



Appendix B. Plots of SAR Measurement

The plots are shown as follows.

#18 802.11b_Bottom Face_0cm_Ch1_Ant 0

DUT: 241407

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

Medium: MSL_2450_120509 Medium parameters used: $f = 2412$ MHz; $\sigma = 1.88$ mho/m; $\epsilon_r = 53.7$; $\rho = 1000$ kg/m³

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3819; ConvF(7.4, 7.4, 7.4); Calibrated: 2011/11/16
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn778; Calibrated: 2011/11/22
- Phantom: ELI 4.0; Type: QDOVA001BA; Serial: 1029
- Software: DASY5 Version; SEMCAD X Version 13.4 Build 45

Ch1/Area Scan (101x151x1): Measurement grid: dx=20mm, dy=20mm

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

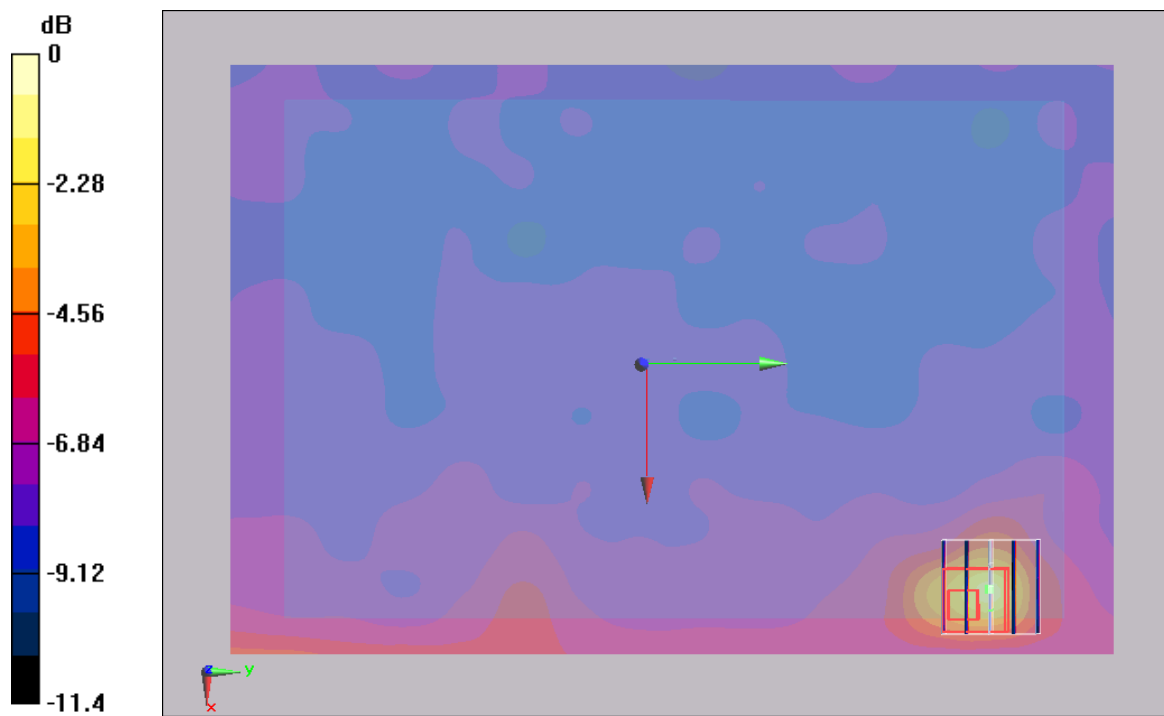
Ch1/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 3.67 V/m; Power Drift = -0.155 dB

Peak SAR (extrapolated) = 0.079 W/kg

SAR(1 g) = 0.045 mW/g; SAR(10 g) = 0.020 mW/g

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



0 dB = 0.071mW/g

#19 802.11b_Primary Portrait_0cm_Ch1_Ant 0

DUT: 241407

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

Medium: MSL_2450_120509 Medium parameters used: $f = 2412$ MHz; $\sigma = 1.88$ mho/m; $\epsilon_r = 53.7$; $\rho = 1000$ kg/m³

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3819; ConvF(7.4, 7.4, 7.4); Calibrated: 2011/11/16
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn778; Calibrated: 2011/11/22
- Phantom: ELI 4.0; Type: QDOVA001BA; Serial: 1029
- Software: DASY5 Version; SEMCAD X Version 13.4 Build 45

Ch1/Area Scan (41x111x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.017 mW/g

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

Reference Value = 2.42 V/m; Power Drift = -0.165 dB

Peak SAR (extrapolated) = 0.017 W/kg

SAR(1 g) = 0.014 mW/g; SAR(10 g) = 0.012 mW/g

Maximum value of SAR (measured) = 0.017 mW/g

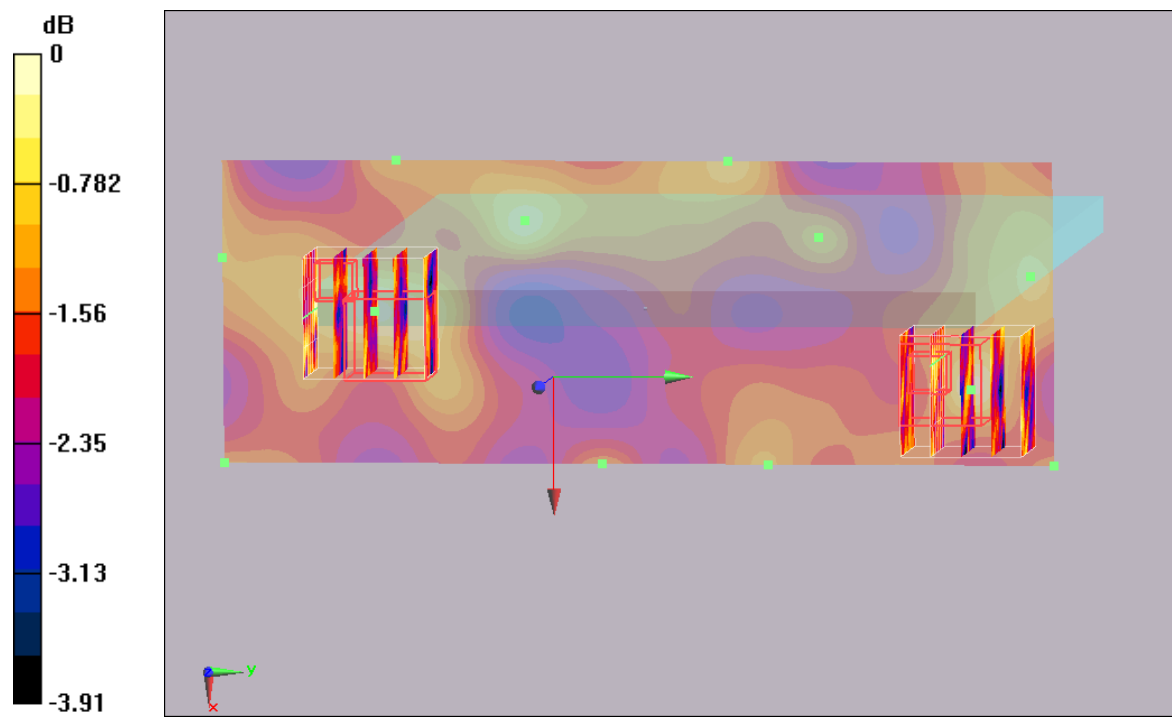
Ch1/Zoom Scan (5x5x7)/Cube 1: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 2.42 V/m; Power Drift = -0.165 dB

Peak SAR (extrapolated) = 0.020 W/kg

SAR(1 g) = 0.014 mW/g; SAR(10 g) = 0.012 mW/g

Maximum value of SAR (measured) = 0.018 mW/g



#20 802.11b_Secondary Landscape_0cm_Ch1_Ant 0

DUT: 241407

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

Medium: MSL_2450_120509 Medium parameters used: $f = 2412 \text{ MHz}$; $\sigma = 1.88 \text{ mho/m}$; $\epsilon_r = 53.7$; $\rho = 1000 \text{ kg/m}^3$

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3819; ConvF(7.4, 7.4, 7.4); Calibrated: 2011/11/16
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn778; Calibrated: 2011/11/22
- Phantom: ELI 4.0; Type: QDOVA001BA; Serial: 1029
- Software: DASY5 Version; SEMCAD X Version 13.4 Build 45

Ch1/Area Scan (31x141x1): Measurement grid: $dx=20\text{mm}$, $dy=20\text{mm}$

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

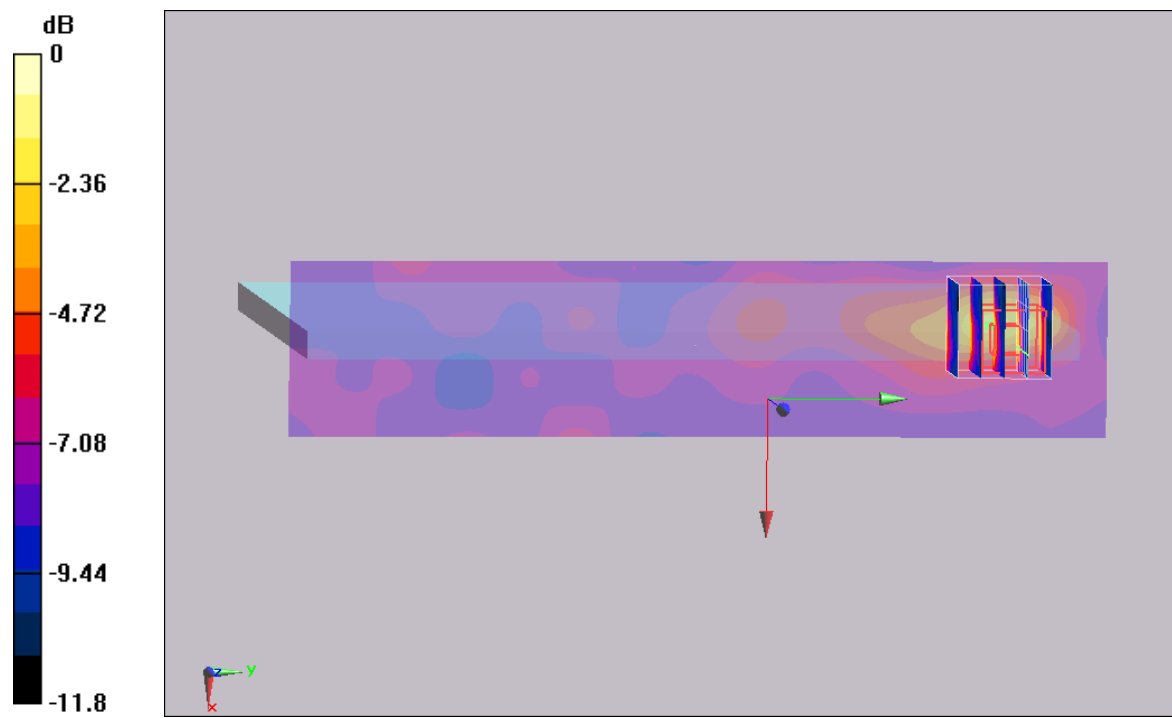
Ch1/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 1.9 V/m ; Power Drift = -0.177 dB

Peak SAR (extrapolated) = 0.118 W/kg

SAR(1 g) = 0.047 mW/g ; SAR(10 g) = 0.020 mW/g

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



#20 802.11b_Secondary Landscape_0cm_Ch1_Ant 0_2D

DUT: 241407

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

Medium: MSL_2450_120509 Medium parameters used: $f = 2412$ MHz; $\sigma = 1.88$ mho/m; $\epsilon_r = 53.7$; $\rho = 1000$ kg/m³

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3819; ConvF(7.4, 7.4, 7.4); Calibrated: 2011/11/16
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn778; Calibrated: 2011/11/22
- Phantom: ELI 4.0; Type: QDOVA001BA; Serial: 1029
- Software: DASY5 Version; SEMCAD X Version 13.4 Build 45

Ch1/Area Scan (31x141x1): Measurement grid: dx=20mm, dy=20mm

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

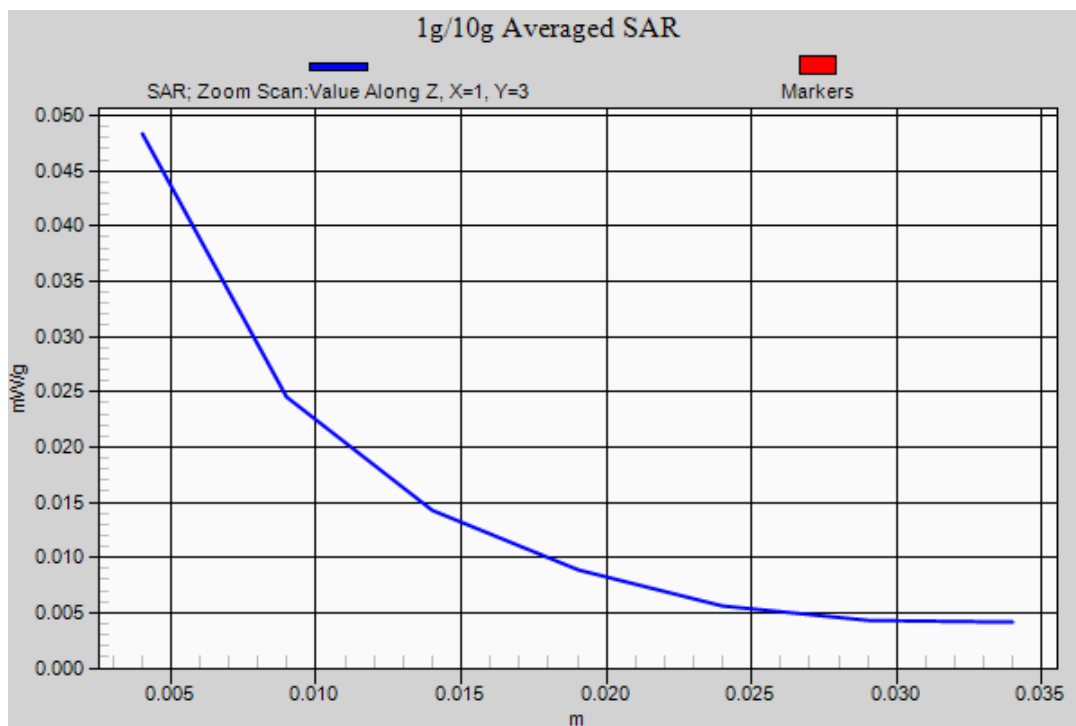
Ch1/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 1.9 V/m; Power Drift = -0.177 dB

Peak SAR (extrapolated) = 0.118 W/kg

SAR(1 g) = 0.047 mW/g; SAR(10 g) = 0.020 mW/g

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



#01 802.11b_Bottom Face_0cm_Ch1_Ant 1

DUT: 241407

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

Medium: MSL_2450_120509 Medium parameters used: $f = 2412 \text{ MHz}$; $\sigma = 1.88 \text{ mho/m}$; $\epsilon_r = 53.7$; $\rho = 1000 \text{ kg/m}^3$

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3819; ConvF(7.4, 7.4, 7.4); Calibrated: 2011/11/16
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn778; Calibrated: 2011/11/22
- Phantom: ELI 4.0; Type: QDOVA001BA; Serial: 1029
- Software: DASY5 Version; SEMCAD X Version 13.4 Build 45

Ch1/Area Scan (101x151x1): Measurement grid: $dx=20\text{mm}$, $dy=20\text{mm}$

Maximum value of SAR (interpolated) = 0.480 mW/g

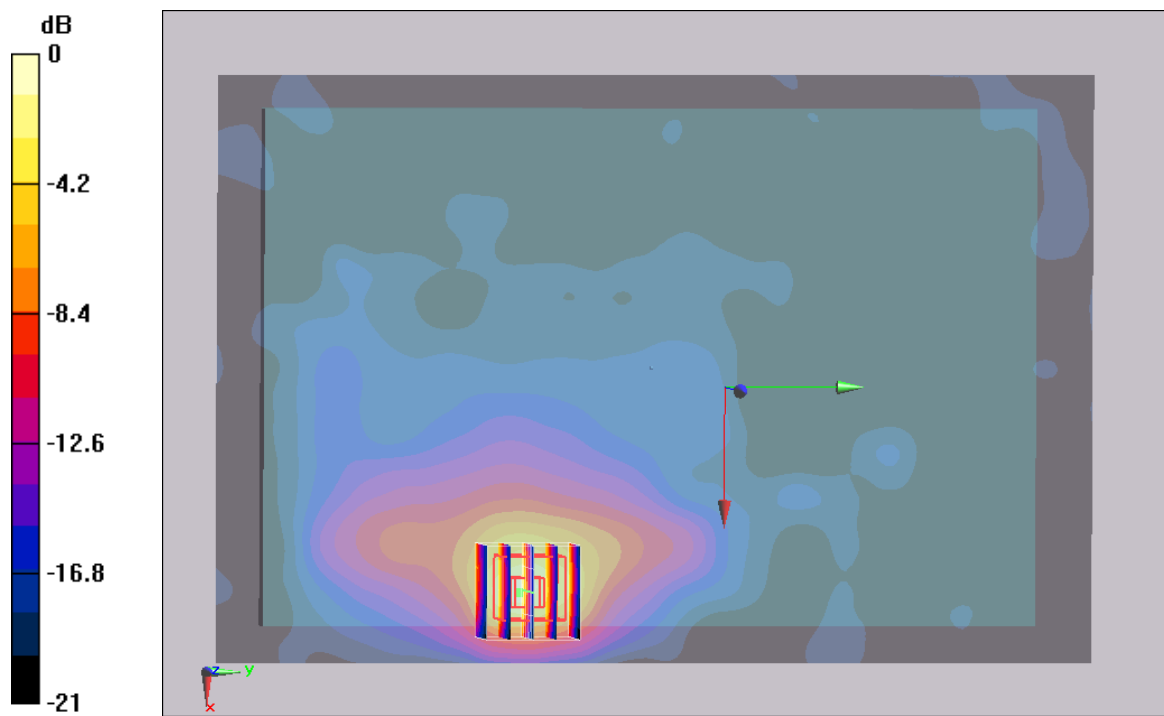
Ch1/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 2.24 V/m ; Power Drift = 0.151 dB

Peak SAR (extrapolated) = 1.14 W/kg

SAR(1 g) = 0.498 mW/g ; SAR(10 g) = 0.220 mW/g

Maximum value of SAR (measured) = 0.568 mW/g



#01 802.11b_Bottom Face_0cm_Ch1_Ant 1_2D

DUT: 241407

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

Medium: MSL_2450_120509 Medium parameters used: $f = 2412$ MHz; $\sigma = 1.88$ mho/m; $\epsilon_r = 53.7$; $\rho = 1000$ kg/m³

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3819; ConvF(7.4, 7.4, 7.4); Calibrated: 2011/11/16
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn778; Calibrated: 2011/11/22
- Phantom: ELI 4.0; Type: QDOVA001BA; Serial: 1029
- Software: DASY5 Version; SEMCAD X Version 13.4 Build 45

Ch1/Area Scan (101x151x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.480 mW/g

