

System Check_Body_2450MHz_110901**DUT: Dipole 2450 MHz**

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

Medium: MSL2450 Medium parameters used: $f = 2450$ MHz; $\sigma = 2.02$ mho/m; $\epsilon_r = 50.71$; $\rho = 1000$ kg/m³

Ambient Temperature : 22.6 °C; Liquid Temperature : 21.6 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3792; ConvF(6.67, 6.67, 6.67); Calibrated: 2011/6/20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn495; Calibrated: 2011/4/28
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP1127
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.5 (3634)

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

Maximum value of SAR (interpolated) = 15.712 mW/g

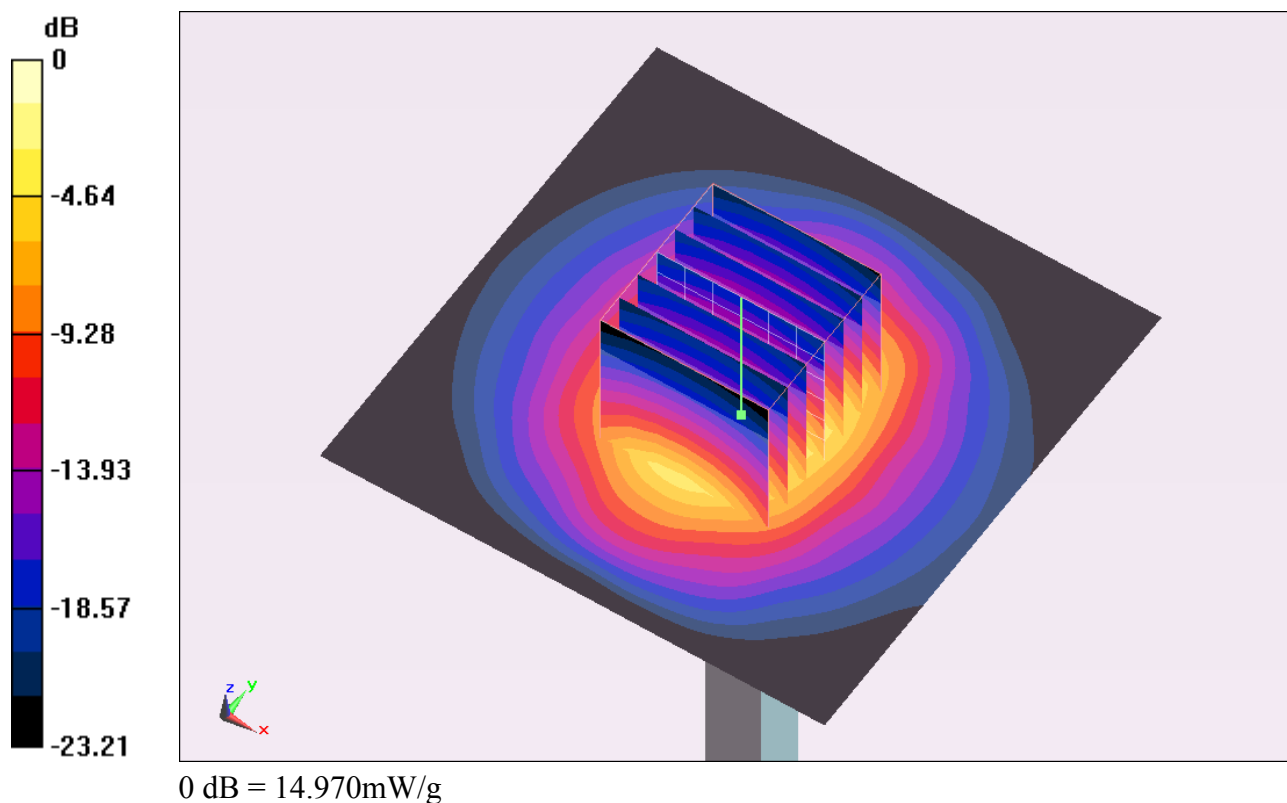
Pin=250mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 84.027 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 29.702 W/kg

SAR(1 g) = 13.5 mW/g; SAR(10 g) = 6.16 mW/g

Maximum value of SAR (measured) = 14.974 mW/g



System Check_Body_2450MHz_110908**DUT: Dipole 2450 MHz**

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

Medium: MSL_2450_110908 Medium parameters used: $f = 2450$ MHz; $\sigma = 1.968$ mho/m; $\epsilon_r =$

53.802; $\rho = 1000$ kg/m³

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3792; ConvF(6.67, 6.67, 6.67); Calibrated: 2011/6/20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn577; Calibrated: 2011/1/13
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP1127
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.5 (3634)

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

Maximum value of SAR (interpolated) = 15.352 mW/g

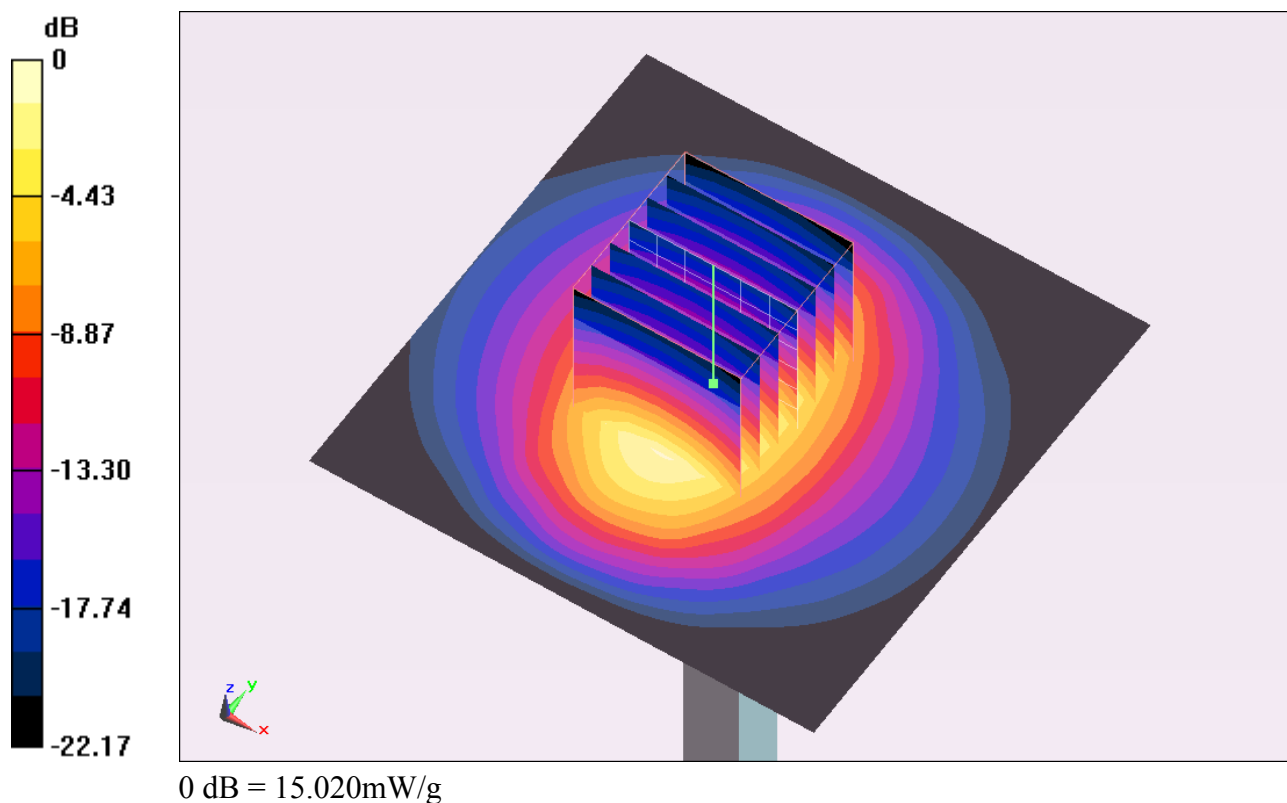
Pin=250mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 85.604 V/m; Power Drift = 0.09 dB

Peak SAR (extrapolated) = 29.622 W/kg

SAR(1 g) = 13.5 mW/g; SAR(10 g) = 6.42 mW/g

Maximum value of SAR (measured) = 15.016 mW/g



System Check_Body_2450MHz_120102

DUT: Dipole 2450 MHz

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

Medium: MSL_2450_120102 Medium parameters used: $f = 2450 \text{ MHz}$; $\sigma = 1.97 \text{ mho/m}$; $\epsilon_r = 54.2$; $\rho = 1000 \text{ kg/m}^3$

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

DASY5 Configuration:

- Probe: ES3DV3 - SN3270; ConvF(4.28, 4.28, 4.28); Calibrated: 2011/9/12
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1279; Calibrated: 2011/6/17
- Phantom: ELI 4.0; Type: QDOVA001BA; Serial: 1029
- Software: DASY5 Version; SEMCAD X Version 13.4 Build 125

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

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

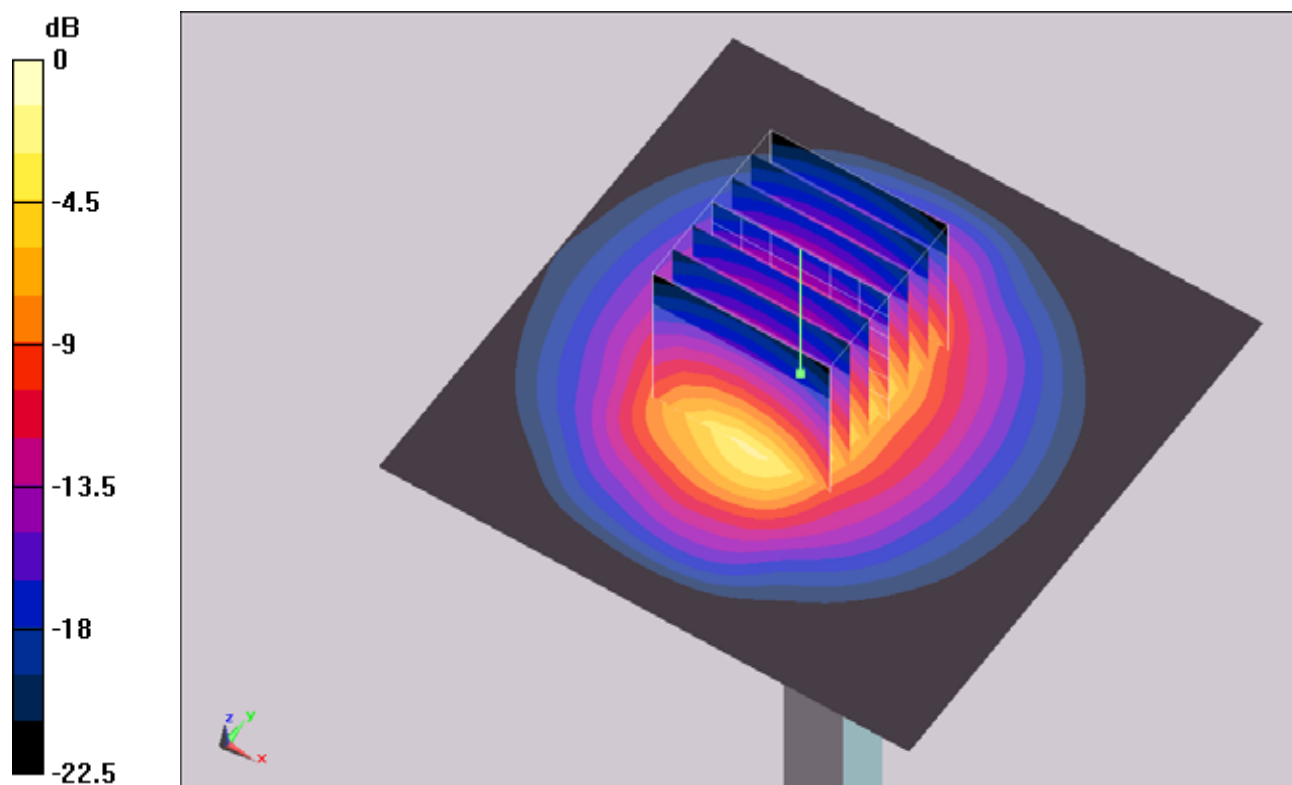
Pin=250mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$

Reference Value = 83.8 V/m ; Power Drift = 0.177 dB

Peak SAR (extrapolated) = 30.4 W/kg

SAR(1 g) = 13.7 mW/g ; SAR(10 g) = 6.15 mW/g

Maximum value of SAR (measured) = 15.6 mW/g



0 dB = 15.6mW/g

System Check_Body_5200MHz_110901**DUT: Dipole 5GHz**

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

Medium: MSL_5G_110901 Medium parameters used: $f = 5200$ MHz; $\sigma = 5.325$ mho/m; $\epsilon_r = 48.639$;

$\rho = 1000$ kg/m³

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3578; ConvF(3.74, 3.74, 3.74); Calibrated: 2011/6/21
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn577; Calibrated: 2011/1/13
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP1127
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.5 (3634)

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

Maximum value of SAR (interpolated) = 37.428 mW/g

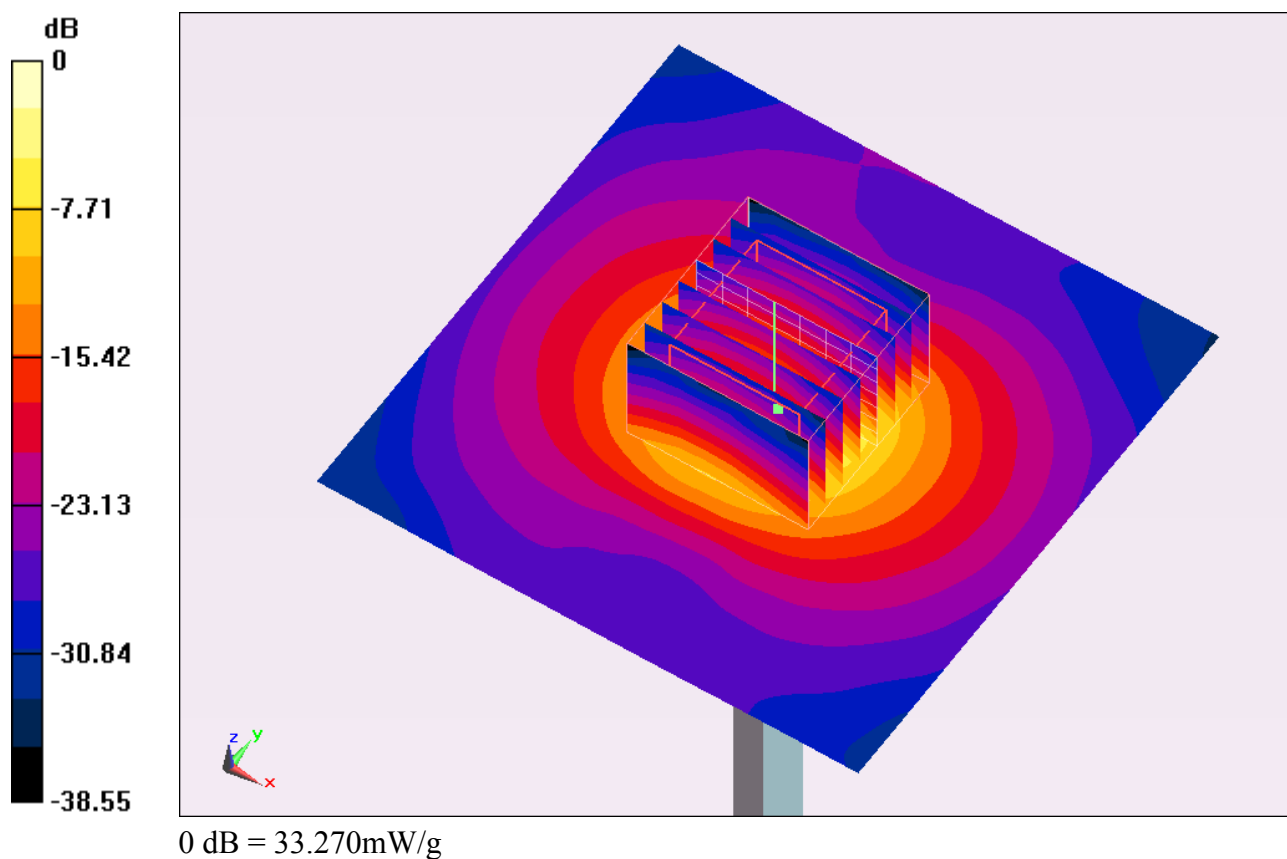
Pin=250mW/Zoom Scan (8x8x8)/Cube 0: Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm

Reference Value = 89.918 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 58.472 W/kg

SAR(1 g) = 20 mW/g; SAR(10 g) = 5.86 mW/g

Maximum value of SAR (measured) = 33.266 mW/g



System Check_Body_5200MHz_110906**DUT: Dipole 5GHz**

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

Medium: MSL_5G_110906 Medium parameters used: $f = 5200$ MHz; $\sigma = 5.425$ mho/m; $\epsilon_r = 48.739$;

$\rho = 1000$ kg/m³

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3578; ConvF(3.74, 3.74, 3.74); Calibrated: 2011/6/21
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn577; Calibrated: 2011/1/13
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP1127
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.5 (3634)

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

Maximum value of SAR (interpolated) = 38.425 mW/g

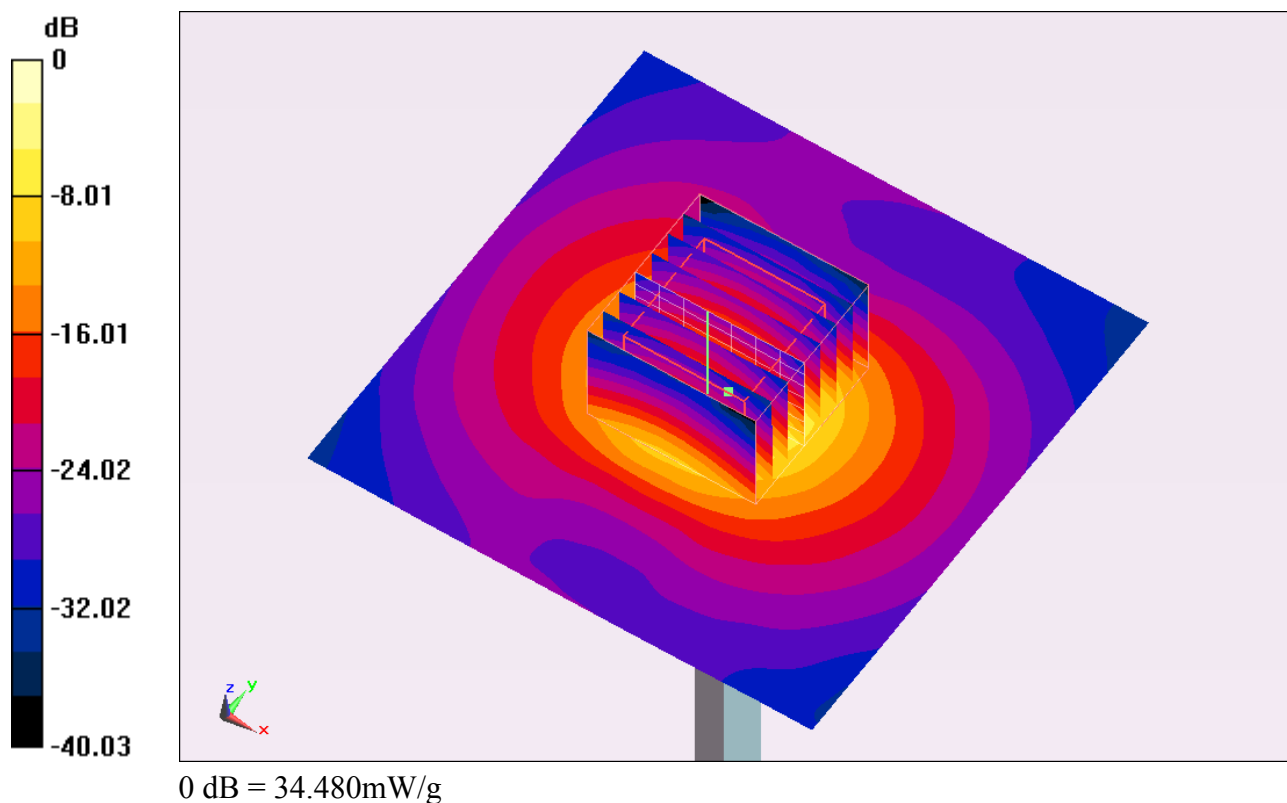
Pin=250mW/Zoom Scan (8x8x8)/Cube 0: Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm

Reference Value = 89.884 V/m; Power Drift = 0.06 dB

Peak SAR (extrapolated) = 62.296 W/kg

SAR(1 g) = 20.5 mW/g; SAR(10 g) = 5.92 mW/g

Maximum value of SAR (measured) = 34.480 mW/g



System Check_Body_5200MHz_110908**DUT: Dipole 5GHz**

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

Medium: MSL_5G_110908 Medium parameters used: $f = 5200$ MHz; $\sigma = 5.287$ mho/m; $\epsilon_r = 48.755$;

$\rho = 1000$ kg/m³

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3792; ConvF(4.22, 4.22, 4.22); Calibrated: 2011/6/20
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn577; Calibrated: 2011/1/13
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP1127
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.5 (3634)

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

Maximum value of SAR (interpolated) = 32.433 mW/g

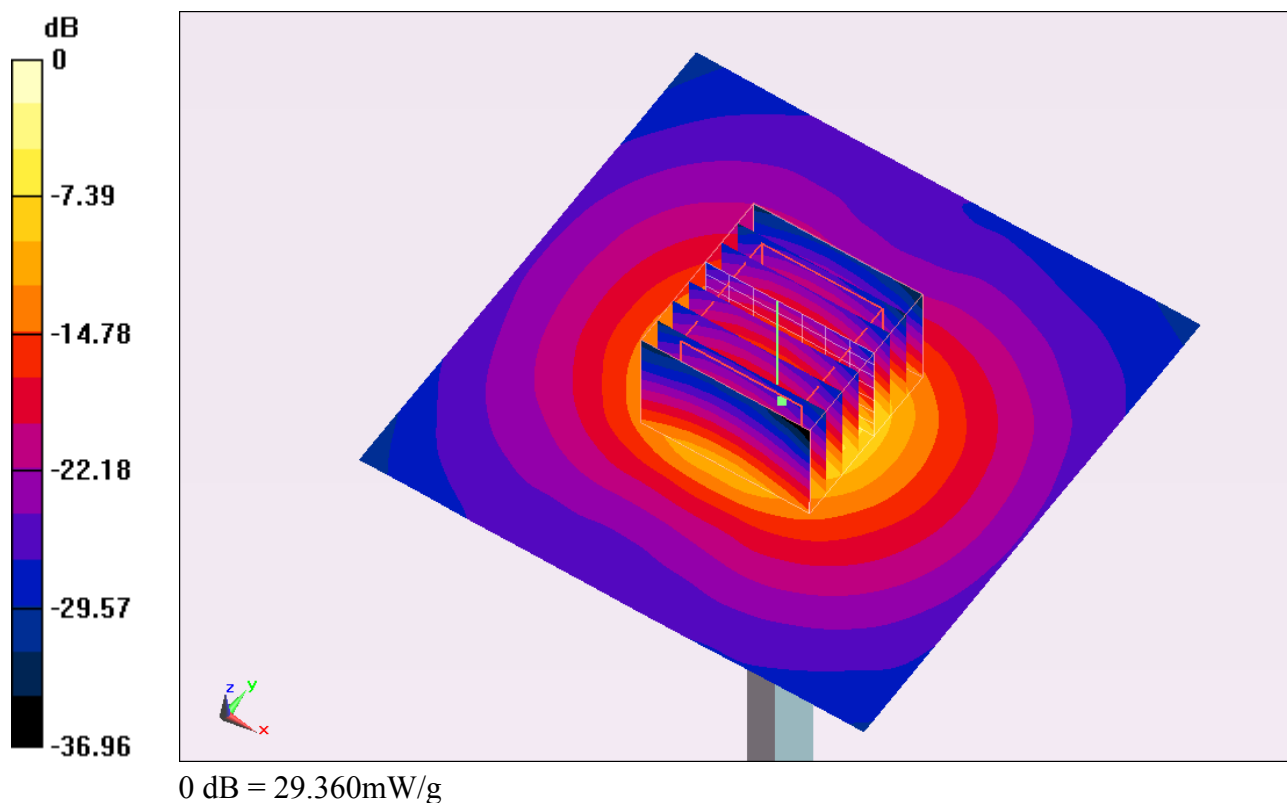
Pin=250mW/Zoom Scan (8x8x8)/Cube 0: Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm

Reference Value = 84.176 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 51.075 W/kg

SAR(1 g) = 17.9 mW/g; SAR(10 g) = 5.26 mW/g

Maximum value of SAR (measured) = 29.364 mW/g



System Check_Body_5200MHz_111222

DUT: Dipole 5GHz

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

Medium: MSL_5G_111222 Medium parameters used: $f = 5200 \text{ MHz}$; $\sigma = 5.28 \text{ mho/m}$; $\epsilon_r = 47.6$; $\rho = 1000 \text{ kg/m}^3$

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3792; ConvF(4.22, 4.22, 4.22); Calibrated: 2011/6/20
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn778; Calibrated: 2011/11/22
- Phantom: ELI 4.0_Front; Type: QD 0VA 002 AA; Serial: TP-1131
- ; SEMCAD X Version 13.4 Build 125

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

Maximum value of SAR (interpolated) = 35.6 mW/g

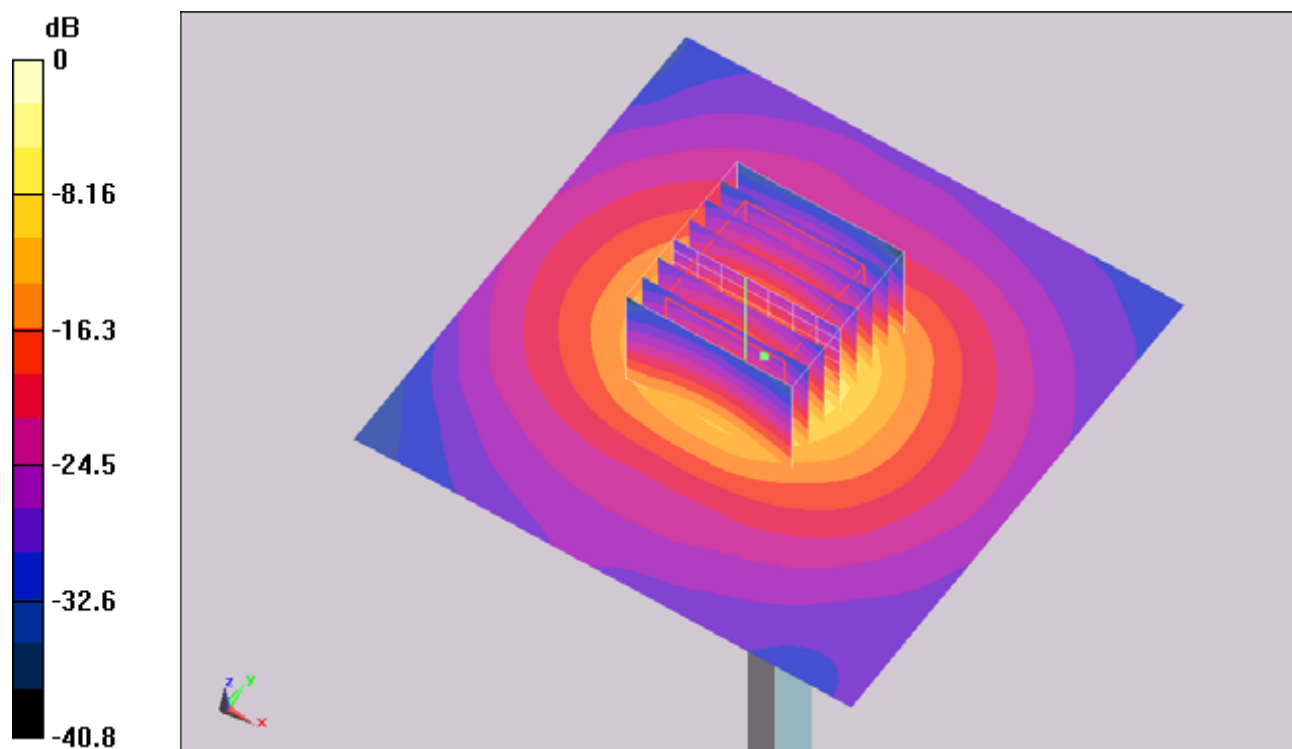
Pin=250mW/Zoom Scan (8x8x8)/Cube 0: Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm

Reference Value = 83.8 V/m; Power Drift = 0.016 dB

Peak SAR (extrapolated) = 62.5 W/kg

SAR(1 g) = 19.9 mW/g; SAR(10 g) = 5.71 mW/g

Maximum value of SAR (measured) = 33 mW/g



System Check_Body_5200MHz_120112**DUT: Dipole 5GHz**

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

Medium: MSL_5G_120112 Medium parameters used: $f = 5200$ MHz; $\sigma = 5.37$ mho/m; $\epsilon_r = 48.5$; $\rho = 1000$ kg/m³

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

DASY4 Configuration:

- Probe: EX3DV4 - SN3792; ConvF(4.22, 4.22, 4.22); Calibrated: 2011/6/20
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn778; Calibrated: 2011/11/22
- 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) = 36.2 mW/g

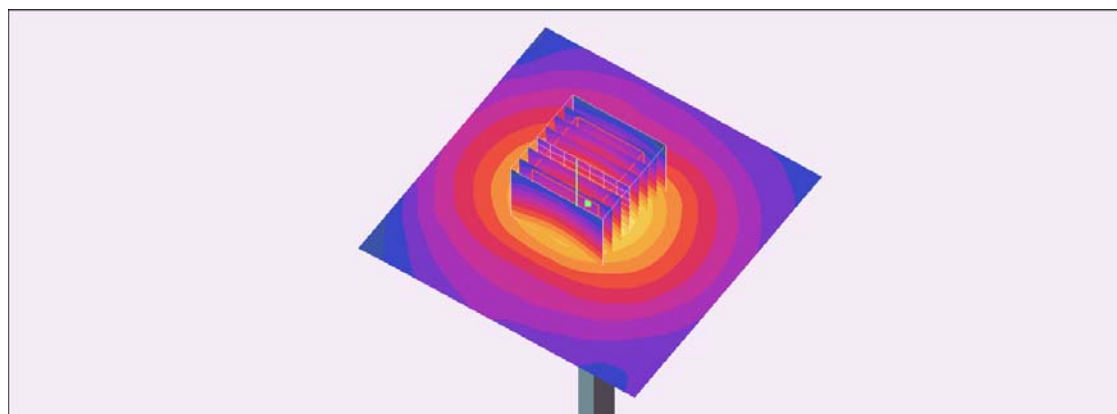
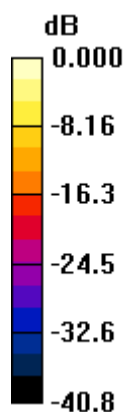
Pin=250mW/Zoom Scan (8x8x8)/Cube 0: Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm

Reference Value = 83.8 V/m; Power Drift = 0.016 dB

Peak SAR (extrapolated) = 63.6 W/kg

SAR(1 g) = 20.2 mW/g; SAR(10 g) = 5.8 mW/g

Maximum value of SAR (measured) = 33.6 mW/g



0 dB = 33.6mW/g

System Check_Body_5200MHz_120207**DUT: Dipole 5GHz**

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

Medium: MSL_5G_120207 Medium parameters used: $f = 5200$ MHz; $\sigma = 5.28$ mho/m; $\epsilon_r = 48.5$; $\rho = 1000$ kg/m³

Ambient Temperature : 22.6 °C; Liquid Temperature : 21.6 °C

DASY4 Configuration:

- Probe: EX3DV4 - SN3792; ConvF(4.22, 4.22, 4.22); Calibrated: 2011/6/20
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn778; Calibrated: 2011/11/22
- 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) = 33.6 mW/g

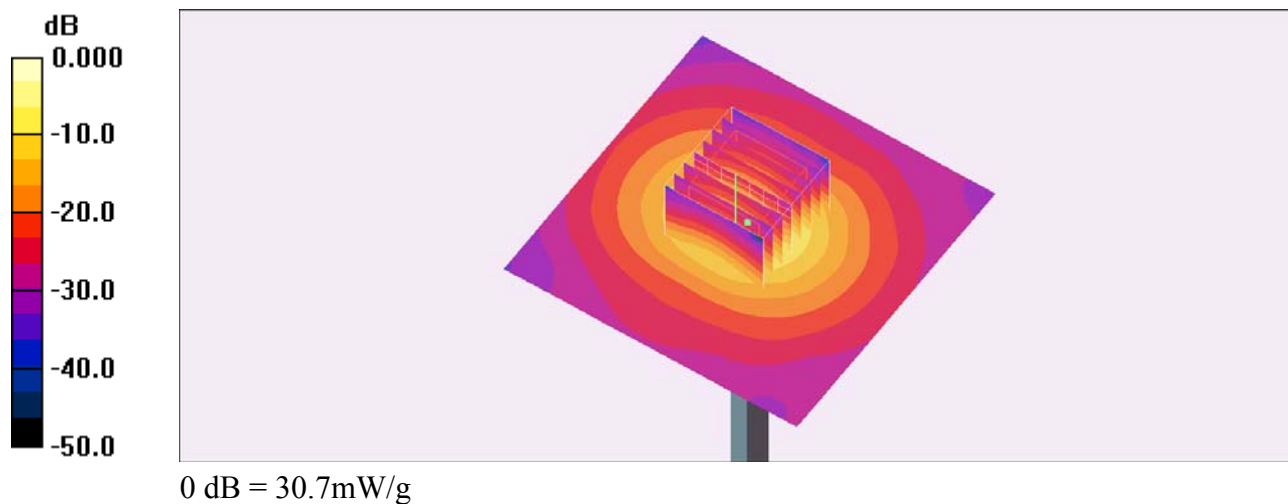
Pin=250mW/Zoom Scan (8x8x8)/Cube 0: Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm

Reference Value = 82.2 V/m; Power Drift = -0.002 dB

Peak SAR (extrapolated) = 59.0 W/kg

SAR(1 g) = 18.4 mW/g; SAR(10 g) = 5.27 mW/g

Maximum value of SAR (measured) = 30.7 mW/g



System Check_Body_5800MHz_110906**DUT: Dipole 5GHz**

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

Medium: MSL_5G_110906 Medium parameters used: $f = 5800$ MHz; $\sigma = 6.106$ mho/m; $\epsilon_r = 47.392$;

$\rho = 1000$ kg/m³

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3578; ConvF(3.23, 3.23, 3.23); Calibrated: 2011/6/21
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn577; Calibrated: 2011/1/13
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP1127
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.5 (3634)

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

Maximum value of SAR (interpolated) = 36.063 mW/g

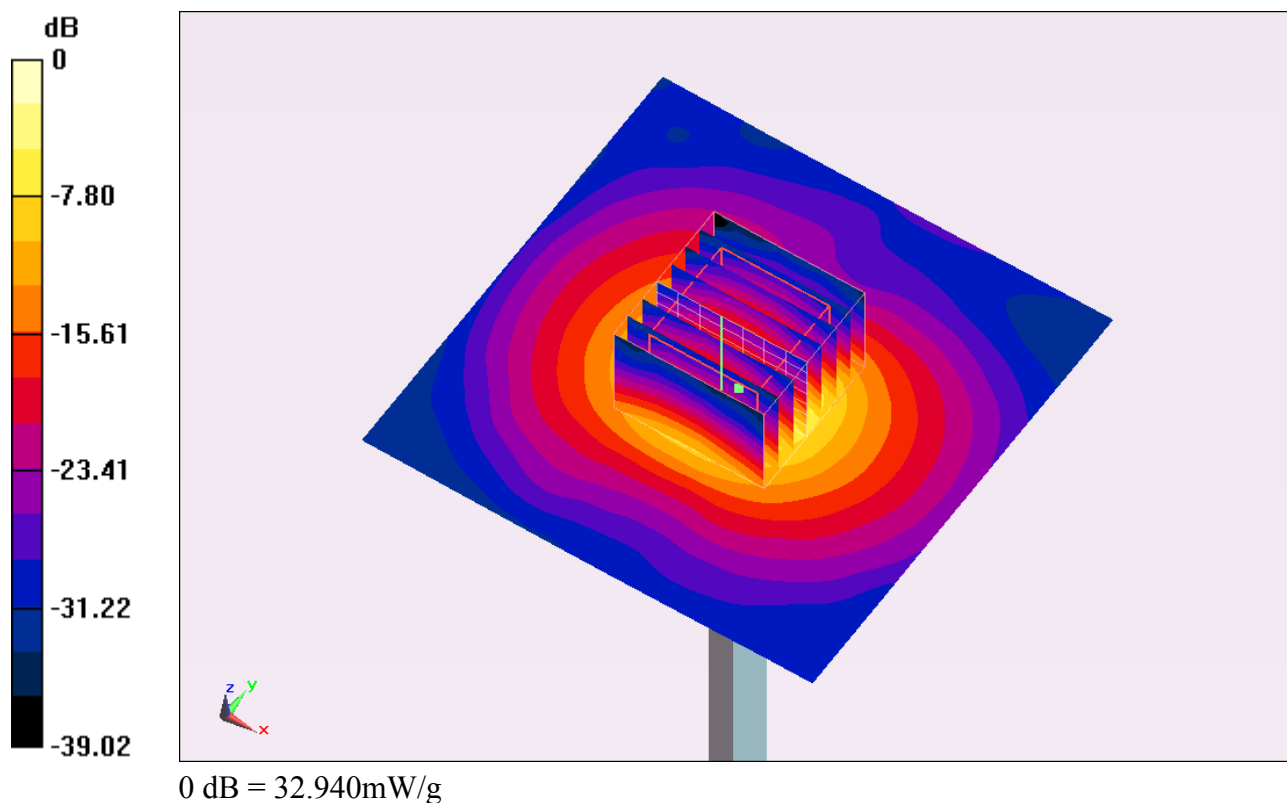
Pin=250mW/Zoom Scan (8x8x8)/Cube 0: Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm

Reference Value = 83.278 V/m; Power Drift = 0.05 dB

Peak SAR (extrapolated) = 59.210 W/kg

SAR(1 g) = 19.9 mW/g; SAR(10 g) = 5.75 mW/g

Maximum value of SAR (measured) = 32.937 mW/g



System Check_Body_5800MHz_110908**DUT: Dipole 5GHz**

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

Medium: MSL_5G_110908 Medium parameters used: $f = 5800$ MHz; $\sigma = 6.12$ mho/m; $\epsilon_r = 47.381$; $\rho = 1000$ kg/m³

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3792; ConvF(3.78, 3.78, 3.78); Calibrated: 2011/6/20
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn577; Calibrated: 2011/1/13
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP1127
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.5 (3634)

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

Maximum value of SAR (interpolated) = 32.077 mW/g

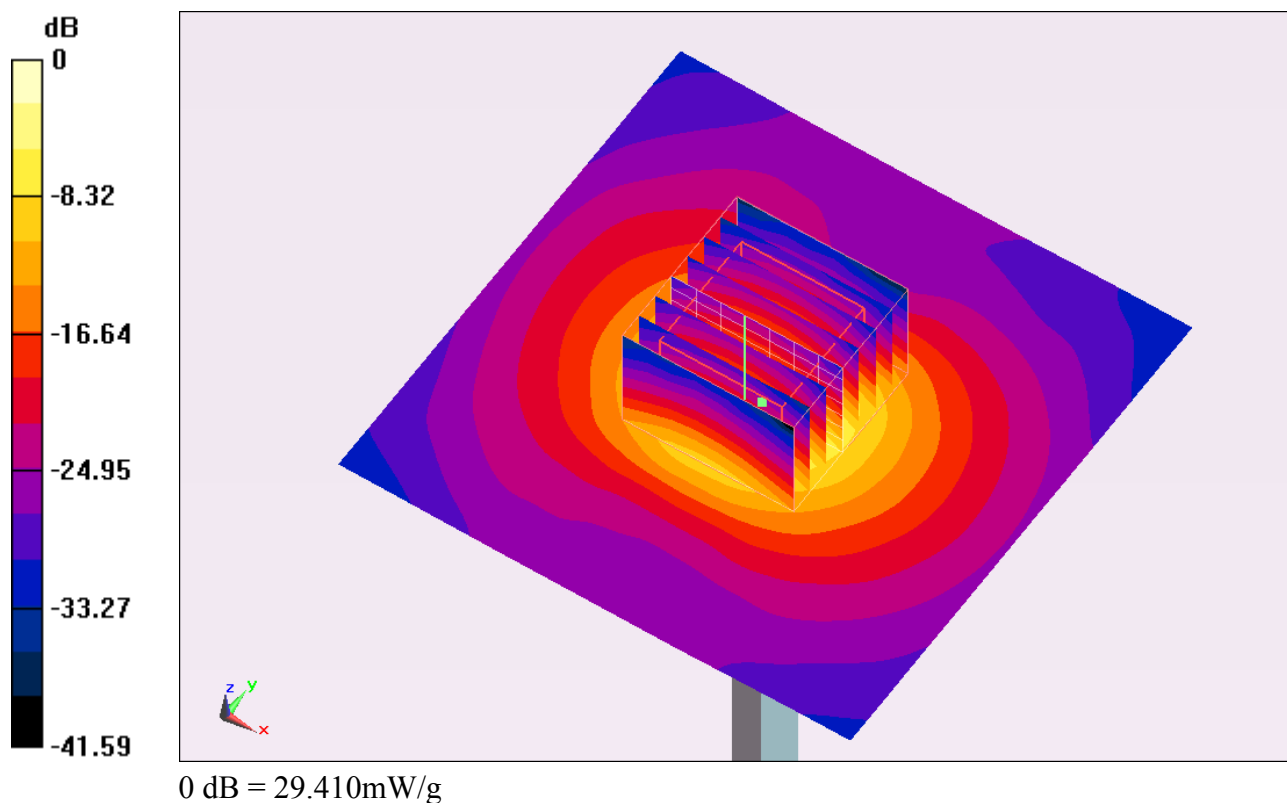
Pin=250mW/Zoom Scan (8x8x8)/Cube 0: Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm

Reference Value = 78.879 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 50.655 W/kg

SAR(1 g) = 17.5 mW/g; SAR(10 g) = 5.08 mW/g

Maximum value of SAR (measured) = 29.405 mW/g



System Check_Body_5800MHz_111222

DUT: Dipole 5GHz

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

Medium: MSL_5G_111222 Medium parameters used: $f = 5800 \text{ MHz}$; $\sigma = 5.98 \text{ mho/m}$; $\epsilon_r = 47.2$; $\rho = 1000 \text{ kg/m}^3$

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3792; ConvF(3.78, 3.78, 3.78); Calibrated: 2011/6/20
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn778; Calibrated: 2011/11/22
- Phantom: ELI 4.0_Front; Type: QD 0VA 002 AA; Serial: TP-1131
- ; SEMCAD X Version 13.4 Build 125

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

Maximum value of SAR (interpolated) = 34.7 mW/g

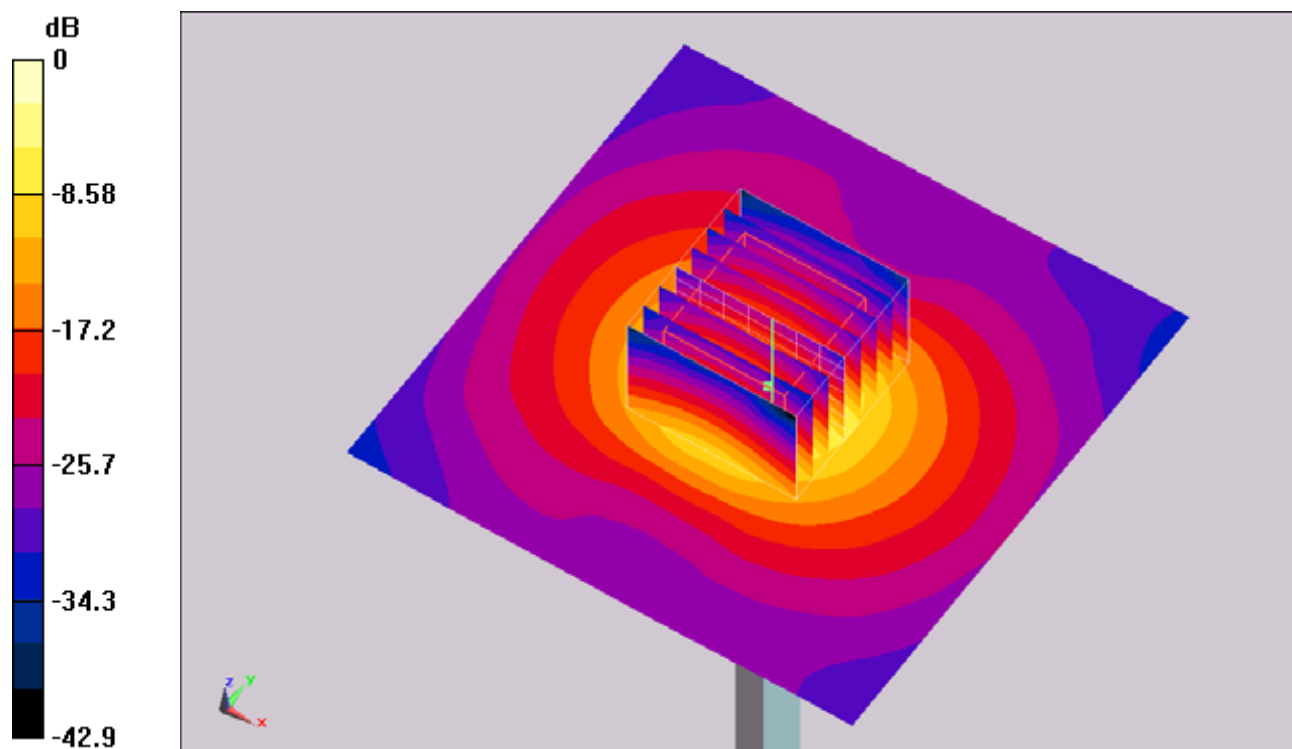
Pin=250mW/Zoom Scan (8x8x8)/Cube 0: Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm

Reference Value = 82.6 V/m; Power Drift = 0.031 dB

Peak SAR (extrapolated) = 55.5 W/kg

SAR(1 g) = 18.9 mW/g; SAR(10 g) = 5.48 mW/g

Maximum value of SAR (measured) = 32.2 mW/g



0 dB = 32.2mW/g

System Check_Body_5800MHz_120101

DUT: Dipole 5GHz

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

Medium: MSL_5G_120101 Medium parameters used: $f = 5800 \text{ MHz}$; $\sigma = 6.14 \text{ mho/m}$; $\epsilon_r = 46.5$; $\rho = 1000 \text{ kg/m}^3$

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3792; ConvF(3.78, 3.78, 3.78); Calibrated: 2011/6/20
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn778; Calibrated: 2011/11/22
- Phantom: ELI 4.0; Type: QDOVA001BA; Serial: 1029
- ; SEMCAD X Version 13.4 Build 125

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

Maximum value of SAR (interpolated) = 35.7 mW/g

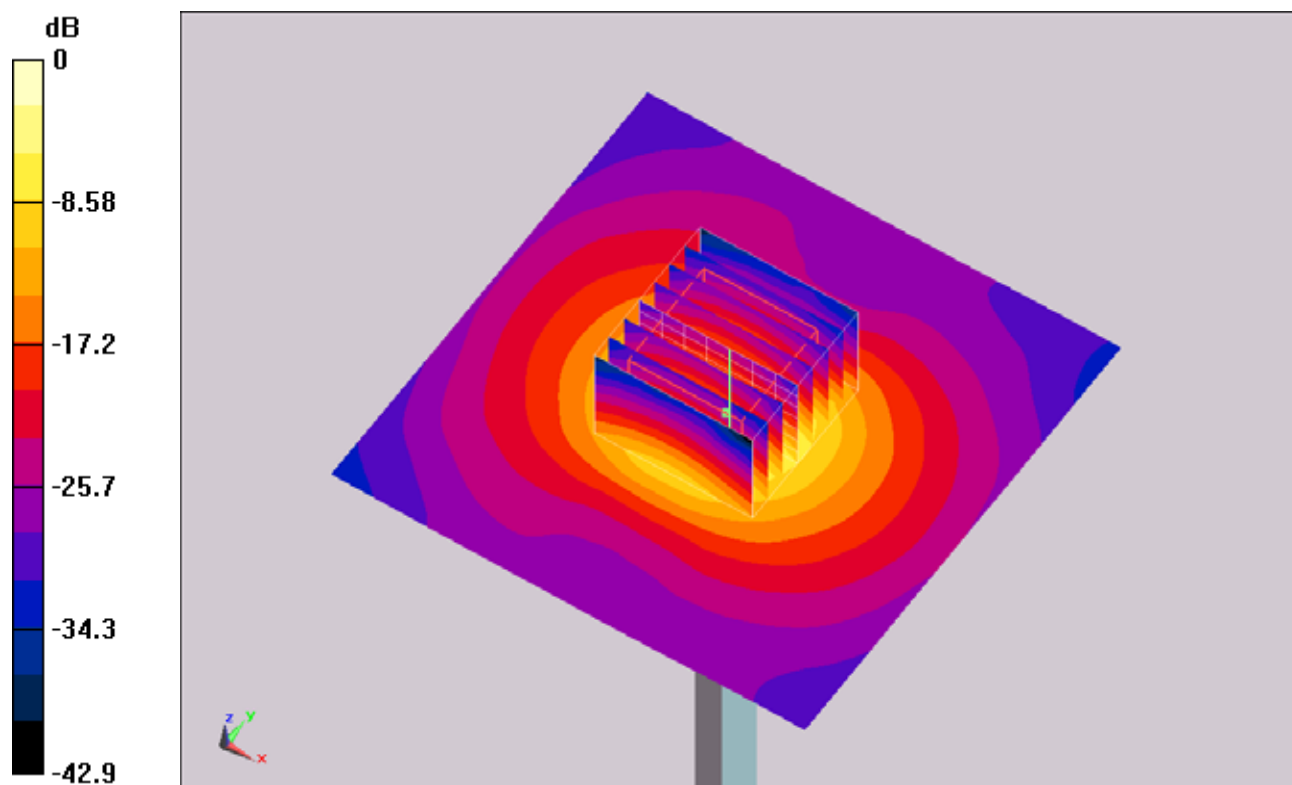
Pin=250mW/Zoom Scan (8x8x8)/Cube 0: Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm

Reference Value = 82.6 V/m; Power Drift = 0.031 dB

Peak SAR (extrapolated) = 57 W/kg

SAR(1 g) = 19.5 mW/g; SAR(10 g) = 5.63 mW/g

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



0 dB = 33.1mW/g

System Check_Body_5800MHz_120112**DUT: Dipole 5GHz**

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

Medium: MSL_5G_120112 Medium parameters used: $f = 5800$ MHz; $\sigma = 6.22$ mho/m; $\epsilon_r = 47.1$; $\rho = 1000$ kg/m³

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

DASY4 Configuration:

- Probe: EX3DV4 - SN3792; ConvF(3.78, 3.78, 3.78); Calibrated: 2011/6/20
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn778; Calibrated: 2011/11/22
- 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) = 36.1 mW/g

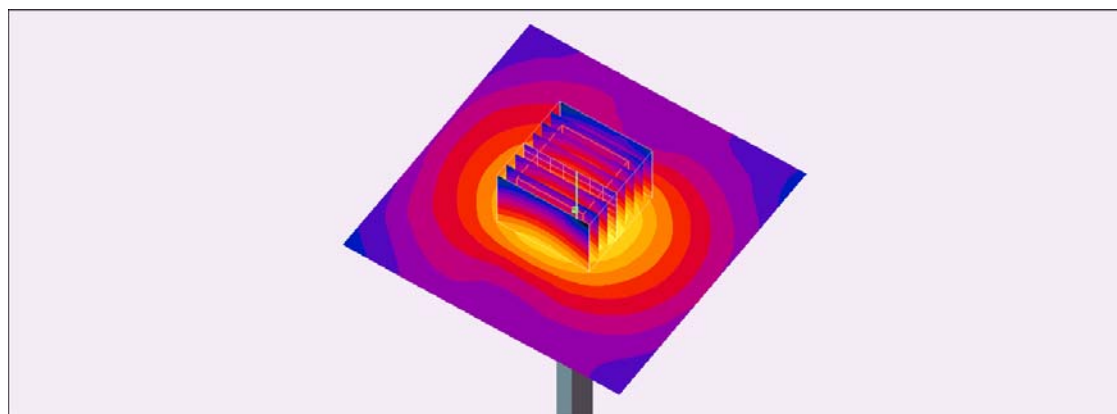
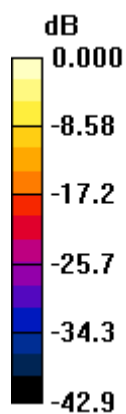
Pin=250mW/Zoom Scan (8x8x8)/Cube 0: Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm

Reference Value = 82.6 V/m; Power Drift = 0.031 dB

Peak SAR (extrapolated) = 57.7 W/kg

SAR(1 g) = 19.7 mW/g; SAR(10 g) = 5.7 mW/g

Maximum value of SAR (measured) = 33.5 mW/g



0 dB = 33.5mW/g

#12 802.11b_Horizontal Up_0.5cm_Ch1_Antenna 2**DUT: 181701**

Communication System: 802.11b; Frequency: 2412 MHz; Duty Cycle: 1:1

Medium: MSL_2450_110901 Medium parameters used: $f = 2412$ MHz; $\sigma = 1.904$ mho/m; $\epsilon_r =$

53.957 ; $\rho = 1000$ kg/m³

Ambient Temperature : 22.6 °C ; Liquid Temperature : 21.6 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3792; ConvF(6.67, 6.67, 6.67); Calibrated: 2011/6/20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn495; Calibrated: 2011/4/28
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP1127
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.5 (3634)

Ch1/Area Scan (51x101x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.362 mW/g

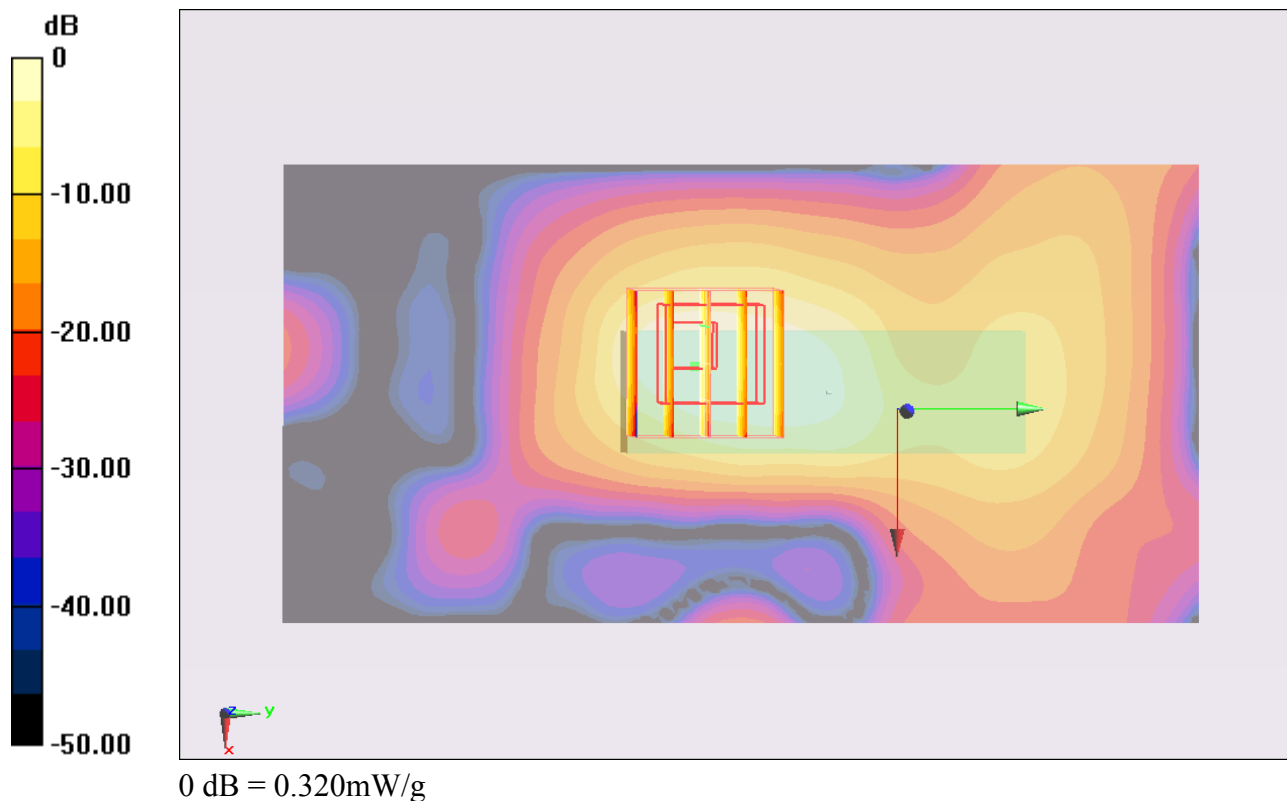
Ch1/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 9.924 V/m; Power Drift = -0.08 dB

Peak SAR (extrapolated) = 0.650 W/kg

SAR(1 g) = 0.304 mW/g; SAR(10 g) = 0.144 mW/g

Maximum value of SAR (measured) = 0.323 mW/g



#12 802.11b_Horizontal Up_0.5cm_Ch1_Antenna 2_2D**DUT: 181701**

Communication System: 802.11b; Frequency: 2412 MHz; Duty Cycle: 1:1

Medium: MSL_2450_110901 Medium parameters used: $f = 2412$ MHz; $\sigma = 1.904$ mho/m; $\epsilon_r =$ 53.957 ; $\rho = 1000$ kg/m³

Ambient Temperature : 22.6 °C ; Liquid Temperature : 21.6 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3792; ConvF(6.67, 6.67, 6.67); Calibrated: 2011/6/20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn495; Calibrated: 2011/4/28
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP1127
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.5 (3634)

Ch1/Area Scan (51x101x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.362 mW/g

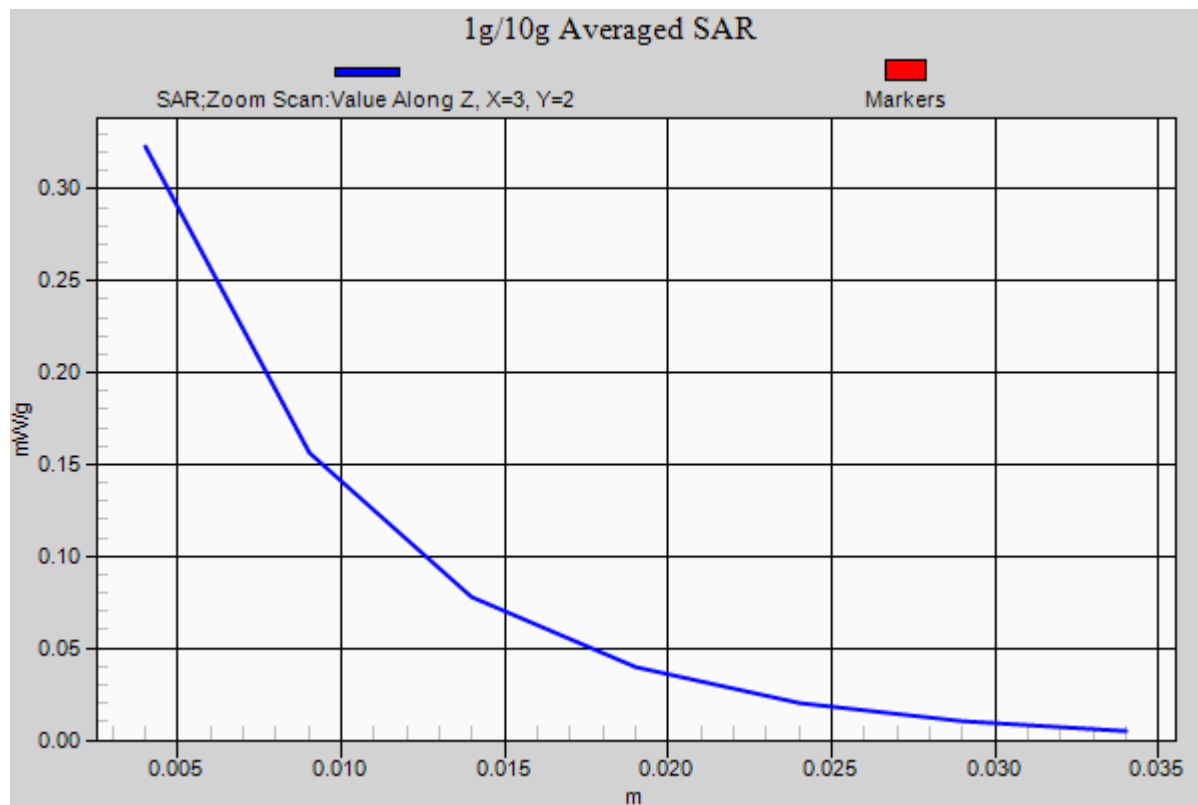
Ch1/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 9.924 V/m; Power Drift = -0.08 dB

Peak SAR (extrapolated) = 0.650 W/kg

SAR(1 g) = 0.304 mW/g; SAR(10 g) = 0.144 mW/g

Maximum value of SAR (measured) = 0.323 mW/g



#46 802.11b_Horizontal Down_0.5cm_Ch1_Antenna 2**DUT: 181701**

Communication System: 802.11b; Frequency: 2412 MHz; Duty Cycle: 1:1

Medium: MSL_2450_110908 Medium parameters used: $f = 2412$ MHz; $\sigma = 1.916$ mho/m; $\epsilon_r = 53.92$; $\rho = 1000$ kg/m³

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3792; ConvF(6.67, 6.67, 6.67); Calibrated: 2011/6/20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn577; Calibrated: 2011/1/13
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP1127
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.5 (3634)

Ch1/Area Scan (51x101x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.184 mW/g

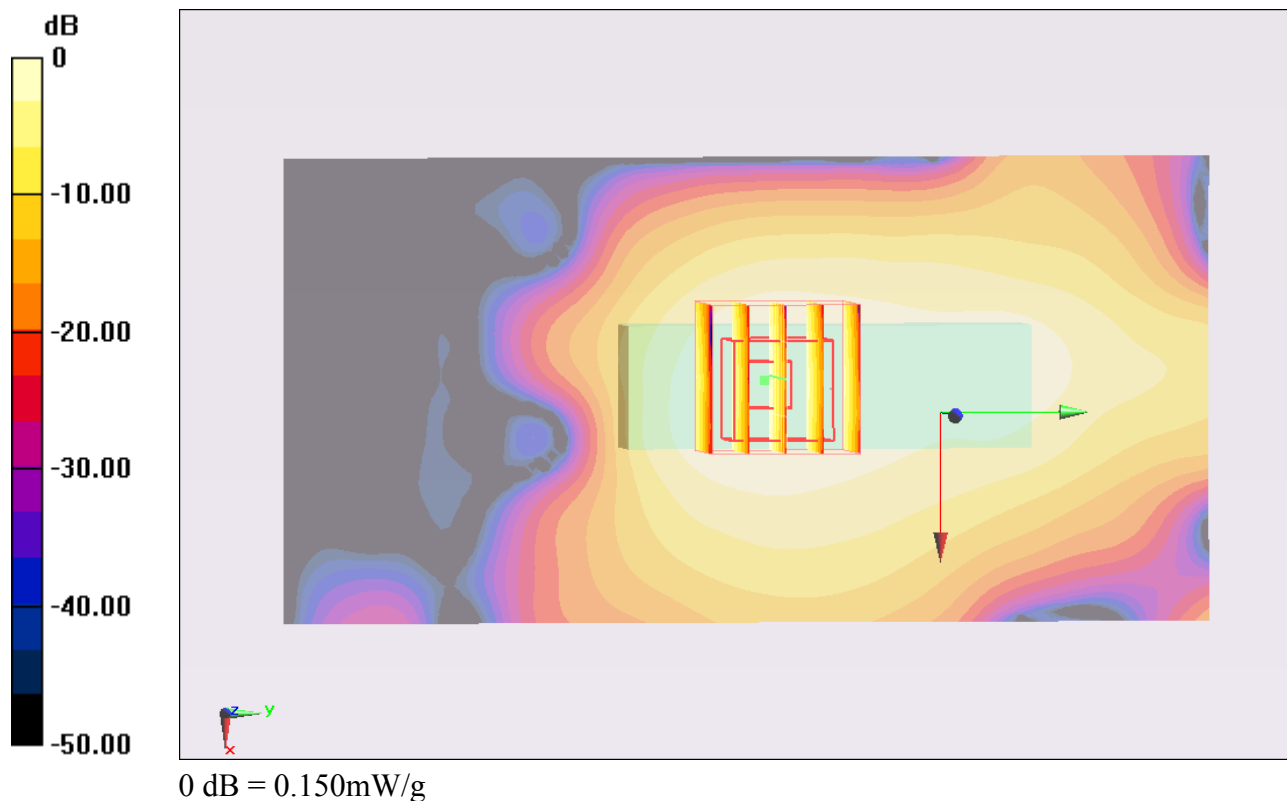
Ch1/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 9.499 V/m; Power Drift = -0.114 dB

Peak SAR (extrapolated) = 0.240 W/kg

SAR(1 g) = 0.134 mW/g; SAR(10 g) = 0.074 mW/g

Maximum value of SAR (measured) = 0.146 mW/g



#16 802.11b_Vertical Back_0.5cm_Ch1_Antenna 2**DUT: 181701**

Communication System: 802.11b; Frequency: 2412 MHz; Duty Cycle: 1:1

Medium: MSL_2450_110901 Medium parameters used: $f = 2412$ MHz; $\sigma = 1.904$ mho/m; $\epsilon_r =$

53.957; $\rho = 1000$ kg/m³

Ambient Temperature : 22.6 °C ; Liquid Temperature : 21.6 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3792; ConvF(6.67, 6.67, 6.67); Calibrated: 2011/6/20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn495; Calibrated: 2011/4/28
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP1127
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.5 (3634)

Ch1/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.120 mW/g

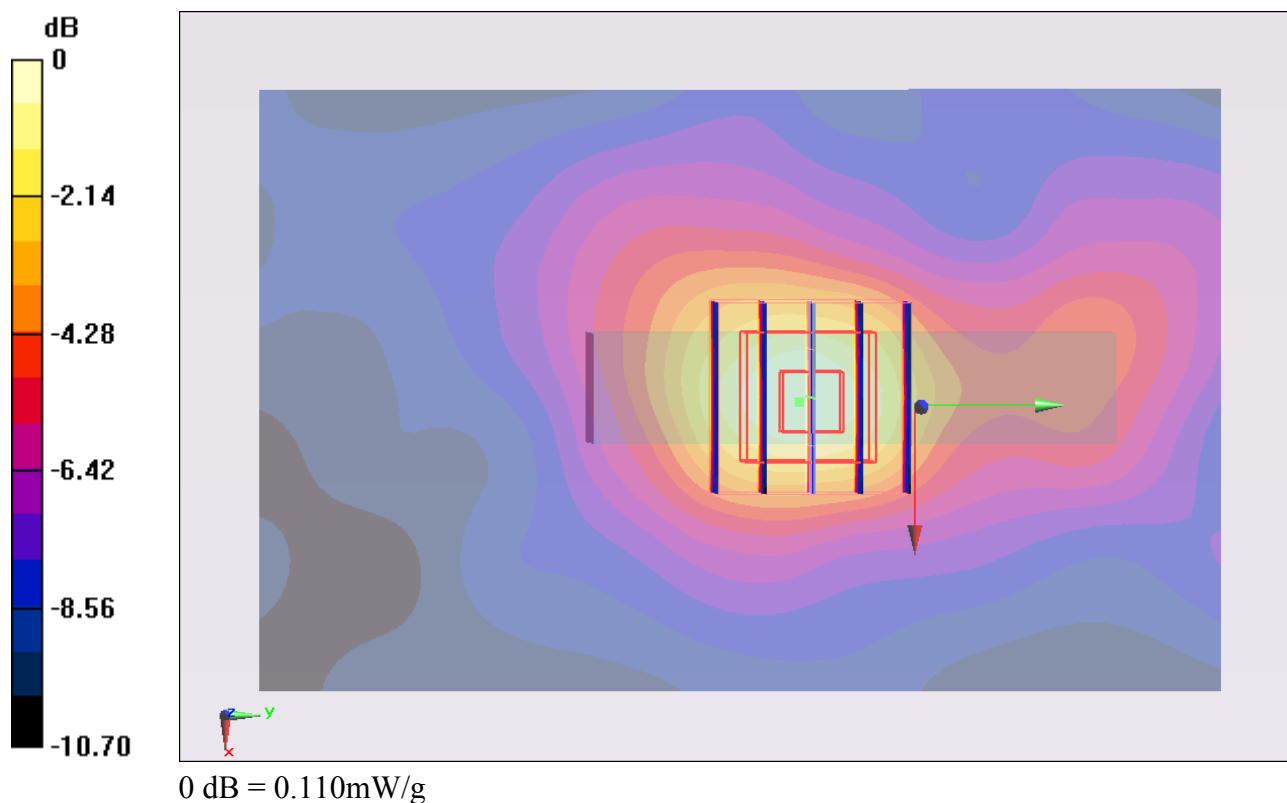
Ch1/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 7.293 V/m; Power Drift = -0.12 dB

Peak SAR (extrapolated) = 0.199 W/kg

SAR(1 g) = 0.098 mW/g; SAR(10 g) = 0.056 mW/g

Maximum value of SAR (measured) = 0.105 mW/g



#18 802.11b_Vertical Front_0.5cm_Ch1_Antenna 2**DUT: 181701**

Communication System: 802.11b; Frequency: 2412 MHz; Duty Cycle: 1:1

Medium: MSL_2450_110901 Medium parameters used: $f = 2412$ MHz; $\sigma = 1.904$ mho/m; $\epsilon_r =$ 53.957 ; $\rho = 1000$ kg/m³

Ambient Temperature : 22.6 °C ; Liquid Temperature : 21.6 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3792; ConvF(6.67, 6.67, 6.67); Calibrated: 2011/6/20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn495; Calibrated: 2011/4/28
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP1127
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.5 (3634)

Ch1/Area Scan (51x71x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.158 mW/g

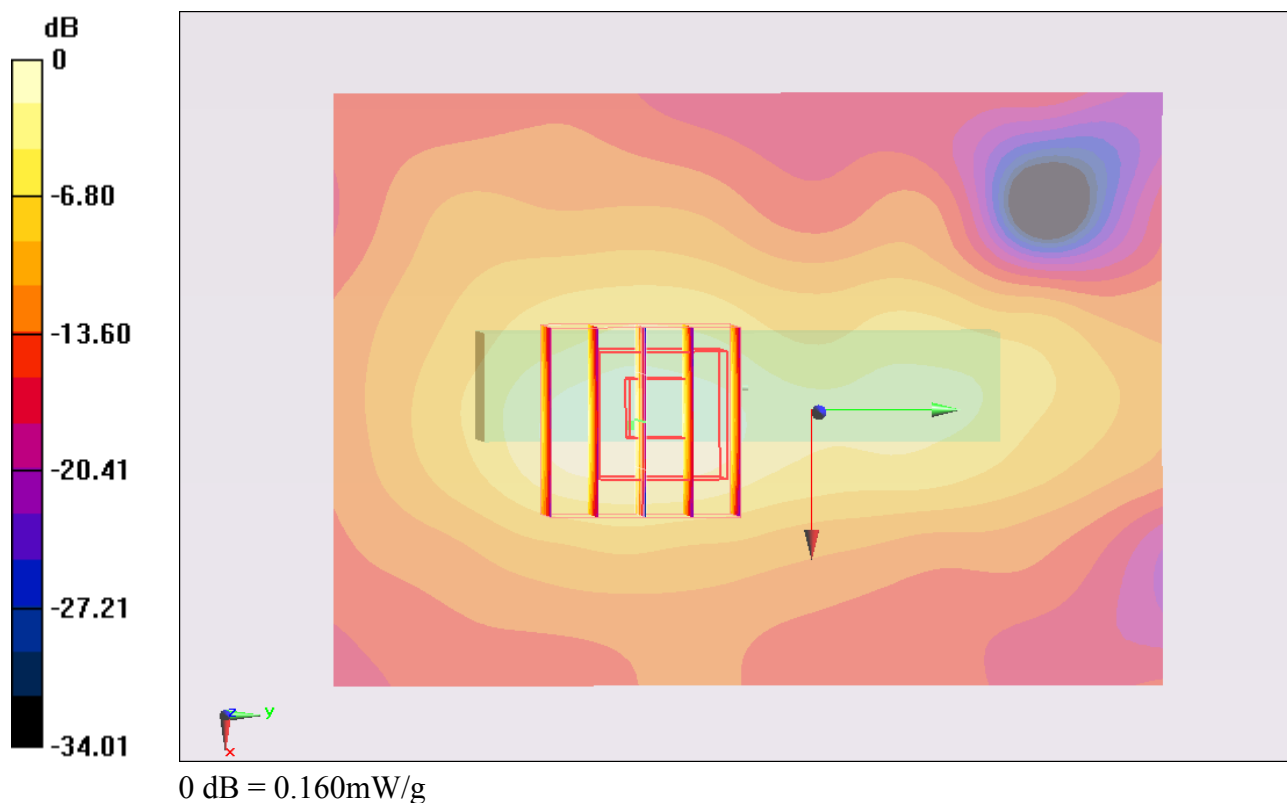
Ch1/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 7.994 V/m; Power Drift = -0.119 dB

Peak SAR (extrapolated) = 0.332 W/kg

SAR(1 g) = 0.148 mW/g; SAR(10 g) = 0.068 mW/g

Maximum value of SAR (measured) = 0.164 mW/g



#20 802.11b_Tip Mode_0.5cm_Ch1_Antenna 2**DUT: 181701**

Communication System: 802.11b; Frequency: 2412 MHz; Duty Cycle: 1:1

Medium: MSL_2450_110901 Medium parameters used: $f = 2412$ MHz; $\sigma = 1.904$ mho/m; $\epsilon_r =$

53.957; $\rho = 1000$ kg/m³

Ambient Temperature : 22.6 °C ; Liquid Temperature : 21.6 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3792; ConvF(6.67, 6.67, 6.67); Calibrated: 2011/6/20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn495; Calibrated: 2011/4/28
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP1127
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.5 (3634)

Ch1/Area Scan (51x51x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.120 mW/g

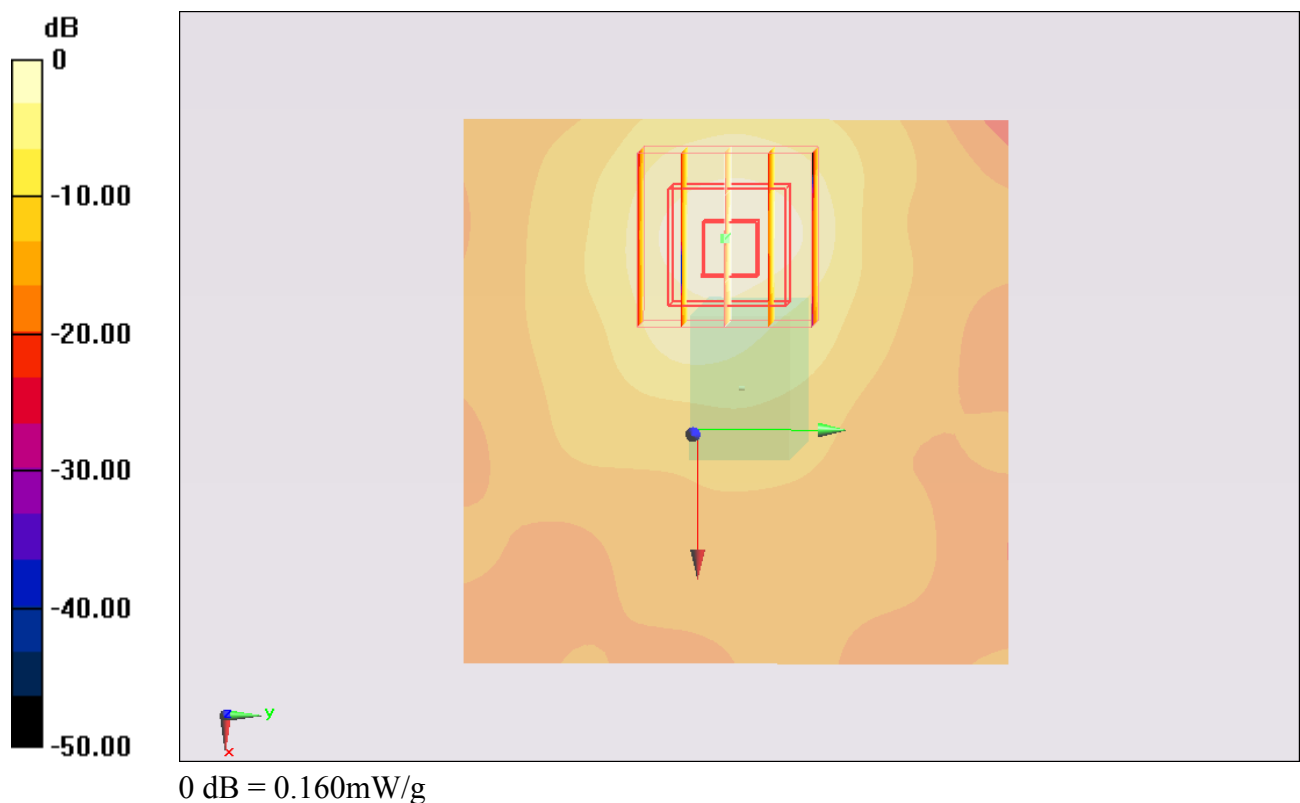
Ch1/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 3.455 V/m; Power Drift = -0.175 dB

Peak SAR (extrapolated) = 0.325 W/kg

SAR(1 g) = 0.144 mW/g; SAR(10 g) = 0.062 mW/g

Maximum value of SAR (measured) = 0.163 mW/g



#15 802.11b_Horizontal Up_0.5cm_Ch1_Flip 180_Antenna 2**DUT: 181701**

Communication System: 802.11b; Frequency: 2412 MHz; Duty Cycle: 1:1

Medium: MSL_2450_110901 Medium parameters used: $f = 2412$ MHz; $\sigma = 1.904$ mho/m; $\epsilon_r =$ 53.957; $\rho = 1000$ kg/m³

Ambient Temperature : 22.6 °C ; Liquid Temperature : 21.6 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3792; ConvF(6.67, 6.67, 6.67); Calibrated: 2011/6/20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn495; Calibrated: 2011/4/28
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP1127
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.5 (3634)

Ch1/Area Scan (51x101x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.378 mW/g

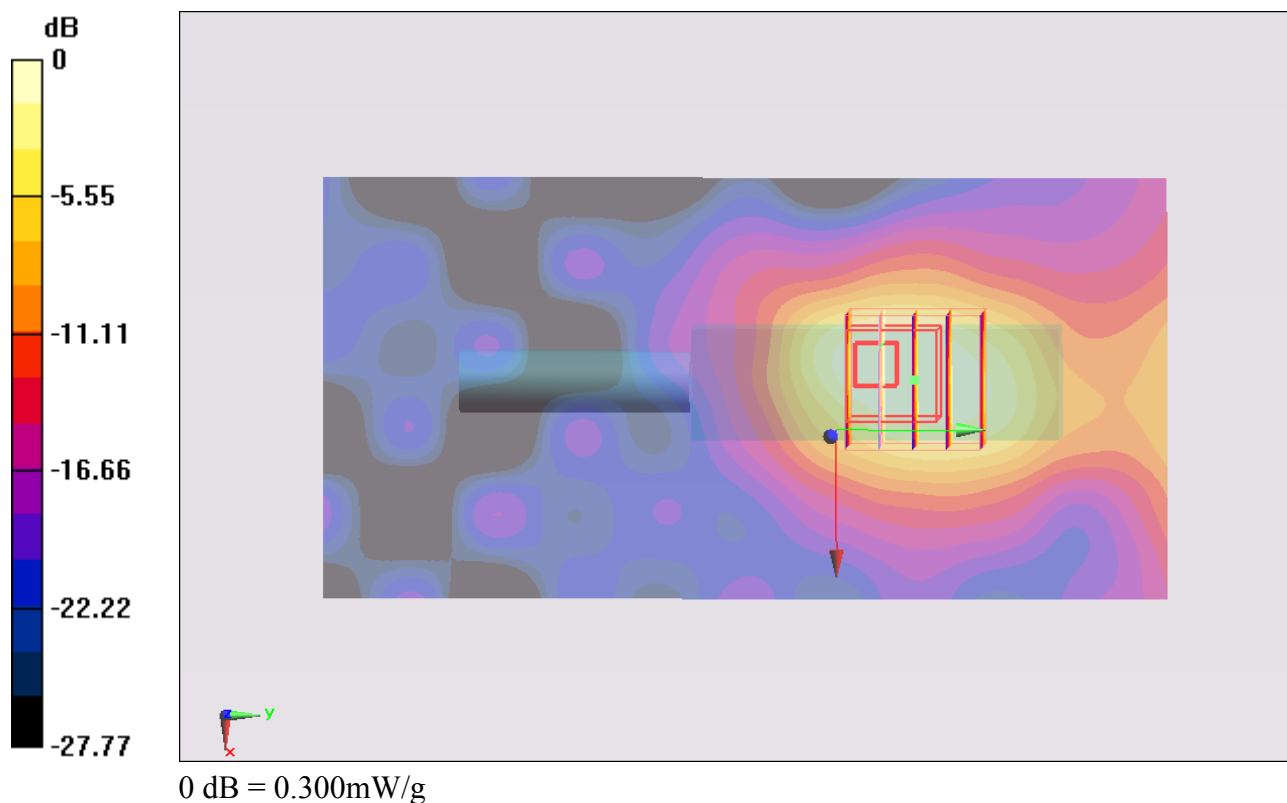
Ch1/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 12.461 V/m; Power Drift = -0.133 dB

Peak SAR (extrapolated) = 0.601 W/kg

SAR(1 g) = 0.288 mW/g; SAR(10 g) = 0.142 mW/g

Maximum value of SAR (measured) = 0.298 mW/g



#79 802.11b_Horizontal Down_0.5cm_Ch1_Flip 180_Antenna 2

DUT: 181701

Communication System: 802.11b ; Frequency: 2412 MHz;Duty Cycle: 1:1

Medium: MSL_2450_120102 Medium parameters used: $f = 2412$ MHz; $\sigma = 1.92$ mho/m; $\epsilon_r = 54.3$; $\rho = 1000$ kg/m³

