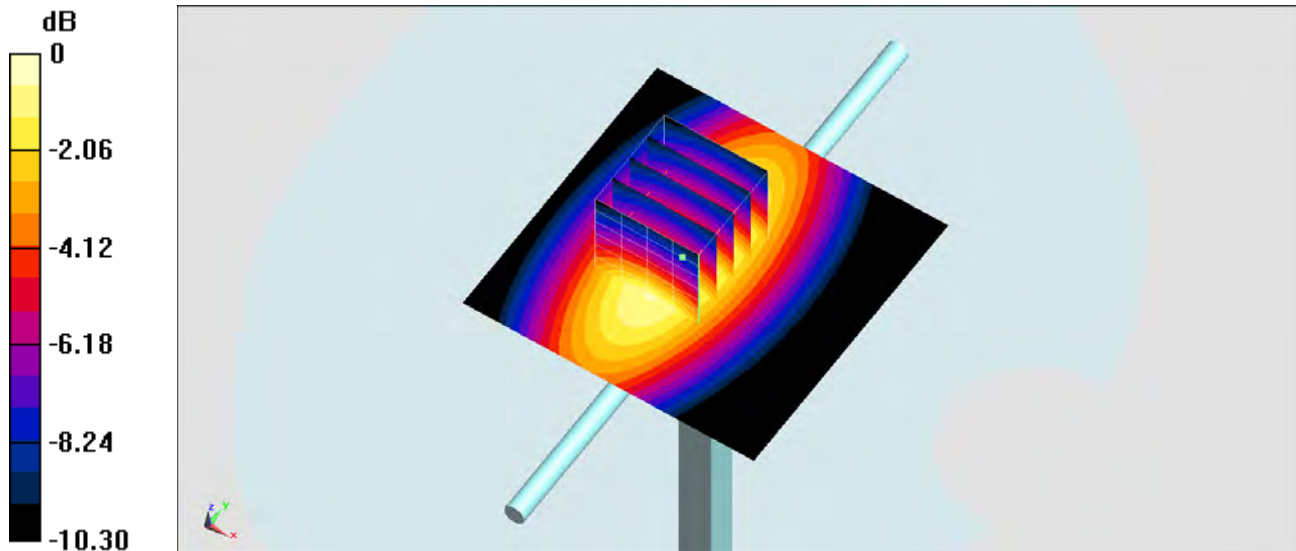
**Configuration/Pin=250mW/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$

Reference Value =  $52.98 \text{ V/m}$ ; Power Drift =  $-0.08 \text{ dB}$

Peak SAR (extrapolated) =  $2.97 \text{ W/kg}$

**SAR(1 g) =  $2.04 \text{ W/kg}$ ; SAR(10 g) =  $1.36 \text{ W/kg}$**

Maximum value of SAR (measured) =  $2.55 \text{ W/kg}$



0 dB =  $2.55 \text{ W/kg}$  =  $4.07 \text{ dBW/kg}$

**System Check\_Body\_750MHz\_151224****DUT: D750V3-1012**

Communication System: CW; Frequency: 750 MHz; Duty Cycle: 1:1

Medium: MSL\_750\_151224 Medium parameters used:  $f = 750 \text{ MHz}$ ;  $\sigma = 0.96 \text{ S/m}$ ;  $\epsilon_r = 54.663$ ;  $\rho = 1000 \text{ kg/m}^3$

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

**DASY5 Configuration:**

- Probe: ES3DV3 - SN3270; ConvF(6.3, 6.3, 6.3); Calibrated: 2015/9/28;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn778; Calibrated: 2015/8/25
- Phantom: SAM\_Left; Type: QD000P40CD; Serial: TP:1644
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

**Configuration/Pin=250mW/Area Scan (61x61x1):** Interpolated grid:  $dx=1.500 \text{ mm}$ ,  $dy=1.500 \text{ mm}$

Maximum value of SAR (interpolated) =  $2.99 \text{ W/kg}$

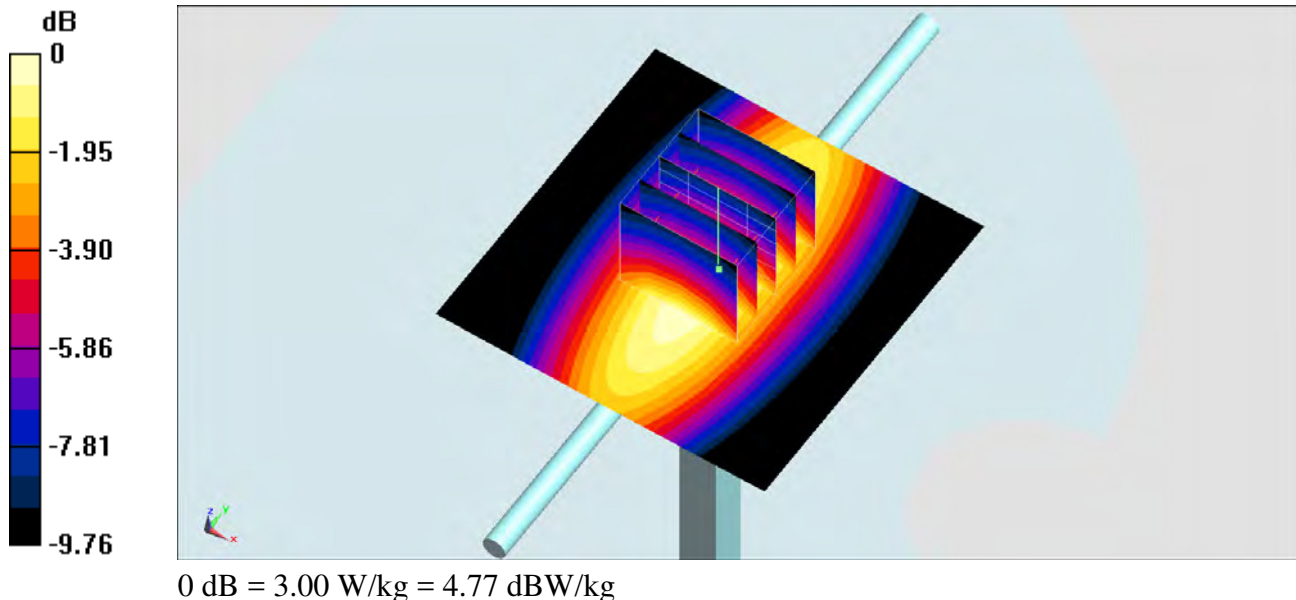
**Configuration/Pin=250mW/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$

Reference Value =  $59.48 \text{ V/m}$ ; Power Drift =  $0.03 \text{ dB}$

Peak SAR (extrapolated) =  $3.69 \text{ W/kg}$

**SAR(1 g) =  $2.34 \text{ W/kg}$ ; SAR(10 g) =  $1.55 \text{ W/kg}$**

Maximum value of SAR (measured) =  $3.00 \text{ W/kg}$



## System Check\_Head\_835MHz\_151216

### DUT: D835V2-499

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

Medium: HSL\_850\_151216 Medium parameters used:  $f = 835$  MHz;  $\sigma = 0.929$  S/m;  $\epsilon_r = 42.222$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

### DASY5 Configuration

- Probe: EX3DV4 - SN3931; ConvF(10.04, 10.04, 10.04); Calibrated: 2015/10/1;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn577; Calibrated: 2015/9/24
- Phantom: SAM\_Right; Type: QD000P40CD; Serial: S/N:1801
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

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

Maximum value of SAR (interpolated) = 3.06 W/kg

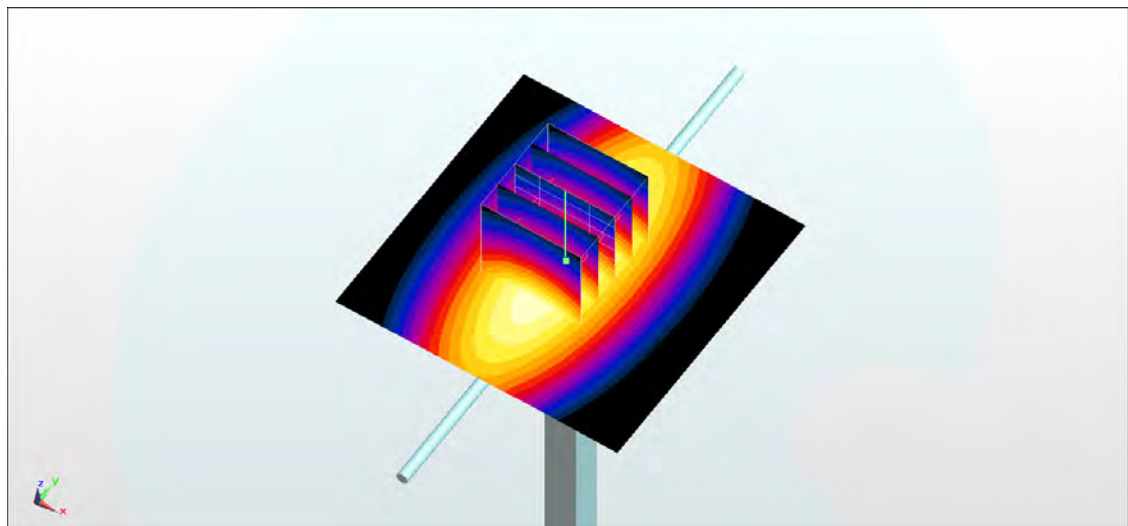
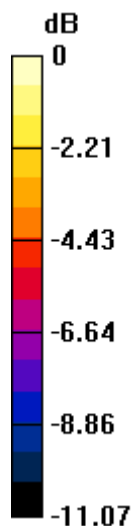
**Configuration/Pin=250mW/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 58.91 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 3.53 W/kg

**SAR(1 g) = 2.38 W/kg; SAR(10 g) = 1.55 W/kg**

Maximum value of SAR (measured) = 3.01 W/kg



0 dB = 3.01 W/kg = 4.79 dBW/kg

## System Check\_Head\_835MHz\_151218

### DUT: D835V2-499

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

Medium: HSL\_850\_151218 Medium parameters used:  $f = 835$  MHz;  $\sigma = 0.876$  S/m;  $\epsilon_r = 41.593$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.8 °C; Liquid Temperature : 22.8 °C

#### DASY5 Configuration:

- Probe: EX3DV4 - SN3697; ConvF(8.76, 8.76, 8.76); Calibrated: 2015/9/28;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1399; Calibrated: 2015/11/23
- Phantom: SAM-Right; Type: SAM; Serial: 1795
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

