

#01 802.11b_Bottom_0cm_Ch6_Ant 1

DUT: 241954

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

Medium: MSL_2450_120503 Medium parameters used: $f = 2437$ MHz; $\sigma = 1.94$ mho/m; $\epsilon_r = 54.6$; $\rho = 1000$ kg/m³

Ambient Temperature : 22.7 °C; Liquid Temperature : 21.7 °C

DASY5 Configuration:

- Probe: ES3DV3 - SN3270; ConvF(4.28, 4.28, 4.28); Calibrated: 2011/9/12
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn577; Calibrated: 2011/6/20
- Phantom: ELI 4.0_Front; Type: QDOVA001BB; Serial: 1026
- Software: DASY5 Version; SEMCAD X Version 13.4 Build 45

Ch6/Area Scan (141x191x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.868 mW/g

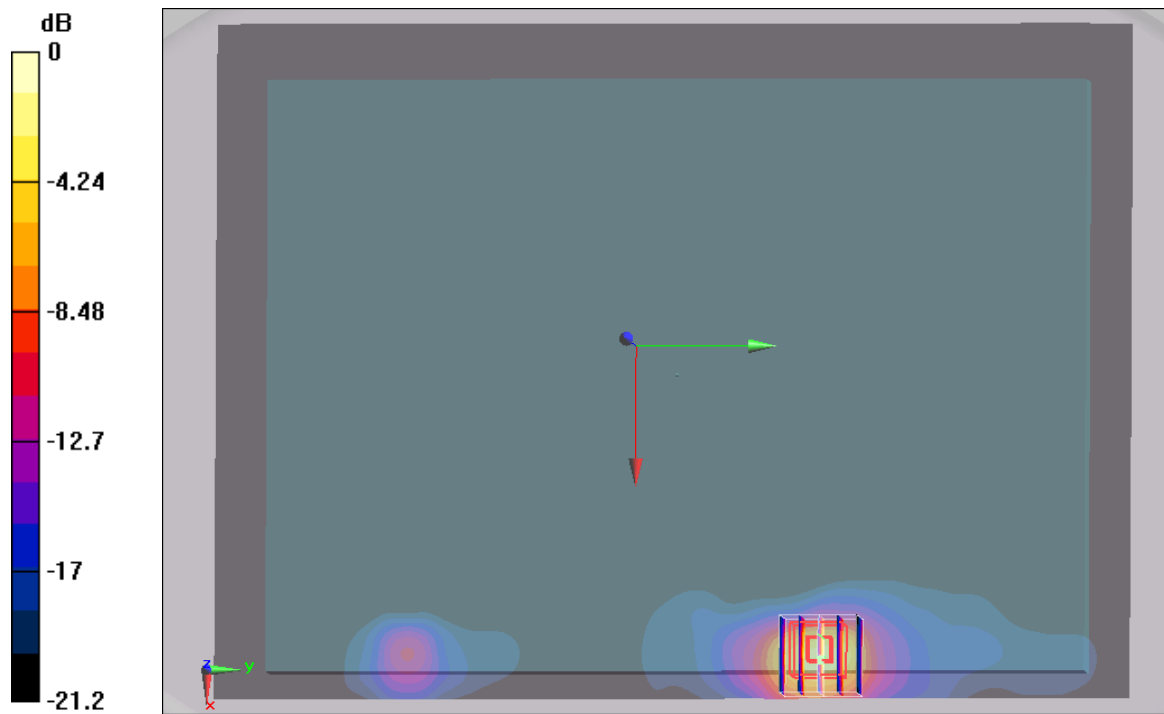
Ch6/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 0 V/m; Power Drift = 0.16 dB

Peak SAR (extrapolated) = 3.02 W/kg

SAR(1 g) = 1.25 mW/g; SAR(10 g) = 0.482 mW/g

Maximum value of SAR (measured) = 1.29 mW/g



#02 802.11b_Bottom_0cm_Ch1_Ant 1

DUT: 241954

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

Medium: MSL_2450_120503 Medium parameters used: $f = 2412$ MHz; $\sigma = 1.91$ mho/m; $\epsilon_r = 54.8$; $\rho = 1000$ kg/m³

Ambient Temperature : 22.7 °C; Liquid Temperature : 21.7 °C

DASY5 Configuration:

- Probe: ES3DV3 - SN3270; ConvF(4.28, 4.28, 4.28); Calibrated: 2011/9/12
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn577; Calibrated: 2011/6/20
- Phantom: ELI 4.0_Front; Type: QDOVA001BB; Serial: 1026
- Software: DASY5 Version; SEMCAD X Version 13.4 Build 45

Ch1/Area Scan (41x191x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.08 mW/g

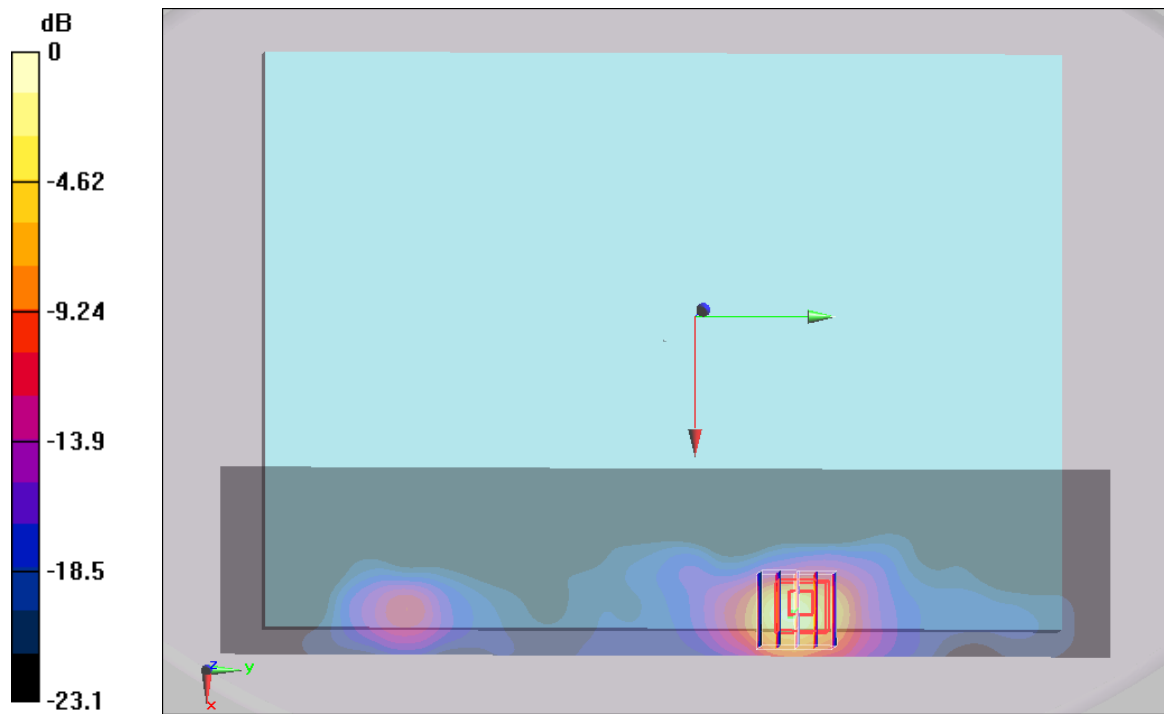
Ch1/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 0.565 V/m; Power Drift = 0.884 dB

Peak SAR (extrapolated) = 1.82 W/kg

SAR(1 g) = 0.760 mW/g; SAR(10 g) = 0.293 mW/g

Maximum value of SAR (measured) = 0.756 mW/g



#03 802.11b_Bottom_0cm_Ch11_Ant 1

DUT: 241954

Communication System: 802.11b ; Frequency: 2462 MHz;Duty Cycle: 1:1

Medium: MSL_2450_120503 Medium parameters used: $f = 2462$ MHz; $\sigma = 1.98$ mho/m; $\epsilon_r = 54.5$; $\rho = 1000$ kg/m³

Ambient Temperature : 22.7 °C; Liquid Temperature : 21.7 °C

DASY5 Configuration:

- Probe: ES3DV3 - SN3270; ConvF(4.28, 4.28, 4.28); Calibrated: 2011/9/12
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn577; Calibrated: 2011/6/20
- Phantom: ELI 4.0_Front; Type: QDOVA001BB; Serial: 1026
- Software: DASY5 Version; SEMCAD X Version 13.4 Build 45

Ch11/Area Scan (41x191x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.914 mW/g

