

System Check_Body_835MHz_120604

DUT: D835V2-SN:499

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

Medium: MSL_850_120604 Medium parameters used: $f = 835 \text{ MHz}$; $\sigma = 0.963 \text{ mho/m}$; $\epsilon_r = 54.5$; $\rho = 1000 \text{ kg/m}^3$

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

DASY5 Configuration:

- Probe: ES3DV3 - SN3071; ConvF(5.68, 5.68, 5.68); Calibrated: 2011/6/22
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn910; Calibrated: 2011/12/7
- Phantom: ELI 4.0_Front; Type: QD 0VA 002 AA; Serial: TP-1131
- Software: DASY5 Version; SEMCAD X Version 13.4 Build 45

Pin=250mW/Area Scan (61x61x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Maximum value of SAR (interpolated) = 2.64 mW/g

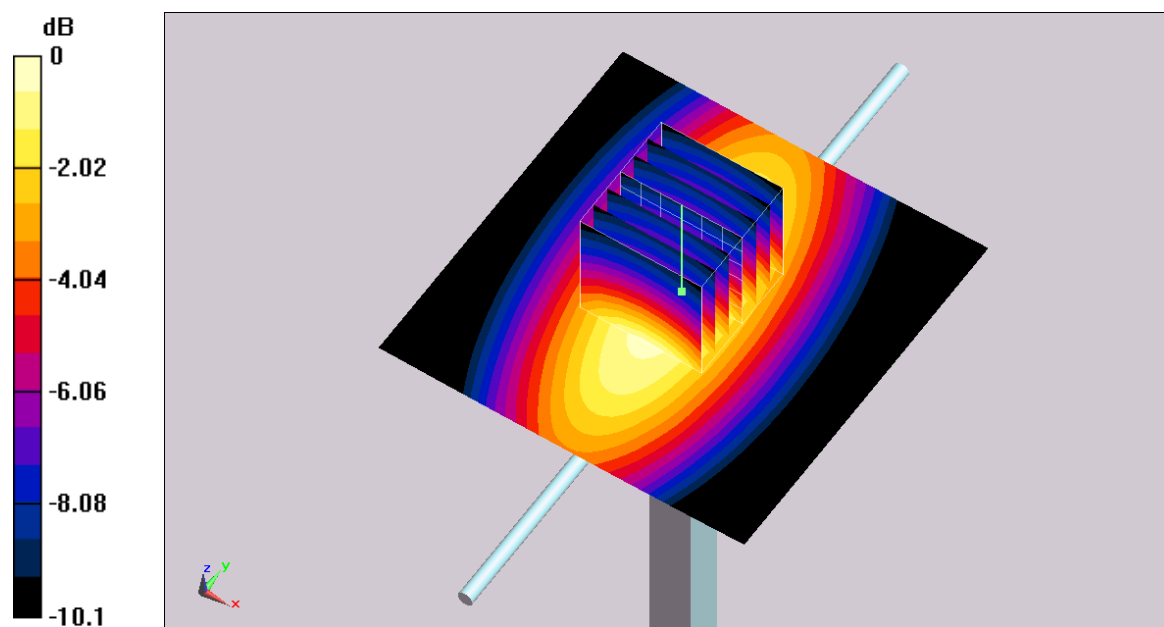
Pin=250mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$

Reference Value = 51 V/m ; Power Drift = 0.189 dB

Peak SAR (extrapolated) = 3.68 W/kg

SAR(1 g) = 2.52 mW/g ; SAR(10 g) = 1.65 mW/g

Maximum value of SAR (measured) = 2.73 mW/g



0 dB = 2.73mW/g

System Check_Body_835MHz_120621

DUT: D835V2-SN:499

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

Medium: MSL_850_120621 Medium parameters used: $f = 835 \text{ MHz}$; $\sigma = 0.993 \text{ mho/m}$; $\epsilon_r = 54.7$; $\rho = 1000 \text{ kg/m}^3$

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3661; ConvF(9.64, 9.64, 9.64); Calibrated: 2012/1/27
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn495; Calibrated: 2012/4/23
- Phantom: ELI 4.0_Front; Type: QD 0VA 002 AA; Serial: TP-1131
- Software: DASY5 Version; SEMCAD X Version 13.4 Build 45