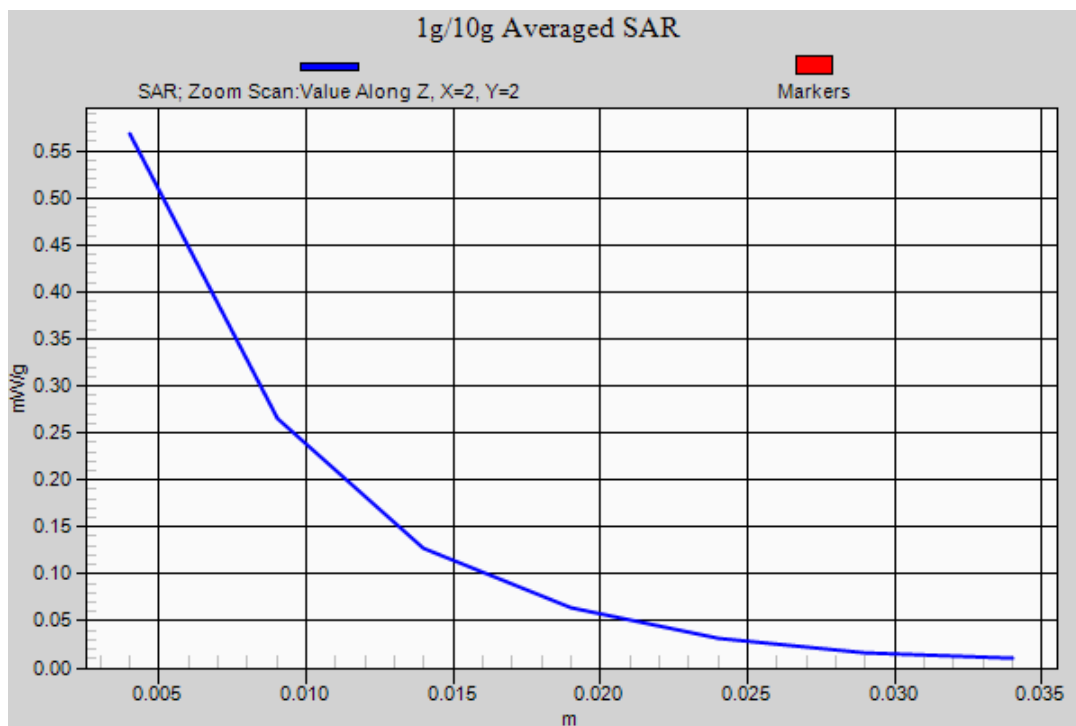
Ch1/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 2.24 V/m; Power Drift = 0.151 dB

Peak SAR (extrapolated) = 1.14 W/kg

SAR(1 g) = 0.498 mW/g; SAR(10 g) = 0.220 mW/g

Maximum value of SAR (measured) = 0.568 mW/g



#03 802.11b_Secondary Landscape_0cm_Ch1_Ant 1

DUT: 241407

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

Medium: MSL_2450_120509 Medium parameters used: $f = 2412 \text{ MHz}$; $\sigma = 1.88 \text{ mho/m}$; $\epsilon_r = 53.7$; $\rho = 1000 \text{ kg/m}^3$

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3819; ConvF(7.4, 7.4, 7.4); Calibrated: 2011/11/16
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn778; Calibrated: 2011/11/22
- Phantom: ELI 4.0; Type: QDOVA001BA; Serial: 1029
- Software: DASY5 Version; SEMCAD X Version 13.4 Build 45

Ch1/Area Scan (31x141x1): Measurement grid: $dx=20\text{mm}$, $dy=20\text{mm}$

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

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

Reference Value = 7.68 V/m ; Power Drift = -0.133 dB

Peak SAR (extrapolated) = 0.437 W/kg

SAR(1 g) = 0.194 mW/g ; SAR(10 g) = 0.093 mW/g

Maximum value of SAR (measured) = 0.205 mW/g

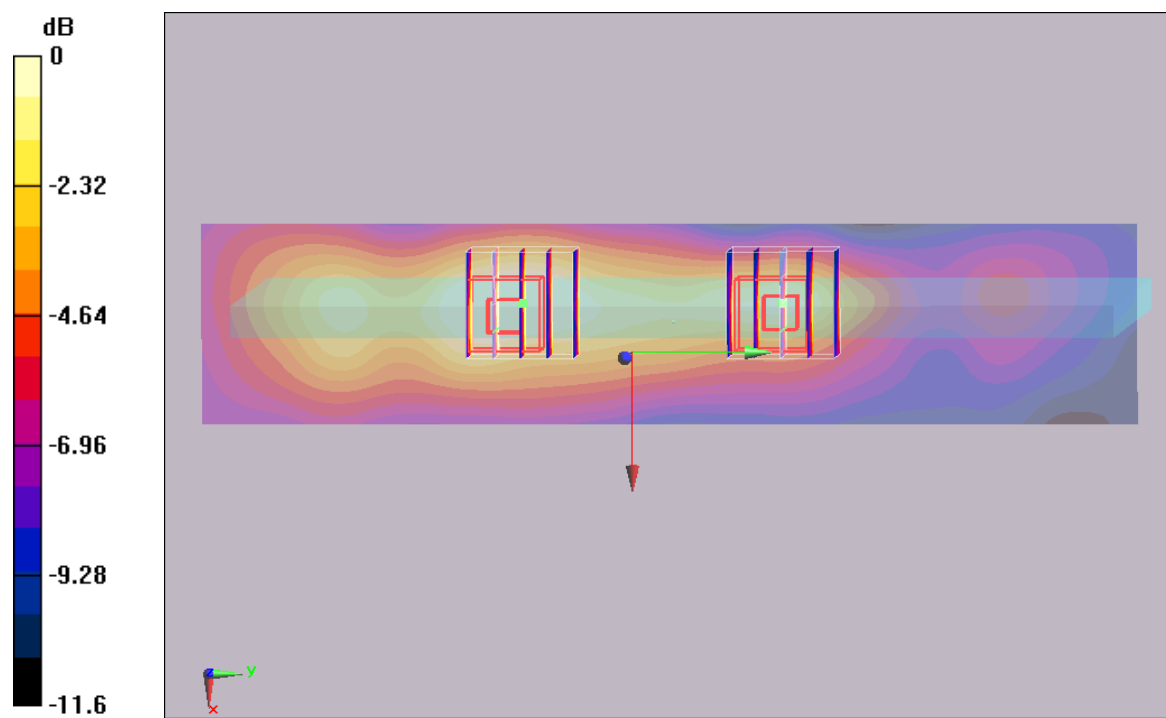
Ch1/Zoom Scan (5x5x7)/Cube 1: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 7.68 V/m ; Power Drift = -0.133 dB

Peak SAR (extrapolated) = 0.209 W/kg

SAR(1 g) = 0.105 mW/g ; SAR(10 g) = 0.055 mW/g

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



0 dB = 0.105mW/g

#21 802.11a_Bottom Face_0cm_Ch36_Ant 0

DUT: 241407

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

Medium: MSL_5G_120509 Medium parameters used: $f = 5180 \text{ MHz}$; $\sigma = 5.22 \text{ mho/m}$; $\epsilon_r = 47.5$; $\rho = 1000 \text{ kg/m}^3$

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3819; ConvF(4.48, 4.48, 4.48); Calibrated: 2011/11/16
- 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 45

Ch36/Area Scan (201x301x1): Measurement grid: $dx=10\text{mm}$, $dy=10\text{mm}$

Maximum value of SAR (interpolated) = 0.307 mW/g

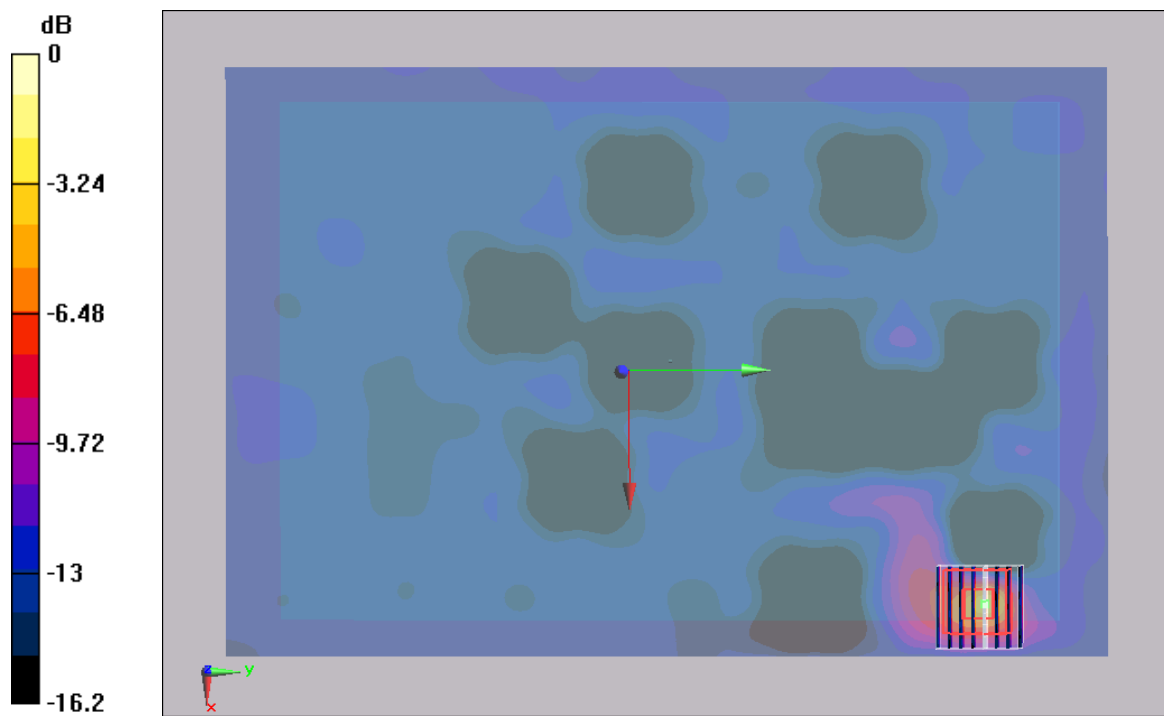
Ch36/Zoom Scan (8x8x10)/Cube 0: Measurement grid: $dx=4\text{mm}$, $dy=4\text{mm}$, $dz=2.5\text{mm}$

Reference Value = 2.27 V/m ; Power Drift = -0.169 dB

Peak SAR (extrapolated) = 1.53 W/kg

SAR(1 g) = 0.330 mW/g ; SAR(10 g) = 0.106 mW/g

Maximum value of SAR (measured) = 0.683 mW/g



#21 802.11a_Bottom Face_0cm_Ch36_Ant 0_2D

DUT: 241407

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

Medium: MSL_5G_120509 Medium parameters used: $f = 5180$ MHz; $\sigma = 5.22$ mho/m; $\epsilon_r = 47.5$; $\rho = 1000$ kg/m³

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3819; ConvF(4.48, 4.48, 4.48); Calibrated: 2011/11/16
- 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 45

Ch36/Area Scan (201x301x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.307 mW/g

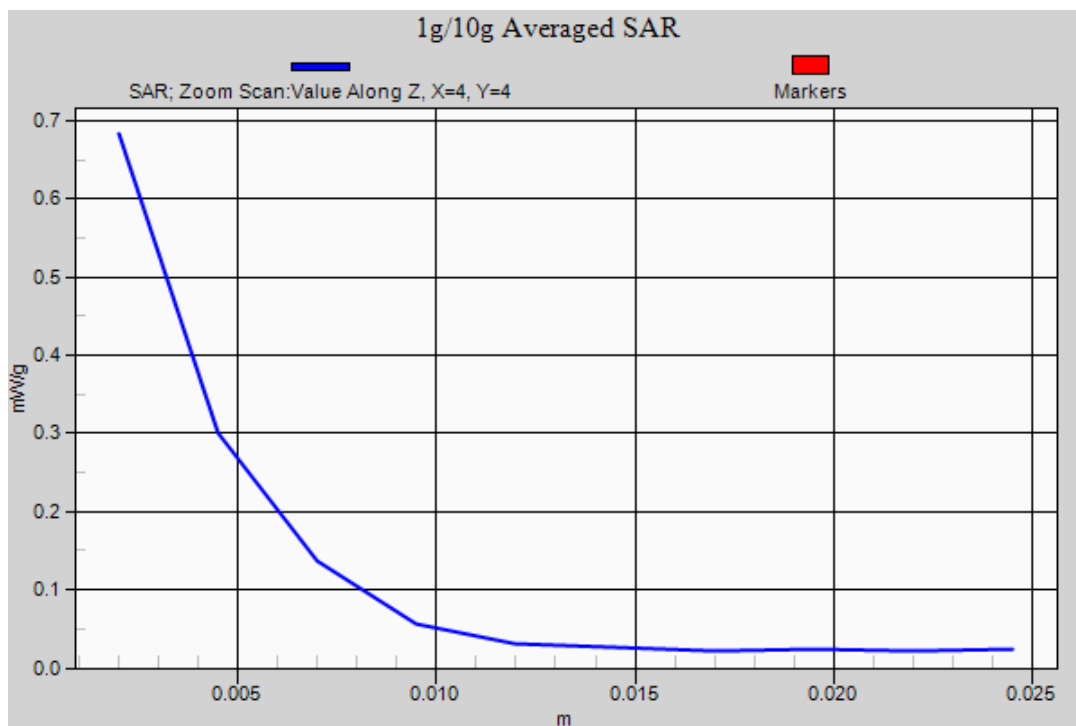
Ch36/Zoom Scan (8x8x10)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 2.27 V/m; Power Drift = -0.169 dB

Peak SAR (extrapolated) = 1.53 W/kg

SAR(1 g) = 0.330 mW/g; SAR(10 g) = 0.106 mW/g

Maximum value of SAR (measured) = 0.683 mW/g



#22 802.11a_Primary Portrait_0cm_Ch36_Ant 0

DUT: 241407

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

Medium: MSL_5G_120509 Medium parameters used: $f = 5180 \text{ MHz}$; $\sigma = 5.22 \text{ mho/m}$; $\epsilon_r = 47.5$; $\rho = 1000 \text{ kg/m}^3$

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3819; ConvF(4.48, 4.48, 4.48); Calibrated: 2011/11/16
- 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 45

Ch36/Area Scan (81x241x1): Measurement grid: $dx=10\text{mm}$, $dy=10\text{mm}$

Maximum value of SAR (interpolated) = 0.108 mW/g

Ch36/Zoom Scan (8x8x10)/Cube 0: Measurement grid: $dx=4\text{mm}$, $dy=4\text{mm}$, $dz=2.5\text{mm}$

Reference Value = 3.58 V/m ; Power Drift = -0.122 dB

Peak SAR (extrapolated) = 0.287 W/kg

SAR(1 g) = 0.111 mW/g ; SAR(10 g) = 0.078 mW/g

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

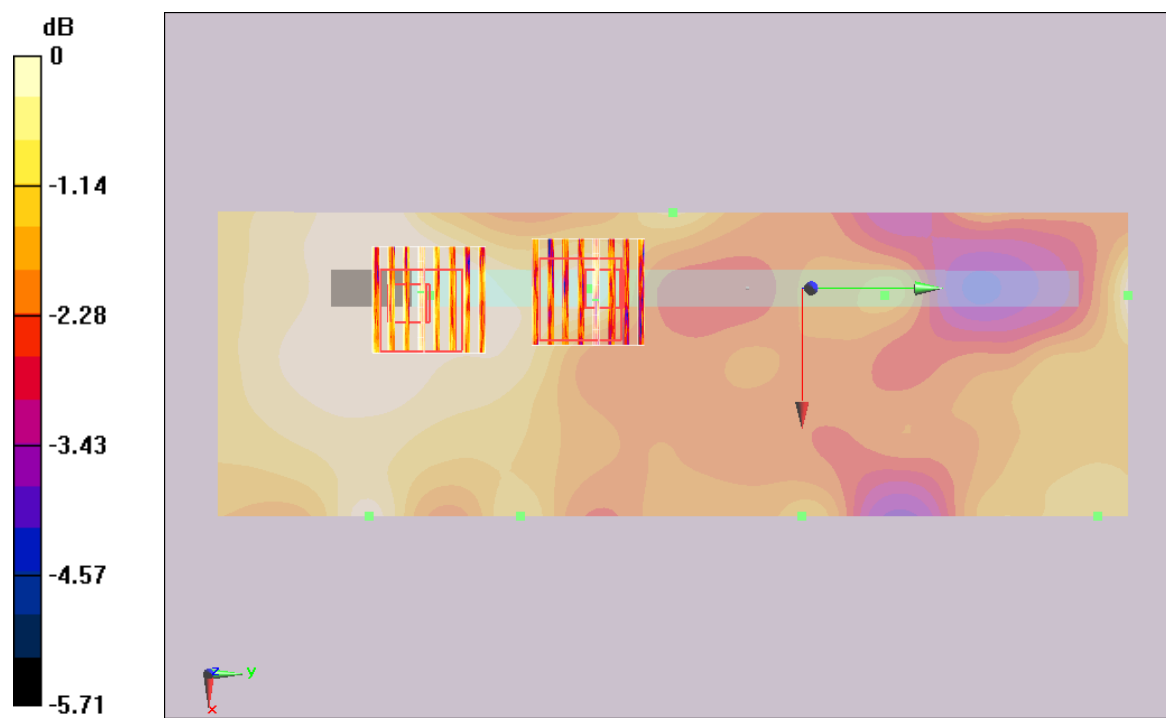
Ch36/Zoom Scan (8x8x10)/Cube 1: Measurement grid: $dx=4\text{mm}$, $dy=4\text{mm}$, $dz=2.5\text{mm}$

Reference Value = 3.58 V/m ; Power Drift = -0.122 dB

Peak SAR (extrapolated) = 0.129 W/kg

SAR(1 g) = 0.070 mW/g ; SAR(10 g) = 0.056 mW/g

Maximum value of SAR (measured) = 0.092 mW/g



0 dB = 0.092mW/g

#23 802.11a_Secondary Landscape_0cm_Ch36_Ant 0

DUT: 241407

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

Medium: MSL_5G_120509 Medium parameters used: $f = 5180 \text{ MHz}$; $\sigma = 5.22 \text{ mho/m}$; $\epsilon_r = 47.5$; $\rho = 1000 \text{ kg/m}^3$

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3819; ConvF(4.48, 4.48, 4.48); Calibrated: 2011/11/16
- 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 45