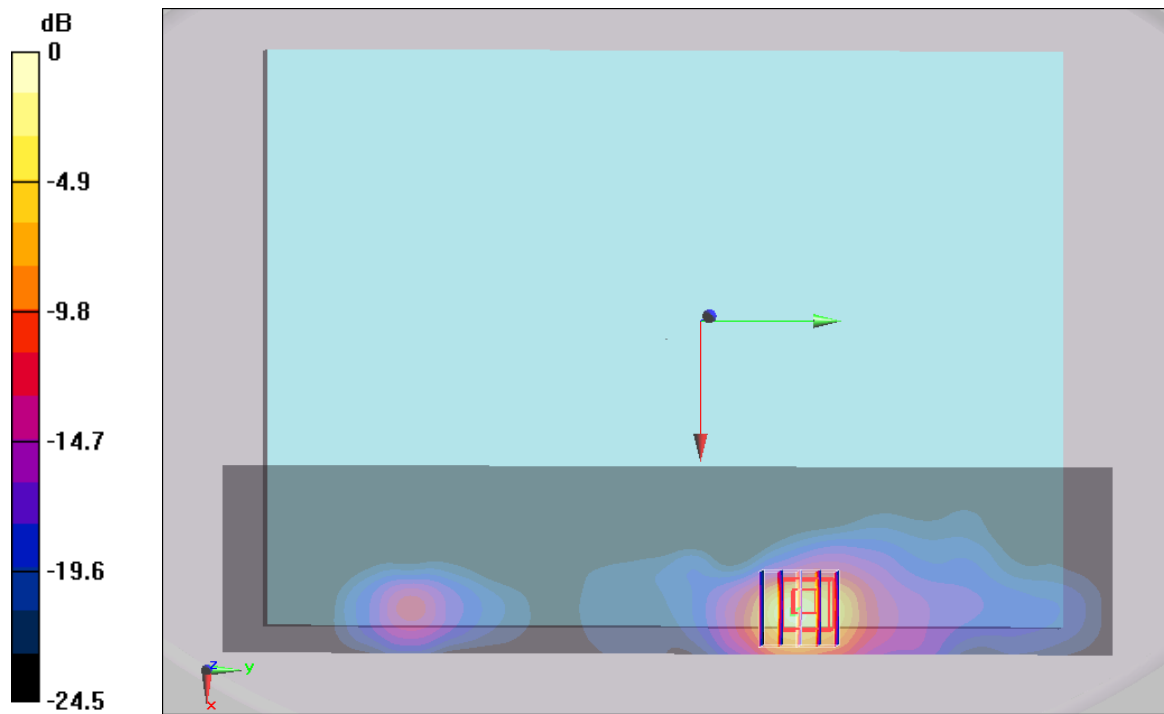
Ch11/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 1.35 V/m; Power Drift = -0.07 dB

Peak SAR (extrapolated) = 3.01 W/kg

SAR(1 g) = 1.24 mW/g; SAR(10 g) = 0.468 mW/g

Maximum value of SAR (measured) = 1.17 mW/g



0 dB = 1.17mW/g

#04 802.11g_Bottom_0cm_Ch6_Ant 1

DUT: 241954

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

Medium: MSL_2450_120503 Medium parameters used: $f = 2437$ MHz; $\sigma = 1.94$ mho/m; $\epsilon_r = 54.6$; $\rho = 1000$ kg/m³

Ambient Temperature : 22.7 °C; Liquid Temperature : 21.7 °C

DASY5 Configuration:

- Probe: ES3DV3 - SN3270; ConvF(4.28, 4.28, 4.28); Calibrated: 2011/9/12
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn577; Calibrated: 2011/6/20
- Phantom: ELI 4.0_Front; Type: QDOVA001BB; Serial: 1026
- Software: DASY5 Version; SEMCAD X Version 13.4 Build 45

Ch6/Area Scan (41x191x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.940 mW/g

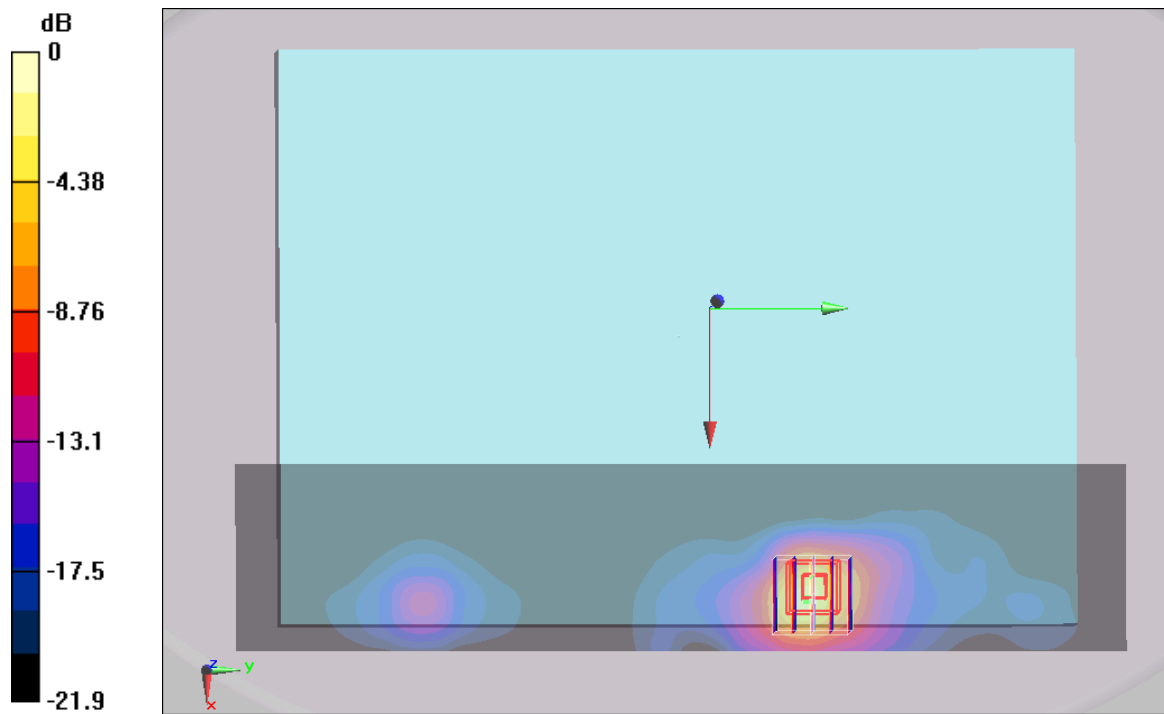
Ch6/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 1.9 V/m; Power Drift = -0.09 dB

Peak SAR (extrapolated) = 3.2 W/kg

SAR(1 g) = 1.41 mW/g; SAR(10 g) = 0.568 mW/g

Maximum value of SAR (measured) = 1.5 mW/g



0 dB = 1.5mW/g

#04 802.11g_Bottom_0cm_Ch6_Ant 1_2D

DUT: 241954

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

Medium: MSL_2450_120503 Medium parameters used: $f = 2437$ MHz; $\sigma = 1.94$ mho/m; $\epsilon_r = 54.6$; $\rho = 1000$ kg/m³

Ambient Temperature : 22.7 °C ; Liquid Temperature : 21.7 °C

DASY5 Configuration:

- Probe: ES3DV3 - SN3270; ConvF(4.28, 4.28, 4.28); Calibrated: 2011/9/12
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn577; Calibrated: 2011/6/20
- Phantom: ELI 4.0 Front; Type: QDOVA001BB; Serial: 1026
- Software: DASY5 Version; SEMCAD X Version 13.4 Build 45

Ch6/Area Scan (41x191x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.940 mW/g

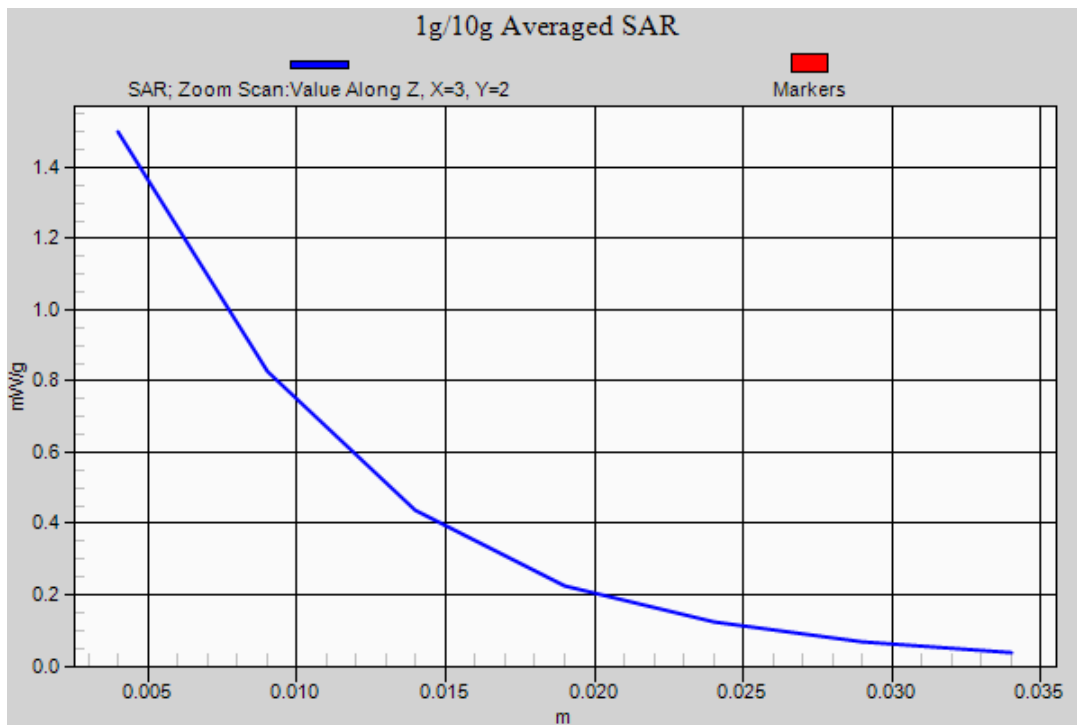
Ch6/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 1.9 V/m; Power Drift = -0.09 dB