Pin=250mW/Area Scan (61x61x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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

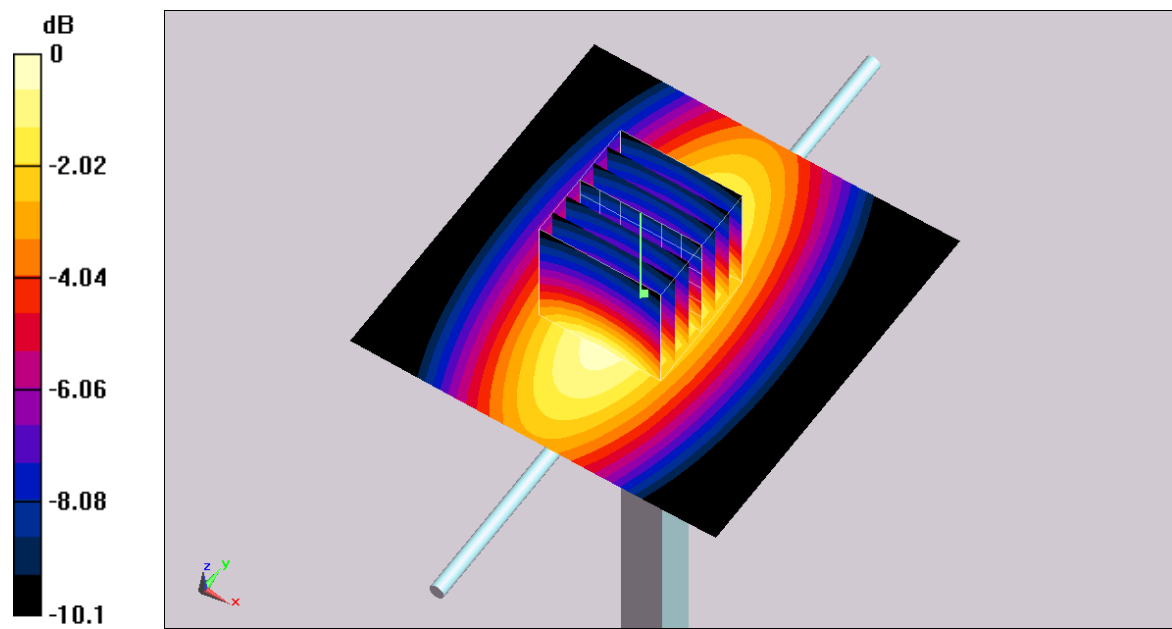
Pin=250mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$

Reference Value = 52.7 V/m ; Power Drift = 0.023 dB

Peak SAR (extrapolated) = 3.73 W/kg

SAR(1 g) = 2.54 mW/g ; SAR(10 g) = 1.67 mW/g

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



0 dB = 2.75mW/g

System Check_Body_835MHz_120629**DUT: D835V2-SN:499**

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

Medium: MSL_850_120629 Medium parameters used: $f = 835$ MHz; $\sigma = 0.996$ mho/m; $\epsilon_r = 55.4$; $\rho = 1000$ kg/m³

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

DASY4 Configuration:

- Probe: ET3DV6 - SN1787; ConvF(6.08, 6.08, 6.08); Calibrated: 2012/5/29
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn913; Calibrated: 2011/12/23
- Phantom: ELI 4.0_Front; Type: QDOVA001BB; Serial: 1026
- 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) = 2.75 mW/g

