

**System Check\_Head\_835MHz\_130325****DUT: D835V2-SN:4d120**

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

Medium: HSL\_850\_130325 Medium parameters used:  $f = 835$  MHz;  $\sigma = 0.886$  mho/m;  $\epsilon_r = 41.325$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 22.4 °C; Liquid Temperature : 21.4 °C

**DASY5 Configuration:**

- Probe: ES3DV3 - SN3270; ConvF(6.2, 6.2, 6.2); Calibrated: 2012/9/28;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn778; Calibrated: 2012/8/27
- Phantom: SAM-Right; Type: QD 000 P40 C; Serial: TP-1446
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6477)

**Configuration/Pin=250mW/Area Scan (61x61x1):** Measurement grid: dx=15mm, dy=15mm  
Maximum value of SAR (interpolated) = 2.73 mW/g

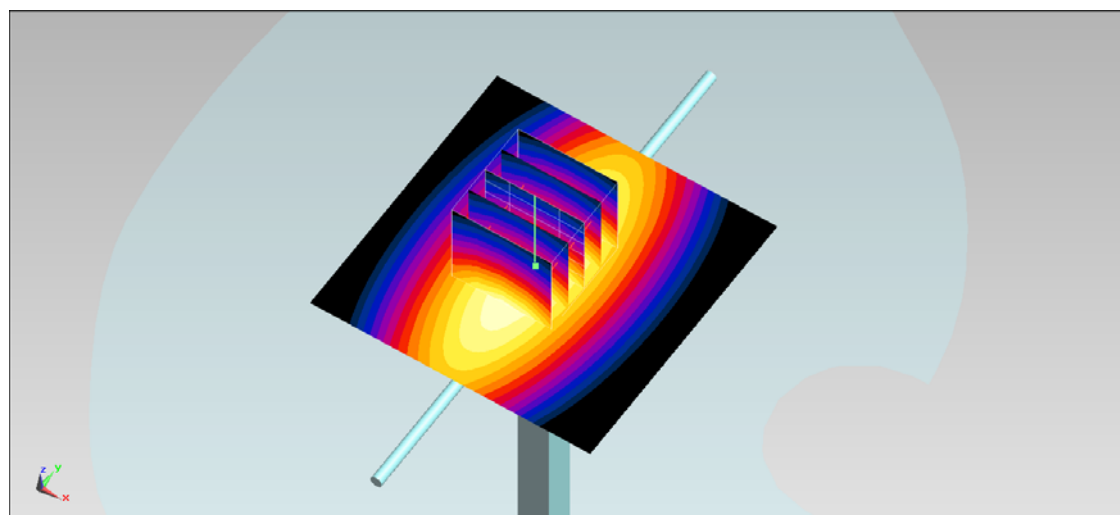
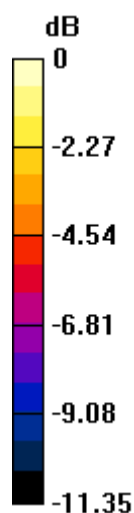
**Configuration/Pin=250mW/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 57.116 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 3.462 mW/g

**SAR(1 g) = 2.31 mW/g; SAR(10 g) = 1.49 mW/g**

Maximum value of SAR (measured) = 2.70 mW/g



0 dB = 2.70 mW/g = 8.63 dB mW/g

**System Check\_Body\_835MHz\_130326****DUT: D835V2-SN:4d120**

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

Medium: MSL\_850\_130326 Medium parameters used:  $f = 835$  MHz;  $\sigma = 0.963$  mho/m;  $\epsilon_r = 54.498$ ;  $\rho =$

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

Ambient Temperature :  $22.3^\circ\text{C}$ ; Liquid Temperature :  $21.3^\circ\text{C}$

**DASY5 Configuration:**

- Probe: ES3DV3 - SN3270; ConvF(6.16, 6.16, 6.16); Calibrated: 2012/9/28;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn778; Calibrated: 2012/8/27
- Phantom: SAM-Right; Type: QD 000 P40 C; Serial: TP-1446
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6477)

**Configuration/Pin=250mW/Area Scan (61x61x1):** Measurement grid:  $dx=15\text{mm}$ ,  $dy=15\text{mm}$   
Maximum value of SAR (interpolated) =  $2.81 \text{ mW/g}$

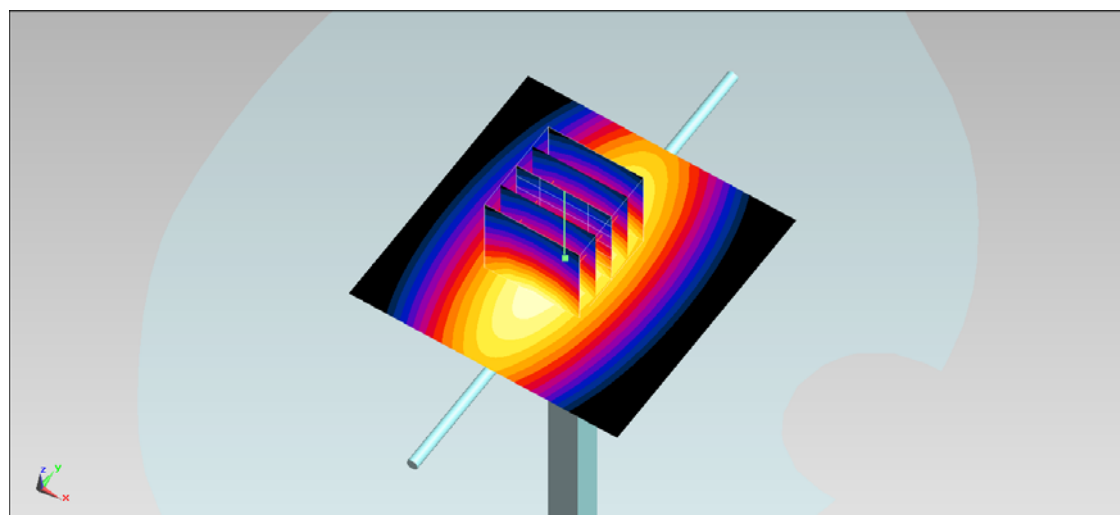
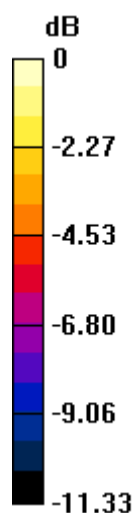
**Configuration/Pin=250mW/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8\text{mm}$ ,  
 $dy=8\text{mm}$ ,  $dz=5\text{mm}$

