

System Check_Body_2450MHz_131017

DUT: D2450V2-SN:736

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

Medium: MSL_2450_131017 Medium parameters used: $f = 2450$ MHz; $\sigma = 1.964$ mho/m; $\epsilon_r = 51.596$;

$\rho = 1000$ kg/m³

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

DASY5 Configuration:

- Probe: ES3DV3 - SN3071; ConvF(4.02, 4.02, 4.02); Calibrated: 2013/6/18;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1279; Calibrated: 2013/1/28
- Phantom: ELI 4.0_Front; Type: QDOVA001BB; Serial: 1029
- 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) = 19.2 mW/g

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

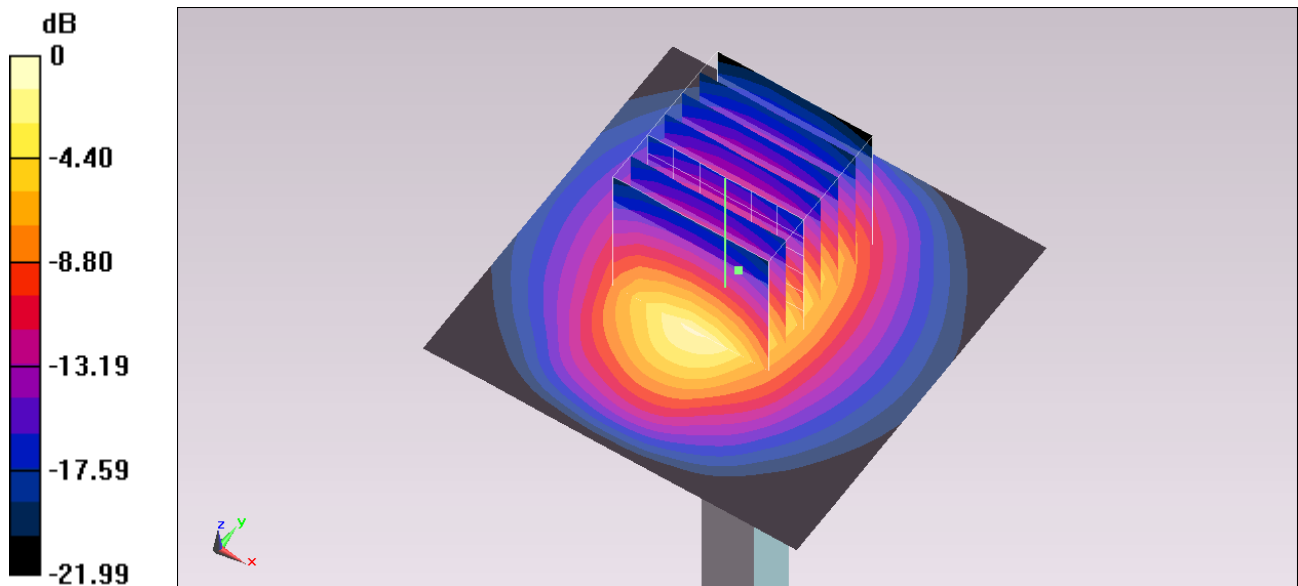
dy=5mm, dz=5mm

Reference Value = 96.912 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 28.374 mW/g

SAR(1 g) = 13.8 mW/g; SAR(10 g) = 6.5 mW/g

Maximum value of SAR (measured) = 18.0 mW/g



0 dB = 18.0 mW/g = 25.11 dB mW/g

System Check_Body_2450MHz_131101

DUT: D2450V2-SN:736

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

Medium: MSL_2450_131101 Medium parameters used: $f = 2450$ MHz; $\sigma = 1.973$ S/m; $\epsilon_r = 54.161$; $\rho = 1000$ kg/m³

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3697; ConvF(6.76, 6.76, 6.76); Calibrated: 2013/10/15;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn495; Calibrated: 2013/5/8
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP:1127
- 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) = 20.4 W/kg