**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

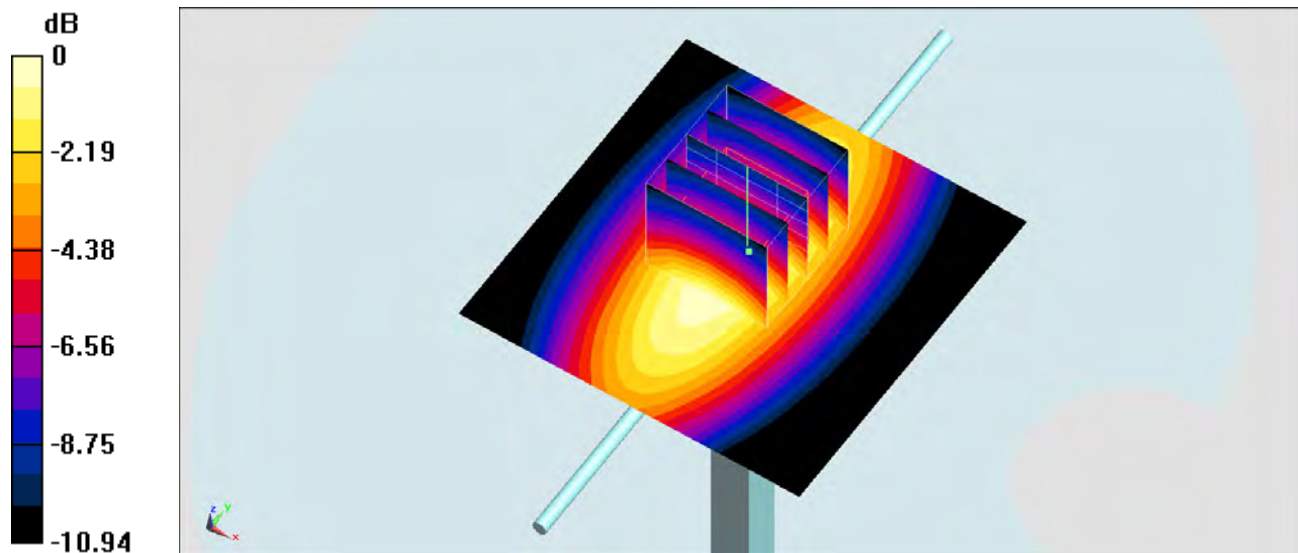
**Configuration/Pin=250mW/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 59.54 V/m; Power Drift = 0.19 dB

Peak SAR (extrapolated) = 3.50 W/kg

**SAR(1 g) = 2.37 W/kg; SAR(10 g) = 1.55 W/kg**

Maximum value of SAR (measured) = 3.00 W/kg



0 dB = 3.00 W/kg = 4.77 dBW/kg

## System Check\_Head\_835MHz\_160113

### DUT: D835V2-499

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

Medium: HSL\_850\_160113 Medium parameters used:  $f = 835$  MHz;  $\sigma = 0.908$  S/m;  $\epsilon_r = 41.584$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

#### DASY5 Configuration:

- Probe: ES3DV3 - SN3270; ConvF(6.32, 6.32, 6.32); Calibrated: 2015/9/28;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn778; Calibrated: 2015/8/25
- Phantom: SAM-Right; Type: SAM; Serial: 1795
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

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

Maximum value of SAR (interpolated) = 2.90 W/kg

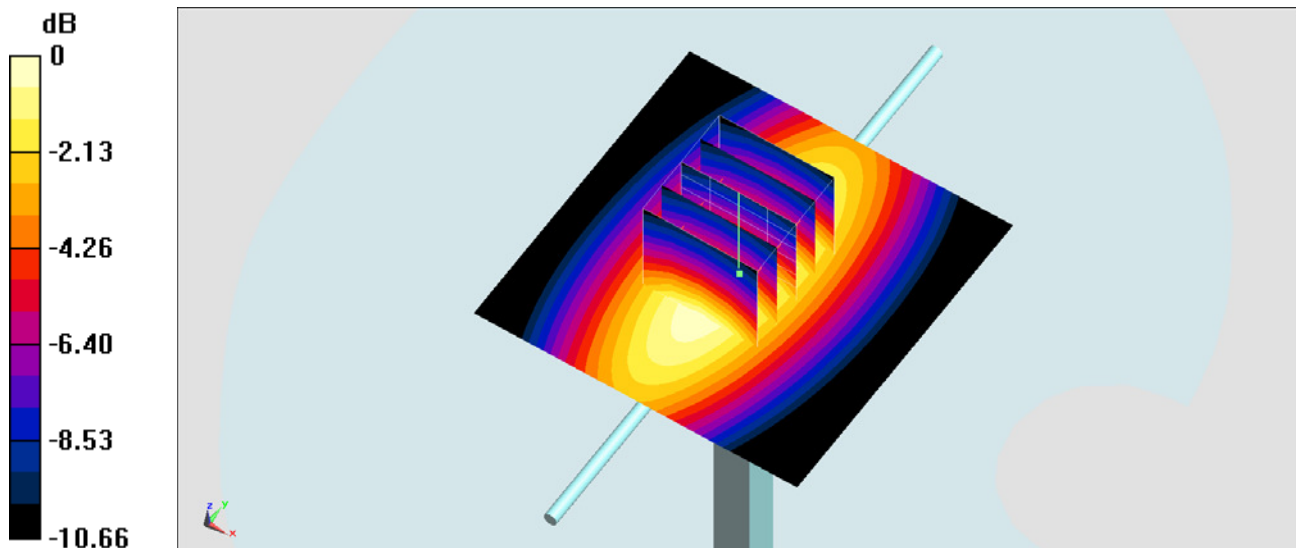
**Configuration/Pin=250mW/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 58.60 V/m; Power Drift = -0.06 dB

Peak SAR (extrapolated) = 3.63 W/kg

**SAR(1 g) = 2.46 W/kg; SAR(10 g) = 1.62 W/kg**

Maximum value of SAR (measured) = 2.89 W/kg



0 dB = 2.89 W/kg = 4.61 dBW/kg

## System Check\_Body\_835MHz\_151224

### DUT: D835V2-499

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

Medium: MSL\_850\_151224 Medium parameters used:  $f = 835 \text{ MHz}$ ;  $\sigma = 0.972 \text{ S/m}$ ;  $\epsilon_r = 55.117$ ;  $\rho = 1000 \text{ kg/m}^3$

Ambient Temperature :  $23.3 \text{ }^\circ\text{C}$ ; Liquid Temperature :  $22.3 \text{ }^\circ\text{C}$

#### DASY5 Configuration:

- Probe: ES3DV3 - SN3270; ConvF(6.24, 6.24, 6.24); Calibrated: 2015/9/28;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn778; Calibrated: 2015/8/25
- Phantom: SAM\_Left; Type: QD000P40CD; Serial: TP:1644
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

**Configuration/Pin=250mW/Area Scan (61x61x1):** Interpolated grid:  $dx=1.500 \text{ mm}$ ,  $dy=1.500 \text{ mm}$

Maximum value of SAR (interpolated) =  $2.83 \text{ W/kg}$

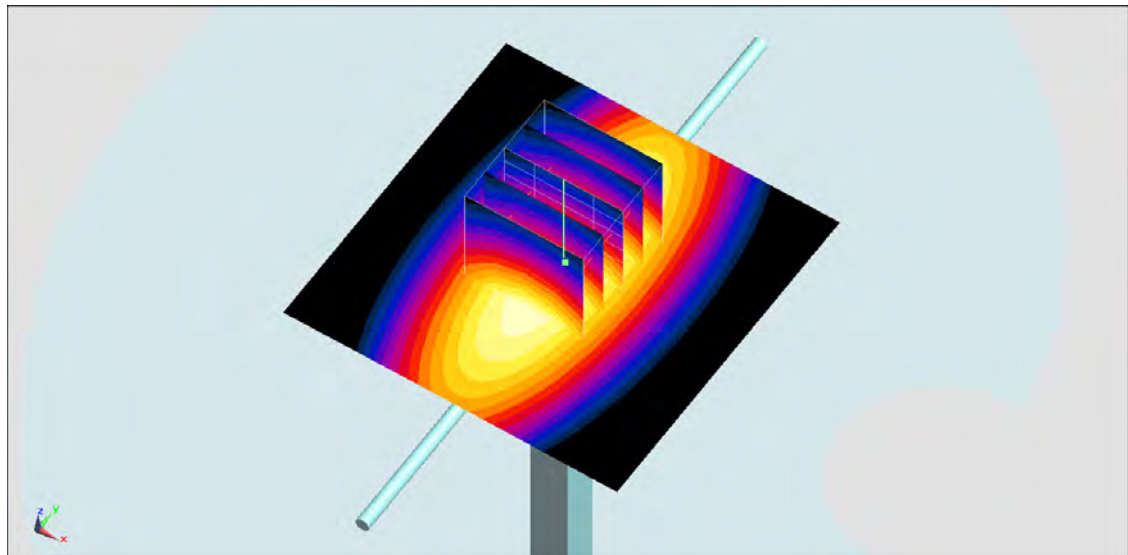
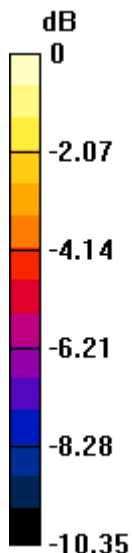
**Configuration/Pin=250mW/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$

Reference Value =  $56.11 \text{ V/m}$ ; Power Drift =  $-0.05 \text{ dB}$

Peak SAR (extrapolated) =  $3.52 \text{ W/kg}$

**SAR(1 g) =  $2.44 \text{ W/kg}$ ; SAR(10 g) =  $1.62 \text{ W/kg}$**

Maximum value of SAR (measured) =  $2.81 \text{ W/kg}$



0 dB =  $2.81 \text{ W/kg}$  =  $4.49 \text{ dBW/kg}$

## System Check\_Body\_835MHz\_160114

### DUT: D835V2-499

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

Medium: MSL\_850\_160114 Medium parameters used:  $f = 835$  MHz;  $\sigma = 0.991$  S/m;  $\epsilon_r = 56.603$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

#### DASY5 Configuration:

- Probe: ES3DV3 - SN3270; ConvF(6.24, 6.24, 6.24); Calibrated: 2015/9/28;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn778; Calibrated: 2015/8/25
- Phantom: SAM\_Left; Type: QD000P40CD; Serial: TP:1644
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

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

Maximum value of SAR (interpolated) = 2.88 W/kg

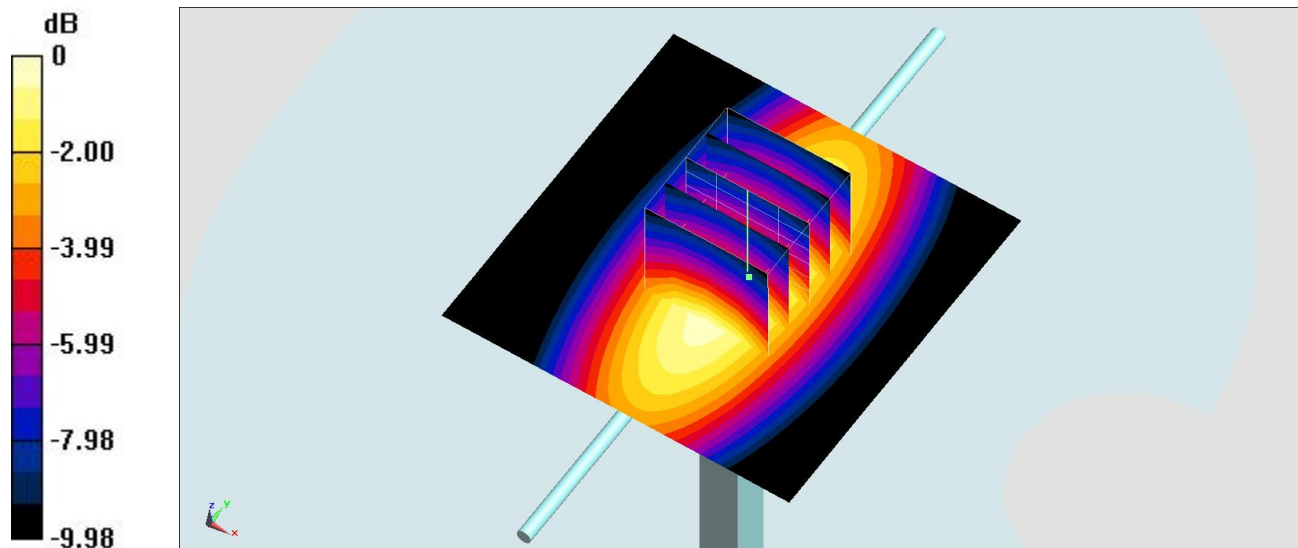
**Configuration/Pin=250mW/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 55.18 V/m; Power Drift = -0.11 dB