Reference Value =  $55.779 \text{ V/m}$ ; Power Drift =  $0.01 \text{ dB}$

Peak SAR (extrapolated) =  $3.549 \text{ mW/g}$

**SAR(1 g) =  $2.39 \text{ mW/g}$ ; SAR(10 g) =  $1.54 \text{ mW/g}$**

Maximum value of SAR (measured) =  $2.79 \text{ mW/g}$



0 dB =  $2.79 \text{ mW/g}$  =  $8.91 \text{ dB mW/g}$

**System Check\_Head\_1900MHz\_130326****DUT: D1900V2-SN:5d142**

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

Medium: HSL\_1900\_130326 Medium parameters used:  $f = 1900$  MHz;  $\sigma = 1.439$  mho/m;  $\epsilon_r = 38.812$ ;  $\rho$

$= 1000$  kg/m<sup>3</sup>

Ambient Temperature : 22.3 °C; Liquid Temperature : 21.3 °C

**DASY5 Configuration:**

- Probe: ES3DV3 - SN3270; ConvF(5.05, 5.05, 5.05); Calibrated: 2012/9/28;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn778; Calibrated: 2012/8/27
- Phantom: SAM-Left; Type: QD 000 P40 C; Serial: TP-1478
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6477)

**Configuration/Pin=250mW/Area Scan (61x61x1):** Measurement grid: dx=15mm, dy=15mm  
Maximum value of SAR (interpolated) = 12.3 mW/g

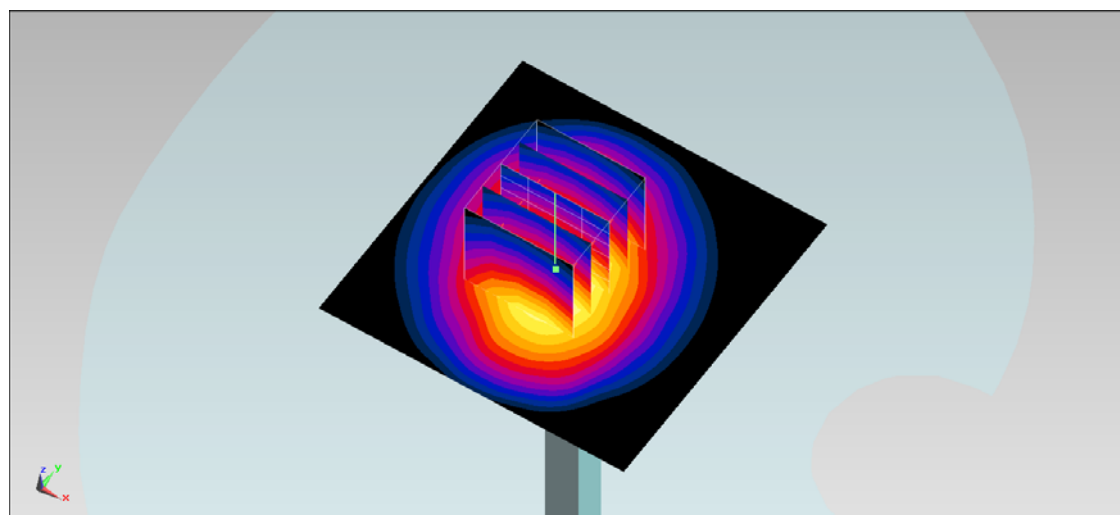
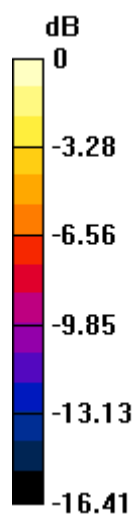
**Configuration/Pin=250mW/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 91.846 V/m; Power Drift = -0.00 dB

Peak SAR (extrapolated) = 16.056 mW/g

**SAR(1 g) = 9.85 mW/g; SAR(10 g) = 5.51 mW/g**

Maximum value of SAR (measured) = 12.1 mW/g



0 dB = 12.1 mW/g = 21.66 dB mW/g

**System Check\_Body\_1900MHz\_130326****DUT: D1900V2-SN:5d142**

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

Medium: MSL\_1900\_130326 Medium parameters used:  $f = 1900$  MHz;  $\sigma = 1.523$  mho/m;  $\epsilon_r = 52.215$ ;  $\rho$

$= 1000$  kg/m<sup>3</sup>

Ambient Temperature : 22.6 °C; Liquid Temperature : 21.6 °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 Sn778; Calibrated: 2012/8/27
- Phantom: SAM-Right; Type: QD 000 P40 C; Serial: TP-1446
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6477)

**Configuration/Pin=250mW/Area Scan (61x61x1):** Measurement grid: dx=15mm, dy=15mm  
Maximum value of SAR (interpolated) = 11.8 mW/g

