

#14 802.11b_Bottom_0cm_Ch6_Ant 1

DUT: 241131

Communication System: 802.11b ; Frequency: 2437 MHz;Duty Cycle: 1:1

Medium: MSL_2450_120501 Medium parameters used: $f = 2437$ MHz; $\sigma = 1.94$ mho/m; $\epsilon_r = 53.9$; $\rho = 1000$ 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: DAE4 Sn913; Calibrated: 2011/12/23
- Phantom: ELI 4.0; Type: QDOVA001BA; Serial: 1029
- Software: DASY5 Version; SEMCAD X Version 13.4 Build 45

Ch6/Area Scan (131x181x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.431 mW/g

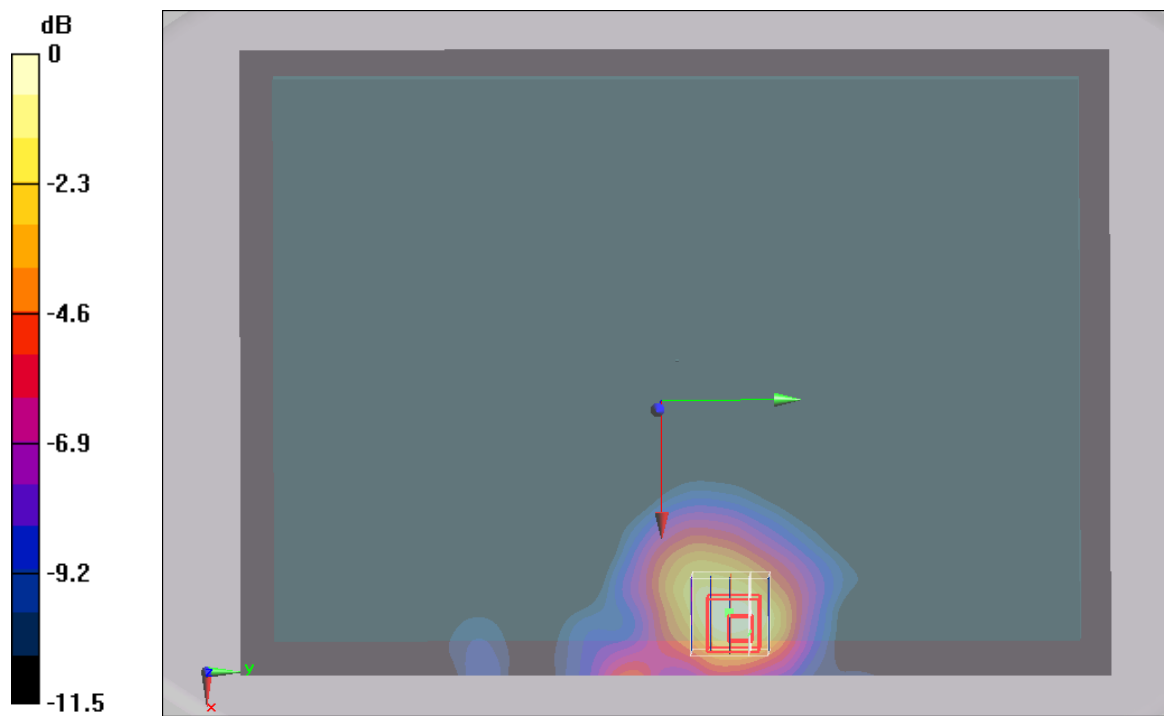
Ch6/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 2.45 V/m; Power Drift = 0.106 dB

Peak SAR (extrapolated) = 0.838 W/kg

SAR(1 g) = 0.416 mW/g; SAR(10 g) = 0.225 mW/g

Maximum value of SAR (measured) = 0.440 mW/g



#14 802.11b_Bottom_0cm_Ch6_Ant 1_2D**DUT: 241131**

Communication System: 802.11b ; Frequency: 2437 MHz;Duty Cycle: 1:1

Medium: MSL_2450_120501 Medium parameters used: $f = 2437$ MHz; $\sigma = 1.94$ mho/m; $\epsilon_r = 53.9$; $\rho = 1000$ 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: DAE4 Sn913; Calibrated: 2011/12/23
- Phantom: ELI 4.0; Type: QDOVA001BA; Serial: 1029
- Software: DASY5 Version; SEMCAD X Version 13.4 Build 45

Ch6/Area Scan (131x181x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.431 mW/g

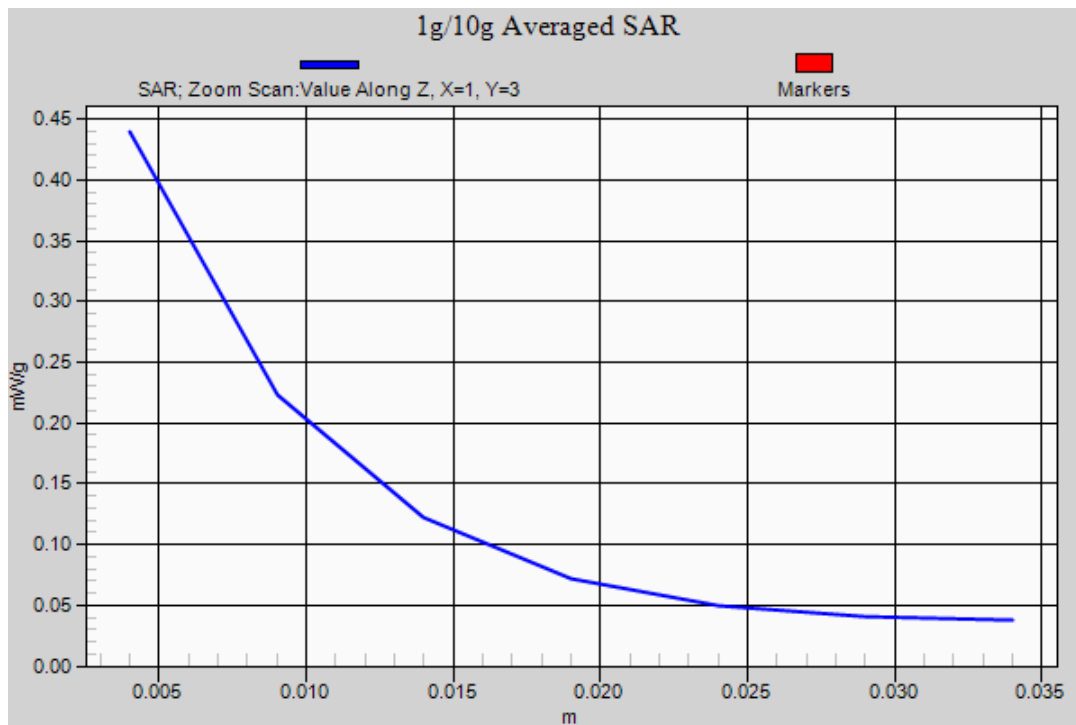
Ch6/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 2.45 V/m; Power Drift = 0.106 dB

Peak SAR (extrapolated) = 0.838 W/kg

SAR(1 g) = 0.416 mW/g; SAR(10 g) = 0.225 mW/g

Maximum value of SAR (measured) = 0.440 mW/g



#15 802.11g_Bottom_0cm_Ch6_Ant 1

DUT: 241131

Communication System: 802.11g; Frequency: 2437 MHz; Duty Cycle: 1:1

Medium: MSL_2450_120501 Medium parameters used: $f = 2437$ MHz; $\sigma = 1.94$ mho/m; $\epsilon_r = 53.9$; $\rho = 1000$ 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: DAE4 Sn913; Calibrated: 2011/12/23
- Phantom: ELI 4.0; Type: QDOVA001BA; Serial: 1029
- Software: DASY5 Version; SEMCAD X Version 13.4 Build 45

Ch6/Area Scan (61x181x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.320 mW/g

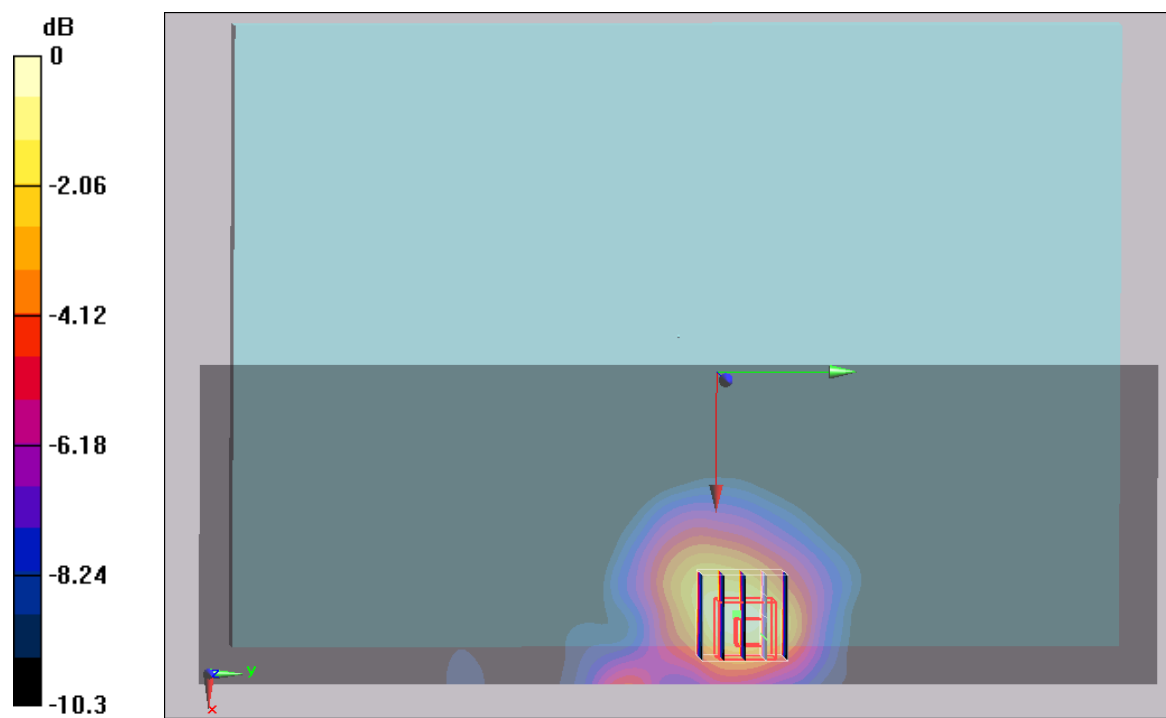
Ch6/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 2.41 V/m; Power Drift = 0.11 dB

Peak SAR (extrapolated) = 0.631 W/kg

SAR(1 g) = 0.313 mW/g; SAR(10 g) = 0.170 mW/g

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



#16 802.11b_Bottom_0cm_Ch6_Ant 0+1

DUT: 241131

Communication System: 802.11b ; Frequency: 2437 MHz;Duty Cycle: 1:1

Medium: MSL_2450_120501 Medium parameters used: $f = 2437$ MHz; $\sigma = 1.94$ mho/m; $\epsilon_r = 53.9$; $\rho = 1000$ 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: DAE4 Sn913; Calibrated: 2011/12/23
- Phantom: ELI 4.0; Type: QDOVA001BA; Serial: 1029
- Software: DASY5 Version; SEMCAD X Version 13.4 Build 45

Ch6/Area Scan (131x181x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.239 mW/g

Ch6/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 2.62 V/m; Power Drift = -0.113 dB