Peak SAR (extrapolated) = 3.58 W/kg

**SAR(1 g) = 2.51 W/kg; SAR(10 g) = 1.67 W/kg**

Maximum value of SAR (measured) = 2.92 W/kg



0 dB = 2.92 W/kg = 4.65 dBW/kg

## System Check\_Head\_1750MHz\_151225

### DUT: D1750V2\_1068

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

Medium: HSL\_1750\_151225 Medium parameters used:  $f = 1750$  MHz;  $\sigma = 1.387$  S/m;  $\epsilon_r = 38.886$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

#### DASY5 Configuration:

- Probe: EX3DV4 - SN3697; ConvF(7.73, 7.73, 7.73); Calibrated: 2015/9/28;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1399; Calibrated: 2015/11/23
- Phantom: SAM-Right; Type: SAM; Serial: 1795
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

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

Maximum value of SAR (interpolated) = 14.1 W/kg

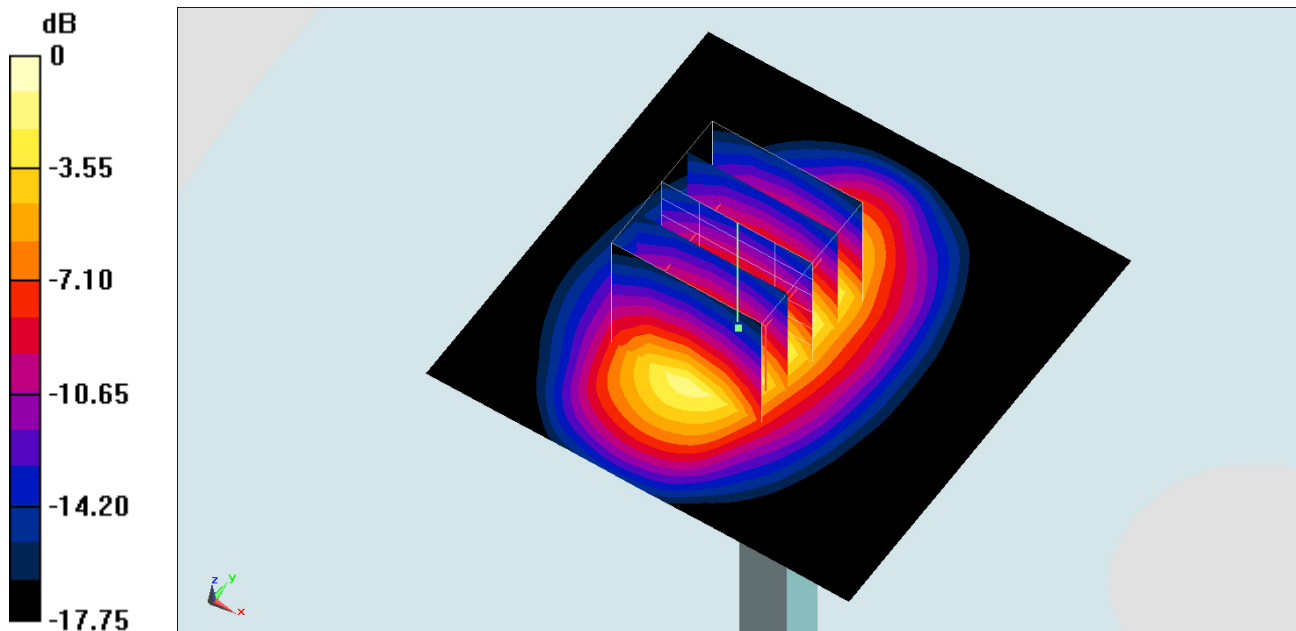
**Configuration/Pin=250mW/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 94.21 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 17.0 W/kg

**SAR(1 g) = 9.44 W/kg; SAR(10 g) = 4.99 W/kg**

Maximum value of SAR (measured) = 13.3 W/kg



0 dB = 13.3 W/kg = 11.24 dBW/kg

**System Check\_Body\_1750MHz\_151223****DUT: D1750V2\_1068**

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

Medium: MSL\_1750\_151223 Medium parameters used:  $f = 1750$  MHz;  $\sigma = 1.477$  S/m;  $\epsilon_r = 54.431$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

**DASY5 Configuration:**

- Probe: EX3DV4 - SN3697; ConvF(7.34, 7.34, 7.34); Calibrated: 2015/9/28;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1399; Calibrated: 2015/11/23
- Phantom: SAM\_Left; Type: QD000P40CD; Serial: TP:1644
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

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

Maximum value of SAR (interpolated) = 14.3 W/kg

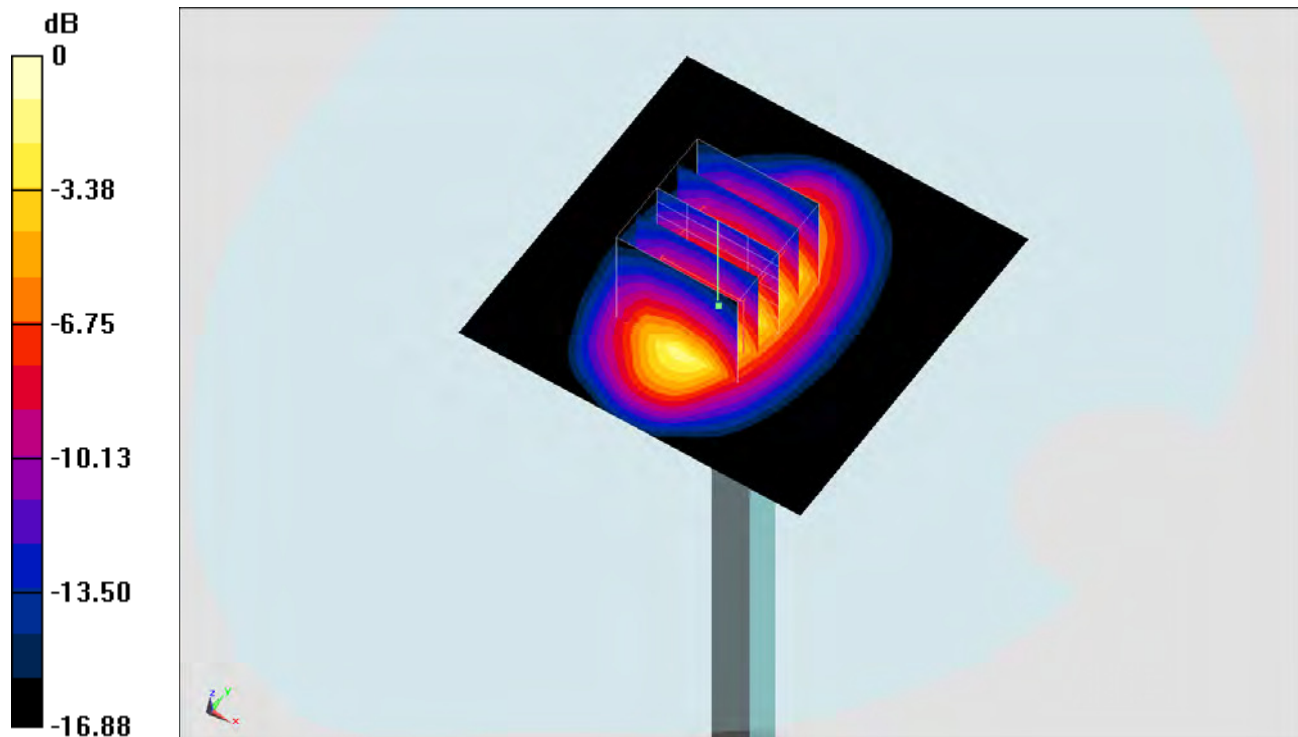
**Configuration/Pin=250mW/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 95.02 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 16.5 W/kg

**SAR(1 g) = 9.44 W/kg; SAR(10 g) = 5.07 W/kg**

Maximum value of SAR (measured) = 13.0 W/kg



0 dB = 13.0 W/kg = 11.14 dBW/kg

## System Check\_Head\_1900MHz\_151224

### DUT: D1900V2\_5d041

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

Medium: HSL\_1900\_151224 Medium parameters used:  $f = 1900$  MHz;  $\sigma = 1.435$  S/m;  $\epsilon_r = 39.113$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

#### DASY5 Configuration:

- Probe: EX3DV4 - SN3697; ConvF(7.47, 7.47, 7.47); Calibrated: 2015/9/28;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1399; Calibrated: 2015/11/23
- Phantom: SAM-Right; Type: SAM; Serial: 1795
- Measurement SW: DASY52, Version 52.8 (8);SEMCAD X Version 14.6.10 (7331)

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

Maximum value of SAR (interpolated) = 15.2 W/kg

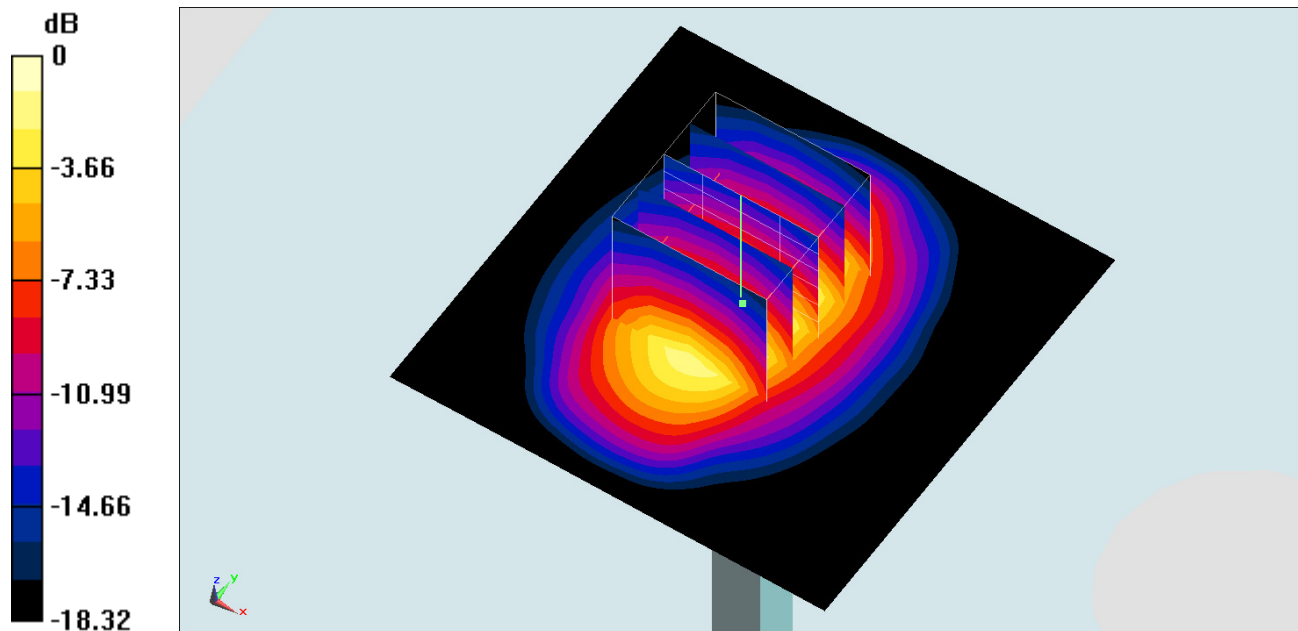
**Configuration/Pin=250mW/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 102.4 V/m; Power Drift = 0.06 dB