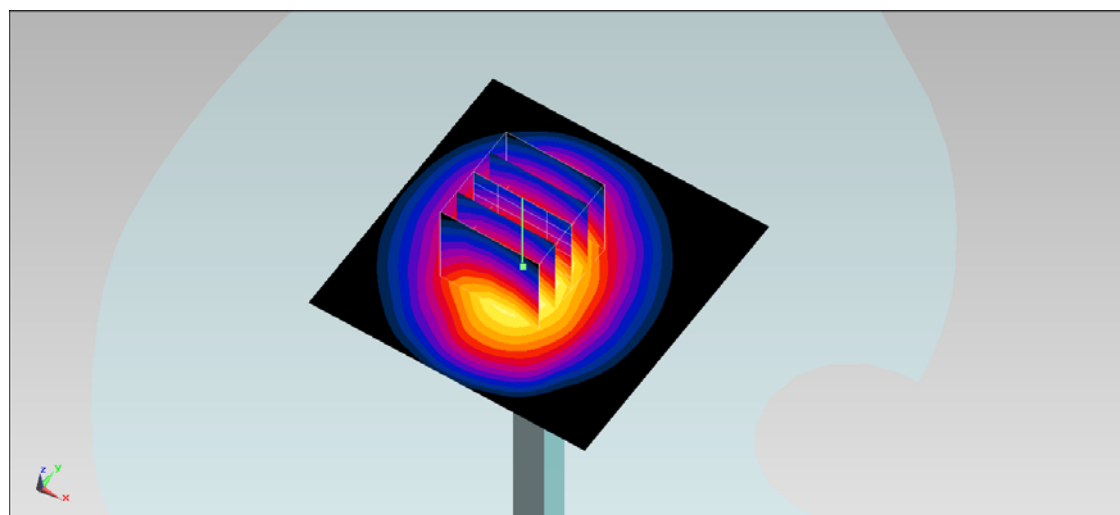
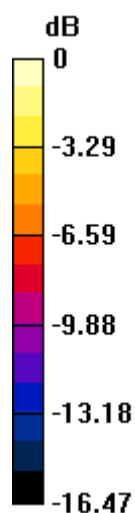
**Configuration/Pin=250mW/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 87.764 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 15.430 mW/g

**SAR(1 g) = 9.45 mW/g; SAR(10 g) = 5.28 mW/g**

Maximum value of SAR (measured) = 11.6 mW/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;  $\sigma = 1.856$  mho/m;  $\epsilon_r = 39.22$ ;  $\rho =$

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

Ambient Temperature :  $22.2^\circ\text{C}$ ; Liquid Temperature :  $21.2^\circ\text{C}$

**DASY5 Configuration:**

- Probe: EX3DV4 - SN3578; ConvF(6.43, 6.43, 6.43); Calibrated: 2012/6/21;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn687; Calibrated: 2013/2/13
- Phantom: SAM Right; Type: QD000P40CC; Serial: TP:1383
- Measurement SW: DASY52, Version 52.8 (3); SEMCAD X Version 14.6.5 (6469)

**Configuration/Pin=250mW/Area Scan (61x61x1):** Measurement grid:  $dx=12\text{mm}$ ,  $dy=12\text{mm}$   
Maximum value of SAR (interpolated) =  $21.7 \text{ mW/g}$

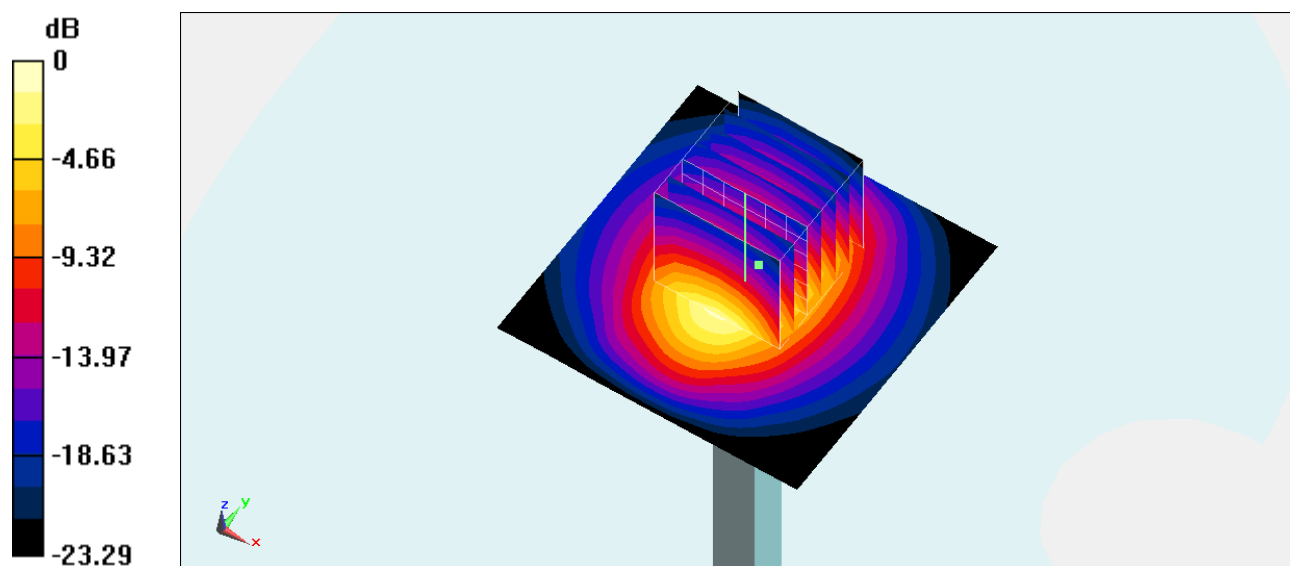
**Configuration/Pin=250mW/Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5\text{mm}$ ,  
 $dy=5\text{mm}$ ,  $dz=5\text{mm}$