Peak SAR (extrapolated) = 3.2 W/kg

SAR(1 g) = 1.41 mW/g; SAR(10 g) = 0.568 mW/g

Maximum value of SAR (measured) = 1.5 mW/g



#31 802.11g_Bottom_0cm_Ch1_Ant 1

DUT: 241954

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

Medium: MSL_2450_120503 Medium parameters used: $f = 2412$ MHz; $\sigma = 1.91$ mho/m; $\epsilon_r = 54.8$; $\rho = 1000$ kg/m³

Ambient Temperature : 22.7 °C; Liquid Temperature : 21.7 °C

DASY5 Configuration:

- Probe: ES3DV3 - SN3270; ConvF(4.28, 4.28, 4.28); Calibrated: 2011/9/12
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn577; Calibrated: 2011/6/20
- Phantom: ELI 4.0_Front; Type: QDOVA001BB; Serial: 1026
- Software: DASY5 Version; SEMCAD X Version 13.4 Build 45

Ch1/Area Scan (41x191x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.371 mW/g

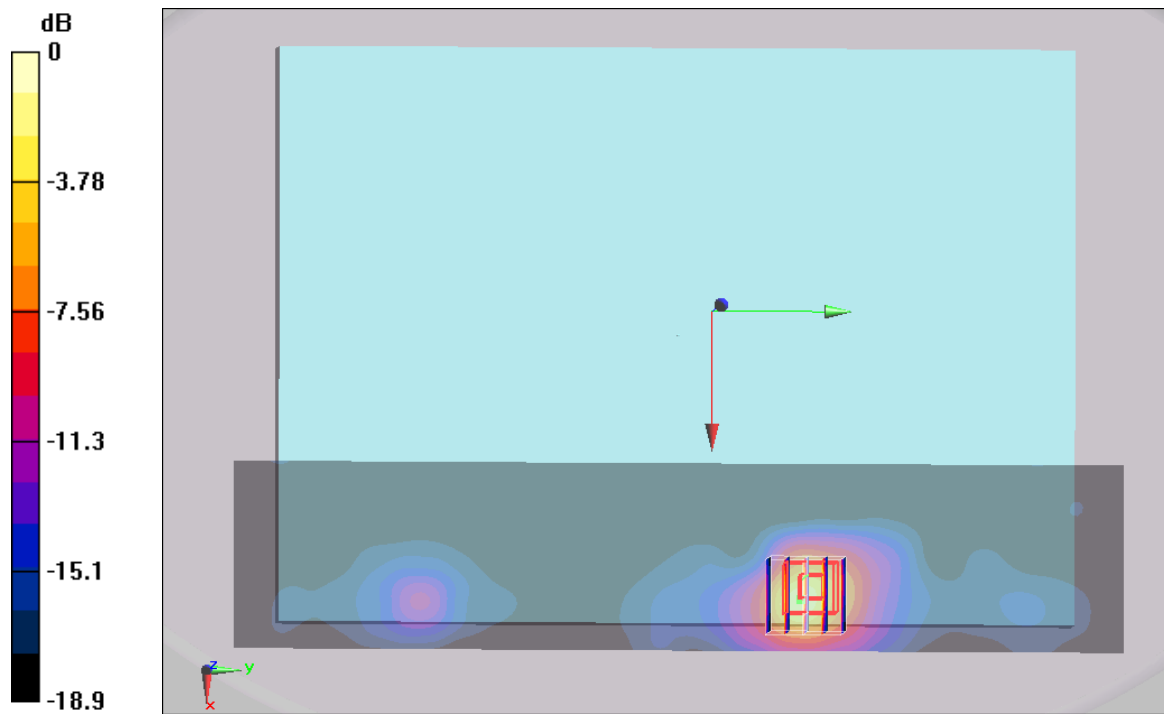
Ch1/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 1.61 V/m; Power Drift = -0.07 dB

Peak SAR (extrapolated) = 1.21 W/kg

SAR(1 g) = 0.537 mW/g; SAR(10 g) = 0.218 mW/g

Maximum value of SAR (measured) = 0.518 mW/g



0 dB = 0.518mW/g

#32 802.11g_Bottom_0cm_Ch11_Ant 1

DUT: 241954

Communication System: 802.11b ; Frequency: 2462 MHz; Duty Cycle: 1:1

Medium: MSL_2450_120503 Medium parameters used: $f = 2462$ MHz; $\sigma = 1.98$ mho/m; $\epsilon_r = 54.5$; $\rho = 1000$ kg/m³

Ambient Temperature : 22.7 °C ; Liquid Temperature : 21.7 °C

DASY5 Configuration:

- Probe: ES3DV3 - SN3270; ConvF(4.28, 4.28, 4.28); Calibrated: 2011/9/12
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn577; Calibrated: 2011/6/20
- Phantom: ELI 4.0_Front; Type: QDOVA001BB; Serial: 1026
- Software: DASY5 Version; SEMCAD X Version 13.4 Build 45

Ch11/Area Scan (41x191x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.453 mW/g

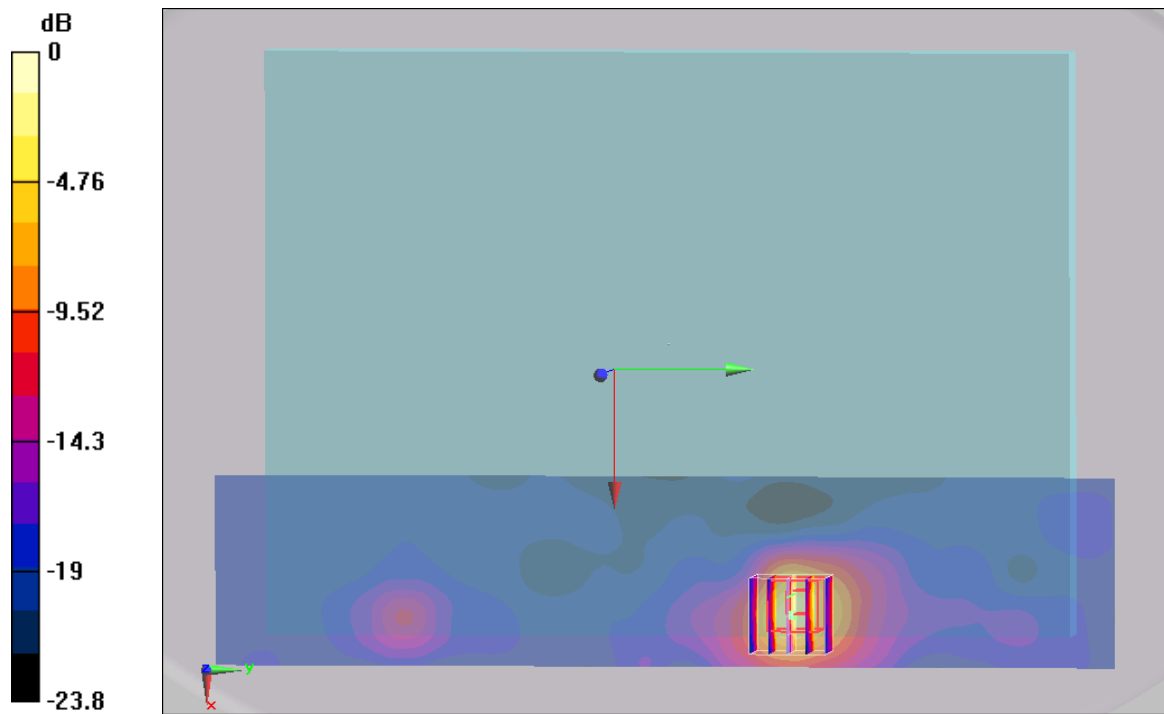
Ch11/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 1.69 V/m; Power Drift = -0.191 dB