Peak SAR (extrapolated) = 0.477 W/kg

SAR(1 g) = 0.247 mW/g; SAR(10 g) = 0.139 mW/g

Maximum value of SAR (measured) = 0.280 mW/g

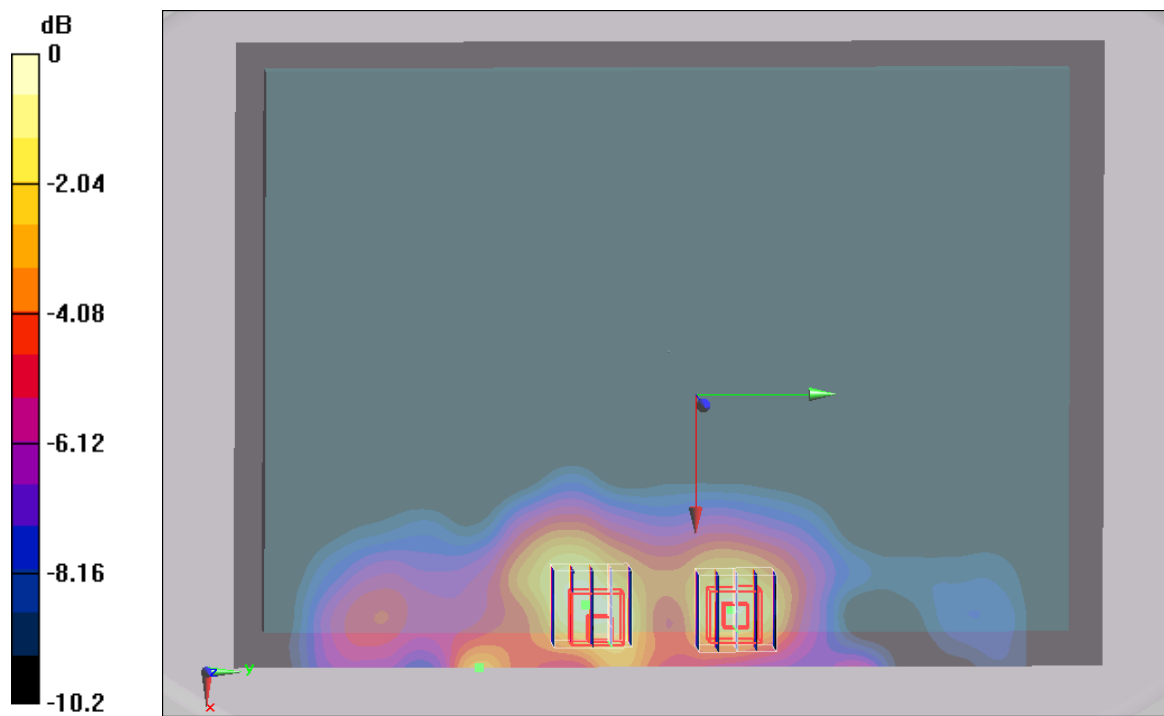
Ch6/Zoom Scan (5x5x7)/Cube 1: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 2.62 V/m; Power Drift = -0.113 dB

Peak SAR (extrapolated) = 0.464 W/kg

SAR(1 g) = 0.233 mW/g; SAR(10 g) = 0.126 mW/g

Maximum value of SAR (measured) = 0.249 mW/g



#16 802.11b_Bottom_0cm_Ch6_Ant 0+1_2D**DUT: 241131**

Communication System: 802.11b ; Frequency: 2437 MHz;Duty Cycle: 1:1

Medium: MSL_2450_120501 Medium parameters used: $f = 2437$ MHz; $\sigma = 1.94$ mho/m; $\epsilon_r = 53.9$; $\rho = 1000$ kg/m³

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

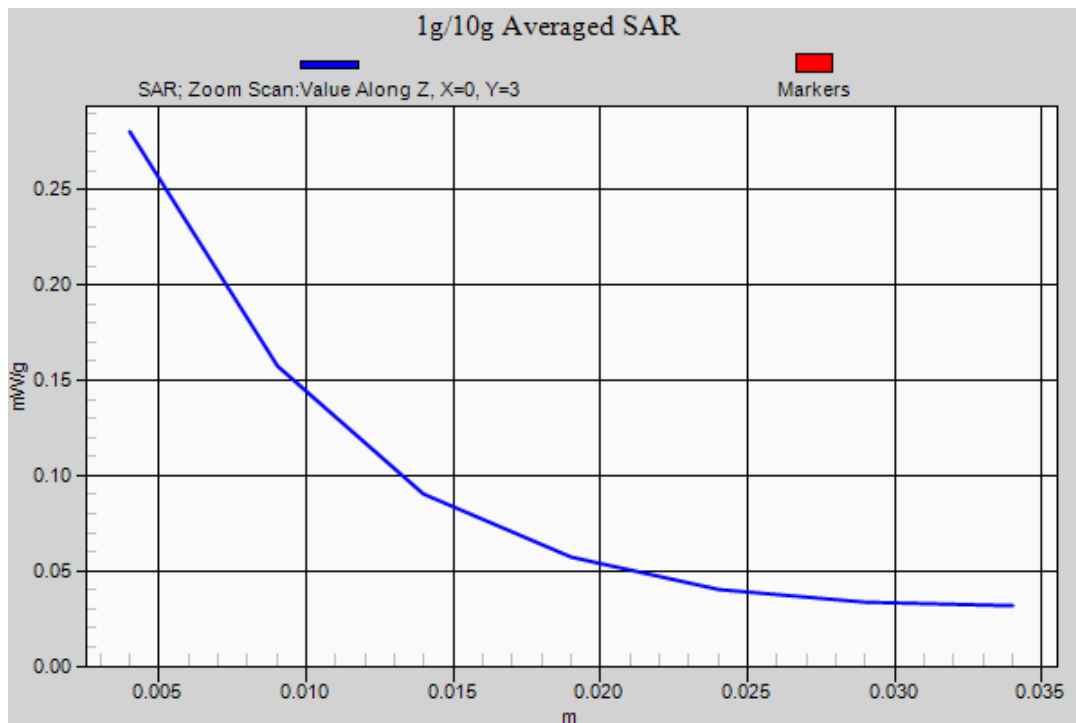
DASY5 Configuration:

- Probe: EX3DV4 - SN3792; ConvF(6.67, 6.67, 6.67); Calibrated: 2011/6/20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn913; Calibrated: 2011/12/23
- Phantom: ELI 4.0; Type: QDOVA001BA; Serial: 1029
- Software: DASY5 Version; SEMCAD X Version 13.4 Build 45

Ch6/Area Scan (131x181x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.239 mW/g

Ch6/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 2.62 V/m; Power Drift = -0.113 dB
Peak SAR (extrapolated) = 0.477 W/kg
SAR(1 g) = 0.247 mW/g; SAR(10 g) = 0.139 mW/g
Maximum value of SAR (measured) = 0.280 mW/g

Ch6/Zoom Scan (5x5x7)/Cube 1: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 2.62 V/m; Power Drift = -0.113 dB
Peak SAR (extrapolated) = 0.464 W/kg
SAR(1 g) = 0.233 mW/g; SAR(10 g) = 0.126 mW/g
Maximum value of SAR (measured) = 0.249 mW/g



#10 802.11a_Bottom_0cm_Ch36_Ant 1

DUT: 241131

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

Medium: MSL_5G_120430 Medium parameters used: $f = 5180 \text{ MHz}$; $\sigma = 5.23 \text{ mho/m}$; $\epsilon_r = 48.3$; $\rho = 1000 \text{ kg/m}^3$

Ambient Temperature : 22.4°C ; Liquid Temperature : 21.4°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 Sn913; Calibrated: 2011/12/23
- Phantom: ELI 4.0; Type: QDOVA001BA; Serial: 1029
- Software: DASY5 Version; SEMCAD X Version 13.4 Build 45

Ch36/Area Scan (261x361x1): Measurement grid: $dx=10\text{mm}$, $dy=10\text{mm}$

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

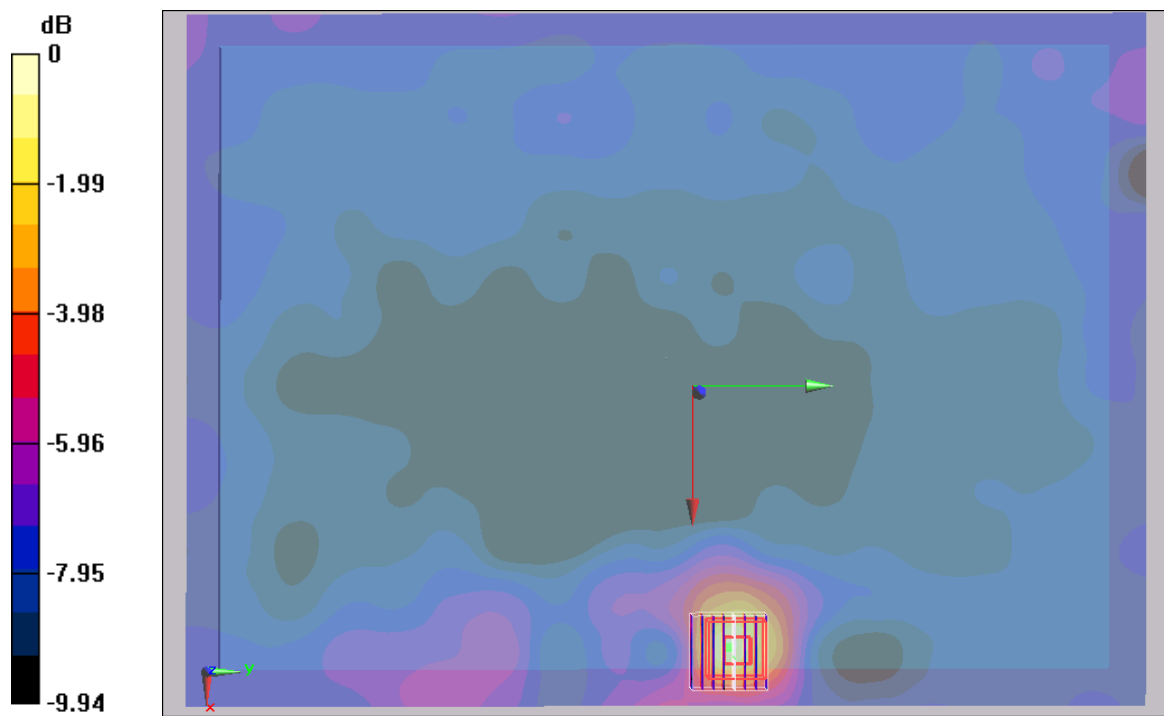
Ch36/Zoom Scan (8x8x10)/Cube 0: Measurement grid: $dx=4\text{mm}$, $dy=4\text{mm}$, $dz=2.5\text{mm}$

Reference Value = 2.91 V/m ; Power Drift = 0.066 dB

Peak SAR (extrapolated) = 0.609 W/kg

SAR(1 g) = 0.205 mW/g ; SAR(10 g) = 0.113 mW/g

Maximum value of SAR (measured) = 0.329 mW/g



0 dB = 0.329mW/g

#10 802.11a_Bottom_0cm_Ch36_Ant 1_2D**DUT: 241131**

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

Medium: MSL_5G_120430 Medium parameters used: $f = 5180$ MHz; $\sigma = 5.23$ mho/m; $\epsilon_r = 48.3$; $\rho = 1000$ kg/m³

Ambient Temperature : 22.4 °C; Liquid Temperature : 21.4 °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 Sn913; Calibrated: 2011/12/23
- Phantom: ELI 4.0; Type: QDOVA001BA; Serial: 1029
- Software: DASY5 Version; SEMCAD X Version 13.4 Build 45

Ch36/Area Scan (261x361x1): Measurement grid: dx=10mm, dy=10mm

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

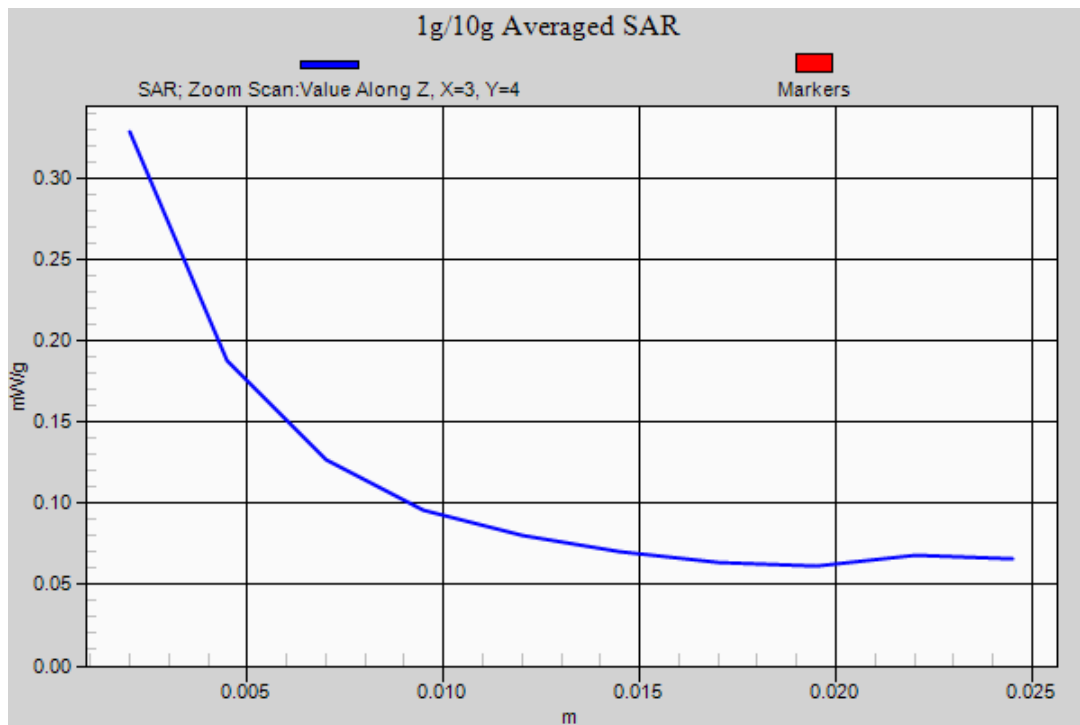
Ch36/Zoom Scan (8x8x10)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 2.91 V/m; Power Drift = 0.066 dB