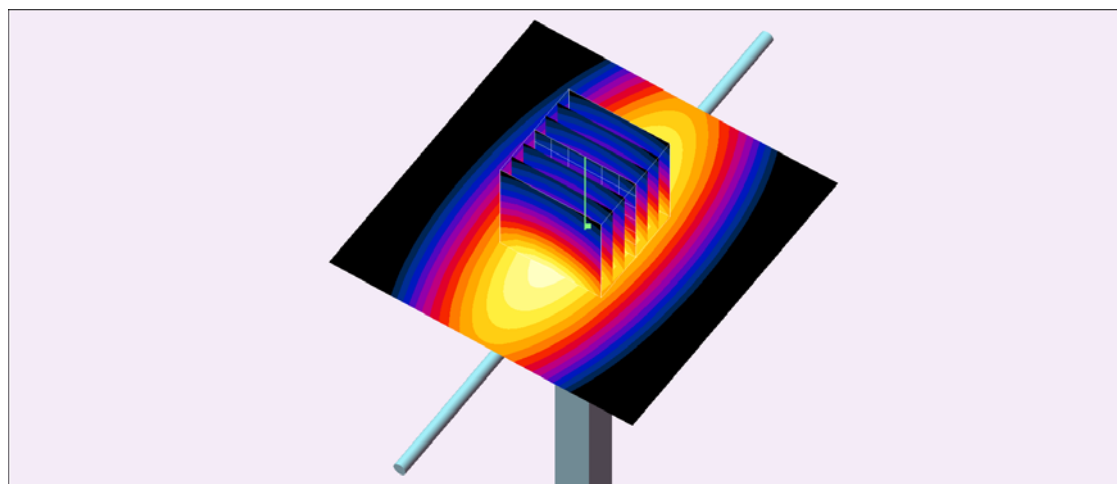
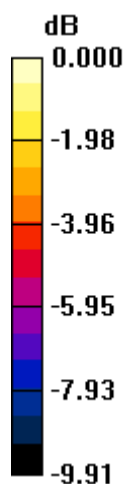
Pin=250mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 54.6 V/m; Power Drift = -0.036 dB

Peak SAR (extrapolated) = 3.57 W/kg

SAR(1 g) = 2.54 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_Body_1900MHz_120604

DUT: D1900V2-SN:5d041

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

Medium: MSL_1900_120604 Medium parameters used: $f = 1900 \text{ MHz}$; $\sigma = 1.53 \text{ mho/m}$; $\epsilon_r = 51.9$; $\rho = 1000 \text{ kg/m}^3$

Ambient Temperature : $22.6 \text{ }^\circ\text{C}$; Liquid Temperature : $21.6 \text{ }^\circ\text{C}$

DASY5 Configuration:

- Probe: ES3DV3 - SN3071; ConvF(4.32, 4.32, 4.32); Calibrated: 2011/6/22
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn910; Calibrated: 2011/12/7
- Phantom: ELI 4.0; Type: QDOVA001BA; Serial: 1029
- Software: DASY5 Version; SEMCAD X Version 13.4 Build 45

Pin=250mW/Area Scan (61x61x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Maximum value of SAR (interpolated) = 10.7 mW/g

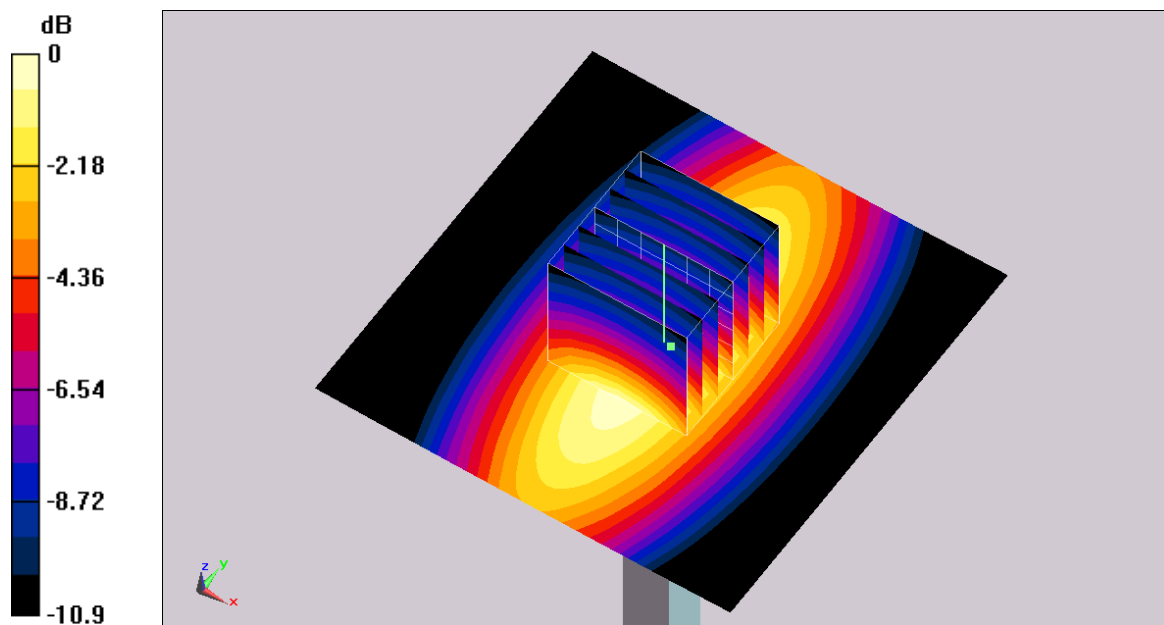
Pin=250mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$