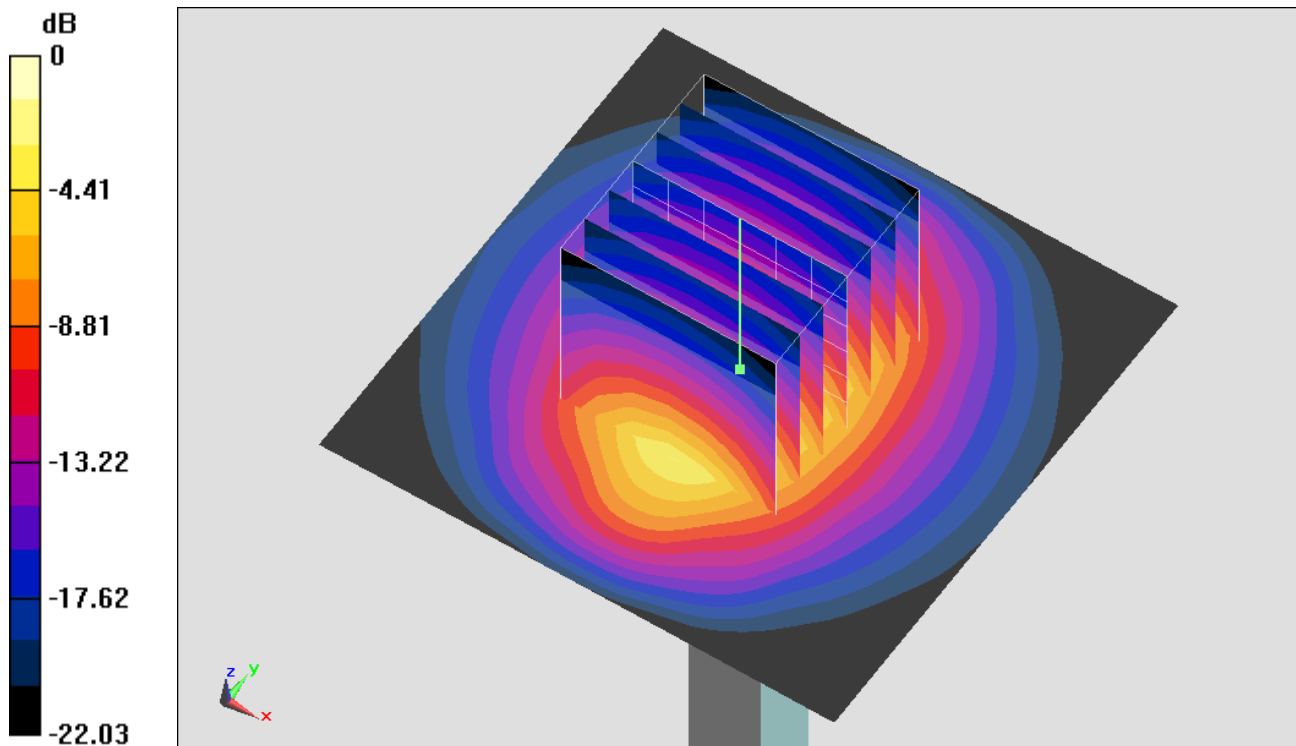
Configuration/Pin=250mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 101.9 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 27.7 W/kg

SAR(1 g) = 13.1 W/kg; SAR(10 g) = 5.99 W/kg

Maximum value of SAR (measured) = 20.2 W/kg



0 dB = 20.2 W/kg = 13.05 dBW/kg

System Check_Body_5200MHz_131017

DUT: D5GHzV2-SN:1128

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

Medium: MSL_5G_131017 Medium parameters used: $f = 5200 \text{ MHz}$; $\sigma = 5.336 \text{ mho/m}$; $\epsilon_r = 47.488$; $\rho = 1000 \text{ kg/m}^3$

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3820; ConvF(4.23, 4.23, 4.23); Calibrated: 2012/12/10;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn913; Calibrated: 2013/1/17
- Phantom: ELI 4.0_Front; Type: QDOVA001BB; Serial: 1029
- 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) = 15.8 mW/g

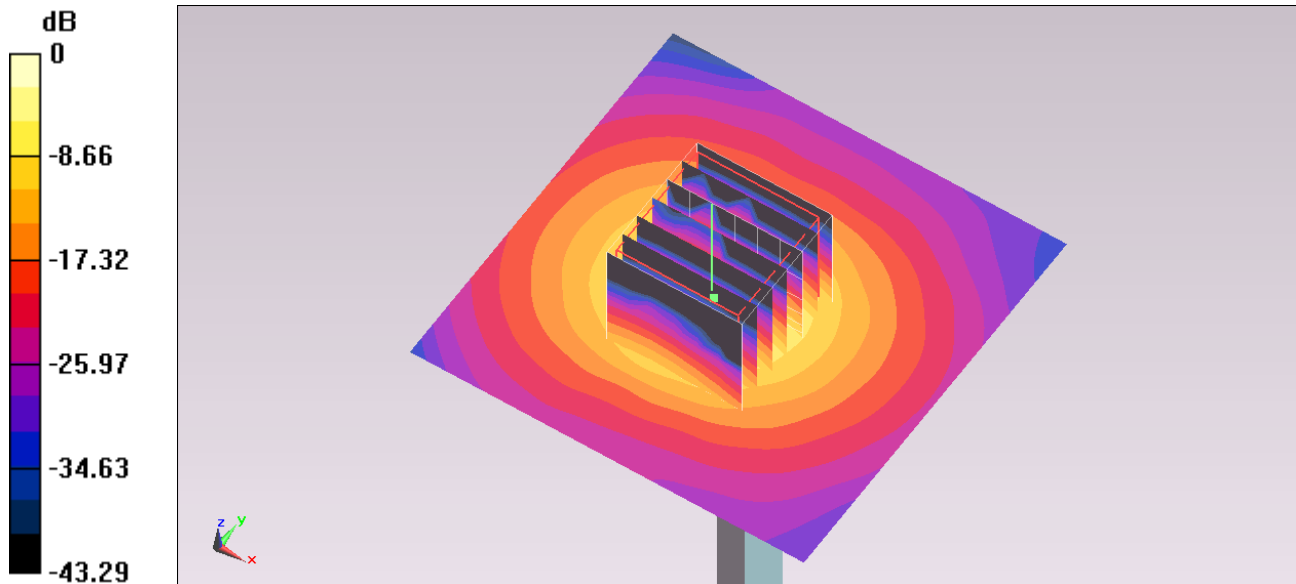
Configuration/Pin=100mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=4\text{mm}$, $dy=4\text{mm}$, $dz=1.4\text{mm}$