Ch36/Area Scan (61x281x1): Measurement grid: $dx=10\text{mm}$, $dy=10\text{mm}$

Maximum value of SAR (interpolated) = 0.113 mW/g

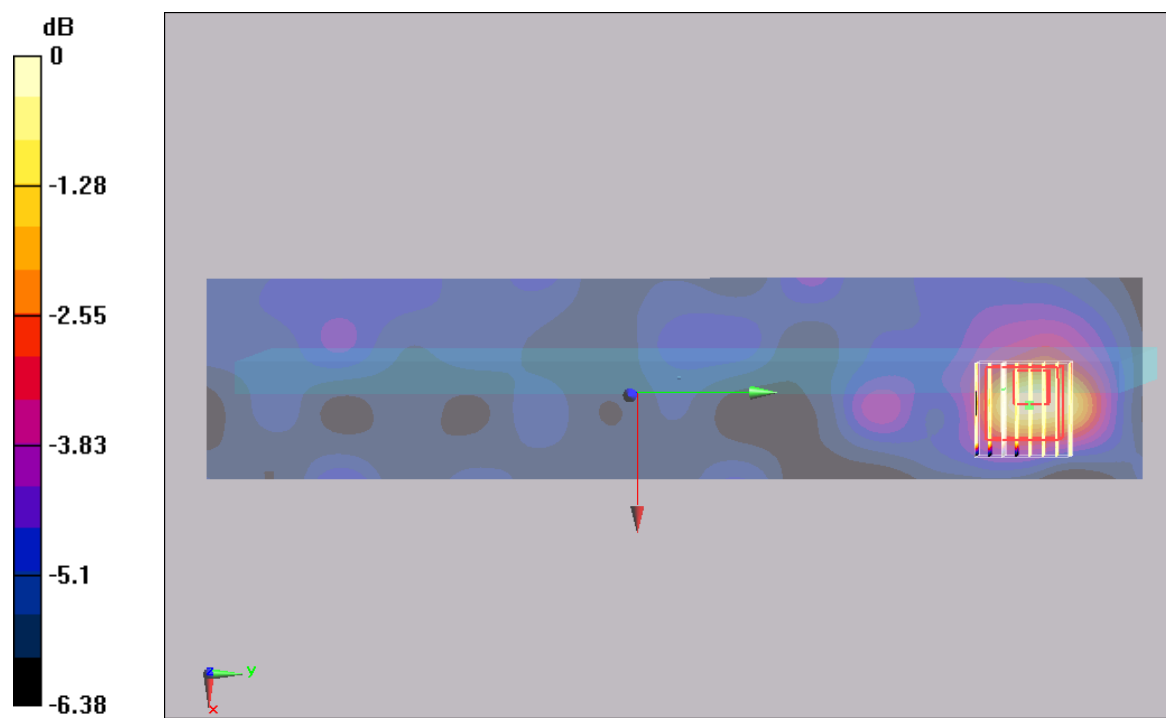
Ch36/Zoom Scan (8x8x10)/Cube 0: Measurement grid: $dx=4\text{mm}$, $dy=4\text{mm}$, $dz=2.5\text{mm}$

Reference Value = 2.53 V/m ; Power Drift = 0.147 dB

Peak SAR (extrapolated) = 2.82 W/kg

SAR(1 g) = 0.263 mW/g ; SAR(10 g) = 0.120 mW/g

Maximum value of SAR (measured) = 0.460 mW/g



0 dB = 0.113mW/g

#24 802.11a_Bottom Face_0cm_Ch52_Ant 0

DUT: 241407

Communication System: 802.11a; Frequency: 5260 MHz; Duty Cycle: 1:1

Medium: MSL_5G_120509 Medium parameters used: $f = 5260 \text{ MHz}$; $\sigma = 5.31 \text{ mho/m}$; $\epsilon_r = 47.4$; $\rho = 1000 \text{ kg/m}^3$

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3819; ConvF(4.16, 4.16, 4.16); Calibrated: 2011/11/16
- 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 45

Ch52/Area Scan (101x301x1): Measurement grid: $dx=10\text{mm}$, $dy=10\text{mm}$

Maximum value of SAR (interpolated) = 0.303 mW/g

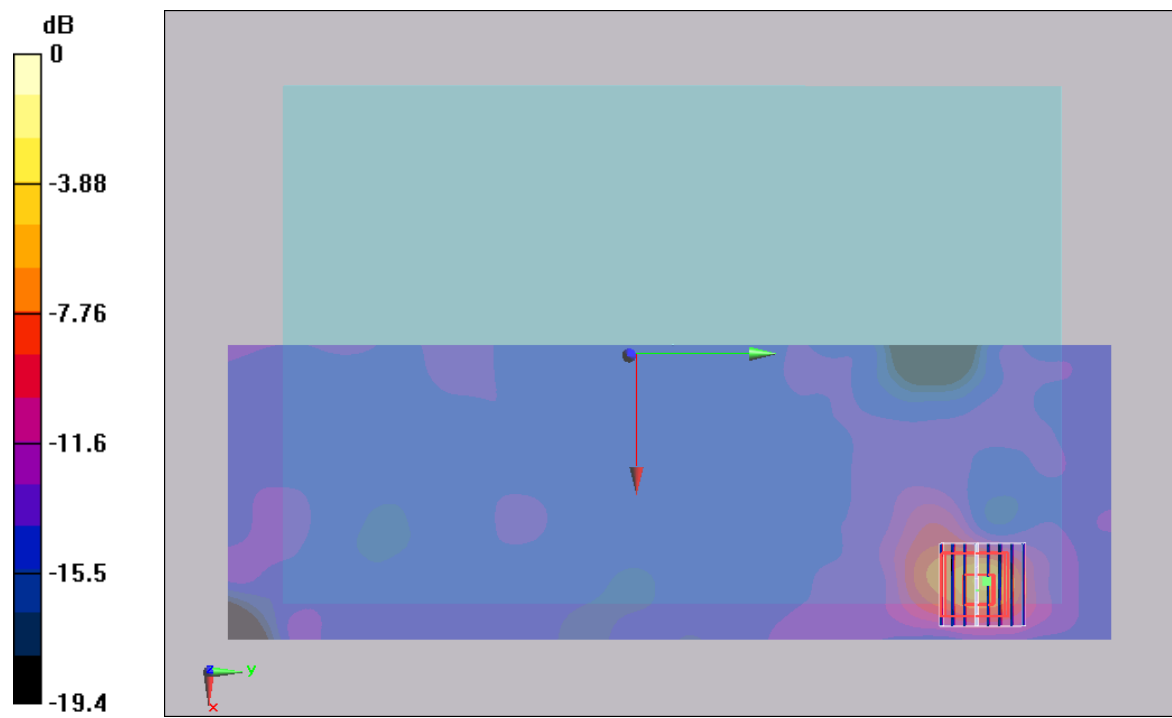
Ch52/Zoom Scan (8x8x10)/Cube 0: Measurement grid: $dx=4\text{mm}$, $dy=4\text{mm}$, $dz=2.5\text{mm}$

Reference Value = 2.25 V/m ; Power Drift = -0.109 dB

Peak SAR (extrapolated) = 1.38 W/kg

SAR(1 g) = 0.365 mW/g ; SAR(10 g) = 0.116 mW/g

Maximum value of SAR (measured) = 0.881 mW/g



#24 802.11a_Bottom Face_0cm_Ch52_Ant 0_2D

DUT: 241407

Communication System: 802.11a; Frequency: 5260 MHz;Duty Cycle: 1:1

Medium: MSL_5G_120509 Medium parameters used: f = 5260 MHz; $\sigma = 5.31 \text{ mho/m}$; $\epsilon_r = 47.4$; $\rho = 1000 \text{ kg/m}^3$

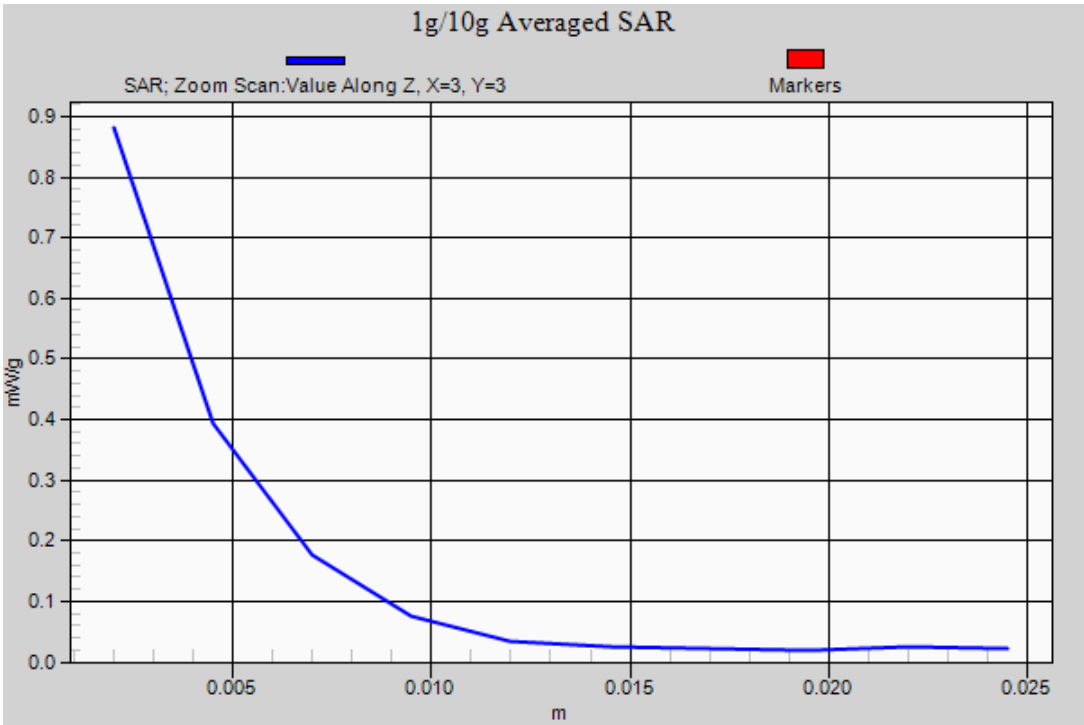
Ambient Temperature : 22.6 °C ; Liquid Temperature : 21.6 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3819; ConvF(4.16, 4.16, 4.16); Calibrated: 2011/11/16
- 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 45

Ch52/Area Scan (101x301x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.303 mW/g

Ch52/Zoom Scan (8x8x10)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 2.25 V/m; Power Drift = -0.109 dB
Peak SAR (extrapolated) = 1.38 W/kg
SAR(1 g) = 0.365 mW/g; SAR(10 g) = 0.116 mW/g
Maximum value of SAR (measured) = 0.881 mW/g



#25 802.11a_Primary Portrait_0cm_Ch52_Ant 0

DUT: 241407

Communication System: 802.11a; Frequency: 5260 MHz; Duty Cycle: 1:1

Medium: MSL_5G_120509 Medium parameters used: $f = 5260 \text{ MHz}$; $\sigma = 5.31 \text{ mho/m}$; $\epsilon_r = 47.4$; $\rho = 1000 \text{ kg/m}^3$

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3819; ConvF(4.16, 4.16, 4.16); Calibrated: 2011/11/16
- 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 45

Ch52/Area Scan (81x241x1): Measurement grid: $dx=10\text{mm}$, $dy=10\text{mm}$

Maximum value of SAR (interpolated) = 0.067 mW/g

Ch52/Zoom Scan (8x8x10)/Cube 0: Measurement grid: $dx=4\text{mm}$, $dy=4\text{mm}$, $dz=2.5\text{mm}$

Reference Value = 2.29 V/m ; Power Drift = -0.133 dB

Peak SAR (extrapolated) = 0.305 W/kg

SAR(1 g) = 0.122 mW/g ; SAR(10 g) = 0.087 mW/g

Maximum value of SAR (measured) = 0.180 mW/g

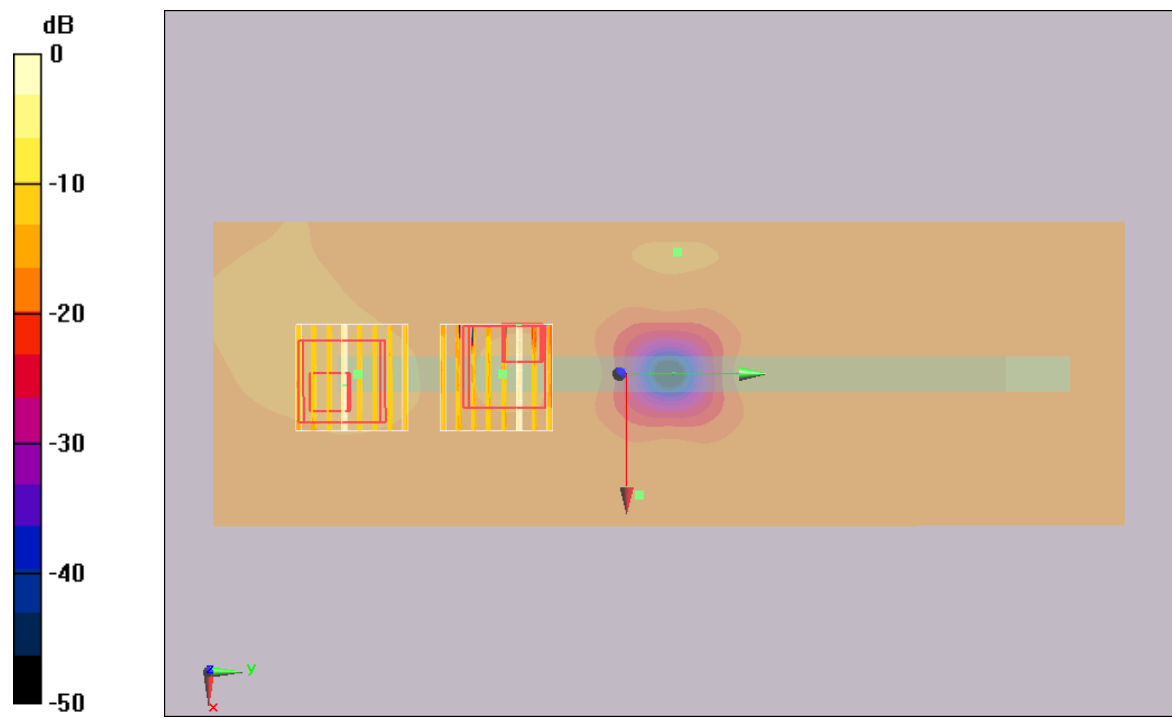
Ch52/Zoom Scan (8x8x10)/Cube 1: Measurement grid: $dx=4\text{mm}$, $dy=4\text{mm}$, $dz=2.5\text{mm}$

Reference Value = 2.29 V/m ; Power Drift = -0.133 dB

Peak SAR (extrapolated) = 0.980 W/kg

SAR(1 g) = 0.00305 mW/g ; SAR(10 g) = 0.000147 mW/g

Maximum value of SAR (measured) = 0.980 mW/g



#26 802.11a_Secondary Landscape_0cm_Ch52_Ant 0

DUT: 241407

Communication System: 802.11a; Frequency: 5260 MHz; Duty Cycle: 1:1

Medium: MSL_5G_120509 Medium parameters used: $f = 5260 \text{ MHz}$; $\sigma = 5.31 \text{ mho/m}$; $\epsilon_r = 47.4$; $\rho = 1000 \text{ kg/m}^3$

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3819; ConvF(4.16, 4.16, 4.16); Calibrated: 2011/11/16
- 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 45

Ch52/Area Scan (61x281x1): Measurement grid: $dx=10\text{mm}$, $dy=10\text{mm}$

Maximum value of SAR (interpolated) = 0.193 mW/g

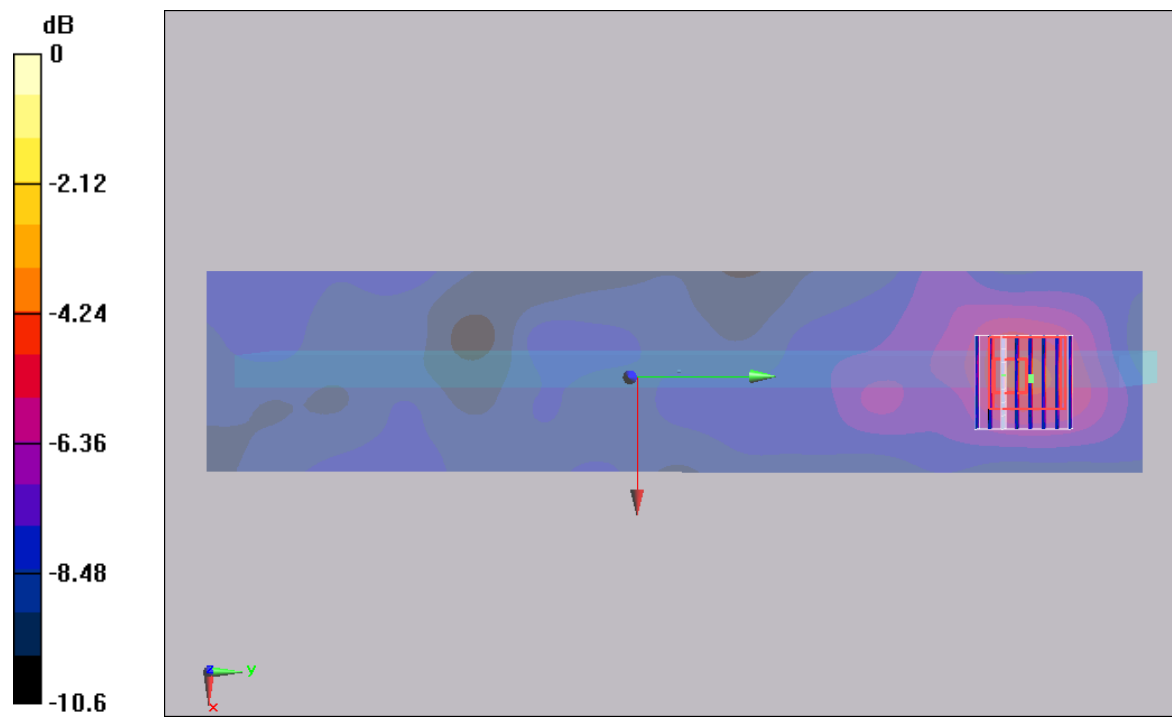
Ch52/Zoom Scan (8x8x10)/Cube 0: Measurement grid: $dx=4\text{mm}$, $dy=4\text{mm}$, $dz=2.5\text{mm}$

Reference Value = 4.39 V/m ; Power Drift = -0.130 dB

Peak SAR (extrapolated) = 1.2 W/kg

SAR(1 g) = 0.323 mW/g ; SAR(10 g) = 0.162 mW/g

Maximum value of SAR (measured) = 0.558 mW/g



0 dB = 0.558mW/g

#27 802.11a_Bottom Face_0cm_Ch116_Ant 0

DUT: 241407

Communication System: 802.11a; Frequency: 5580 MHz; Duty Cycle: 1:1

Medium: MSL_5G_120509 Medium parameters used : $f = 5580 \text{ MHz}$; $\sigma = 5.76 \text{ mho/m}$; $\epsilon_r = 46.8$; $\rho = 1000 \text{ kg/m}^3$

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3819; ConvF(3.9, 3.9, 3.9); Calibrated: 2011/11/16
- 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 45

Ch116/Area Scan (101x301x1): Measurement grid: $dx=10\text{mm}$, $dy=10\text{mm}$