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

DASY5 Configuration:

- Probe: ES3DV3 - SN3270; ConvF(4.28, 4.28, 4.28); Calibrated: 2011/9/12
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1279; Calibrated: 2011/6/17
- Phantom: ELI 4.0; Type: QDOVA001BA; Serial: 1029
- Software: DASY5 Version; SEMCAD X Version 13.4 Build 125

Ch1/Area Scan (51x101x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.183 mW/g

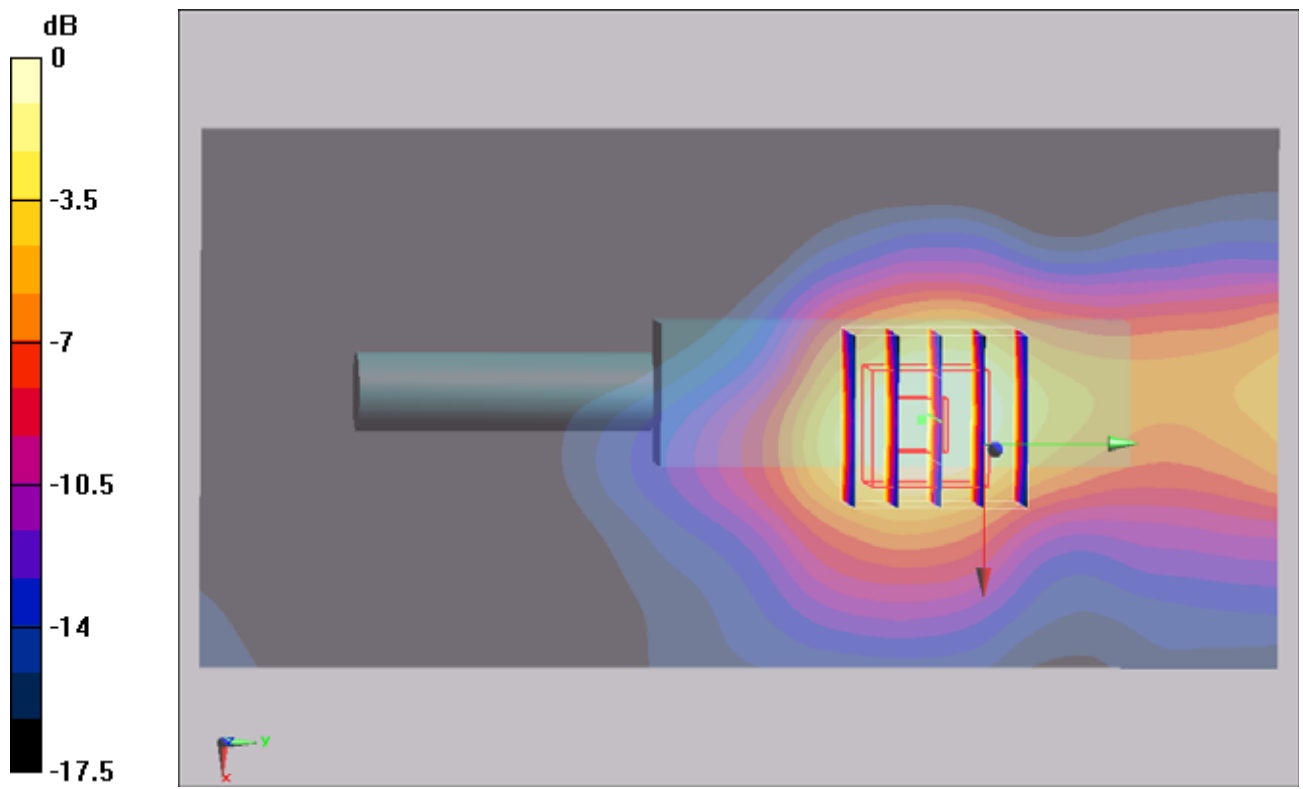
Ch1/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 9.9 V/m; Power Drift = -0.17 dB

Peak SAR (extrapolated) = 0.278 W/kg

SAR(1 g) = 0.138 mW/g; SAR(10 g) = 0.071 mW/g

Maximum value of SAR (measured) = 0.146 mW/g



0 dB = 0.146mW/g

#47 802.11b_Vertical Back_0.5cm_Ch1_Flip 180_Antenna 2**DUT: 181701**

Communication System: 802.11b; Frequency: 2412 MHz; Duty Cycle: 1:1

Medium: MSL_2450_110908 Medium parameters used: $f = 2412$ MHz; $\sigma = 1.916$ mho/m; $\epsilon_r = 53.92$; $\rho = 1000$ kg/m³

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3792; ConvF(6.67, 6.67, 6.67); Calibrated: 2011/6/20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn577; Calibrated: 2011/1/13
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP1127
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.5 (3634)

Ch1/Area Scan (51x101x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.089 mW/g

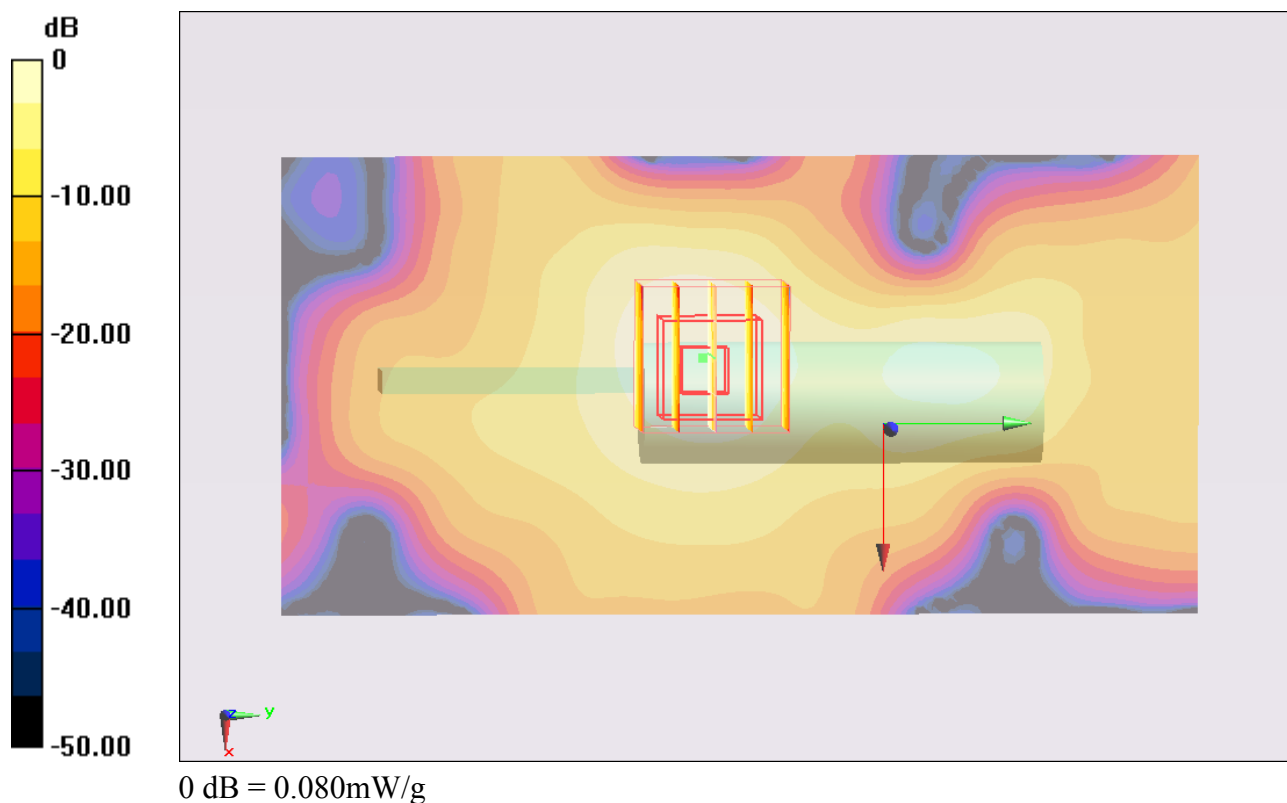
Ch1/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 4.471 V/m; Power Drift = -0.123 dB

Peak SAR (extrapolated) = 0.166 W/kg

SAR(1 g) = 0.081 mW/g; SAR(10 g) = 0.040 mW/g

Maximum value of SAR (measured) = 0.084 mW/g



#19 802.11b_Vertical Front_0.5cm_Ch1_Flip 180_Antenna 2**DUT: 181701**

Communication System: 802.11b; Frequency: 2412 MHz; Duty Cycle: 1:1

Medium: MSL_2450_110901 Medium parameters used: $f = 2412$ MHz; $\sigma = 1.904$ mho/m; $\epsilon_r =$ 53.957; $\rho = 1000$ kg/m³

Ambient Temperature : 22.6 °C ; Liquid Temperature : 21.6 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3792; ConvF(6.67, 6.67, 6.67); Calibrated: 2011/6/20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn495; Calibrated: 2011/4/28
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP1127
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.5 (3634)

Ch1/Area Scan (51x101x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.204 mW/g

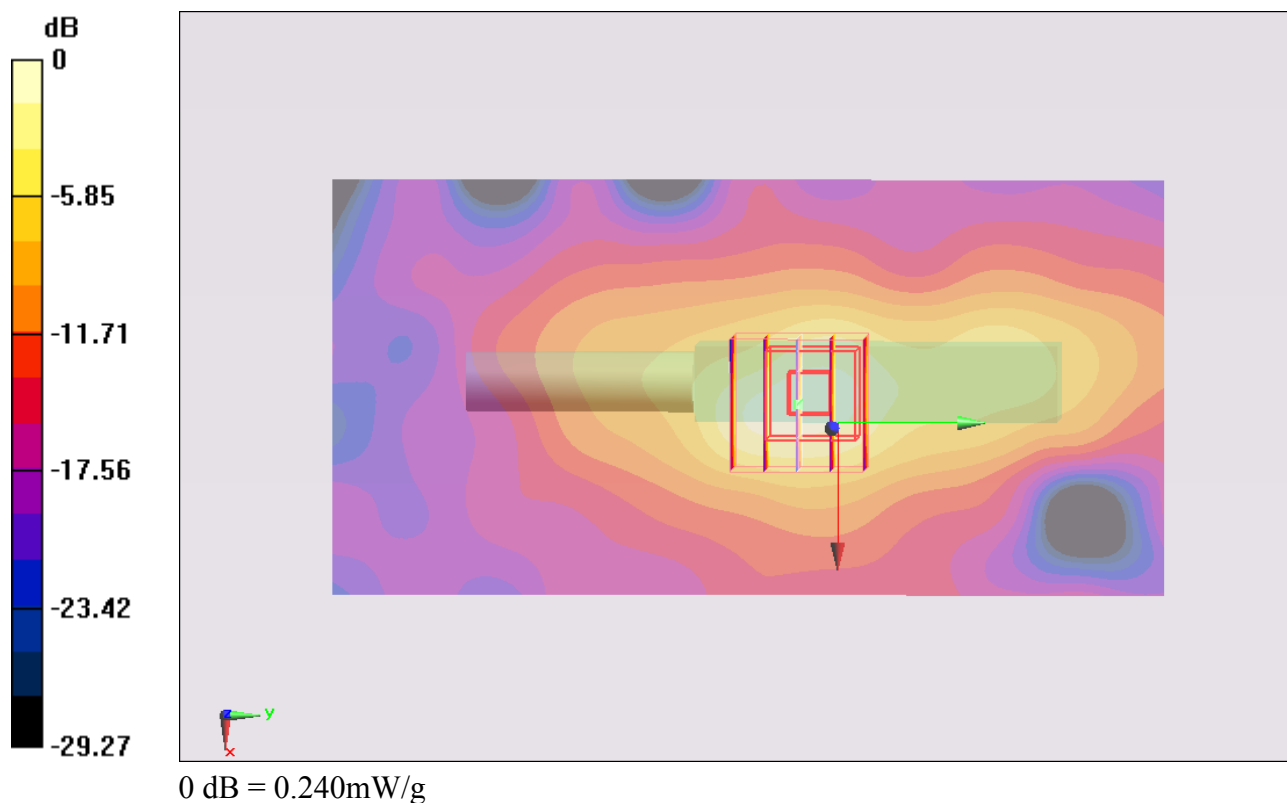
Ch1/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 10.544 V/m; Power Drift = -0.153 dB

Peak SAR (extrapolated) = 0.462 W/kg

SAR(1 g) = 0.210 mW/g; SAR(10 g) = 0.097 mW/g

Maximum value of SAR (measured) = 0.236 mW/g



#01 802.11a_Horizontal Up_0.5cm_Ch44_Antenna 3**DUT: 181701**

Communication System: 802.11a; Frequency: 5220 MHz; Duty Cycle: 1:1

Medium: MSL_5G_110901 Medium parameters used : $f = 5220$ MHz; $\sigma = 5.36$ mho/m; $\epsilon_r = 48.612$; $\rho = 1000$ kg/m³

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3578; ConvF(3.74, 3.74, 3.74); Calibrated: 2011/6/21
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn577; Calibrated: 2011/1/13
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP1127
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.5 (3634)

Ch44/Area Scan (101x201x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.016 mW/g

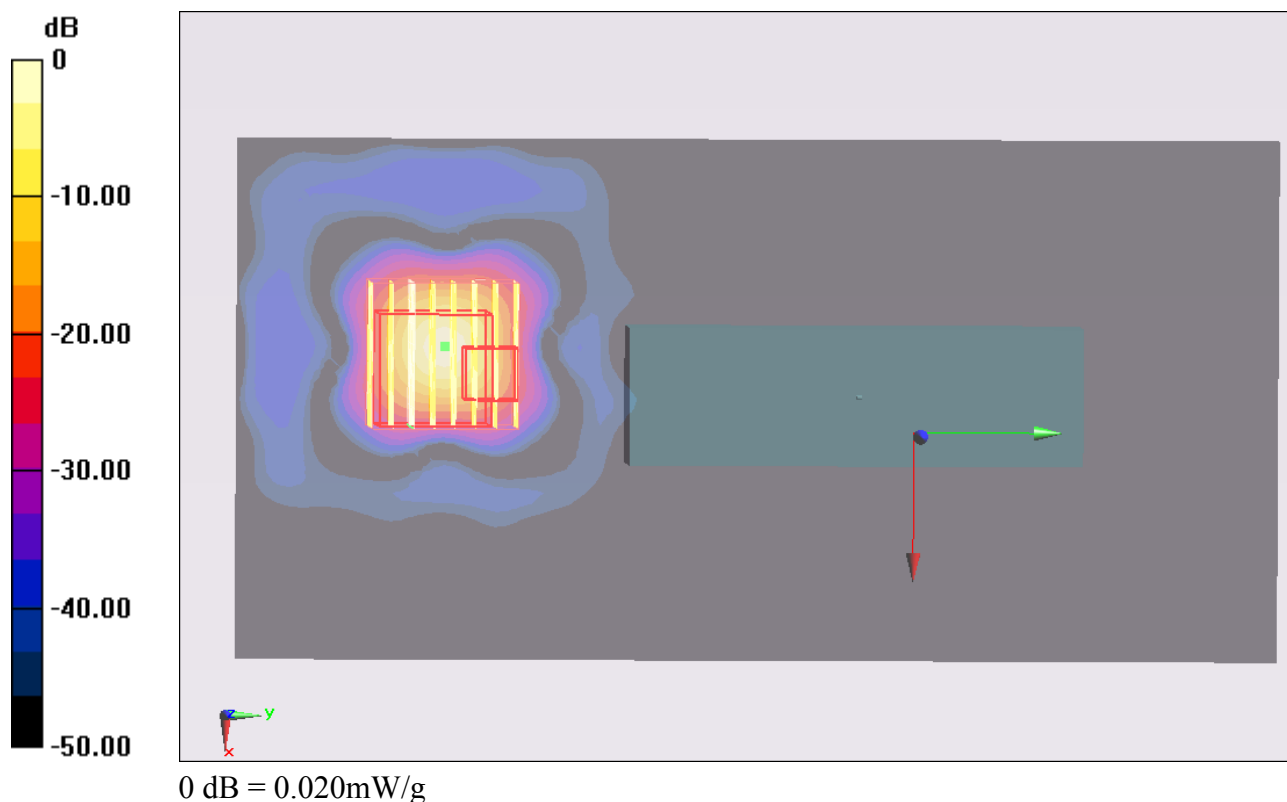
Ch44/Zoom Scan (8x8x10)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 0 V/m; Power Drift = 0.0011 dB

Peak SAR (extrapolated) = 0.040 W/kg

SAR(1 g) = 0.012 mW/g; SAR(10 g) = 0.00925 mW/g

Maximum value of SAR (measured) = 0.023 mW/g



#49 802.11a_Horizontal Down_0.5cm_Ch44_Antenna 3**DUT: 181701**

Communication System: 802.11a; Frequency: 5220 MHz; Duty Cycle: 1:1

Medium: MSL_5G_110908 Medium parameters used : $f = 5220$ MHz; $\sigma = 5.319$ mho/m; $\epsilon_r = 48.728$; $\rho = 1000$ kg/m³

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3792; ConvF(4.22, 4.22, 4.22); Calibrated: 2011/6/20
- Sensor-Surface: 4mm (Mechanical Surface Detection), Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn577; Calibrated: 2011/1/13
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP1127
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.5 (3634)

Ch44/Area Scan (81x121x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.241 mW/g

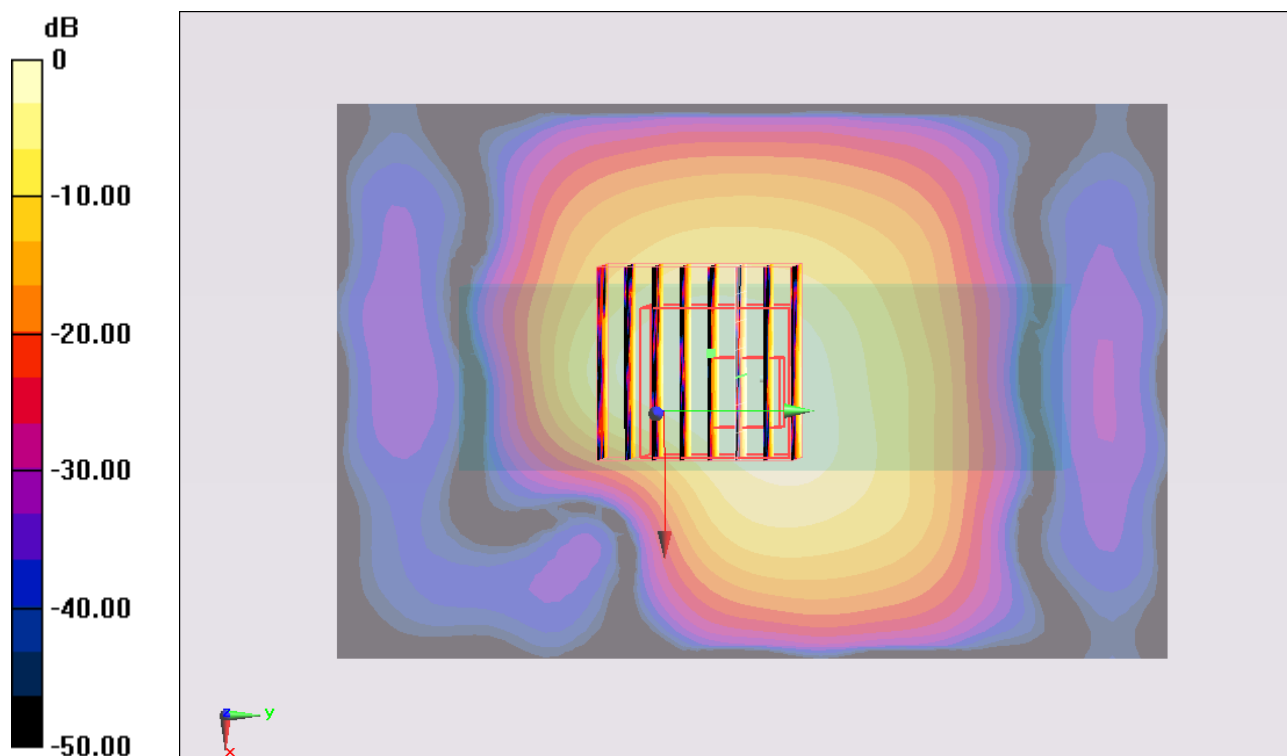
Ch44/Zoom Scan (8x8x10)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 8.628 V/m; Power Drift = -0.149 dB

Peak SAR (extrapolated) = 0.422 W/kg

SAR(1 g) = 0.128 mW/g; SAR(10 g) = 0.046 mW/g

Maximum value of SAR (measured) = 0.229 mW/g



#04 802.11a_Veritical Back_0.5cm_Ch44_Antenna 3**DUT: 181701**

Communication System: 802.11a; Frequency: 5220 MHz; Duty Cycle: 1:1

Medium: MSL_5G_110901 Medium parameters used : $f = 5220$ MHz; $\sigma = 5.36$ mho/m; $\epsilon_r = 48.612$;

$\rho = 1000$ kg/m³

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3578; ConvF(3.74, 3.74, 3.74); Calibrated: 2011/6/21
- Sensor-Surface: 4mm (Mechanical Surface Detection), Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn577; Calibrated: 2011/1/13
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP1127
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.5 (3634)

Ch44/Area Scan (101x201x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.156 mW/g

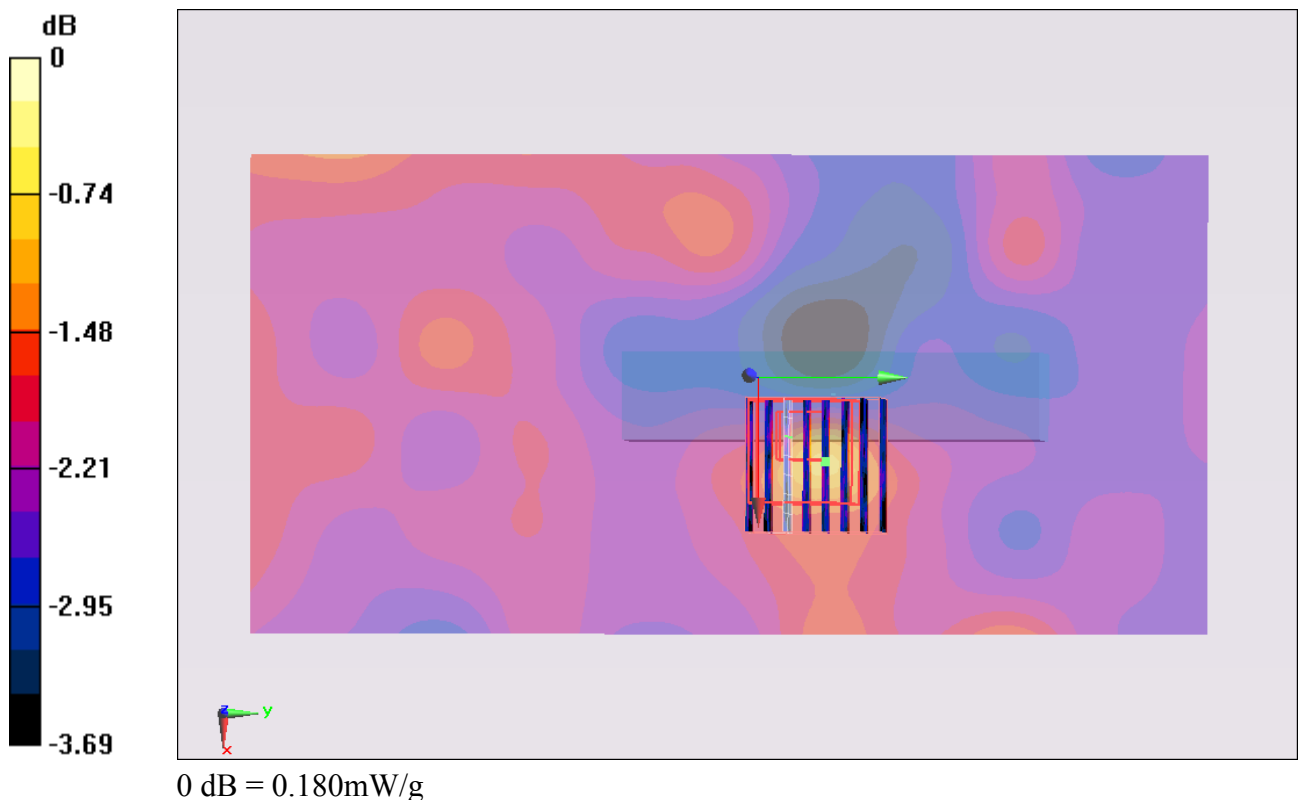
Ch44/Zoom Scan (8x8x10)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 4.917 V/m; Power Drift = -0.032 dB

Peak SAR (extrapolated) = 0.286 W/kg

SAR(1 g) = 0.134 mW/g; SAR(10 g) = 0.102 mW/g

Maximum value of SAR (measured) = 0.181 mW/g



#51 802.11a_Vertical Front_0.5cm_Ch44_Antenna 3**DUT: 181701**

Communication System: 802.11a; Frequency: 5220 MHz; Duty Cycle: 1:1

Medium: MSL_5G_110908 Medium parameters used : $f = 5220$ MHz; $\sigma = 5.319$ mho/m; $\epsilon_r = 48.728$; $\rho = 1000$ kg/m³

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3792; ConvF(4.22, 4.22, 4.22); Calibrated: 2011/6/20
- Sensor-Surface: 4mm (Mechanical Surface Detection), Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn577; Calibrated: 2011/1/13
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP1127
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.5 (3634)

Ch44/Area Scan (81x121x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.034 mW/g

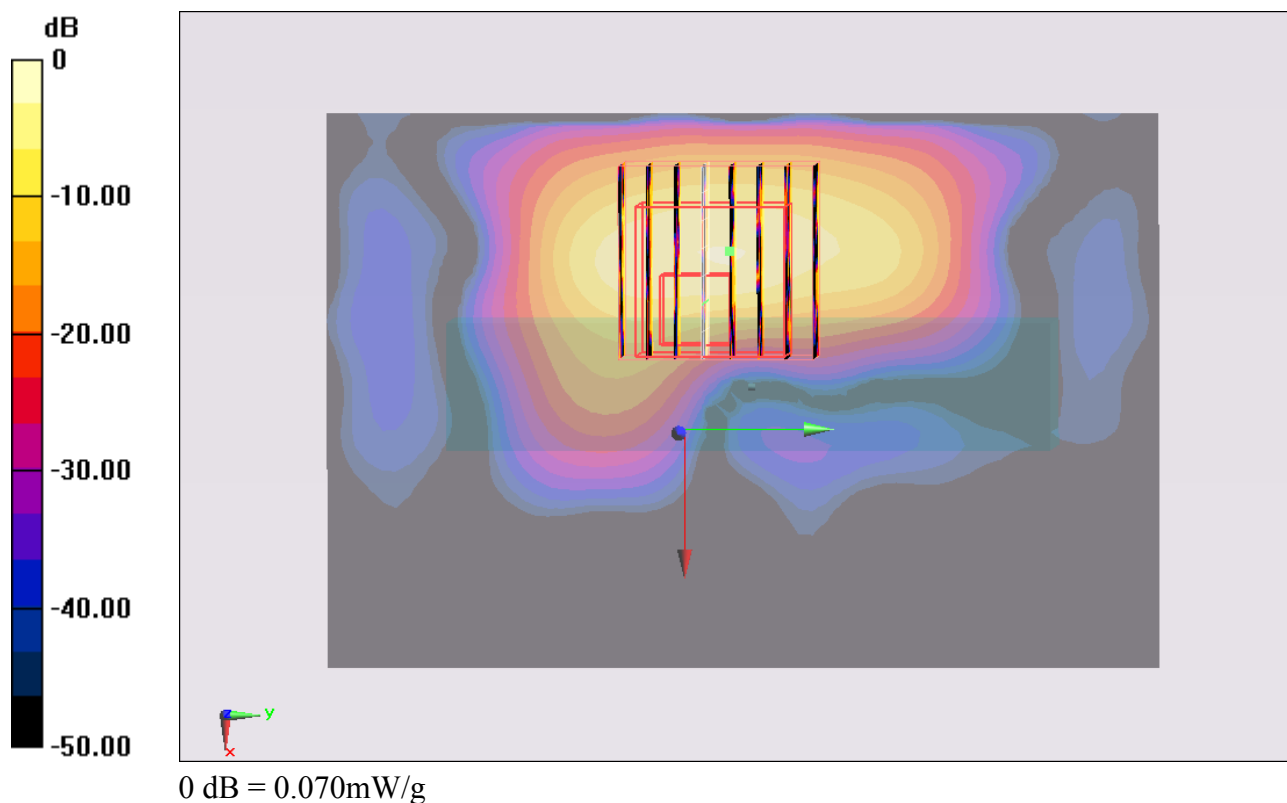
Ch44/Zoom Scan (8x8x10)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 0.498 V/m; Power Drift = 0.165 dB

Peak SAR (extrapolated) = 0.205 W/kg

SAR(1 g) = 0.033 mW/g; SAR(10 g) = 0.011 mW/g

Maximum value of SAR (measured) = 0.071 mW/g



#07 802.11a_Tip Mode_0.5cm_Ch44_Antenna 3**DUT: 181701**

Communication System: 802.11a; Frequency: 5220 MHz; Duty Cycle: 1:1

Medium: MSL_5G_110901 Medium parameters used : $f = 5220$ MHz; $\sigma = 5.36$ mho/m; $\epsilon_r = 48.612$; $\rho = 1000$ kg/m³

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3578; ConvF(3.74, 3.74, 3.74); Calibrated: 2011/6/21
- Sensor-Surface: 4mm (Mechanical Surface Detection), Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn577; Calibrated: 2011/1/13
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP1127
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.5 (3634)

Ch44/Area Scan (101x101x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.057 mW/g

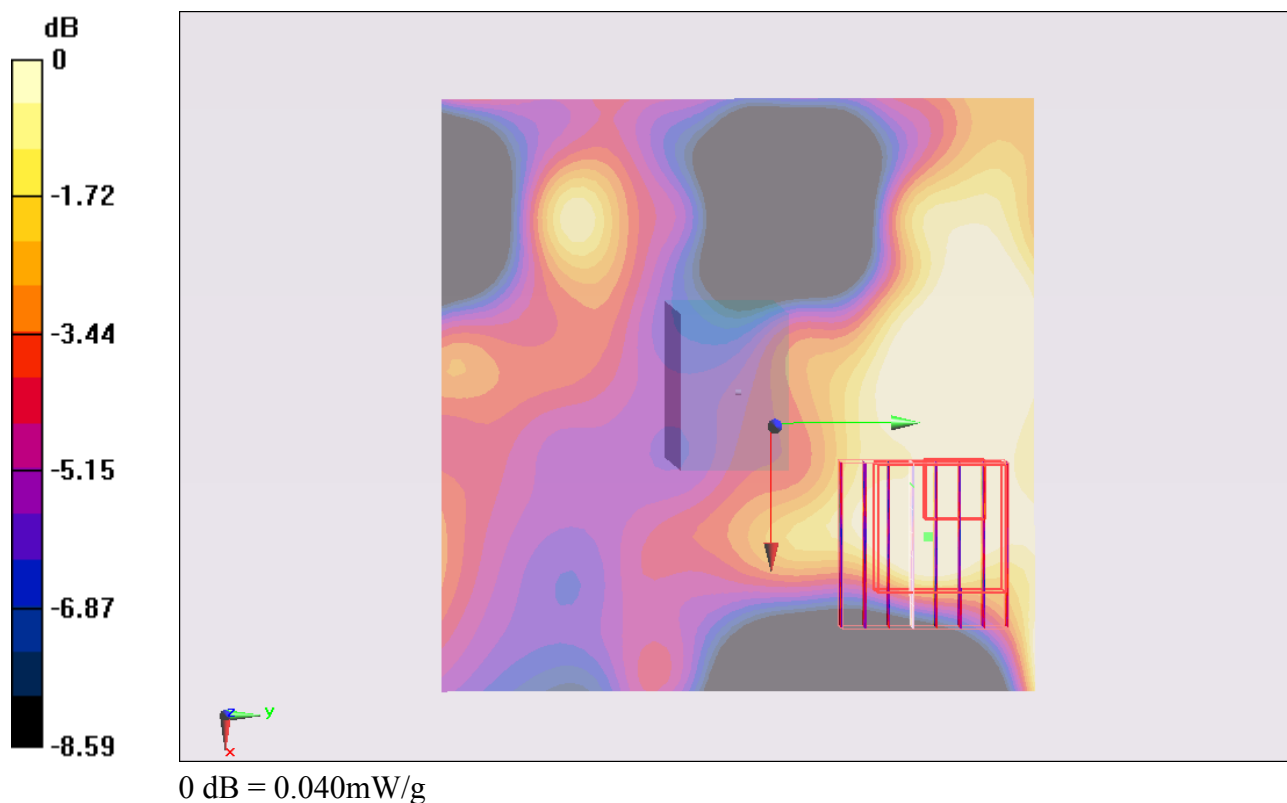
Ch44/Zoom Scan (8x8x10)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 1.708 V/m; Power Drift = -0.186 dB

Peak SAR (extrapolated) = 0.147 W/kg

SAR(1 g) = 0.023 mW/g; SAR(10 g) = 0.016 mW/g

Maximum value of SAR (measured) = 0.036 mW/g



#56 802.11a_Horizontal UP_0.5cm_Ch44_Flip 180_Antenna 3

DUT: 181701

Communication System: 802.11a; Frequency: 5220 MHz; Duty Cycle: 1:1

Medium: MSL_5G_111222 Medium parameters used: $f = 5220 \text{ MHz}$; $\sigma = 5.3 \text{ mho/m}$; $\epsilon_r = 47.5$; $\rho = 1000 \text{ kg/m}^3$

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3792; ConvF(4.22, 4.22, 4.22); Calibrated: 2011/6/20
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn778; Calibrated: 2011/11/22
- Phantom: ELI 4.0_Front; Type: QD 0VA 002 AA; Serial: TP-1131
- ; SEMCAD X Version 13.4 Build 125

Ch44/Area Scan (101x201x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.153 mW/g

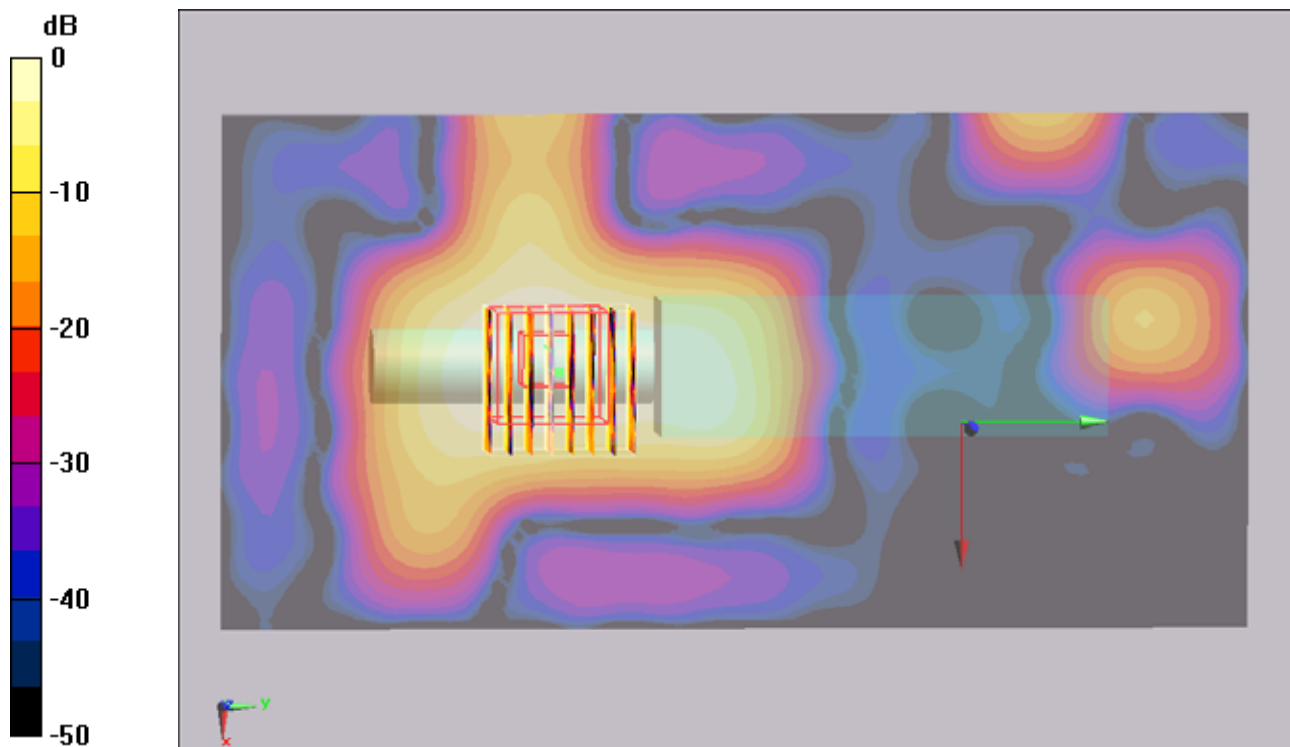
Ch44/Zoom Scan (8x8x10)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 1.01 V/m; Power Drift = 0.164 dB

Peak SAR (extrapolated) = 0.128 W/kg

SAR(1 g) = 0.040 mW/g; SAR(10 g) = 0.015 mW/g

Maximum value of SAR (measured) = 0.078 mW/g



#10 802.11a_Horizontal Down_0.5cm_Ch44_Flip 180_Antenna 3**DUT: 181701**

Communication System: 802.11a; Frequency: 5220 MHz; Duty Cycle: 1:1

Medium: MSL_5G_110901 Medium parameters used : $f = 5220$ MHz; $\sigma = 5.36$ mho/m; $\epsilon_r = 48.612$; $\rho = 1000$ kg/m³

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3578; ConvF(3.74, 3.74, 3.74); Calibrated: 2011/6/21
- Sensor-Surface: 4mm (Mechanical Surface Detection), Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn577; Calibrated: 2011/1/13
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP1127
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.5 (3634)

Ch44/Area Scan (51x101x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.893 mW/g

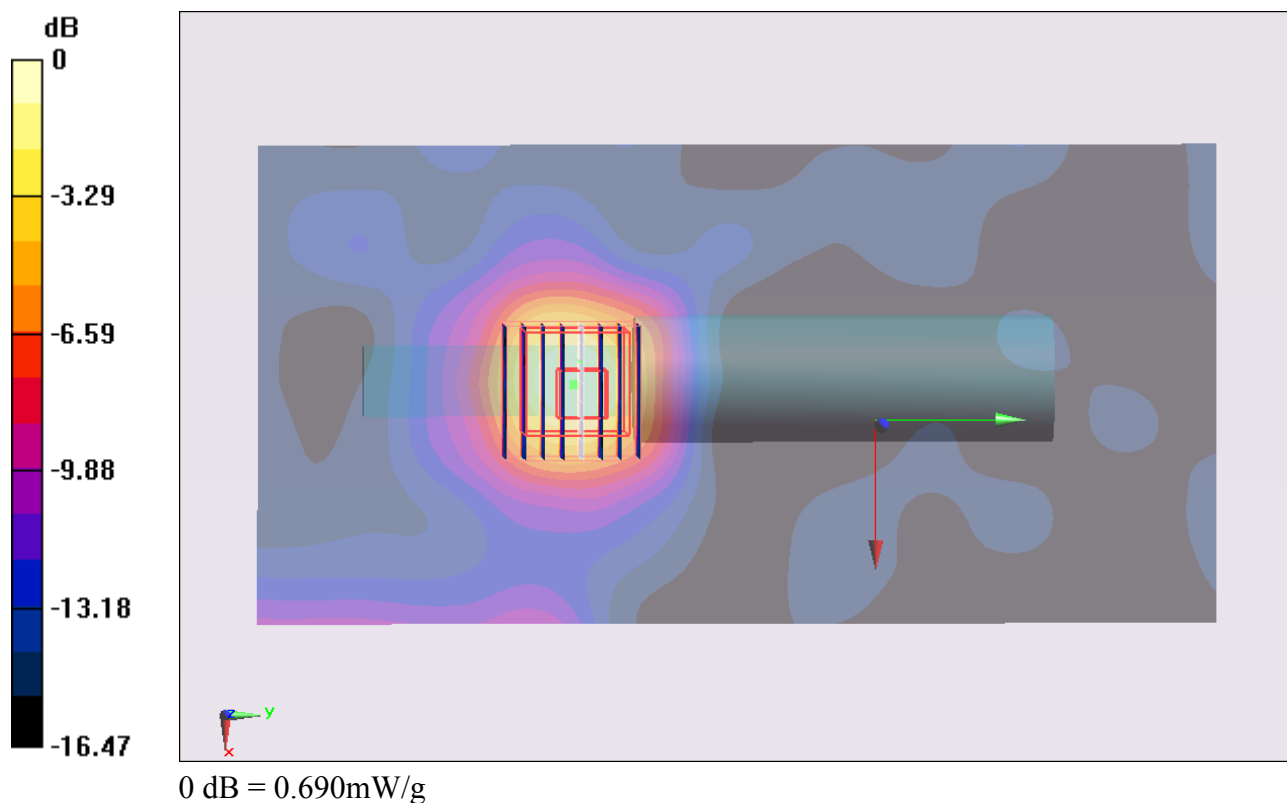
Ch44/Zoom Scan (8x8x10)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 3.377 V/m; Power Drift = -0.157 dB