Reference Value = 60.205 V/m ; Power Drift = 0.06 dB

Peak SAR (extrapolated) = 26.524 mW/g

SAR(1 g) = 6.8 mW/g ; SAR(10 g) = 1.86 mW/g

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



0 dB = $16.6 \text{ mW/g} = 24.40 \text{ dB mW/g}$

System Check_Body_5200MHz_131018

DUT: D5GHzV2-SN:1128

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

Medium: MSL_5G_131018 Medium parameters used: $f = 5200$ MHz; $\sigma = 5.242$ mho/m; $\epsilon_r = 48.102$; $\rho = 1000$ kg/m³

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3820; ConvF(4.23, 4.23, 4.23); Calibrated: 2012/12/10;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn913; Calibrated: 2013/1/17
- Phantom: ELI 4.0_Front; Type: QDOVA001BB; Serial: 1029
- 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) = 16.7 mW/g

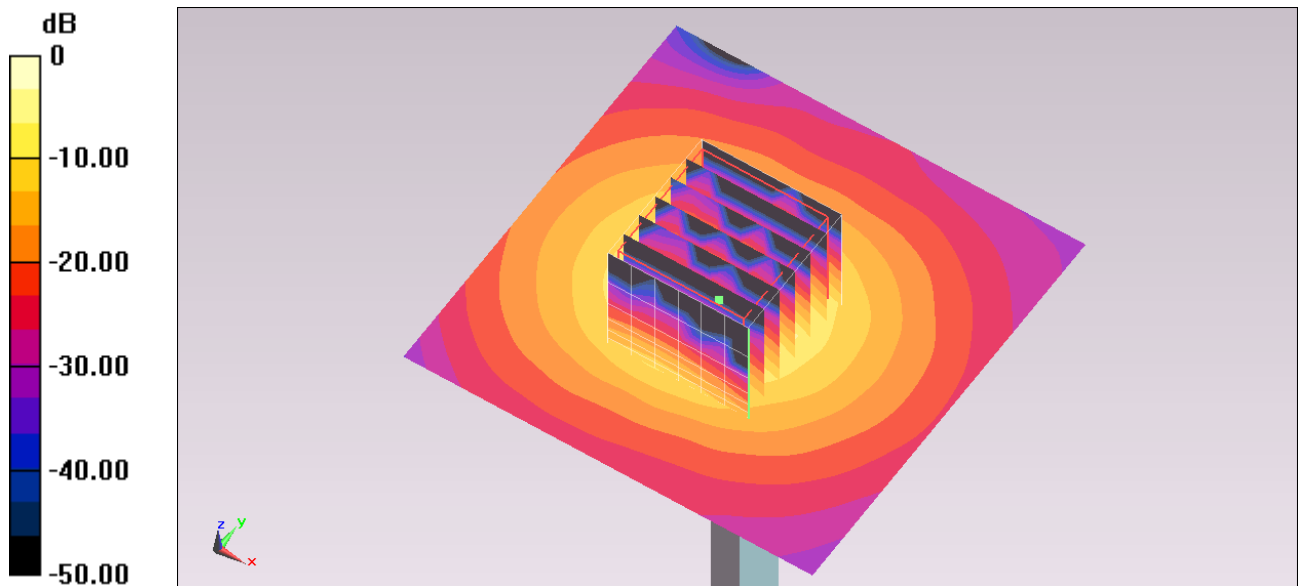
Configuration/Pin=100mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 62.382 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 27.614 mW/g

SAR(1 g) = 7.11 mW/g; SAR(10 g) = 1.96 mW/g

Maximum value of SAR (measured) = 17.4 mW/g



0 dB = 17.4 mW/g = 24.81 dB mW/g

System Check_Body_5200MHz_131101

DUT: D5GHzV2-SN:1128

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

Medium: MSL_5G_131101 Medium parameters used: $f = 5200$ MHz; $\sigma = 5.423$ S/m; $\epsilon_r = 47.834$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.7 °C; Liquid Temperature : 22.7 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3697; ConvF(4.31, 4.31, 4.31); Calibrated: 2013/10/15;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn495; Calibrated: 2013/5/8
- Phantom: ELI v5.0 Left; Type: QDOVA002AA; Serial: TP:1131
- 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) = 17.5 W/kg