Peak SAR (extrapolated) = 0.609 W/kg

SAR(1 g) = 0.205 mW/g; SAR(10 g) = 0.113 mW/g

Maximum value of SAR (measured) = 0.329 mW/g



#11 802.11a_Bottom_0cm_Ch60_Ant 1

DUT: 241131

Communication System: 802.11a; Frequency: 5300 MHz; Duty Cycle: 1:1

Medium: MSL_5G_120430 Medium parameters used: $f = 5300$ MHz; $\sigma = 5.4$ mho/m; $\epsilon_r = 48.1$; $\rho = 1000$ kg/m³

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3792; ConvF(3.93, 3.93, 3.93); Calibrated: 2011/6/20
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn913; Calibrated: 2011/12/23
- Phantom: ELI 4.0; Type: QDOVA001BA; Serial: 1029
- Software: DASY5 Version; SEMCAD X Version 13.4 Build 45

Ch60/Area Scan (121x361x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.771 mW/g

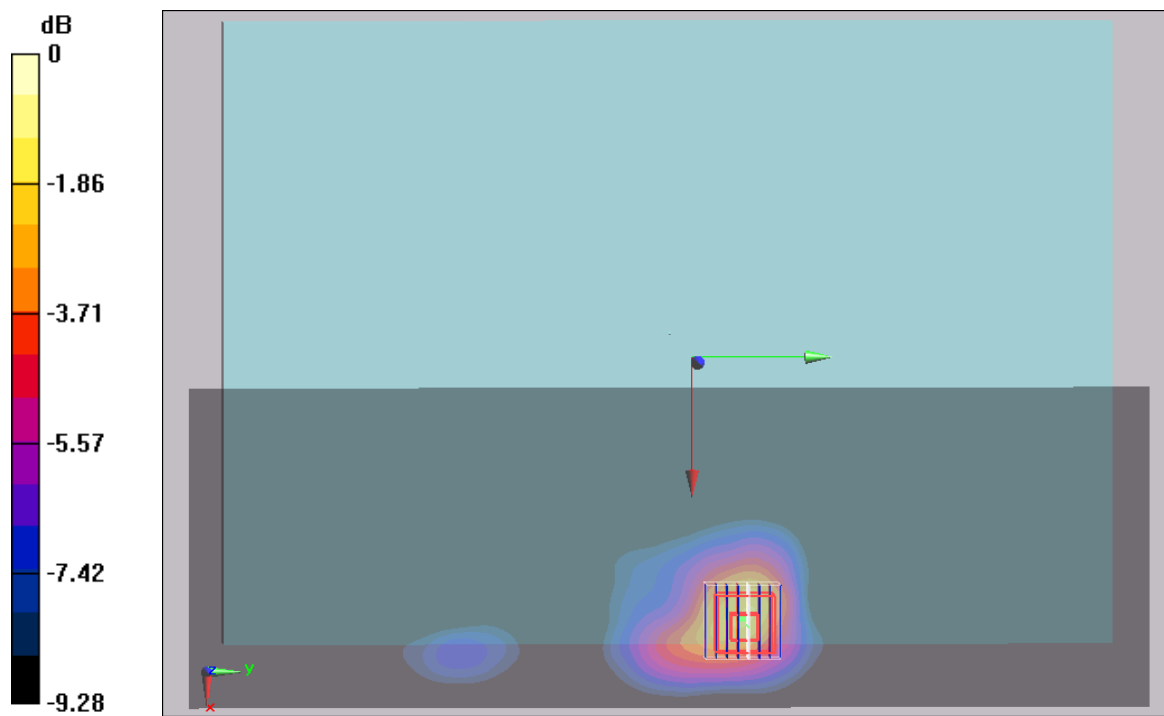
Ch60/Zoom Scan (8x8x10)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 2.98 V/m; Power Drift = 0.059 dB

Peak SAR (extrapolated) = 2.23 W/kg

SAR(1 g) = 0.711 mW/g; SAR(10 g) = 0.391 mW/g

Maximum value of SAR (measured) = 1.15 mW/g



#11 802.11a_Bottom_0cm_Ch60_Ant 1_2D**DUT: 241131**

Communication System: 802.11a; Frequency: 5300 MHz; Duty Cycle: 1:1

Medium: MSL_5G_120430 Medium parameters used: $f = 5300$ MHz; $\sigma = 5.4$ mho/m; $\epsilon_r = 48.1$; $\rho = 1000$ kg/m³

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3792; ConvF(3.93, 3.93, 3.93); Calibrated: 2011/6/20
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn913; Calibrated: 2011/12/23
- Phantom: ELI 4.0; Type: QDOVA001BA; Serial: 1029
- Software: DASY5 Version; SEMCAD X Version 13.4 Build 45

Ch60/Area Scan (121x361x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.771 mW/g

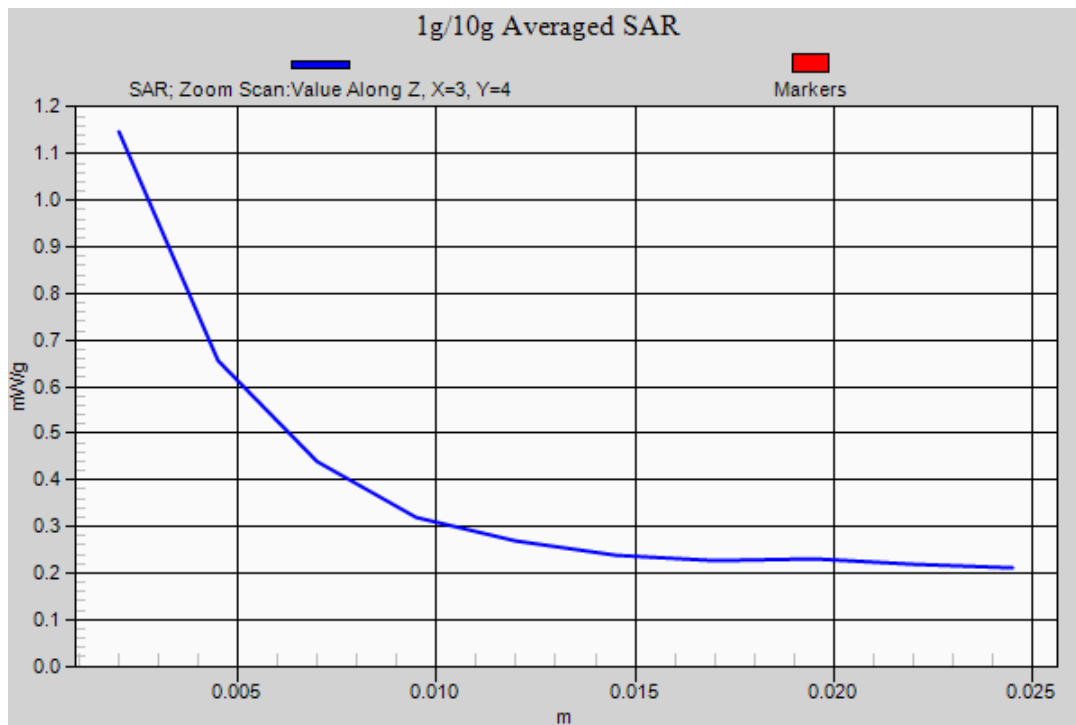
Ch60/Zoom Scan (8x8x10)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 2.98 V/m; Power Drift = 0.059 dB

Peak SAR (extrapolated) = 2.23 W/kg

SAR(1 g) = 0.711 mW/g; SAR(10 g) = 0.391 mW/g

Maximum value of SAR (measured) = 1.15 mW/g



#12 802.11a_Bottom_0cm_Ch112_Ant 1

DUT: 241131

Communication System: 802.11a; Frequency: 5560 MHz; Duty Cycle: 1:1

Medium: MSL_5G_120430 Medium parameters used: $f = 5560$ MHz; $\sigma = 5.78$ mho/m; $\epsilon_r = 47.5$; $\rho = 1000$ kg/m³

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3792; ConvF(3.53, 3.53, 3.53); Calibrated: 2011/6/20
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn913; Calibrated: 2011/12/23
- Phantom: ELI 4.0; Type: QDOVA001BA; Serial: 1029
- Software: DASY5 Version; SEMCAD X Version 13.4 Build 45

Ch112/Area Scan (121x361x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.703 mW/g

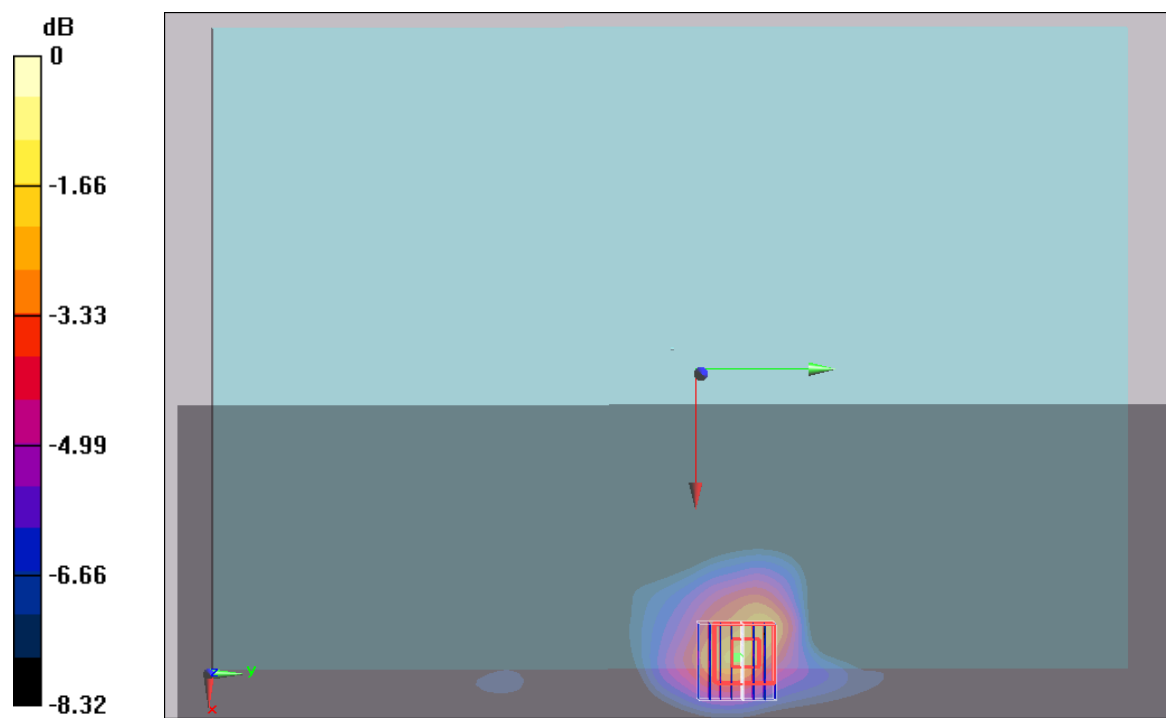
Ch112/Zoom Scan (8x8x10)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 3.76 V/m; Power Drift = 0.048 dB

Peak SAR (extrapolated) = 2.09 W/kg

SAR(1 g) = 0.710 mW/g; SAR(10 g) = 0.415 mW/g

Maximum value of SAR (measured) = 1.13 mW/g



#12 802.11a_Bottom_0cm_Ch112_Ant 1_2D

DUT: 241131

Communication System: 802.11a; Frequency: 5560 MHz; Duty Cycle: 1:1

Medium: MSL_5G_120430 Medium parameters used: $f = 5560$ MHz; $\sigma = 5.78$ mho/m; $\epsilon_r = 47.5$; $\rho = 1000$ kg/m³