Maximum value of SAR (interpolated) = 0.344 mW/g

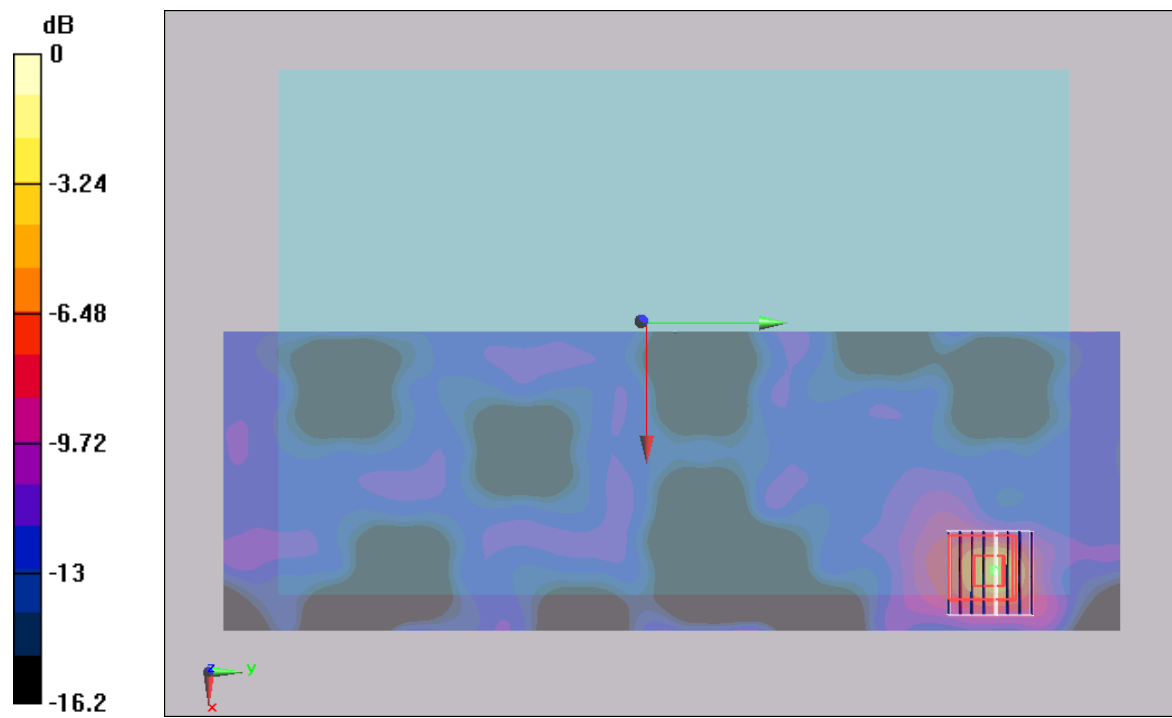
Ch116/Zoom Scan (8x8x10)/Cube 0: Measurement grid: $dx=4\text{mm}$, $dy=4\text{mm}$, $dz=2.5\text{mm}$

Reference Value = 2.39 V/m ; Power Drift = -0.183 dB

Peak SAR (extrapolated) = 1.8 W/kg

SAR(1 g) = 0.349 mW/g ; SAR(10 g) = 0.103 mW/g

Maximum value of SAR (measured) = 0.746 mW/g



0 dB = 0.746mW/g

#27 802.11a_Bottom Face_0cm_Ch116_Ant 0_2D

DUT: 241407

Communication System: 802.11a; Frequency: 5580 MHz; Duty Cycle: 1:1

Medium: MSL_5G_120509 Medium parameters used: $f = 5580$ MHz; $\sigma = 5.76$ mho/m; $\epsilon_r = 46.8$; $\rho = 1000$ kg/m³

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3819; ConvF(3.9, 3.9, 3.9); Calibrated: 2011/11/16
- 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 45

Ch116/Area Scan (101x301x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.344 mW/g

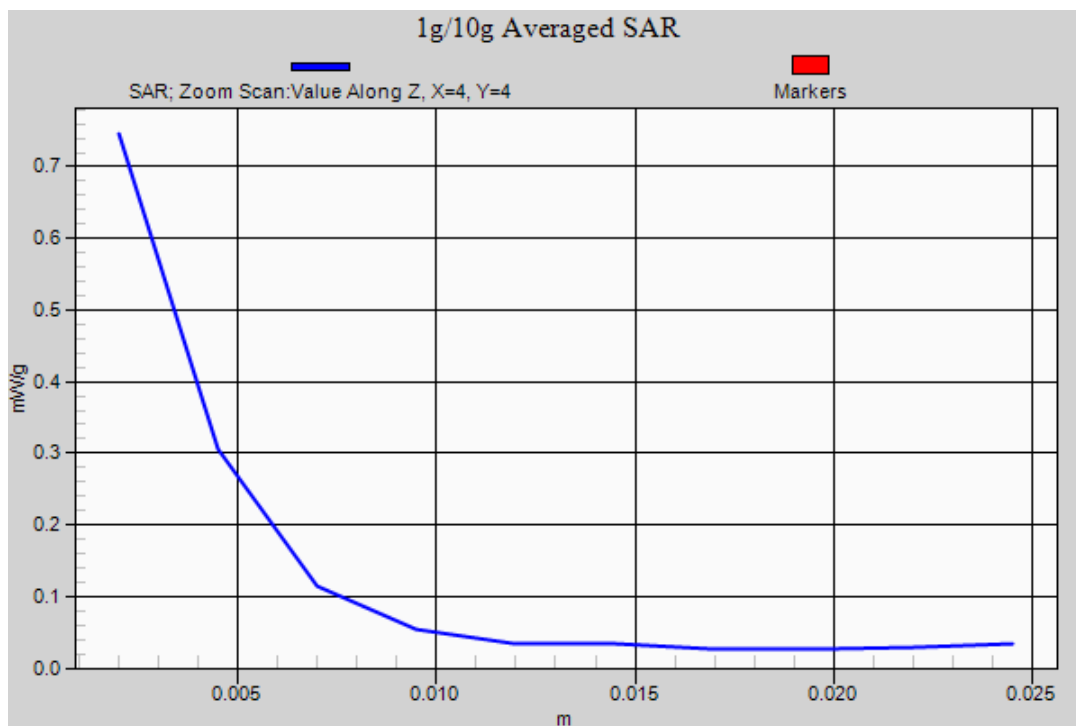
Ch116/Zoom Scan (8x8x10)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 2.39 V/m; Power Drift = -0.183 dB

Peak SAR (extrapolated) = 1.8 W/kg

SAR(1 g) = 0.349 mW/g; SAR(10 g) = 0.103 mW/g

Maximum value of SAR (measured) = 0.746 mW/g



#28 802.11a_Primary Portrait_0cm_Ch116_Ant 0

DUT: 241407

Communication System: 802.11a; Frequency: 5580 MHz; Duty Cycle: 1:1

Medium: MSL_5G_120509 Medium parameters used : $f = 5580 \text{ MHz}$; $\sigma = 5.76 \text{ mho/m}$; $\epsilon_r = 46.8$; $\rho = 1000 \text{ kg/m}^3$

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3819; ConvF(3.9, 3.9, 3.9); Calibrated: 2011/11/16
- 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 45

Ch116/Area Scan (141x1201x1): Measurement grid: $dx=10\text{mm}$, $dy=10\text{mm}$

Maximum value of SAR (interpolated) = 0.093 mW/g

Ch116/Zoom Scan (8x8x10)/Cube 0: Measurement grid: $dx=4\text{mm}$, $dy=4\text{mm}$, $dz=2.5\text{mm}$

Reference Value = 3.02 V/m ; Power Drift = -0.152 dB

Peak SAR (extrapolated) = 0.391 W/kg

SAR(1 g) = 0.041 mW/g ; SAR(10 g) = 0.013 mW/g

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

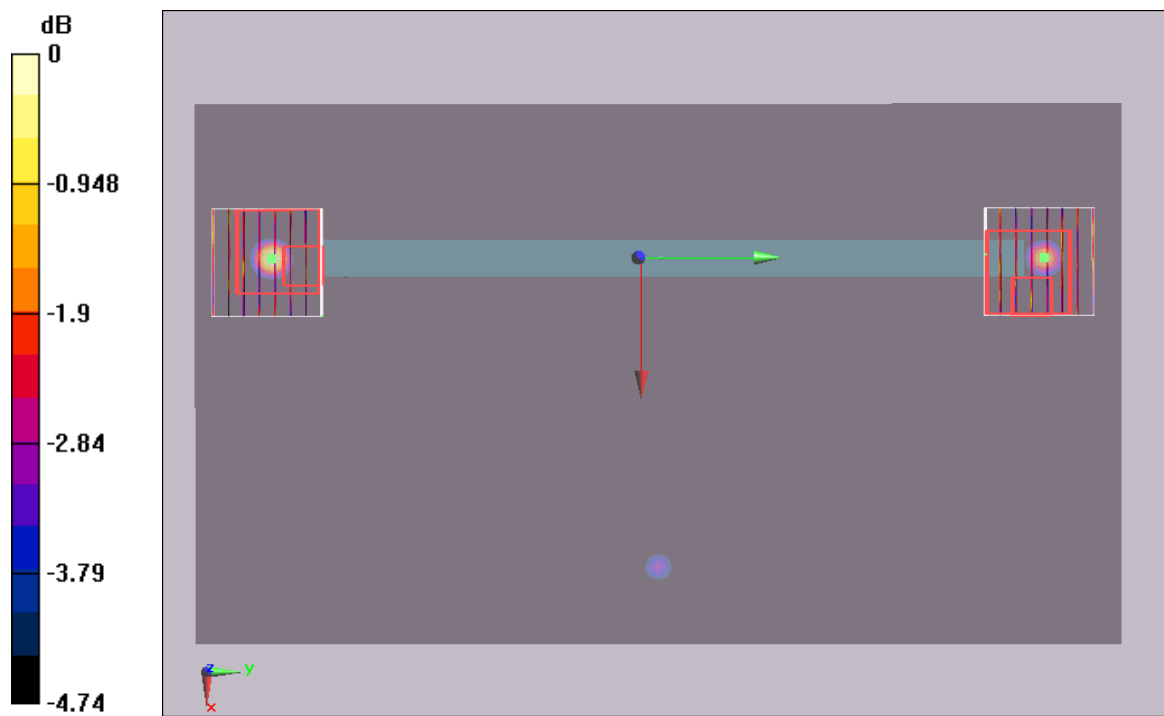
Ch116/Zoom Scan (8x8x10)/Cube 1: Measurement grid: $dx=4\text{mm}$, $dy=4\text{mm}$, $dz=2.5\text{mm}$

Reference Value = 3.02 V/m ; Power Drift = -0.152 dB

Peak SAR (extrapolated) = 0.105 W/kg

SAR(1 g) = 0.00792 mW/g ; SAR(10 g) = 0.00139 mW/g

Maximum value of SAR (measured) = 0.091 mW/g



#29 802.11a_Secondary Landscape_0cm_Ch116_Ant 0

DUT: 241407

Communication System: 802.11a; Frequency: 5580 MHz; Duty Cycle: 1:1

Medium: MSL_5G_120509 Medium parameters used : $f = 5580 \text{ MHz}$; $\sigma = 5.76 \text{ mho/m}$; $\epsilon_r = 46.8$; $\rho = 1000 \text{ kg/m}^3$

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3819; ConvF(3.9, 3.9, 3.9); Calibrated: 2011/11/16
- 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 45

Ch116/Area Scan (61x281x1): Measurement grid: $dx=10\text{mm}$, $dy=10\text{mm}$

Maximum value of SAR (interpolated) = 0.096 mW/g

Ch116/Zoom Scan (8x8x10)/Cube 0: Measurement grid: $dx=4\text{mm}$, $dy=4\text{mm}$, $dz=2.5\text{mm}$

Reference Value = 2.64 V/m ; Power Drift = -0.107 dB

Peak SAR (extrapolated) = 0.686 W/kg

SAR(1 g) = 0.182 mW/g ; SAR(10 g) = 0.046 mW/g

Maximum value of SAR (measured) = 0.493 mW/g

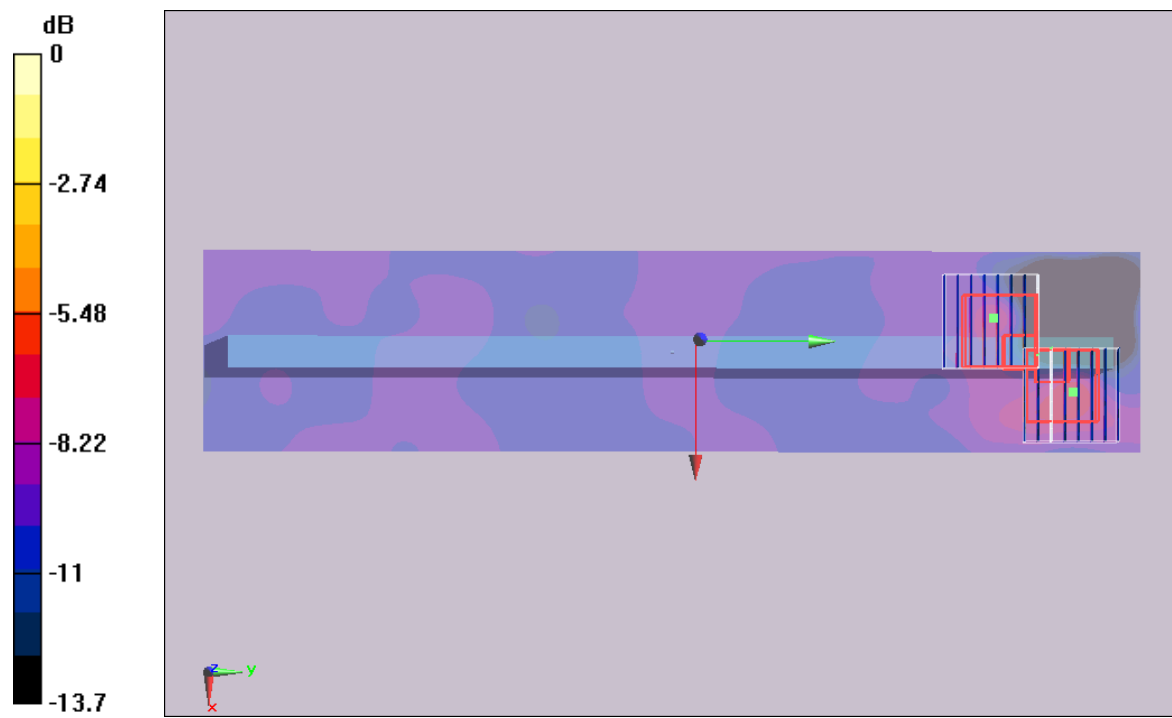
Ch116/Zoom Scan (8x8x10)/Cube 1: Measurement grid: $dx=4\text{mm}$, $dy=4\text{mm}$, $dz=2.5\text{mm}$

Reference Value = 2.64 V/m ; Power Drift = -0.107 dB

Peak SAR (extrapolated) = 0.746 W/kg

SAR(1 g) = 0.163 mW/g ; SAR(10 g) = 0.052 mW/g

Maximum value of SAR (measured) = 0.415 mW/g



0 dB = 0.415mW/g

#30 802.11n_20M_Bottom Face_0cm_Ch116_Ant 0

DUT: 241407

Communication System: 802.11n; Frequency: 5580 MHz; Duty Cycle: 1:1

Medium: MSL_5G_120509 Medium parameters used : $f = 5580 \text{ MHz}$; $\sigma = 5.76 \text{ mho/m}$; $\epsilon_r = 46.8$; $\rho = 1000 \text{ kg/m}^3$

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3819; ConvF(3.9, 3.9, 3.9); Calibrated: 2011/11/16
- 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 45

Ch116/Area Scan (101x301x1): Measurement grid: $dx=10\text{mm}$, $dy=10\text{mm}$

Maximum value of SAR (interpolated) = 0.132 mW/g

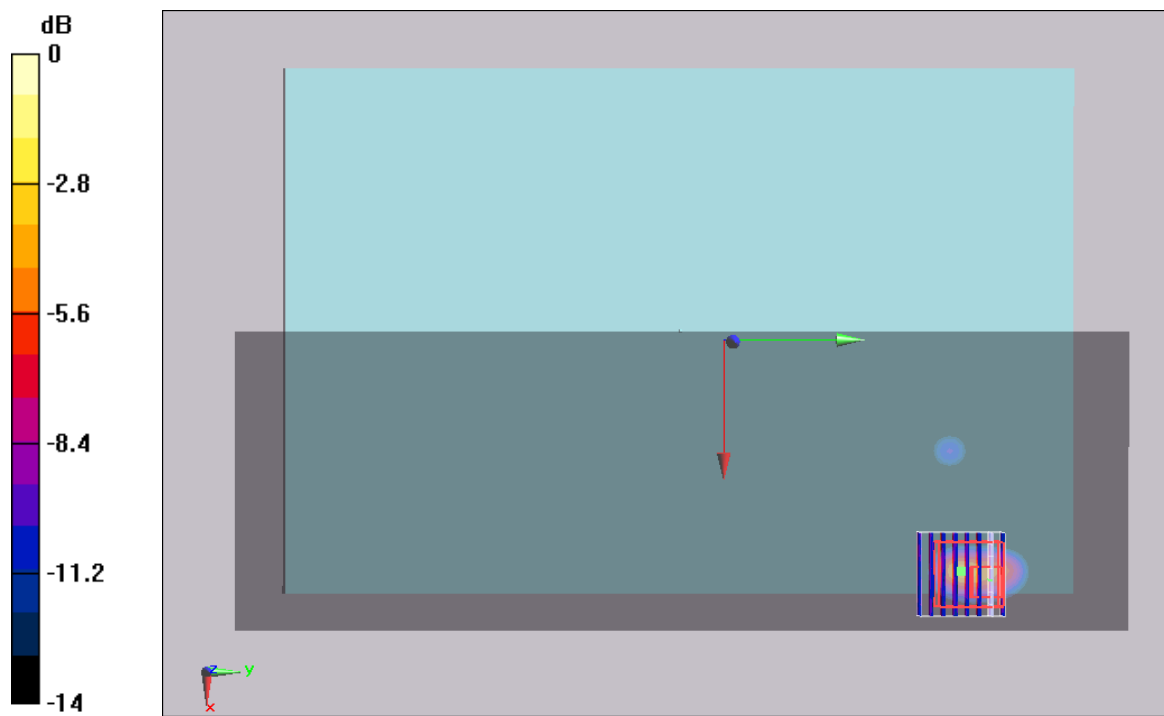
Ch116/Zoom Scan (8x8x10)/Cube 0: Measurement grid: $dx=4\text{mm}$, $dy=4\text{mm}$, $dz=2.5\text{mm}$

Reference Value = 2.42 V/m ; Power Drift = -0.126 dB

Peak SAR (extrapolated) = 0.688 W/kg

SAR(1 g) = 0.144 mW/g ; SAR(10 g) = 0.038 mW/g

Maximum value of SAR (measured) = 0.336 mW/g



#31 802.11a_Bottom Face_0cm_Ch149_Ant 0

DUT: 241407

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

Medium: MSL_5G_120509 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 : 22.6°C ; Liquid Temperature : 21.6°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3819; ConvF(4.02, 4.02, 4.02); Calibrated: 2011/11/16
- 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 45