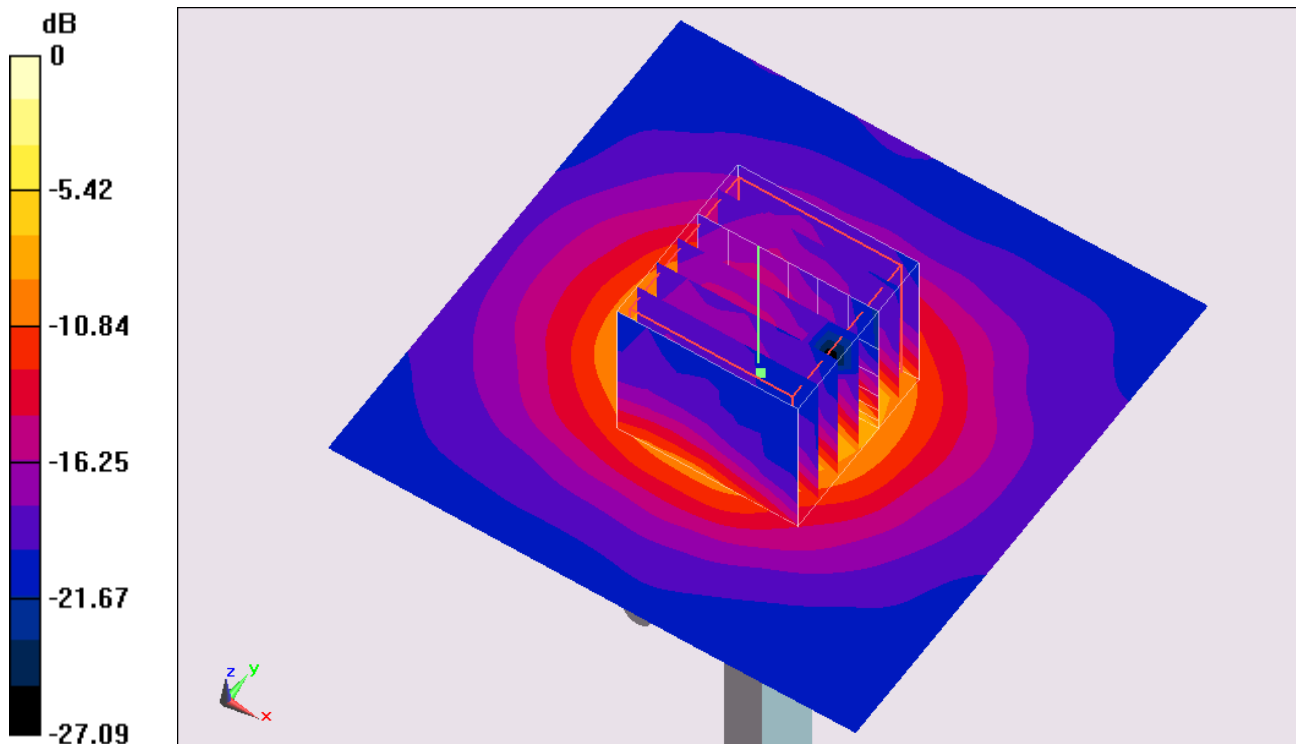
Configuration/Pin=100mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 45.871 V/m; Power Drift = -0.11 dB

Peak SAR (extrapolated) = 27.0 W/kg

SAR(1 g) = 7.25 W/kg; SAR(10 g) = 2.14 W/kg

Maximum value of SAR (measured) = 17.0 W/kg



0 dB = 17.0 W/kg = 12.30 dBW/kg

System Check_Body_5300MHz_131017

DUT: D5GHzV2-SN:1128

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

Medium: MSL_5G_131017 Medium parameters used: $f = 5300 \text{ MHz}$; $\sigma = 5.478 \text{ mho/m}$; $\epsilon_r = 47.222$; $\rho = 1000 \text{ kg/m}^3$

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3820; ConvF(3.95, 3.95, 3.95); Calibrated: 2012/12/10;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn913; Calibrated: 2013/1/17
- Phantom: ELI 4.0_Front; Type: QDOVA001BB; Serial: 1029
- 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) = 20.0 mW/g

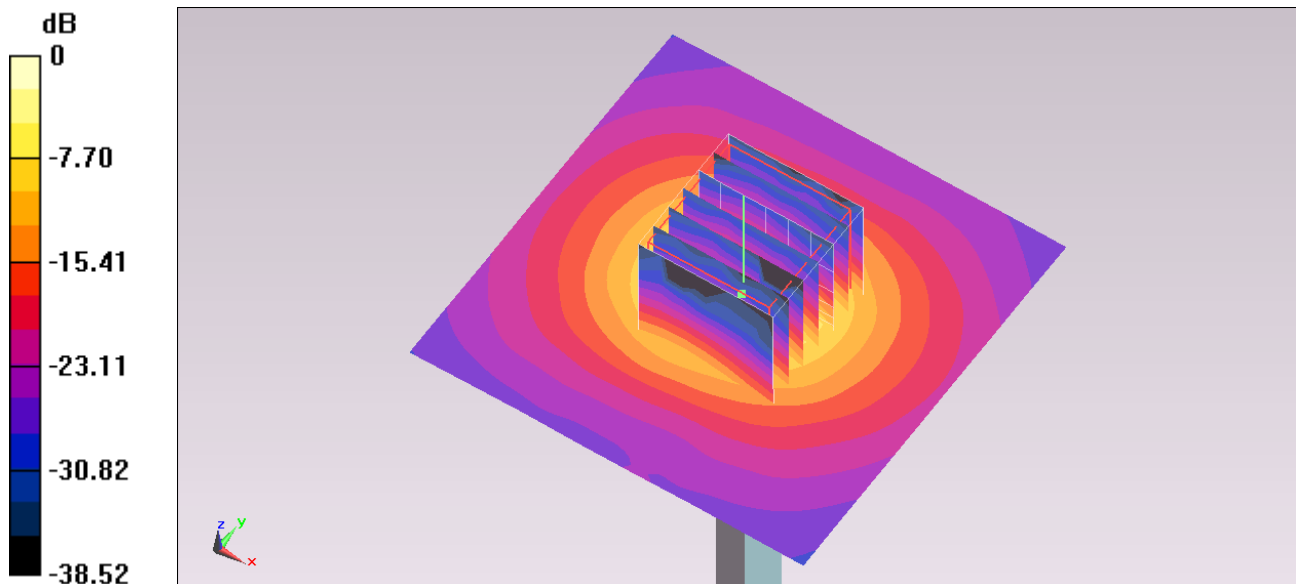
Configuration/Pin=100mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=4\text{mm}$, $dy=4\text{mm}$, $dz=1.4\text{mm}$