Reference Value = 84.7 V/m ; Power Drift = -0.123 dB

Peak SAR (extrapolated) = 16.8 W/kg

SAR(1 g) = 10 mW/g ; SAR(10 g) = 6.19 mW/g

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



0 dB = 10.8mW/g

System Check_Body_1900MHz_120621

DUT: D1900V2-SN:5d041

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

Medium: MSL_1900_120621 Medium parameters used: $f = 1900 \text{ MHz}$; $\sigma = 1.55 \text{ mho/m}$; $\epsilon_r = 52.9$; $\rho = 1000 \text{ kg/m}^3$

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3661; ConvF(7.89, 7.89, 7.89); Calibrated: 2012/1/27
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn495; Calibrated: 2012/4/23
- Phantom: ELI 4.0; Type: QDOVA001BA; Serial: 1029
- Software: DASY5 Version; SEMCAD X Version 13.4 Build 45

Pin=250mW/Area Scan (61x61x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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

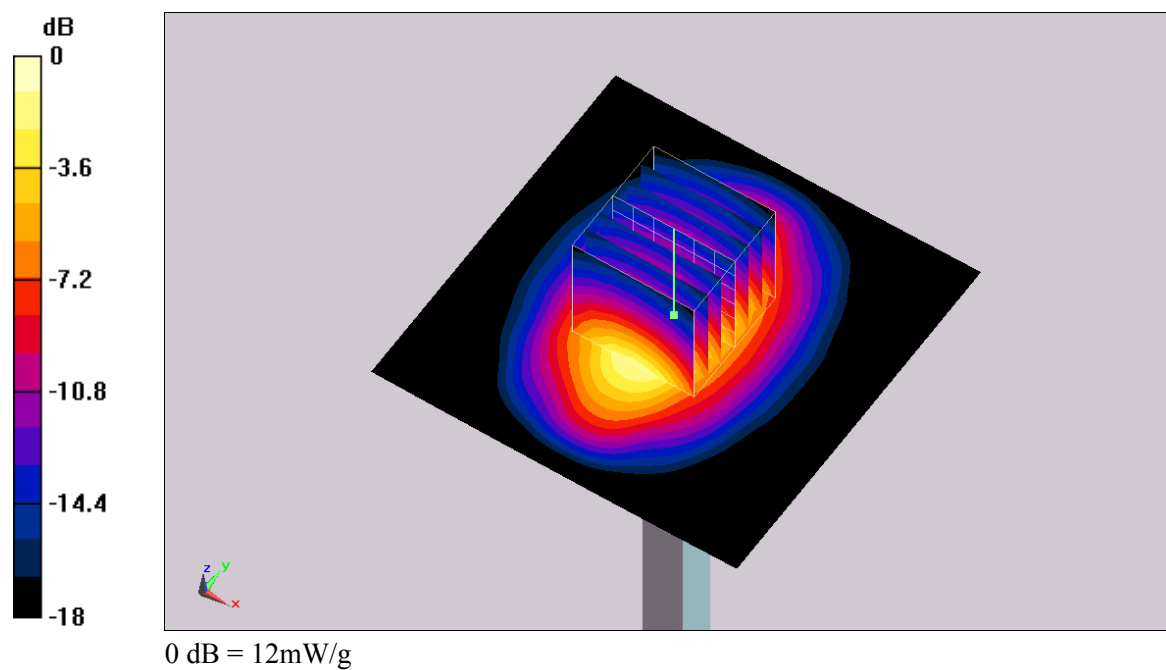
Pin=250mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$