Ch149/Area Scan (101x301x1): Measurement grid: $dx=10\text{mm}$, $dy=10\text{mm}$

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

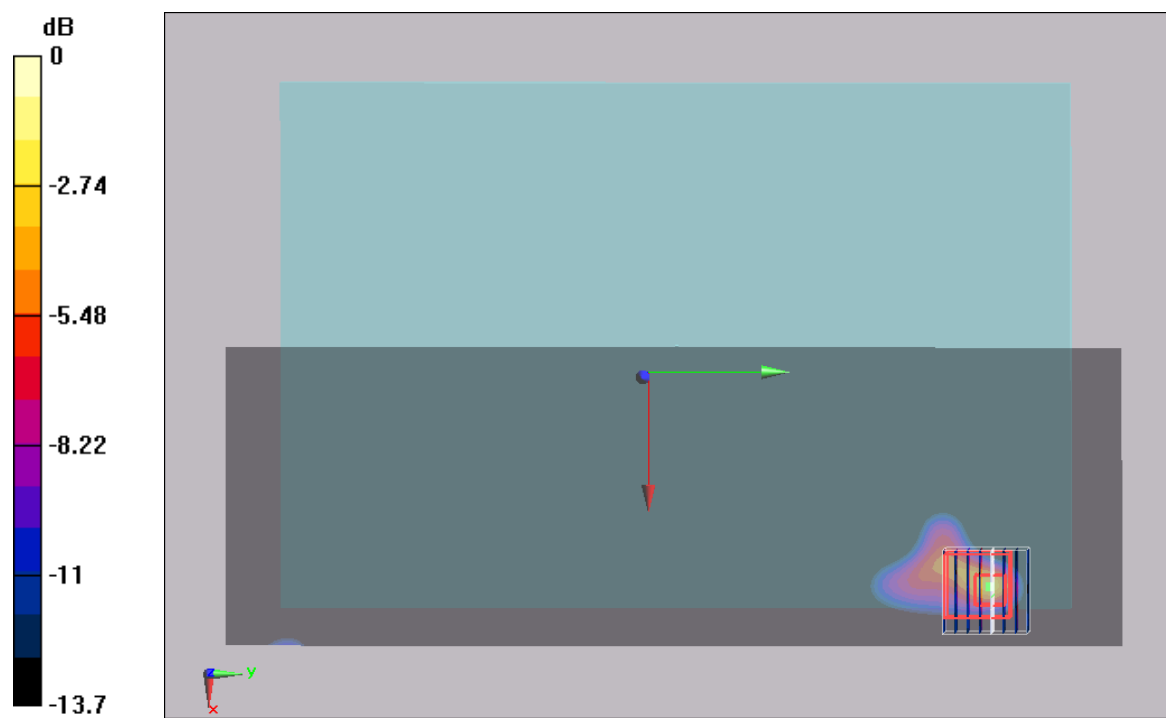
Ch149/Zoom Scan (8x8x10)/Cube 0: Measurement grid: $dx=4\text{mm}$, $dy=4\text{mm}$, $dz=2.5\text{mm}$

Reference Value = 2.52 V/m ; Power Drift = -0.188 dB

Peak SAR (extrapolated) = 0.853 W/kg

SAR(1 g) = 0.174 mW/g ; SAR(10 g) = 0.044 mW/g

Maximum value of SAR (measured) = 0.427 mW/g



#32 802.11a_Primary Portrait_0cm_Ch149_Ant 0**DUT: 241407**

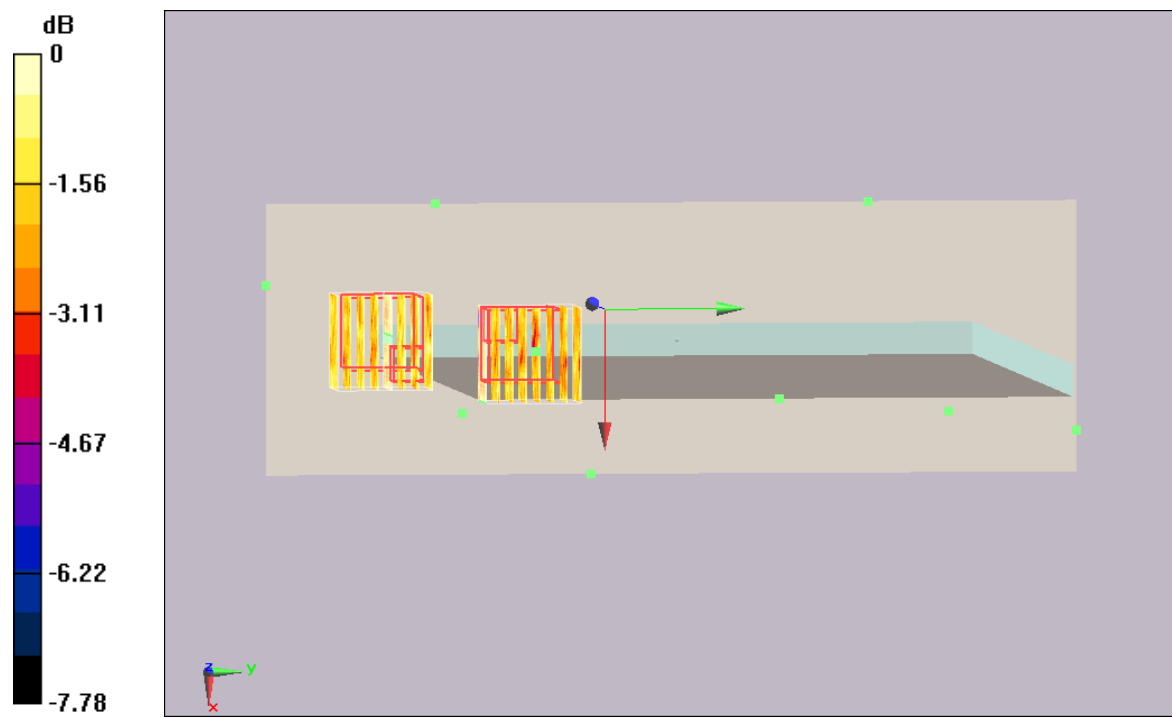
Communication System: 802.11a; Frequency: 5745 MHz; Duty Cycle: 1:1

Medium: MSL_5G_120509 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 : 22.6°C ; Liquid Temperature : 21.6°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3819; ConvF(4.02, 4.02, 4.02); Calibrated: 2011/11/16
- 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 45

Ch149./Area Scan (81x241x1): Measurement grid: $dx=10\text{mm}$, $dy=10\text{mm}$ Maximum value of SAR (interpolated) = 0.151 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 = 3.82 V/m ; Power Drift = -0.122 dB Peak SAR (extrapolated) = 0.204 W/kg **SAR(1 g) = 0.022 mW/g ; SAR(10 g) = 0.00903 mW/g** Maximum value of SAR (measured) = 0.064 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 = 3.82 V/m ; Power Drift = -0.122 dB Peak SAR (extrapolated) = 0.095 W/kg **SAR(1 g) = 0.00464 mW/g ; SAR(10 g) = 0.00136 mW/g** Maximum value of SAR (measured) = 0.039 mW/g



#33 802.11a_Secondary Landscape_0cm_Ch149_Ant 0

DUT: 241407

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

Medium: MSL_5G_120509 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 : 22.6°C ; Liquid Temperature : 21.6°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3819; ConvF(4.02, 4.02, 4.02); Calibrated: 2011/11/16
- 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 45

Ch149/Area Scan (81x281x1): Measurement grid: $dx=10\text{mm}$, $dy=10\text{mm}$

Maximum value of SAR (interpolated) = 0.230 mW/g

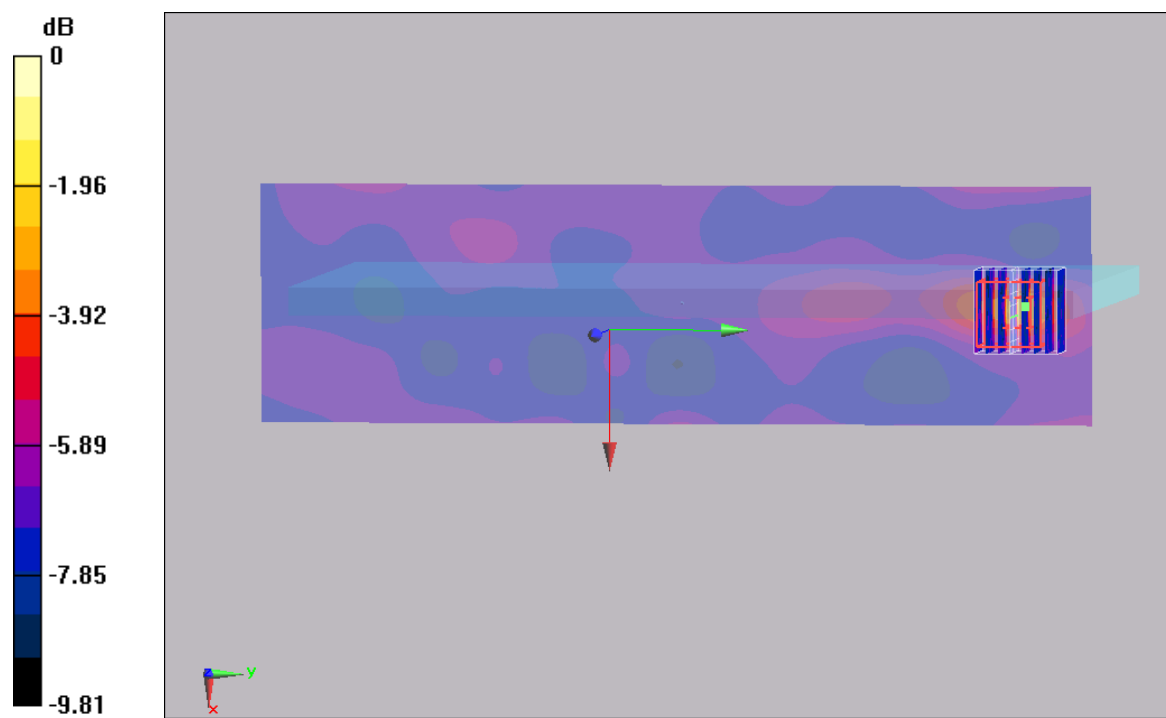
Ch149/Zoom Scan (8x8x10)/Cube 0: Measurement grid: $dx=4\text{mm}$, $dy=4\text{mm}$, $dz=2.5\text{mm}$

Reference Value = 3.57 V/m ; Power Drift = -0.199 dB

Peak SAR (extrapolated) = 1.000 W/kg

SAR(1 g) = 0.226 mW/g ; SAR(10 g) = 0.111 mW/g

Maximum value of SAR (measured) = 0.421 mW/g



0 dB = 0.421mW/g

#33 802.11a_Secondary Landscape_0cm_Ch149_Ant 0_2D

DUT: 241407

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

Medium: MSL_5G_120509 Medium parameters used: $f = 5745$ MHz; $\sigma = 6.08$ mho/m; $\epsilon_r = 46.7$; $\rho = 1000$ kg/m³

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3819; ConvF(4.02, 4.02, 4.02); Calibrated: 2011/11/16
- 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 45

Ch149/Area Scan (81x281x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.230 mW/g

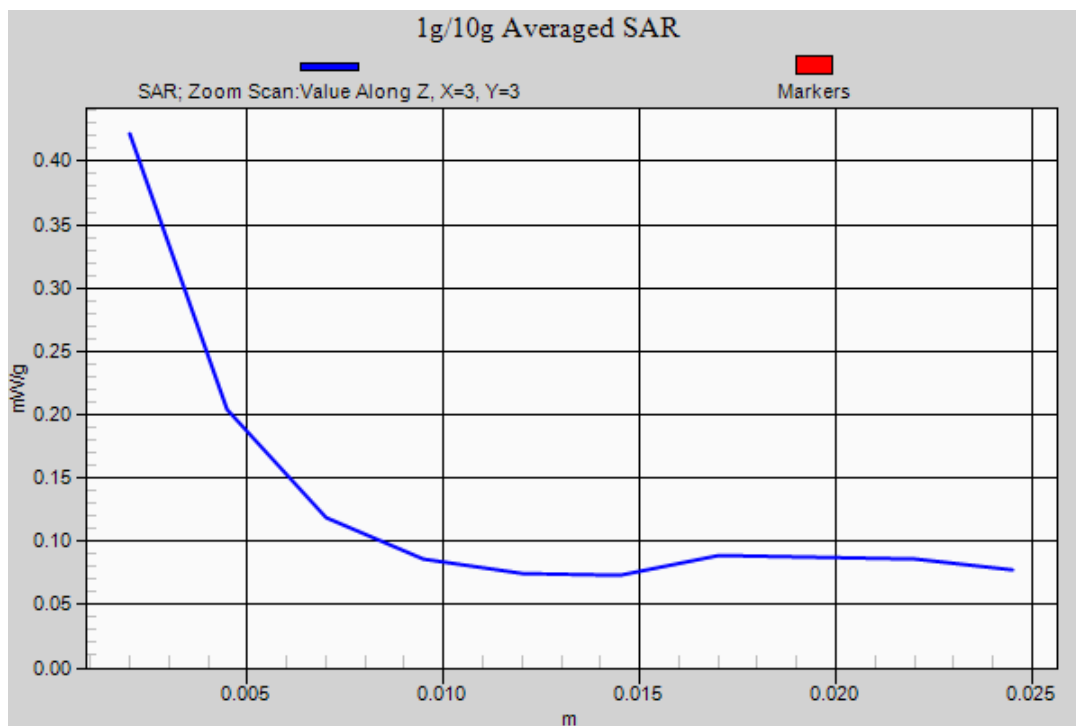
Ch149/Zoom Scan (8x8x10)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 3.57 V/m; Power Drift = -0.199 dB

Peak SAR (extrapolated) = 1.000 W/kg

SAR(1 g) = 0.226 mW/g; SAR(10 g) = 0.111 mW/g

Maximum value of SAR (measured) = 0.421 mW/g



#34 802.11n_20M_Secondary Landscape_0cm_Ch149_Ant 0

DUT: 241407

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

Medium: MSL_5G_120509 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 : 22.6°C ; Liquid Temperature : 21.6°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3819; ConvF(4.02, 4.02, 4.02); Calibrated: 2011/11/16
- 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 45

Ch149/Area Scan (81x281x1): Measurement grid: $dx=10\text{mm}$, $dy=10\text{mm}$

Maximum value of SAR (interpolated) = 0.173 mW/g

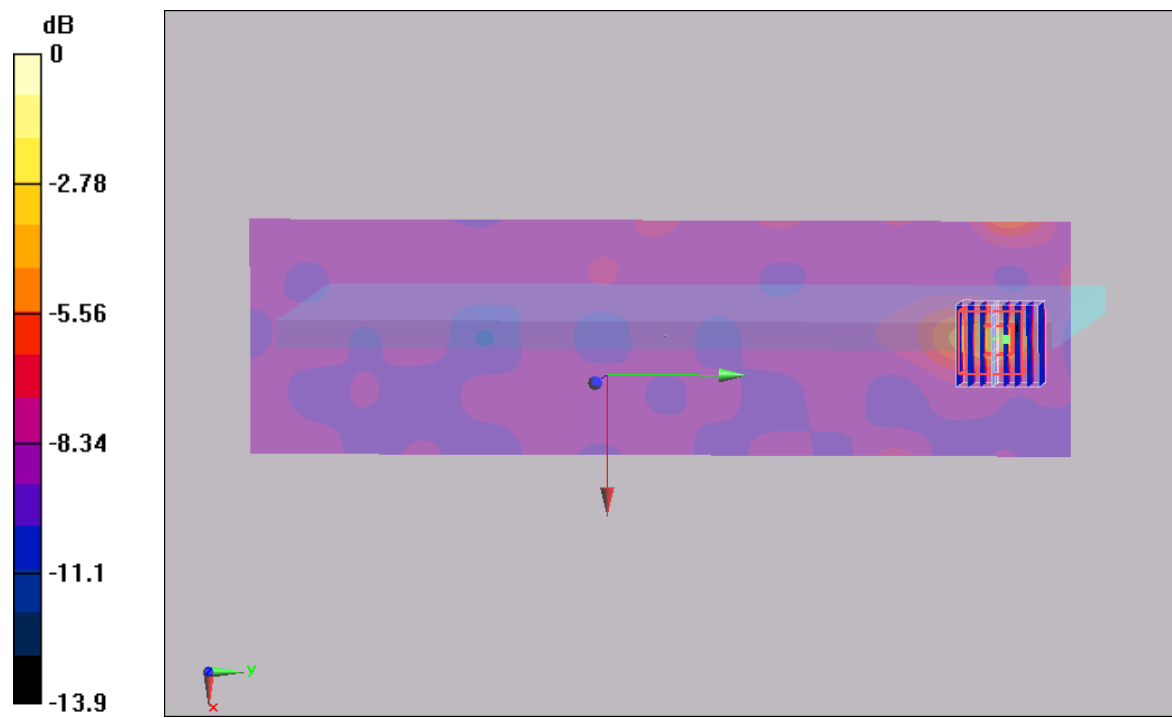
Ch149/Zoom Scan (8x8x10)/Cube 0: Measurement grid: $dx=4\text{mm}$, $dy=4\text{mm}$, $dz=2.5\text{mm}$

Reference Value = 2.63 V/m ; Power Drift = -0.168 dB

Peak SAR (extrapolated) = 0.812 W/kg

SAR(1 g) = 0.189 mW/g ; SAR(10 g) = 0.073 mW/g

Maximum value of SAR (measured) = 0.369 mW/g



#04 802.11a_Bottom Face_0cm_Ch36_Ant 1

DUT: 241407

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

Medium: MSL_5G_120509 Medium parameters used: $f = 5180 \text{ MHz}$; $\sigma = 5.22 \text{ mho/m}$; $\epsilon_r = 47.5$; $\rho = 1000 \text{ kg/m}^3$

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3819; ConvF(4.48, 4.48, 4.48); Calibrated: 2011/11/16
- 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 45