Reference Value = 47.746 V/m ; Power Drift = 0.05 dB

Peak SAR (extrapolated) = 34.906 mW/g

SAR(1 g) = 7.72 mW/g ; SAR(10 g) = 2.1 mW/g

Maximum value of SAR (measured) = 19.4 mW/g



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

System Check_Body_5300MHz_131018

DUT: D5GHzV2-SN:1128

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

Medium: MSL_5G_131018 Medium parameters used: $f = 5300$ MHz; $\sigma = 5.389$ mho/m; $\epsilon_r = 47.976$; $\rho = 1000$ kg/m³

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3820; ConvF(3.95, 3.95, 3.95); Calibrated: 2012/12/10;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn913; Calibrated: 2013/1/17
- Phantom: ELI 4.0_Front; Type: QDOVA001BB; Serial: 1029
- 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) = 19.7 mW/g

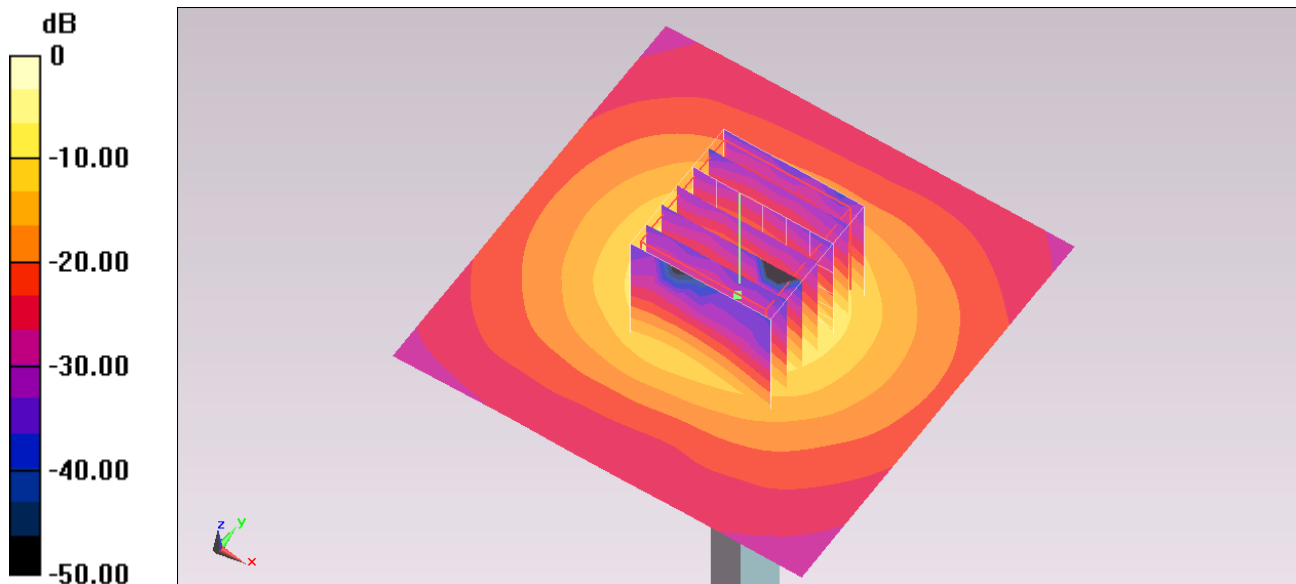
Configuration/Pin=100mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 47.746 V/m; Power Drift = 0.05 dB

Peak SAR (extrapolated) = 34.340 mW/g

SAR(1 g) = 7.6 mW/g; SAR(10 g) = 2.07 mW/g

Maximum value of SAR (measured) = 19.1 mW/g



0 dB = 19.1 mW/g = 25.62 dB mW/g

System Check_Body_5300MHz_131101

DUT: D5GHzV2-SN:1128

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

Medium: MSL_5G_131101 Medium parameters used: $f = 5300$ MHz; $\sigma = 5.557$ S/m; $\epsilon_r = 47.681$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.7 °C; Liquid Temperature : 22.7 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3697; ConvF(4.09, 4.09, 4.09); Calibrated: 2013/10/15;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn495; Calibrated: 2013/5/8
- Phantom: ELI v5.0 Left; Type: QDOVA002AA; Serial: TP:1131
- 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) = 18.7 W/kg