Reference Value = 87.6 V/m ; Power Drift = 0.073 dB

Peak SAR (extrapolated) = 20.1 W/kg

SAR(1 g) = 10.6 mW/g ; SAR(10 g) = 5.39 mW/g

Maximum value of SAR (measured) = 12 mW/g



System Check_Body_1900MHz_120629**DUT: D1900V2-SN:5d041**

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

Medium: MSL_1900_120629 Medium parameters used: $f = 1900$ MHz; $\sigma = 1.52$ mho/m; $\epsilon_r = 54.8$; $\rho = 1000$ kg/m³

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

DASY4 Configuration:

- Probe: ET3DV6 - SN1787; ConvF(4.58, 4.58, 4.58); Calibrated: 2012/5/29
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn913; Calibrated: 2011/12/23
- Phantom: ELI 4.0_Front; Type: QDOVA001BB; Serial: 1026
- 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) = 10.7 mW/g

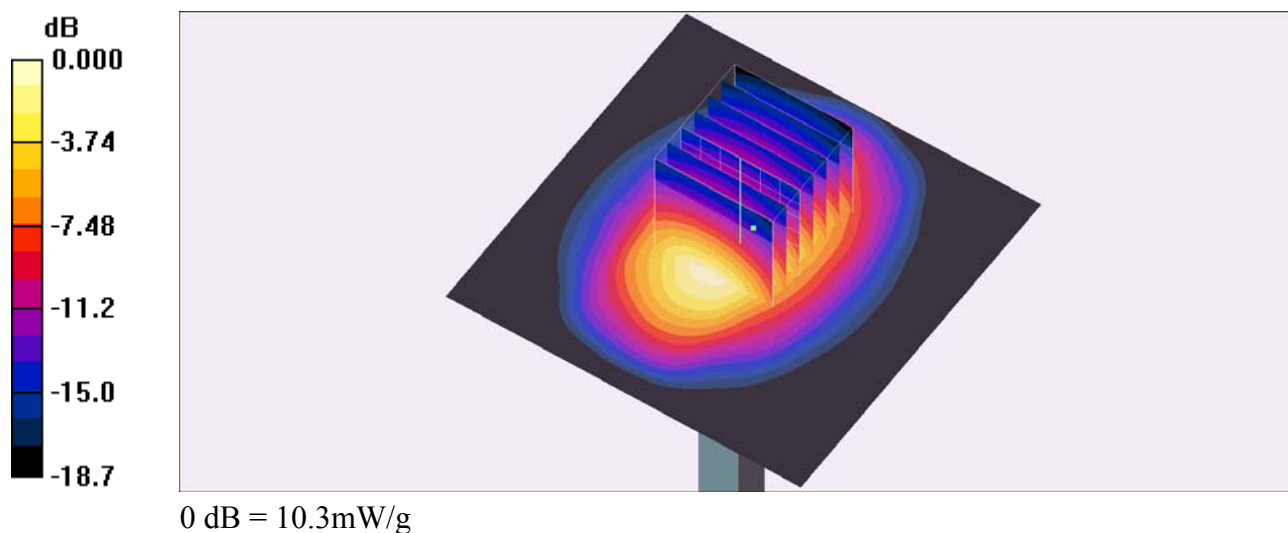
Pin=250mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 88.3 V/m; Power Drift = 0.098 dB

Peak SAR (extrapolated) = 14.6 W/kg

SAR(1 g) = 9.3 mW/g; SAR(10 g) = 4.75 mW/g

Maximum value of SAR (measured) = 10.3 mW/g



System Check_Body_2450MHz_120618**DUT: D2450V2-SN:736**

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

Medium: MSL_2450_120618 Medium parameters used: $f = 2450$ MHz; $\sigma = 1.973$ mho/m; $\epsilon_r =$

54.161; $\rho = 1000$ kg/m³

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

DASY5 Configuration:

- Probe: ET3DV6R - SN1788; ConvF(3.55, 3.55, 3.55); Calibrated: 2012/1/26;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn778; Calibrated: 2011/11/22
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP1127
- Measurement SW: DASY52, Version 52.8 (1); SEMCAD X Version 14.6.5 (6469)

Pin=250mW/Area Scan (91x91x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 15.3 mW/g