Peak SAR (extrapolated) = 1.320 W/kg

SAR(1 g) = 0.386 mW/g; SAR(10 g) = 0.178 mW/g

Maximum value of SAR (measured) = 0.687 mW/g



#10 802.11a_Horizontal Down_0.5cm_Ch44_Flip 180_2D_Antenna 3**DUT: 181701**

Communication System: 802.11a; Frequency: 5220 MHz; Duty Cycle: 1:1

Medium: MSL_5G_110901 Medium parameters used : $f = 5220$ MHz; $\sigma = 5.36$ mho/m; $\epsilon_r = 48.612$; $\rho = 1000$ kg/m³

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3578; ConvF(3.74, 3.74, 3.74); Calibrated: 2011/6/21
- Sensor-Surface: 4mm (Mechanical Surface Detection), Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn577; Calibrated: 2011/1/13
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP1127
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.5 (3634)

Ch44/Area Scan (101x201x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.893 mW/g

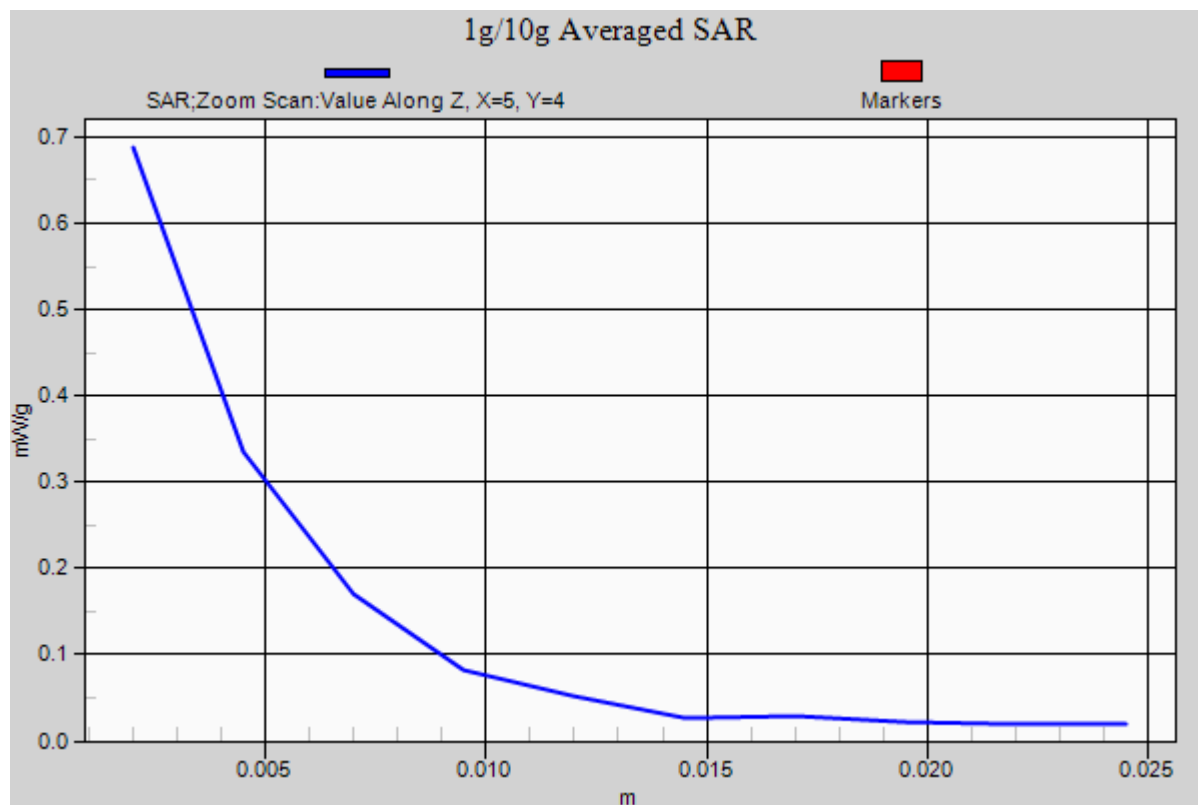
Ch44/Zoom Scan (8x8x10)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 3.377 V/m; Power Drift = -0.157 dB

Peak SAR (extrapolated) = 1.320 W/kg

SAR(1 g) = 0.386 mW/g; SAR(10 g) = 0.178 mW/g

Maximum value of SAR (measured) = 0.687 mW/g



#59 802.11a_Vertical Back_0.5cm_Ch44_Flip 180 _Antenna 3

DUT: 181701

Communication System: 802.11a; Frequency: 5220 MHz; Duty Cycle: 1:1

Medium: MSL_5G_111222 Medium parameters used: $f = 5220 \text{ MHz}$; $\sigma = 5.3 \text{ mho/m}$; $\epsilon_r = 47.5$; $\rho = 1000 \text{ kg/m}^3$

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3792; ConvF(4.22, 4.22, 4.22); Calibrated: 2011/6/20
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn778; Calibrated: 2011/11/22
- Phantom: ELI 4.0_Front; Type: QD 0VA 002 AA; Serial: TP-1131
- ; SEMCAD X Version 13.4 Build 125

Ch44/Area Scan (101x201x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.233 mW/g

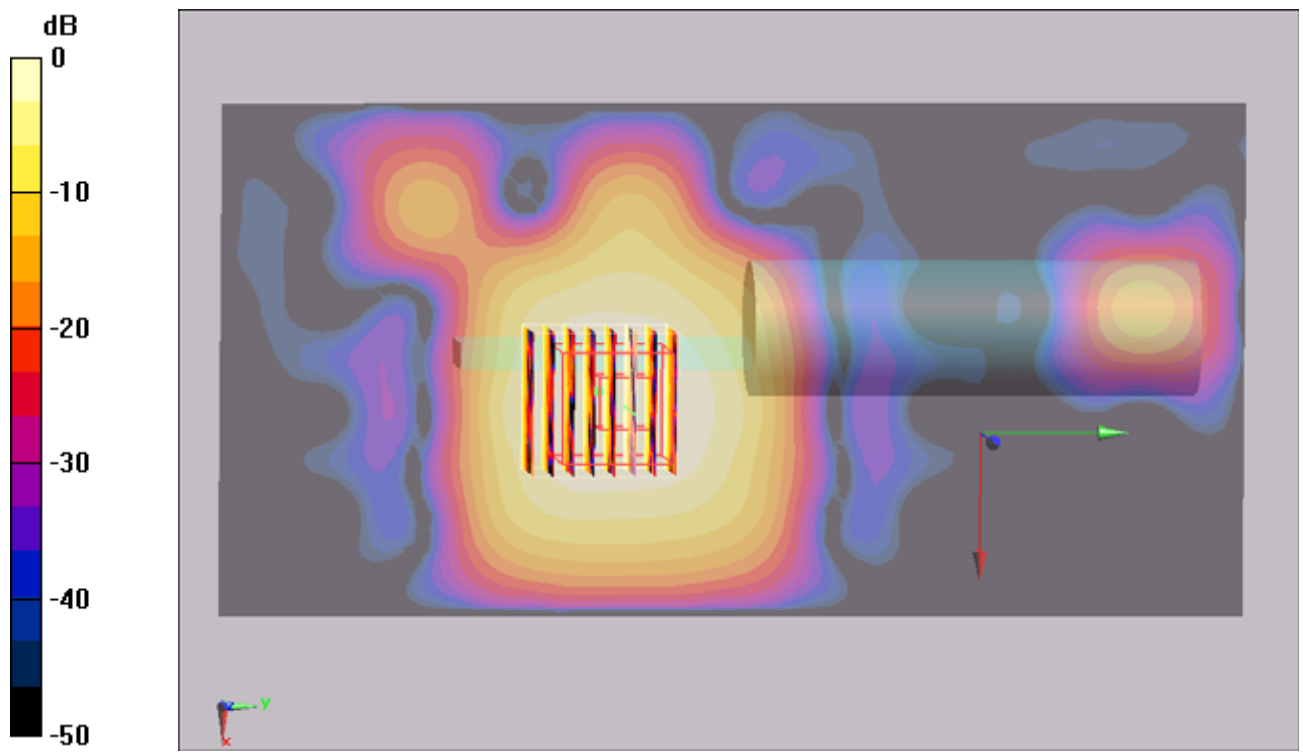
Ch44/Zoom Scan (8x8x10)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 1.6 V/m; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 0.305 W/kg

SAR(1 g) = 0.086 mW/g; SAR(10 g) = 0.032 mW/g

Maximum value of SAR (measured) = 0.159 mW/g



0 dB = 0.159mW/g

#58 802.11a_Vertical Front_0.5cm_Ch44_Flip 180 _Antenna 3

DUT: 181701

Communication System: 802.11a; Frequency: 5220 MHz; Duty Cycle: 1:1

Medium: MSL_5G_111222 Medium parameters used: $f = 5220 \text{ MHz}$; $\sigma = 5.3 \text{ mho/m}$; $\epsilon_r = 47.5$; $\rho = 1000 \text{ kg/m}^3$

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3792; ConvF(4.22, 4.22, 4.22); Calibrated: 2011/6/20
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn778; Calibrated: 2011/11/22
- Phantom: ELI 4.0_Front; Type: QD 0VA 002 AA; Serial: TP-1131
- ; SEMCAD X Version 13.4 Build 125

Ch44/Area Scan (101x201x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.204 mW/g

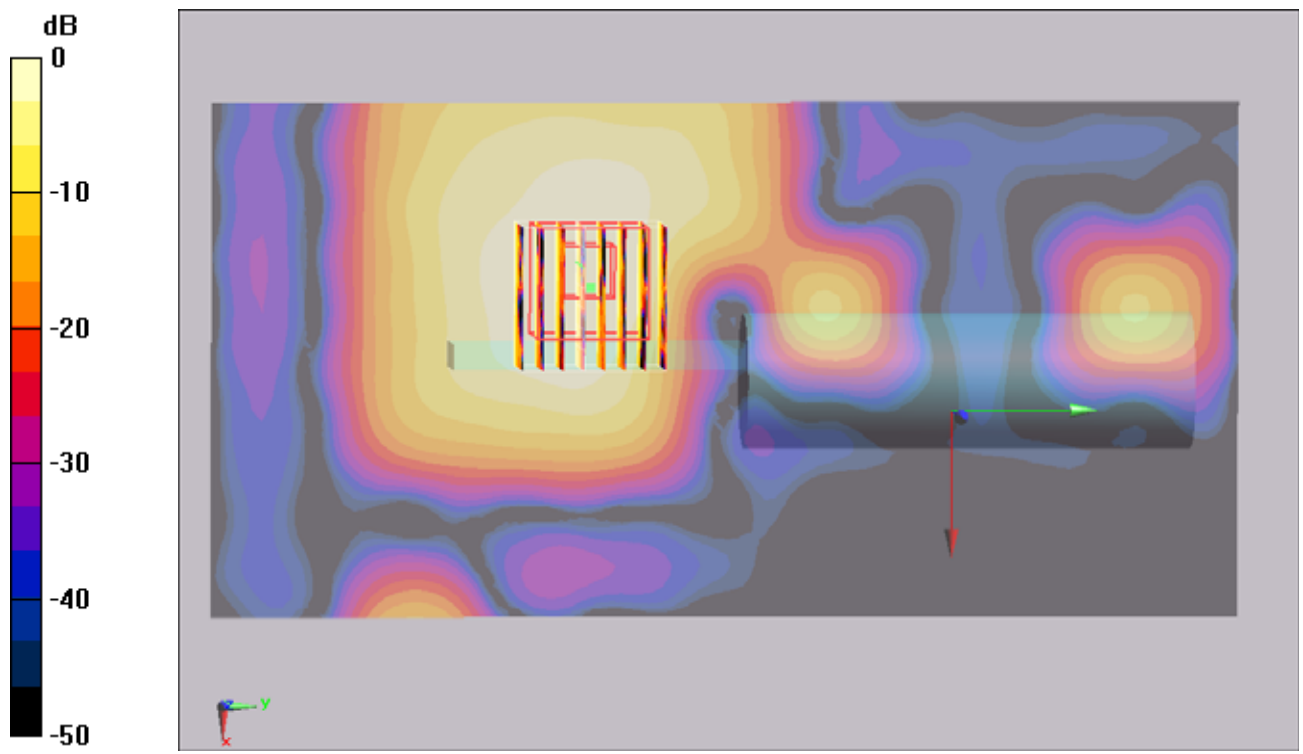
Ch44/Zoom Scan (8x8x10)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 2.17 V/m; Power Drift = -0.138 dB

Peak SAR (extrapolated) = 0.261 W/kg

SAR(1 g) = 0.074 mW/g; SAR(10 g) = 0.028 mW/g

Maximum value of SAR (measured) = 0.136 mW/g



#09 802.11a_Tip Mode_0.5cm_Ch44_Flip 180_Antenna 3**DUT: 181701**

Communication System: 802.11a; Frequency: 5220 MHz; Duty Cycle: 1:1

Medium: MSL_5G_110901 Medium parameters used : $f = 5220$ MHz; $\sigma = 5.36$ mho/m; $\epsilon_r = 48.612$; $\rho = 1000$ kg/m³

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3578; ConvF(3.74, 3.74, 3.74); Calibrated: 2011/6/21

- Sensor-Surface: 4mm (Mechanical Surface Detection), Sensor-Surface: 2mm (Mechanical Surface Detection)

- Electronics: DAE3 Sn577; Calibrated: 2011/1/13

- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP1127

- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.5 (3634)

Ch44/Area Scan (61x61x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.054 mW/g

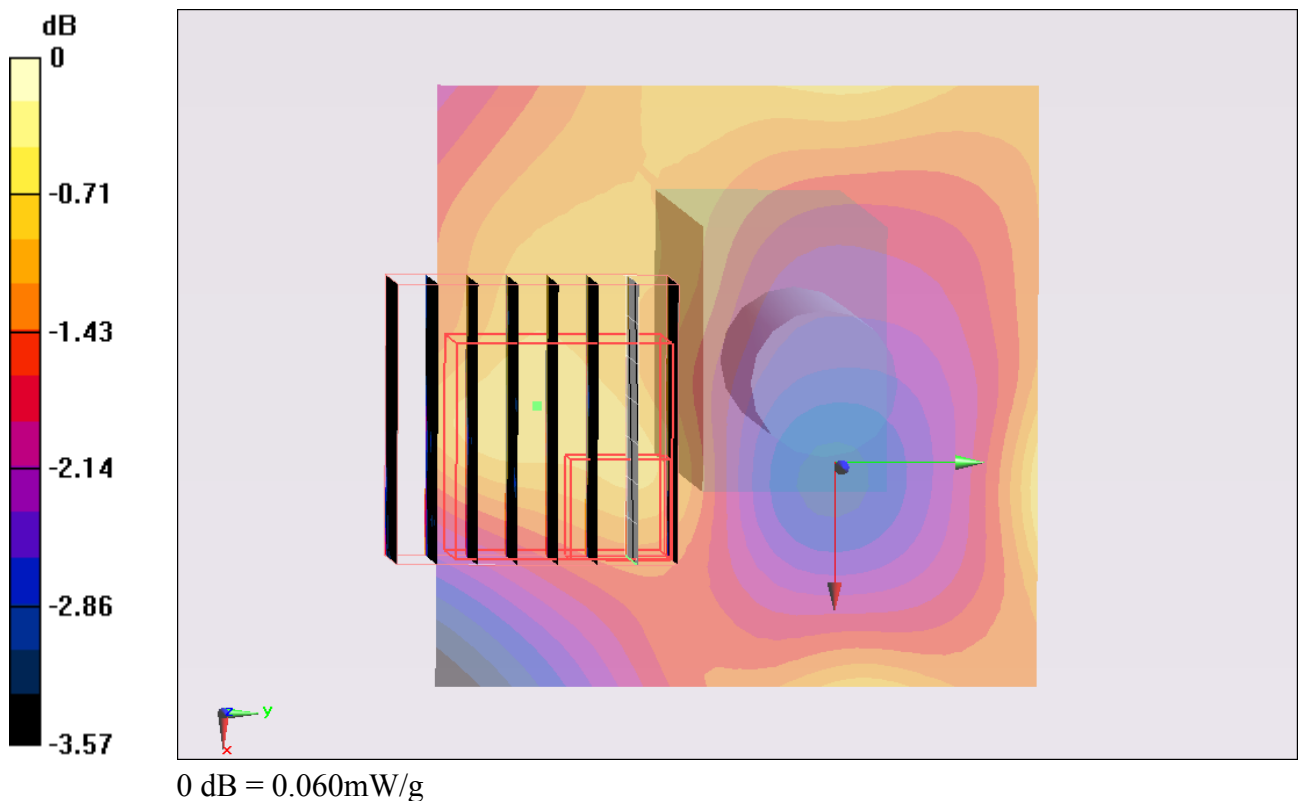
Ch44/Zoom Scan (8x8x10)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 1.688 V/m; Power Drift = 0.118 dB

Peak SAR (extrapolated) = 0.102 W/kg

SAR(1 g) = 0.035 mW/g; SAR(10 g) = 0.026 mW/g

Maximum value of SAR (measured) = 0.057 mW/g



#57 802.11a_Horizontal UP_0.5cm_Ch44_Flip 90_Antenna 3

DUT: 181701

Communication System: 802.11a; Frequency: 5220 MHz; Duty Cycle: 1:1

Medium: MSL_5G_111222 Medium parameters used: $f = 5220 \text{ MHz}$; $\sigma = 5.3 \text{ mho/m}$; $\epsilon_r = 47.5$; $\rho = 1000 \text{ kg/m}^3$

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3792; ConvF(4.22, 4.22, 4.22); Calibrated: 2011/6/20
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn778; Calibrated: 2011/11/22
- Phantom: ELI 4.0_Front; Type: QD 0VA 002 AA; Serial: TP-1131
- ; SEMCAD X Version 13.4 Build 125

Ch44/Area Scan (101x201x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.020 mW/g

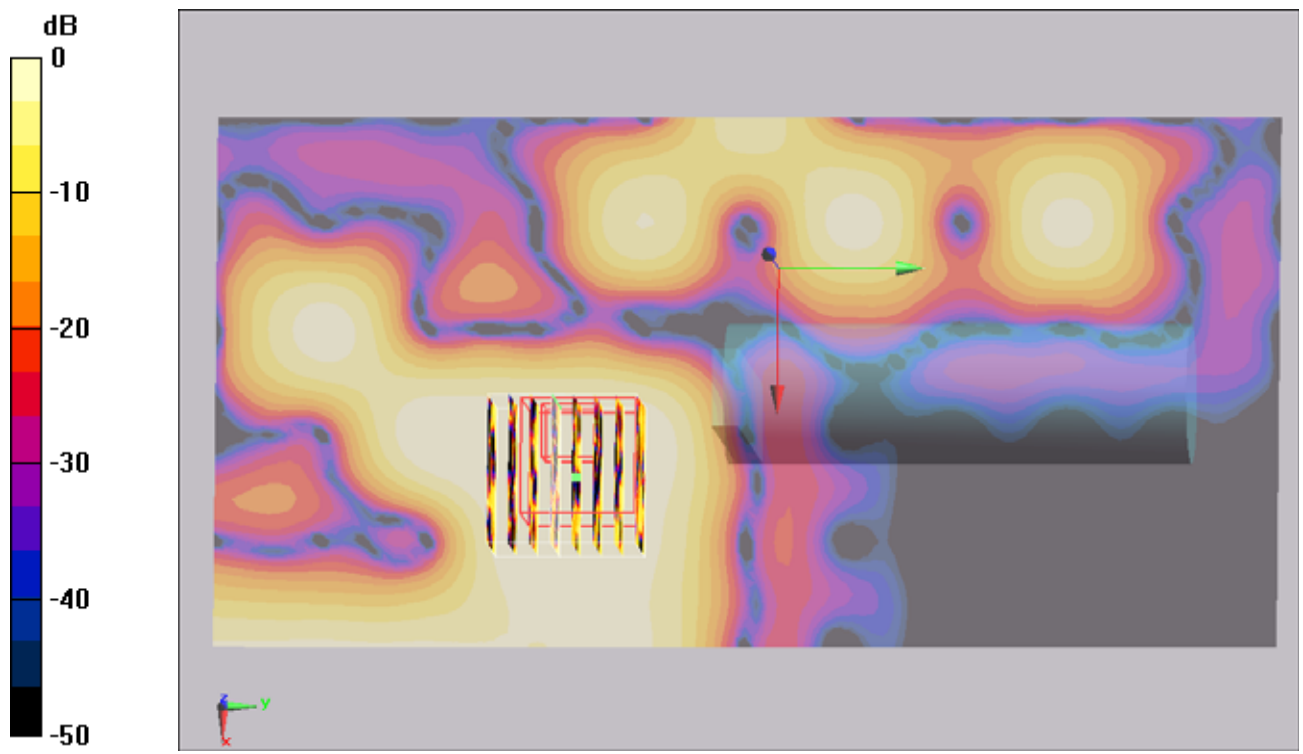
Ch44/Zoom Scan (8x8x10)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 0.512 V/m; Power Drift = -0.014 dB

Peak SAR (extrapolated) = 0.091 W/kg

SAR(1 g) = 0.00873 mW/g; SAR(10 g) = 0.00316 mW/g

Maximum value of SAR (measured) = 0.015 mW/g



0 dB = 0.015mW/g

#05 802.11a_Vertical Back_0.5cm_Ch44_Flip 90_Antenna 3**DUT: 181701**

Communication System: 802.11a; Frequency: 5220 MHz; Duty Cycle: 1:1

Medium: MSL_5G_110901 Medium parameters used : $f = 5220$ MHz; $\sigma = 5.36$ mho/m; $\epsilon_r = 48.612$;

$\rho = 1000$ kg/m³

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3578; ConvF(3.74, 3.74, 3.74); Calibrated: 2011/6/21
- Sensor-Surface: 4mm (Mechanical Surface Detection), Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn577; Calibrated: 2011/1/13
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP1127
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.5 (3634)

Ch44/Area Scan (101x201x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.181 mW/g

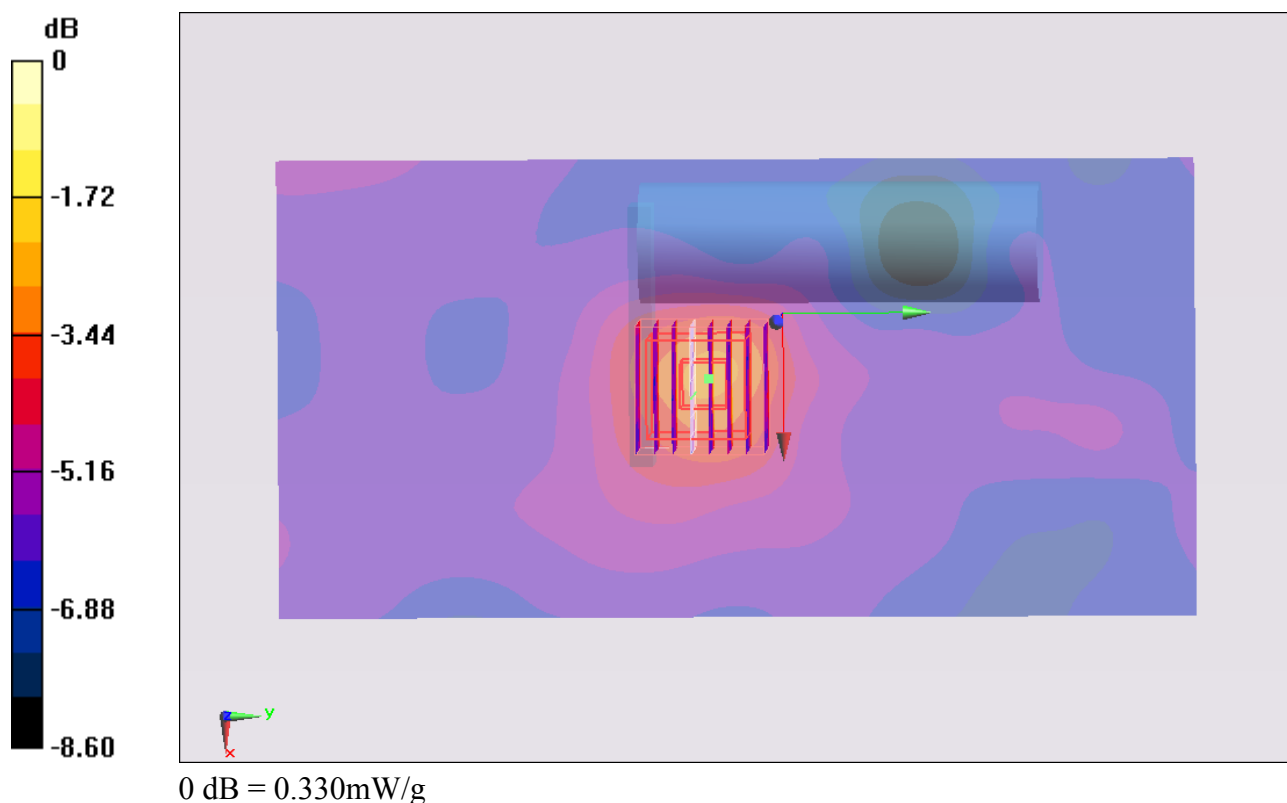
Ch44/Zoom Scan (8x8x10)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 4.164 V/m; Power Drift = 0.041 dB

Peak SAR (extrapolated) = 0.552 W/kg

SAR(1 g) = 0.218 mW/g; SAR(10 g) = 0.137 mW/g

Maximum value of SAR (measured) = 0.333 mW/g



#06 802.11a_Veritical Front_0.5cm_Ch44_Flip 90_Antenna 3**DUT: 181701**

Communication System: 802.11a; Frequency: 5220 MHz; Duty Cycle: 1:1

Medium: MSL_5G_110901 Medium parameters used : $f = 5220$ MHz; $\sigma = 5.36$ mho/m; $\epsilon_r = 48.612$;

$\rho = 1000$ kg/m³

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3578; ConvF(3.74, 3.74, 3.74); Calibrated: 2011/6/21

- Sensor-Surface: 4mm (Mechanical Surface Detection), Sensor-Surface: 2mm (Mechanical Surface Detection)

- Electronics: DAE3 Sn577; Calibrated: 2011/1/13

- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP1127

- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.5 (3634)

Ch44/Area Scan (101x201x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.112 mW/g

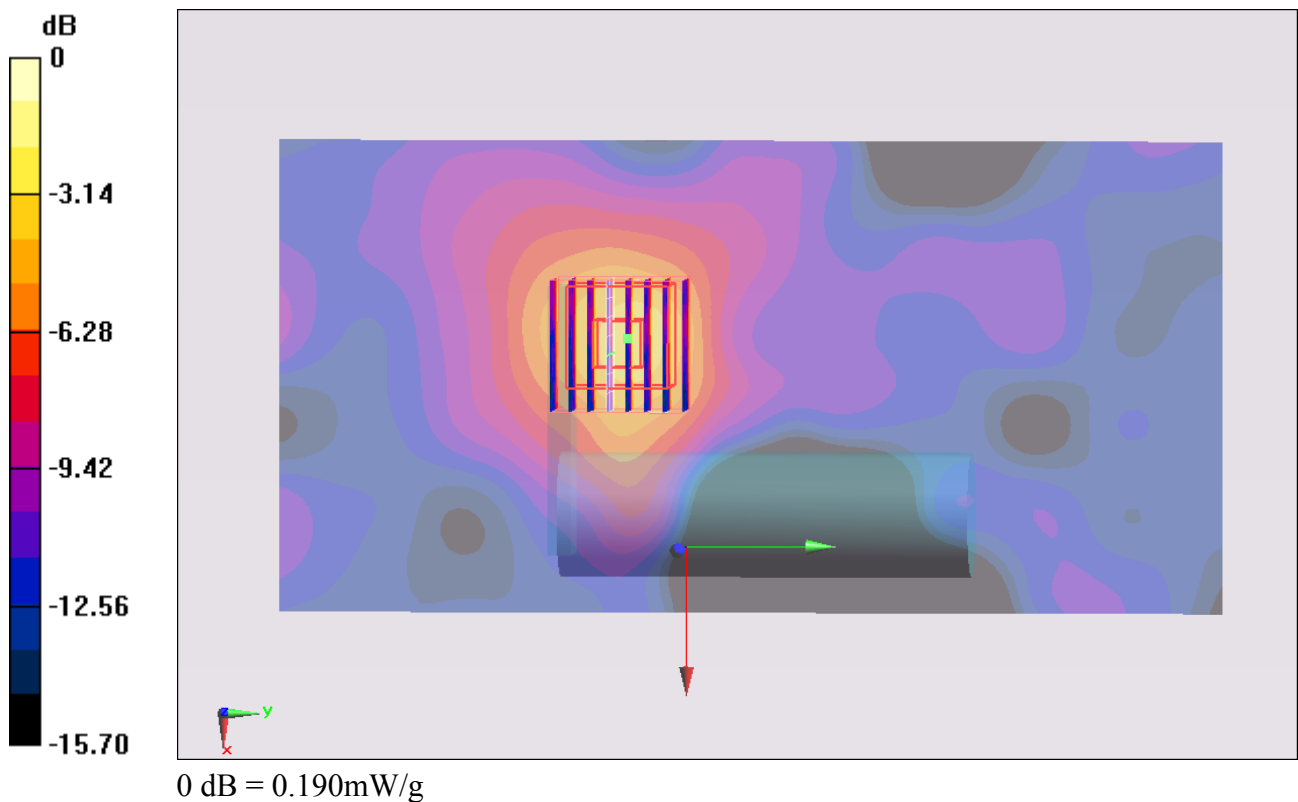
Ch44/Zoom Scan (8x8x10)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 0.273 V/m; Power Drift = 0.033 dB

Peak SAR (extrapolated) = 0.375 W/kg

SAR(1 g) = 0.110 mW/g; SAR(10 g) = 0.052 mW/g

Maximum value of SAR (measured) = 0.192 mW/g



#08 802.11a_Horizontal Down_Flip Front_0.5cm_Ch44_Flip 90_Antenna 3**DUT: 181701**

Communication System: 802.11a; Frequency: 5220 MHz; Duty Cycle: 1:1

Medium: MSL_5G_110901 Medium parameters used : $f = 5220$ MHz; $\sigma = 5.36$ mho/m; $\epsilon_r = 48.612$; $\rho = 1000$ kg/m³

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3578; ConvF(3.74, 3.74, 3.74); Calibrated: 2011/6/21
- Sensor-Surface: 4mm (Mechanical Surface Detection), Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn577; Calibrated: 2011/1/13
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP1127
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.5 (3634)

Ch44/Area Scan (101x141x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.191 mW/g

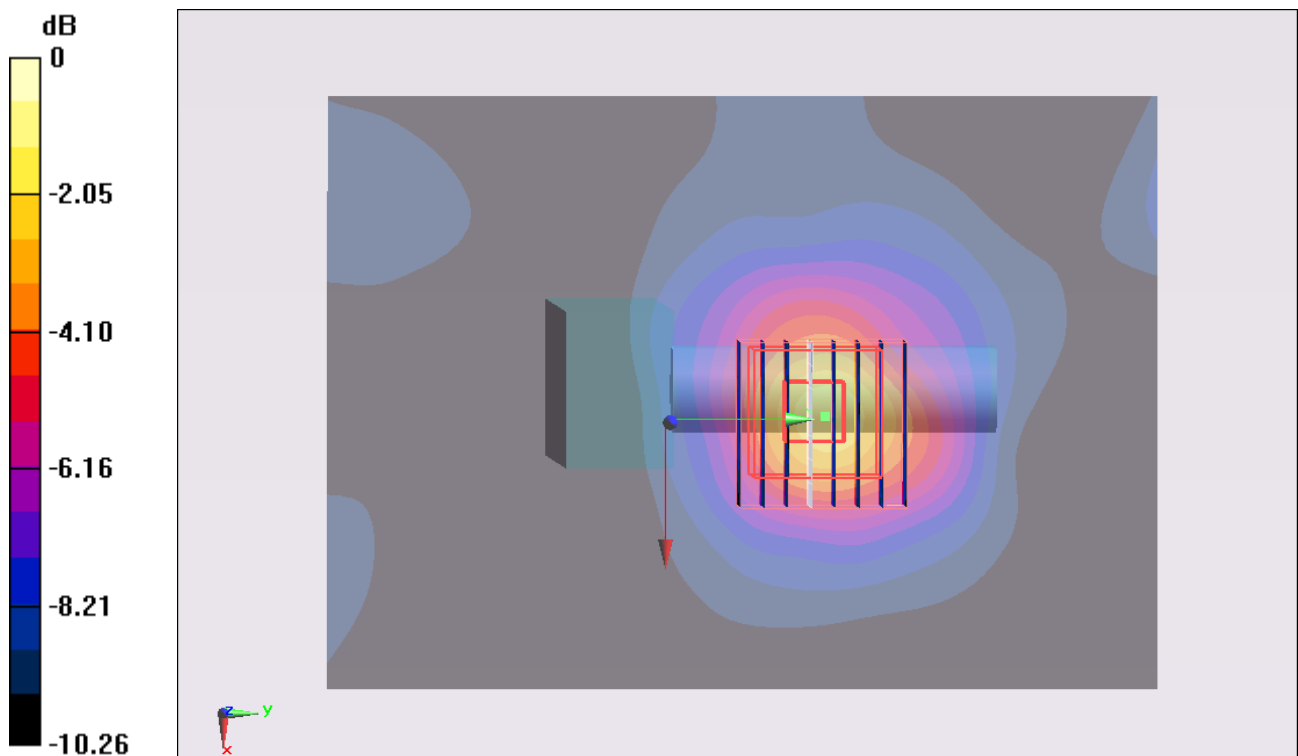
Ch44/Zoom Scan (8x8x10)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 1.267 V/m; Power Drift = 0.120 dB

Peak SAR (extrapolated) = 0.470 W/kg

SAR(1 g) = 0.157 mW/g; SAR(10 g) = 0.083 mW/g

Maximum value of SAR (measured) = 0.258 mW/g



#60 802.11a_Horizontal Down_Flip Front_1cm_Ch44_Flip 90_ Antenna 3**DUT: 181701**

Communication System: 802.11a; Frequency: 5220 MHz; Duty Cycle: 1:1

Medium: MSL_5G_120207 Medium parameters used : $f = 5220$ MHz; $\sigma = 5.31$ mho/m; $\epsilon_r = 48.5$; $\rho = 1000$ kg/m³

Ambient Temperature : 22.6 °C; Liquid Temperature : 21.6 °C

DASY4 Configuration:

- Probe: EX3DV4 - SN3792; ConvF(4.22, 4.22, 4.22); Calibrated: 2011/6/20
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn778; Calibrated: 2011/11/22
- Phantom: ELI 4.0_Front; Type: QDOVA001BB; Serial: 1026
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Ch44/Area Scan (101x141x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.115 mW/g

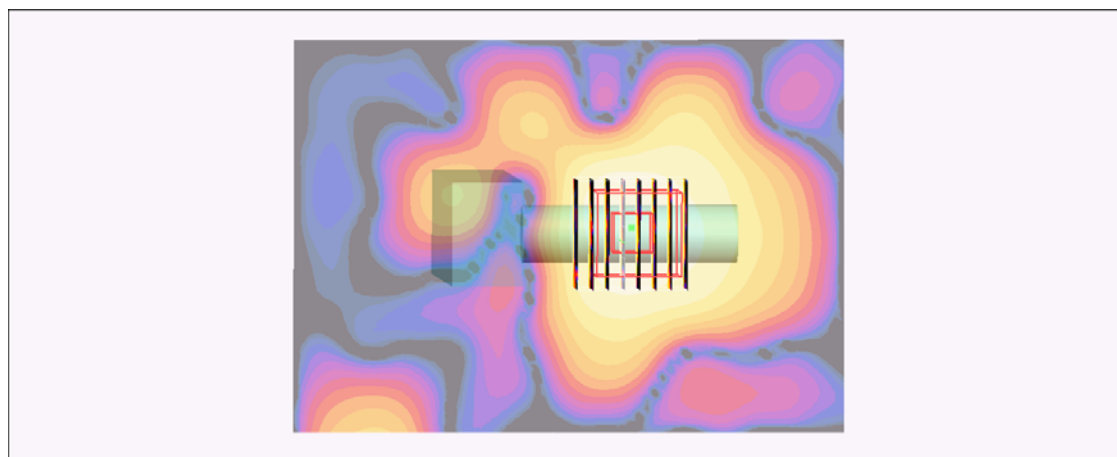
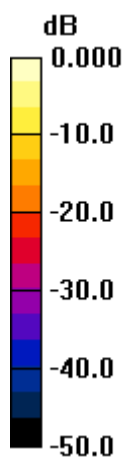
Ch44/Zoom Scan (8x8x10)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 0.770 V/m; Power Drift = -0.157 dB

Peak SAR (extrapolated) = 0.218 W/kg

SAR(1 g) = 0.066 mW/g; SAR(10 g) = 0.025 mW/g

Maximum value of SAR (measured) = 0.127 mW/g



0 dB = 0.127mW/g

#61 802.11a_Horizontal Down_Flip Back_1cm_Ch44_Filp 90_Antenna 3

DUT: 181701

Communication System: 802.11a; Frequency: 5220 MHz; Duty Cycle: 1:1

Medium: MSL_5G_111222 Medium parameters used : $f = 5220 \text{ MHz}$; $\sigma = 5.3 \text{ mho/m}$; $\epsilon_r = 47.5$; $\rho = 1000 \text{ kg/m}^3$

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3792; ConvF(4.22, 4.22, 4.22); Calibrated: 2011/6/20
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn778; Calibrated: 2011/11/22
- Phantom: ELI 4.0_Front; Type: QD 0VA 002 AA; Serial: TP-1131
- ; SEMCAD X Version 13.4 Build 125

Ch44/Area Scan (61x141x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.359 mW/g

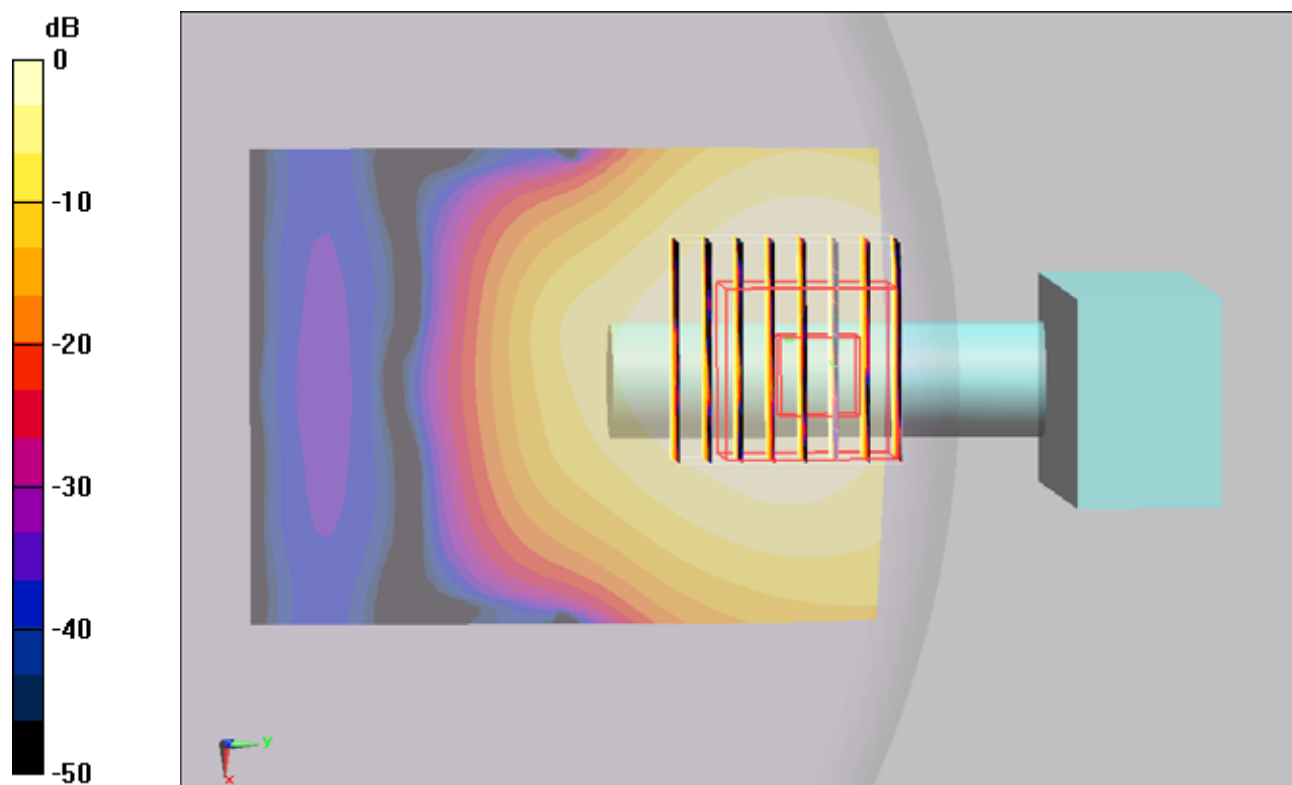
Ch44/Zoom Scan (8x8x10)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 0.275 V/m; Power Drift = -0.109 dB