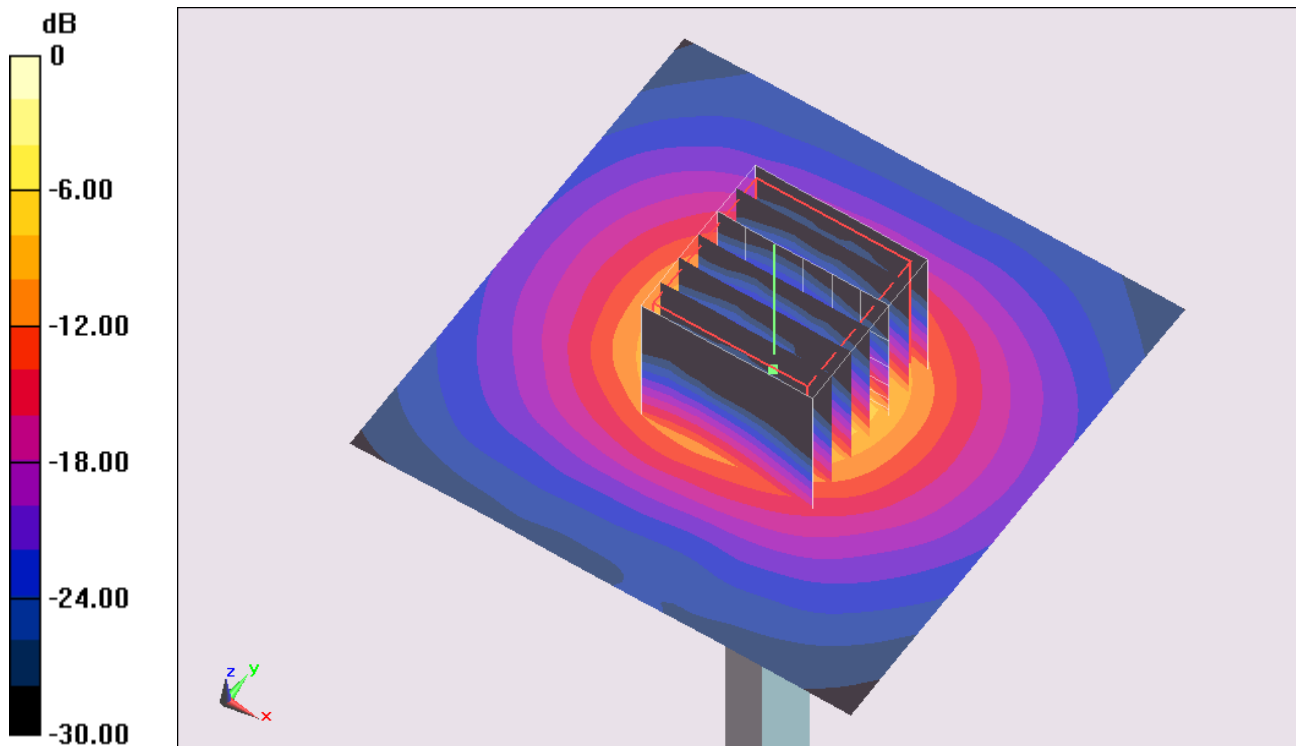
Configuration/Pin=100mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 43.538 V/m; Power Drift = 0.05 dB

Peak SAR (extrapolated) = 37.0 W/kg

SAR(1 g) = 7.1 W/kg; SAR(10 g) = 1.91 W/kg

Maximum value of SAR (measured) = 18.3 W/kg



0 dB = 18.3 W/kg = 12.62 dBW/kg

System Check_Body_5600MHz_131017

DUT: D5GHzV2-SN:1128

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

Medium: MSL_5G_131017 Medium parameters used: $f = 5600$ MHz; $\sigma = 5.881$ mho/m; $\epsilon_r = 46.699$; $\rho = 1000$ kg/m³

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3820; ConvF(3.39, 3.39, 3.39); Calibrated: 2012/12/10;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn913; Calibrated: 2013/1/17
- Phantom: ELI 4.0_Front; Type: QDOVA001BB; Serial: 1029
- 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) = 21.0 mW/g

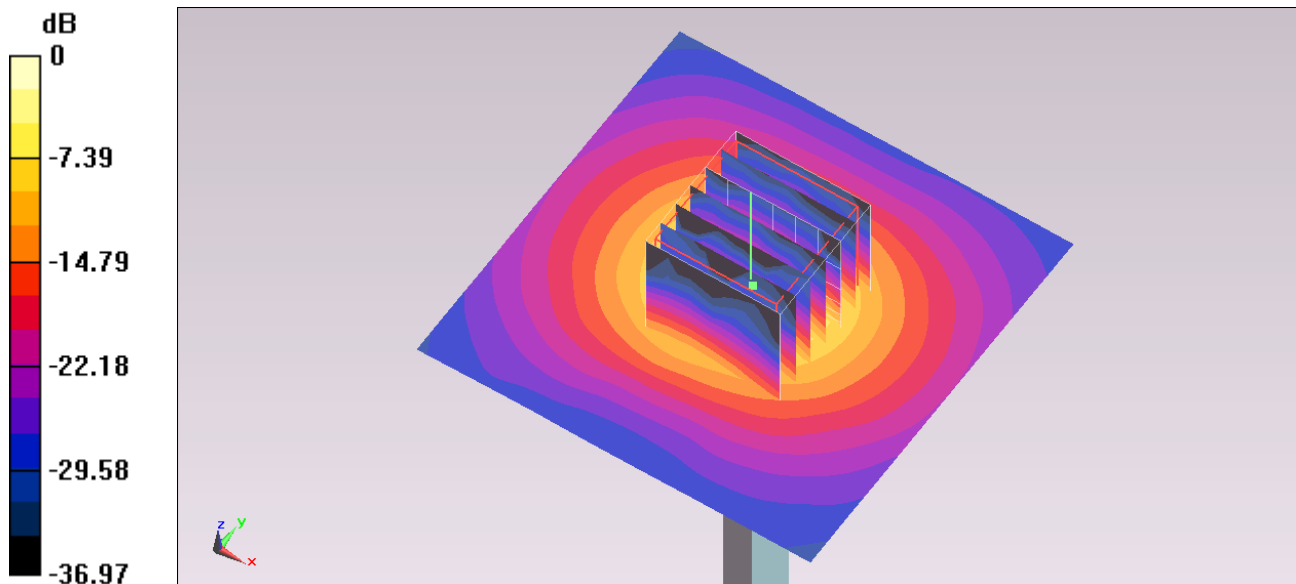
Configuration/Pin=100mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 47.276 V/m; Power Drift = 0.05 dB