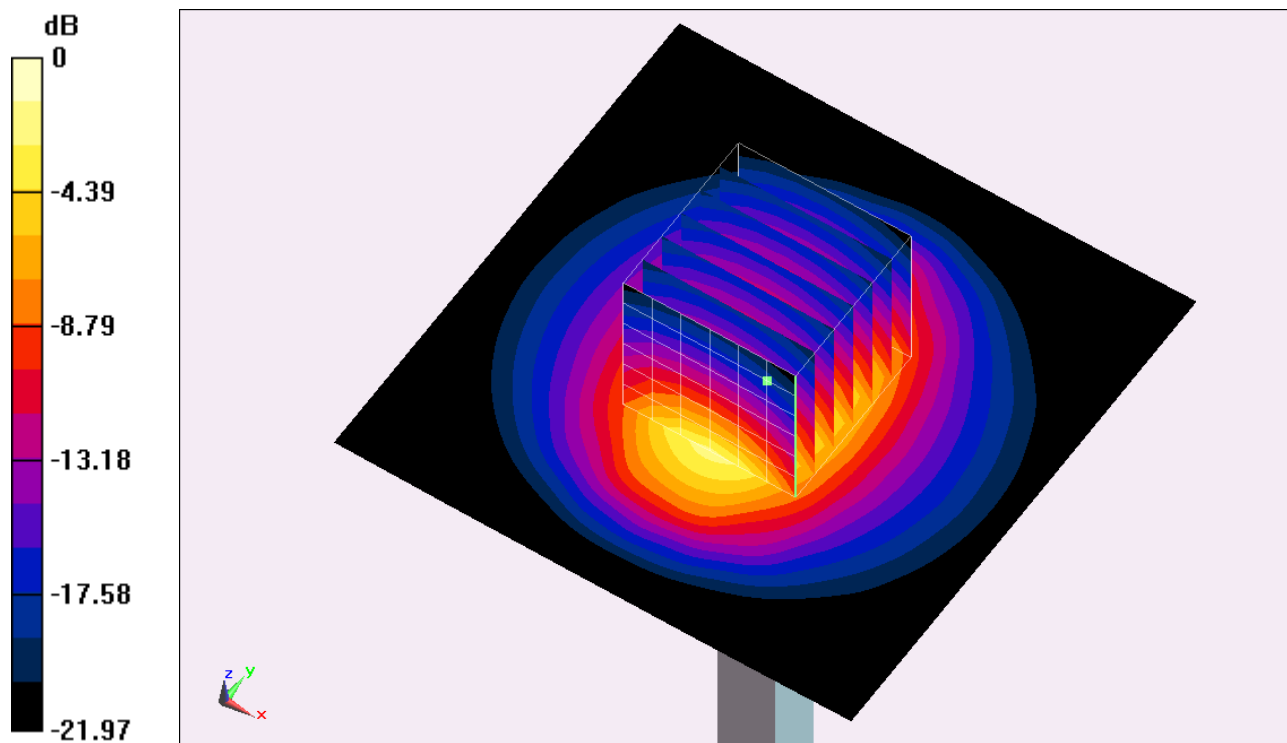
Pin=250mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 86.828 V/m; Power Drift = -0.08 dB

Peak SAR (extrapolated) = 34.968 mW/g

SAR(1 g) = 13.5 mW/g; SAR(10 g) = 6.06 mW/g

Maximum value of SAR (measured) = 14.7 mW/g



0 dB = 14.7 mW/g = 23.35 dB mW/g

System Check_Body_5200MHz_120617**DUT: D5GHzV2-SN:1006**

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

Medium: MSL_5G_120617 Medium parameters used: $f = 5200$ MHz; $\sigma = 5.29$ mho/m; $\epsilon_r = 48.8$; $\rho = 1000$ kg/m³

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

DASY4 Configuration:

- Probe: EX3DV4 - SN3661; ConvF(4.62, 4.62, 4.62); Calibrated: 2012/1/27
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1279; Calibrated: 2012/5/3
- Phantom: ELI 4.0_Front; Type: QDOVA001BB; Serial: 1026
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Pin=250mW/Area Scan (91x91x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 33.4 mW/g