Peak SAR (extrapolated) = 0.389 W/kg

SAR(1 g) = 0.120 mW/g; SAR(10 g) = 0.046 mW/g

Maximum value of SAR (measured) = 0.219 mW/g



0 dB = 0.219mW/g

#23 802.11n_20M_Horizontal Up_0.5cm_Ch44_Antenna 1/2/3**DUT: 181701**

Communication System: 802.11n; Frequency: 5220 MHz; Duty Cycle: 1:1

Medium: MSL_5G_110906 Medium parameters used : $f = 5220$ MHz; $\sigma = 5.42$ mho/m; $\epsilon_r = 48.672$; $\rho = 1000$ kg/m³

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3578; ConvF(3.74, 3.74, 3.74); Calibrated: 2011/6/21
- Sensor-Surface: 4mm (Mechanical Surface Detection), Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn577; Calibrated: 2011/1/13
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP1127
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.5 (3634)

Ch44/Area Scan (101x201x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.674 mW/g

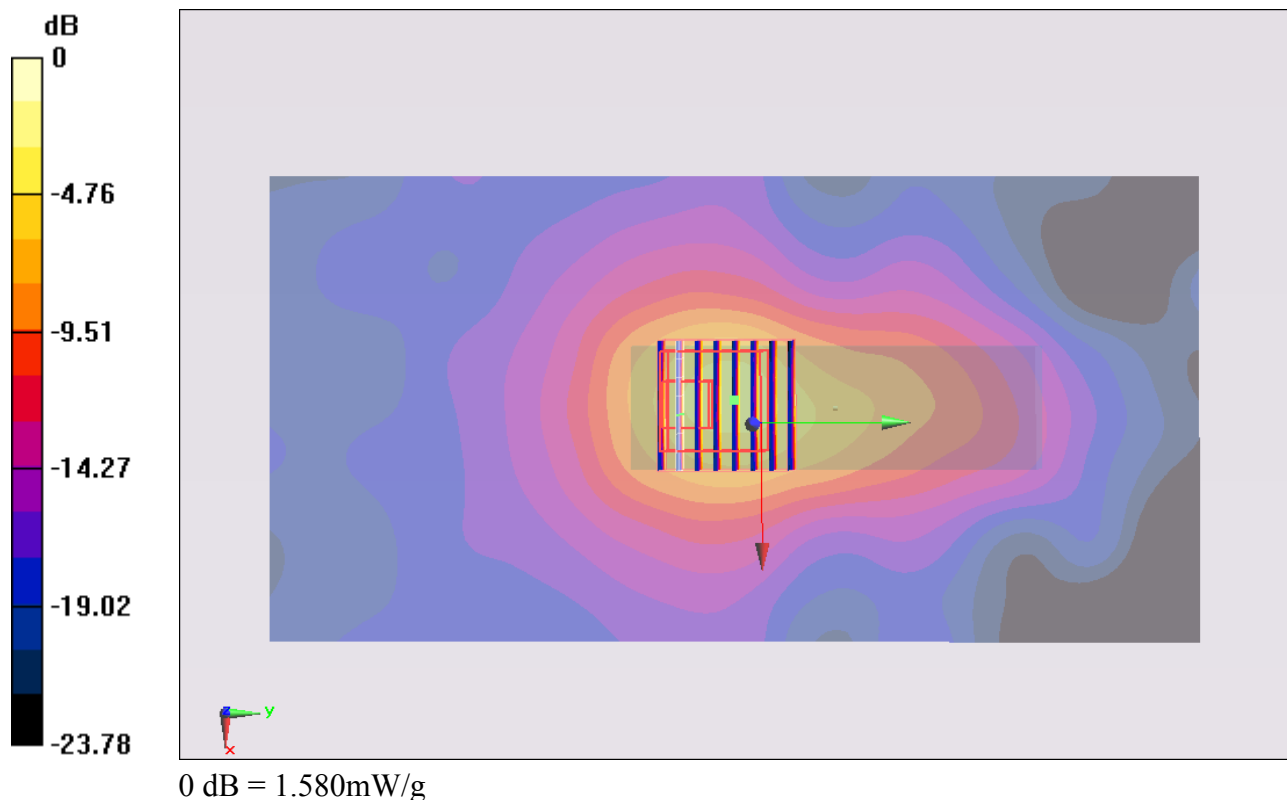
Ch44/Zoom Scan (8x8x10)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 9.198 V/m; Power Drift = -0.019 dB

Peak SAR (extrapolated) = 2.967 W/kg

SAR(1 g) = 0.819 mW/g; SAR(10 g) = 0.284 mW/g

Maximum value of SAR (measured) = 1.585 mW/g



#23 802.11n_20M_Horizontal Up_0.5cm_Ch44_Antenna 1/2/3_2D**DUT: 181701**

Communication System: 802.11n; Frequency: 5220 MHz; Duty Cycle: 1:1

Medium: MSL_5G_110906 Medium parameters used : $f = 5220$ MHz; $\sigma = 5.42$ mho/m; $\epsilon_r = 48.672$; $\rho = 1000$ kg/m³

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3578; ConvF(3.74, 3.74, 3.74); Calibrated: 2011/6/21
- Sensor-Surface: 4mm (Mechanical Surface Detection), Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn577; Calibrated: 2011/1/13
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP1127
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.5 (3634)

Ch44/Area Scan (101x201x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.674 mW/g

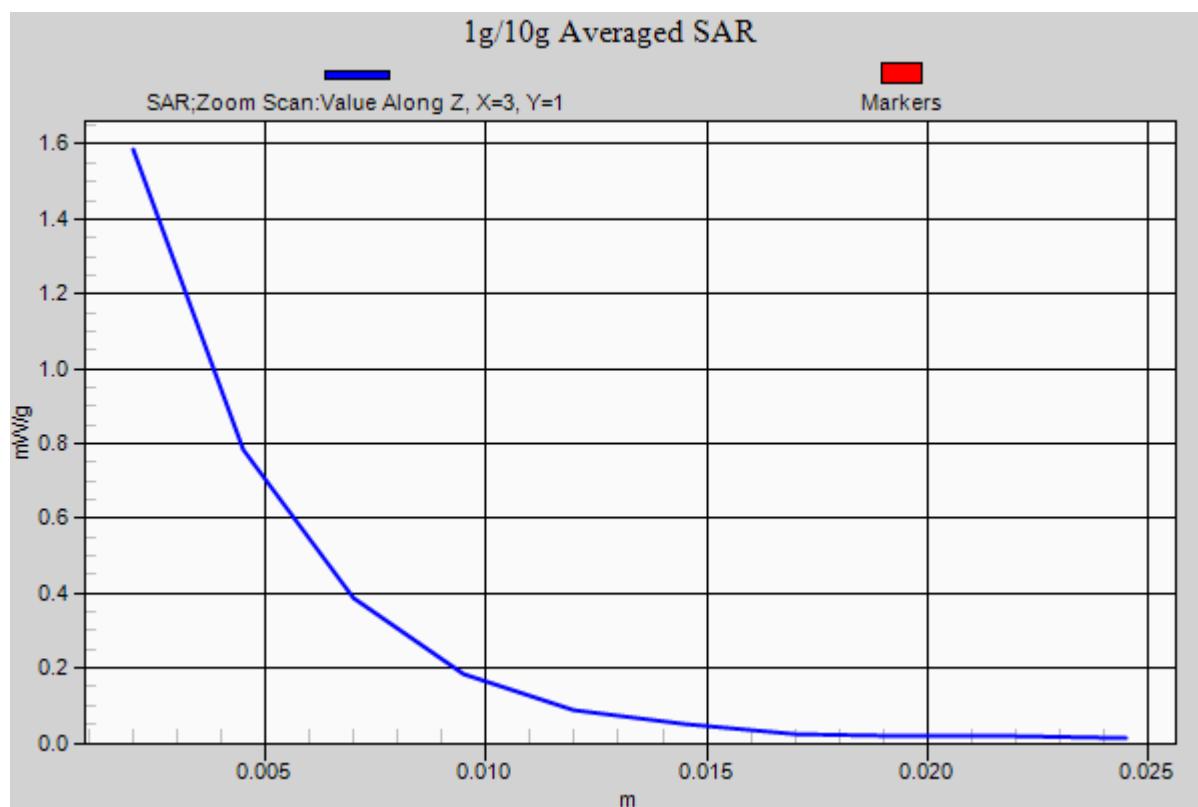
Ch44/Zoom Scan (8x8x10)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 9.198 V/m; Power Drift = -0.019 dB

Peak SAR (extrapolated) = 2.967 W/kg

SAR(1 g) = 0.819 mW/g; SAR(10 g) = 0.284 mW/g

Maximum value of SAR (measured) = 1.585 mW/g



#24 802.11n_20M_Horizontal Up_0.5cm_Ch36_Antenna 1/2/3**DUT: 181701**

Communication System: 802.11n; Frequency: 5180 MHz; Duty Cycle: 1:1

Medium: MSL_5G_110906 Medium parameters used : $f = 5180$ MHz; $\sigma = 5.36$ mho/m; $\epsilon_r = 48.758$; $\rho = 1000$ kg/m³

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3578; ConvF(3.74, 3.74, 3.74); Calibrated: 2011/6/21
- Sensor-Surface: 4mm (Mechanical Surface Detection), Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn577; Calibrated: 2011/1/13
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP1127
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.5 (3634)

Ch36/Area Scan (101x201x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.471 mW/g

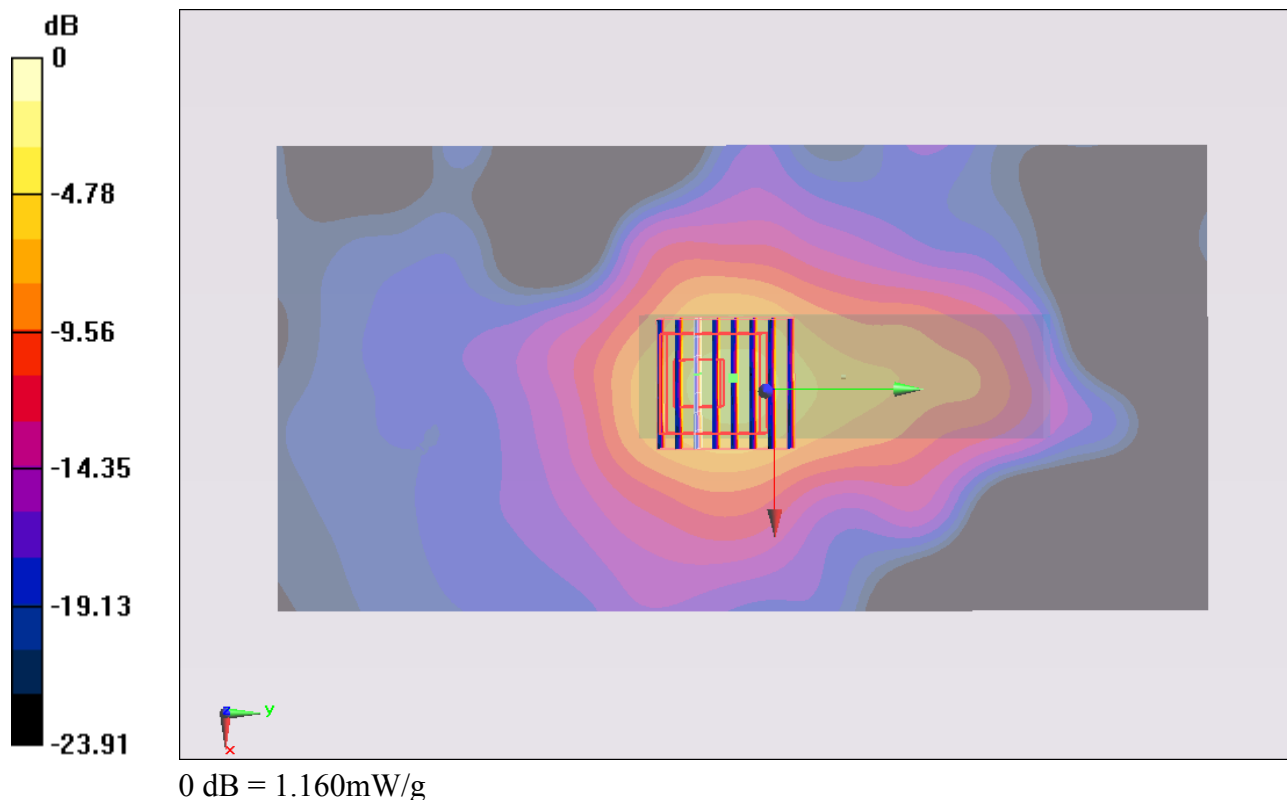
Configuration/Ch36/Zoom Scan (8x8x10)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 7.657 V/m; Power Drift = -0.054 dB

Peak SAR (extrapolated) = 2.208 W/kg

SAR(1 g) = 0.626 mW/g; SAR(10 g) = 0.227 mW/g

Maximum value of SAR (measured) = 1.161 mW/g



#26 802.11n_20M_Horizontal Down_0.5cm_Ch44_Antenna 1/2/3**DUT: 181701**

Communication System: 802.11n; Frequency: 5220 MHz; Duty Cycle: 1:1

Medium: MSL_5G_110906 Medium parameters used : $f = 5220$ MHz; $\sigma = 5.42$ mho/m; $\epsilon_r = 48.672$; $\rho = 1000$ kg/m³

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3578; ConvF(3.74, 3.74, 3.74); Calibrated: 2011/6/21
- Sensor-Surface: 4mm (Mechanical Surface Detection), Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn577; Calibrated: 2011/1/13
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP1127
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.5 (3634)

Ch44/Area Scan (101x201x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.288 mW/g

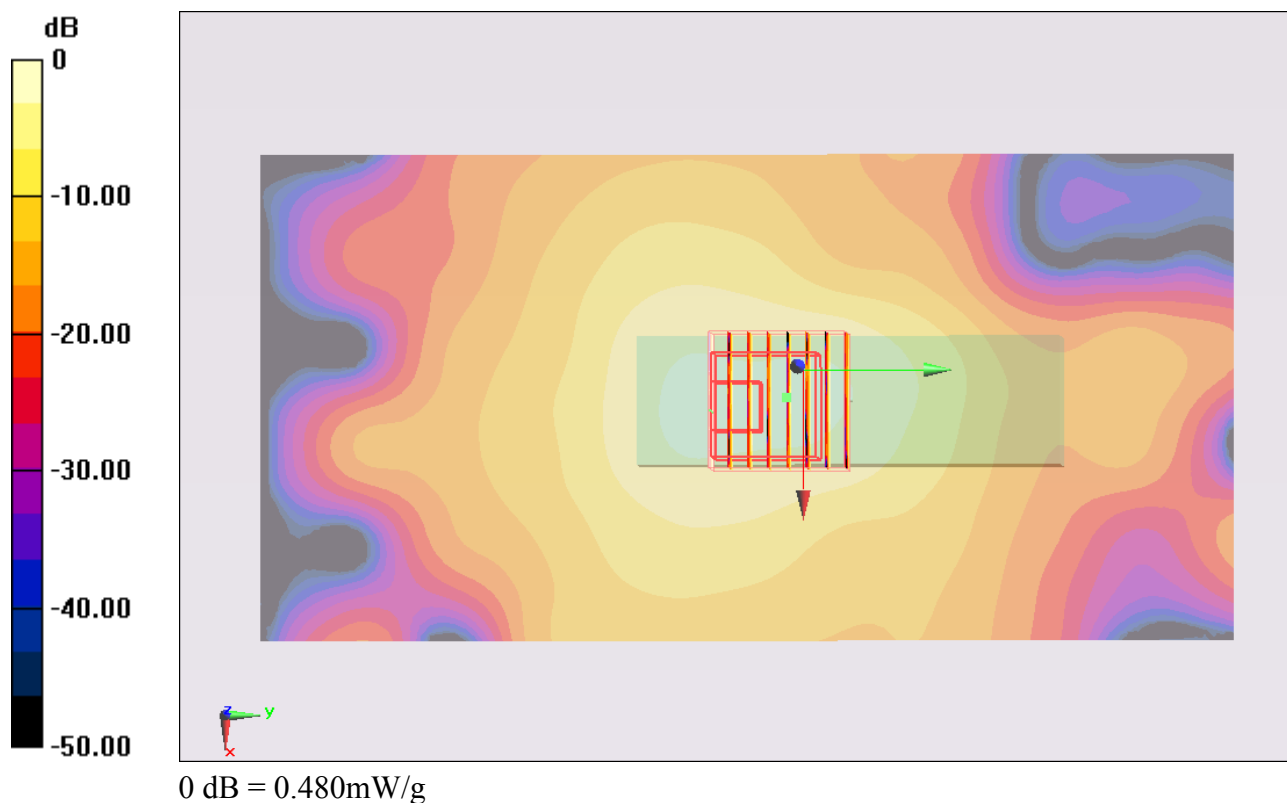
Ch44/Zoom Scan (8x8x10)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 8.964 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 0.900 W/kg

SAR(1 g) = 0.234 mW/g; SAR(10 g) = 0.084 mW/g

Maximum value of SAR (measured) = 0.481 mW/g



#28 802.11n_20M_Veritical Back_0.5cm_Ch44_Antenna 1/2/3**DUT: 181701**

Communication System: 802.11n; Frequency: 5220 MHz; Duty Cycle: 1:1

Medium: MSL_5G_110906 Medium parameters used : $f = 5220$ MHz; $\sigma = 5.42$ mho/m; $\epsilon_r = 48.672$; $\rho = 1000$ kg/m³

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3578; ConvF(3.74, 3.74, 3.74); Calibrated: 2011/6/21
- Sensor-Surface: 4mm (Mechanical Surface Detection), Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn577; Calibrated: 2011/1/13
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP1127
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.5 (3634)

Ch44/Area Scan (101x201x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.314 mW/g

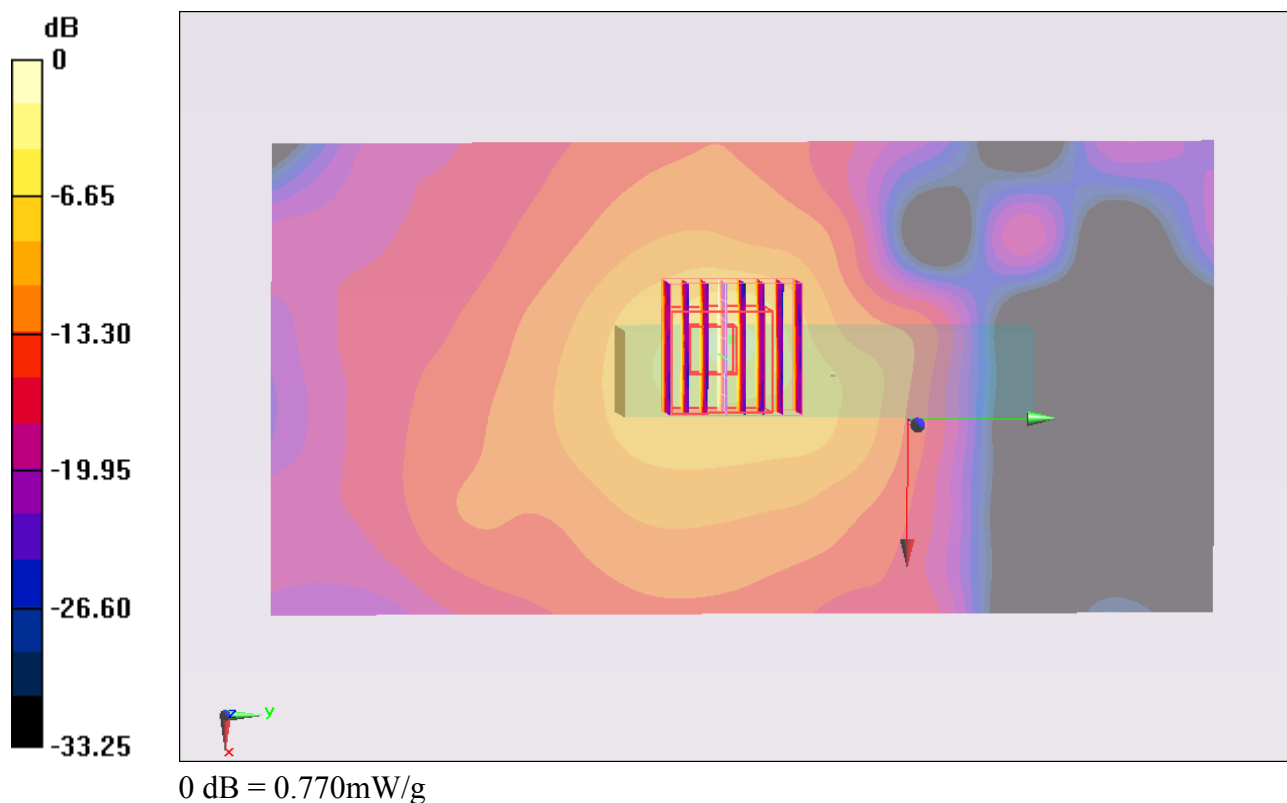
Ch44/Zoom Scan (8x8x10)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 4.683 V/m; Power Drift = 0.12 dB

Peak SAR (extrapolated) = 1.542 W/kg

SAR(1 g) = 0.401 mW/g; SAR(10 g) = 0.129 mW/g

Maximum value of SAR (measured) = 0.772 mW/g



#30 802.11n_20M_Veritical Front_0.5cm_Ch44_Antenna 1/2/3**DUT: 181701**

Communication System: 802.11n; Frequency: 5220 MHz; Duty Cycle: 1:1

Medium: MSL_5G_110906 Medium parameters used : $f = 5220$ MHz; $\sigma = 5.42$ mho/m; $\epsilon_r = 48.672$; $\rho = 1000$ kg/m³

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3578; ConvF(3.74, 3.74, 3.74); Calibrated: 2011/6/21
- Sensor-Surface: 4mm (Mechanical Surface Detection), Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn577; Calibrated: 2011/1/13
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP1127
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.5 (3634)

Ch44/Area Scan (101x201x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.326 mW/g

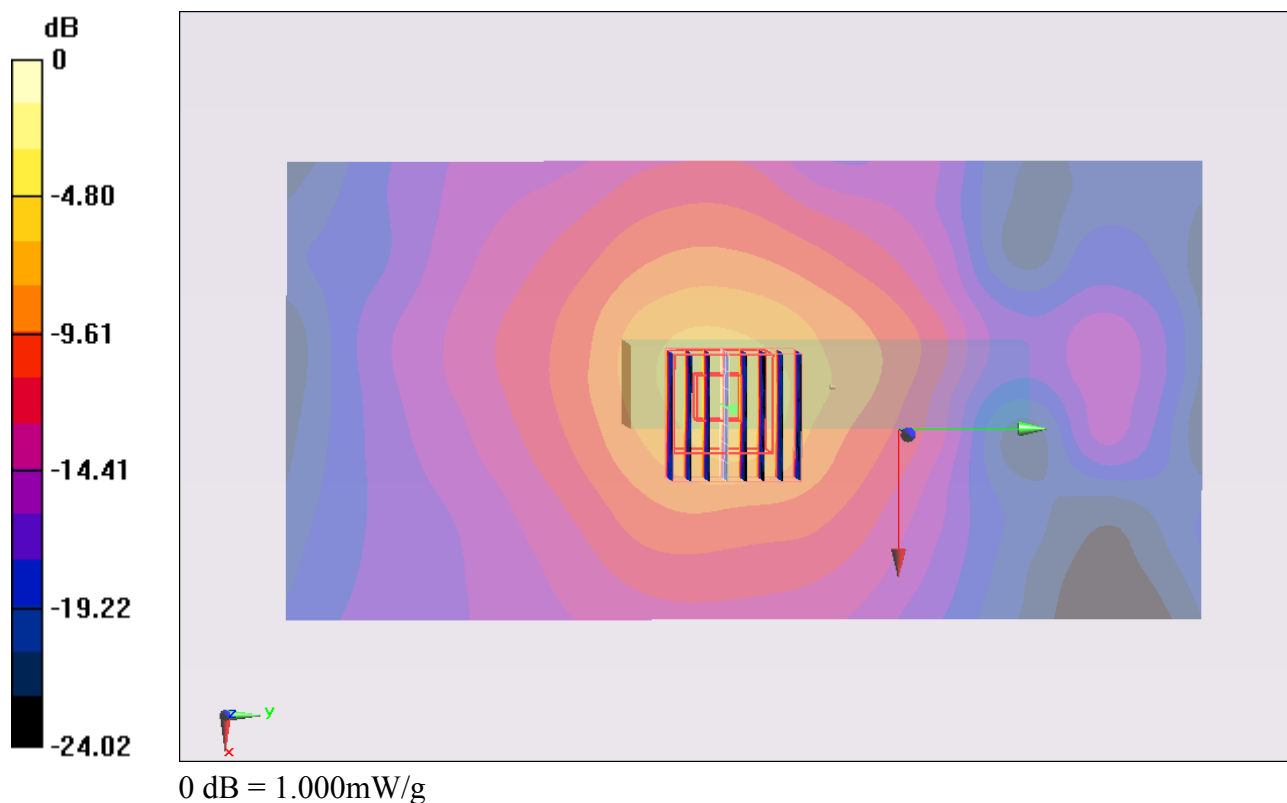
Ch44/Zoom Scan (8x8x10)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 7.838 V/m; Power Drift = -0.120 dB

Peak SAR (extrapolated) = 2.007 W/kg

SAR(1 g) = 0.505 mW/g; SAR(10 g) = 0.163 mW/g

Maximum value of SAR (measured) = 1.000 mW/g



#32 802.11n_20M_Tip Mode_0.5cm_Ch44_Antenna 1/2/3**DUT: 181701**

Communication System: 802.11n; Frequency: 5220 MHz; Duty Cycle: 1:1

Medium: MSL_5G_110906 Medium parameters used: $f = 5220$ MHz; $\sigma = 5.42$ mho/m; $\epsilon_r = 48.672$; $\rho = 1000$ kg/m³

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3578; ConvF(3.74, 3.74, 3.74); Calibrated: 2011/6/21
- Sensor-Surface: 4mm (Mechanical Surface Detection), Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn577; Calibrated: 2011/1/13
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP1127
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.5 (3634)

Ch44/Area Scan (101x101x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.229 mW/g

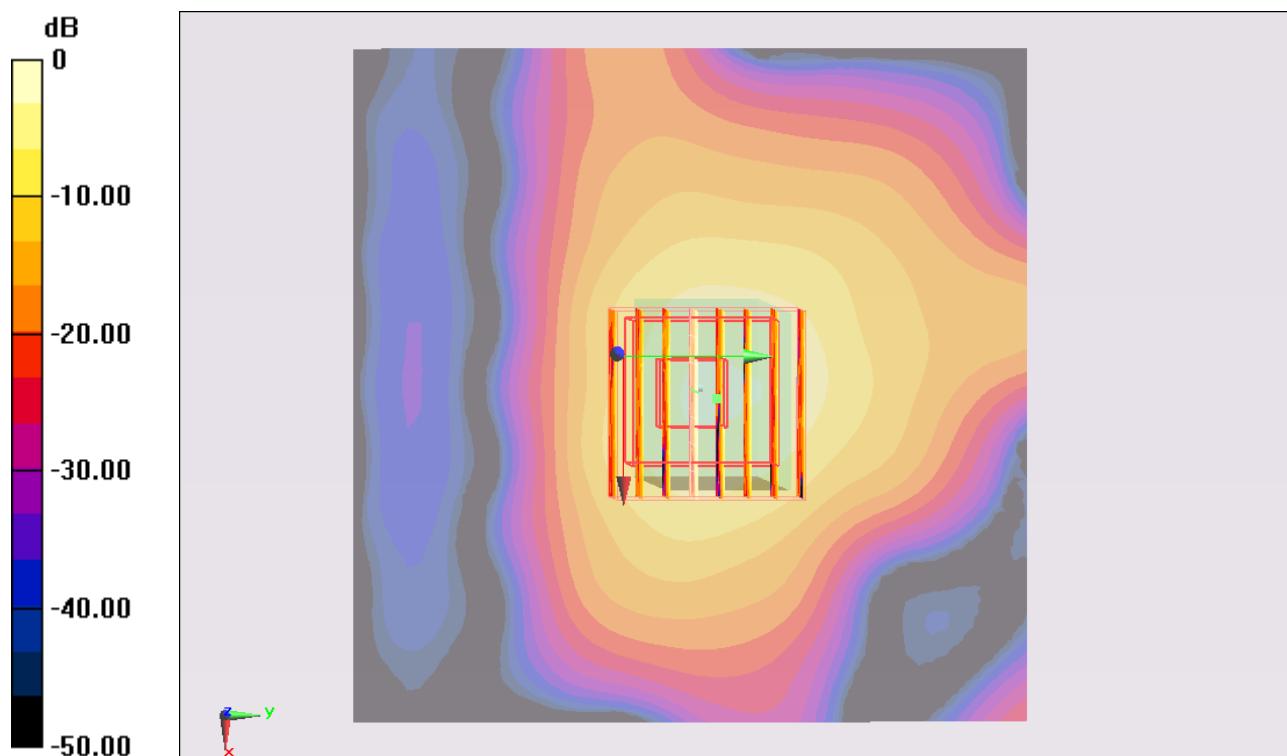
Ch44/Zoom Scan (8x8x10)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 8.701 V/m; Power Drift = -0.019 dB

Peak SAR (extrapolated) = 0.849 W/kg

SAR(1 g) = 0.213 mW/g; SAR(10 g) = 0.071 mW/g

Maximum value of SAR (measured) = 0.414 mW/g



0 dB = 0.410mW/g

#27 802.11n_20M_Horizontal Up_0.5cm_Ch44_Flip 180_Antenna 1/2/3**DUT: 181701**

Communication System: 802.11a; Frequency: 5220 MHz; Duty Cycle: 1:1

Medium: MSL_5G_110906 Medium parameters used : $f = 5220$ MHz; $\sigma = 5.42$ mho/m; $\epsilon_r = 48.672$; $\rho = 1000$ kg/m³

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3578; ConvF(3.74, 3.74, 3.74); Calibrated: 2011/6/21
- Sensor-Surface: 4mm (Mechanical Surface Detection), Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn577; Calibrated: 2011/1/13
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP1127
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.5 (3634)

Ch44/Area Scan (101x201x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.506 mW/g

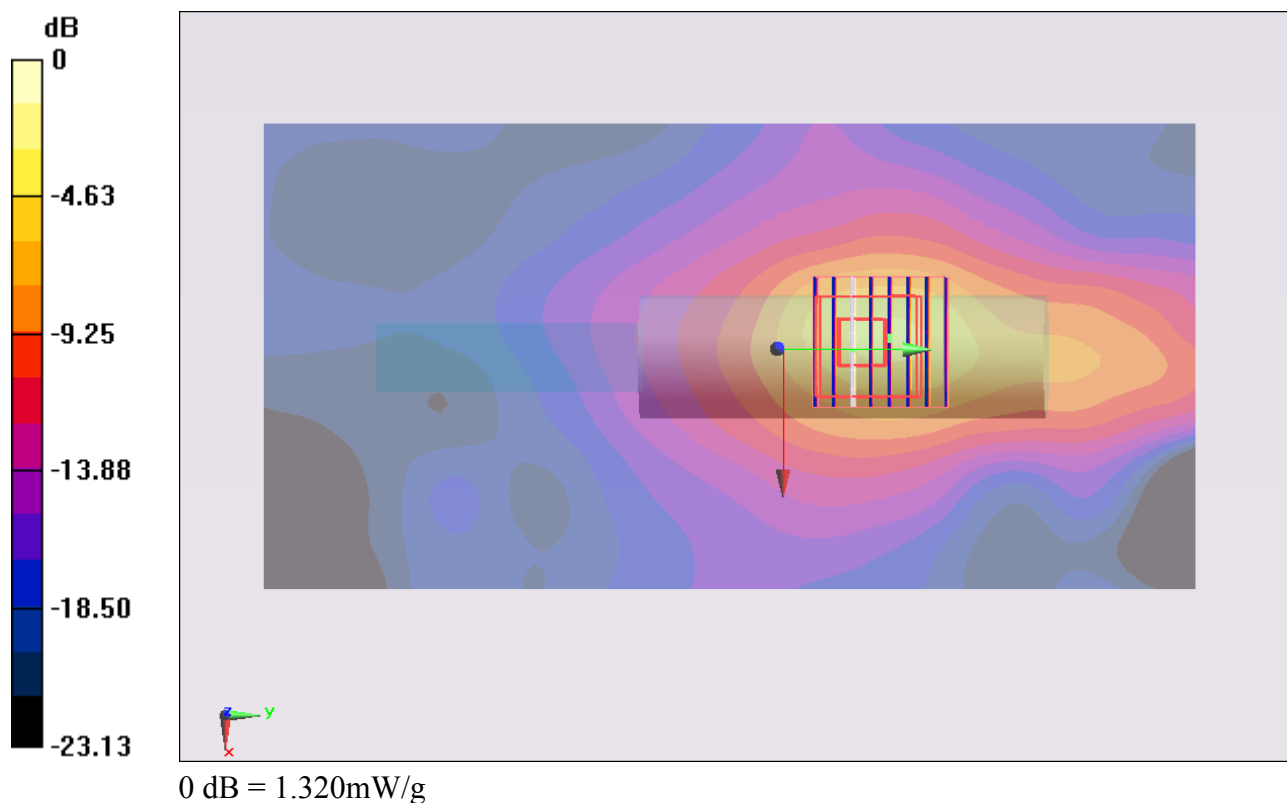
Ch44/Zoom Scan (8x8x10)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 11.244 V/m; Power Drift = -0.80 dB

Peak SAR (extrapolated) = 2.492 W/kg

SAR(1 g) = 0.702 mW/g; SAR(10 g) = 0.263 mW/g

Maximum value of SAR (measured) = 1.319 mW/g



#54 802.11n_20M_Horizontal Down_0.5cm_Ch44_Flip 180_Antenna 1/2/3**DUT: 181701**

Communication System: 802.11n; Frequency: 5220 MHz; Duty Cycle: 1:1

Medium: MSL_5G_110908 Medium parameters used : $f = 5220$ MHz; $\sigma = 5.319$ mho/m; $\epsilon_r = 48.728$; $\rho = 1000$ kg/m³

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3792; ConvF(4.22, 4.22, 4.22); Calibrated: 2011/6/20
- Sensor-Surface: 4mm (Mechanical Surface Detection), Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn577; Calibrated: 2011/1/13
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP1127
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.5 (3634)

Ch44/Area Scan (81x181x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.337 mW/g

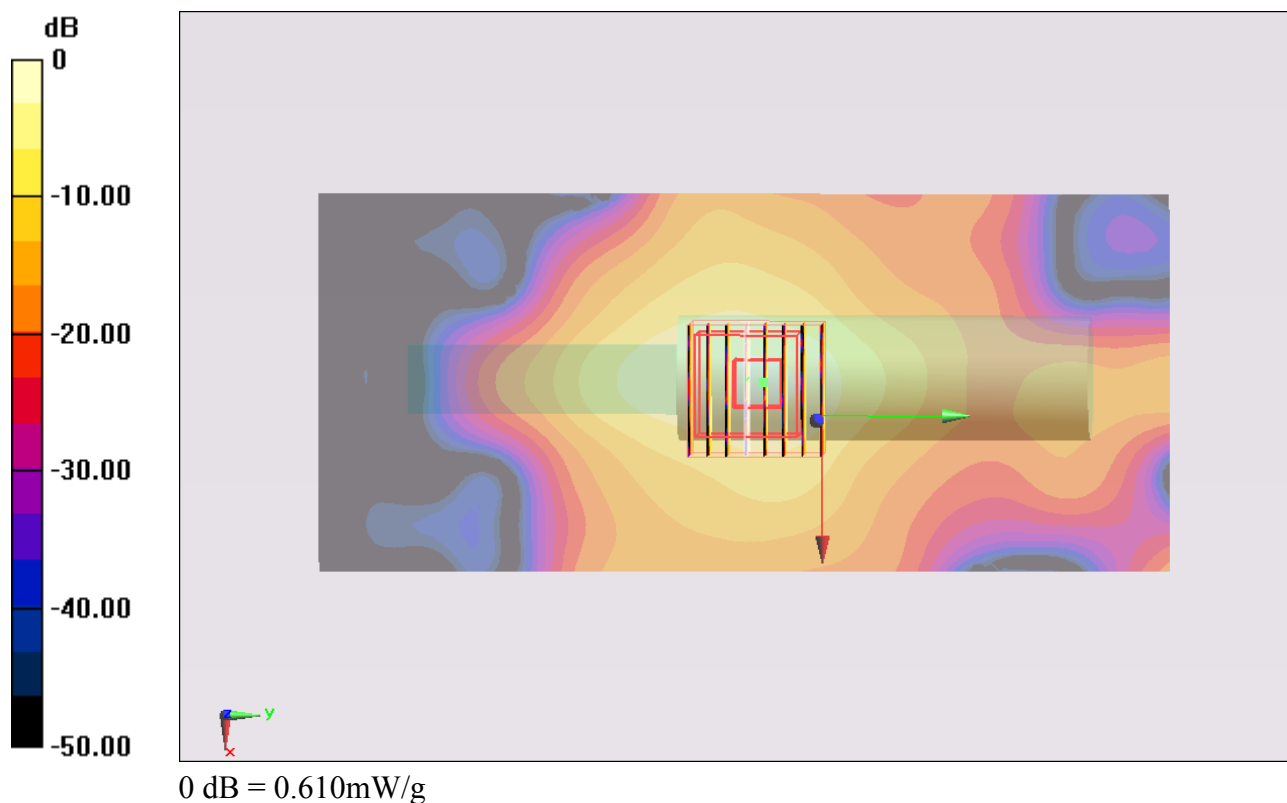
Ch44/Zoom Scan (8x8x10)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 4.453 V/m; Power Drift = 0.06 dB

Peak SAR (extrapolated) = 1.072 W/kg

SAR(1 g) = 0.329 mW/g; SAR(10 g) = 0.123 mW/g

Maximum value of SAR (measured) = 0.608 mW/g



#53 802.11n_20M_Veritical Back_0.5cm_Ch44_Flip 180_Antenna 1/2/3**DUT: 181701**

Communication System: 802.11a; Frequency: 5220 MHz; Duty Cycle: 1:1

Medium: MSL_5G_110908 Medium parameters used : $f = 5220$ MHz; $\sigma = 5.319$ mho/m; $\epsilon_r = 48.728$; $\rho = 1000$ kg/m³

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3792; ConvF(4.22, 4.22, 4.22); Calibrated: 2011/6/20
- Sensor-Surface: 4mm (Mechanical Surface Detection), Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn577; Calibrated: 2011/1/13
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP1127
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.5 (3634)

Ch44/Area Scan (101x201x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.139 mW/g

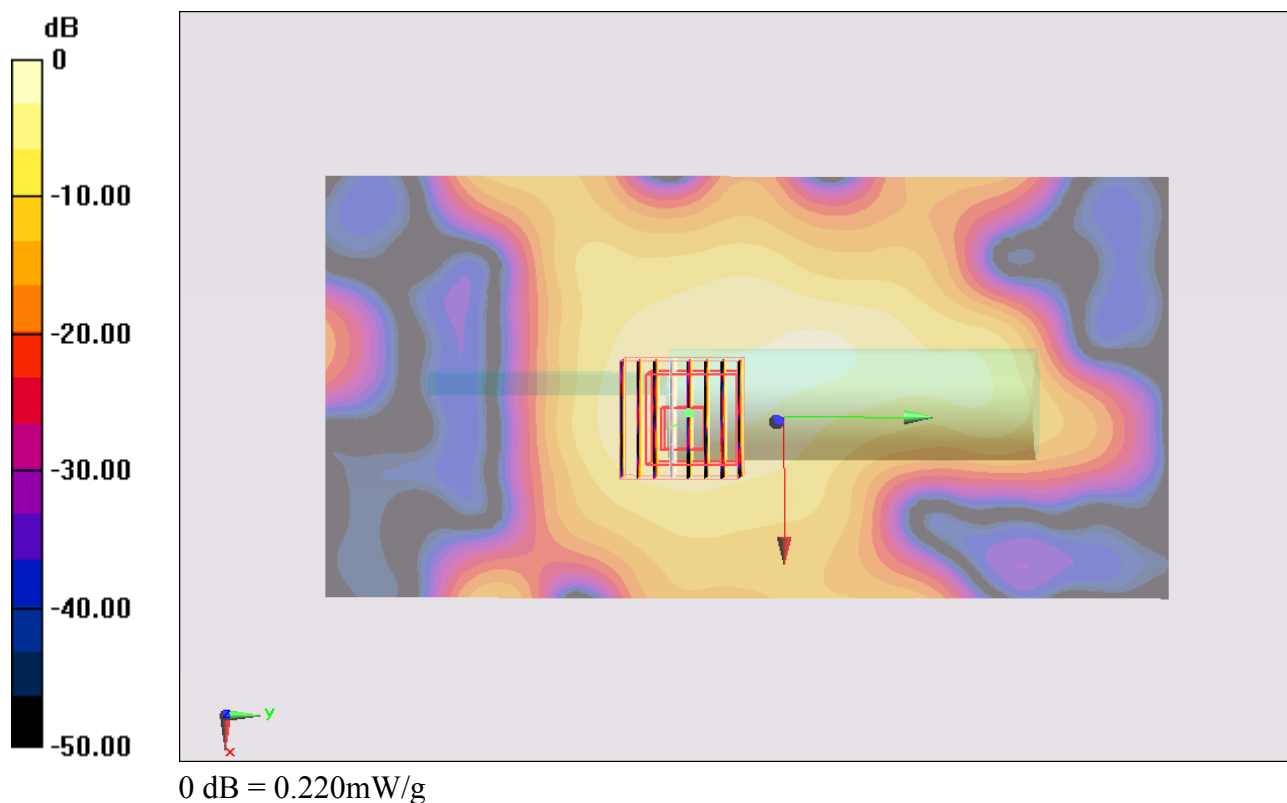
Ch44/Zoom Scan (8x8x10)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 5.865 V/m; Power Drift = 0.12 dB