Reference Value =  $104.4 \text{ V/m}$ ; Power Drift =  $0.03 \text{ dB}$

Peak SAR (extrapolated) =  $27.700 \text{ mW/g}$

**SAR(1 g) =  $13 \text{ mW/g}$ ; SAR(10 g) =  $6.06 \text{ mW/g}$**

Maximum value of SAR (measured) =  $19.9 \text{ mW/g}$



0 dB =  $19.9 \text{ mW/g}$  =  $25.98 \text{ dB mW/g}$

**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;  $\sigma = 2.02$  mho/m;  $\epsilon_r = 53.936$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 22.3 °C; Liquid Temperature : 21.3 °C

**DASY5 Configuration:**

- Probe: EX3DV4 - SN3578; ConvF(6.43, 6.43, 6.43); Calibrated: 2012/6/21;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn687; Calibrated: 2013/2/13
- Phantom: SAM Right; Type: QD000P40CC; Serial: TP:1383
- Measurement SW: DASY52, Version 52.8 (3); SEMCAD X Version 14.6.5 (6469)

**Configuration/Pin=250mW/Area Scan (61x61x1):** Measurement grid: dx=12mm, dy=12mm  
Maximum value of SAR (interpolated) = 20.5 mW/g

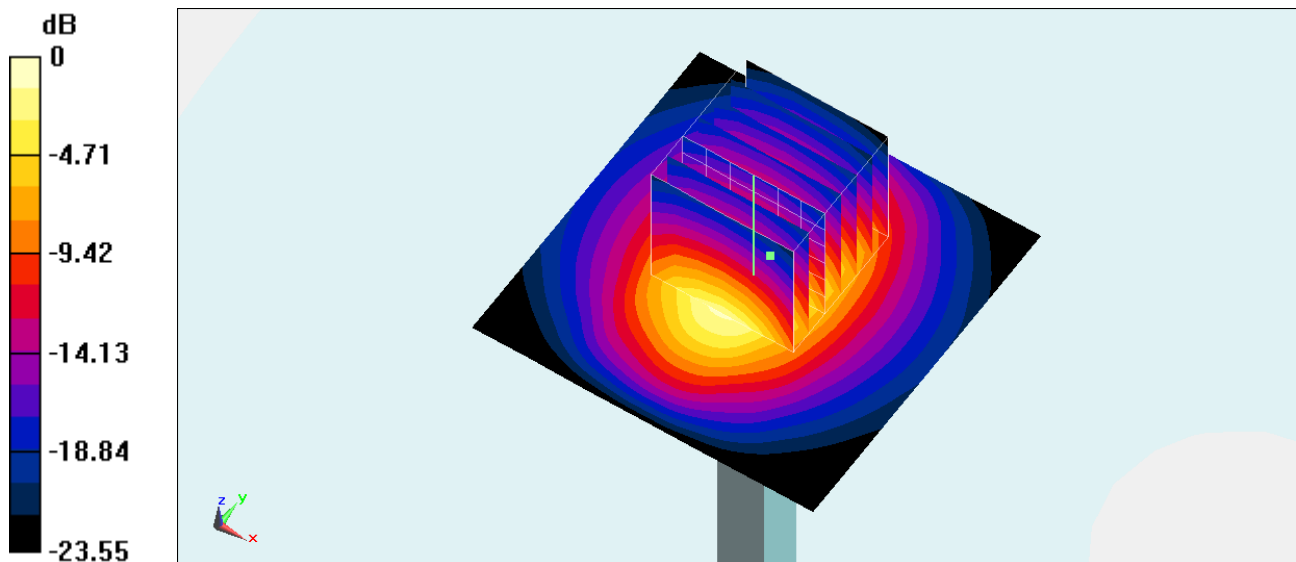
**Configuration/Pin=250mW/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 95.546 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 26.787 mW/g

**SAR(1 g) = 12.1 mW/g; SAR(10 g) = 5.58 mW/g**

Maximum value of SAR (measured) = 18.7 mW/g



0 dB = 18.7 mW/g = 25.44 dB mW/g

**System Check\_Head\_5200MHz\_130524****DUT: D5GHzV2-SN:1006**

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

Medium: HSL\_5G\_130524 Medium parameters used:  $f = 5200$  MHz;  $\sigma = 4.794$  mho/m;  $\epsilon_r = 35.479$ ;  $\rho =$

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

Ambient Temperature :  $22.2^\circ\text{C}$ ; Liquid Temperature :  $21.2^\circ\text{C}$

DASY5 Configuration:

- Probe: EX3DV4 - SN3578; ConvF(4.55, 4.55, 4.55); Calibrated: 2012/6/21;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn687; Calibrated: 2013/2/13
- Phantom: SAM Left; Type: QD000P40CD; Serial: TP:1542
- Measurement SW: DASY52, Version 52.8 (3); SEMCAD X Version 14.6.5 (6469)

**Configuration/Pin=100mW/Area Scan (71x71x1):** Measurement grid:  $dx=10\text{mm}$ ,  $dy=10\text{mm}$   
Maximum value of SAR (interpolated) =  $19.4 \text{ mW/g}$