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3792; ConvF(3.53, 3.53, 3.53); Calibrated: 2011/6/20
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn913; Calibrated: 2011/12/23
- Phantom: ELI 4.0; Type: QDOVA001BA; Serial: 1029
- Software: DASY5 Version; SEMCAD X Version 13.4 Build 45

Ch112/Area Scan (121x361x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.703 mW/g

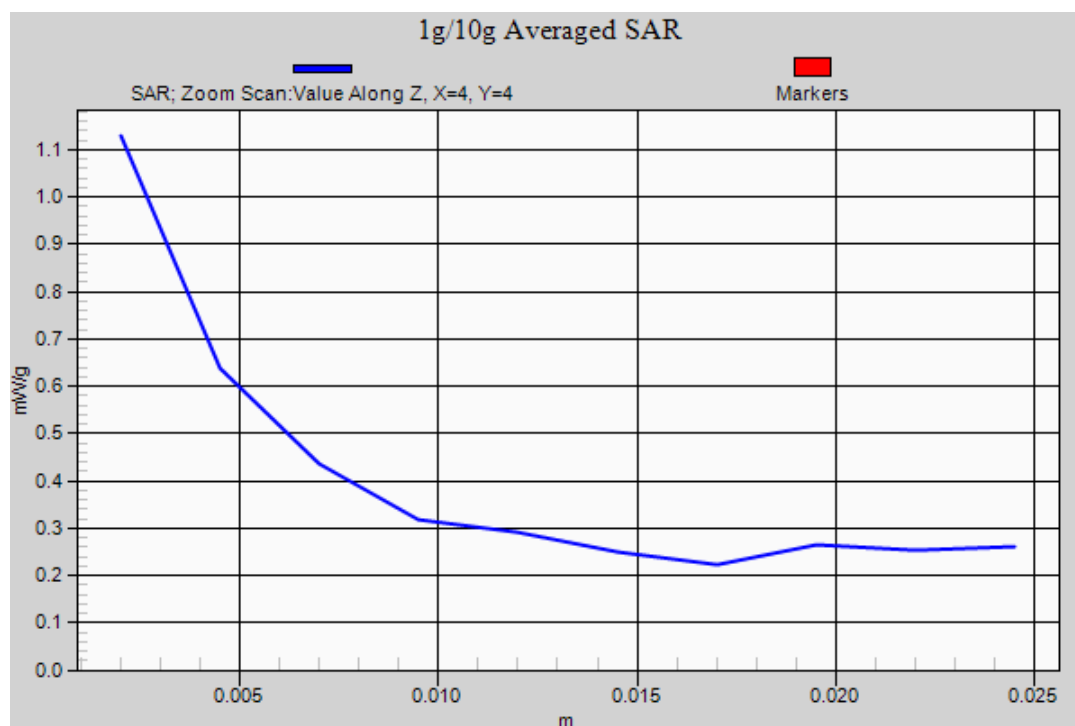
Ch112/Zoom Scan (8x8x10)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 3.76 V/m; Power Drift = 0.048 dB

Peak SAR (extrapolated) = 2.09 W/kg

SAR(1 g) = 0.710 mW/g; SAR(10 g) = 0.415 mW/g

Maximum value of SAR (measured) = 1.13 mW/g



#13 802.11a_Bottom_0cm_Ch165_Ant 1

DUT: 241131

Communication System: 802.11a; Frequency: 5825 MHz; Duty Cycle: 1:1

Medium: MSL_5G_120430 Medium parameters used: $f = 5825 \text{ MHz}$; $\sigma = 6.14 \text{ mho/m}$; $\epsilon_r = 46.8$; $\rho = 1000 \text{ kg/m}^3$

Ambient Temperature : 22.4°C ; Liquid Temperature : 21.4°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 Sn913; Calibrated: 2011/12/23
- Phantom: ELI 4.0; Type: QDOVA001BA; Serial: 1029
- Software: DASY5 Version; SEMCAD X Version 13.4 Build 45

Ch165/Area Scan (121x361x1): Measurement grid: $dx=10\text{mm}$, $dy=10\text{mm}$

Maximum value of SAR (interpolated) = 0.279 mW/g

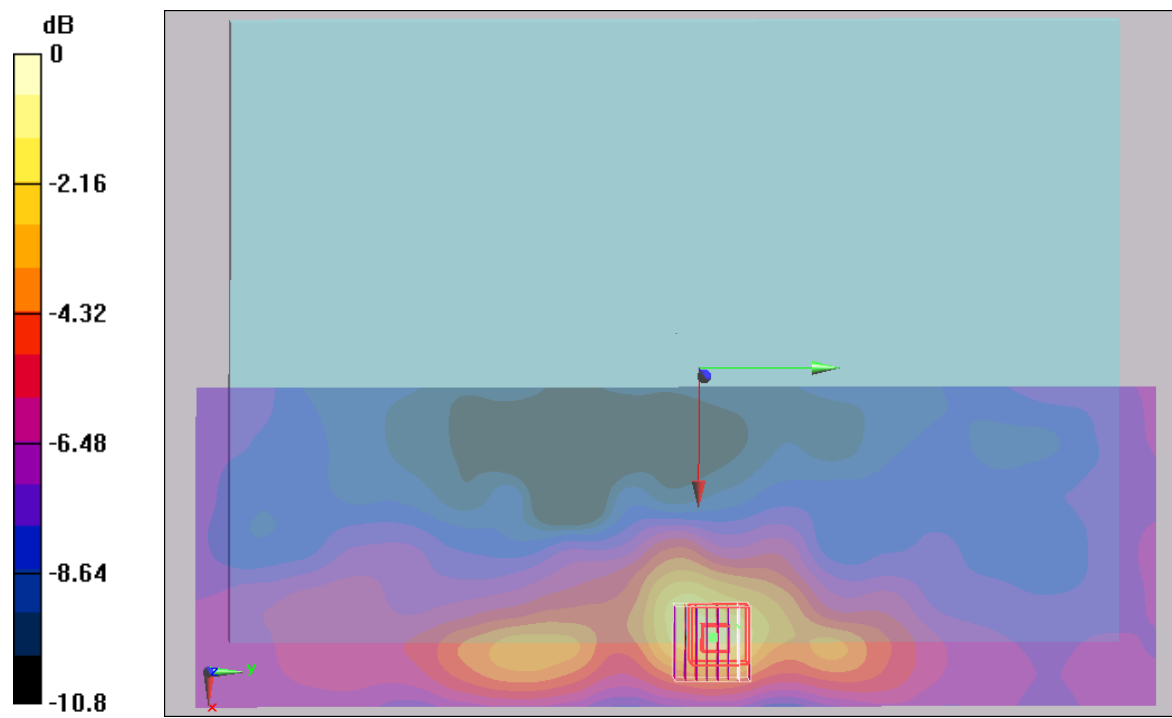
Ch165/Zoom Scan (8x8x10)/Cube 0: Measurement grid: $dx=4\text{mm}$, $dy=4\text{mm}$, $dz=2.5\text{mm}$

Reference Value = 3.42 V/m ; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 0.825 W/kg

SAR(1 g) = 0.223 mW/g ; SAR(10 g) = 0.130 mW/g

Maximum value of SAR (measured) = 0.353 mW/g



0 dB = 0.353mW/g

#13 802.11a_Bottom_0cm_Ch165_Ant 1_2D

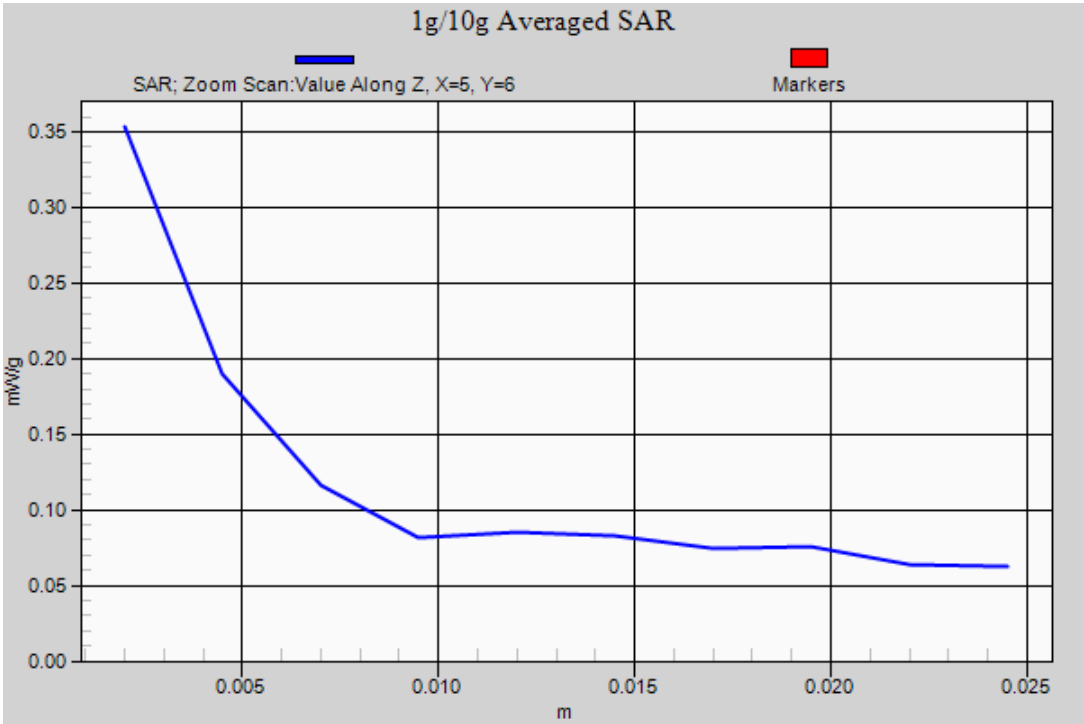
DUT: 241131

Communication System: 802.11a; Frequency: 5825 MHz;Duty Cycle: 1:1
Medium: MSL_5G_120430 Medium parameters used: f = 5825 MHz; $\sigma = 6.14$ mho/m; $\epsilon_r = 46.8$; $\rho = 1000$ kg/m³
Ambient Temperature : 22.4 °C; Liquid Temperature : 21.4 °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 Sn913; Calibrated: 2011/12/23
 - Phantom: ELI 4.0; Type: QDOVA001BA; Serial: 1029
 - Software: DASY5 Version; SEMCAD X Version 13.4 Build 45

Ch165/Area Scan (121x361x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.279 mW/g

Ch165/Zoom Scan (8x8x10)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 3.42 V/m; Power Drift = -0.02 dB
Peak SAR (extrapolated) = 0.825 W/kg
SAR(1 g) = 0.223 mW/g; SAR(10 g) = 0.130 mW/g
Maximum value of SAR (measured) = 0.353 mW/g



#01 802.11a_Bottom_0cm_Ch48_Ant 0+1**DUT: 241131**

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

Medium: MSL_5G_120430 Medium parameters used: $f = 5240$ MHz; $\sigma = 5.32$ mho/m; $\epsilon_r = 48.2$; $\rho = 1000$ kg/m³

Ambient Temperature : 22.4 °C; Liquid Temperature : 21.4 °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 Sn913; Calibrated: 2011/12/23
- Phantom: ELI 4.0; Type: QDOVA001BA; Serial: 1029
- Software: DASY5 Version; SEMCAD X Version 13.4 Build 45

Ch48/Area Scan (261x361x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.165 mW/g

Ch48/Zoom Scan (8x8x10)/Cube 1: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 0 V/m; Power Drift = 0.102 dB