Peak SAR (extrapolated) = 19.3 W/kg

**SAR(1 g) = 10.5 W/kg; SAR(10 g) = 5.45 W/kg**

Maximum value of SAR (measured) = 14.9 W/kg



0 dB = 14.9 W/kg = 11.73 dBW/kg

## System Check\_Head\_1900MHz\_151224

### DUT: D1900V2\_5d041

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

Medium: HSL\_1900\_151224 Medium parameters used:  $f = 1900$  MHz;  $\sigma = 1.435$  S/m;  $\epsilon_r = 39.113$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

#### DASY5 Configuration:

- Probe: ES3DV3 - SN3270; ConvF(5.12, 5.12, 5.12); Calibrated: 2015/9/28;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn778; Calibrated: 2015/8/25
- Phantom: SAM-Right; Type: SAM; Serial: 1795
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

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

Maximum value of SAR (interpolated) = 14.8 W/kg

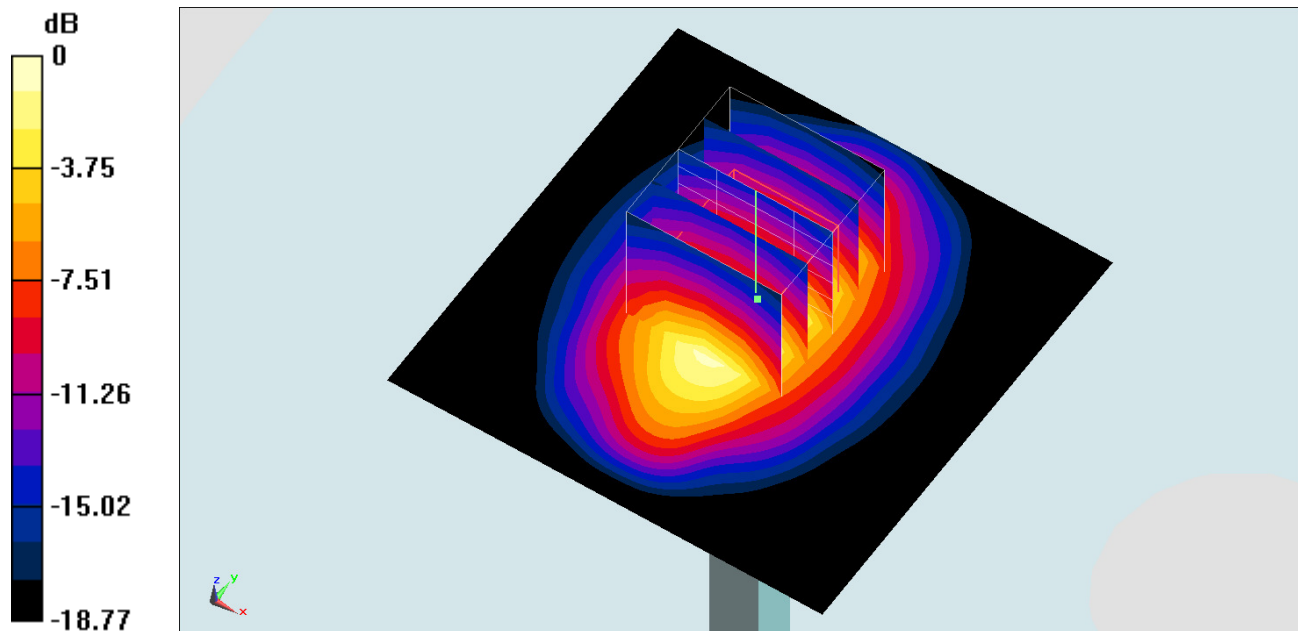
**Configuration/Pin=250mW/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 108.3 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 18.8 W/kg

**SAR(1 g) = 10 W/kg; SAR(10 g) = 5.15 W/kg**

Maximum value of SAR (measured) = 14.3 W/kg



0 dB = 14.3 W/kg = 11.55 dBW/kg

**System Check\_Head\_1900MHz\_160113****DUT: D1900V2\_5d041**

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

Medium: HSL\_1900\_160113 Medium parameters used:  $f = 1900$  MHz;  $\sigma = 1.397$  S/m;  $\epsilon_r = 39.851$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

**DASY5 Configuration:**

- Probe: ES3DV3 - SN3270; ConvF(5.12, 5.12, 5.12); Calibrated: 2015/9/28;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn778; Calibrated: 2015/8/25
- Phantom: SAM\_Left; Type: QD000P40CD; Serial: TP:1644
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

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

Maximum value of SAR (interpolated) = 14.5 W/kg

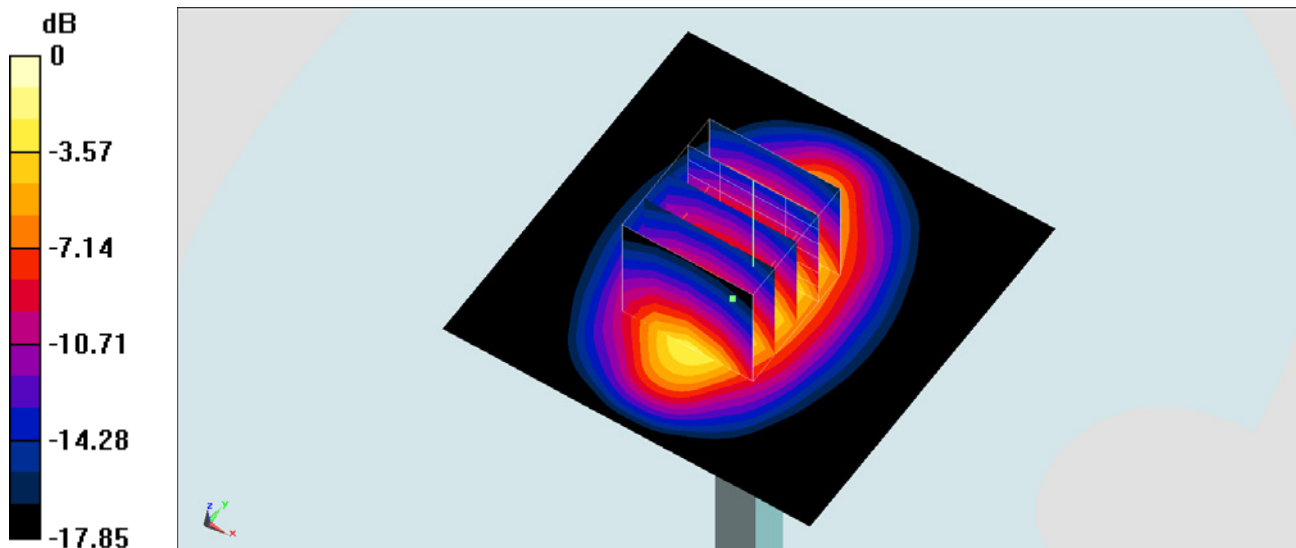
**Configuration/Pin=250mW/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 108.1 V/m; Power Drift = 0.10 dB

Peak SAR (extrapolated) = 18.3 W/kg

**SAR(1 g) = 9.89 W/kg; SAR(10 g) = 5.14 W/kg**

Maximum value of SAR (measured) = 13.8 W/kg



0 dB = 13.8 W/kg = 11.40 dBW/kg

## System Check\_Body\_1900MHz\_151222

### DUT: D1900V2\_5d041

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

Medium: MSL\_1900\_151222 Medium parameters used:  $f = 1900$  MHz;  $\sigma = 1.58$  S/m;  $\epsilon_r = 54.709$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

#### DASY5 Configuration:

- Probe: EX3DV4 - SN3697; ConvF(7.17, 7.17, 7.17); Calibrated: 2015/9/28;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1399; Calibrated: 2015/11/23
- Phantom: SAM\_Left; Type: QD000P40CD; Serial: TP:1644
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

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

Maximum value of SAR (interpolated) = 15.4 W/kg

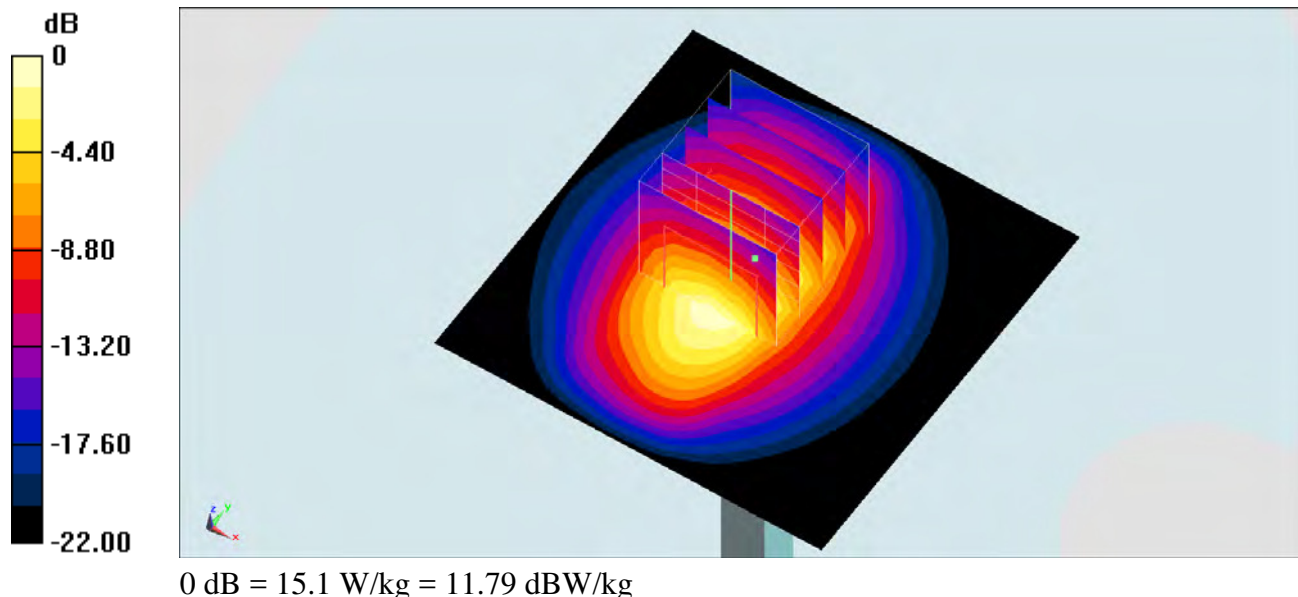
**Configuration/Pin=250mW/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 93.73 V/m; Power Drift = -0.06 dB

Peak SAR (extrapolated) = 17.5 W/kg

**SAR(1 g) = 9.93 W/kg; SAR(10 g) = 5.21 W/kg**

Maximum value of SAR (measured) = 15.1 W/kg



## System Check\_Body\_1900MHz\_151222

### DUT: D1900V2\_5d041

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

Medium: MSL\_1900\_151222 Medium parameters used:  $f = 1900$  MHz;  $\sigma = 1.58$  S/m;  $\epsilon_r = 54.709$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