Peak SAR (extrapolated) = 0.431 W/kg

SAR(1 g) = 0.120 mW/g; SAR(10 g) = 0.049 mW/g

Maximum value of SAR (measured) = 0.216 mW/g



#31 802.11n_20M_Veritical Front_0.5cm_Ch44_Flip 180_Antenna 1/2/3**DUT: 181701**

Communication System: 802.11n; Frequency: 5220 MHz; Duty Cycle: 1:1

Medium: MSL_5G_110906 Medium parameters used : $f = 5220$ MHz; $\sigma = 5.42$ mho/m; $\epsilon_r = 48.672$; $\rho = 1000$ kg/m³

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3578; ConvF(3.74, 3.74, 3.74); Calibrated: 2011/6/21
- Sensor-Surface: 4mm (Mechanical Surface Detection), Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn577; Calibrated: 2011/1/13
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP1127
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.5 (3634)

Ch44/Area Scan (101x201x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.356 mW/g

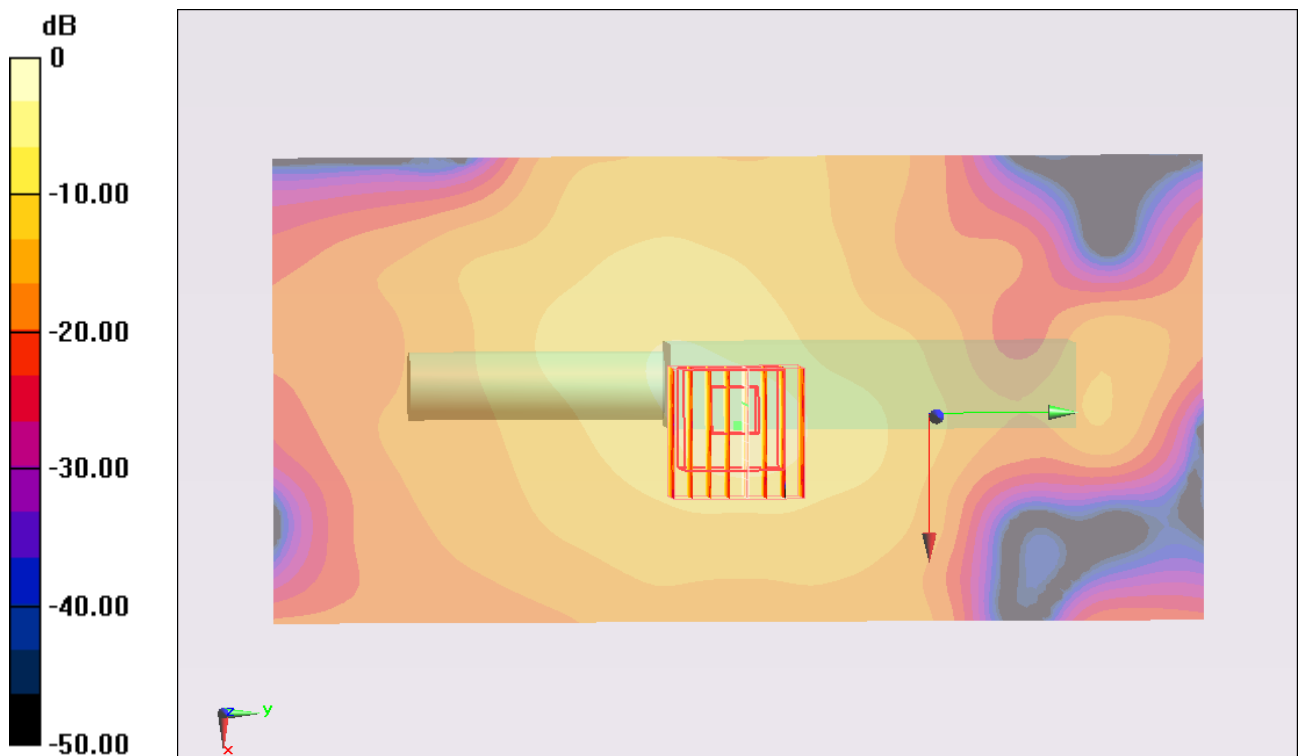
Ch44/Zoom Scan (8x8x10)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 4.925 V/m; Power Drift = 0.149 dB

Peak SAR (extrapolated) = 1.635 W/kg

SAR(1 g) = 0.444 mW/g; SAR(10 g) = 0.151 mW/g

Maximum value of SAR (measured) = 0.832 mW/g



#80 802.11n_20M_Tip Mode_0.5cm_Ch44_Flip 180_Antenna 1/2/3**DUT: 181701**

Communication System: 802.11n; Frequency: 5220 MHz; Duty Cycle: 1:1

Medium: MSL_5G_120112 Medium parameters used : $f = 5220$ MHz; $\sigma = 5.4$ mho/m; $\epsilon_r = 48.5$; $\rho = 1000$ kg/m³

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

DASY4 Configuration:

- Probe: EX3DV4 - SN3792; ConvF(4.22, 4.22, 4.22); Calibrated: 2011/6/20
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn778; Calibrated: 2011/11/22
- Phantom: ELI 4.0_Front; Type: QDOVA001BB; Serial: 1026
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Ch44/Area Scan (101x201x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.206 mW/g

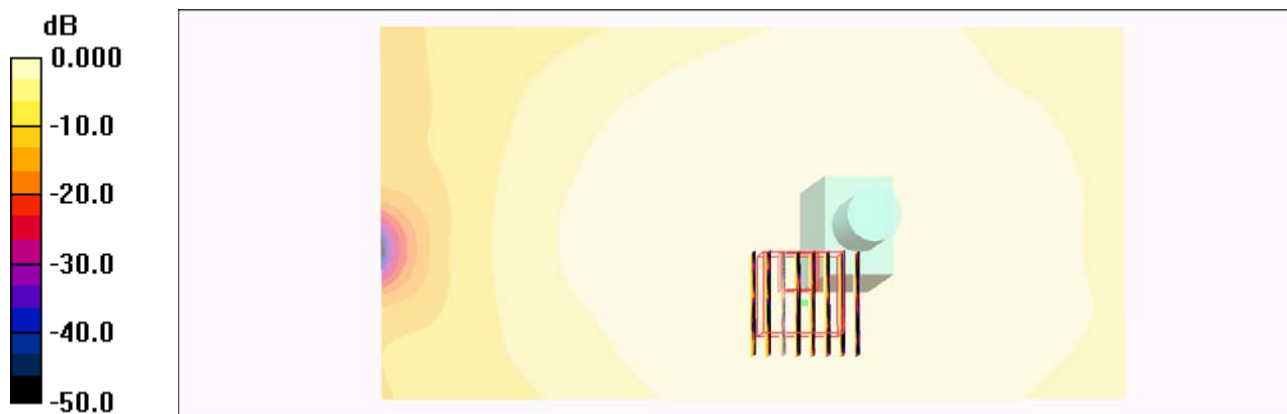
Ch44/Zoom Scan (8x8x10)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 2.40 V/m; Power Drift = -0.148 dB

Peak SAR (extrapolated) = 0.260 W/kg

SAR(1 g) = 0.074 mW/g; SAR(10 g) = 0.032 mW/g

Maximum value of SAR (measured) = 0.138 mW/g



0 dB = 0.138mW/g

#62 802.11n_20M_Horizontal UP_0.5cm_Ch44_Flip 90_ Antenna 1

DUT: 181701

Communication System: 802.11n; Frequency: 5220 MHz; Duty Cycle: 1:1

Medium: MSL_5G_111222 Medium parameters used: $f = 5220 \text{ MHz}$; $\sigma = 5.3 \text{ mho/m}$; $\epsilon_r = 47.5$; $\rho = 1000 \text{ kg/m}^3$

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3792; ConvF(4.22, 4.22, 4.22); Calibrated: 2011/6/20
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn778; Calibrated: 2011/11/22
- Phantom: ELI 4.0_Front; Type: QD 0VA 002 AA; Serial: TP-1131
- ; SEMCAD X Version 13.4 Build 125

Ch44/Area Scan (101x201x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.616 mW/g

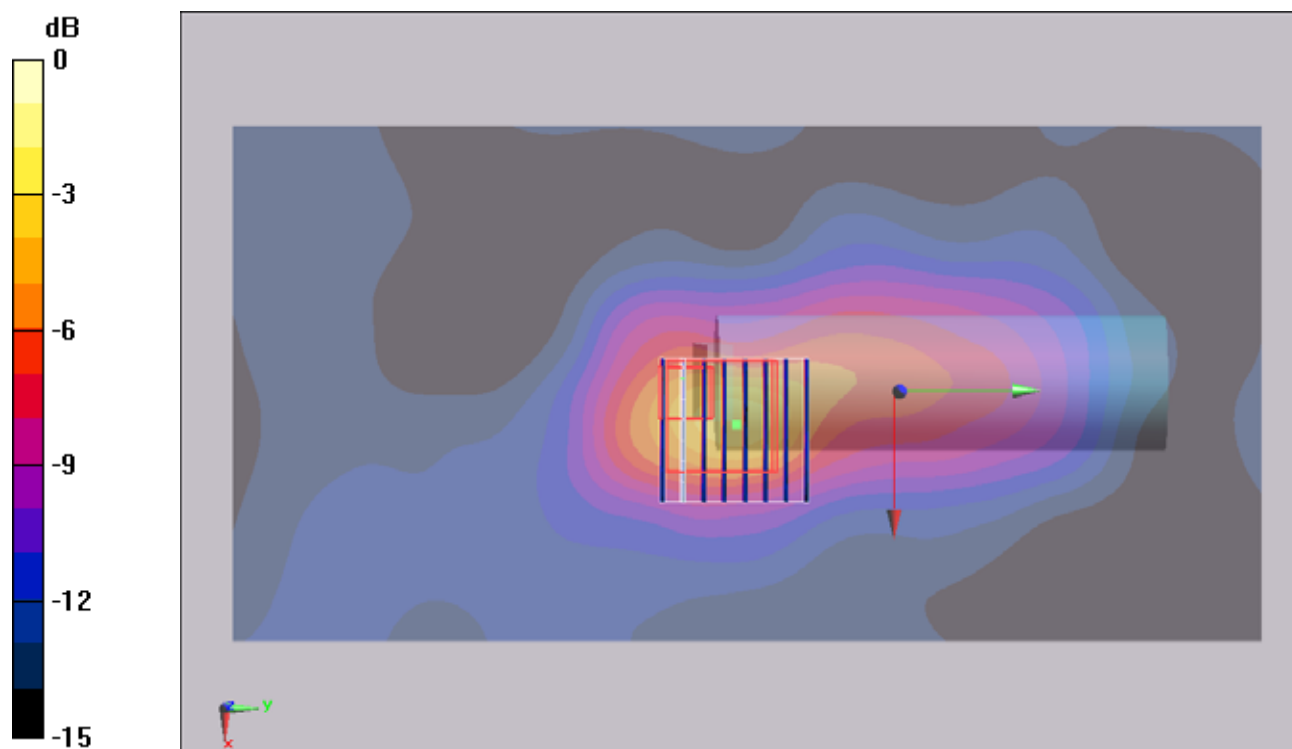
Ch44/Zoom Scan (8x8x10)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 6.51 V/m; Power Drift = -0.142 dB

Peak SAR (extrapolated) = 2.13 W/kg

SAR(1 g) = 0.578 mW/g; SAR(10 g) = 0.206 mW/g

Maximum value of SAR (measured) = 1.06 mW/g



#63 802.11n_20M_Horizontal UP_0.5cm_Ch44_Flip 90_only Antenna 2

DUT: 181701

Communication System: 802.11n; Frequency: 5220 MHz; Duty Cycle: 1:1

Medium: MSL_5G_111222 Medium parameters used: $f = 5220 \text{ MHz}$; $\sigma = 5.3 \text{ mho/m}$; $\epsilon_r = 47.5$; $\rho = 1000 \text{ kg/m}^3$

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3792; ConvF(4.22, 4.22, 4.22); Calibrated: 2011/6/20
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn778; Calibrated: 2011/11/22
- Phantom: ELI 4.0_Front; Type: QD 0VA 002 AA; Serial: TP-1131
- ; SEMCAD X Version 13.4 Build 125

Ch44/Area Scan (101x201x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.716 mW/g

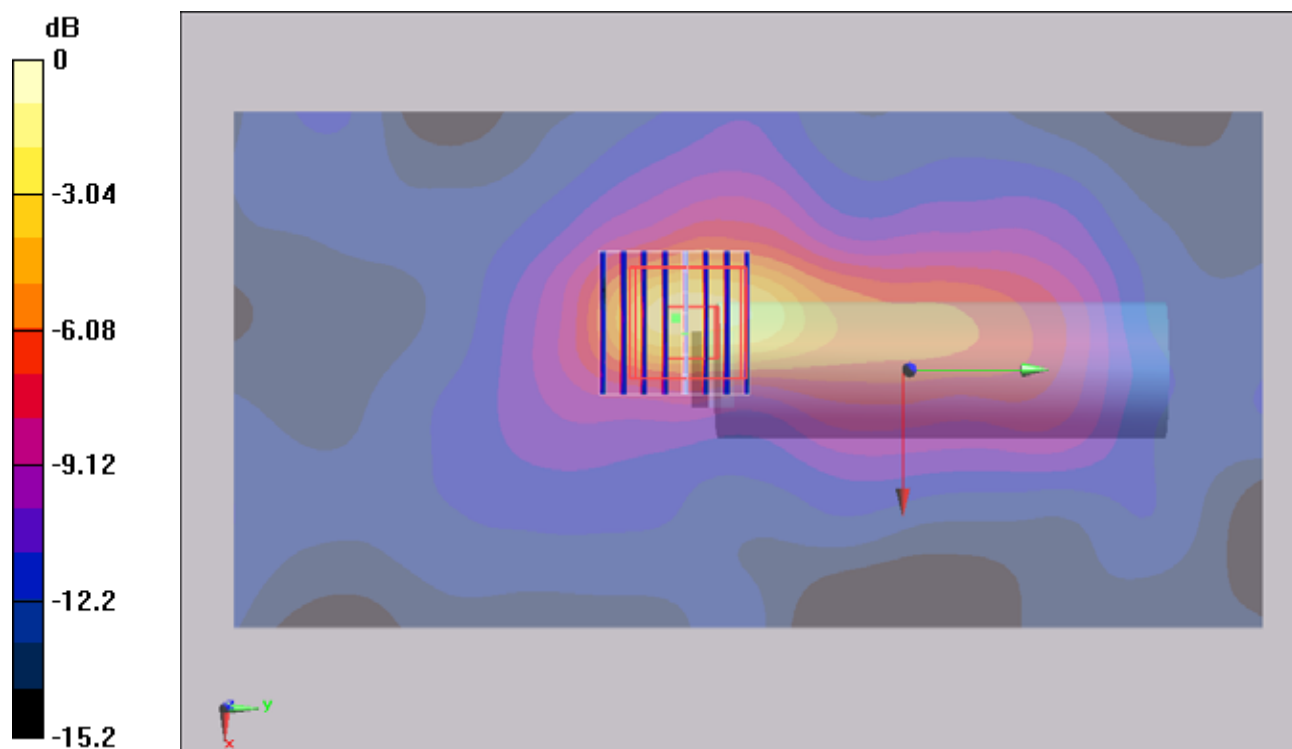
Ch44/Zoom Scan (8x8x10)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 8.25 V/m; Power Drift = -0.109 dB

Peak SAR (extrapolated) = 2.06 W/kg

SAR(1 g) = 0.539 mW/g; SAR(10 g) = 0.214 mW/g

Maximum value of SAR (measured) = 0.975 mW/g



#67 802.11n_20M_Horizontal Down_0.5cm_Ch44_Flip 90_Antenna 1

DUT: 181701

Communication System: 802.11n; Frequency: 5220 MHz; Duty Cycle: 1:1

Medium: MSL_5G_111222 Medium parameters used : $f = 5220 \text{ MHz}$; $\sigma = 5.3 \text{ mho/m}$; $\epsilon_r = 47.5$; $\rho = 1000 \text{ kg/m}^3$

Ambient Temperature : $22.5 \text{ }^\circ\text{C}$; Liquid Temperature : $21.5 \text{ }^\circ\text{C}$

DASY5 Configuration:

- Probe: EX3DV4 - SN3792; ConvF(4.22, 4.22, 4.22); Calibrated: 2011/6/20
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn778; Calibrated: 2011/11/22
- Phantom: ELI 4.0_Front; Type: QD 0VA 002 AA; Serial: TP-1131
- ; SEMCAD X Version 13.4 Build 125

Ch44/Area Scan (61x141x1): Measurement grid: $dx=10\text{mm}$, $dy=10\text{mm}$

Maximum value of SAR (interpolated) = 0.255 mW/g

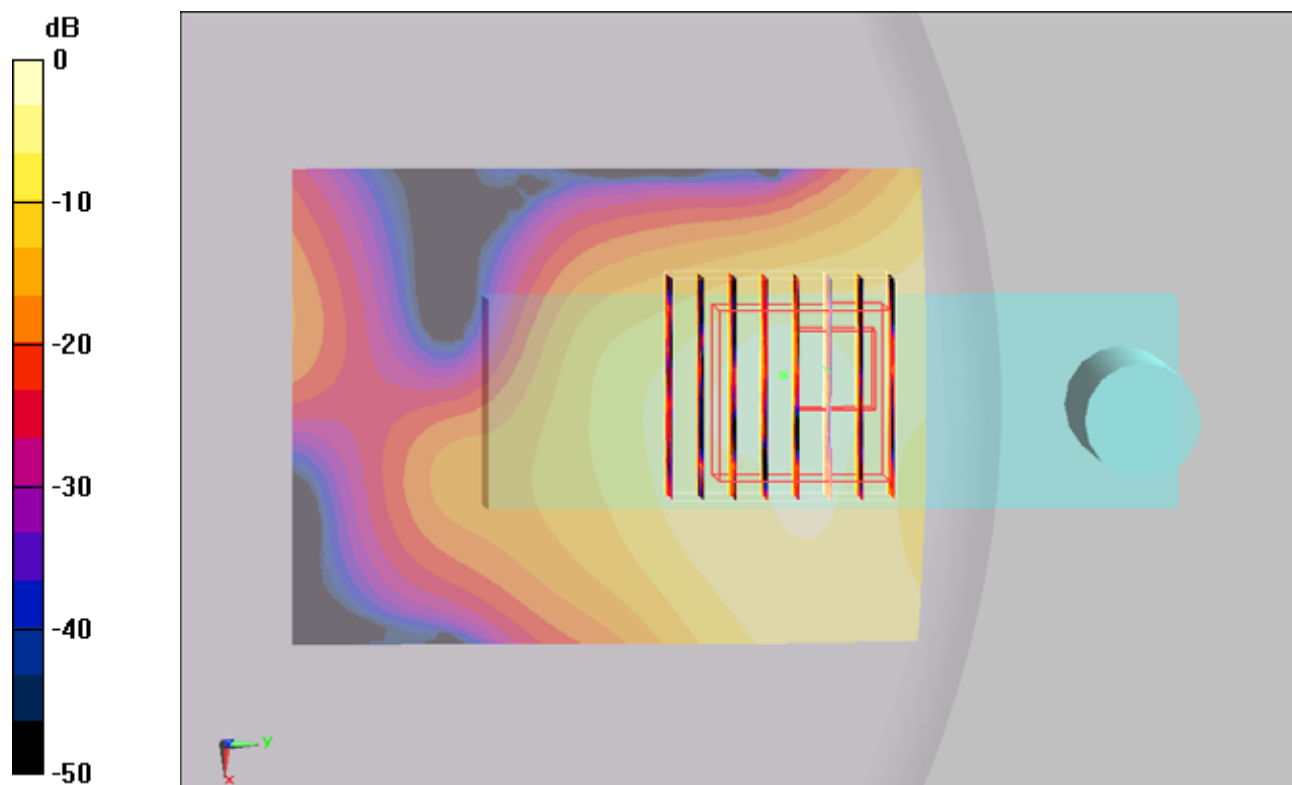
Ch44/Zoom Scan (8x8x10)/Cube 0: Measurement grid: $dx=4\text{mm}$, $dy=4\text{mm}$, $dz=2.5\text{mm}$

Reference Value = 0.759 V/m ; Power Drift = -0.10 dB

Peak SAR (extrapolated) = 0.508 W/kg

SAR(1 g) = 0.144 mW/g ; SAR(10 g) = 0.040 mW/g

Maximum value of SAR (measured) = 0.304 mW/g



#68 802.11n_20M_Horizontal Down_0.5cm_Ch44_Flip 90_Antenna 2

DUT: 181701

Communication System: 802.11n; Frequency: 5220 MHz; Duty Cycle: 1:1

Medium: MSL_5G_111222 Medium parameters used : $f = 5220 \text{ MHz}$; $\sigma = 5.3 \text{ mho/m}$; $\epsilon_r = 47.5$; $\rho = 1000 \text{ kg/m}^3$

Ambient Temperature : $22.5 \text{ }^\circ\text{C}$; Liquid Temperature : $21.5 \text{ }^\circ\text{C}$

DASY5 Configuration:

- Probe: EX3DV4 - SN3792; ConvF(4.22, 4.22, 4.22); Calibrated: 2011/6/20
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn778; Calibrated: 2011/11/22
- Phantom: ELI 4.0_Front; Type: QD 0VA 002 AA; Serial: TP-1131
- ; SEMCAD X Version 13.4 Build 125

Ch44/Area Scan (61x141x1): Measurement grid: $dx=10\text{mm}$, $dy=10\text{mm}$

Maximum value of SAR (interpolated) = 0.283 mW/g

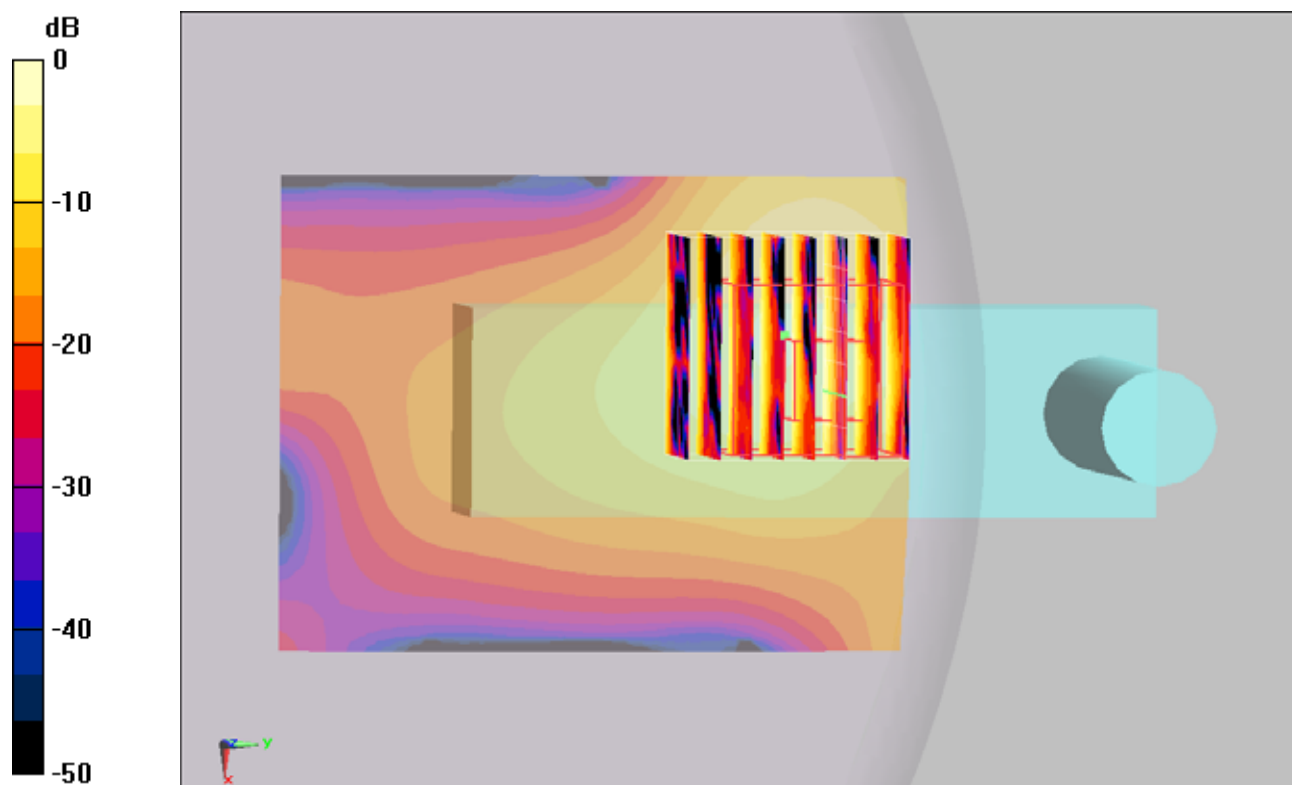
Ch44/Zoom Scan (8x8x10)/Cube 0: Measurement grid: $dx=4\text{mm}$, $dy=4\text{mm}$, $dz=2.5\text{mm}$

Reference Value = 0.647 V/m ; Power Drift = 0.167 dB

Peak SAR (extrapolated) = 0.936 W/kg

SAR(1 g) = 0.264 mW/g ; SAR(10 g) = 0.078 mW/g

Maximum value of SAR (measured) = 0.536 mW/g



0 dB = 0.536mW/g

#29 802.11n_20M_Veritical Back_0.5cm_Ch44_Flip 90_Antenna 1/2/3**DUT: 181701**

Communication System: 802.11n; Frequency: 5220 MHz; Duty Cycle: 1:1

Medium: MSL_5G_110906 Medium parameters used : $f = 5220$ MHz; $\sigma = 5.42$ mho/m; $\epsilon_r = 48.672$; $\rho = 1000$ kg/m³

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3578; ConvF(3.74, 3.74, 3.74); Calibrated: 2011/6/21
- Sensor-Surface: 4mm (Mechanical Surface Detection), Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn577; Calibrated: 2011/1/13
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP1127
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.5 (3634)

Ch44/Area Scan (101x201x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.224 mW/g

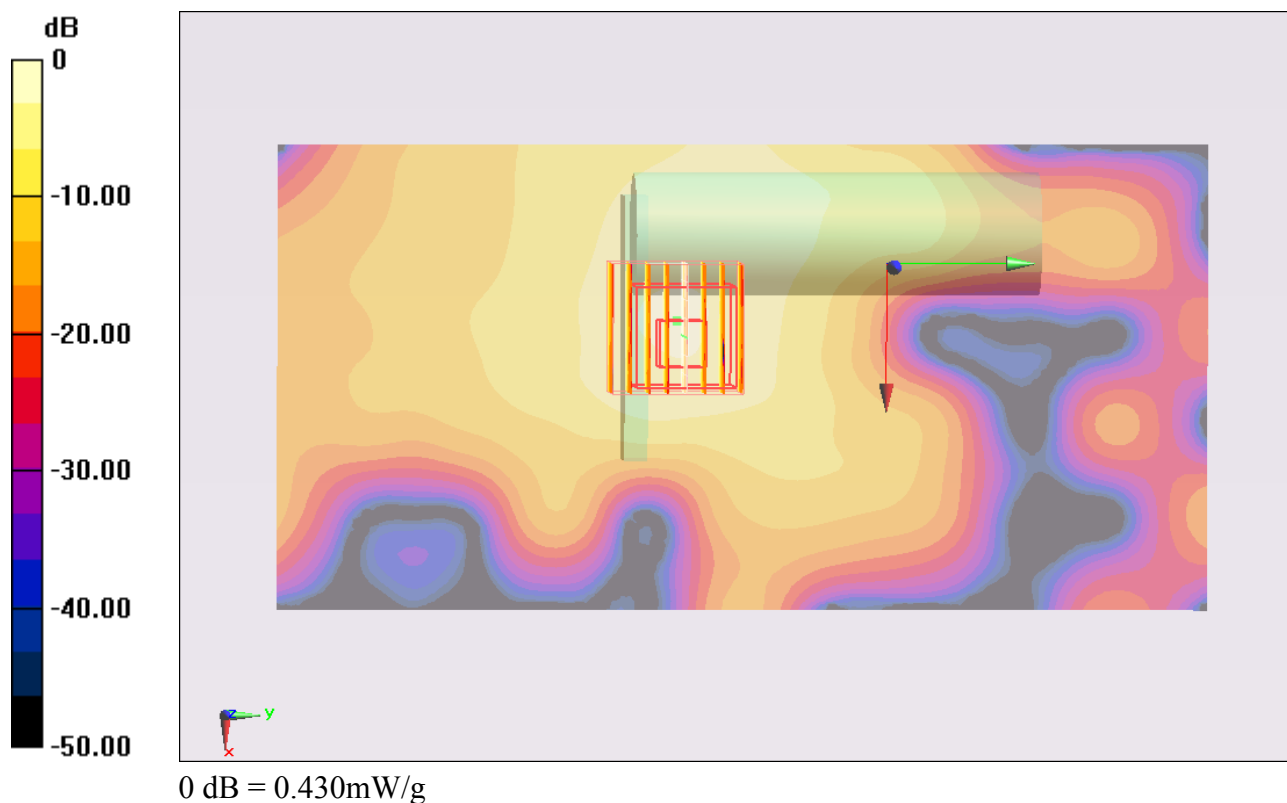
Ch44/Zoom Scan (8x8x10)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 4.148 V/m; Power Drift = 0.131 dB

Peak SAR (extrapolated) = 0.778 W/kg

SAR(1 g) = 0.233 mW/g; SAR(10 g) = 0.096 mW/g

Maximum value of SAR (measured) = 0.426 mW/g



#55 802.11n_20M_Veritical Front_0.5cm_Ch44_Flip 90_Antenna 1/2/3**DUT: 181701**

Communication System: 802.11n; Frequency: 5220 MHz; Duty Cycle: 1:1

Medium: MSL_5G_110908 Medium parameters used : $f = 5220$ MHz; $\sigma = 5.319$ mho/m; $\epsilon_r = 48.728$; $\rho = 1000$ kg/m³

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3792; ConvF(4.22, 4.22, 4.22); Calibrated: 2011/6/20
- Sensor-Surface: 4mm (Mechanical Surface Detection), Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn577; Calibrated: 2011/1/13
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP1127
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.5 (3634)

Ch44/Area Scan (101x201x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.751 mW/g

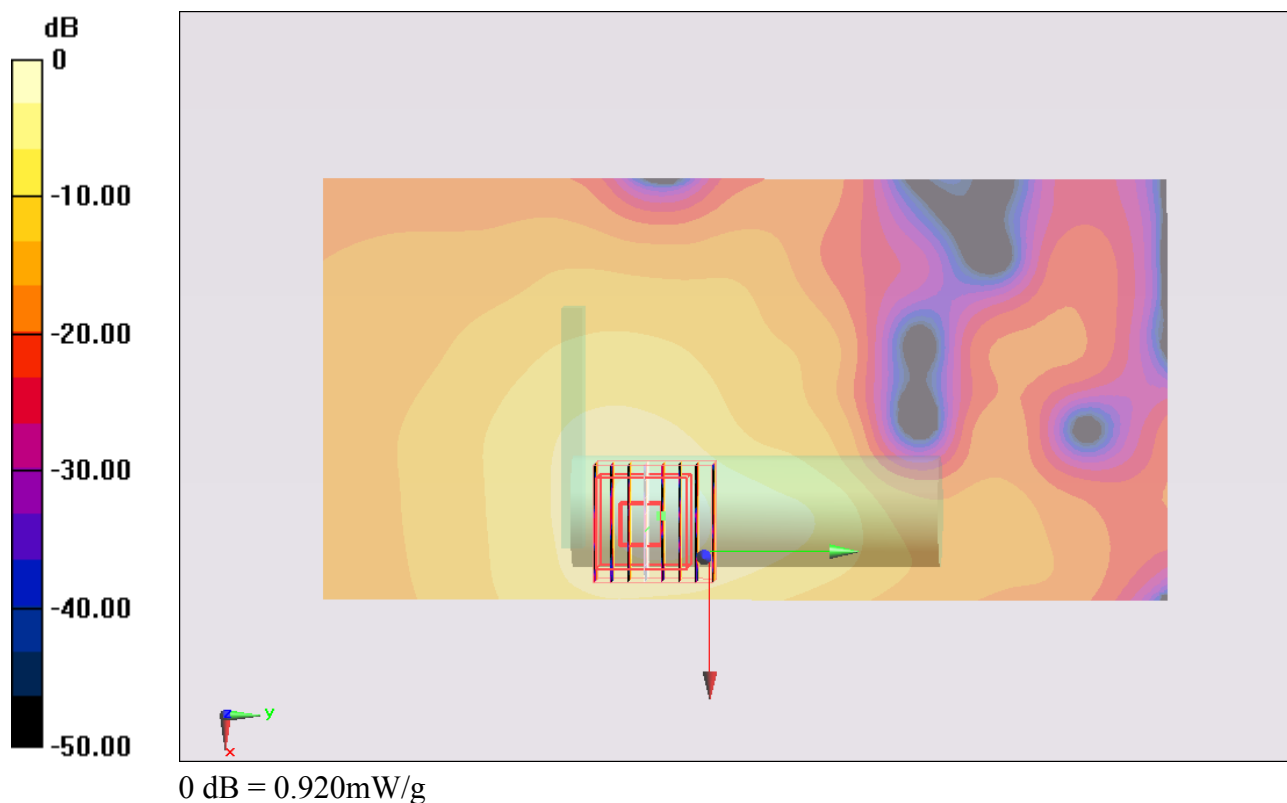
Ch44/Zoom Scan (8x8x10)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 8.564 V/m; Power Drift = -0.138 dB

Peak SAR (extrapolated) = 1.826 W/kg

SAR(1 g) = 0.456 mW/g; SAR(10 g) = 0.137 mW/g

Maximum value of SAR (measured) = 0.921 mW/g



#33 802.11n_20M_Horizontal Down_Flip Front_0.5cm_Ch44_Flip 90_Antenna 3**DUT: 181701**

Communication System: 802.11n; Frequency: 5220 MHz; Duty Cycle: 1:1

Medium: MSL_5G_110906 Medium parameters used : $f = 5220$ MHz; $\sigma = 5.42$ mho/m; $\epsilon_r = 48.672$; $\rho = 1000$ kg/m³

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3578; ConvF(3.74, 3.74, 3.74); Calibrated: 2011/6/21
- Sensor-Surface: 4mm (Mechanical Surface Detection), Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn577; Calibrated: 2011/1/13
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP1127
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.5 (3634)

Ch44/Area Scan (101x141x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.276 mW/g

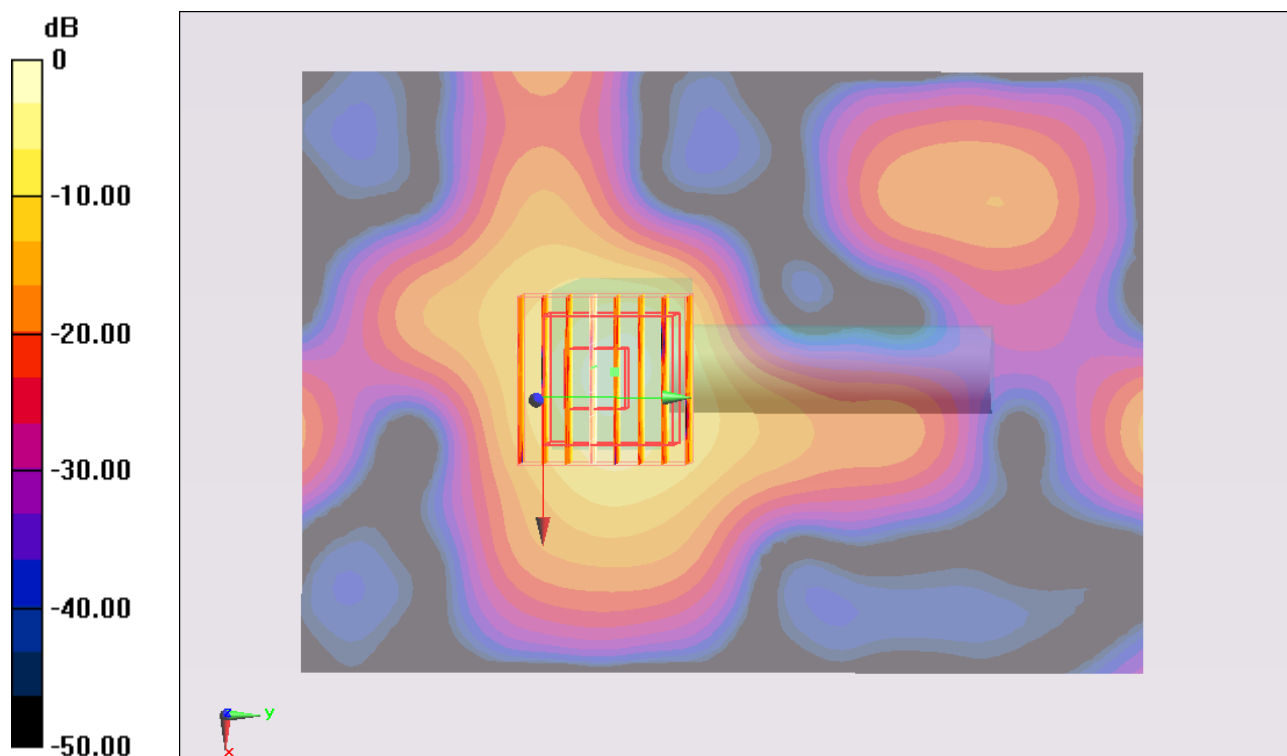
Ch44/Zoom Scan (8x8x10)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 6.356 V/m; Power Drift = 0.037 dB

Peak SAR (extrapolated) = 0.711 W/kg

SAR(1 g) = 0.203 mW/g; SAR(10 g) = 0.070 mW/g

Maximum value of SAR (measured) = 0.393 mW/g



#66 802.11n_20M_Horizontal Down_Flip Back_0.5cm_Ch44_Flip 90_Antenna 3

DUT: 181701

Communication System: 802.11n; Frequency: 5220 MHz; Duty Cycle: 1:1

Medium: MSL_5G_111222 Medium parameters used : $f = 5220 \text{ MHz}$; $\sigma = 5.3 \text{ mho/m}$; $\epsilon_r = 47.5$; $\rho = 1000 \text{ kg/m}^3$

Ambient Temperature : $22.5 \text{ }^\circ\text{C}$; Liquid Temperature : $21.5 \text{ }^\circ\text{C}$

DASY5 Configuration:

- Probe: EX3DV4 - SN3792; ConvF(4.22, 4.22, 4.22); Calibrated: 2011/6/20
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn778; Calibrated: 2011/11/22
- Phantom: ELI 4.0_Front; Type: QD 0VA 002 AA; Serial: TP-1131
- ; SEMCAD X Version 13.4 Build 125

Ch44/Area Scan (61x141x1): Measurement grid: $dx=10\text{mm}$, $dy=10\text{mm}$

Maximum value of SAR (interpolated) = 0.530 mW/g

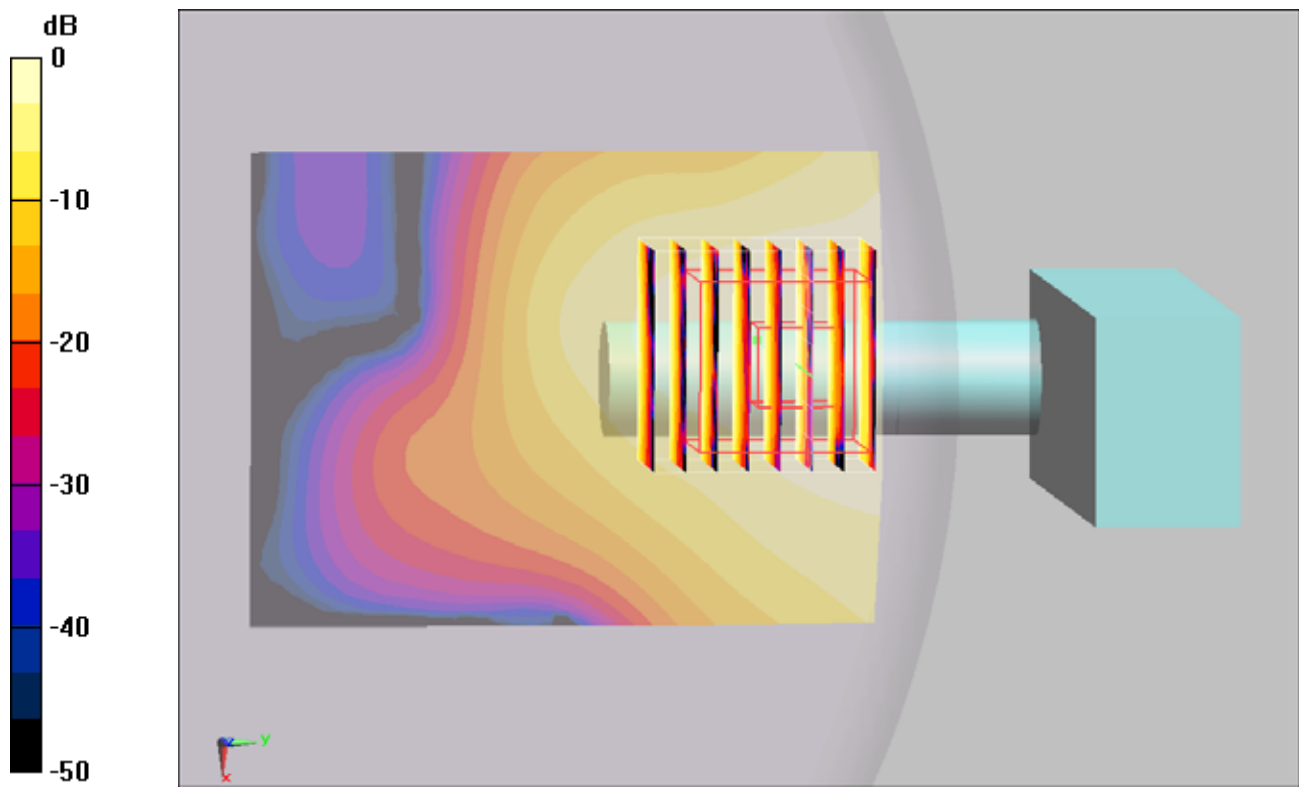
Ch44/Zoom Scan (8x8x10)/Cube 0: Measurement grid: $dx=4\text{mm}$, $dy=4\text{mm}$, $dz=2.5\text{mm}$