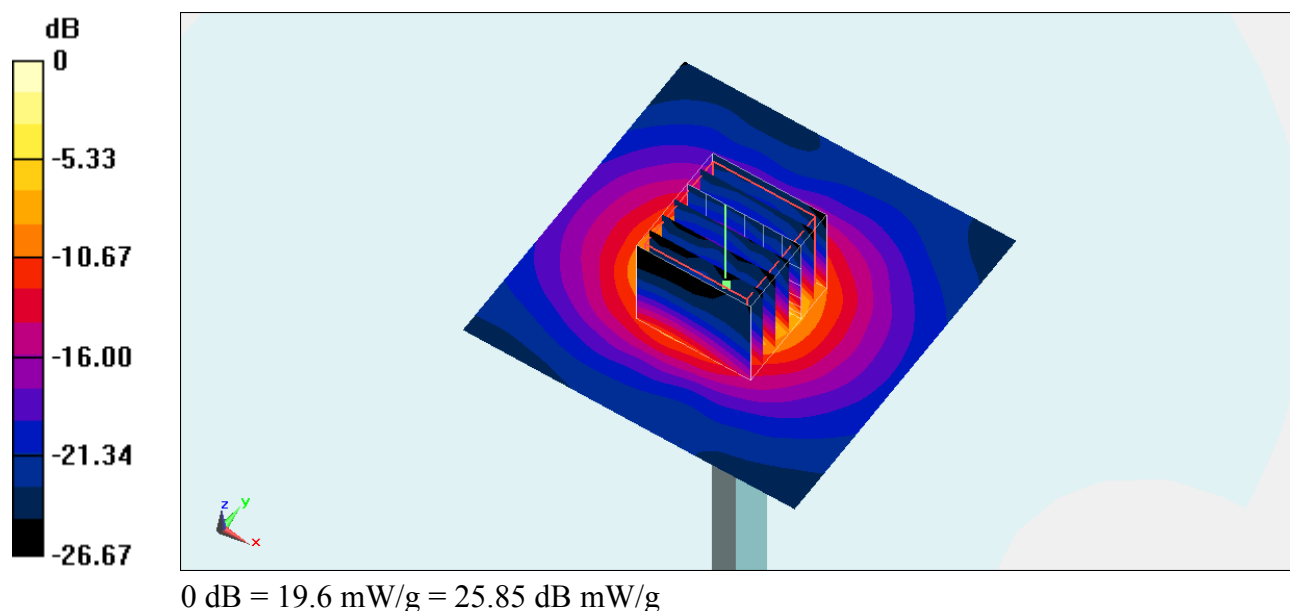
**Configuration/Pin=100mW/Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=4\text{mm}$ ,  
 $dy=4\text{mm}$ ,  $dz=1.4\text{mm}$

Reference Value =  $69.050 \text{ V/m}$ ; Power Drift =  $0.01 \text{ dB}$

Peak SAR (extrapolated) =  $31.631 \text{ mW/g}$

**SAR(1 g) =  $7.99 \text{ mW/g}$ ; SAR(10 g) =  $2.26 \text{ mW/g}$**

Maximum value of SAR (measured) =  $19.6 \text{ mW/g}$



**System Check\_Body\_5200MHz\_130525****DUT: D5GHzV2-SN:1006**

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

Medium: MSL\_5G\_130525 Medium parameters used:  $f = 5200$  MHz;  $\sigma = 5.138$  mho/m;  $\epsilon_r = 47.493$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 22.5 °C; Liquid Temperature : 21.5 °C

**DASY5 Configuration:**

- Probe: EX3DV4 - SN3578; ConvF(3.93, 3.93, 3.93); Calibrated: 2012/6/21;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn687; Calibrated: 2013/2/13
- Phantom: SAM Right; Type: QD000P40CC; Serial: TP:1383
- Measurement SW: DASY52, Version 52.8 (3); SEMCAD X Version 14.6.5 (6469)

**Configuration/Pin=100mW/Area Scan (71x71x1):** Measurement grid: dx=10mm, dy=10mm  
Maximum value of SAR (interpolated) = 18.0 mW/g

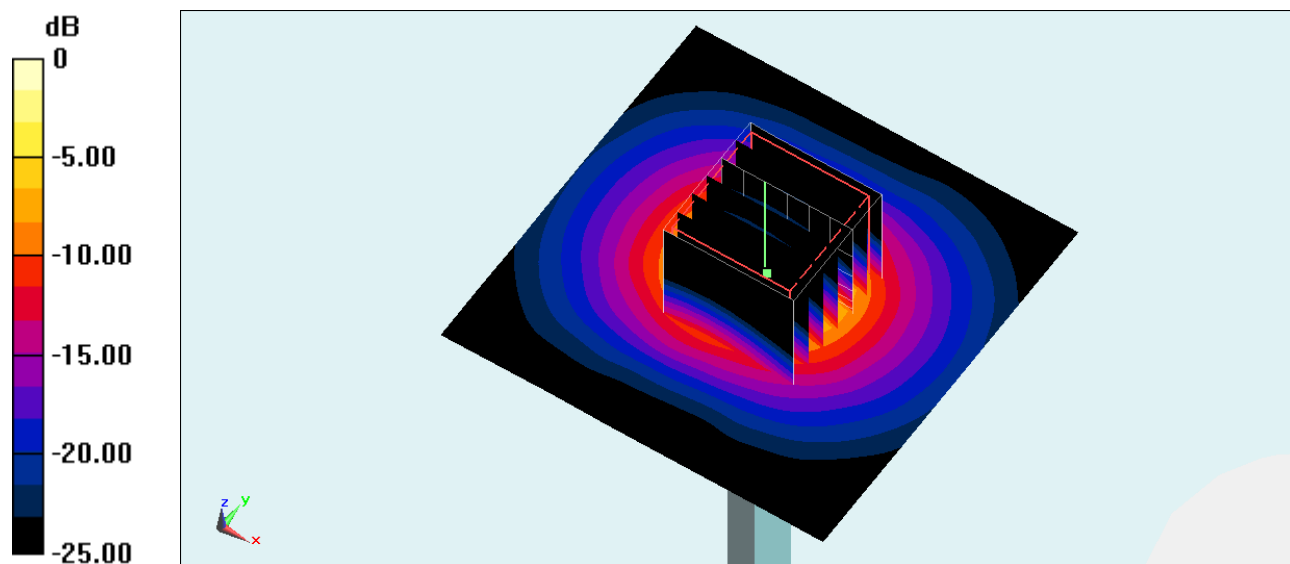
**Configuration/Pin=100mW/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 45.475 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 31.595 mW/g