Peak SAR (extrapolated) = 1.47 W/kg

SAR(1 g) = 0.641 mW/g; SAR(10 g) = 0.255 mW/g

Maximum value of SAR (measured) = 0.689 mW/g



0 dB = 0.689mW/g

#05 802.11b_Bottom_0cm_Ch1_Ant 0+1

DUT: 241954

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

Medium: MSL_2450_120503 Medium parameters used: $f = 2412$ MHz; $\sigma = 1.91$ mho/m; $\epsilon_r = 54.8$; $\rho = 1000$ kg/m³

Ambient Temperature : 22.7 °C; Liquid Temperature : 21.7 °C

DASY5 Configuration:

- Probe: ES3DV3 - SN3270; ConvF(4.28, 4.28, 4.28); Calibrated: 2011/9/12
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn577; Calibrated: 2011/6/20
- Phantom: ELI 4.0 Front; Type: QDOVA001BB; Serial: 1026
- Software: DASY5 Version; SEMCAD X Version 13.4 Build 45

Ch1/Area Scan (141x191x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.334 mW/g

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

Reference Value = 1.44 V/m; Power Drift = 0.034 dB

Peak SAR (extrapolated) = 1.46 W/kg

SAR(1 g) = 0.614 mW/g; SAR(10 g) = 0.240 mW/g

Maximum value of SAR (measured) = 0.646 mW/g

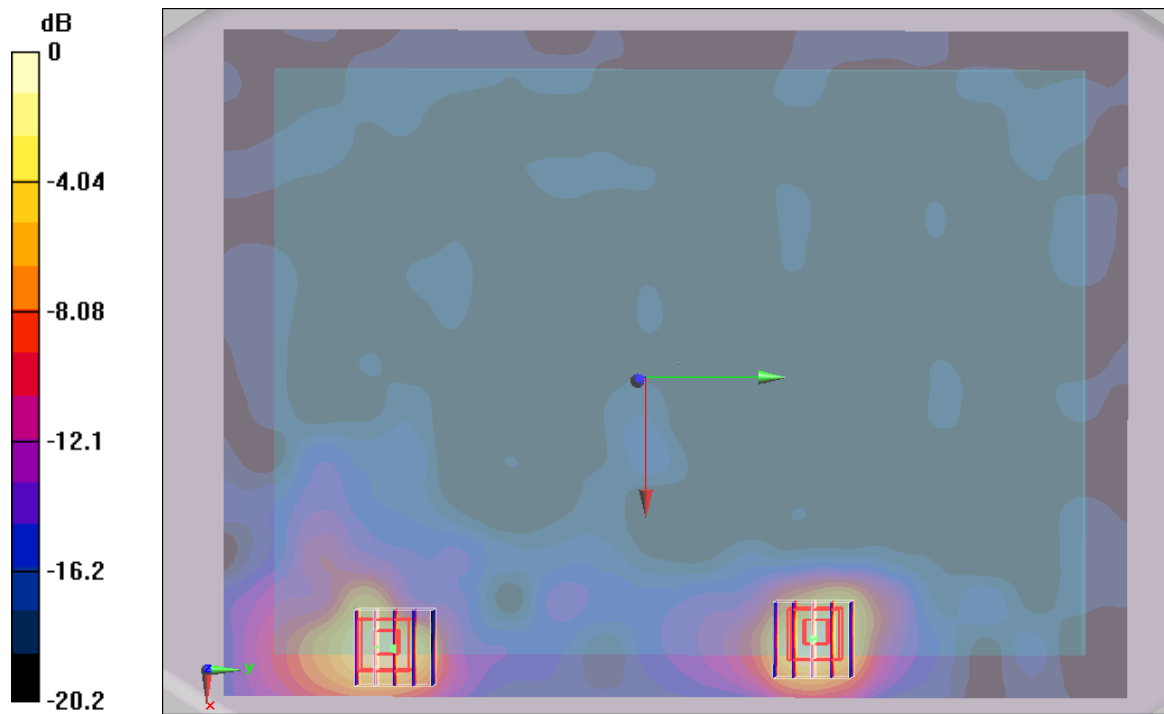
Ch1/Zoom Scan (5x5x7)/Cube 1: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 1.44 V/m; Power Drift = 0.034 dB

Peak SAR (extrapolated) = 0.806 W/kg

SAR(1 g) = 0.363 mW/g; SAR(10 g) = 0.159 mW/g

Maximum value of SAR (measured) = 0.371 mW/g



0 dB = 0.371mW/g

#05 802.11b_Bottom_0cm_Ch1_Ant 0+1_2D

DUT: 241954

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

Medium: MSL_2450_120503 Medium parameters used: $f = 2412$ MHz; $\sigma = 1.91$ mho/m; $\epsilon_r = 54.8$; $\rho = 1000$ kg/m³

Ambient Temperature : 22.7 °C ; Liquid Temperature : 21.7 °C

DASY5 Configuration:

- Probe: ES3DV3 - SN3270; ConvF(4.28, 4.28, 4.28); Calibrated: 2011/9/12
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn577; Calibrated: 2011/6/20
- Phantom: ELI 4.0_Front; Type: QDOVA001BB; Serial: 1026
- Software: DASY5 Version; SEMCAD X Version 13.4 Build 45

Ch1/Area Scan (141x191x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.334 mW/g

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

Reference Value = 1.44 V/m; Power Drift = 0.034 dB

Peak SAR (extrapolated) = 1.46 W/kg

SAR(1 g) = 0.614 mW/g; SAR(10 g) = 0.240 mW/g

Maximum value of SAR (measured) = 0.646 mW/g

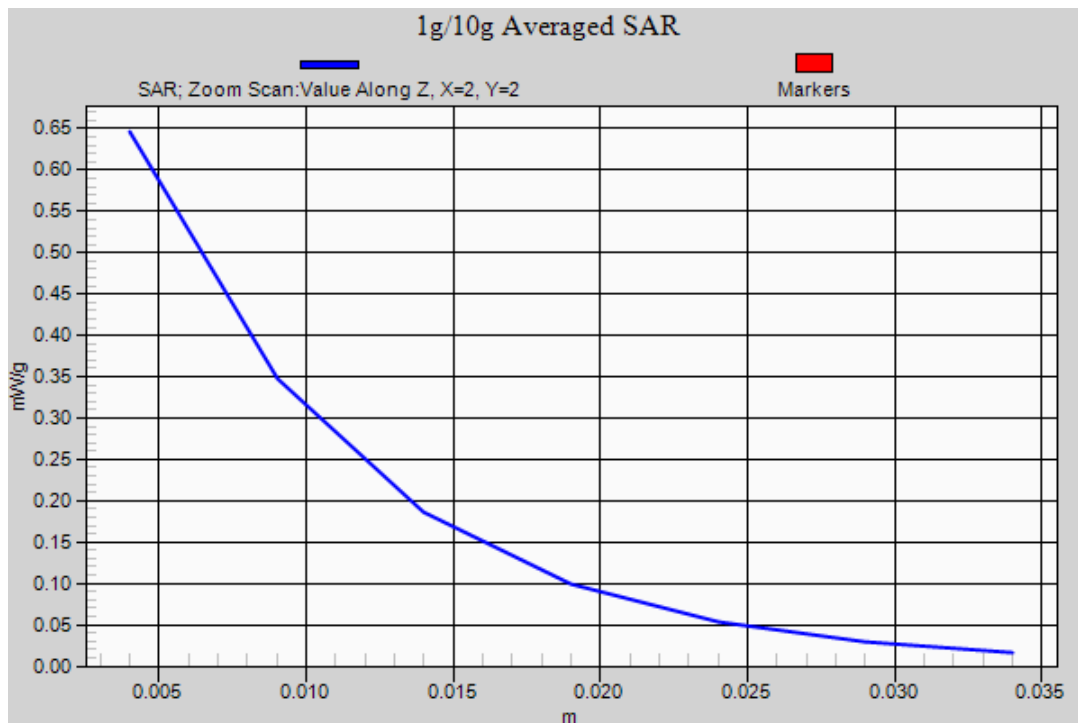
Ch1/Zoom Scan (5x5x7)/Cube 1: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 1.44 V/m; Power Drift = 0.034 dB

Peak SAR (extrapolated) = 0.806 W/kg

SAR(1 g) = 0.363 mW/g; SAR(10 g) = 0.159 mW/g

Maximum value of SAR (measured) = 0.371 mW/g



#06 802.11a_Bottom_0cm_Ch48_Ant 1

DUT: 241954

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

Medium: MSL_5G_120425 Medium parameters used : $f = 5240$ MHz; $\sigma = 5.42$ mho/m; $\epsilon_r = 48.4$; $\rho = 1000$ kg/m³

Ambient Temperature : 22.6 °C; Liquid Temperature : 21.6 °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 Sn910; Calibrated: 2011/12/7
- Phantom: ELI 4.0_Front; Type: QDOVA001BB; Serial: 1026
- Software: DASY5 Version; SEMCAD X Version 13.4 Build 45

Ch48/Area Scan (281x361x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 1.36 mW/g