Peak SAR (extrapolated) = 0.164 W/kg

SAR(1 g) = 0.047 mW/g; SAR(10 g) = 0.015 mW/g

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

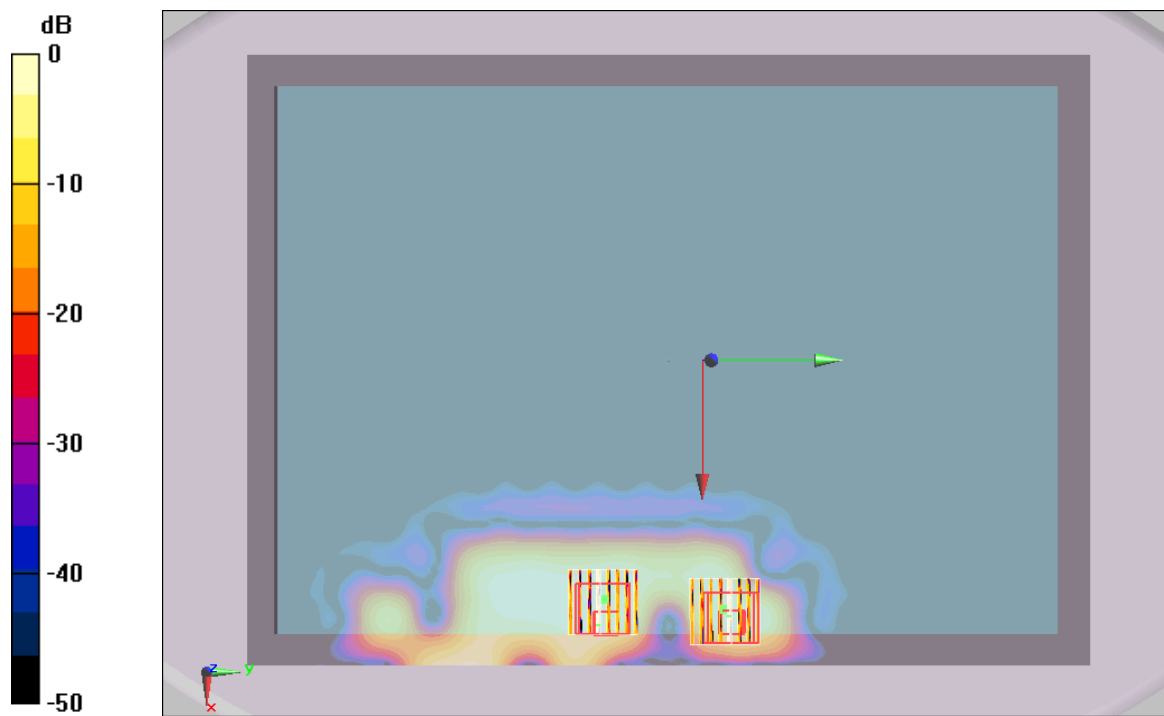
Ch48/Zoom Scan (8x8x10)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 0 V/m; Power Drift = 0.102 dB

Peak SAR (extrapolated) = 0.158 W/kg

SAR(1 g) = 0.045 mW/g; SAR(10 g) = 0.016 mW/g

Maximum value of SAR (measured) = 0.085 mW/g



0 dB = 0.085mW/g

#02 802.11n_40M_Bottom_0cm_Ch46_Ant 0+1

DUT: 241131

Communication System: 802.11n; Frequency: 5230 MHz; Duty Cycle: 1:1

Medium: MSL_5G_120430 Medium parameters used: $f = 5230 \text{ MHz}$; $\sigma = 5.31 \text{ mho/m}$; $\epsilon_r = 48.3$; $\rho = 1000 \text{ kg/m}^3$

Ambient Temperature : 22.4°C ; Liquid Temperature : 21.4°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 Sn913; Calibrated: 2011/12/23
- Phantom: ELI 4.0; Type: QDOVA001BA; Serial: 1029
- Software: DASY5 Version; SEMCAD X Version 13.4 Build 45

Ch46/Area Scan (121x361x1): Measurement grid: $dx=10\text{mm}$, $dy=10\text{mm}$

Maximum value of SAR (interpolated) = 0.289 mW/g

Ch46/Zoom Scan (8x8x10)/Cube 0: Measurement grid: $dx=4\text{mm}$, $dy=4\text{mm}$, $dz=2.5\text{mm}$

Reference Value = 5.73 V/m ; Power Drift = -0.145 dB

Peak SAR (extrapolated) = 0.380 W/kg

SAR(1 g) = 0.173 mW/g ; SAR(10 g) = 0.127 mW/g

Maximum value of SAR (measured) = 0.246 mW/g

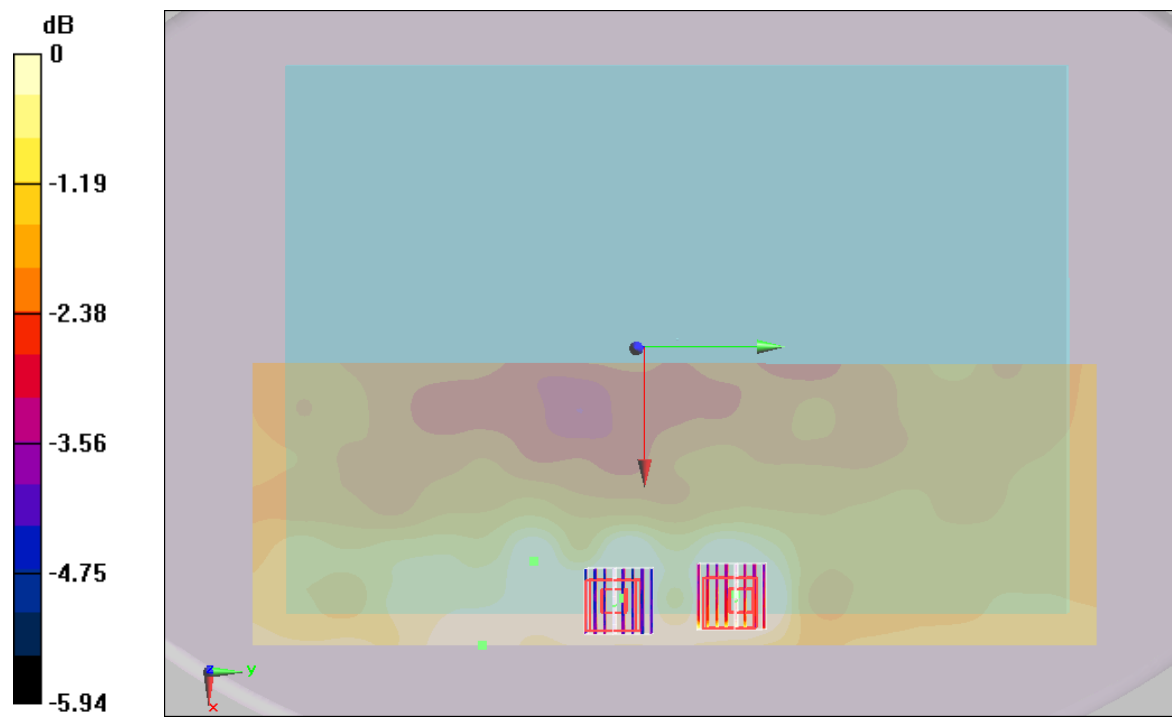
Ch46/Zoom Scan (8x8x10)/Cube 1: Measurement grid: $dx=4\text{mm}$, $dy=4\text{mm}$, $dz=2.5\text{mm}$

Reference Value = 5.73 V/m ; Power Drift = -0.145 dB

Peak SAR (extrapolated) = 0.355 W/kg

SAR(1 g) = 0.149 mW/g ; SAR(10 g) = 0.100 mW/g

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



0 dB = 0.206mW/g

#02 802.11n_40M_Bottom_0cm_Ch46_Ant 0+1_2D

DUT: 241131

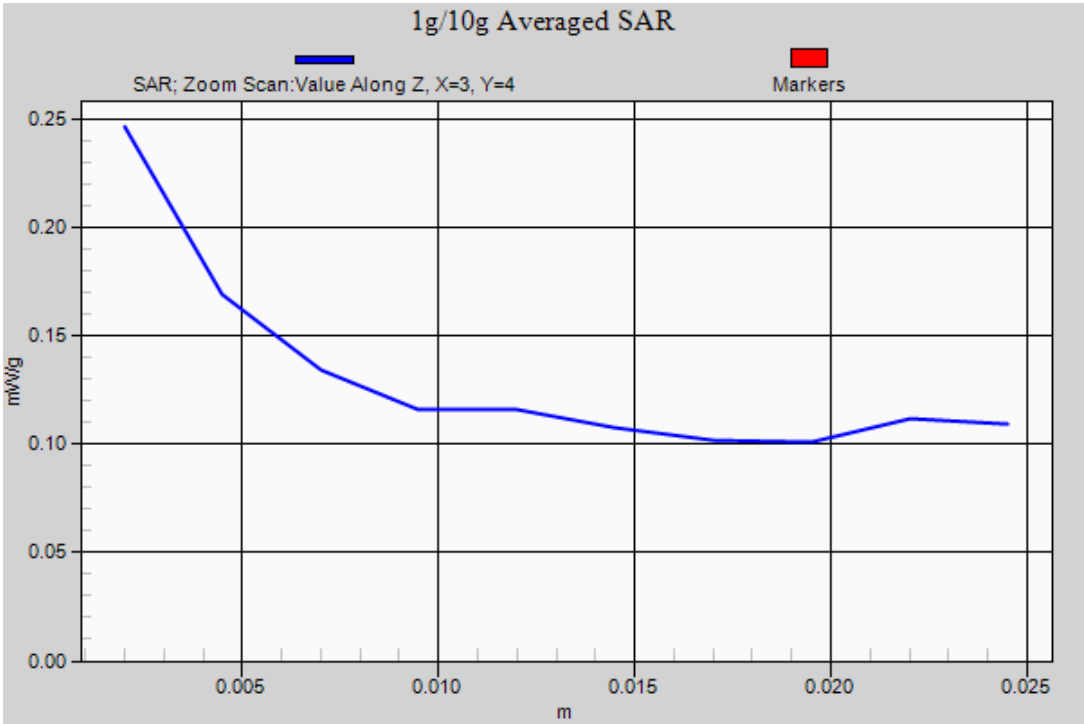
Communication System: 802.11n; Frequency: 5230 MHz;Duty Cycle: 1:1
Medium: MSL_5G_120430 Medium parameters used: f = 5230 MHz; $\sigma = 5.31 \text{ mho/m}$; $\epsilon_r = 48.3$; $\rho = 1000 \text{ kg/m}^3$
Ambient Temperature : 22.4 °C ; Liquid Temperature : 21.4 °C

- DASY5 Configuration:
- Probe: EX3DV4 - SN3792; ConvF(4.22, 4.22, 4.22); Calibrated: 2011/6/20
 - Sensor-Surface: 2mm (Mechanical Surface Detection)
 - Electronics: DAE4 Sn913; Calibrated: 2011/12/23
 - Phantom: ELI 4.0; Type: QDOVA001BA; Serial: 1029
 - Software: DASY5 Version; SEMCAD X Version 13.4 Build 45

Ch46/Area Scan (121x361x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.289 mW/g

Ch46/Zoom Scan (8x8x10)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 5.73 V/m; Power Drift = -0.145 dB
Peak SAR (extrapolated) = 0.380 W/kg
SAR(1 g) = 0.173 mW/g; SAR(10 g) = 0.127 mW/g
Maximum value of SAR (measured) = 0.246 mW/g

Ch46/Zoom Scan (8x8x10)/Cube 1: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 5.73 V/m; Power Drift = -0.145 dB
Peak SAR (extrapolated) = 0.355 W/kg
SAR(1 g) = 0.149 mW/g; SAR(10 g) = 0.100 mW/g
Maximum value of SAR (measured) = 0.206 mW/g



#03 802.11a_Bottom_0cm_Ch60_Ant 0+1

DUT: 241131

Communication System: 802.11a; Frequency: 5300 MHz; Duty Cycle: 1:1

Medium: MSL_5G_120430 Medium parameters used: $f = 5300$ MHz; $\sigma = 5.4$ mho/m; $\epsilon_r = 48.1$; $\rho = 1000$ kg/m³

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3792; ConvF(3.93, 3.93, 3.93); Calibrated: 2011/6/20
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn913; Calibrated: 2011/12/23
- Phantom: ELI 4.0; Type: QDOVA001BA; Serial: 1029
- Software: DASY5 Version; SEMCAD X Version 13.4 Build 45

Ch60/Area Scan (261x361x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.664 mW/g

Ch60/Zoom Scan (8x8x10)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 5.24 V/m; Power Drift = -0.128 dB