**SAR(1 g) = 6.77 mW/g; SAR(10 g) = 1.84 mW/g**

Maximum value of SAR (measured) = 16.6 mW/g



0 dB = 16.6 mW/g = 24.40 dB mW/g



**System Check\_Head\_5300MHz\_130524****DUT: D5GHzV2-SN:1006**

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

Medium: HSL\_5G\_130524 Medium parameters used:  $f = 5300$  MHz;  $\sigma = 4.899$  mho/m;  $\epsilon_r = 35.349$ ;  $\rho =$

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

Ambient Temperature :  $22.2^\circ\text{C}$ ; Liquid Temperature :  $21.2^\circ\text{C}$

DASY5 Configuration:

- Probe: EX3DV4 - SN3578; ConvF(4.39, 4.39, 4.39); Calibrated: 2012/6/21;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn687; Calibrated: 2013/2/13
- Phantom: SAM Left; Type: QD000P40CD; Serial: TP:1542
- Measurement SW: DASY52, Version 52.8 (3); SEMCAD X Version 14.6.5 (6469)

**Configuration/Pin=100mW/Area Scan (71x71x1):** Measurement grid:  $dx=10\text{mm}$ ,  $dy=10\text{mm}$   
Maximum value of SAR (interpolated) =  $19.8 \text{ mW/g}$

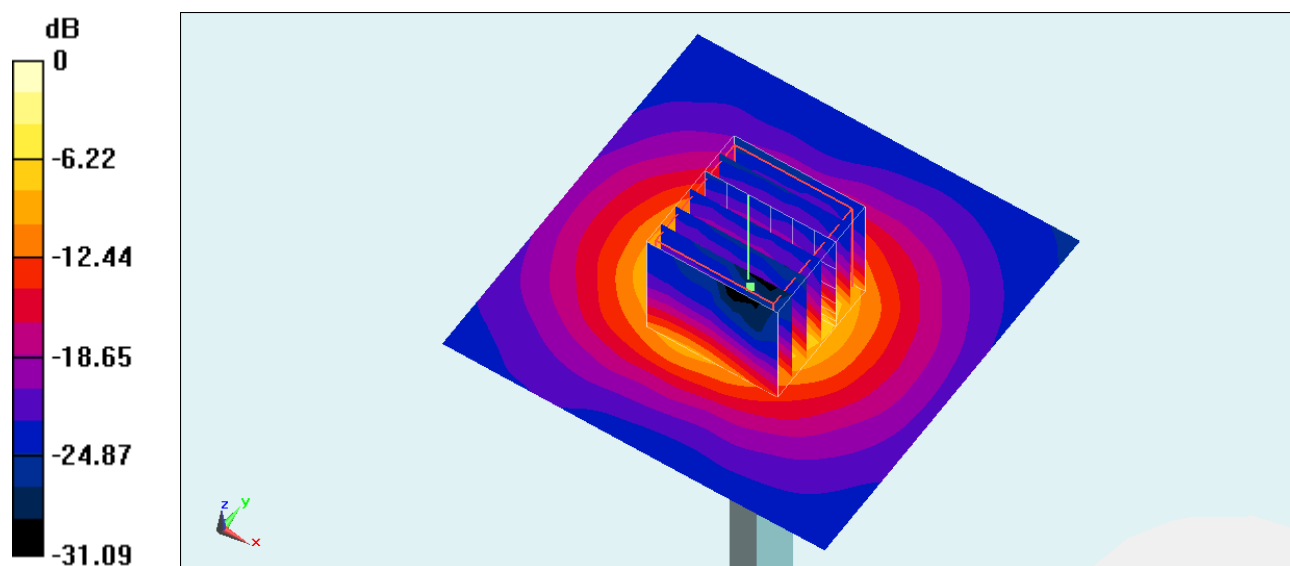
**Configuration/Pin=100mW/Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=4\text{mm}$ ,  
 $dy=4\text{mm}$ ,  $dz=1.4\text{mm}$

Reference Value =  $69.553 \text{ V/m}$ ; Power Drift =  $-0.03 \text{ dB}$

Peak SAR (extrapolated) =  $32.768 \text{ mW/g}$

**SAR(1 g) =  $8.05 \text{ mW/g}$ ; SAR(10 g) =  $2.31 \text{ mW/g}$**

Maximum value of SAR (measured) =  $19.4 \text{ mW/g}$



0 dB =  $19.4 \text{ mW/g}$  =  $25.76 \text{ dB mW/g}$

**System Check\_Body\_5300MHz\_130525****DUT: D5GHzV2-SN:1006**

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

Medium: MSL\_5G\_130525 Medium parameters used:  $f = 5300$  MHz;  $\sigma = 5.27$  mho/m;  $\epsilon_r = 47.255$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 22.5 °C; Liquid Temperature : 21.5 °C