#### DASY5 Configuration:

- Probe: EX3DV4 - SN3931; ConvF(7.94, 7.94, 7.94); Calibrated: 2015/10/1;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn577; Calibrated: 2015/9/24
- Phantom: SAM\_Left; Type: QD000P40CD; Serial: TP:1644
- Measurement SW: DASY52, Version 52.8 (8);SEMCAD X Version 14.6.10 (7331)

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

Maximum value of SAR (interpolated) = 15.6 W/kg

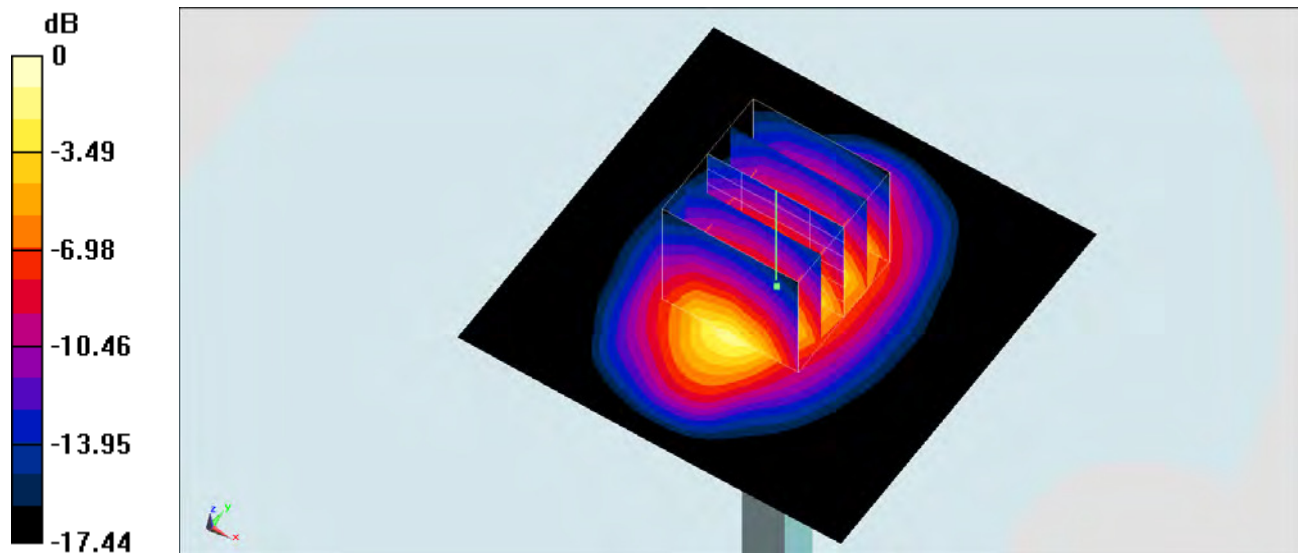
**Configuration/Pin=250mW/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 103.0 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 18.2 W/kg

**SAR(1 g) = 10.2 W/kg; SAR(10 g) = 5.36 W/kg**

Maximum value of SAR (measured) = 15.5 W/kg



0 dB = 15.5 W/kg = 11.90 dBW/kg

## System Check\_Body\_1900MHz\_151222

### DUT: D1900V2\_5d041

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

Medium: MSL\_1900\_151222 Medium parameters used:  $f = 1900$  MHz;  $\sigma = 1.58$  S/m;  $\epsilon_r = 54.709$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

#### DASY5 Configuration:

- Probe: ES3DV3 - SN3270; ConvF(4.78, 4.78, 4.78); Calibrated: 2015/9/28;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn778; Calibrated: 2015/8/25
- Phantom: SAM\_Left; Type: QD000P40CD; Serial: TP:1644
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

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

Maximum value of SAR (interpolated) = 13.0 W/kg

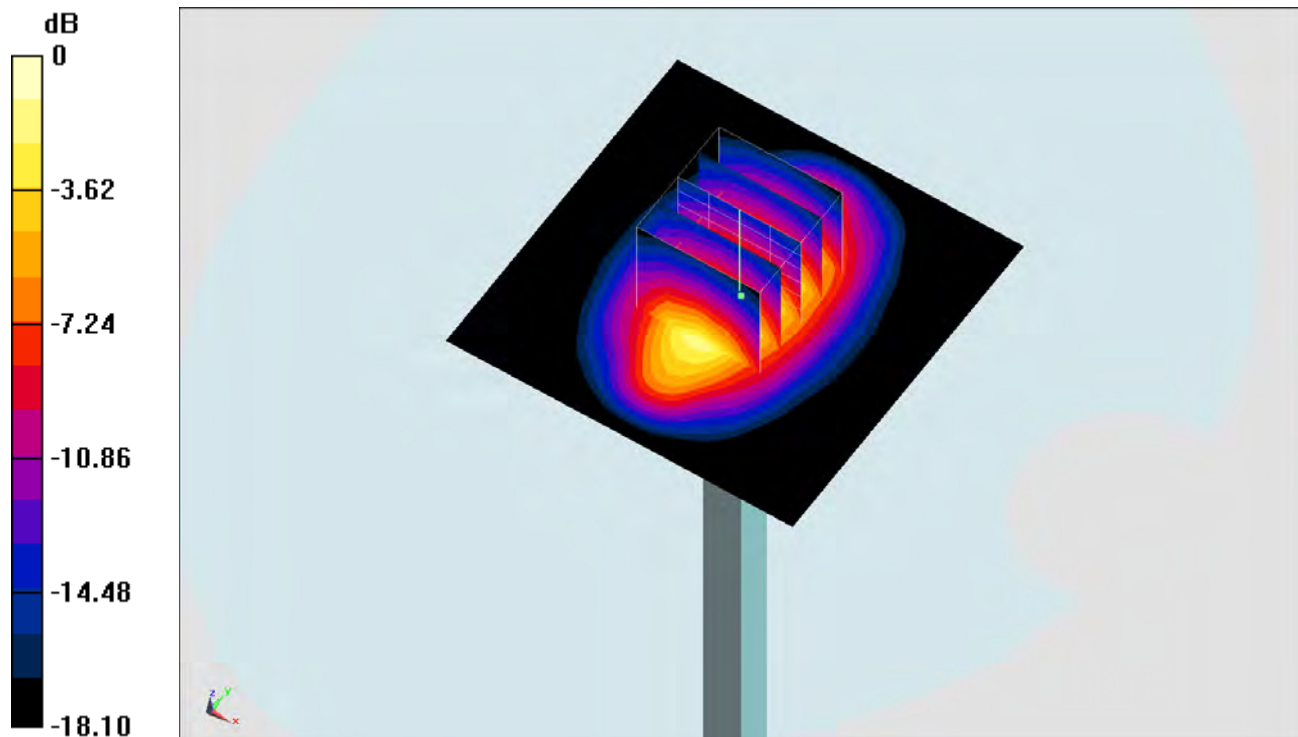
**Configuration/Pin=250mW/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 98.47 V/m; Power Drift = -0.14 dB

Peak SAR (extrapolated) = 17.9 W/kg

**SAR(1 g) = 9.55 W/kg; SAR(10 g) = 4.88 W/kg**

Maximum value of SAR (measured) = 13.8 W/kg



0 dB = 13.8 W/kg = 11.40 dBW/kg

**System Check\_Body\_1900MHz\_160114****DUT: D1900V2-5d041**

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

Medium: MSL\_1900\_160114 Medium parameters used:  $f = 1900$  MHz;  $\sigma = 1.527$  S/m;  $\epsilon_r = 52.677$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

**DASY5 Configuration:**

- Probe: ES3DV3 - SN3270; ConvF(4.78, 4.78, 4.78); Calibrated: 2015/9/28;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn778; Calibrated: 2015/8/25
- Phantom: SAM\_Left; Type: QD000P40CD; Serial: TP:1644
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

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

Maximum value of SAR (interpolated) = 12.6 W/kg

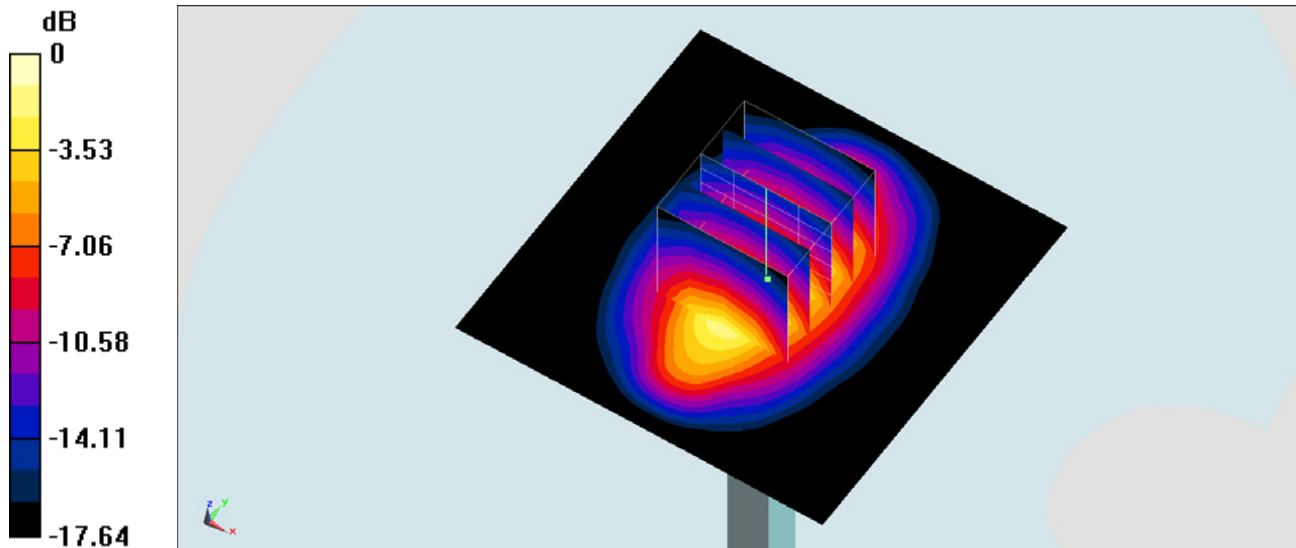
**Configuration/Pin=250mW/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 98.47 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 17.3 W/kg

**SAR(1 g) = 9.23 W/kg; SAR(10 g) = 4.72 W/kg**

Maximum value of SAR (measured) = 13.3 W/kg



0 dB = 13.3 W/kg = 11.24 dBW/kg

## System Check\_Head\_2450MHz\_151223

### DUT: D2450V2-736

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

Medium: HSL\_2450\_151223 Medium parameters used:  $f = 2450$  MHz;  $\sigma = 1.787$  S/m;  $\epsilon_r = 39.287$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

### DASY5 Configuration

- Probe: EX3DV4 - SN3925; ConvF(7.38, 7.38, 7.38); Calibrated: 2015/5/27;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn495; Calibrated: 2015/5/22
- Phantom: SAM\_Right; Type: QD000P40CD; Serial: S/N:1801
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