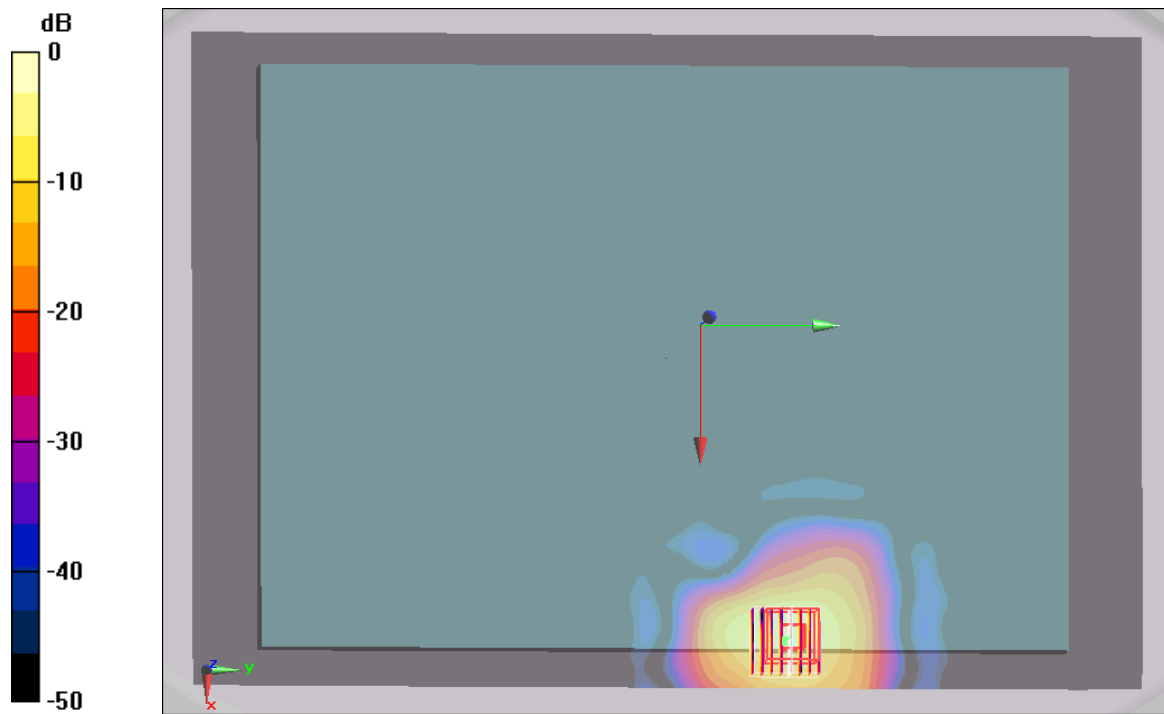
Ch48/Zoom Scan (8x8x10)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 0 V/m; Power Drift = 0.024 dB

Peak SAR (extrapolated) = 5.32 W/kg

SAR(1 g) = 1.33 mW/g; SAR(10 g) = 0.400 mW/g

Maximum value of SAR (measured) = 2.78 mW/g



0 dB = 2.78mW/g

#13 802.11a_Bottom_0cm_Ch36_Ant 1

DUT: 241954

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

Medium: MSL_5G_120507 Medium parameters used : $f = 5180$ MHz; $\sigma = 5.29$ mho/m; $\epsilon_r = 47.5$; $\rho = 1000$ kg/m³

Ambient Temperature : 22.4 °C; Liquid Temperature : 21.4 °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; Type: QDOVA001BA; Serial: 1029
- Software: DASY5 Version; SEMCAD X Version 13.4 Build 45

Ch36/Area Scan (81x361x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 1.51 mW/g

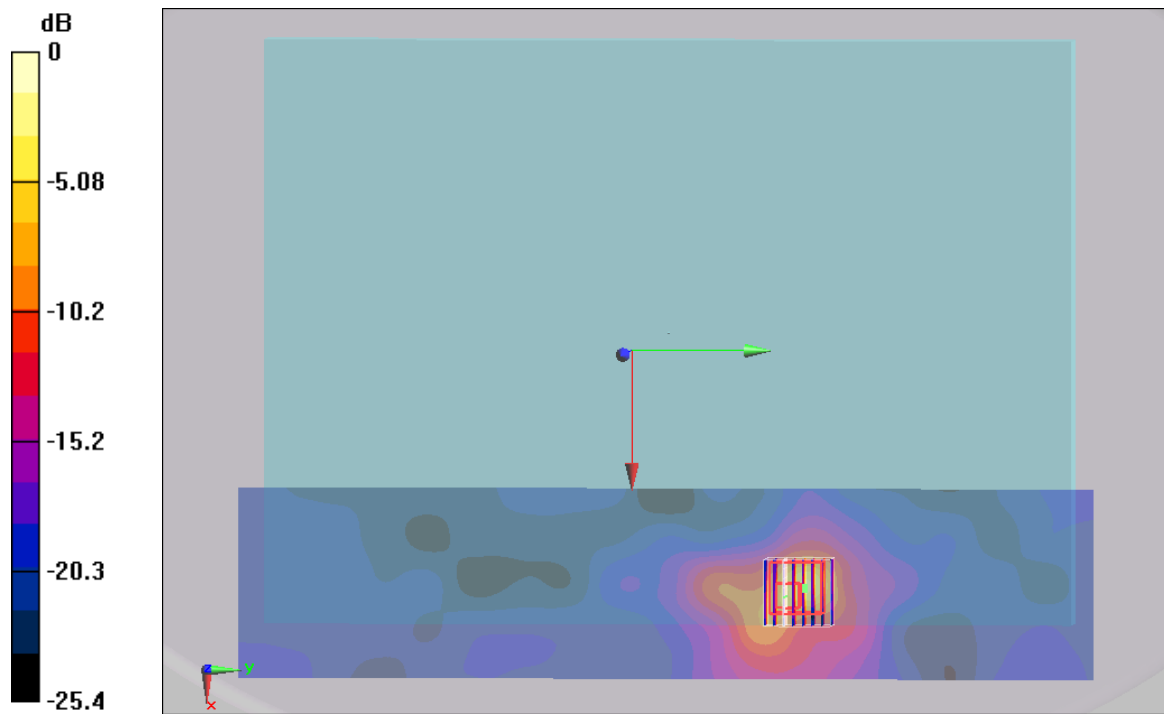
Ch36/Zoom Scan (8x8x10)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 1.63 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 5.46 W/kg

SAR(1 g) = 1.41 mW/g; SAR(10 g) = 0.509 mW/g

Maximum value of SAR (measured) = 2.93 mW/g



0 dB = 2.93mW/g

#13 802.11a_Bottom_0cm_Ch36_Ant 1_2D

DUT: 241954

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

Medium: MSL_5G_120507 Medium parameters used : $f = 5180$ MHz; $\sigma = 5.29$ mho/m; $\epsilon_r = 47.5$; $\rho = 1000$ kg/m³

Ambient Temperature : 22.4 °C; Liquid Temperature : 21.4 °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; Type: QDOVA001BA; Serial: 1029
- Software: DASY5 Version; SEMCAD X Version 13.4 Build 45

Ch36/Area Scan (81x361x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 1.51 mW/g

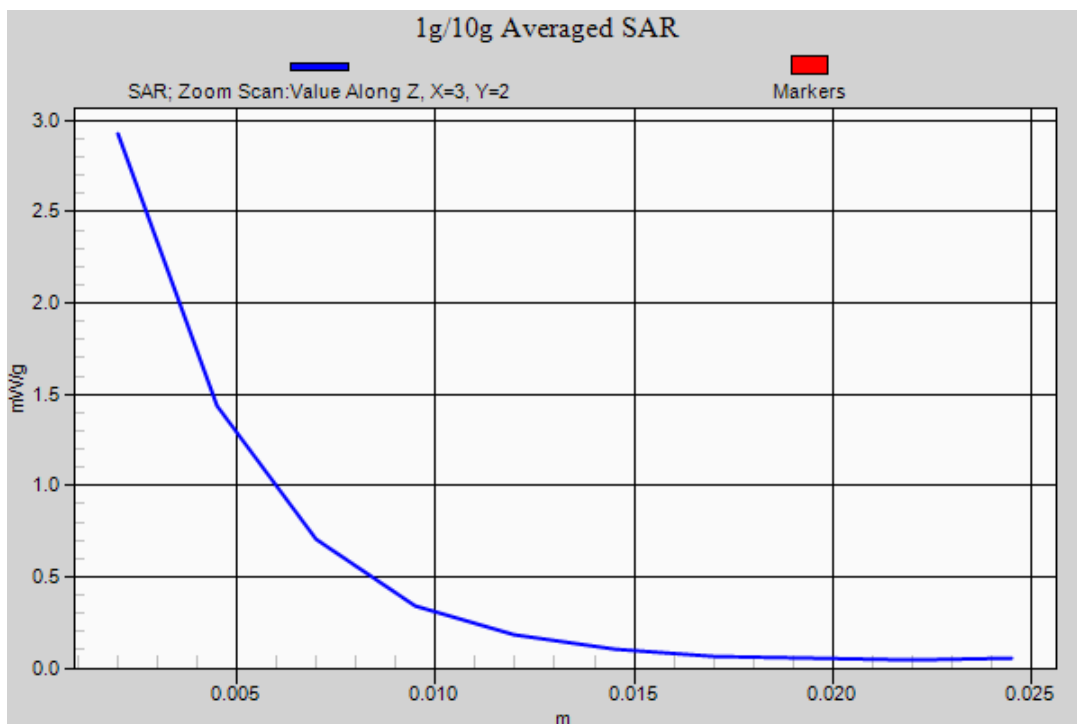
Ch36/Zoom Scan (8x8x10)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 1.63 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 5.46 W/kg