**DASY5 Configuration:**

- Probe: EX3DV4 - SN3578; ConvF(3.66, 3.66, 3.66); Calibrated: 2012/6/21;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn687; Calibrated: 2013/2/13
- Phantom: SAM Right; Type: QD000P40CC; Serial: TP:1383
- Measurement SW: DASY52, Version 52.8 (3); SEMCAD X Version 14.6.5 (6469)

**Configuration/Pin=100mW/Area Scan (71x71x1):** Measurement grid: dx=10mm, dy=10mm  
Maximum value of SAR (interpolated) = 19.8 mW/g

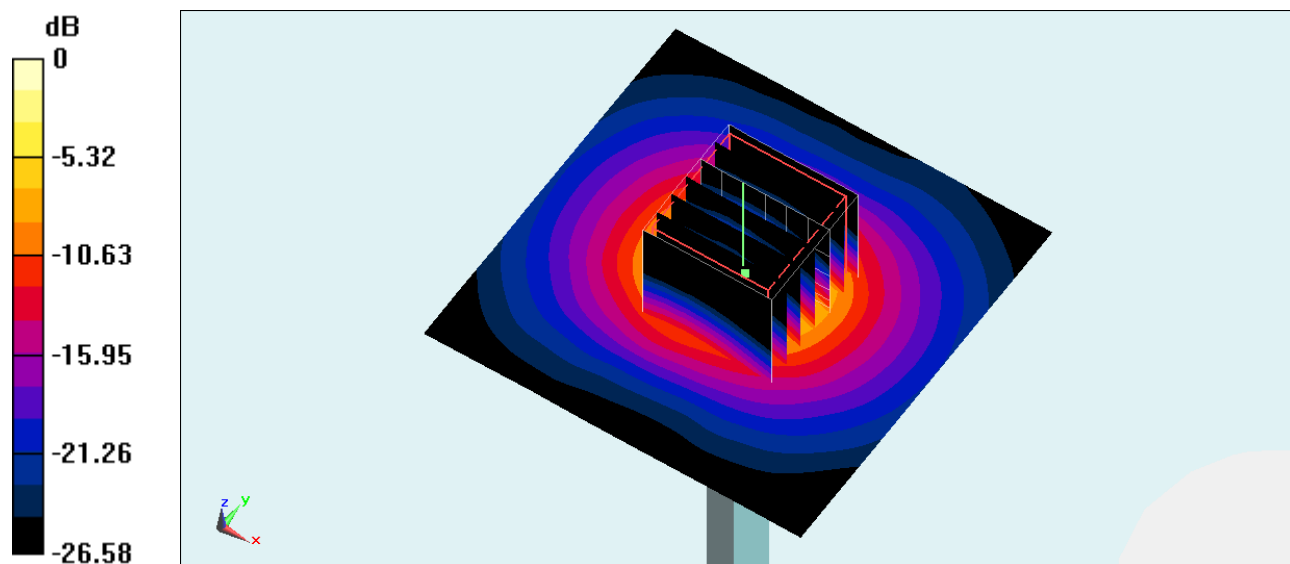
**Configuration/Pin=100mW/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 47.122 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 34.798 mW/g

**SAR(1 g) = 7.46 mW/g; SAR(10 g) = 2.03 mW/g**

Maximum value of SAR (measured) = 18.3 mW/g



0 dB = 18.3 mW/g = 25.25 dB mW/g

**System Check\_Head\_5600MHz\_130524****DUT: D5GHzV2-SN:1006**

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

Medium: HSL\_5G\_130524 Medium parameters used:  $f = 5600$  MHz;  $\sigma = 5.205$  mho/m;  $\epsilon_r = 34.761$ ;  $\rho =$

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

Ambient Temperature :  $22.2^\circ\text{C}$ ; Liquid Temperature :  $21.2^\circ\text{C}$

DASY5 Configuration:

- Probe: EX3DV4 - SN3578; ConvF(3.92, 3.92, 3.92); Calibrated: 2012/6/21;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn687; Calibrated: 2013/2/13
- Phantom: SAM Left; Type: QD000P40CD; Serial: TP:1542
- Measurement SW: DASY52, Version 52.8 (3); SEMCAD X Version 14.6.5 (6469)

**Configuration/Pin=100mW/Area Scan (71x71x1):** Measurement grid:  $dx=10\text{mm}$ ,  $dy=10\text{mm}$   
Maximum value of SAR (interpolated) =  $19.9 \text{ mW/g}$