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

Maximum value of SAR (interpolated) = 22.2 W/kg

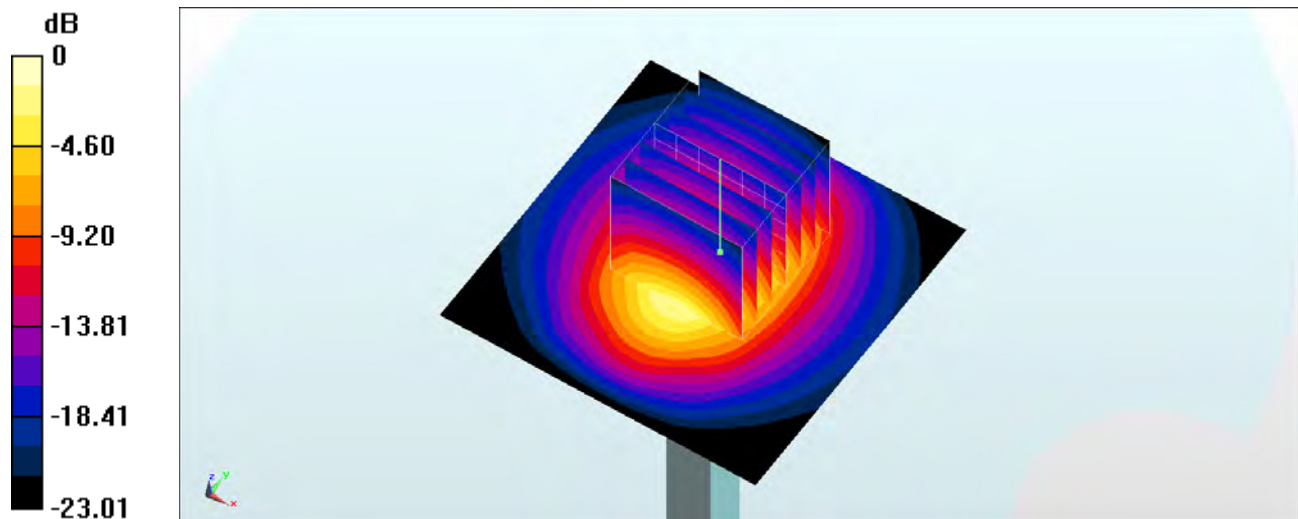
**Configuration/Pin=250mW/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 106.9 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 28.8 W/kg

**SAR(1 g) = 13.3 W/kg; SAR(10 g) = 6.15 W/kg**

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



0 dB = 20.4 W/kg = 13.10 dBW/kg

## System Check\_Body\_2450MHz\_151223

### DUT: D2450V2-736

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

Medium: MSL\_2450\_151223 Medium parameters used:  $f = 2450$  MHz;  $\sigma = 1.99$  S/m;  $\epsilon_r = 52.35$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

### DASY5 Configuration

- Probe: EX3DV4 - SN3925; ConvF(7.54, 7.54, 7.54); Calibrated: 2015/5/27;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn495; Calibrated: 2015/5/22
- Phantom: SAM\_Left; Type: QD000P40CD; Serial: S/N:1796
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

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

Maximum value of SAR (interpolated) = 20.5 W/kg

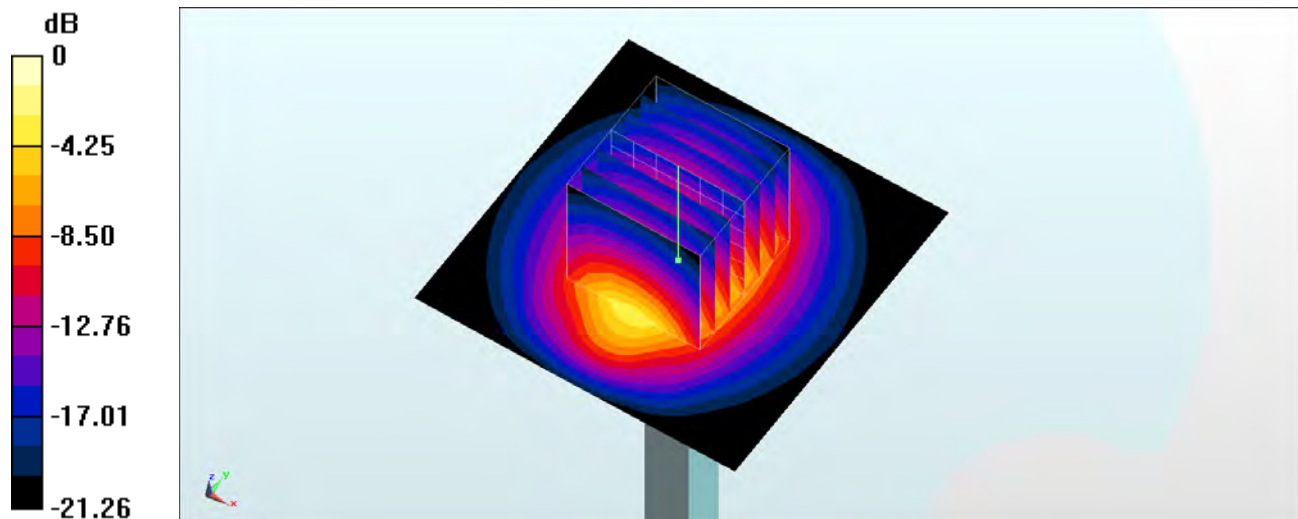
**Configuration/Pin=250mW/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 103.3 V/m; Power Drift = 0.00 dB

Peak SAR (extrapolated) = 25.3 W/kg

**SAR(1 g) = 12.4 W/kg; SAR(10 g) = 5.8 W/kg**

Maximum value of SAR (measured) = 20.6 W/kg



0 dB = 20.6 W/kg = 13.14 dBW/kg

## System Check\_Head\_2600MHz\_151225

### DUT: D2600V2-1113

Communication System: CW ; Frequency: 2600 MHz;Duty Cycle: 1:1

Medium: HSL2600\_151225 Medium parameters used:  $f = 2600$  MHz;  $\sigma = 1.99$  S/m;  $\epsilon_r = 40.13$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

#### DASY5 Configuration:

- Probe: EX3DV4 - SN3925; ConvF(7.17, 7.17, 7.17); Calibrated: 2015/5/27;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn495; Calibrated: 2015/5/22
- Phantom: SAM\_Left; Type: QD000P40CD; Serial: TP:1644
- Measurement SW: DASY52, Version 52.8 (8);SEMCAD X Version 14.6.10 (7331)

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

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

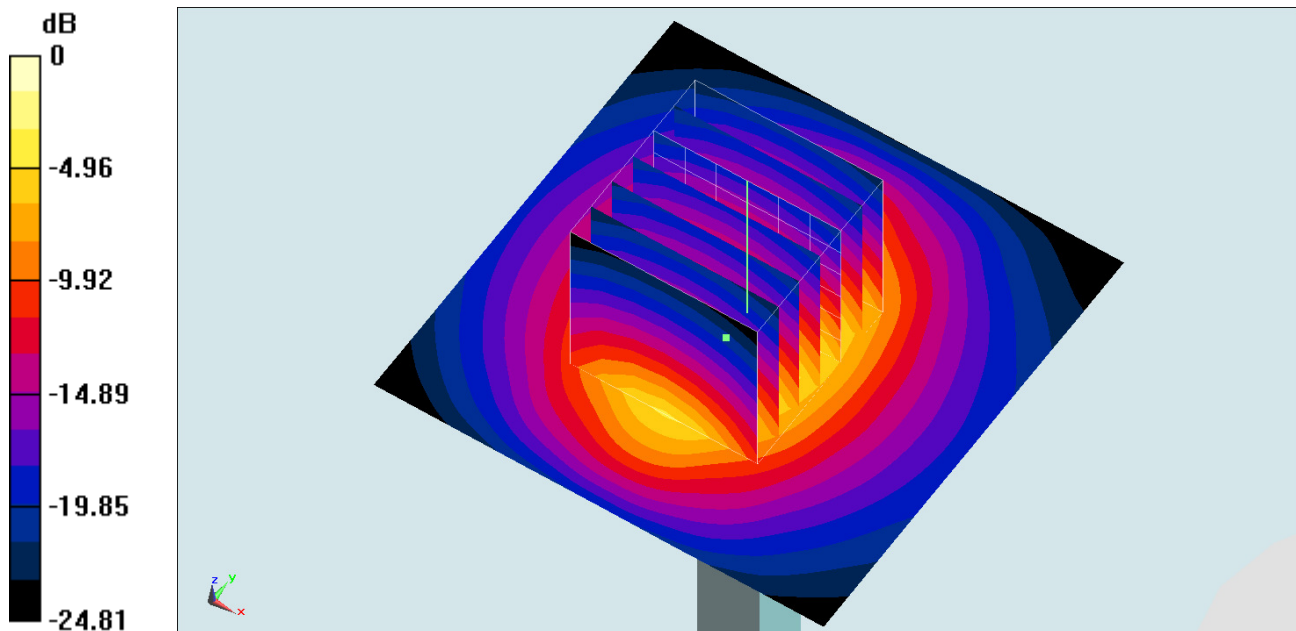
**Configuration/Pin=250mW/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 108.5 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 28.3 W/kg

**SAR(1 g) = 13 W/kg; SAR(10 g) = 5.74 W/kg**

Maximum value of SAR (measured) = 22.3 W/kg



0 dB = 22.3 W/kg = 13.48 dBW/kg

## System Check\_Body\_2600MHz\_151223

### DUT: D2600V2-1113

Communication System: CW; Frequency: 2600 MHz; Duty Cycle: 1:1

Medium: MSL\_2600\_151223 Medium parameters used:  $f = 2600$  MHz;  $\sigma = 2.201$  S/m;  $\epsilon_r = 51.843$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

#### DASY5 Configuration:

- Probe: ES3DV3 - SN3270; ConvF(4.27, 4.27, 4.27); Calibrated: 2015/9/28;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn778; Calibrated: 2015/8/25
- Phantom: SAM-Right; Type: SAM; Serial: 1795
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

**Configuration/Pin=250mW/Area Scan (71x71x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm

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

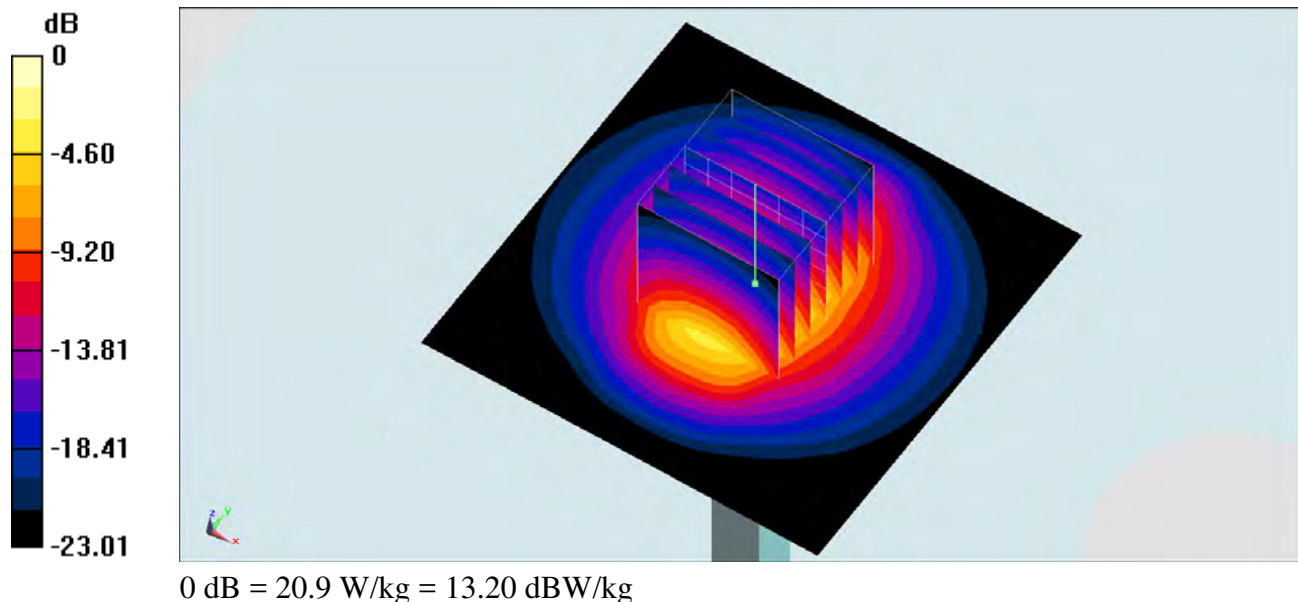
**Configuration/Pin=250mW/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 104.6 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 29.0 W/kg