SAR(1 g) = 1.41 mW/g; SAR(10 g) = 0.509 mW/g

Maximum value of SAR (measured) = 2.93 mW/g



#07 802.11a_Bottom_0cm_Ch40_Ant 0+1

DUT: 241954

Communication System: 802.11a; Frequency: 5200 MHz; Duty Cycle: 1:1

Medium: MSL_5G_120425 Medium parameters used: $f = 5200$ MHz; $\sigma = 5.37$ mho/m; $\epsilon_r = 48.5$; $\rho = 1000$ kg/m³

Ambient Temperature : 22.6 °C; Liquid Temperature : 21.6 °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 Sn910; Calibrated: 2011/12/7
- Phantom: ELI 4.0_Front; Type: QDOVA001BB; Serial: 1026
- Software: DASY5 Version; SEMCAD X Version 13.4 Build 45

Ch40/Area Scan (131x361x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.412 mW/g

Ch40/Zoom Scan (8x8x10)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 0 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 3.56 W/kg

SAR(1 g) = 0.459 mW/g; SAR(10 g) = 0.130 mW/g

Maximum value of SAR (measured) = 0.969 mW/g

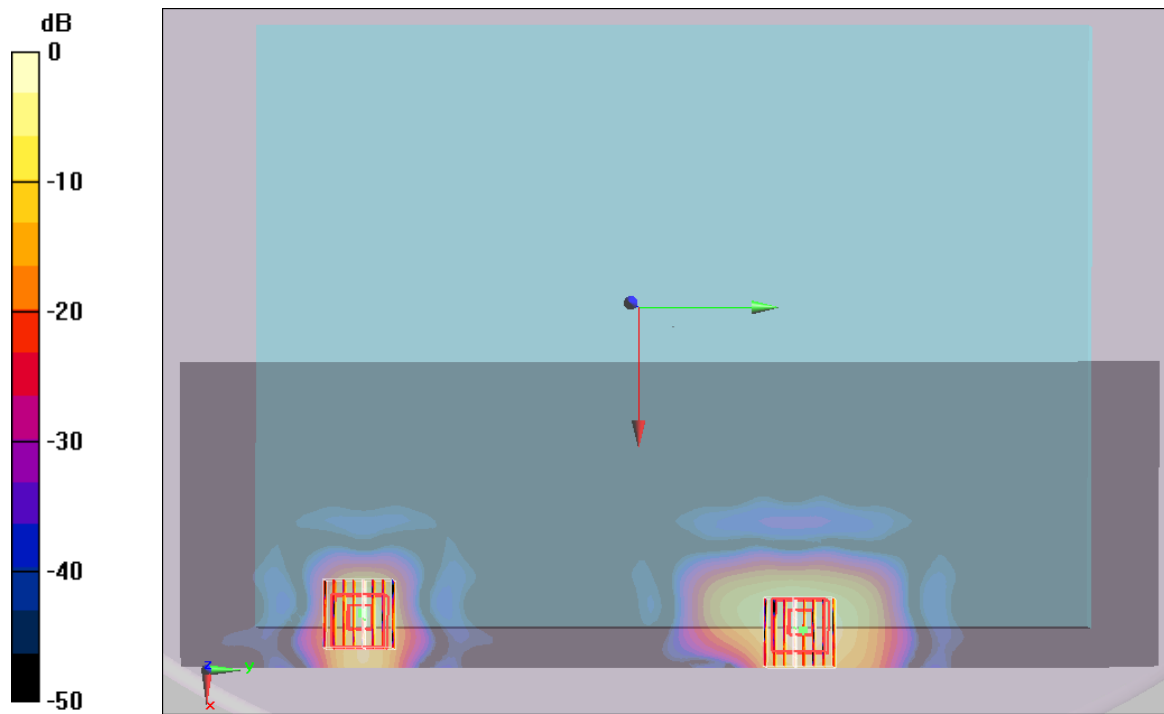
Ch40/Zoom Scan (8x8x10)/Cube 1: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 0 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 1.08 W/kg

SAR(1 g) = 0.295 mW/g; SAR(10 g) = 0.089 mW/g

Maximum value of SAR (measured) = 0.601 mW/g



0 dB = 0.601mW/g

#08 802.11n_40M_Bottom_0cm_Ch46_Ant 0+1

DUT: 241954

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

Medium: MSL_5G_120425 Medium parameters used : $f = 5230$ MHz; $\sigma = 5.41$ mho/m; $\epsilon_r = 48.4$; $\rho = 1000$ kg/m³

Ambient Temperature : 22.6 °C; Liquid Temperature : 21.6 °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 Sn910; Calibrated: 2011/12/7
- Phantom: ELI 4.0_Front; Type: QDOVA001BB; Serial: 1026
- Software: DASY5 Version; SEMCAD X Version 13.4 Build 45

Ch46/Area Scan (131x361x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.653 mW/g

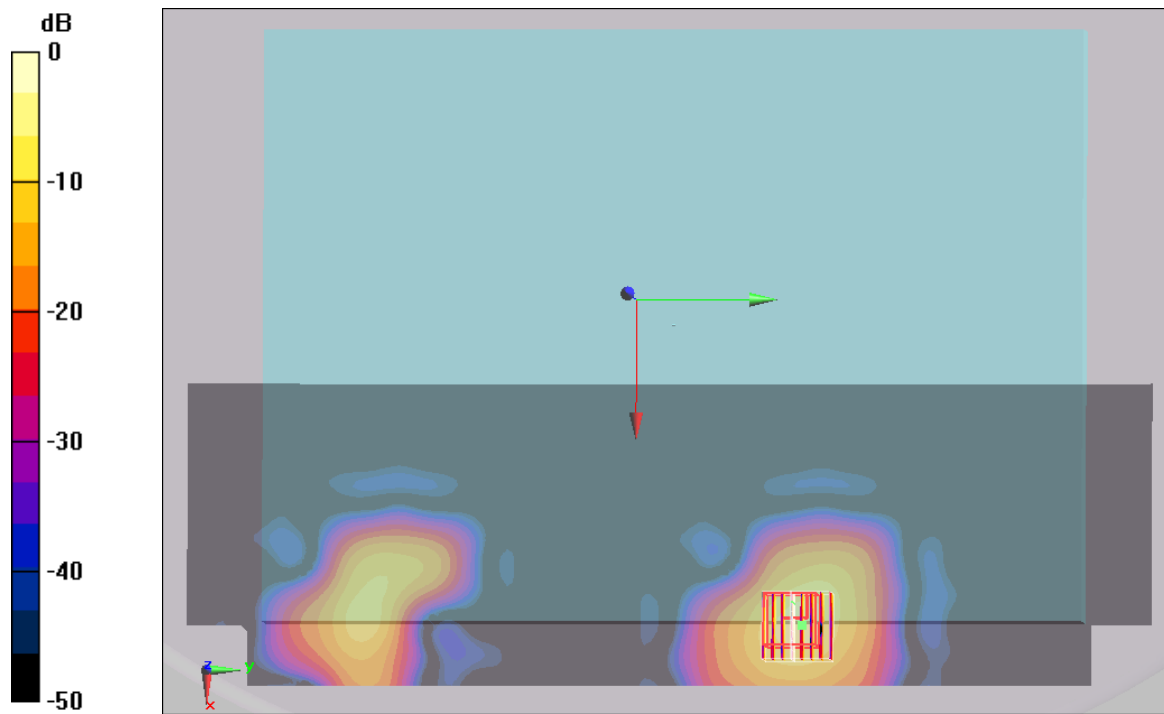
Ch46/Zoom Scan (8x8x10)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 0 V/m; Power Drift = 0.015 dB

Peak SAR (extrapolated) = 3.75 W/kg

SAR(1 g) = 0.936 mW/g; SAR(10 g) = 0.240 mW/g

Maximum value of SAR (measured) = 2 mW/g



0 dB = 2mW/g

#08 802.11n_40M_Bottom_0cm_Ch46_Ant 0+1_2D

DUT: 241954

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

Medium: MSL_5G_120425 Medium parameters used : $f = 5230$ MHz; $\sigma = 5.41$ mho/m; $\epsilon_r = 48.4$; $\rho = 1000$ kg/m³