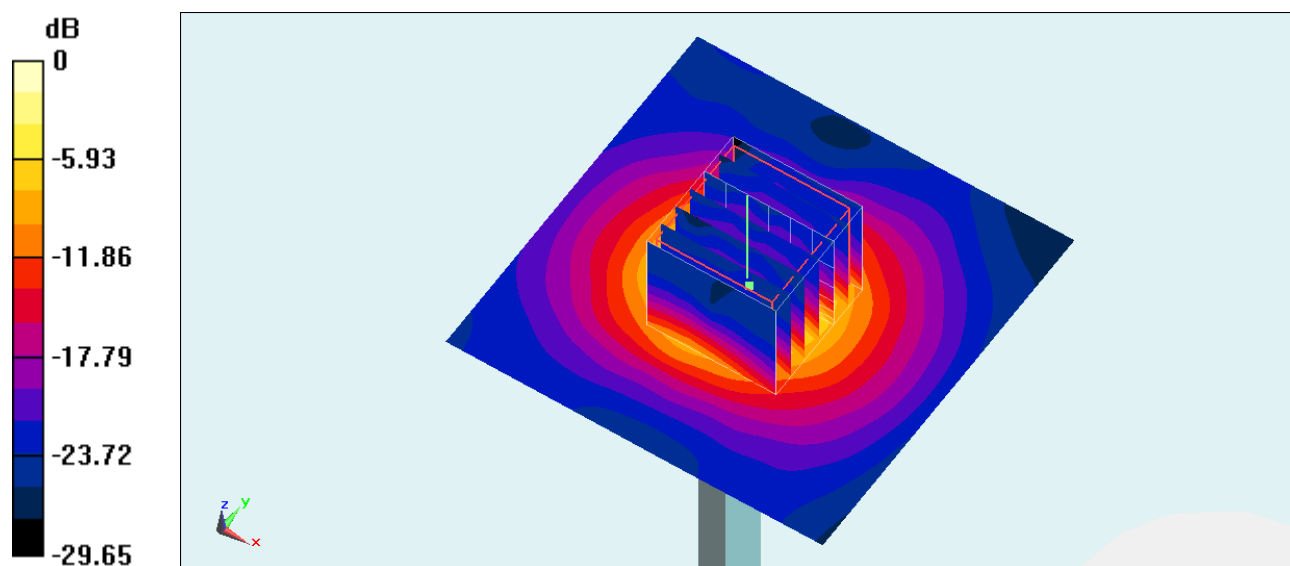
**Configuration/Pin=100mW/Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=4\text{mm}$ ,  
 $dy=4\text{mm}$ ,  $dz=1.4\text{mm}$

Reference Value =  $69.072 \text{ V/m}$ ; Power Drift =  $0.02 \text{ dB}$

Peak SAR (extrapolated) =  $31.995 \text{ mW/g}$

**SAR(1 g) =  $7.97 \text{ mW/g}$ ; SAR(10 g) =  $2.29 \text{ mW/g}$**

Maximum value of SAR (measured) =  $19.2 \text{ mW/g}$



0 dB =  $19.2 \text{ mW/g}$  =  $25.67 \text{ dB mW/g}$

**System Check\_Body\_5600MHz\_130525****DUT: D5GHzV2-SN:1006**

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

Medium: MSL\_5G\_130525 Medium parameters used:  $f = 5600$  MHz;  $\sigma = 5.653$  mho/m;  $\epsilon_r = 46.801$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 22.5 °C; Liquid Temperature : 21.5 °C

**DASY5 Configuration:**

- Probe: EX3DV4 - SN3578; ConvF(3.25, 3.25, 3.25); Calibrated: 2012/6/21;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn687; Calibrated: 2013/2/13
- Phantom: SAM Right; Type: QD000P40CC; Serial: TP:1383
- Measurement SW: DASY52, Version 52.8 (3); SEMCAD X Version 14.6.5 (6469)

**Configuration/Pin=100mW/Area Scan (71x71x1):** Measurement grid: dx=10mm, dy=10mm  
Maximum value of SAR (interpolated) = 20.8 mW/g

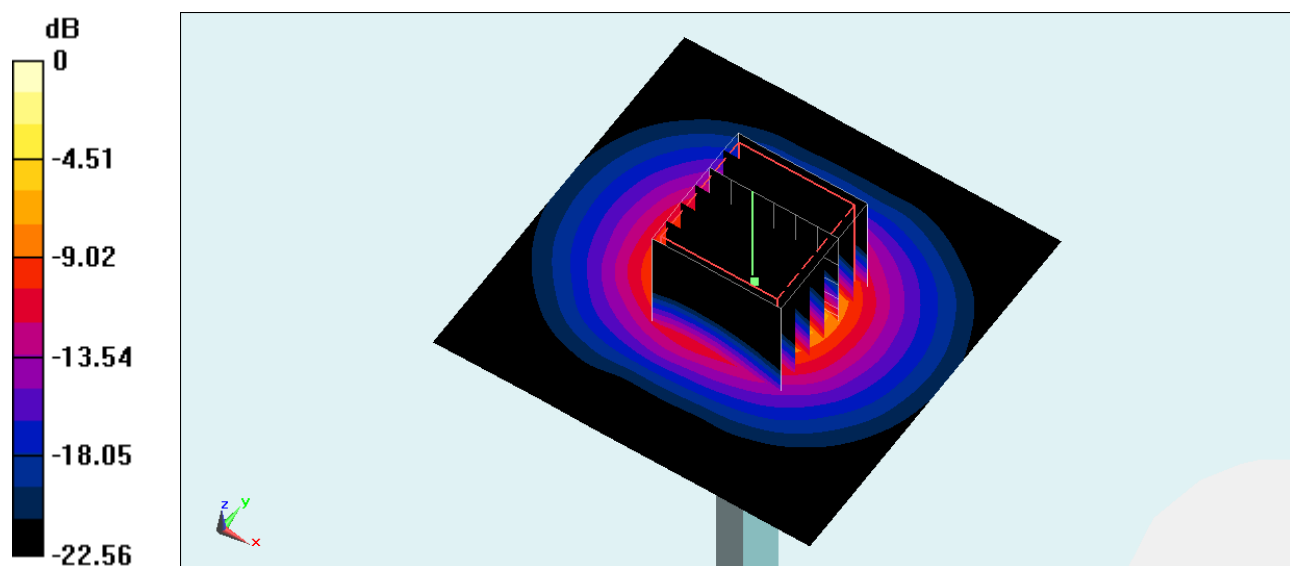
**Configuration/Pin=100mW/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 48.094 V/m; Power Drift = 0.00 dB

Peak SAR (extrapolated) = 35.798 mW/g

**SAR(1 g) = 8.09 mW/g; SAR(10 g) = 2.21 mW/g**

Maximum value of SAR (measured) = 19.8 mW/g



0 dB = 19.8 mW/g = 25.93 dB mW/g