Reference Value = 0.527 V/m ; Power Drift = 0.187 dB

Peak SAR (extrapolated) = 0.850 W/kg

SAR(1 g) = 0.274 mW/g ; SAR(10 g) = 0.110 mW/g

Maximum value of SAR (measured) = 0.490 mW/g



0 dB = 0.490mW/g

#35 802.11n_20M_Horizontal Up_0.5cm_Ch149_Antenna 1/2/3**DUT: 181701**

Communication System: 802.11n; Frequency: 5745 MHz; Duty Cycle: 1:1

Medium: MSL_5G_110906 Medium parameters used : $f = 5745$ MHz; $\sigma = 6.052$ mho/m; $\epsilon_r = 47.482$; $\rho = 1000$ kg/m³

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3578; ConvF(3.23, 3.23, 3.23); Calibrated: 2011/6/21
- Sensor-Surface: 4mm (Mechanical Surface Detection), Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn577; Calibrated: 2011/1/13
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP1127
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.5 (3634)

Ch149/Area Scan (61x121x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.047 mW/g

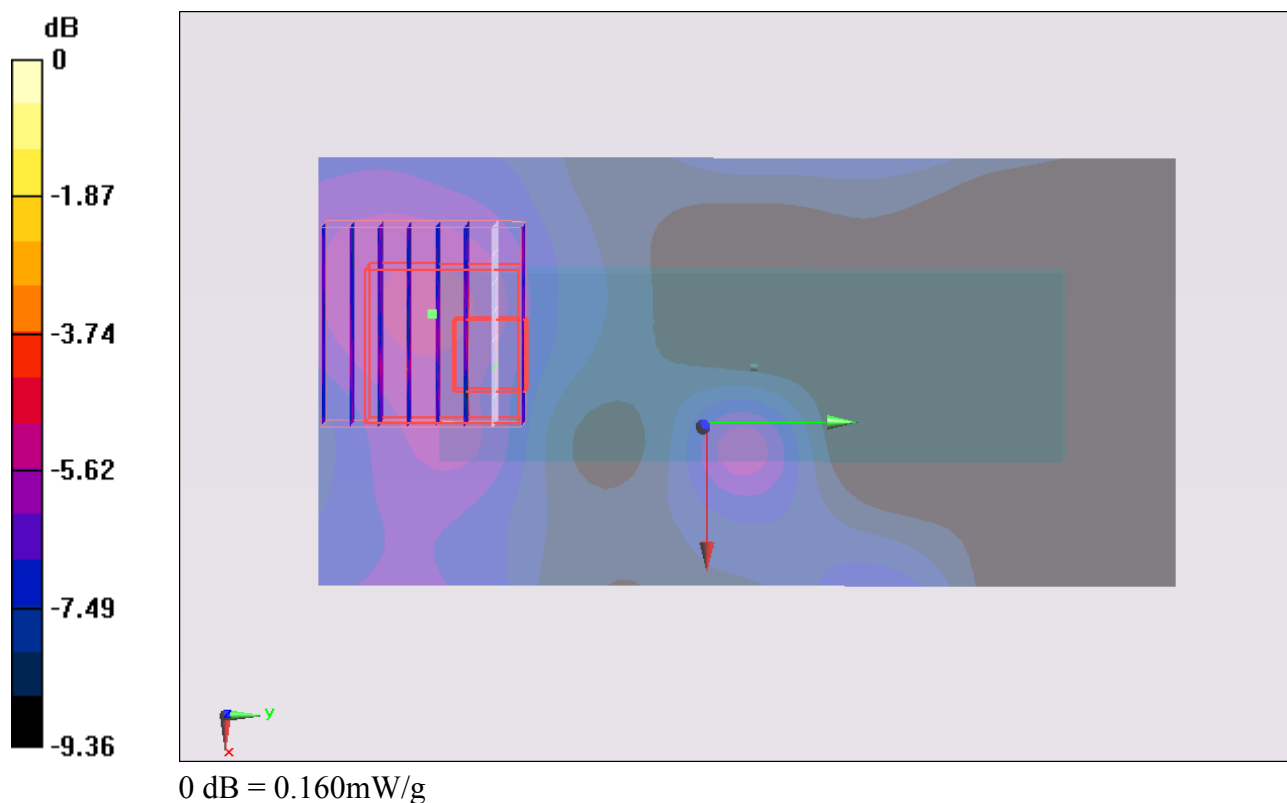
Ch149/Zoom Scan (8x8x10)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 2.039 V/m; Power Drift = 0.138 dB

Peak SAR (extrapolated) = 0.505 W/kg

SAR(1 g) = 0.094 mW/g; SAR(10 g) = 0.046 mW/g

Maximum value of SAR (measured) = 0.162 mW/g



#50 802.11n_20M_Horizontal Down_0.5cm_Ch149_Antenna 1/2/3**DUT: 181701**

Communication System: 802.11n; Frequency: 5745 MHz; Duty Cycle: 1:1

Medium: MSL_5G_110908 Medium parameters used : $f = 5745$ MHz; $\sigma = 6.062$ mho/m; $\epsilon_r = 47.59$; $\rho = 1000$ kg/m³

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3792; ConvF(3.78, 3.78, 3.78); Calibrated: 2011/6/20
- Sensor-Surface: 4mm (Mechanical Surface Detection), Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn577; Calibrated: 2011/1/13
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP1127
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.5 (3634)

Ch149/Area Scan (81x121x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.032 mW/g

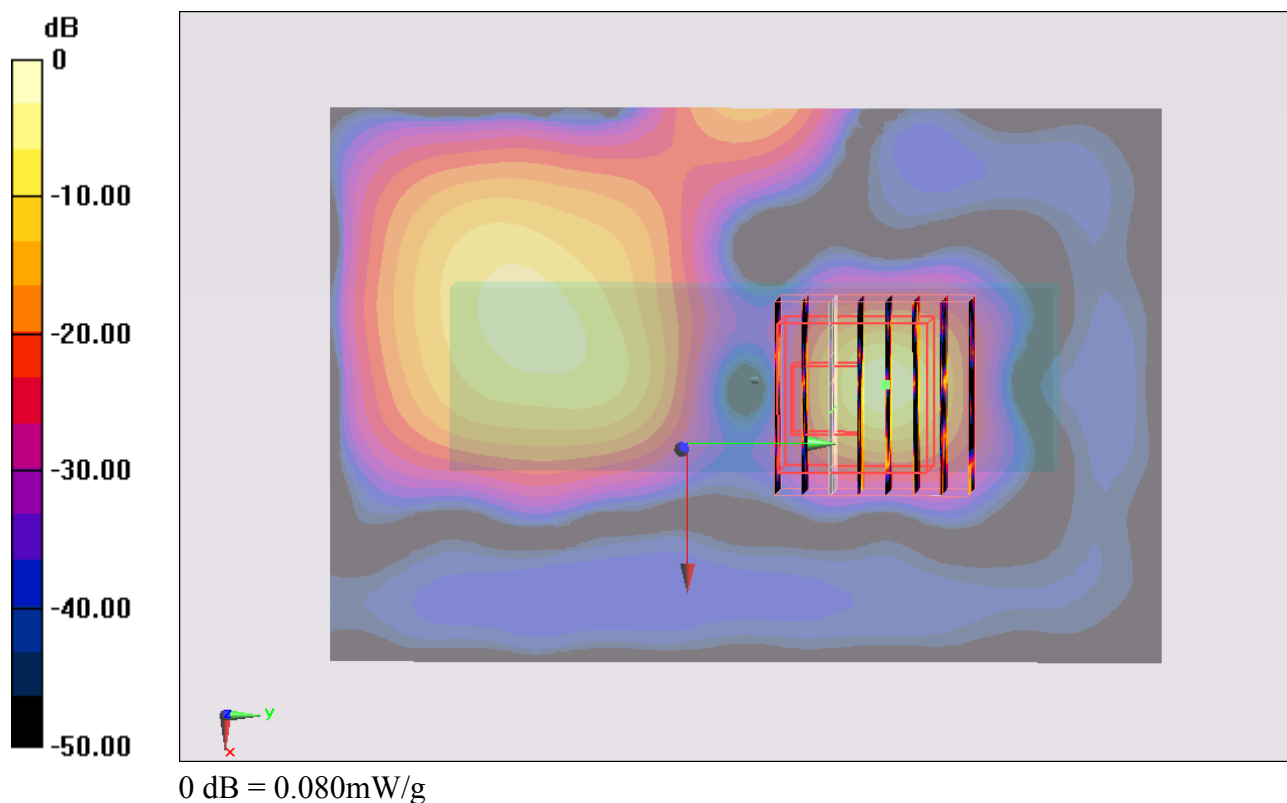
Ch149/Zoom Scan (8x8x10)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 1.842 V/m; Power Drift = -0.128 dB

Peak SAR (extrapolated) = 0.197 W/kg

SAR(1 g) = 0.033 mW/g; SAR(10 g) = 0.00887 mW/g

Maximum value of SAR (measured) = 0.079 mW/g



#39 802.11n_20M_Veritical Back_0.5cm_Ch149_Antenna 1/2/3**DUT: 181701**

Communication System: 802.11n; Frequency: 5745 MHz; Duty Cycle: 1:1

Medium: MSL_5G_110906 Medium parameters used : $f = 5745$ MHz; $\sigma = 6.052$ mho/m; $\epsilon_r = 47.482$; $\rho = 1000$ kg/m³

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3578; ConvF(3.23, 3.23, 3.23); Calibrated: 2011/6/21
- Sensor-Surface: 4mm (Mechanical Surface Detection), Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn577; Calibrated: 2011/1/13
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP1127
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.5 (3634)

Ch149/Area Scan (101x201x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.022 mW/g

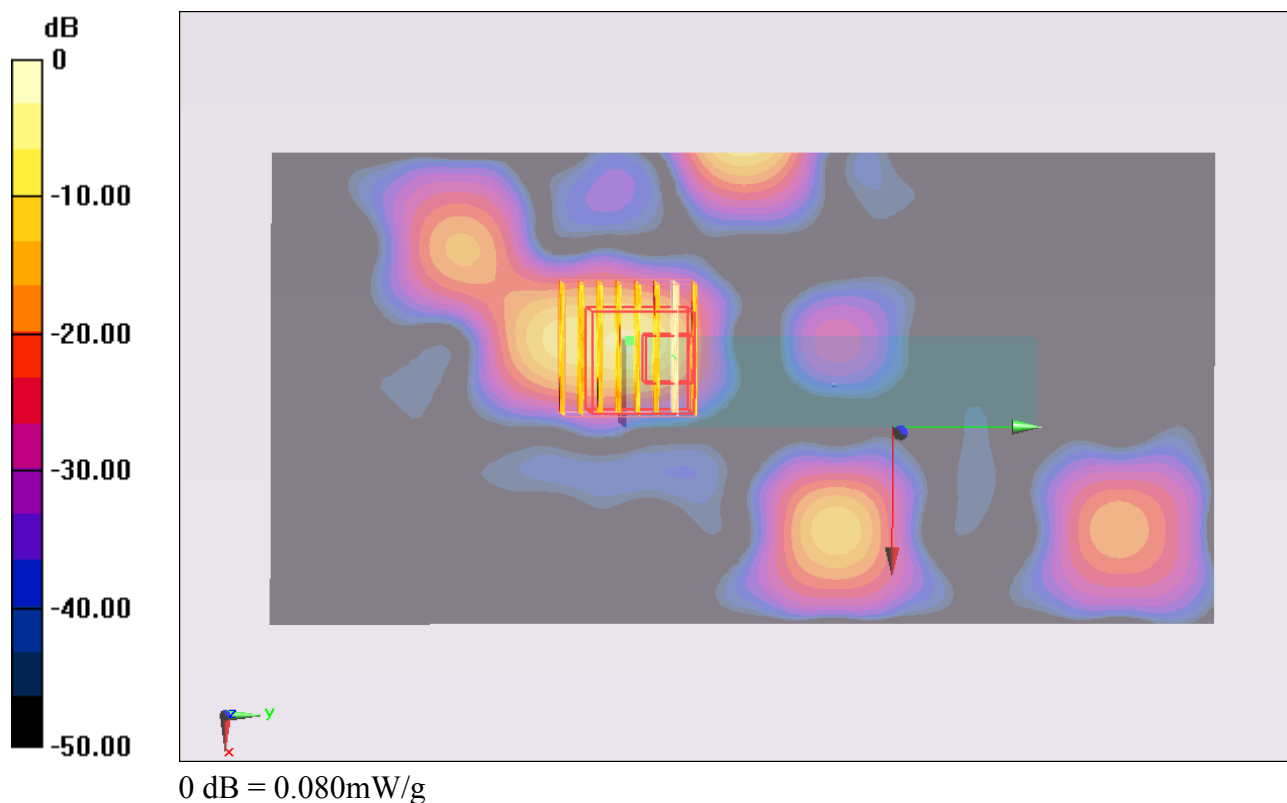
Ch149/Zoom Scan (8x8x10)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 0.507 V/m; Power Drift = 0.115 dB

Peak SAR (extrapolated) = 0.457 W/kg

SAR(1 g) = 0.042 mW/g; SAR(10 g) = 0.011 mW/g

Maximum value of SAR (measured) = 0.084 mW/g



#52 802.11n_20M_Vertical Front_0.5cm_Ch149_Antenna 1/2/3**DUT: 181701**

Communication System: 802.11n; Frequency: 5745 MHz; Duty Cycle: 1:1

Medium: MSL_5G_110908 Medium parameters used : $f = 5745$ MHz; $\sigma = 6.062$ mho/m; $\epsilon_r = 47.59$; $\rho = 1000$ kg/m³

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3792; ConvF(3.78, 3.78, 3.78); Calibrated: 2011/6/20
- Sensor-Surface: 4mm (Mechanical Surface Detection), Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn577; Calibrated: 2011/1/13
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP1127
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.5 (3634)

Ch149/Area Scan (101x141x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.025 mW/g

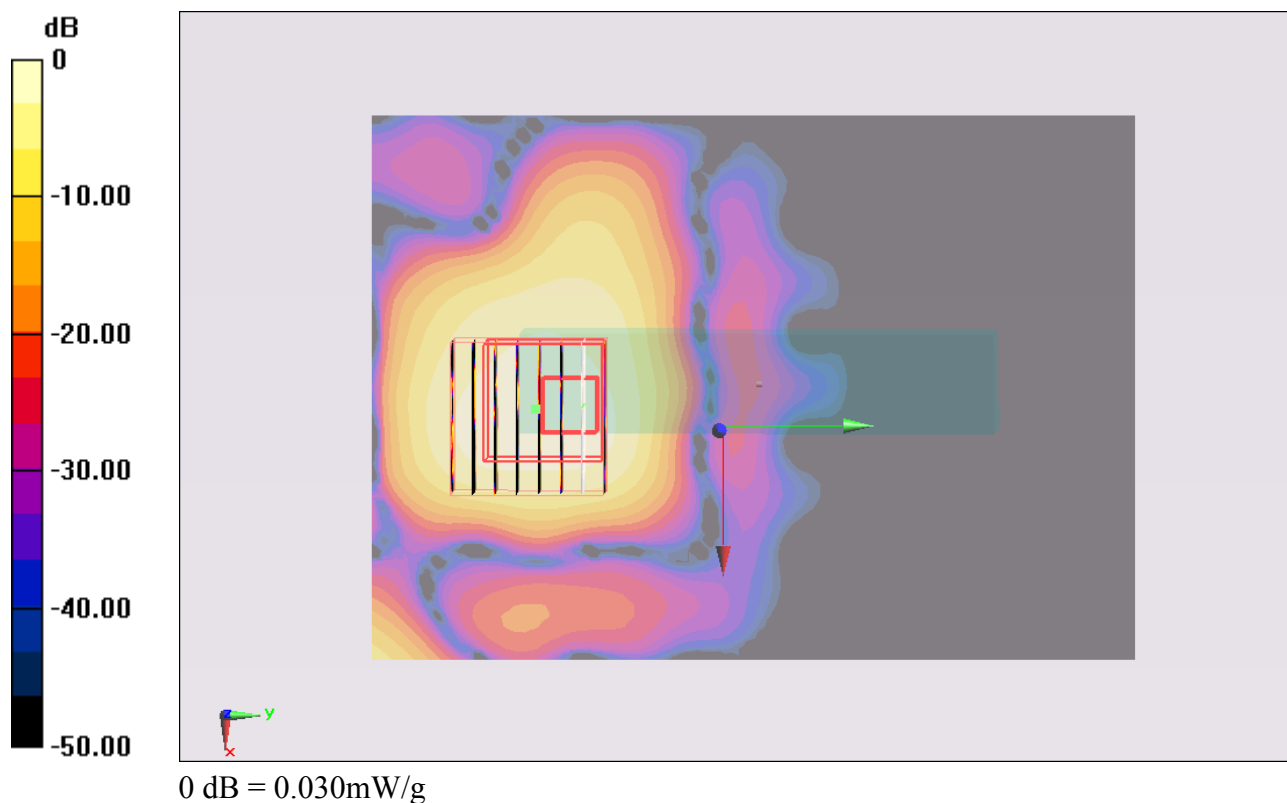
Ch149/Zoom Scan (8x8x10)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 1.650 V/m; Power Drift = -0.136 dB

Peak SAR (extrapolated) = 0.172 W/kg

SAR(1 g) = 0.014 mW/g; SAR(10 g) = 0.00323 mW/g

Maximum value of SAR (measured) = 0.030 mW/g



#43 802.11n_20M_Tip Mode_0.5cm_Ch149_Antenna 1/2/3**DUT: 181701**

Communication System: 802.11n; Frequency: 5745 MHz; Duty Cycle: 1:1

Medium: MSL_5G_110906 Medium parameters used : $f = 5745$ MHz; $\sigma = 6.052$ mho/m; $\epsilon_r = 47.482$; $\rho = 1000$ kg/m³

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3578; ConvF(3.23, 3.23, 3.23); Calibrated: 2011/6/21
- Sensor-Surface: 4mm (Mechanical Surface Detection), Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn577; Calibrated: 2011/1/13
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP1127
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.5 (3634)

Ch149/Area Scan (101x101x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.073 mW/g

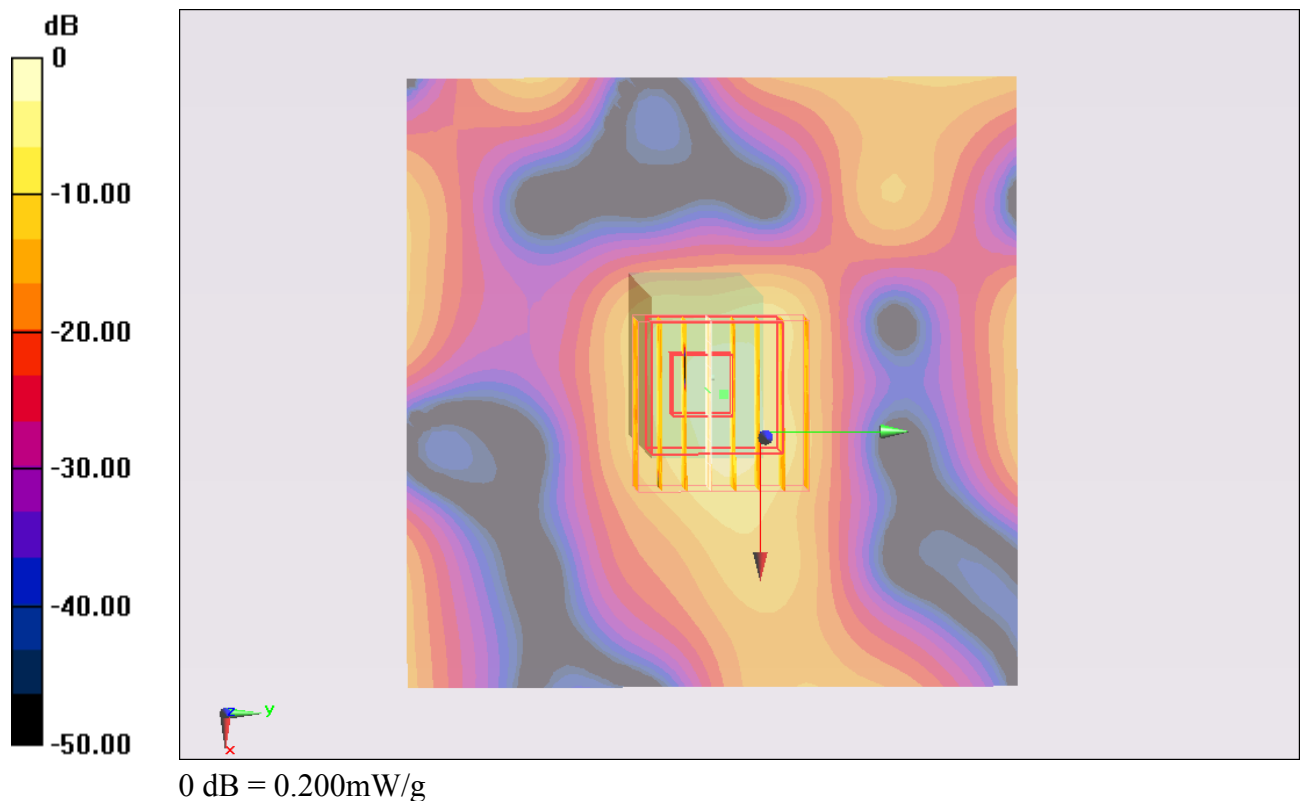
Ch149/Zoom Scan (8x8x10)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 4.043 V/m; Power Drift = 0.162 dB

Peak SAR (extrapolated) = 0.402 W/kg

SAR(1 g) = 0.093 mW/g; SAR(10 g) = 0.037 mW/g

Maximum value of SAR (measured) = 0.203 mW/g



#75 802.11n_20M_Horizontal UP_0.5cm_Ch149_Flip 180_Antenna 1/2/3

DUT: 181701

Communication System: 802.11n; Frequency: 5745 MHz; Duty Cycle: 1:1

Medium: MSL_5G_120101 Medium parameters used : $f = 5745 \text{ MHz}$; $\sigma = 6.08 \text{ mho/m}$; $\epsilon_r = 46.7$; $\rho = 1000 \text{ kg/m}^3$

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3792; ConvF(3.78, 3.78, 3.78); Calibrated: 2011/6/20
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn778; Calibrated: 2011/11/22
- Phantom: ELI 4.0; Type: QDOVA001BA; Serial: 1029
- ; SEMCAD X Version 13.4 Build 125

Ch149/Area Scan (101x201x1): Measurement grid: $dx=10\text{mm}$, $dy=10\text{mm}$

Maximum value of SAR (interpolated) = 0.088 mW/g

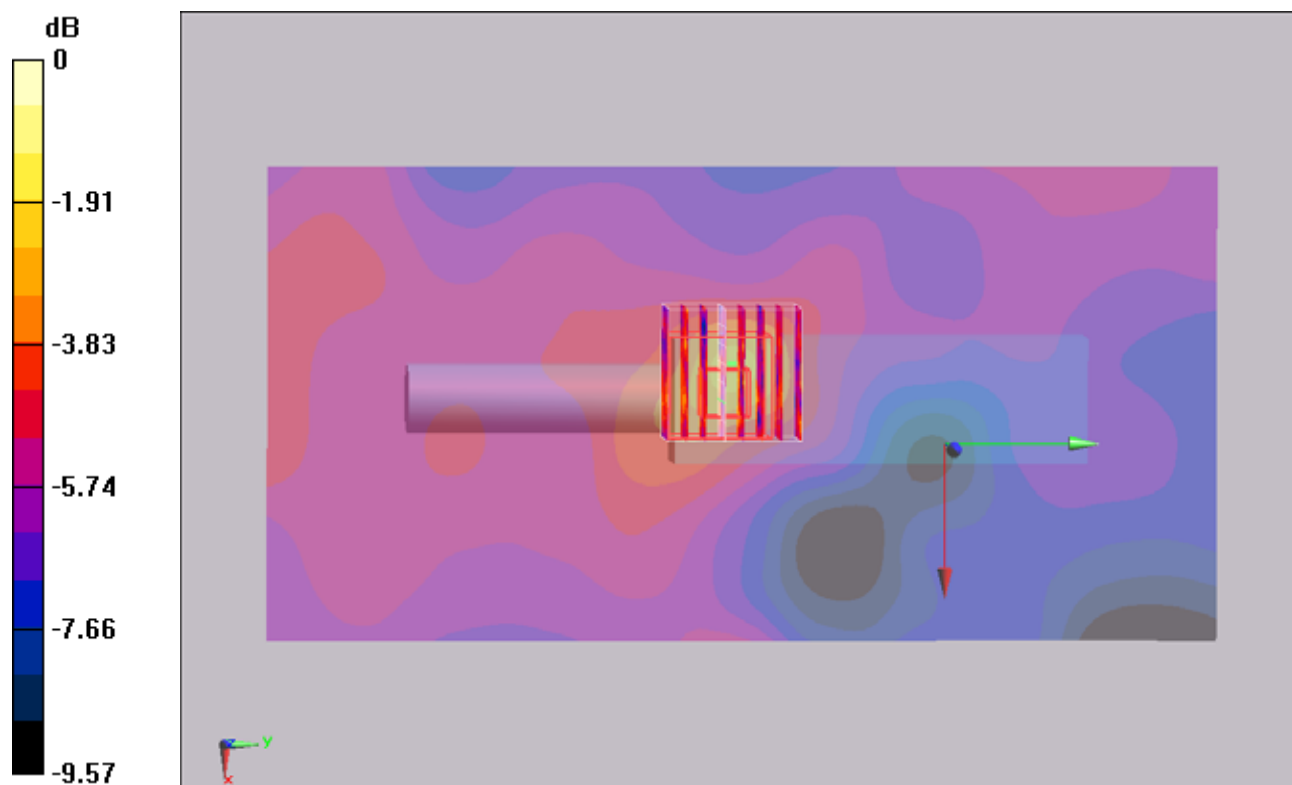
Ch149/Zoom Scan (8x8x10)/Cube 0: Measurement grid: $dx=4\text{mm}$, $dy=4\text{mm}$, $dz=2.5\text{mm}$

Reference Value = 2.22 V/m ; Power Drift = 0.096 dB

Peak SAR (extrapolated) = 0.459 W/kg

SAR(1 g) = 0.094 mW/g ; SAR(10 g) = 0.057 mW/g

Maximum value of SAR (measured) = 0.148 mW/g



0 dB = 0.148mW/g

#78 802.11n_20M_Horizontal Down_0.5cm_Ch149_Flip 180_Antenna 1/2/3

DUT: 181701

Communication System: 802.11n; Frequency: 5745 MHz; Duty Cycle: 1:1

Medium: MSL_5G_120101 Medium parameters used: $f = 5745 \text{ MHz}$; $\sigma = 6.08 \text{ mho/m}$; $\epsilon_r = 46.7$; $\rho = 1000 \text{ kg/m}^3$

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3792; ConvF(3.78, 3.78, 3.78); Calibrated: 2011/6/20
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn778; Calibrated: 2011/11/22
- Phantom: ELI 4.0_Front; Type: QD 0VA 002 AA; Serial: TP-1131
- Software: DASY5 Version; SEMCAD X Version 13.4 Build 125

Ch149/Area Scan (101x201x1): Measurement grid: $dx=10\text{mm}$, $dy=10\text{mm}$

Maximum value of SAR (interpolated) = 0.167 mW/g

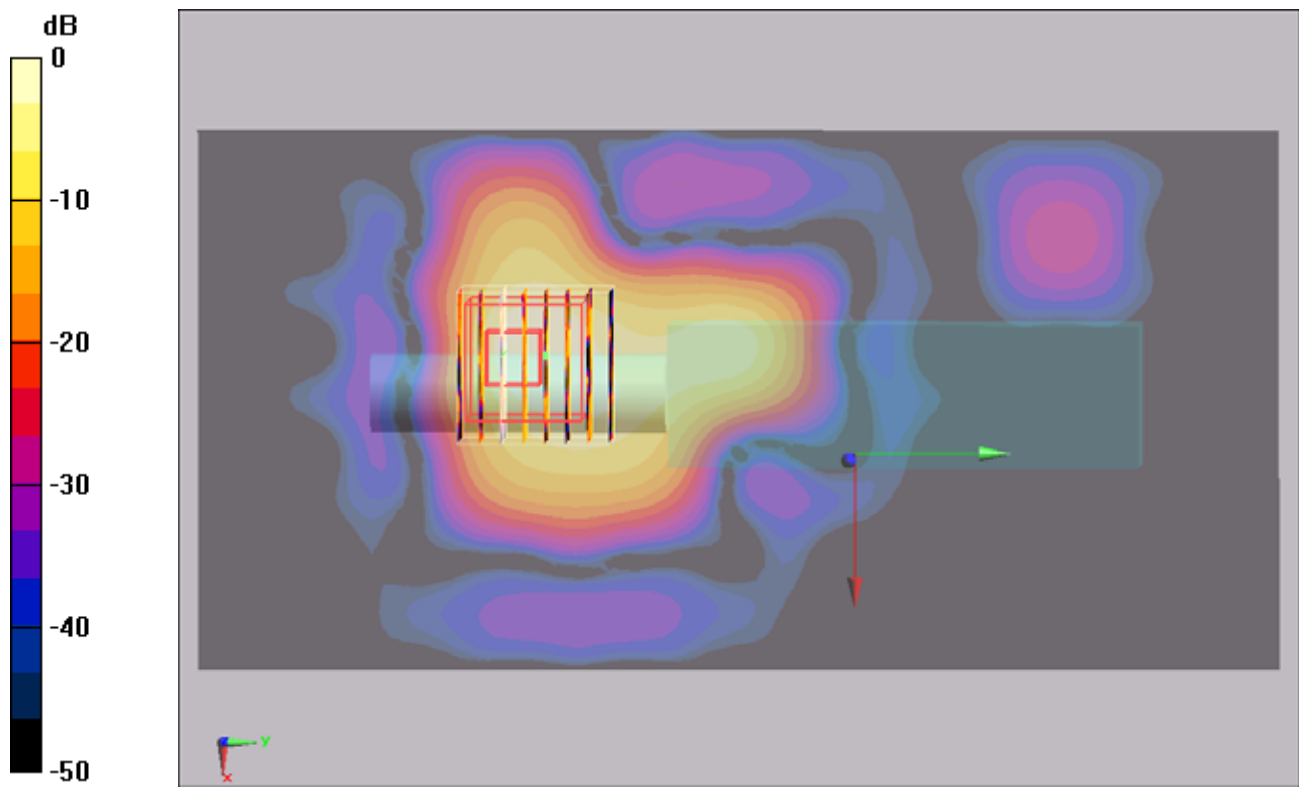
Ch149/Zoom Scan (8x8x10)/Cube 0: Measurement grid: $dx=4\text{mm}$, $dy=4\text{mm}$, $dz=2.5\text{mm}$

Reference Value = 1.22 V/m; Power Drift = -0.179 dB

Peak SAR (extrapolated) = 0.153 W/kg

SAR(1 g) = 0.040 mW/g; SAR(10 g) = 0.011 mW/g

Maximum value of SAR (measured) = 0.099 mW/g



0 dB = 0.099mW/g

#76 802.11n_20M_Veritical Back_0.5cm_Ch149_Flip 180 _Antenna 1/2/3

DUT: 181701

Communication System: 802.11n; Frequency: 5745 MHz; Duty Cycle: 1:1

Medium: MSL_5G_120101 Medium parameters used : $f = 5745 \text{ MHz}$; $\sigma = 6.08 \text{ mho/m}$; $\epsilon_r = 46.7$; $\rho = 1000 \text{ kg/m}^3$

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3792; ConvF(3.78, 3.78, 3.78); Calibrated: 2011/6/20
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn778; Calibrated: 2011/11/22
- Phantom: ELI 4.0; Type: QDOVA001BA; Serial: 1029
- ; SEMCAD X Version 13.4 Build 125

Ch149/Area Scan (101x201x1): Measurement grid: $dx=10\text{mm}$, $dy=10\text{mm}$

Maximum value of SAR (interpolated) = 0.026 mW/g

Ch149/Zoom Scan (8x8x10)/Cube 0: Measurement grid: $dx=4\text{mm}$, $dy=4\text{mm}$, $dz=2.5\text{mm}$

Reference Value = 0.550 V/m ; Power Drift = -0.10 dB

Peak SAR (extrapolated) = 0.222 W/kg

SAR(1 g) = 0.013 mW/g ; SAR(10 g) = 0.00281 mW/g

Maximum value of SAR (measured) = 0.043 mW/g

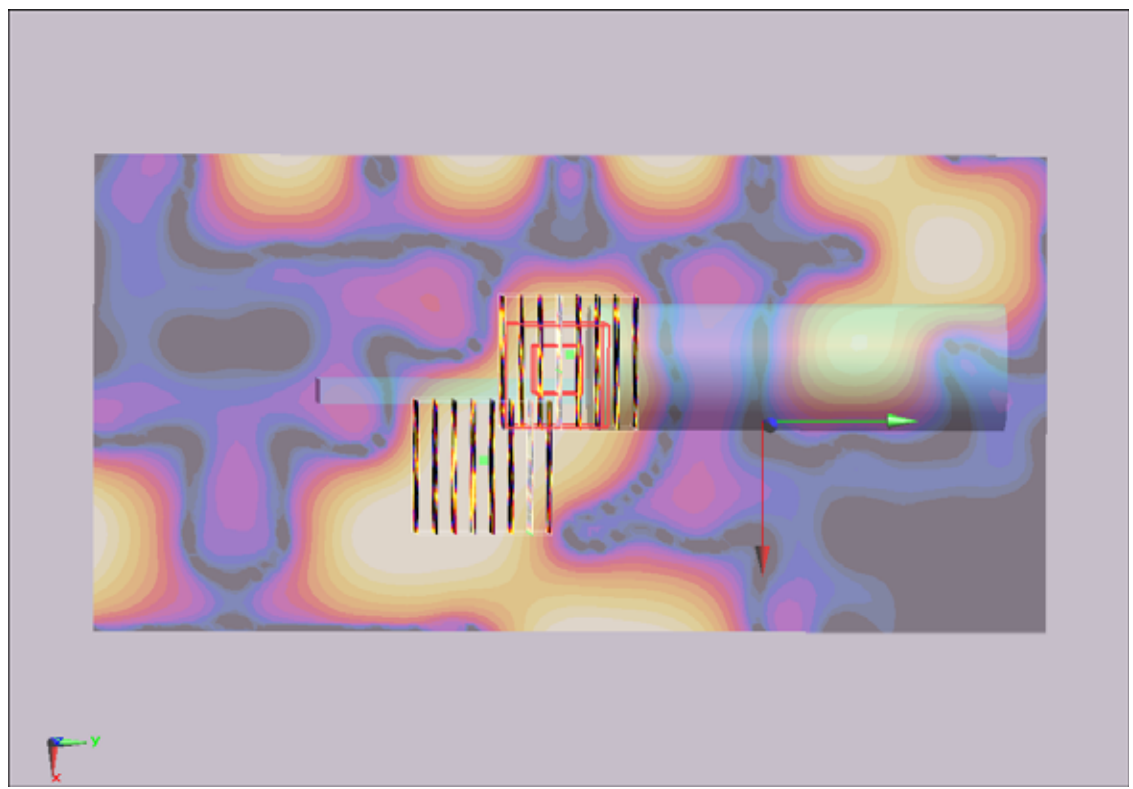
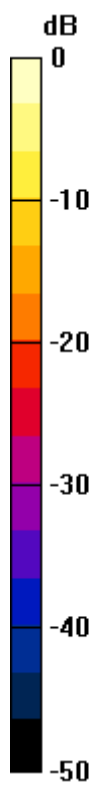
Ch149/Zoom Scan (8x8x10)/Cube 1: Measurement grid: $dx=4\text{mm}$, $dy=4\text{mm}$, $dz=2.5\text{mm}$

Reference Value = 0.550 V/m ; Power Drift = -0.10 dB

Peak SAR (extrapolated) = 0 W/kg

SAR(1 g) = n.a. ; SAR(10 g) = n.a.