Ch36/Area Scan (201x301x1): Measurement grid: $dx=10\text{mm}$, $dy=10\text{mm}$

Maximum value of SAR (interpolated) = 0.265 mW/g

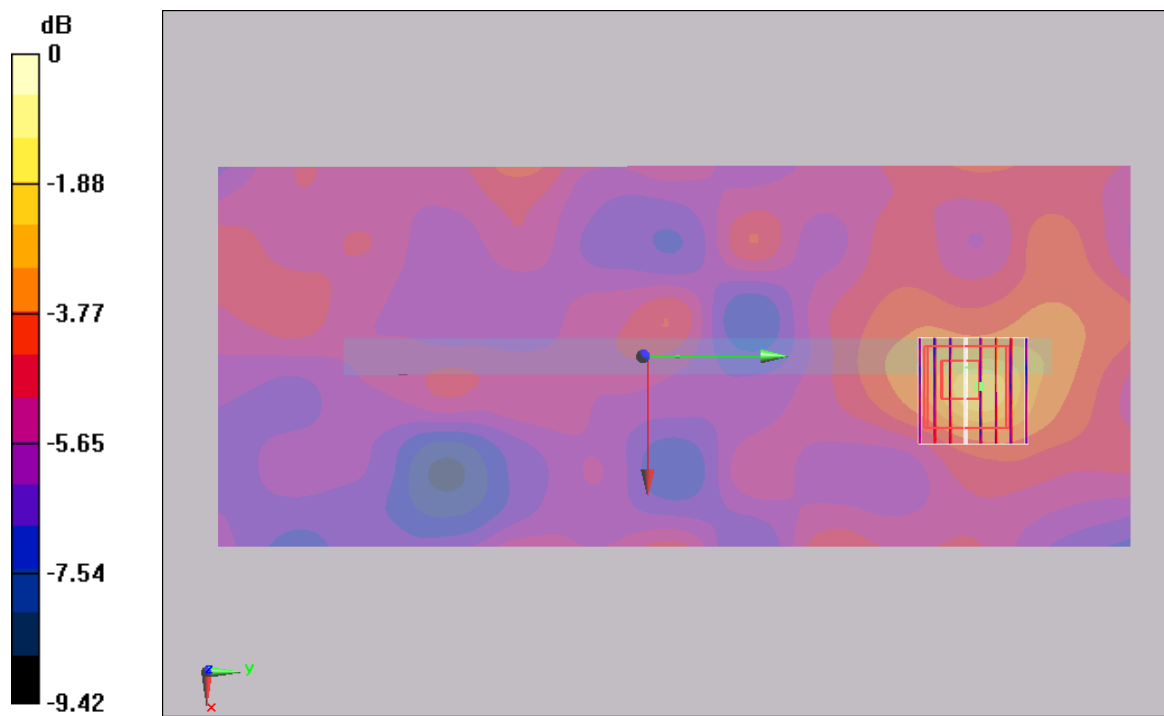
Ch36/Zoom Scan (8x8x10)/Cube 0: Measurement grid: $dx=4\text{mm}$, $dy=4\text{mm}$, $dz=2.5\text{mm}$

Reference Value = 2.26 V/m ; Power Drift = -0.197 dB

Peak SAR (extrapolated) = 1.64 W/kg

SAR(1 g) = 0.430 mW/g ; SAR(10 g) = 0.134 mW/g

Maximum value of SAR (measured) = 0.859 mW/g



0 dB = 0.193mW/g

#06 802.11a_Secondary Landscape_0cm_Ch36_Ant 1

DUT: 241407

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

Medium: MSL_5G_120509 Medium parameters used: $f = 5180 \text{ MHz}$; $\sigma = 5.22 \text{ mho/m}$; $\epsilon_r = 47.5$; $\rho = 1000 \text{ kg/m}^3$

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3819; ConvF(4.48, 4.48, 4.48); Calibrated: 2011/11/16
- 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 45

Ch36/Area Scan (61x281x1): Measurement grid: $dx=10\text{mm}$, $dy=10\text{mm}$

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

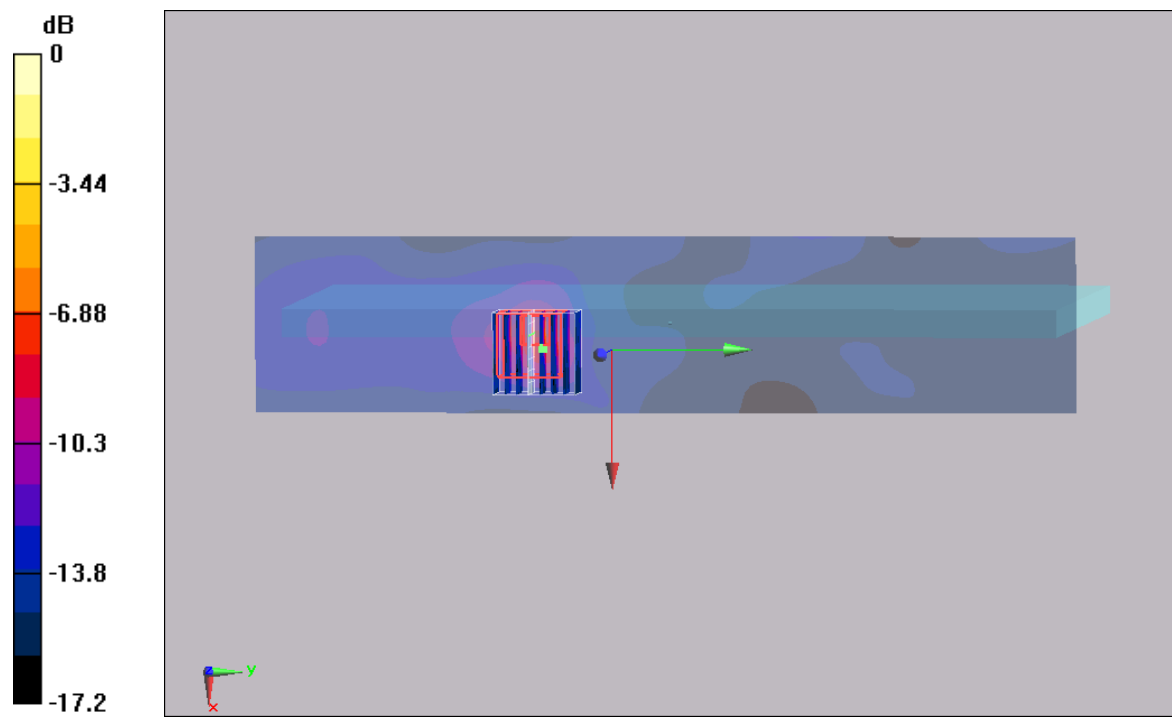
Ch36/Zoom Scan (8x8x10)/Cube 0: Measurement grid: $dx=4\text{mm}$, $dy=4\text{mm}$, $dz=2.5\text{mm}$

Reference Value = 4.26 V/m ; Power Drift = -0.189 dB

Peak SAR (extrapolated) = 4.77 W/kg

SAR(1 g) = 1.03 mW/g ; SAR(10 g) = 0.274 mW/g

Maximum value of SAR (measured) = 2.19 mW/g



#06 802.11a_Secondary Landscape_0cm_Ch36_Ant 1_2D

DUT: 241407

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

Medium: MSL_5G_120509 Medium parameters used: $f = 5180 \text{ MHz}$; $\sigma = 5.22 \text{ mho/m}$; $\epsilon_r = 47.5$; $\rho = 1000 \text{ kg/m}^3$

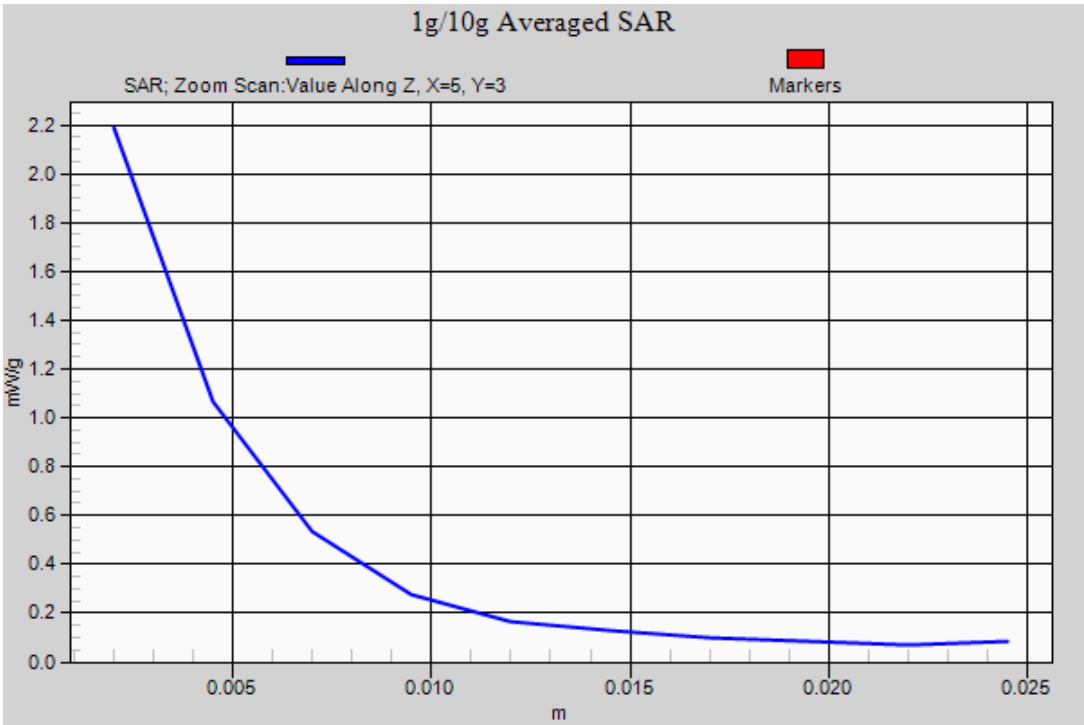
Ambient Temperature : 22.6 °C ; Liquid Temperature : 21.6 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3819; ConvF(4.48, 4.48, 4.48); Calibrated: 2011/11/16
- 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 45

Ch36/Area Scan (61x281x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.337 mW/g

Ch36/Zoom Scan (8x8x10)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 4.26 V/m; Power Drift = -0.189 dB
Peak SAR (extrapolated) = 4.77 W/kg
SAR(1 g) = 1.03 mW/g; SAR(10 g) = 0.274 mW/g
Maximum value of SAR (measured) = 2.19 mW/g



#07 802.11a_Secondary Landscape_0cm_Ch48_Ant 1

DUT: 241407

Communication System: 802.11a; Frequency: 5240 MHz; Duty Cycle: 1:1

Medium: MSL_5G_120509 Medium parameters used: $f = 5240 \text{ MHz}$; $\sigma = 5.28 \text{ mho/m}$; $\epsilon_r = 47.4$; $\rho = 1000 \text{ kg/m}^3$

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3819; ConvF(4.48, 4.48, 4.48); Calibrated: 2011/11/16
- 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 45

Ch48/Area Scan (61x281x1): Measurement grid: $dx=10\text{mm}$, $dy=10\text{mm}$

Maximum value of SAR (interpolated) = 0.369 mW/g

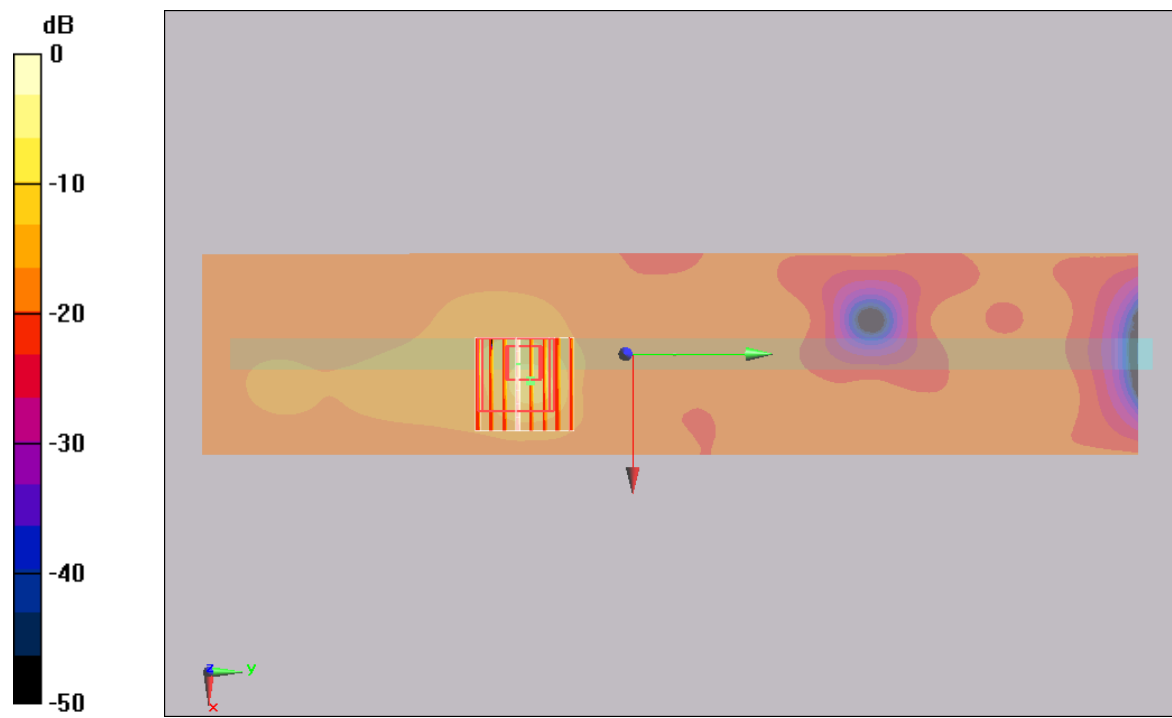
Ch48/Zoom Scan (8x8x10)/Cube 0: Measurement grid: $dx=4\text{mm}$, $dy=4\text{mm}$, $dz=2.5\text{mm}$

Reference Value = 2.78 V/m ; Power Drift = 0.025 dB

Peak SAR (extrapolated) = 3.73 W/kg

SAR(1 g) = 0.960 mW/g ; SAR(10 g) = 0.181 mW/g

Maximum value of SAR (measured) = 2.45 mW/g



0 dB = 2.45mW/g

#08 802.11a_Bottom Face_0cm_Ch52_Ant 1

DUT: 241407

Communication System: 802.11a; Frequency: 5260 MHz; Duty Cycle: 1:1

Medium: MSL_5G_120509 Medium parameters used: $f = 5260 \text{ MHz}$; $\sigma = 5.31 \text{ mho/m}$; $\epsilon_r = 47.4$; $\rho = 1000 \text{ kg/m}^3$

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3819; ConvF(4.16, 4.16, 4.16); Calibrated: 2011/11/16
- 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 45

Ch52/Area Scan (201x301x1): Measurement grid: $dx=10\text{mm}$, $dy=10\text{mm}$

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

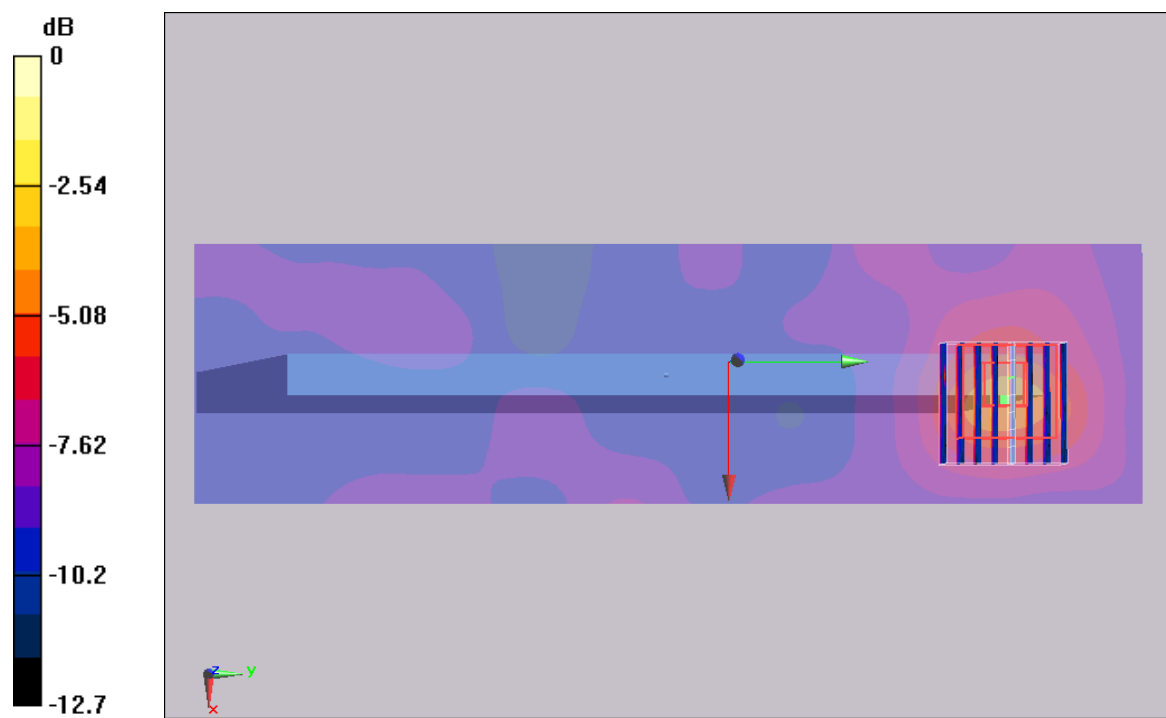
Ch52/Zoom Scan (8x8x10)/Cube 0: Measurement grid: $dx=4\text{mm}$, $dy=4\text{mm}$, $dz=2.5\text{mm}$

Reference Value = 2.09 V/m ; Power Drift = -0.116 dB

Peak SAR (extrapolated) = 2.09 W/kg

SAR(1 g) = 0.525 mW/g ; SAR(10 g) = 0.167 mW/g

Maximum value of SAR (measured) = 1.03 mW/g



0 dB = 0.254mW/g

#10 802.11a_Secondary Landscape_0cm_Ch52_Ant 1

DUT: 241407

Communication System: 802.11a; Frequency: 5260 MHz; Duty Cycle: 1:1

Medium: MSL_5G_120509 Medium parameters used: $f = 5260 \text{ MHz}$; $\sigma = 5.31 \text{ mho/m}$; $\epsilon_r = 47.4$; $\rho = 1000 \text{ kg/m}^3$

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3819; ConvF(4.16, 4.16, 4.16); Calibrated: 2011/11/16
- 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 45

Ch52/Area Scan (61x281x1): Measurement grid: $dx=10\text{mm}$, $dy=10\text{mm}$

Maximum value of SAR (interpolated) = 0.292 mW/g

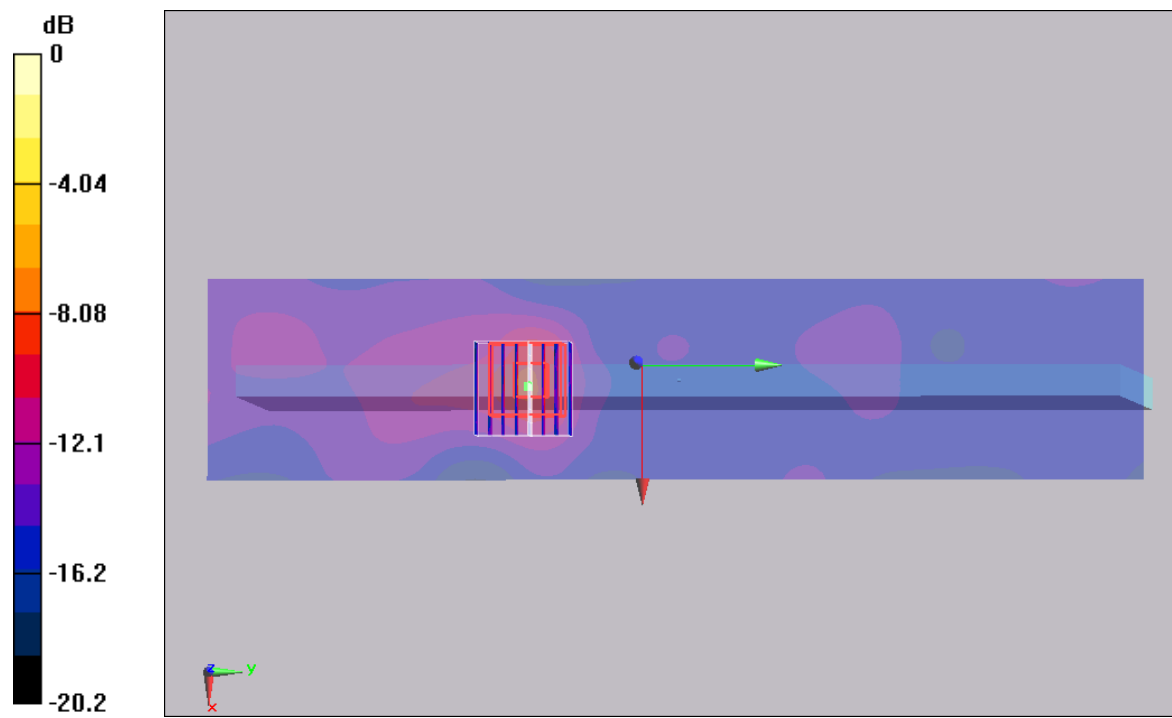
Ch52/Zoom Scan (8x8x10)/Cube 0: Measurement grid: $dx=4\text{mm}$, $dy=4\text{mm}$, $dz=2.5\text{mm}$