**SAR(1 g) = 13.4 W/kg; SAR(10 g) = 5.98 W/kg**

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



## System Check\_Head\_5300MHz\_151225

### DUT: D5GHzV2-1006-5300

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

Medium: HSL\_5G\_151225 Medium parameters used:  $f = 5300$  MHz;  $\sigma = 4.535$  S/m;  $\epsilon_r = 36.613$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

### DASY5 Configuration

- Probe: EX3DV4 - SN3925; ConvF(5.14, 5.14, 5.14); Calibrated: 2015/5/27;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn495; Calibrated: 2015/5/22
- Phantom: SAM\_Right; Type: QD000P40CD; Serial: S/N:1801
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

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

Maximum value of SAR (interpolated) = 18.8 W/kg

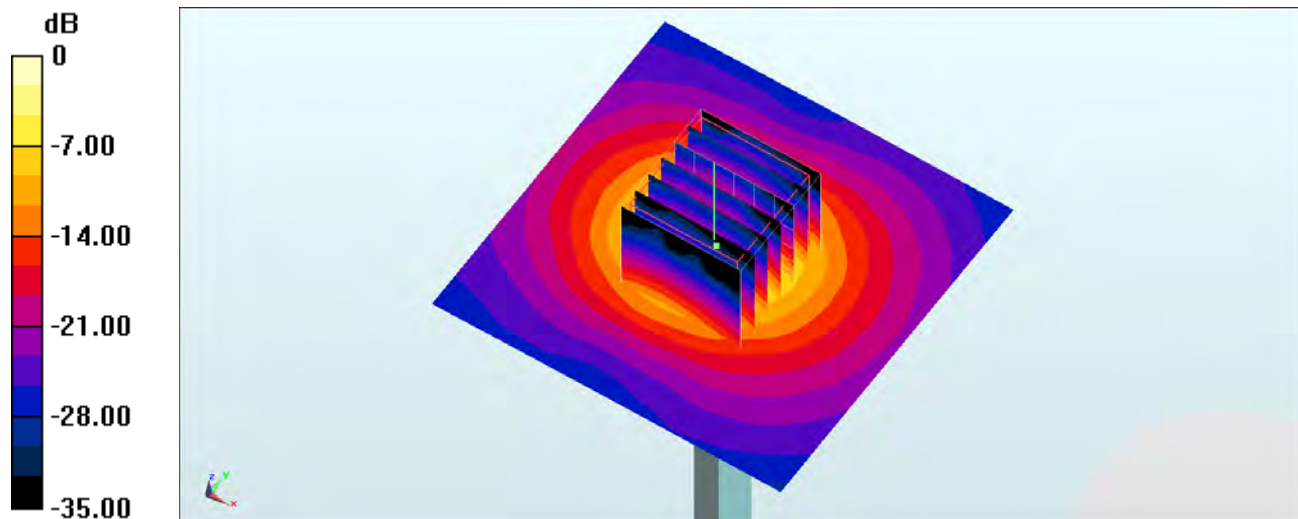
**Configuration/Pin=100mW/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 68.97 V/m; Power Drift = 0.06 dB

Peak SAR (extrapolated) = 30.4 W/kg

**SAR(1 g) = 7.87 W/kg; SAR(10 g) = 2.19 W/kg**

Maximum value of SAR (measured) = 19.0 W/kg



0 dB = 19.0 W/kg = 12.79 dBW/kg

## System Check\_Body\_5300MHz\_151224

### DUT: D5GHzV2-1006-5300

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

Medium: MSL\_5G\_151224 Medium parameters used:  $f = 5300$  MHz;  $\sigma = 5.619$  S/m;  $\epsilon_r = 46.77$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

#### DASY5 Configuration

- Probe: EX3DV4 - SN3925; ConvF(4.43, 4.43, 4.43); Calibrated: 2015/5/27;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn495; Calibrated: 2015/5/22
- Phantom: SAM\_Right; Type: QD000P40CD; Serial: S/N:1801
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

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

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

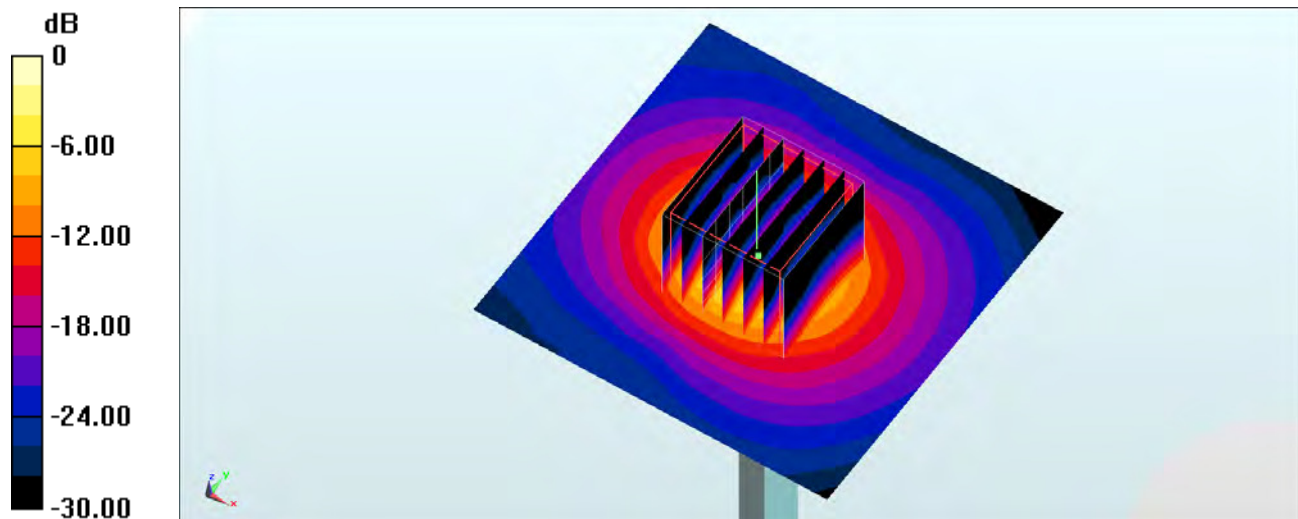
**Configuration/Pin=100mW/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 68.65 V/m; Power Drift = -0.11 dB

Peak SAR (extrapolated) = 38.0 W/kg

**SAR(1 g) = 8.14 W/kg; SAR(10 g) = 2.18 W/kg**

Maximum value of SAR (measured) = 21.1 W/kg



0 dB = 21.1 W/kg = 13.24 dBW/kg

## System Check\_Head\_5600MHz\_151225

### DUT: D5GHzV2-1006-5600

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

Medium: HSL\_5G\_151225 Medium parameters used:  $f = 5600$  MHz;  $\sigma = 4.831$  S/m;  $\epsilon_r = 36.234$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

### DASY5 Configuration

- Probe: EX3DV4 - SN3925; ConvF(4.68, 4.68, 4.68); Calibrated: 2015/5/27;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn495; Calibrated: 2015/5/22
- Phantom: SAM\_Right; Type: QD000P40CD; Serial: S/N:1801
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

**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

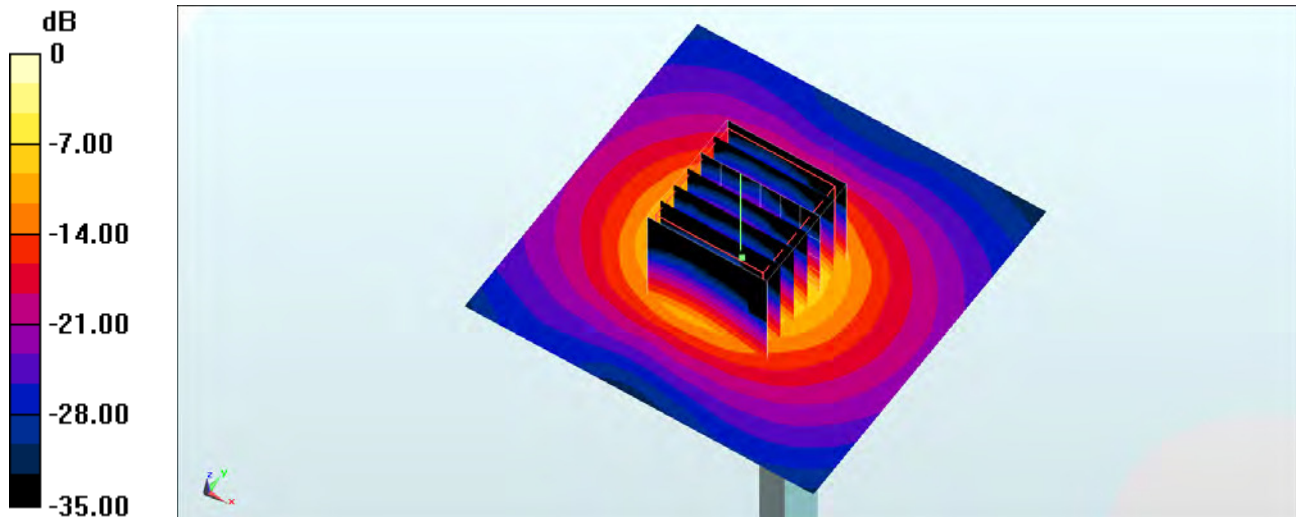
**Configuration/Pin=100mW/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 69.86 V/m; Power Drift = 0.14 dB

Peak SAR (extrapolated) = 35.3 W/kg

**SAR(1 g) = 8.12 W/kg; SAR(10 g) = 2.22 W/kg**

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



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

## System Check\_Head\_5600MHz\_151225

### DUT: D5GHzV2-1128-5600

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

Medium: HSL\_5G\_151225 Medium parameters used:  $f = 5600$  MHz;  $\sigma = 4.831$  S/m;  $\epsilon_r = 36.234$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

### DASY5 Configuration

- Probe: EX3DV4 - SN3931; ConvF(4.42, 4.42, 4.42); Calibrated: 2015/10/1;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn577; Calibrated: 2015/9/24
- Phantom: SAM\_Right; Type: QD000P40CD; Serial: S/N:1801
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