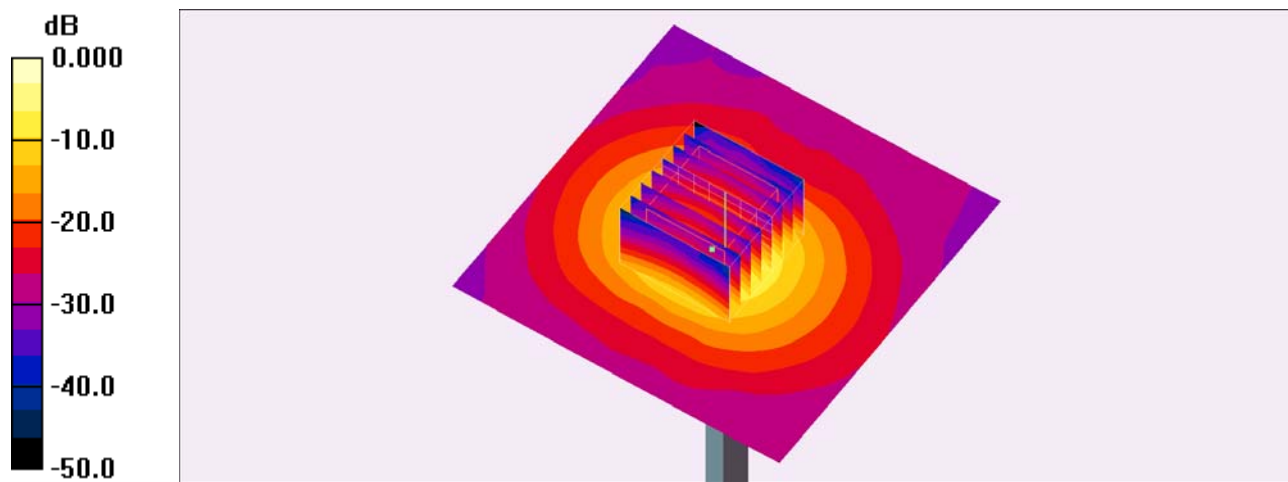
Pin=250mW/Zoom Scan (8x8x8)/Cube 0: Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm

Reference Value = 83.6 V/m; Power Drift = 0.135 dB

Peak SAR (extrapolated) = 72.2 W/kg

SAR(1 g) = 19.3 mW/g; SAR(10 g) = 5.37 mW/g

Maximum value of SAR (measured) = 33.1 mW/g



0 dB = 33.1mW/g

System Check_Body_5500MHz_120617**DUT: D5GHzV2-SN:1006**

Communication System: CW; Frequency: 5500 MHz; Duty Cycle: 1:1

Medium: MSL_5G_120617 Medium parameters used: $f = 5500$ MHz; $\sigma = 5.73$ mho/m; $\epsilon_r = 48.2$; $\rho = 1000$ kg/m³

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

DASY4 Configuration:

- Probe: EX3DV4 - SN3661; ConvF(4.01, 4.01, 4.01); Calibrated: 2012/1/27
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1279; Calibrated: 2012/5/3
- Phantom: ELI 4.0_Front; Type: QDOVA001BB; Serial: 1026
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Pin=250mW/Area Scan (91x91x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 35.4 mW/g

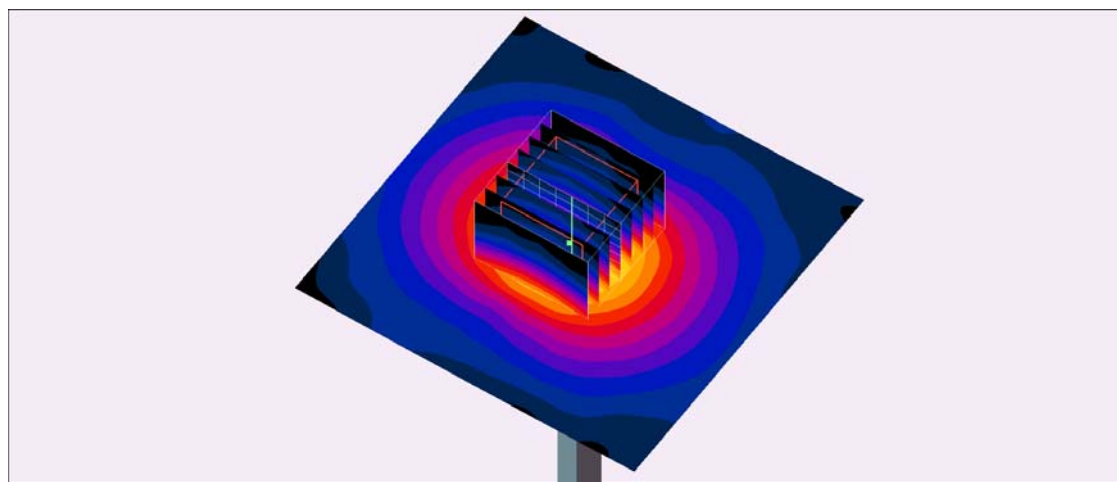
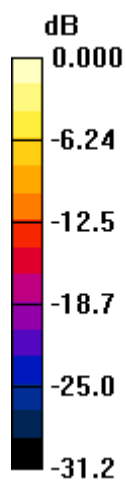
Pin=250mW/Zoom Scan (8x8x8)/Cube 0: Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm

Reference Value = 84.7 V/m; Power Drift = 0.135 dB

Peak SAR (extrapolated) = 80.3 W/kg

SAR(1 g) = 19.8 mW/g; SAR(10 g) = 5.54 mW/g

Maximum value of SAR (measured) = 34.1 mW/g



0 dB = 34.1mW/g

System Check_Body_5800MHz_120617**DUT: D5GHzV2-SN:1006**

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

Medium: MSL_5G_120617 Medium parameters used: $f = 5800 \text{ MHz}$; $\sigma = 6.12 \text{ mho/m}$; $\epsilon_r = 47.4$; $\rho = 1000 \text{ kg/m}^3$

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

DASY4 Configuration:

- Probe: EX3DV4 - SN3661; ConvF(4.02, 4.02, 4.02); Calibrated: 2012/1/27
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1279; Calibrated: 2012/5/3
- Phantom: ELI 4.0_Front; Type: QDOVA001BB; Serial: 1026
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Pin=250mW/Area Scan (91x91x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 30.3 mW/g

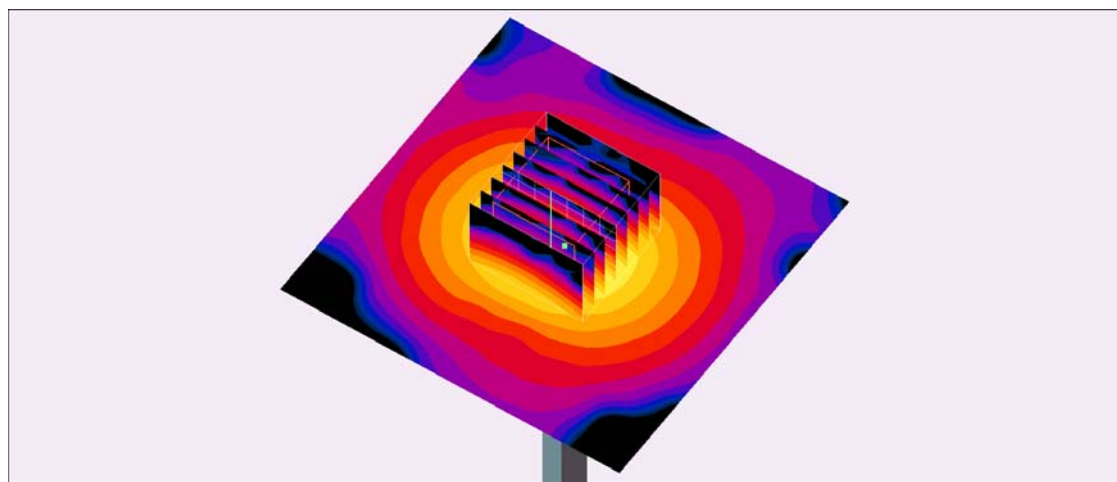
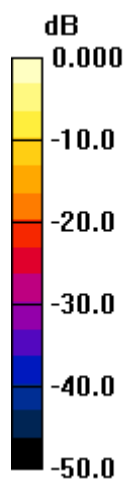
Pin=250mW/Zoom Scan (8x8x8)/Cube 0: Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm

Reference Value = 80.2 V/m; Power Drift = -0.008 dB

Peak SAR (extrapolated) = 67.6 W/kg

SAR(1 g) = 17.4 mW/g; SAR(10 g) = 4.82 mW/g

Maximum value of SAR (measured) = 30.0 mW/g



0 dB = 30.0mW/g