Peak SAR (extrapolated) = 36.332 mW/g

SAR(1 g) = 8.04 mW/g; SAR(10 g) = 2.2 mW/g

Maximum value of SAR (measured) = 20.0 mW/g



0 dB = 20.0 mW/g = 26.02 dB mW/g

System Check_Body_5600MHz_131018

DUT: D5GHzV2-SN:1128

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

Medium: MSL_5G_131018 Medium parameters used: $f = 5600$ MHz; $\sigma = 5.795$ mho/m; $\epsilon_r = 47.392$; $\rho = 1000$ kg/m³

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3820; ConvF(3.39, 3.39, 3.39); Calibrated: 2012/12/10;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn913; Calibrated: 2013/1/17
- Phantom: ELI 4.0_Front; Type: QDOVA001BB; Serial: 1029
- 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) = 20.7 mW/g

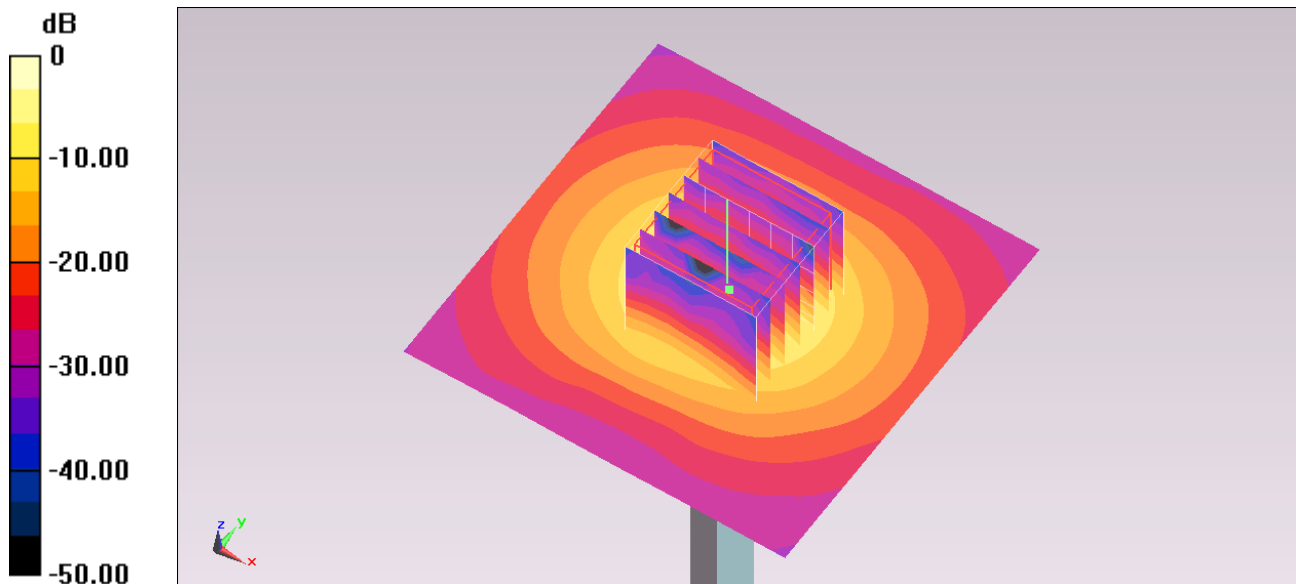
Configuration/Pin=100mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 47.276 V/m; Power Drift = 0.05 dB

Peak SAR (extrapolated) = 35.798 mW/g

SAR(1 g) = 7.92 mW/g; SAR(10 g) = 2.16 mW/g

Maximum value of SAR (measured) = 19.7 mW/g



0 dB = 19.7 mW/g = 25.89 dB mW/g

System Check_Body_5800MHz_131017

DUT: D5GHzV2-SN:1128

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

Medium: MSL_5G_131017 Medium parameters used: $f = 5800 \text{ MHz}$; $\sigma = 6.243 \text{ mho/m}$; $\epsilon_r = 46.387$; $\rho = 1000 \text{ kg/m}^3$

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3820; ConvF(3.83, 3.83, 3.83); Calibrated: 2012/12/10;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn913; Calibrated: 2013/1/17
- Phantom: ELI 4.0_Front; Type: QDOVA001BB; Serial: 1029
- 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) = 26.1 mW/g