Maximum value of SAR (measured) = 0.00806 mW/g



0 dB = 0.00806mW/g

#77 802.11n_20M_Veritical Front_0.5cm_Ch149_Flip 180_Antenna 1/2/3

DUT: 181701

Communication System: 802.11n; Frequency: 5745 MHz; Duty Cycle: 1:1

Medium: MSL_5G_120101 Medium parameters used : $f = 5745 \text{ MHz}$; $\sigma = 6.08 \text{ mho/m}$; $\epsilon_r = 46.7$; $\rho = 1000 \text{ kg/m}^3$

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3792; ConvF(3.78, 3.78, 3.78); Calibrated: 2011/6/20
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn778; Calibrated: 2011/11/22
- Phantom: ELI 4.0; Type: QDOVA001BA; Serial: 1029
- ; SEMCAD X Version 13.4 Build 125

Ch149/Area Scan (101x201x1): Measurement grid: $dx=10\text{mm}$, $dy=10\text{mm}$

Maximum value of SAR (interpolated) = 0.060 mW/g

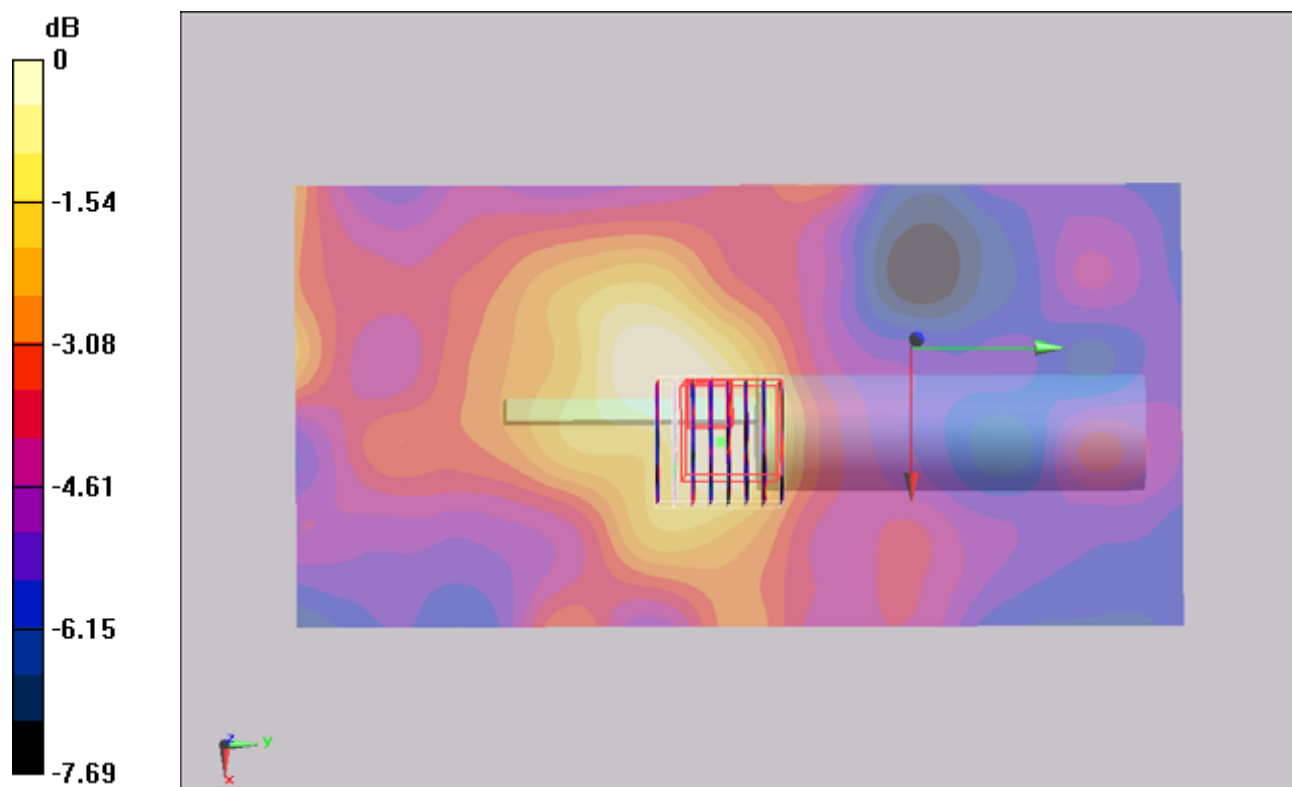
Ch149/Zoom Scan (8x8x10)/Cube 0: Measurement grid: $dx=4\text{mm}$, $dy=4\text{mm}$, $dz=2.5\text{mm}$

Reference Value = 2.7 V/m ; Power Drift = -0.138 dB

Peak SAR (extrapolated) = 0.090 W/kg

SAR(1 g) = 0.019 mW/g ; SAR(10 g) = 0.012 mW/g

Maximum value of SAR (measured) = 0.048 mW/g



#81 802.11n_20M_Tip Mode_0.5cm_Ch149_Flip180 _Antenna 1/2/3**DUT: 181701**

Communication System: 802.11n; Frequency: 5745 MHz; Duty Cycle: 1:1

Medium: MSL_5G_120112 Medium parameters used : $f = 5745$ MHz; $\sigma = 6.16$ mho/m; $\epsilon_r = 47.3$; $\rho = 1000$ kg/m³

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

DASY4 Configuration:

- Probe: EX3DV4 - SN3792; ConvF(3.78, 3.78, 3.78); Calibrated: 2011/6/20
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn778; Calibrated: 2011/11/22
- Phantom: ELI 4.0_Front; Type: QDOVA001BB; Serial: 1026
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Ch149/Area Scan (141x101x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.012 mW/g

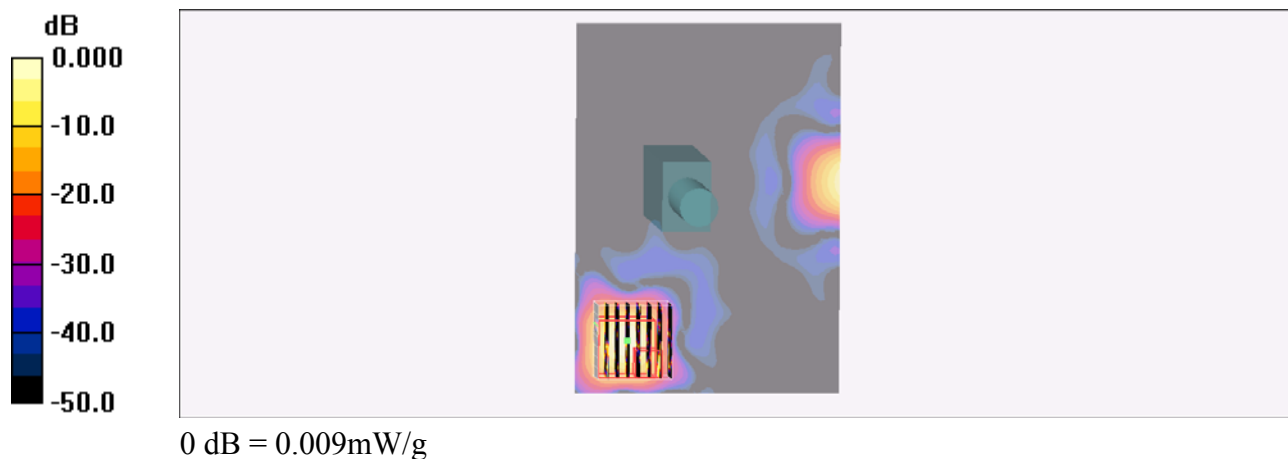
Ch149/Zoom Scan (8x8x10)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 0.000 V/m; Power Drift = 0.000 dB

Peak SAR (extrapolated) = 0.020 W/kg

SAR(1 g) = 0.000354 mW/g; SAR(10 g) = 4.24e-005 mW/g

Maximum value of SAR (measured) = 0.009 mW/g



#64 802.11n_20M_Horizontal UP_0.5cm_Ch149_Flip 90_Antenna 1

DUT: 181701

Communication System: 802.11n; Frequency: 5745 MHz; Duty Cycle: 1:1

Medium: MSL_5G_111222 Medium parameters used: $f = 5745 \text{ MHz}$; $\sigma = 6.11 \text{ mho/m}$; $\epsilon_r = 46.7$; $\rho = 1000 \text{ kg/m}^3$

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3792; ConvF(3.78, 3.78, 3.78); Calibrated: 2011/6/20
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn778; Calibrated: 2011/11/22
- Phantom: ELI 4.0_Front; Type: QD 0VA 002 AA; Serial: TP-1131
- ; SEMCAD X Version 13.4 Build 125

Ch149/Area Scan (101x201x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.163 mW/g

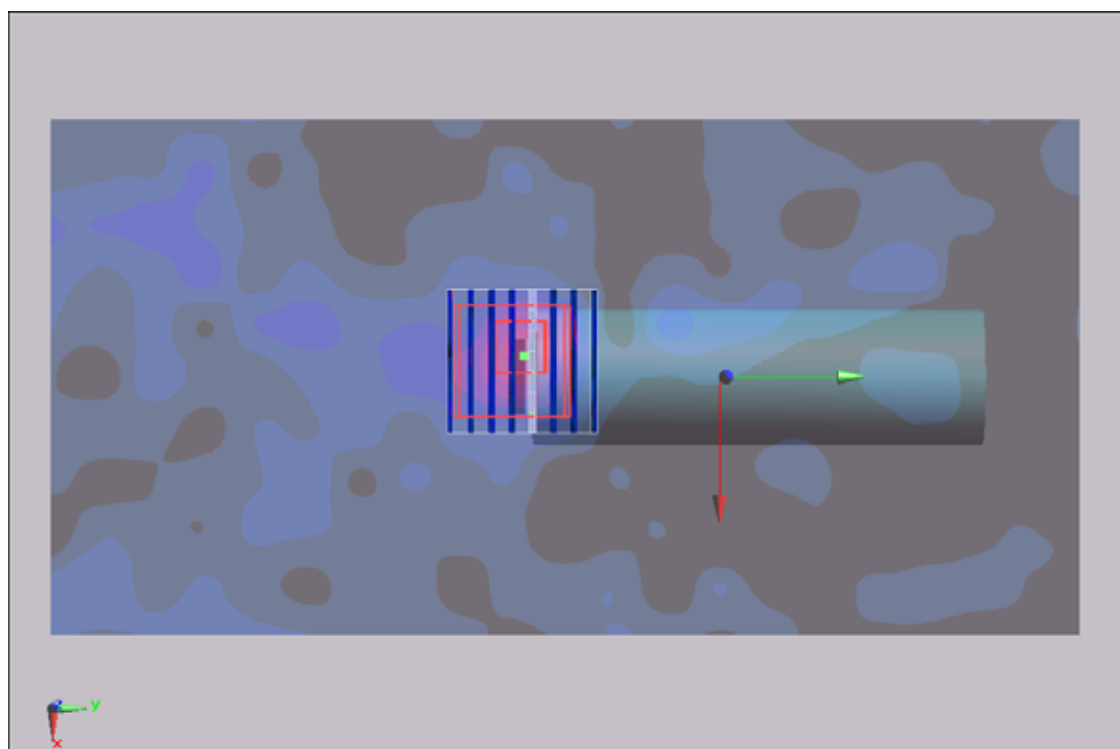
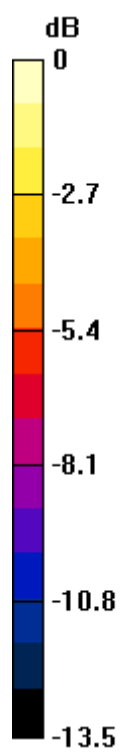
Ch149/Zoom Scan (8x8x10)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 3.68 V/m; Power Drift = 0.189 dB

Peak SAR (extrapolated) = 0.883 W/kg

SAR(1 g) = 0.107 mW/g; SAR(10 g) = 0.080 mW/g

Maximum value of SAR (measured) = 0.158 mW/g



0 dB = 0.883mW/g

#64 802.11n_20M_Horizontal UP_0.5cm_Ch149_Flip 90_Antenna 1_2D

DUT: 181701

Communication System: 802.11n; Frequency: 5745 MHz; Duty Cycle: 1:1

Medium: MSL_5G_111222 Medium parameters used: $f = 5745 \text{ MHz}$; $\sigma = 6.11 \text{ mho/m}$; $\epsilon_r = 46.7$; $\rho = 1000 \text{ kg/m}^3$

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3792; ConvF(3.78, 3.78, 3.78); Calibrated: 2011/6/20
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn778; Calibrated: 2011/11/22
- Phantom: ELI 4.0_Front; Type: QD 0VA 002 AA; Serial: TP-1131
- ; SEMCAD X Version 13.4 Build 125

Ch149/Area Scan (101x201x1): Measurement grid: $dx=10\text{mm}$, $dy=10\text{mm}$

Maximum value of SAR (interpolated) = 0.163 mW/g

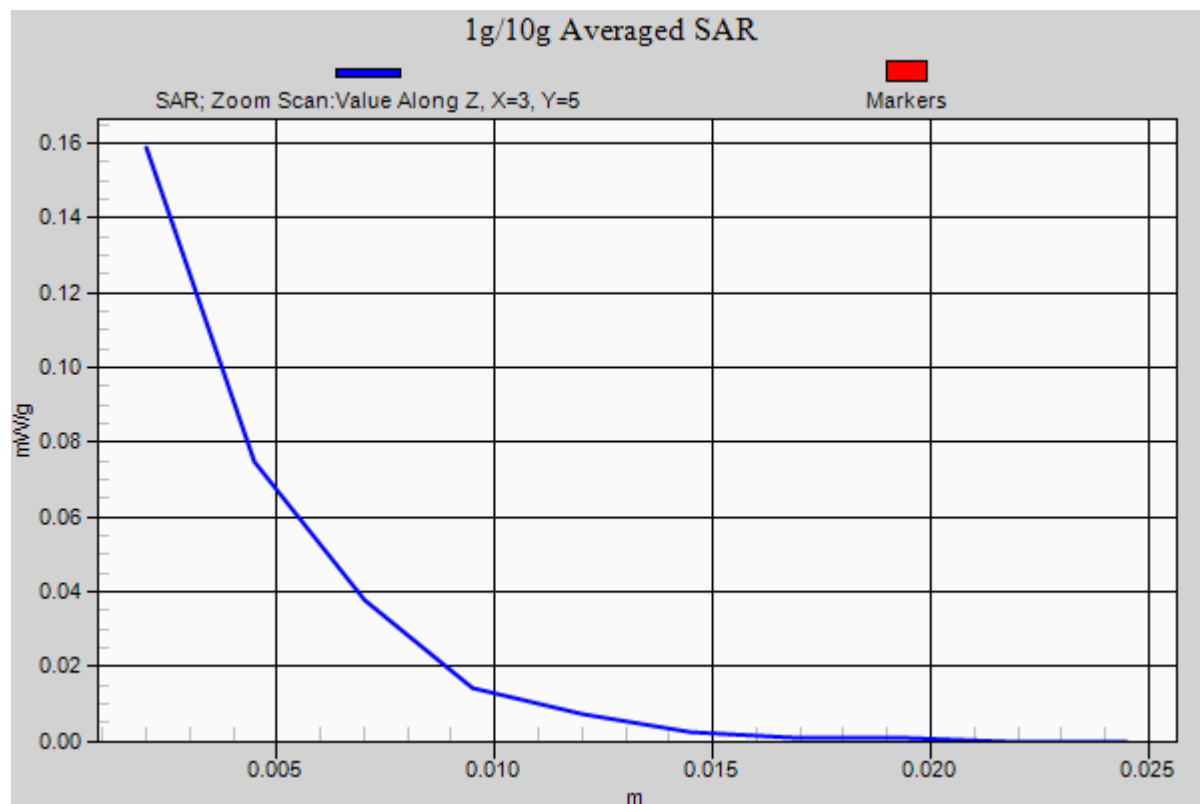
Ch149/Zoom Scan (8x8x10)/Cube 0: Measurement grid: $dx=4\text{mm}$, $dy=4\text{mm}$, $dz=2.5\text{mm}$

Reference Value = 3.68 V/m; Power Drift = 0.189 dB

Peak SAR (extrapolated) = 0.883 W/kg

SAR(1 g) = 0.107 mW/g; SAR(10 g) = 0.080 mW/g

Maximum value of SAR (measured) = 0.158 mW/g



#65 802.11n_20M_Horizontal UP_0.5cm_Ch149_Flip 90_Antenna 2

DUT: 181701

Communication System: 802.11n; Frequency: 5745 MHz; Duty Cycle: 1:1

Medium: MSL_5G_111222 Medium parameters used : $f = 5745 \text{ MHz}$; $\sigma = 6.11 \text{ mho/m}$; $\epsilon_r = 46.7$; $\rho = 1000 \text{ kg/m}^3$

Ambient Temperature : $22.5 \text{ }^\circ\text{C}$; Liquid Temperature : $21.5 \text{ }^\circ\text{C}$

DASY5 Configuration:

- Probe: EX3DV4 - SN3792; ConvF(3.78, 3.78, 3.78); Calibrated: 2011/6/20
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn778; Calibrated: 2011/11/22
- Phantom: ELI 4.0_Front; Type: QD 0VA 002 AA; Serial: TP-1131
- ; SEMCAD X Version 13.4 Build 125

Ch149/Area Scan (101x201x1): Measurement grid: $dx=10\text{mm}$, $dy=10\text{mm}$

Maximum value of SAR (interpolated) = 0.078 mW/g

Ch149/Zoom Scan (8x8x10)/Cube 1: Measurement grid: $dx=4\text{mm}$, $dy=4\text{mm}$, $dz=2.5\text{mm}$

Reference Value = 3.38 V/m ; Power Drift = -0.027 dB

Peak SAR (extrapolated) = 0.201 W/kg

SAR(1 g) = 0.088 mW/g ; SAR(10 g) = 0.078 mW/g

Maximum value of SAR (measured) = 0.110 mW/g

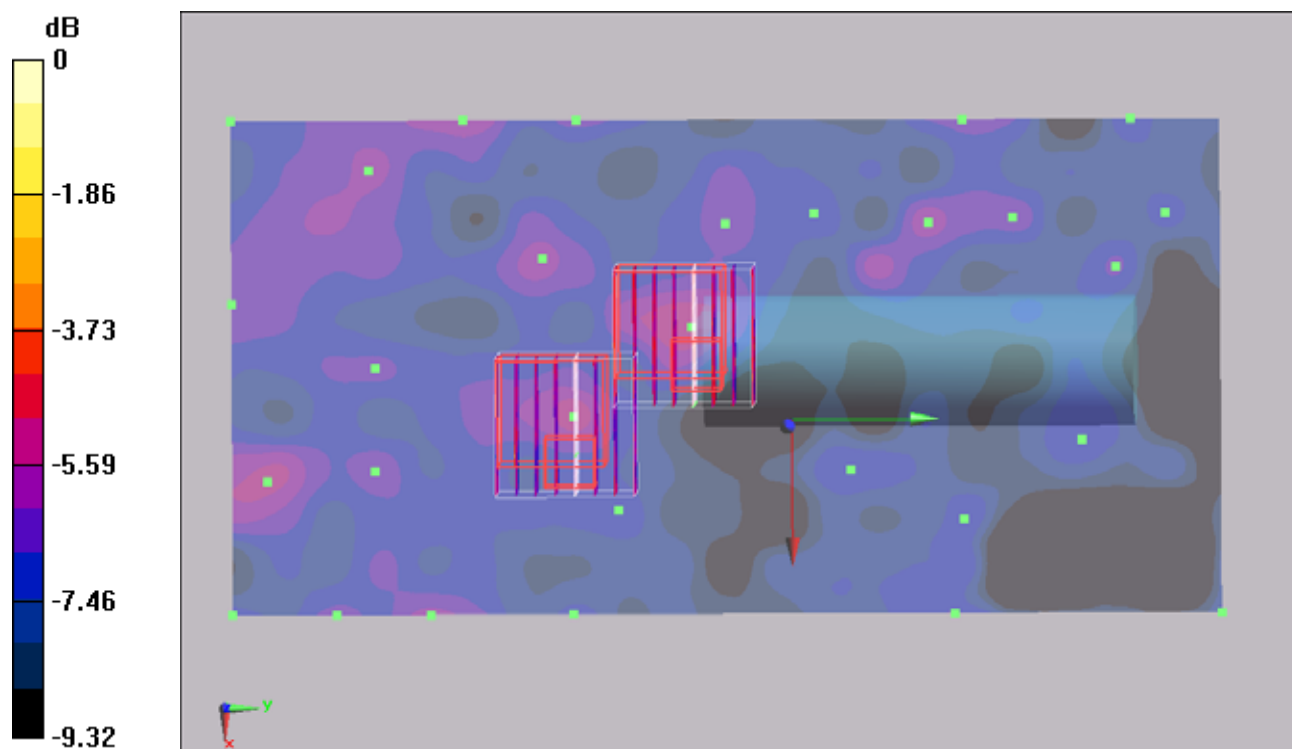
Ch149/Zoom Scan (8x8x10)/Cube 0: Measurement grid: $dx=4\text{mm}$, $dy=4\text{mm}$, $dz=2.5\text{mm}$

Reference Value = 3.38 V/m ; Power Drift = -0.027 dB

Peak SAR (extrapolated) = 0.256 W/kg

SAR(1 g) = 0.076 mW/g ; SAR(10 g) = 0.069 mW/g

Maximum value of SAR (measured) = 0.256 mW/g



#73 802.11n_20M_Veritical Back_0.5cm_Ch149_Flip 90 _Antenna 1/2/3

DUT: 181701

Communication System: 802.11n; Frequency: 5745 MHz; Duty Cycle: 1:1

Medium: MSL_5G_120101 Medium parameters used : $f = 5745 \text{ MHz}$; $\sigma = 6.08 \text{ mho/m}$; $\epsilon_r = 46.7$; $\rho = 1000 \text{ kg/m}^3$

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3792; ConvF(3.78, 3.78, 3.78); Calibrated: 2011/6/20
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn778; Calibrated: 2011/11/22
- Phantom: ELI 4.0; Type: QDOVA001BA; Serial: 1029
- ; SEMCAD X Version 13.4 Build 125

Ch149/Area Scan (81x141x1): Measurement grid: $dx=10\text{mm}$, $dy=10\text{mm}$

Maximum value of SAR (interpolated) = 0.060 mW/g

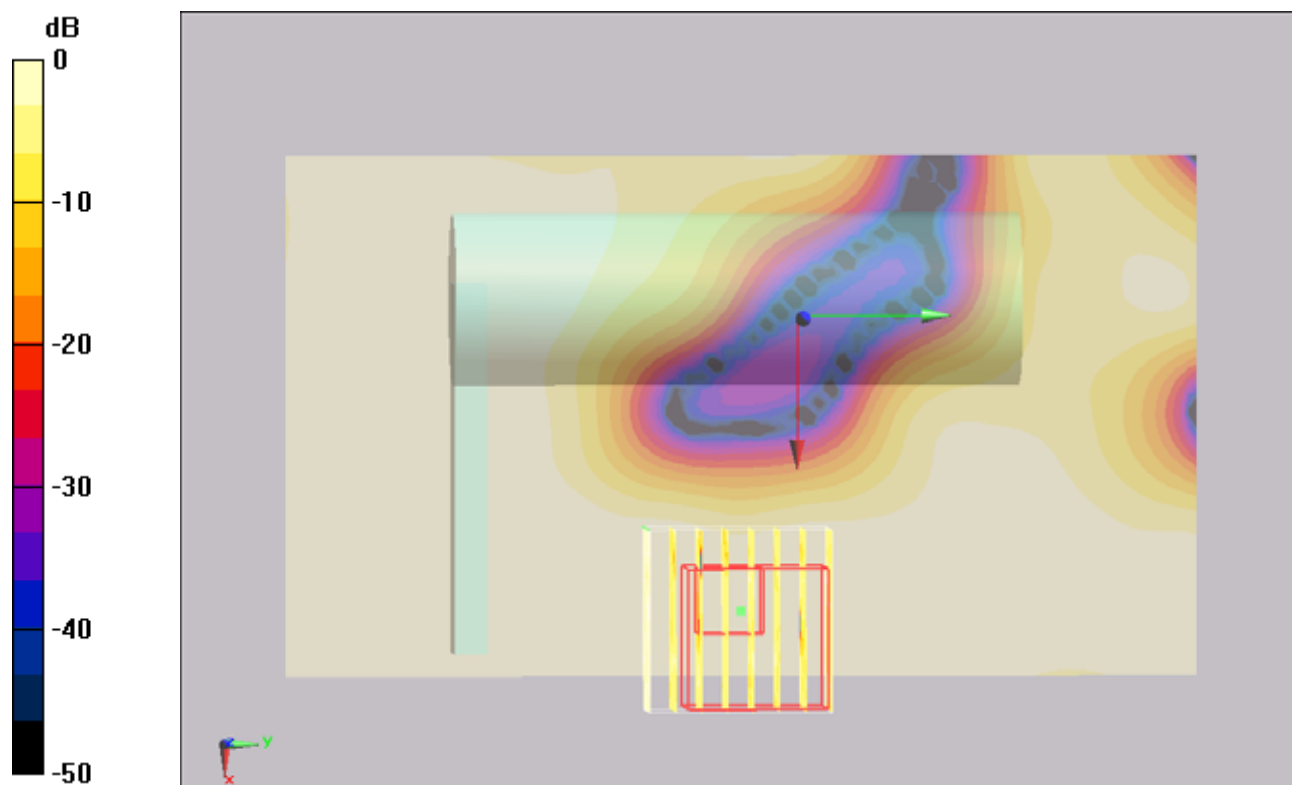
Ch149/Zoom Scan (8x8x10)/Cube 0: Measurement grid: $dx=4\text{mm}$, $dy=4\text{mm}$, $dz=2.5\text{mm}$

Reference Value = 1.74 V/m ; Power Drift = -0.165 dB

Peak SAR (extrapolated) = 0.096 W/kg

SAR(1 g) = 0.010 mW/g ; SAR(10 g) = 0.00692 mW/g

Maximum value of SAR (measured) = 0.031 mW/g



0 dB = 0.031mW/g

#74 802.11n_20M_Veritical Front_0.5cm_Ch149_Flip 90_Antenna 1/2/3

DUT: 181701

Communication System: 802.11n; Frequency: 5745 MHz; Duty Cycle: 1:1

Medium: MSL_5G_120101 Medium parameters used : $f = 5745 \text{ MHz}$; $\sigma = 6.08 \text{ mho/m}$; $\epsilon_r = 46.7$; $\rho = 1000 \text{ kg/m}^3$

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3792; ConvF(3.78, 3.78, 3.78); Calibrated: 2011/6/20
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn778; Calibrated: 2011/11/22
- Phantom: ELI 4.0; Type: QDOVA001BA; Serial: 1029
- ; SEMCAD X Version 13.4 Build 125

Ch149/Area Scan (101x141x1): Measurement grid: $dx=10\text{mm}$, $dy=10\text{mm}$

Maximum value of SAR (interpolated) = 0.058 mW/g

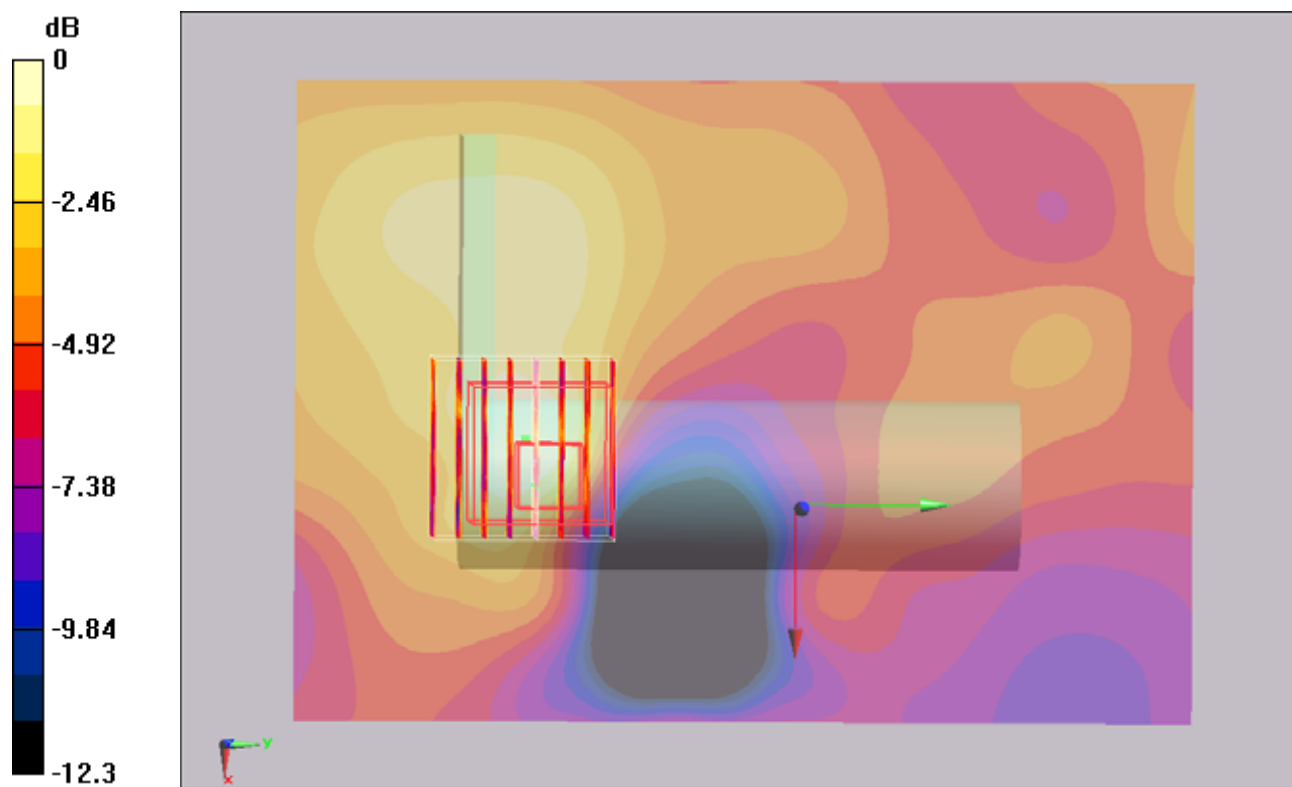
Ch149/Zoom Scan (8x8x10)/Cube 0: Measurement grid: $dx=4\text{mm}$, $dy=4\text{mm}$, $dz=2.5\text{mm}$

Reference Value = 1.5 V/m ; Power Drift = 0.152 dB

Peak SAR (extrapolated) = 0.095 W/kg

SAR(1 g) = 0.030 mW/g ; SAR(10 g) = 0.019 mW/g

Maximum value of SAR (measured) = 0.055 mW/g



0 dB = 0.055mW/g

#44 802.11n_Horizontal Down_Flip Front_0.5cm_Ch149_Flip 90_Antenna 3**DUT: 181701**

Communication System: 802.11n; Frequency: 5745 MHz; Duty Cycle: 1:1

Medium: MSL_5G_110906 Medium parameters used : $f = 5745$ MHz; $\sigma = 6.052$ mho/m; $\epsilon_r = 47.482$; $\rho = 1000$ kg/m³

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3578; ConvF(3.23, 3.23, 3.23); Calibrated: 2011/6/21
- Sensor-Surface: 4mm (Mechanical Surface Detection), Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn577; Calibrated: 2011/1/13
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP1127
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.5 (3634)

Ch149/Area Scan (101x141x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.130 mW/g

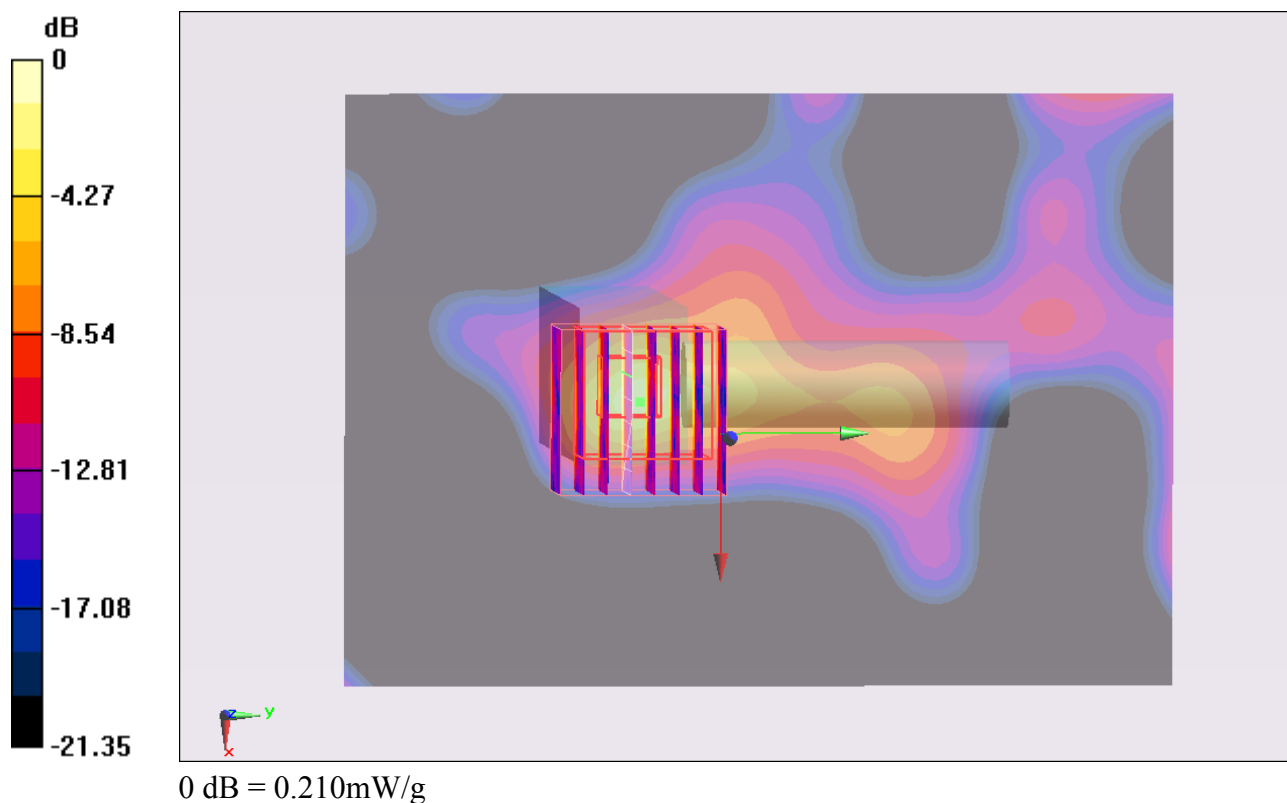
Ch149/Zoom Scan (8x8x10)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 3.834 V/m; Power Drift = 0.187 dB

Peak SAR (extrapolated) = 0.430 W/kg

SAR(1 g) = 0.104 mW/g; SAR(10 g) = 0.041 mW/g

Maximum value of SAR (measured) = 0.214 mW/g



#70 802.11n_20M_Horizontal Down_Flip Back_0.5cm_Ch149_Flip 90_Antenna 3

DUT: 181701

Communication System: 802.11n; Frequency: 5745 MHz; Duty Cycle: 1:1

Medium: MSL_5G_120101 Medium parameters used : $f = 5745 \text{ MHz}$; $\sigma = 6.08 \text{ mho/m}$; $\epsilon_r = 46.7$; $\rho = 1000 \text{ kg/m}^3$

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3792; ConvF(3.78, 3.78, 3.78); Calibrated: 2011/6/20
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn778; Calibrated: 2011/11/22
- Phantom: ELI 4.0; Type: QDOVA001BA; Serial: 1029
- ; SEMCAD X Version 13.4 Build 125

Ch149/Area Scan (61x141x1): Measurement grid: $dx=10\text{mm}$, $dy=10\text{mm}$

Maximum value of SAR (interpolated) = 0.221 mW/g

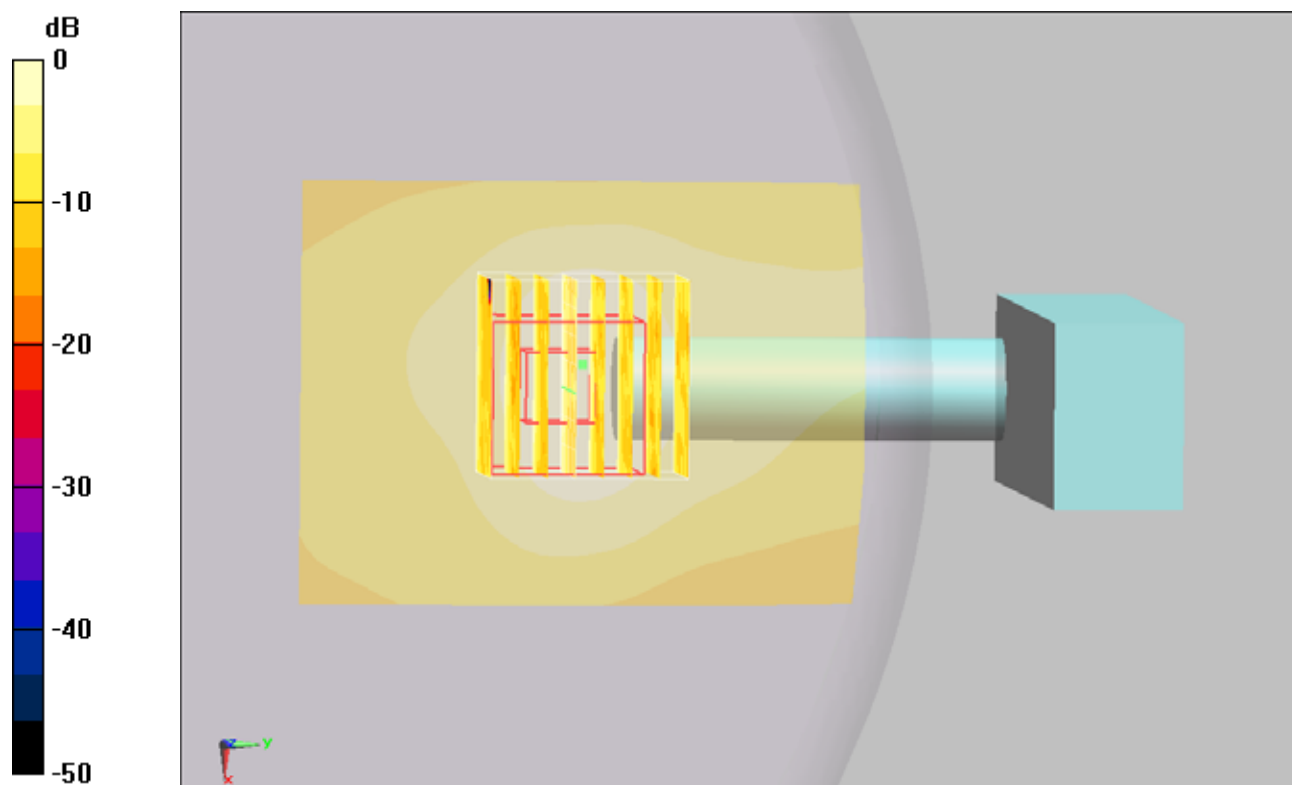
Ch149/Zoom Scan (8x8x10)/Cube 0: Measurement grid: $dx=4\text{mm}$, $dy=4\text{mm}$, $dz=2.5\text{mm}$

Reference Value = 1.78 V/m ; Power Drift = -0.145 dB

Peak SAR (extrapolated) = 0.321 W/kg

SAR(1 g) = 0.091 mW/g ; SAR(10 g) = 0.038 mW/g

Maximum value of SAR (measured) = 0.164 mW/g



0 dB = 0.164mW/g

#71 802.11n_20M_Horizontal Down_0.5cm_Ch149_Flip 90_Antenna 1

DUT: 181701

Communication System: 802.11n; Frequency: 5745 MHz; Duty Cycle: 1:1

Medium: MSL_5G_120101 Medium parameters used : $f = 5745 \text{ MHz}$; $\sigma = 6.08 \text{ mho/m}$; $\epsilon_r = 46.7$; $\rho = 1000 \text{ kg/m}^3$

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3792; ConvF(3.78, 3.78, 3.78); Calibrated: 2011/6/20
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn778; Calibrated: 2011/11/22
- Phantom: ELI 4.0; Type: QDOVA001BA; Serial: 1029
- ; SEMCAD X Version 13.4 Build 125

Ch149/Area Scan (61x141x1): Measurement grid: $dx=10\text{mm}$, $dy=10\text{mm}$

Maximum value of SAR (interpolated) = 0.078 mW/g

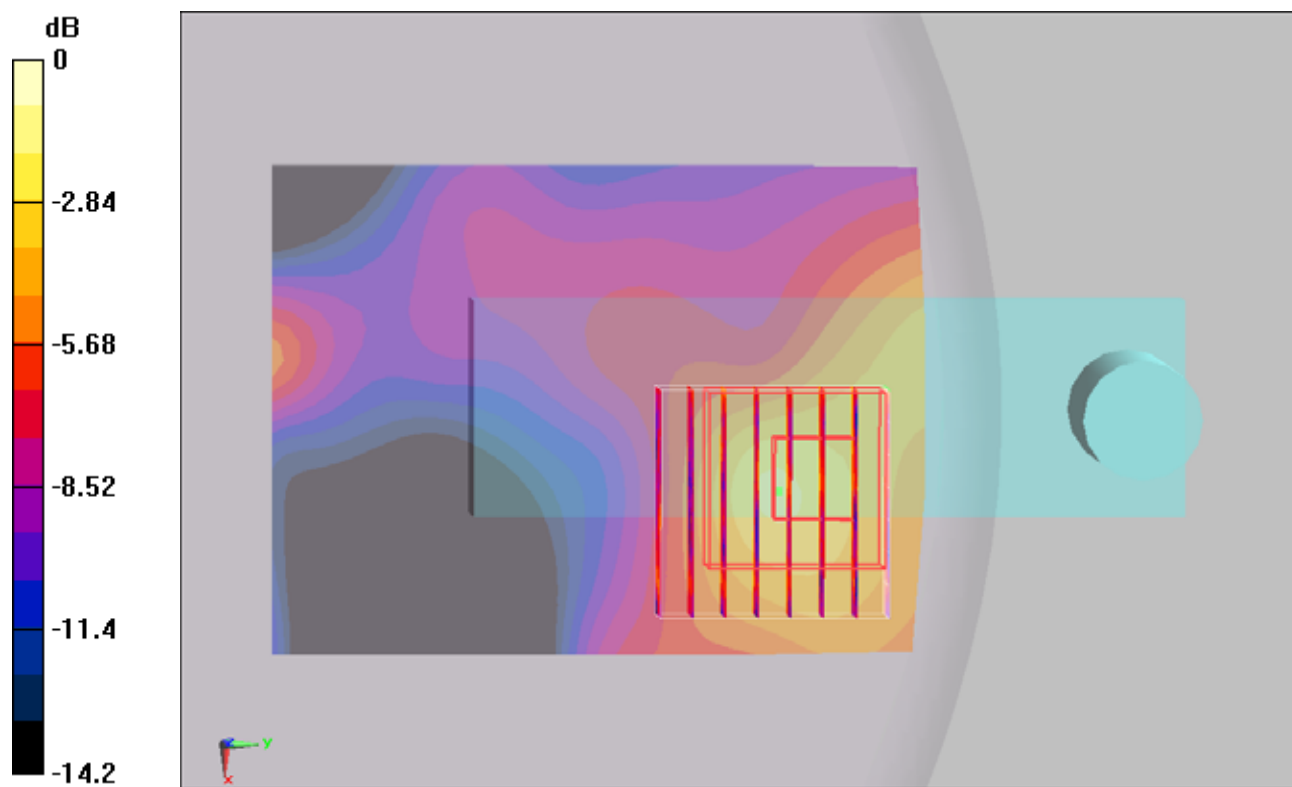
Ch149/Zoom Scan (8x8x10)/Cube 0: Measurement grid: $dx=4\text{mm}$, $dy=4\text{mm}$, $dz=2.5\text{mm}$

Reference Value = 1.32 V/m ; Power Drift = 0.189 dB

Peak SAR (extrapolated) = 0.166 W/kg

SAR(1 g) = 0.056 mW/g ; SAR(10 g) = 0.031 mW/g

Maximum value of SAR (measured) = 0.114 mW/g



0 dB = 0.114mW/g

#72 802.11n_20M_Horizontal Down_0.5cm_Ch149_Flip 90_Antenna 2

DUT: 181701

Communication System: 802.11n; Frequency: 5745 MHz; Duty Cycle: 1:1

Medium: MSL_5G_120101 Medium parameters used : $f = 5745 \text{ MHz}$; $\sigma = 6.08 \text{ mho/m}$; $\epsilon_r = 46.7$; $\rho = 1000 \text{ kg/m}^3$

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3792; ConvF(3.78, 3.78, 3.78); Calibrated: 2011/6/20
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn778; Calibrated: 2011/11/22
- Phantom: ELI 4.0; Type: QDOVA001BA; Serial: 1029
- ; SEMCAD X Version 13.4 Build 125

Ch149/Area Scan (61x141x1): Measurement grid: $dx=10\text{mm}$, $dy=10\text{mm}$

Maximum value of SAR (interpolated) = 0.158 mW/g

Ch149/Zoom Scan (8x8x10)/Cube 0: Measurement grid: $dx=4\text{mm}$, $dy=4\text{mm}$, $dz=2.5\text{mm}$

Reference Value = 1.9 V/m ; Power Drift = -0.061 dB

Peak SAR (extrapolated) = 0.344 W/kg

SAR(1 g) = 0.106 mW/g ; SAR(10 g) = 0.045 mW/g

Maximum value of SAR (measured) = 0.198 mW/g