Peak SAR (extrapolated) = 1.11 W/kg

SAR(1 g) = 0.392 mW/g; SAR(10 g) = 0.208 mW/g

Maximum value of SAR (measured) = 0.629 mW/g

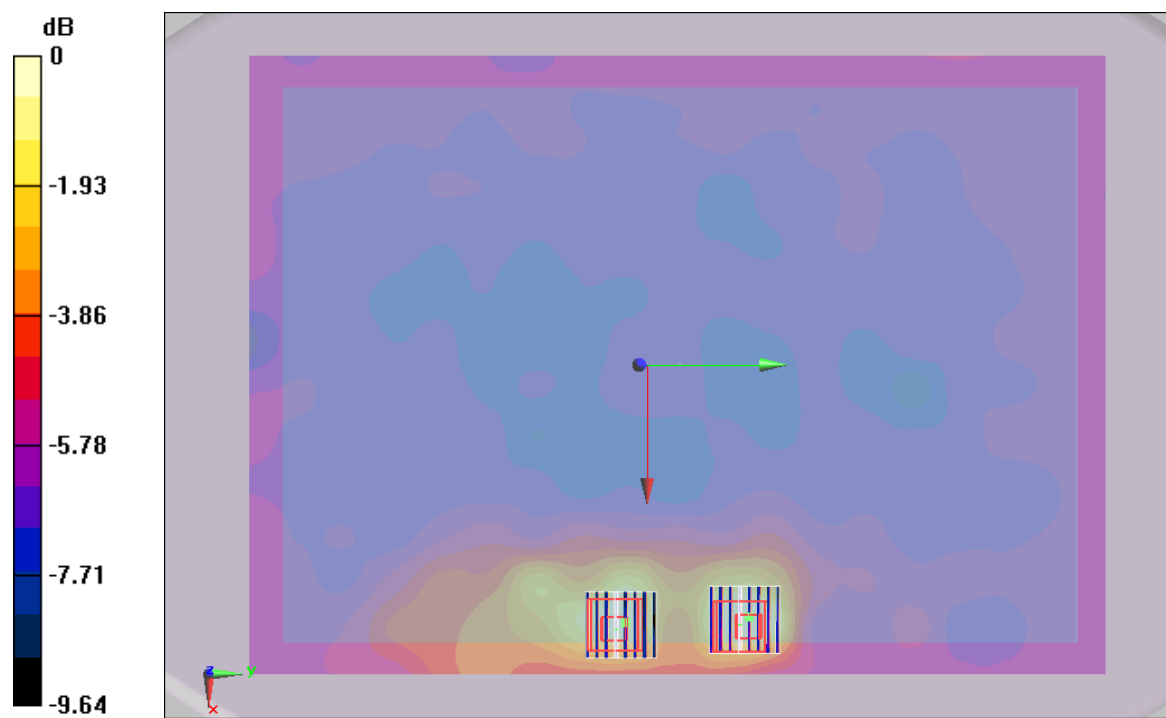
Ch60/Zoom Scan (8x8x10)/Cube 1: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 5.24 V/m; Power Drift = -0.128 dB

Peak SAR (extrapolated) = 0.980 W/kg

SAR(1 g) = 0.341 mW/g; SAR(10 g) = 0.180 mW/g

Maximum value of SAR (measured) = 0.588 mW/g



0 dB = 0.588mW/g

#03 802.11a_Bottom_0cm_Ch60_Ant 0+1_2D**DUT: 241131**

Communication System: 802.11a; Frequency: 5300 MHz; Duty Cycle: 1:1

Medium: MSL_5G_120430 Medium parameters used: $f = 5300$ MHz; $\sigma = 5.4$ mho/m; $\epsilon_r = 48.1$; $\rho = 1000$ kg/m³

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3792; ConvF(3.93, 3.93, 3.93); Calibrated: 2011/6/20
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn913; Calibrated: 2011/12/23
- Phantom: ELI 4.0; Type: QDOVA001BA; Serial: 1029
- Software: DASY5 Version; SEMCAD X Version 13.4 Build 45

Ch60/Area Scan (261x361x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.664 mW/g

Ch60/Zoom Scan (8x8x10)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 5.24 V/m; Power Drift = -0.128 dB

Peak SAR (extrapolated) = 1.11 W/kg

SAR(1 g) = 0.392 mW/g; SAR(10 g) = 0.208 mW/g

Maximum value of SAR (measured) = 0.629 mW/g

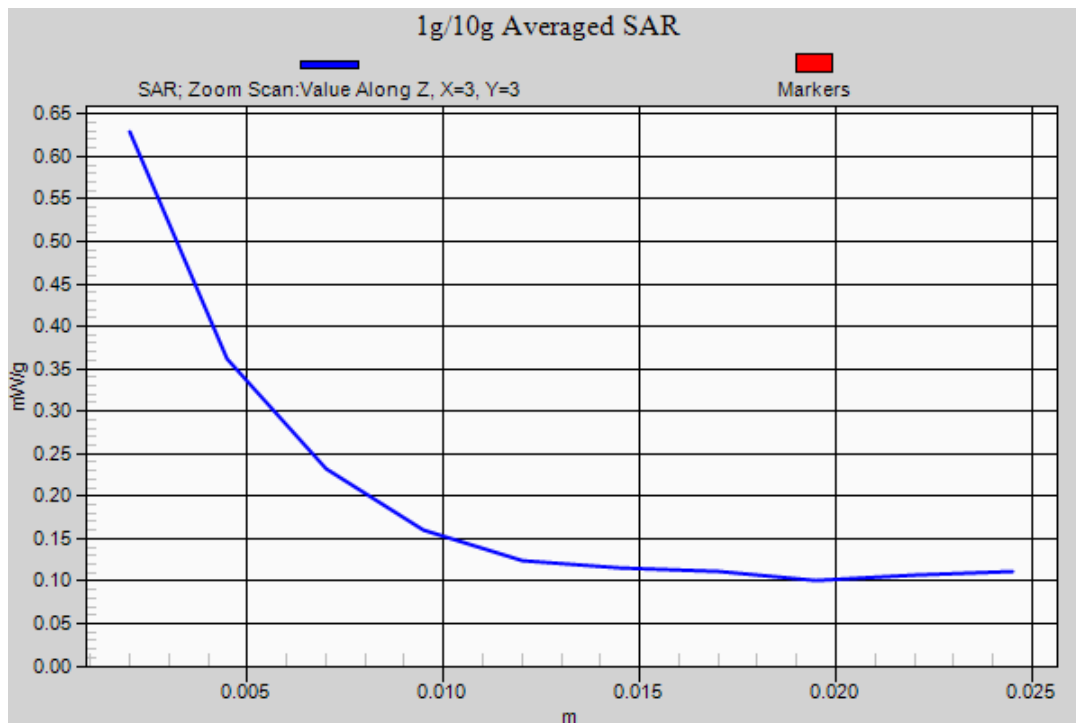
Ch60/Zoom Scan (8x8x10)/Cube 1: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 5.24 V/m; Power Drift = -0.128 dB

Peak SAR (extrapolated) = 0.980 W/kg

SAR(1 g) = 0.341 mW/g; SAR(10 g) = 0.180 mW/g

Maximum value of SAR (measured) = 0.588 mW/g



#04 802.11a_Bottom_0cm_Ch112_Ant 0+1

DUT: 241131

Communication System: 802.11a; Frequency: 5560 MHz; Duty Cycle: 1:1

Medium: MSL_5G_120430 Medium parameters used: $f = 5560$ MHz; $\sigma = 5.78$ mho/m; $\epsilon_r = 47.5$; $\rho = 1000$ kg/m³

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3792; ConvF(3.53, 3.53, 3.53); Calibrated: 2011/6/20
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn913; Calibrated: 2011/12/23
- Phantom: ELI 4.0; Type: QDOVA001BA; Serial: 1029
- Software: DASY5 Version; SEMCAD X Version 13.4 Build 45

Ch112/Area Scan (261x361x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.610 mW/g

Ch112/Zoom Scan (8x8x10)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 5.32 V/m; Power Drift = -0.132 dB

Peak SAR (extrapolated) = 0.999 W/kg

SAR(1 g) = 0.376 mW/g; SAR(10 g) = 0.227 mW/g

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

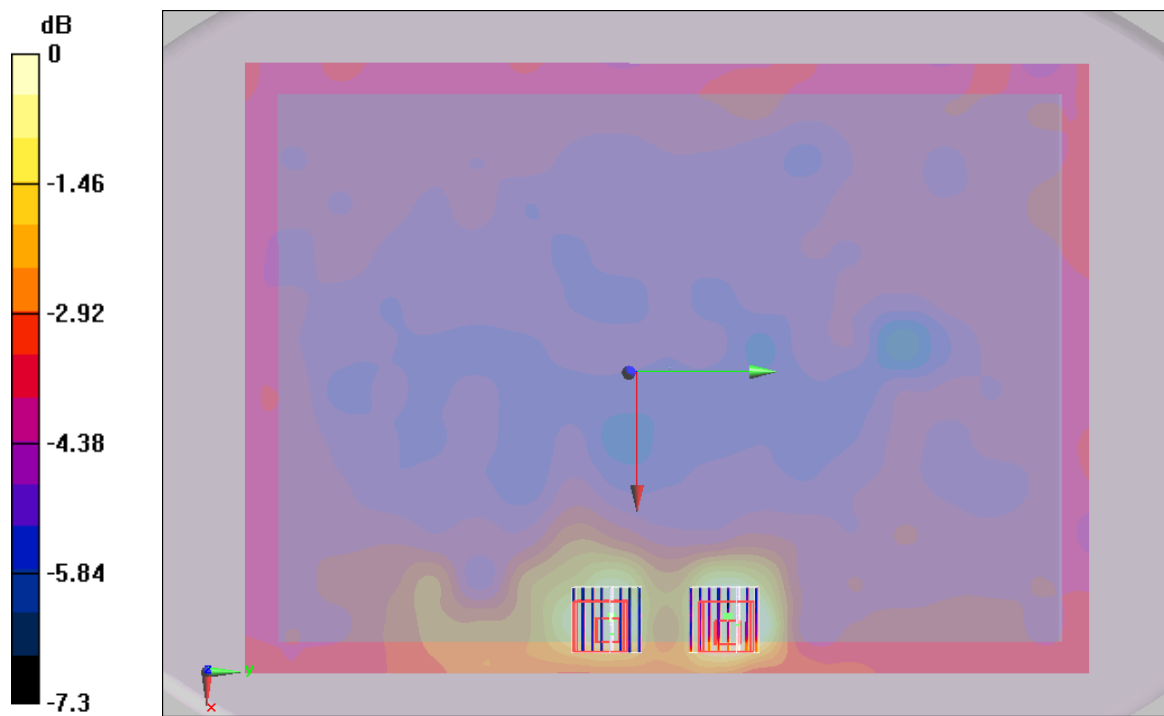
Ch112/Zoom Scan (8x8x10)/Cube 1: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 5.32 V/m; Power Drift = -0.132 dB

Peak SAR (extrapolated) = 0.667 W/kg

SAR(1 g) = 0.244 mW/g; SAR(10 g) = 0.157 mW/g

Maximum value of SAR (measured) = 0.390 mW/g



0 dB = 0.390mW/g

#05 802.11n_20M_Bottom_0cm_Ch116_Ant 0+1

DUT: 241131

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

Medium: MSL_5G_120430 Medium parameters used : $f = 5580$ MHz; $\sigma = 5.8$ mho/m; $\epsilon_r = 47.5$; $\rho = 1000$ kg/m³

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3792; ConvF(3.53, 3.53, 3.53); Calibrated: 2011/6/20
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn913; Calibrated: 2011/12/23
- Phantom: ELI 4.0; Type: QDOVA001BA; Serial: 1029
- Software: DASY5 Version; SEMCAD X Version 13.4 Build 45

Ch116/Area Scan (121x361x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.587 mW/g