Ambient Temperature : 22.6 °C ; Liquid Temperature : 21.6 °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 Sn910; Calibrated: 2011/12/7
- Phantom: ELI 4.0 Front; Type: QDOVA001BB; Serial: 1026
- Software: DASY5 Version; SEMCAD X Version 13.4 Build 45

Ch46/Area Scan (131x361x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.653 mW/g

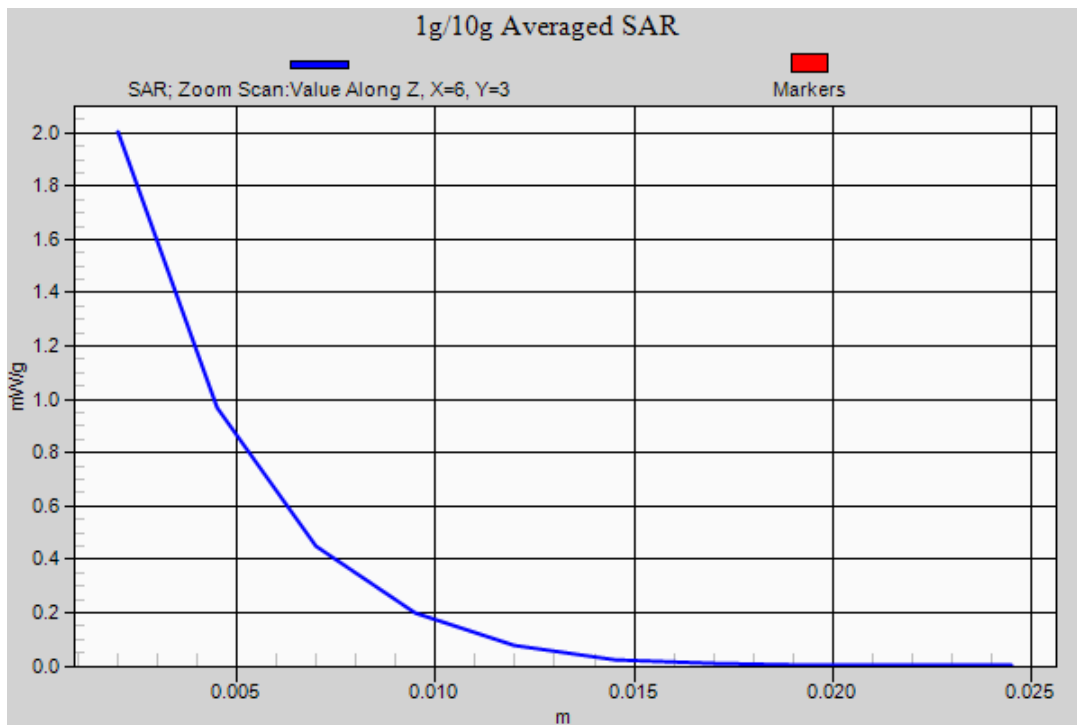
Ch46/Zoom Scan (8x8x10)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 0 V/m; Power Drift = 0.015 dB

Peak SAR (extrapolated) = 3.75 W/kg

SAR(1 g) = 0.936 mW/g; SAR(10 g) = 0.240 mW/g

Maximum value of SAR (measured) = 2 mW/g



#14 802.11n_40M_Bottom_0cm_Ch38_Ant 0+1

DUT: 241954

Communication System: 802.11a; Frequency: 5190 MHz; Duty Cycle: 1:1

Medium: MSL_5G_120507 Medium parameters used: $f = 5190$ MHz; $\sigma = 5.31$ mho/m; $\epsilon_r = 47.5$; $\rho = 1000$ kg/m³

Ambient Temperature : 22.4 °C; Liquid Temperature : 21.4 °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; Type: QDOVA001BA; Serial: 1029
- Software: DASY5 Version; SEMCAD X Version 13.4 Build 45

Ch38/Area Scan (81x361x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.434 mW/g

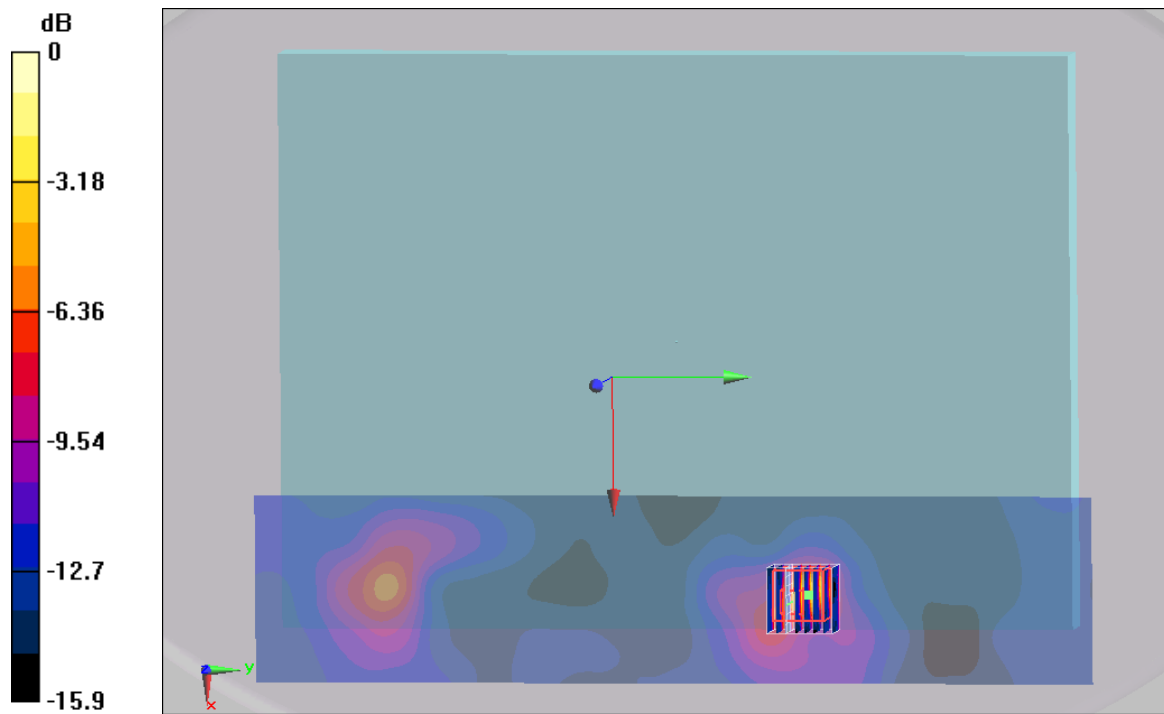
Ch38/Zoom Scan (8x8x10)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 2.63 V/m; Power Drift = -0.077 dB

Peak SAR (extrapolated) = 1.68 W/kg

SAR(1 g) = 0.457 mW/g; SAR(10 g) = 0.180 mW/g

Maximum value of SAR (measured) = 0.902 mW/g



0 dB = 0.902mW/g

#09 802.11a_Bottom_0cm_Ch52_Ant 1

DUT: 241954

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

Medium: MSL_5G_120507 Medium parameters used : $f = 5260$ MHz; $\sigma = 5.38$ mho/m; $\epsilon_r = 47.3$; $\rho = 1000$ kg/m³

Ambient Temperature : 22.4 °C; Liquid Temperature : 21.4 °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; Type: QDOVA001BA; Serial: 1029
- Software: DASY5 Version; SEMCAD X Version 13.4 Build 45

Ch52/Area Scan (281x361x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 1.58 mW/g