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

Maximum value of SAR (interpolated) = 20.6 W/kg

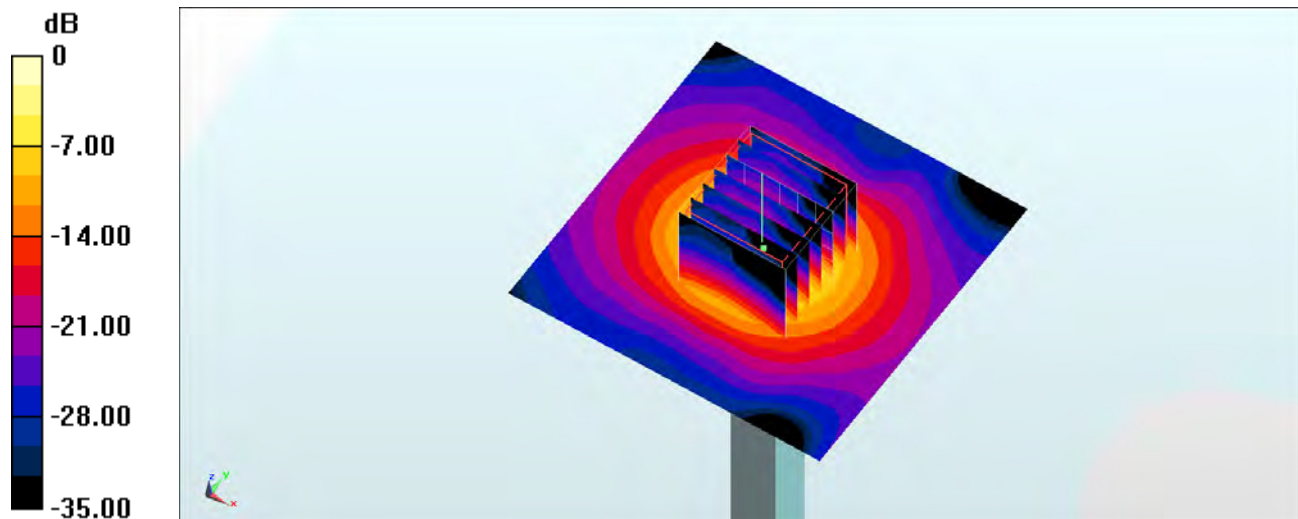
**Configuration/Pin=100mW/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 76.58 V/m; Power Drift = -0.19 dB

Peak SAR (extrapolated) = 35.4 W/kg

**SAR(1 g) = 8.46 W/kg; SAR(10 g) = 2.35 W/kg**

Maximum value of SAR (measured) = 21.2 W/kg



0 dB = 21.2 W/kg = 13.26 dBW/kg

## System Check\_Body\_5600MHz\_151224

### DUT: D5GHzV2-1006-5600

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

Medium: MSL\_5G\_151224 Medium parameters used:  $f = 5600$  MHz;  $\sigma = 6.012$  S/m;  $\epsilon_r = 46.263$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

#### DASY5 Configuration

- Probe: EX3DV4 - SN3925; ConvF(4.1, 4.1, 4.1); Calibrated: 2015/5/27;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn495; Calibrated: 2015/5/22
- Phantom: SAM\_Right; Type: QD000P40CD; Serial: S/N:1801
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

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

Maximum value of SAR (interpolated) = 22.0 W/kg

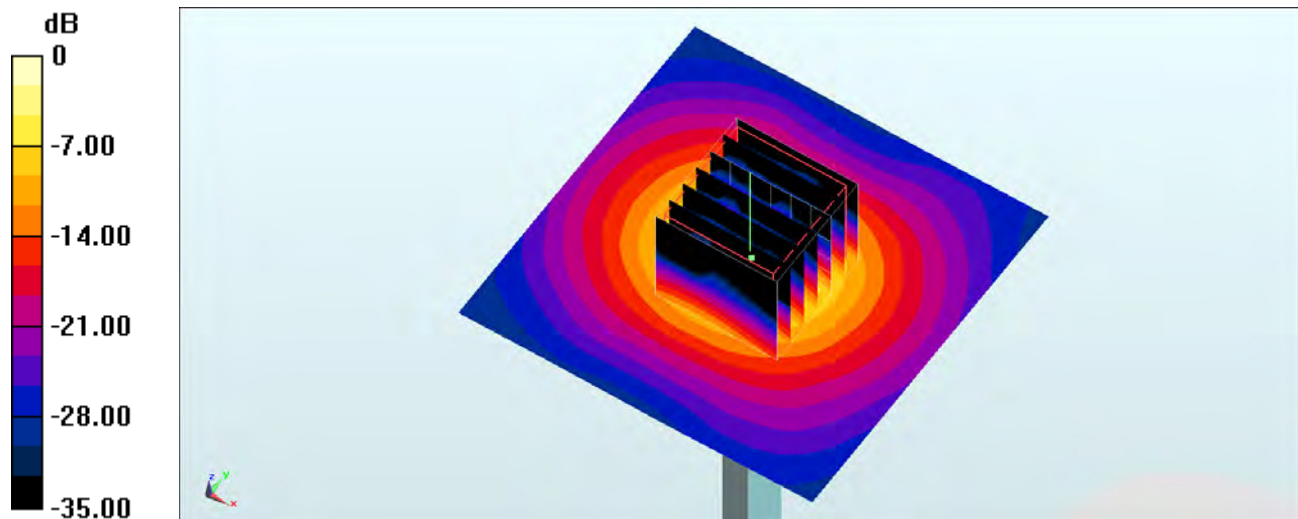
**Configuration/Pin=100mW/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 67.58 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 38.3 W/kg

**SAR(1 g) = 8.48 W/kg; SAR(10 g) = 2.29 W/kg**

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



0 dB = 21.4 W/kg = 13.30 dBW/kg

## System Check\_Head\_5750MHz\_151225

### DUT: D5GHzV2-1128-5750

Communication System: CW; Frequency: 5750 MHz; Duty Cycle: 1:1

Medium: HSL\_5G\_151225 Medium parameters used:  $f = 5750$  MHz;  $\sigma = 4.98$  S/m;  $\epsilon_r = 36.054$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

### DASY5 Configuration

- Probe: EX3DV4 - SN3931; ConvF(4.58, 4.58, 4.58); Calibrated: 2015/10/1;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn577; Calibrated: 2015/9/24
- Phantom: SAM\_Right; Type: QD000P40CD; Serial: S/N:1801
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

**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

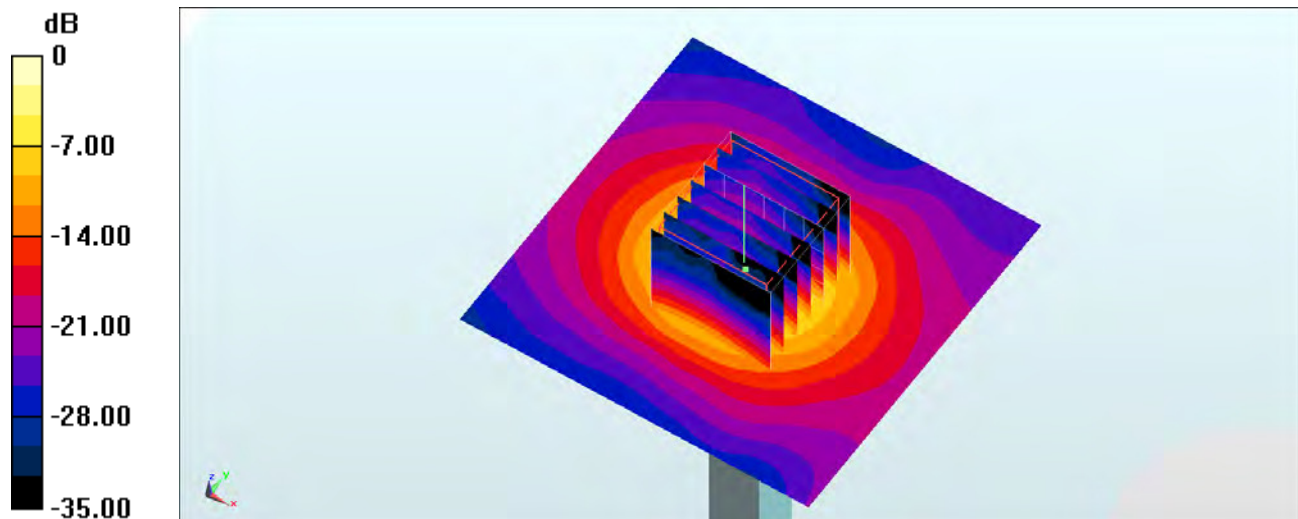
**Configuration/Pin=100mW/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 72.49 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 34.6 W/kg

**SAR(1 g) = 7.92 W/kg; SAR(10 g) = 2.2 W/kg**

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



0 dB = 20.0 W/kg = 13.01 dBW/kg

## System Check\_Body\_5800MHz\_151224

### DUT: D5GHzV2-1006-5800

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

Medium: MSL\_5G\_151224 Medium parameters used:  $f = 5800$  MHz;  $\sigma = 6.284$  S/m;  $\epsilon_r = 45.936$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

#### DASY5 Configuration

- Probe: EX3DV4 - SN3925; ConvF(4.16, 4.16, 4.16); Calibrated: 2015/5/27;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn495; Calibrated: 2015/5/22
- Phantom: SAM\_Right; Type: QD000P40CD; Serial: S/N:1801
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

**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

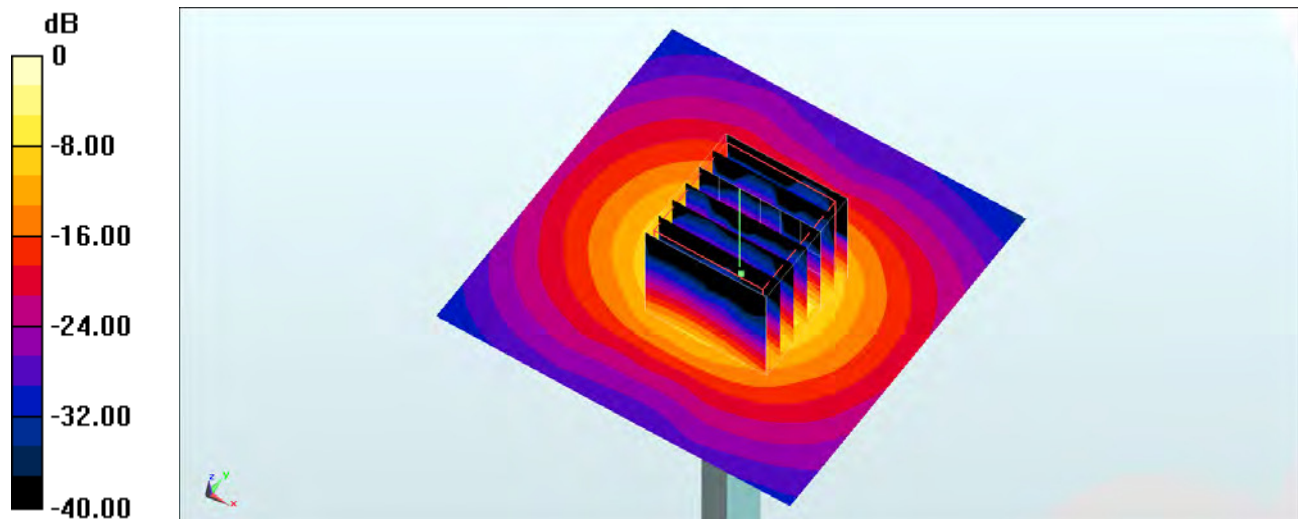
**Configuration/Pin=100mW/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 68.40 V/m; Power Drift = -0.14 dB

Peak SAR (extrapolated) = 41.1 W/kg

**SAR(1 g) = 8.34 W/kg; SAR(10 g) = 2.22 W/kg**

Maximum value of SAR (measured) = 21.8 W/kg



0 dB = 21.8 W/kg = 13.38 dBW/kg