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

Reference Value = 4.81 V/m; Power Drift = -0.169 dB

Peak SAR (extrapolated) = 1.97 W/kg

SAR(1 g) = 0.378 mW/g; SAR(10 g) = 0.204 mW/g

Maximum value of SAR (measured) = 0.619 mW/g

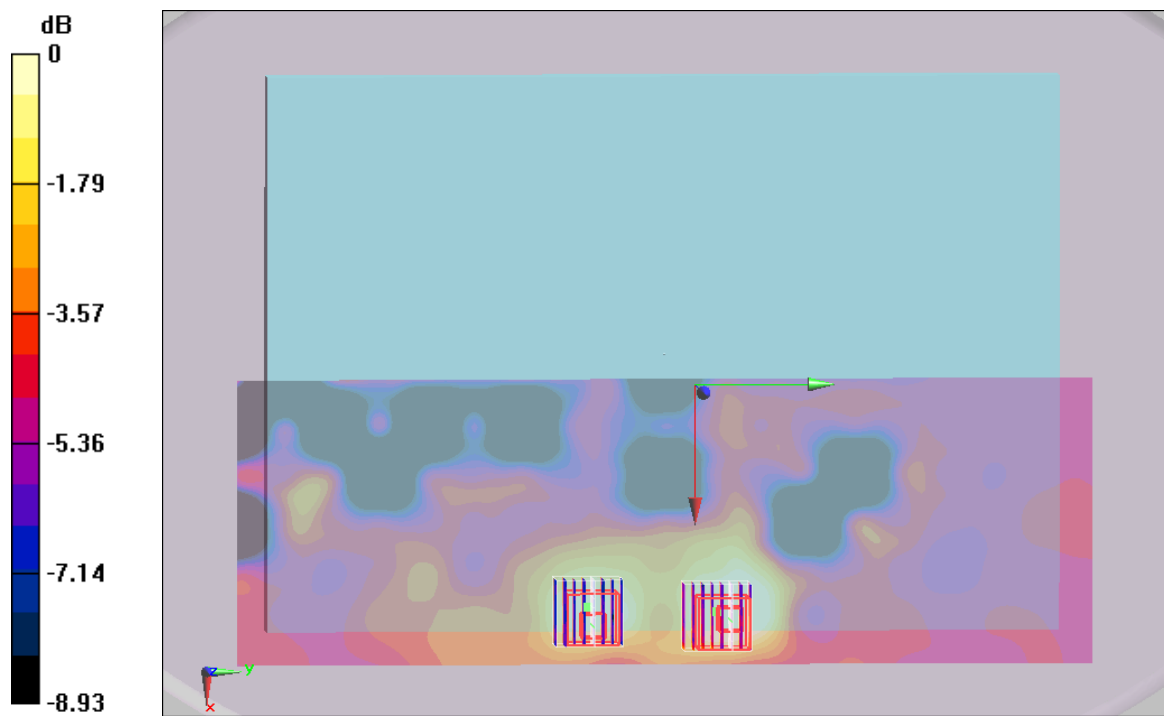
Ch116/Zoom Scan (8x8x10)/Cube 1: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 4.81 V/m; Power Drift = -0.169 dB

Peak SAR (extrapolated) = 0.669 W/kg

SAR(1 g) = 0.249 mW/g; SAR(10 g) = 0.147 mW/g

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



#06 802.11n_40M_Bottom_0cm_Ch118_Ant 0+1

DUT: 241131

Communication System: 802.11n; Frequency: 5590 MHz; Duty Cycle: 1:1

Medium: MSL_5G_120430 Medium parameters used : $f = 5590$ MHz; $\sigma = 5.82$ mho/m; $\epsilon_r = 47.5$; $\rho = 1000$ kg/m³

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3792; ConvF(3.53, 3.53, 3.53); Calibrated: 2011/6/20
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn913; Calibrated: 2011/12/23
- Phantom: ELI 4.0; Type: QDOVA001BA; Serial: 1029
- Software: DASY5 Version; SEMCAD X Version 13.4 Build 45

Ch118/Area Scan (121x361x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.537 mW/g

Ch118/Zoom Scan (8x8x10)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 5.53 V/m; Power Drift = -0.139 dB

Peak SAR (extrapolated) = 1.47 W/kg

SAR(1 g) = 0.449 mW/g; SAR(10 g) = 0.328 mW/g

Maximum value of SAR (measured) = 0.726 mW/g

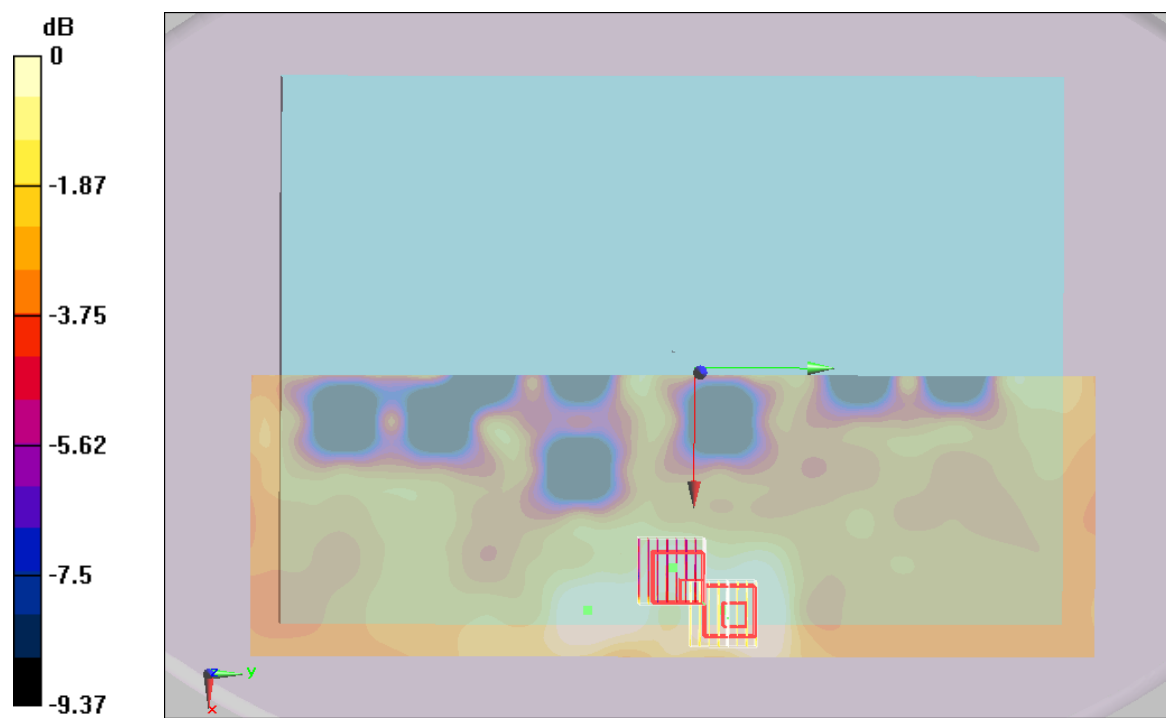
Ch118/Zoom Scan (8x8x10)/Cube 1: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 5.53 V/m; Power Drift = -0.139 dB

Peak SAR (extrapolated) = 0.882 W/kg

SAR(1 g) = 0.192 mW/g; SAR(10 g) = 0.126 mW/g

Maximum value of SAR (measured) = 0.324 mW/g



0 dB = 0.324mW/g

#06 802.11n_40M_Bottom_0cm_Ch118_Ant 0+1_2D

DUT: 241131

Communication System: 802.11n; Frequency: 5590 MHz; Duty Cycle: 1:1

Medium: MSL_5G_120430 Medium parameters used : $f = 5590$ MHz; $\sigma = 5.82$ mho/m; $\epsilon_r = 47.5$; $\rho = 1000$ kg/m³

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3792; ConvF(3.53, 3.53, 3.53); Calibrated: 2011/6/20
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn913; Calibrated: 2011/12/23
- Phantom: ELI 4.0; Type: QDOVA001BA; Serial: 1029
- Software: DASY5 Version; SEMCAD X Version 13.4 Build 45

Ch118/Area Scan (121x361x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.537 mW/g

Ch118/Zoom Scan (8x8x10)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 5.53 V/m; Power Drift = -0.139 dB

Peak SAR (extrapolated) = 1.47 W/kg

SAR(1 g) = 0.449 mW/g; SAR(10 g) = 0.328 mW/g

Maximum value of SAR (measured) = 0.726 mW/g

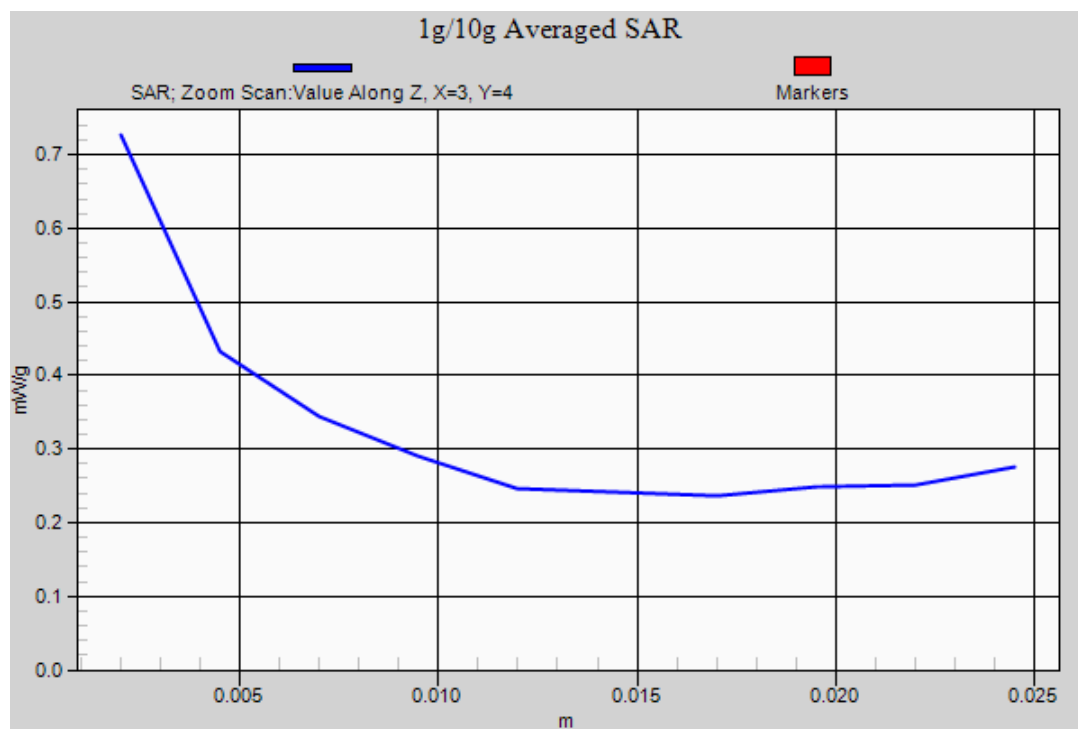
Ch118/Zoom Scan (8x8x10)/Cube 1: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 5.53 V/m; Power Drift = -0.139 dB

Peak SAR (extrapolated) = 0.882 W/kg

SAR(1 g) = 0.192 mW/g; SAR(10 g) = 0.126 mW/g

Maximum value of SAR (measured) = 0.324 mW/g



#07 802.11a_Bottom_0cm_Ch165_Ant 0+1**DUT: 241131**

Communication System: 802.11a; Frequency: 5825 MHz; Duty Cycle: 1:1

Medium: MSL_5G_120430 Medium parameters used: $f = 5825$ MHz; $\sigma = 6.14$ mho/m; $\epsilon_r = 46.8$; $\rho = 1000$ kg/m³

Ambient Temperature : 22.4 °C; Liquid Temperature : 21.4 °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 Sn913; Calibrated: 2011/12/23
- Phantom: ELI 4.0; Type: QDOVA001BA; Serial: 1029
- Software: DASY5 Version; SEMCAD X Version 13.4 Build 45

Ch165/Area Scan (281x361x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.418 mW/g

Ch165/Zoom Scan (8x8x10)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 6.01 V/m; Power Drift = 0.083 dB