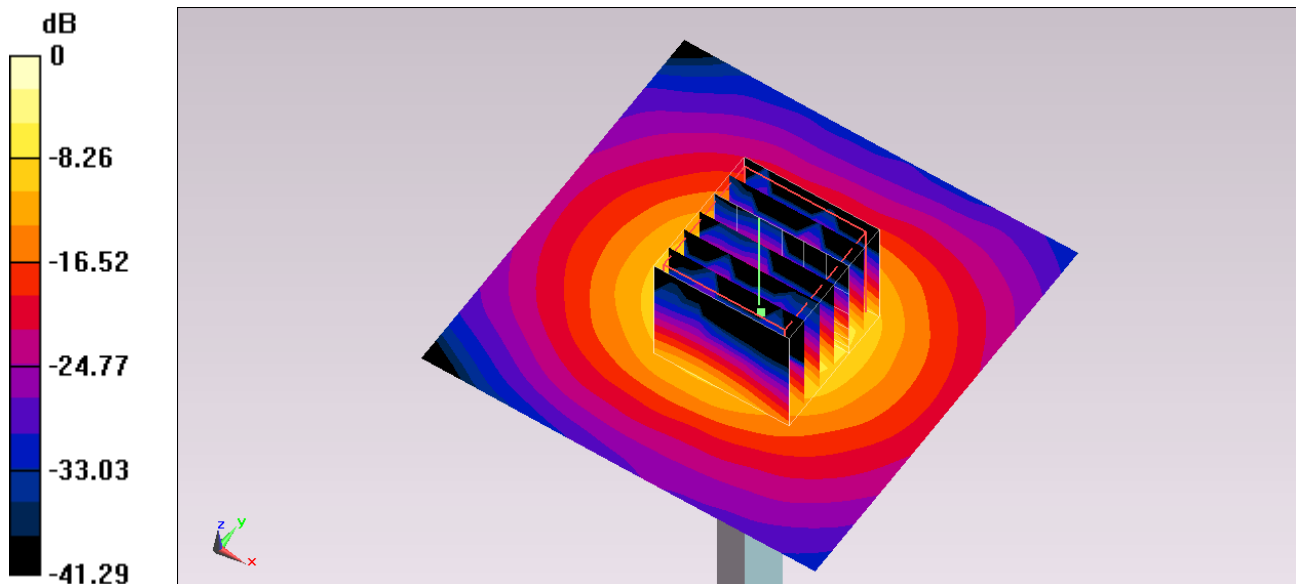
Configuration/Pin=100mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=4\text{mm}$, $dy=4\text{mm}$, $dz=1.4\text{mm}$

Reference Value = 54.010 V/m ; Power Drift = -0.16 dB

Peak SAR (extrapolated) = 45.821 mW/g

SAR(1 g) = 7.62 mW/g ; SAR(10 g) = 2.9 mW/g

Maximum value of SAR (measured) = 27.8 mW/g



0 dB = $27.8 \text{ mW/g} = 28.88 \text{ dB mW/g}$

System Check_Body_5800MHz_131018

DUT: D5GHzV2-SN:1128

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

Medium: MSL_5G_131018 Medium parameters used: $f = 5800 \text{ MHz}$; $\sigma = 6.012 \text{ mho/m}$; $\epsilon_r = 47.081$; $\rho = 1000 \text{ kg/m}^3$

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3820; ConvF(3.83, 3.83, 3.83); Calibrated: 2012/12/10;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn913; Calibrated: 2013/1/17
- Phantom: ELI 4.0_Front; Type: QDOVA001BB; Serial: 1029
- 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) = 20.3 mW/g

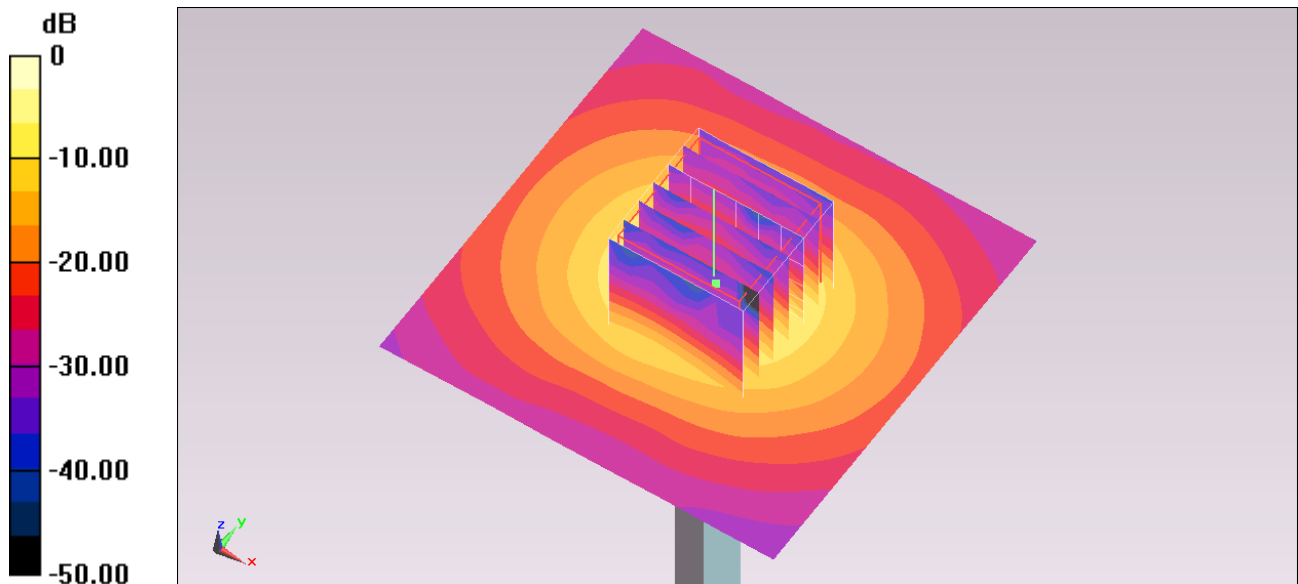
Configuration/Pin=100mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=4\text{mm}$, $dy=4\text{mm}$, $dz=1.4\text{mm}$

Reference Value = 44.544 V/m ; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 38.848 mW/g

SAR(1 g) = 7.66 mW/g ; SAR(10 g) = 2.08 mW/g

Maximum value of SAR (measured) = 19.5 mW/g



0 dB = $19.5 \text{ mW/g} = 25.80 \text{ dB mW/g}$