Reference Value = 4.31 V/m ; Power Drift = -0.102 dB

Peak SAR (extrapolated) = 5 W/kg

SAR(1 g) = 1.05 mW/g ; SAR(10 g) = 0.290 mW/g

Maximum value of SAR (measured) = 2.38 mW/g



0 dB = 2.38mW/g

#10 802.11a_Secondary Landscape_0cm_Ch52_Ant 1_2D

DUT: 241407

Communication System: 802.11a; Frequency: 5260 MHz; Duty Cycle: 1:1

Medium: MSL_5G_120509 Medium parameters used: $f = 5260$ MHz; $\sigma = 5.31$ mho/m; $\epsilon_r = 47.4$; $\rho = 1000$ kg/m³

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3819; ConvF(4.16, 4.16, 4.16); Calibrated: 2011/11/16
- 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 45

Ch52/Area Scan (61x281x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.292 mW/g

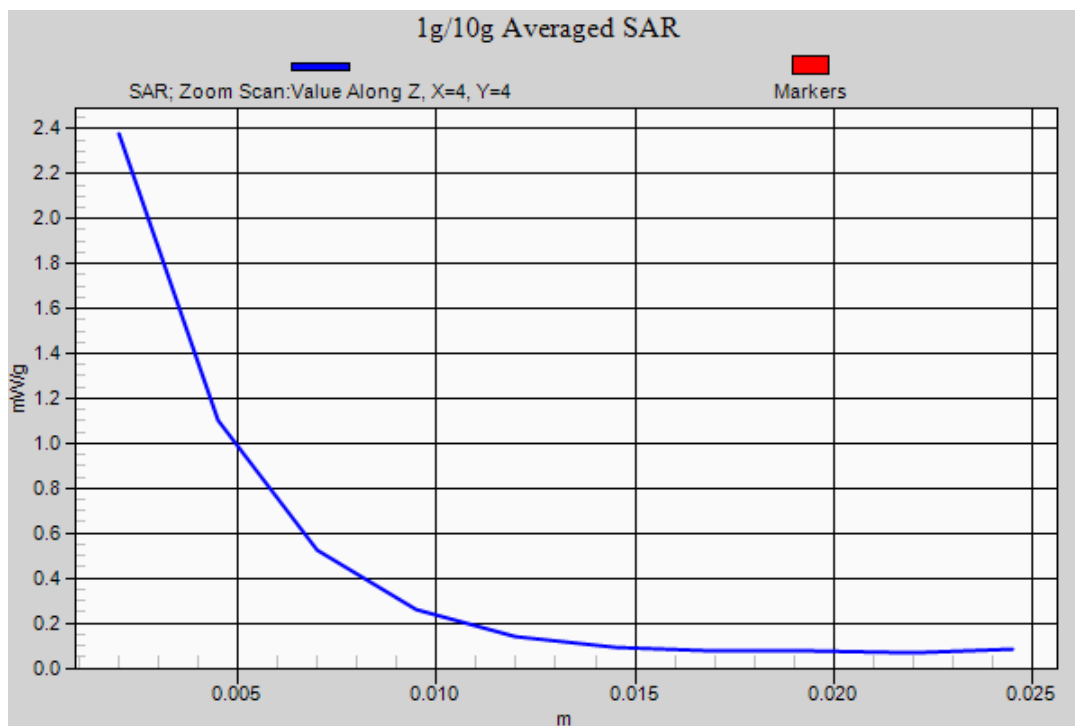
Ch52/Zoom Scan (8x8x10)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 4.31 V/m; Power Drift = -0.102 dB

Peak SAR (extrapolated) = 5 W/kg

SAR(1 g) = 1.05 mW/g; SAR(10 g) = 0.290 mW/g

Maximum value of SAR (measured) = 2.38 mW/g



#11 802.11a_Secondary Landscape_0cm_Ch64_Ant 1

DUT: 241407

Communication System: 802.11a; Frequency: 5320 MHz; Duty Cycle: 1:1

Medium: MSL_5G_120509 Medium parameters used : $f = 5320$ MHz; $\sigma = 5.4$ mho/m; $\epsilon_r = 47.3$; $\rho = 1000$ kg/m³

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3819; ConvF(4.16, 4.16, 4.16); Calibrated: 2011/11/16
- 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 45

Ch64/Area Scan (61x281x1): Measurement grid: dx=10mm, dy=10mm

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

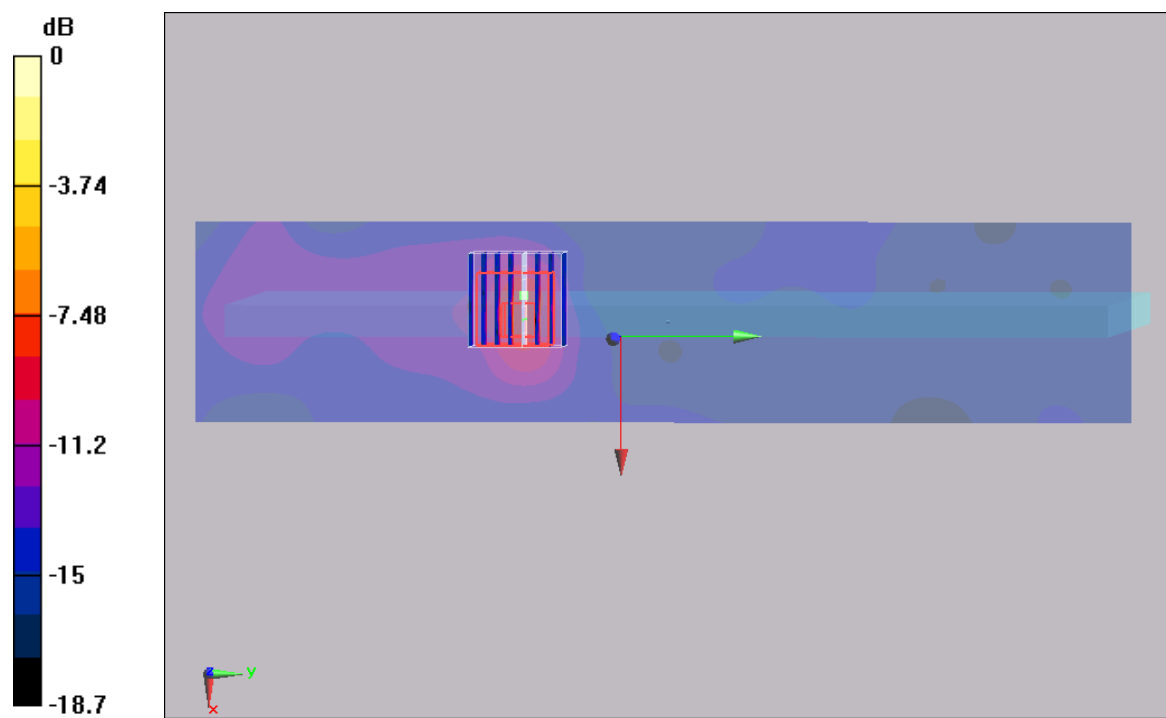
Ch64/Zoom Scan (8x8x10)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 3.58 V/m; Power Drift = 0.125 dB

Peak SAR (extrapolated) = 4.85 W/kg

SAR(1 g) = 1.03 mW/g; SAR(10 g) = 0.273 mW/g

Maximum value of SAR (measured) = 2.21 mW/g



0 dB = 2.21mW/g

#12 802.11a_Bottom Face_0cm_Ch116_Ant 1

DUT: 241407

Communication System: 802.11a; Frequency: 5580 MHz; Duty Cycle: 1:1

Medium: MSL_5G_120509 Medium parameters used : $f = 5580 \text{ MHz}$; $\sigma = 5.76 \text{ mho/m}$; $\epsilon_r = 46.8$; $\rho = 1000 \text{ kg/m}^3$

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3819; ConvF(3.9, 3.9, 3.9); Calibrated: 2011/11/16
- 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 45

Ch116/Area Scan (101x301x1): Measurement grid: $dx=10\text{mm}$, $dy=10\text{mm}$

Maximum value of SAR (interpolated) = 0.174 mW/g

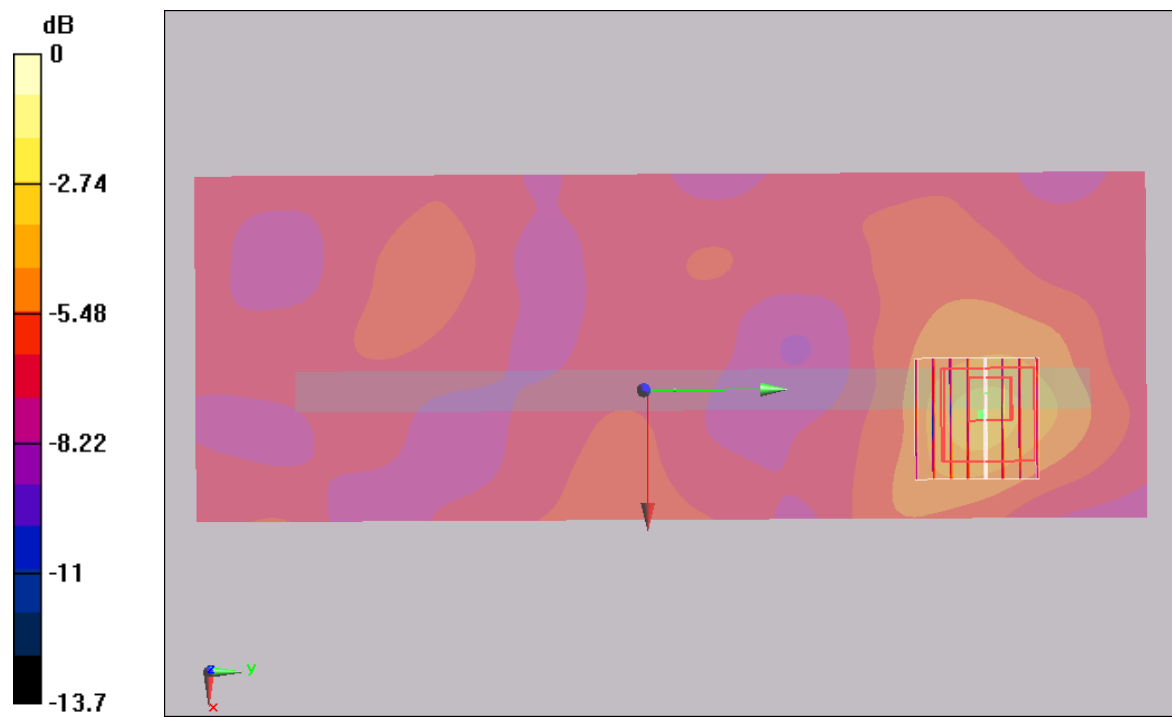
Ch116/Zoom Scan (8x8x10)/Cube 0: Measurement grid: $dx=4\text{mm}$, $dy=4\text{mm}$, $dz=2.5\text{mm}$

Reference Value = 2.29 V/m ; Power Drift = -0.172 dB

Peak SAR (extrapolated) = 0.709 W/kg

SAR(1 g) = 0.186 mW/g ; SAR(10 g) = 0.067 mW/g

Maximum value of SAR (measured) = 0.384 mW/g



0 dB = 0.273mW/g

#14 802.11a_Secondary Landscape_0cm_Ch116_Ant 1

DUT: 241407

Communication System: 802.11a; Frequency: 5580 MHz; Duty Cycle: 1:1

Medium: MSL_5G_120509 Medium parameters used : $f = 5580$ MHz; $\sigma = 5.76$ mho/m; $\epsilon_r = 46.8$; $\rho = 1000$ kg/m³

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3819; ConvF(3.9, 3.9, 3.9); Calibrated: 2011/11/16
- 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 45

Ch116/Area Scan (61x281x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.141 mW/g

Ch116/Zoom Scan (8x8x10)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 3.76 V/m; Power Drift = -0.13 dB

Peak SAR (extrapolated) = 1.79 W/kg

SAR(1 g) = 0.407 mW/g; SAR(10 g) = 0.140 mW/g

Maximum value of SAR (measured) = 0.887 mW/g

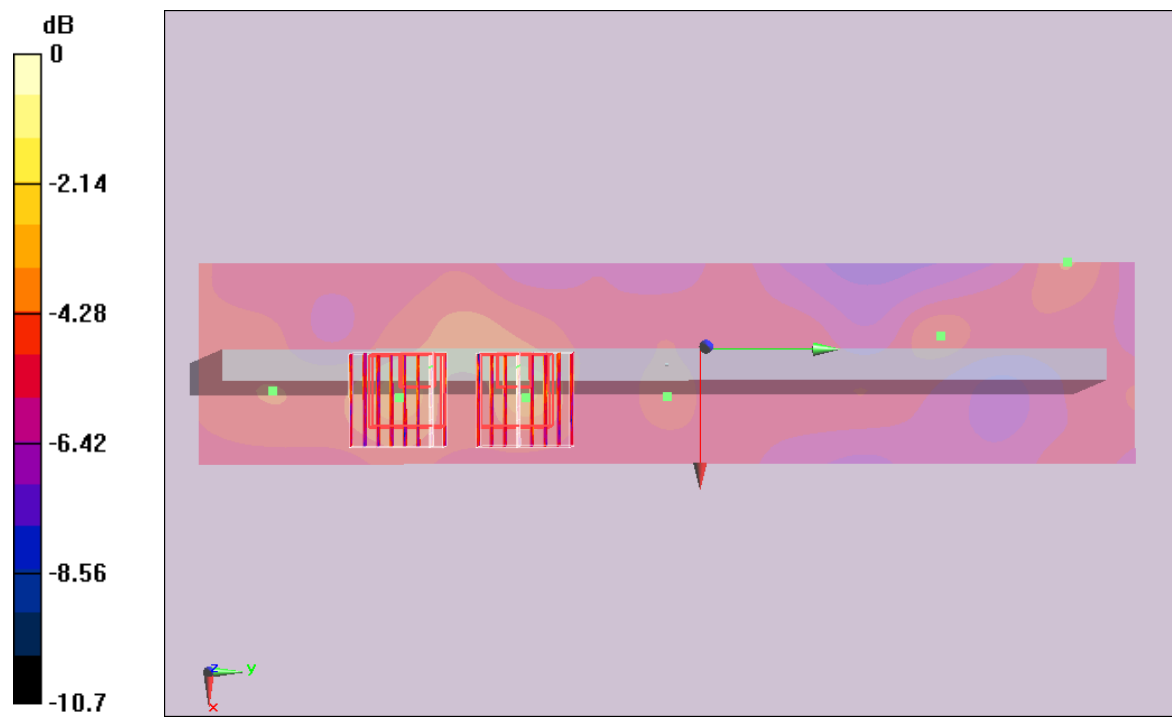
Ch116/Zoom Scan (8x8x10)/Cube 1: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 3.76 V/m; Power Drift = -0.13 dB

Peak SAR (extrapolated) = 0.405 W/kg

SAR(1 g) = 0.165 mW/g; SAR(10 g) = 0.096 mW/g

Maximum value of SAR (measured) = 0.265 mW/g



#14 802.11a_Secondary Landscape_0cm_Ch116_Ant 1_2D

DUT: 241407

Communication System: 802.11a; Frequency: 5580 MHz; Duty Cycle: 1:1

Medium: MSL_5G_120509 Medium parameters used: $f = 5580$ MHz; $\sigma = 5.76$ mho/m; $\epsilon_r = 46.8$; $\rho = 1000$ kg/m³

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3819; ConvF(3.9, 3.9, 3.9); Calibrated: 2011/11/16
- 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 45

Ch116/Area Scan (61x281x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.141 mW/g

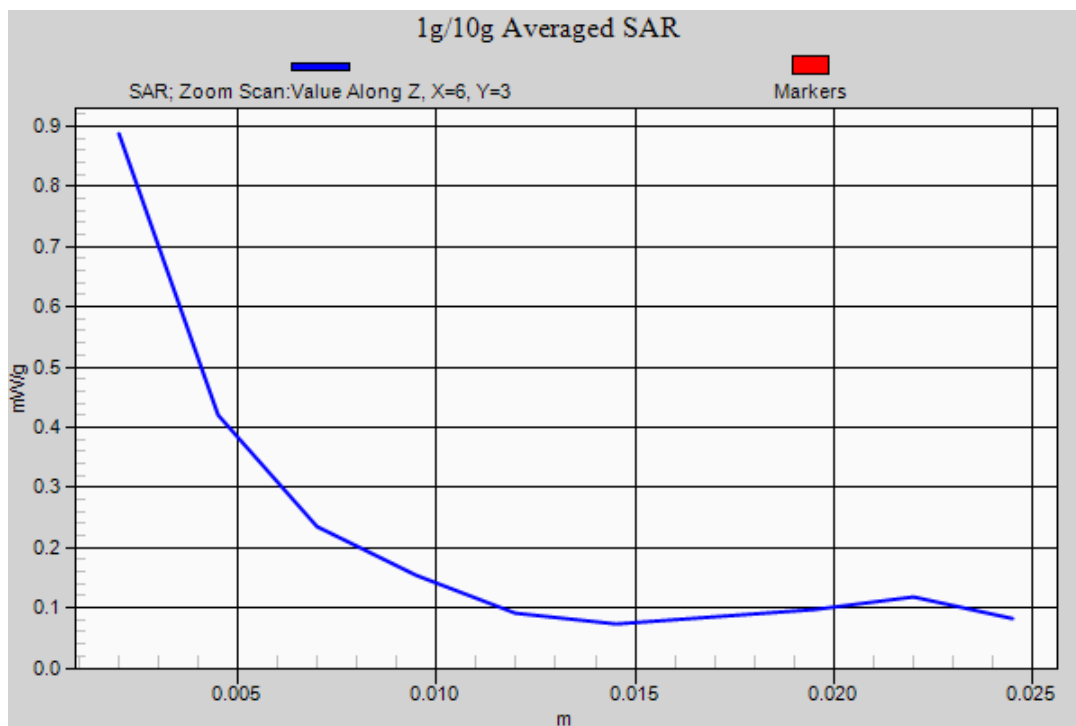
Ch116/Zoom Scan (8x8x10)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 3.76 V/m; Power Drift = -0.13 dB