Peak SAR (extrapolated) = 0.669 W/kg

SAR(1 g) = 0.367 mW/g; SAR(10 g) = 0.295 mW/g

Maximum value of SAR (measured) = 0.479 mW/g

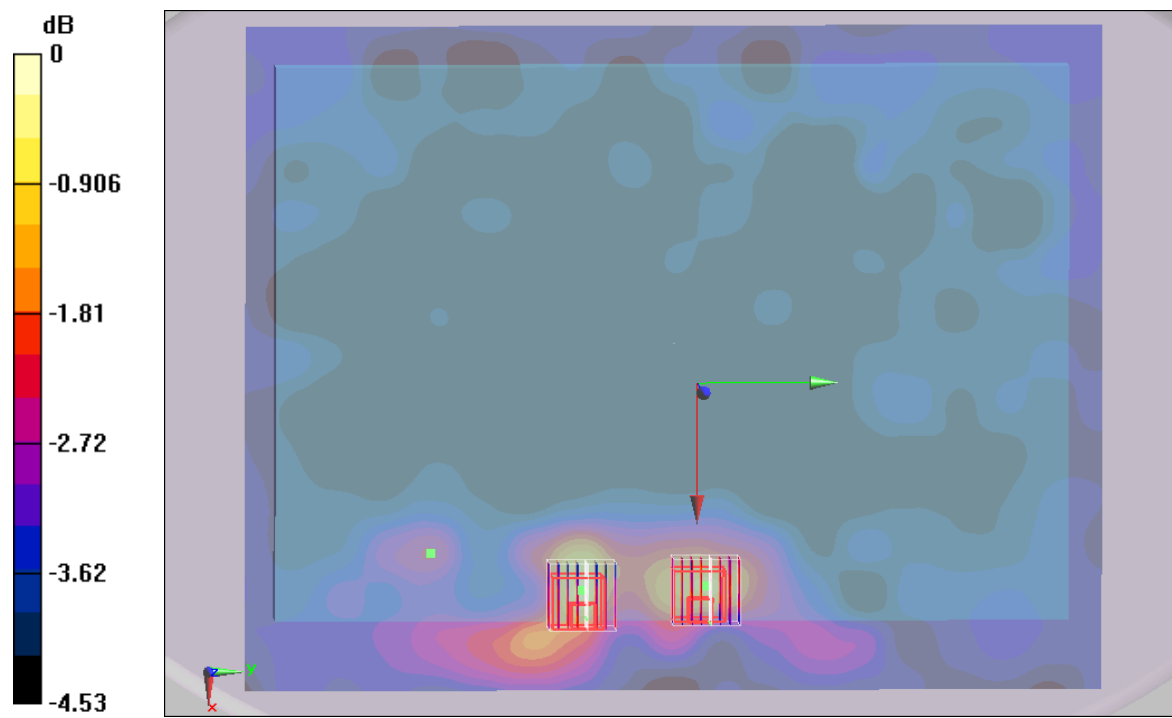
Ch165/Zoom Scan (8x8x10)/Cube 1: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 6.01 V/m; Power Drift = 0.083 dB

Peak SAR (extrapolated) = 0.715 W/kg

SAR(1 g) = 0.326 mW/g; SAR(10 g) = 0.280 mW/g

Maximum value of SAR (measured) = 0.469 mW/g



#08 802.11n_20M_Bottom_0cm_Ch165_Ant 0+1

DUT: 241131

Communication System: 802.11n; Frequency: 5825 MHz; Duty Cycle: 1:1

Medium: MSL_5G_120430 Medium parameters used: $f = 5825 \text{ MHz}$; $\sigma = 6.14 \text{ mho/m}$; $\epsilon_r = 46.8$; $\rho = 1000 \text{ kg/m}^3$

Ambient Temperature : 22.4°C ; Liquid Temperature : 21.4°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 Sn913; Calibrated: 2011/12/23
- Phantom: ELI 4.0; Type: QDOVA001BA; Serial: 1029
- Software: DASY5 Version; SEMCAD X Version 13.4 Build 45

Ch165/Area Scan (121x361x1): Measurement grid: $dx=10\text{mm}$, $dy=10\text{mm}$

Maximum value of SAR (interpolated) = 0.462 mW/g

Ch165/Zoom Scan (8x8x10)/Cube 1: Measurement grid: $dx=4\text{mm}$, $dy=4\text{mm}$, $dz=2.5\text{mm}$

Reference Value = 3.91 V/m ; Power Drift = 0.09 dB

Peak SAR (extrapolated) = 0.573 W/kg

SAR(1 g) = 0.347 mW/g ; SAR(10 g) = 0.293 mW/g

Maximum value of SAR (measured) = 0.436 mW/g

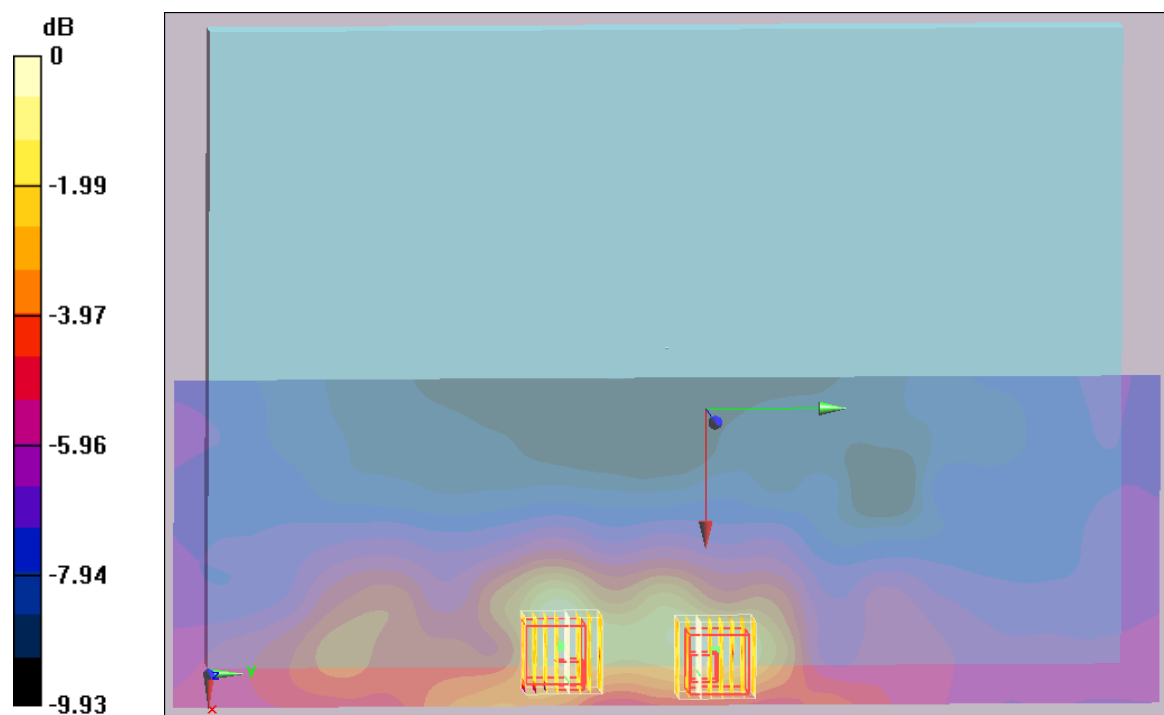
Ch165/Zoom Scan (8x8x10)/Cube 0: Measurement grid: $dx=4\text{mm}$, $dy=4\text{mm}$, $dz=2.5\text{mm}$

Reference Value = 3.91 V/m ; Power Drift = 0.09 dB

Peak SAR (extrapolated) = 0.564 W/kg

SAR(1 g) = 0.344 mW/g ; SAR(10 g) = 0.294 mW/g

Maximum value of SAR (measured) = 0.424 mW/g



0 dB = 0.424mW/g

#09 802.11n_40M_Bottom_0cm_Ch159_Ant 0+1

DUT: 241131

Communication System: 802.11n; Frequency: 5795 MHz; Duty Cycle: 1:1

Medium: MSL_5G_120430 Medium parameters used: $f = 5795 \text{ MHz}$; $\sigma = 6.09 \text{ mho/m}$; $\epsilon_r = 46.9$; $\rho = 1000 \text{ kg/m}^3$

Ambient Temperature : 22.4°C ; Liquid Temperature : 21.4°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 Sn913; Calibrated: 2011/12/23
- Phantom: ELI 4.0; Type: QDOVA001BA; Serial: 1029
- Software: DASY5 Version; SEMCAD X Version 13.4 Build 45

Ch159/Area Scan (121x361x1): Measurement grid: $dx=10\text{mm}$, $dy=10\text{mm}$

Maximum value of SAR (interpolated) = 0.657 mW/g

Ch159/Zoom Scan (8x8x10)/Cube 0: Measurement grid: $dx=4\text{mm}$, $dy=4\text{mm}$, $dz=2.5\text{mm}$

Reference Value = 3.8 V/m ; Power Drift = 0.089 dB

Peak SAR (extrapolated) = 0.923 W/kg

SAR(1 g) = 0.411 mW/g ; SAR(10 g) = 0.314 mW/g

Maximum value of SAR (measured) = 0.566 mW/g

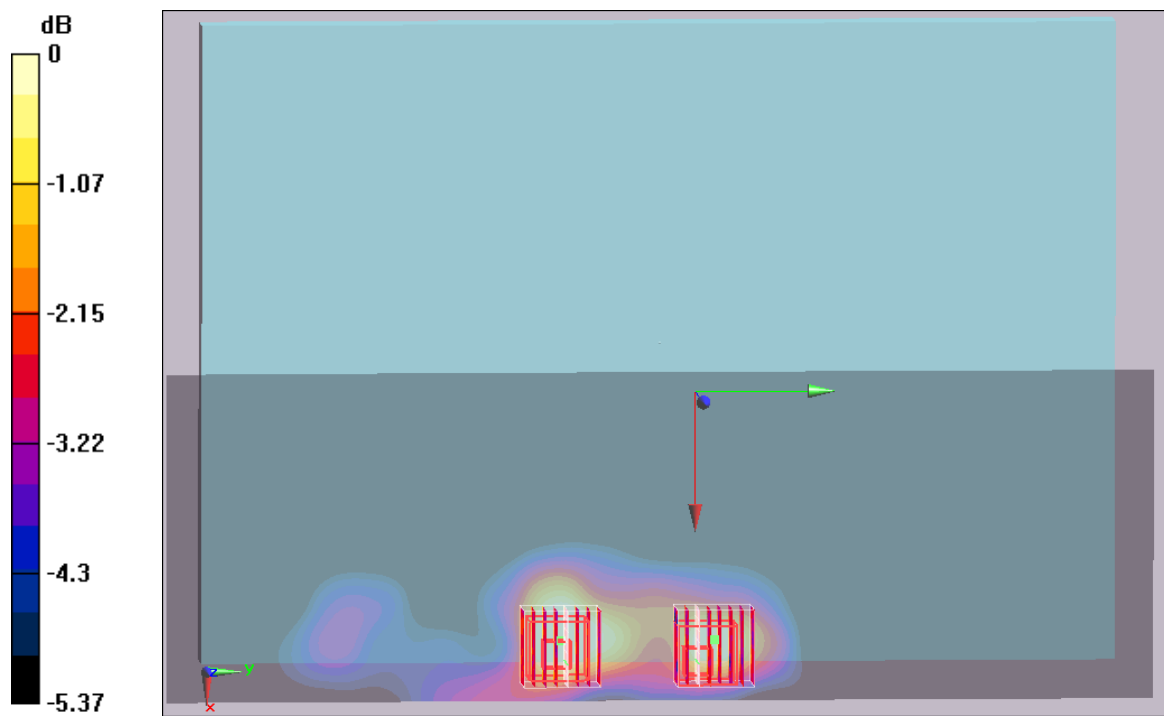
Ch159/Zoom Scan (8x8x10)/Cube 1: Measurement grid: $dx=4\text{mm}$, $dy=4\text{mm}$, $dz=2.5\text{mm}$

Reference Value = 3.8 V/m ; Power Drift = 0.089 dB

Peak SAR (extrapolated) = 0.979 W/kg

SAR(1 g) = 0.361 mW/g ; SAR(10 g) = 0.286 mW/g

Maximum value of SAR (measured) = 0.484 mW/g



#09 802.11n_40M_Bottom_0cm_Ch159_Ant 0+1_2D**DUT: 241131**

Communication System: 802.11n; Frequency: 5795 MHz; Duty Cycle: 1:1

Medium: MSL_5G_120430 Medium parameters used: $f = 5795$ MHz; $\sigma = 6.09$ mho/m; $\epsilon_r = 46.9$; $\rho = 1000$ kg/m³

Ambient Temperature : 22.4 °C; Liquid Temperature : 21.4 °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 Sn913; Calibrated: 2011/12/23
- Phantom: ELI 4.0; Type: QDOVA001BA; Serial: 1029
- Software: DASY5 Version; SEMCAD X Version 13.4 Build 45

Ch159/Area Scan (121x361x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.657 mW/g

Ch159/Zoom Scan (8x8x10)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 3.8 V/m; Power Drift = 0.089 dB

Peak SAR (extrapolated) = 0.923 W/kg

SAR(1 g) = 0.411 mW/g; SAR(10 g) = 0.314 mW/g

Maximum value of SAR (measured) = 0.566 mW/g

Ch159/Zoom Scan (8x8x10)/Cube 1: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 3.8 V/m; Power Drift = 0.089 dB

Peak SAR (extrapolated) = 0.979 W/kg

SAR(1 g) = 0.361 mW/g; SAR(10 g) = 0.286 mW/g

Maximum value of SAR (measured) = 0.484 mW/g