Peak SAR (extrapolated) = 1.79 W/kg

SAR(1 g) = 0.407 mW/g; SAR(10 g) = 0.140 mW/g

Maximum value of SAR (measured) = 0.887 mW/g



#35 802.11n_20M_Secondary Landscape_0cm_Ch116_Ant 1

DUT: 241407

Communication System: 802.11n; Frequency: 5580 MHz; Duty Cycle: 1:1

Medium: MSL_5G_120509 Medium parameters used: $f = 5580 \text{ MHz}$; $\sigma = 5.76 \text{ mho/m}$; $\epsilon_r = 46.8$; $\rho = 1000 \text{ kg/m}^3$

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3819; ConvF(3.9, 3.9, 3.9); Calibrated: 2011/11/16
- 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 45

Ch116/Area Scan (81x281x1): Measurement grid: $dx=10\text{mm}$, $dy=10\text{mm}$

Maximum value of SAR (interpolated) = 0.259 mW/g

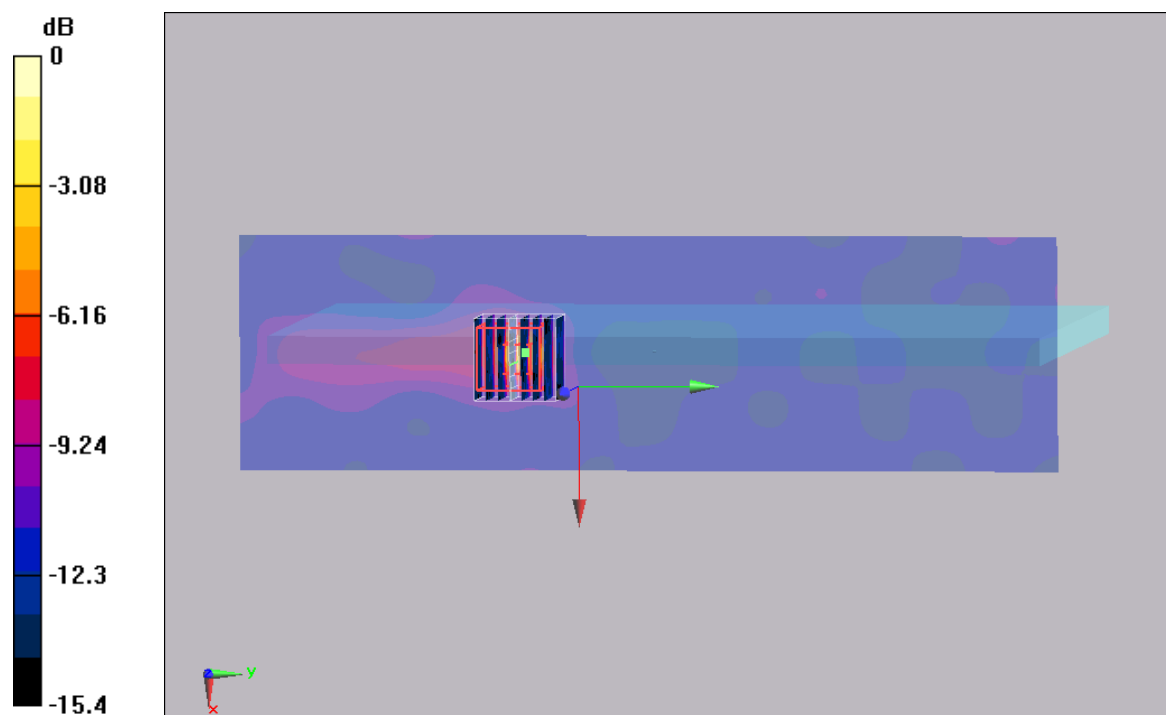
Ch116/Zoom Scan (8x8x10)/Cube 0: Measurement grid: $dx=4\text{mm}$, $dy=4\text{mm}$, $dz=2.5\text{mm}$

Reference Value = 2.34 V/m ; Power Drift = -0.032 dB

Peak SAR (extrapolated) = 1.47 W/kg

SAR(1 g) = 0.305 mW/g ; SAR(10 g) = 0.093 mW/g

Maximum value of SAR (measured) = 0.694 mW/g



0 dB = 0.694mW/g

#15 802.11a_Bottom Face_0cm_Ch149_Ant 1

DUT: 241407

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

Medium: MSL_5G_120509 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 : $22.6 \text{ }^\circ\text{C}$; Liquid Temperature : $21.6 \text{ }^\circ\text{C}$

DASY5 Configuration:

- Probe: EX3DV4 - SN3819; ConvF(4.02, 4.02, 4.02); Calibrated: 2011/11/16
- 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 45

Ch149/Area Scan (101x301x1): Measurement grid: $dx=10\text{mm}$, $dy=10\text{mm}$

Maximum value of SAR (interpolated) = 0.186 mW/g

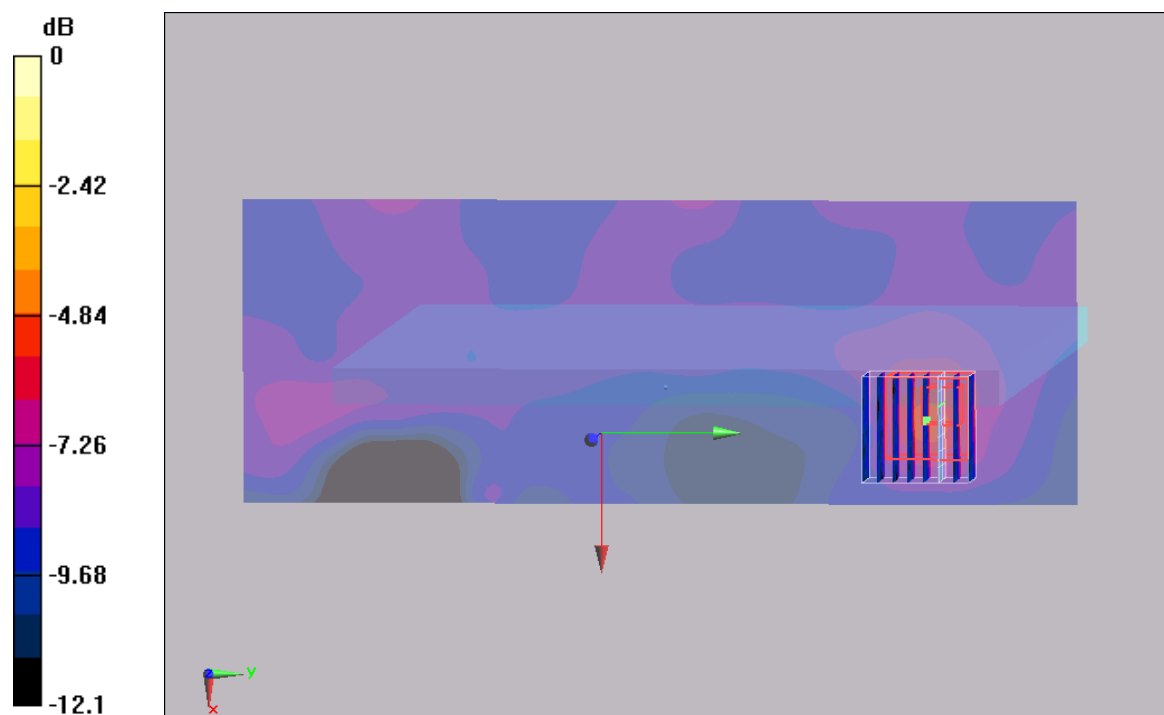
Ch149/Zoom Scan (8x8x10)/Cube 0: Measurement grid: $dx=4\text{mm}$, $dy=4\text{mm}$, $dz=2.5\text{mm}$

Reference Value = 2.49 V/m ; Power Drift = -0.162 dB

Peak SAR (extrapolated) = 1.53 W/kg

SAR(1 g) = 0.205 mW/g ; SAR(10 g) = 0.079 mW/g

Maximum value of SAR (measured) = 0.569 mW/g



0 dB = 0.266mW/g

#17 802.11a_Secondary Landscape_0cm_Ch149_Ant 1

DUT: 241407

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

Medium: MSL_5G_120509 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 : 22.6°C ; Liquid Temperature : 21.6°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3819; ConvF(4.02, 4.02, 4.02); Calibrated: 2011/11/16
- 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 45

Ch149/Area Scan (61x281x1): Measurement grid: $dx=10\text{mm}$, $dy=10\text{mm}$

Maximum value of SAR (interpolated) = 0.190 mW/g

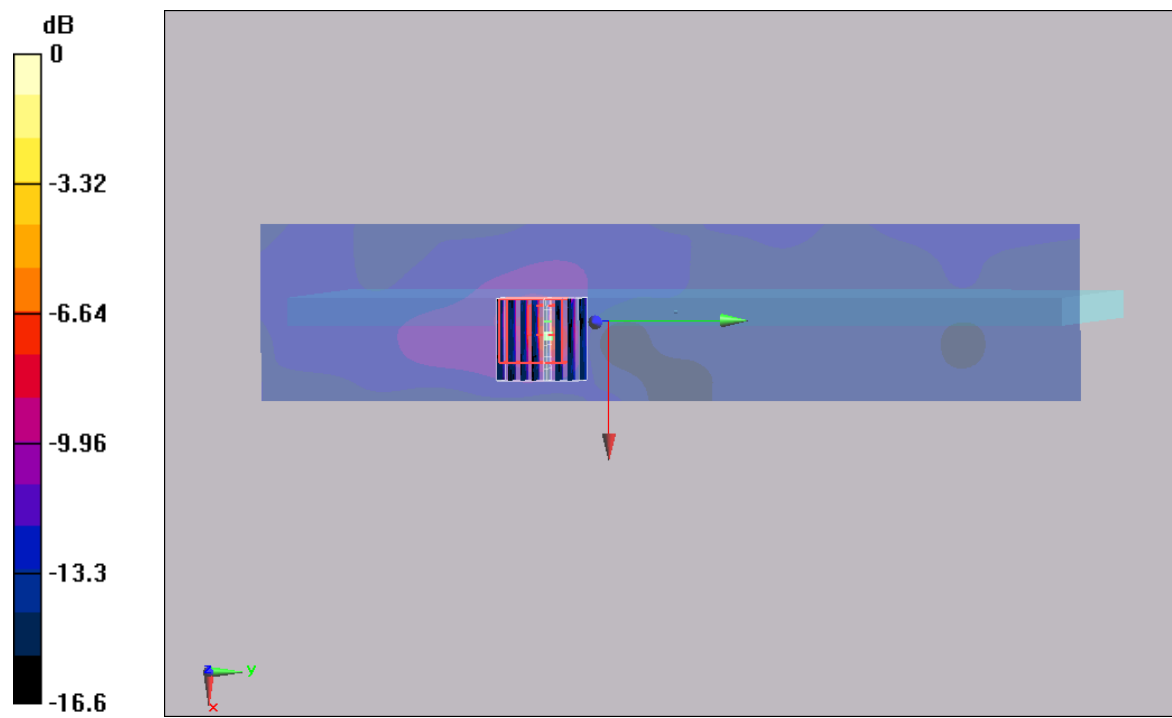
Ch149/Zoom Scan (8x8x10)/Cube 0: Measurement grid: $dx=4\text{mm}$, $dy=4\text{mm}$, $dz=2.5\text{mm}$

Reference Value = 2.34 V/m ; Power Drift = 0.108 dB

Peak SAR (extrapolated) = 1.6 W/kg

SAR(1 g) = 0.360 mW/g ; SAR(10 g) = 0.094 mW/g

Maximum value of SAR (measured) = 0.880 mW/g



0 dB = 0.880mW/g

#17 802.11a_Secondary Landscape_0cm_Ch149_Ant 1_2D

DUT: 241407

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

Medium: MSL_5G_120509 Medium parameters used: $f = 5745 \text{ MHz}$; $\sigma = 6.08 \text{ mho/m}$; $\epsilon_r = 46.7$; $\rho = 1000 \text{ kg/m}^3$

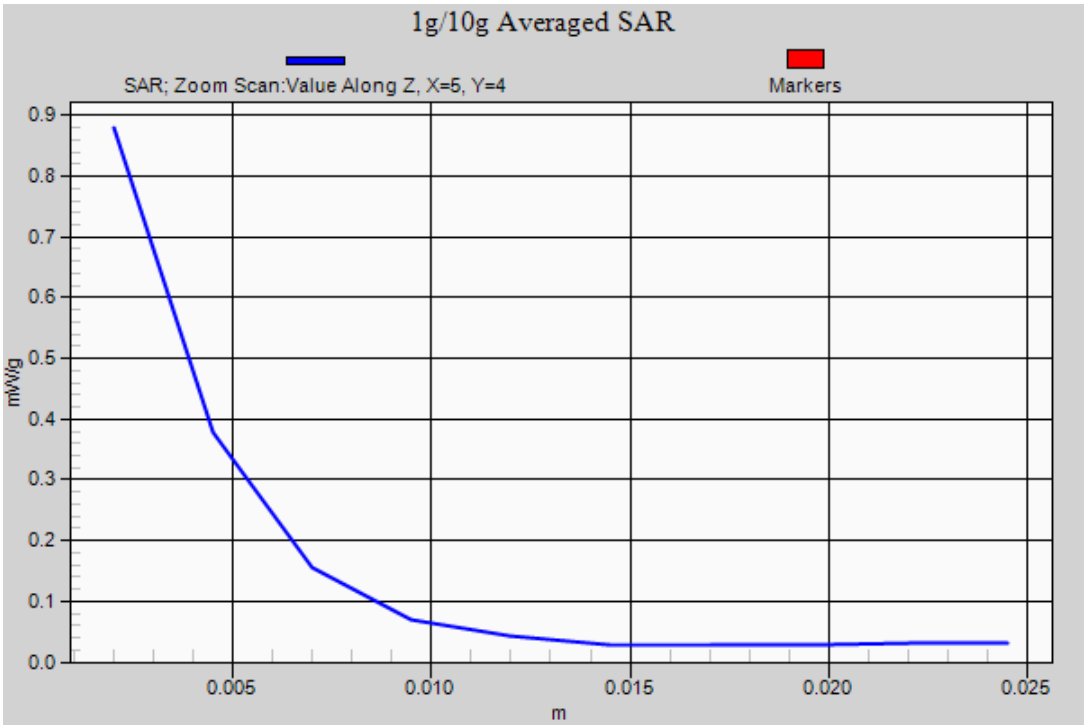
Ambient Temperature : 22.6 °C ; Liquid Temperature : 21.6 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3819; ConvF(4.02, 4.02, 4.02); Calibrated: 2011/11/16
- 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 45

Ch149/Area Scan (61x281x1): Measurement grid: $dx=10\text{mm}$, $dy=10\text{mm}$
Maximum value of SAR (interpolated) = 0.190 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 = 2.34 V/m; Power Drift = 0.108 dB
Peak SAR (extrapolated) = 1.6 W/kg
SAR(1 g) = 0.360 mW/g; SAR(10 g) = 0.094 mW/g
Maximum value of SAR (measured) = 0.880 mW/g



#36 802.11n_20M_Secondary Landscape_0cm_Ch149_Ant 1

DUT: 241407

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

Medium: MSL_5G_120509 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 : 22.6°C ; Liquid Temperature : 21.6°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3819; ConvF(4.02, 4.02, 4.02); Calibrated: 2011/11/16
- 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 45

Ch149/Area Scan (81x281x1): Measurement grid: $dx=10\text{mm}$, $dy=10\text{mm}$

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

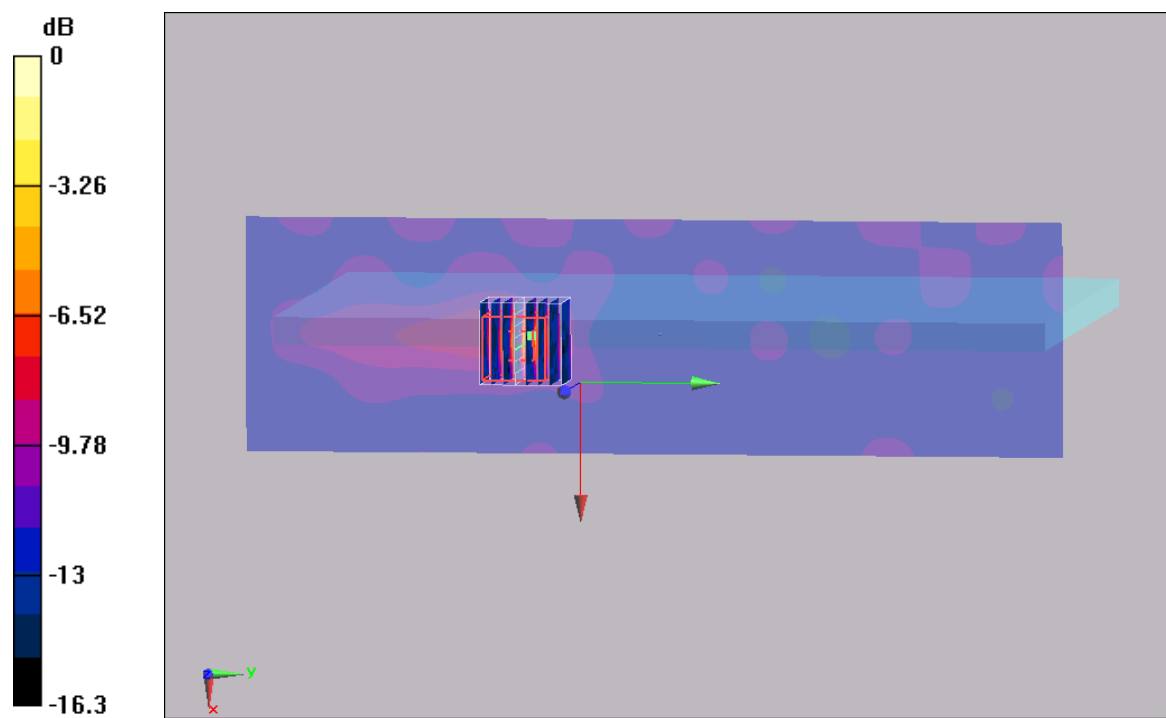
Ch149/Zoom Scan (8x8x10)/Cube 0: Measurement grid: $dx=4\text{mm}$, $dy=4\text{mm}$, $dz=2.5\text{mm}$

Reference Value = 2.62 V/m ; Power Drift = -0.16 dB

Peak SAR (extrapolated) = 1.6 W/kg

SAR(1 g) = 0.321 mW/g ; SAR(10 g) = 0.094 mW/g

Maximum value of SAR (measured) = 0.749 mW/g



0 dB = 0.749mW/g