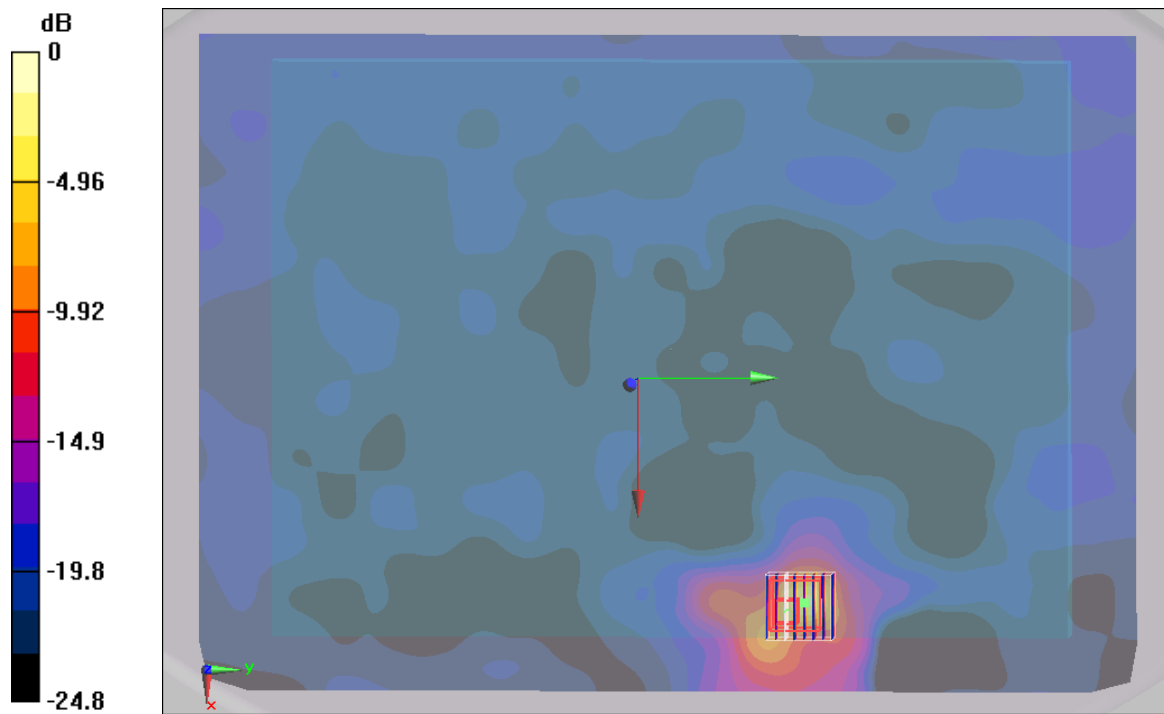
Ch52/Zoom Scan (8x8x10)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 1.66 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 5.79 W/kg

SAR(1 g) = 1.47 mW/g; SAR(10 g) = 0.513 mW/g

Maximum value of SAR (measured) = 3.06 mW/g



0 dB = 3.06mW/g

#09 802.11a_Bottom_0cm_Ch52_Ant 1_2D

DUT: 241954

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

Medium: MSL_5G_120507 Medium parameters used : $f = 5260$ MHz; $\sigma = 5.38$ mho/m; $\epsilon_r = 47.3$; $\rho = 1000$ kg/m³

Ambient Temperature : 22.4 °C; Liquid Temperature : 21.4 °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; Type: QDOVA001BA; Serial: 1029
- Software: DASY5 Version; SEMCAD X Version 13.4 Build 45

Ch52/Area Scan (281x361x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 1.58 mW/g

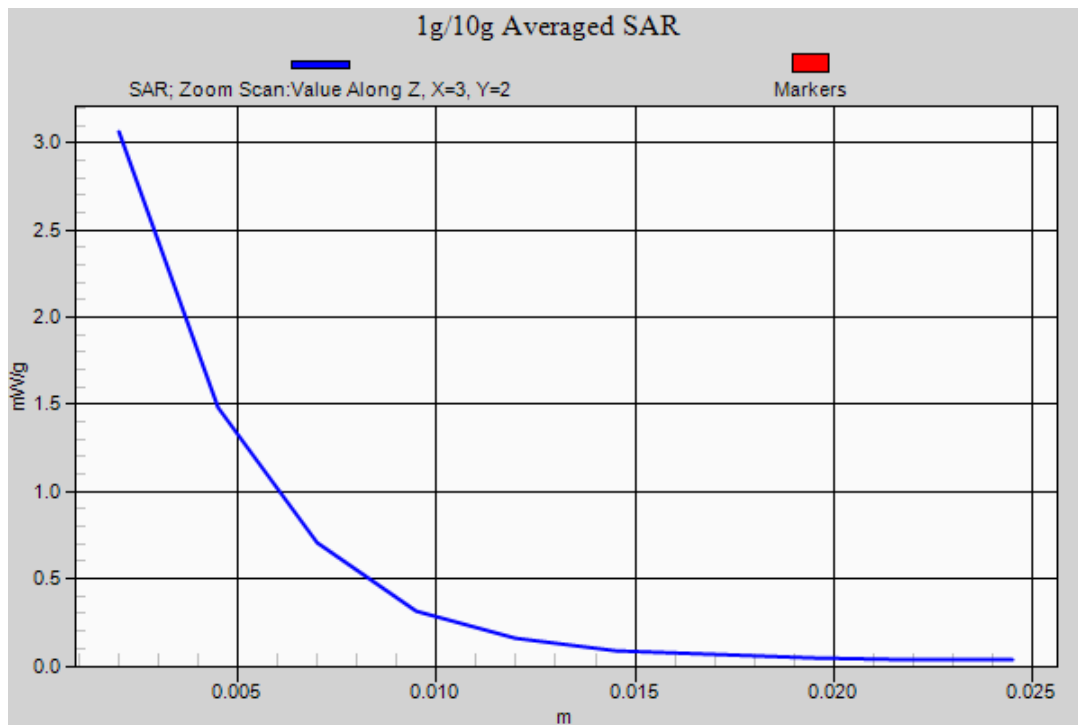
Ch52/Zoom Scan (8x8x10)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 1.66 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 5.79 W/kg

SAR(1 g) = 1.47 mW/g; SAR(10 g) = 0.513 mW/g

Maximum value of SAR (measured) = 3.06 mW/g



#10 802.11a_Bottom_0cm_Ch64_Ant 1

DUT: 241954

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

Medium: MSL_5G_120507 Medium parameters used : $f = 5320$ MHz; $\sigma = 5.48$ mho/m; $\epsilon_r = 47.2$; $\rho = 1000$ kg/m³

Ambient Temperature : 22.4 °C; Liquid Temperature : 21.4 °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; Type: QDOVA001BA; Serial: 1029
- Software: DASY5 Version; SEMCAD X Version 13.4 Build 45

Ch64/Area Scan (81x361x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 1.19 mW/g

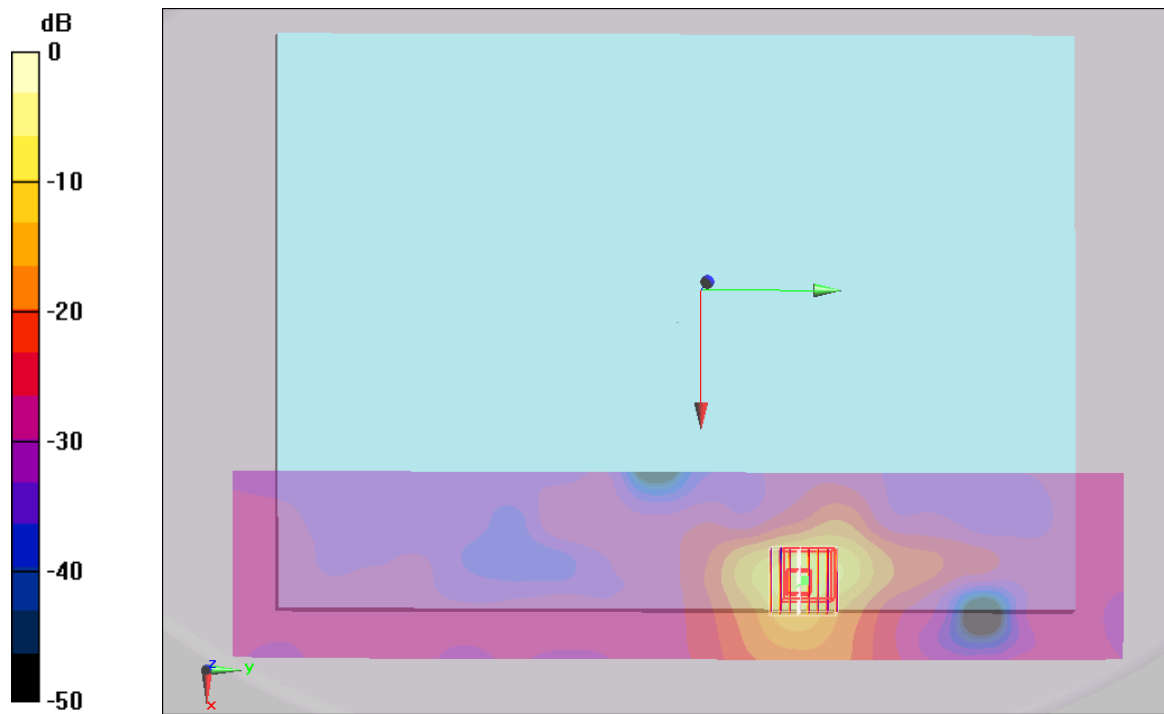
Ch64/Zoom Scan (8x8x10)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 1.77 V/m; Power Drift = 0.009 dB

Peak SAR (extrapolated) = 4.52 W/kg

SAR(1 g) = 1.28 mW/g; SAR(10 g) = 0.389 mW/g

Maximum value of SAR (measured) = 2.95 mW/g



0 dB = 2.95mW/g

#11 802.11a_Bottom_0cm_Ch60_Ant 0+1

DUT: 241954

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

Medium: MSL_5G_120507 Medium parameters used: $f = 5300$ MHz; $\sigma = 5.47$ mho/m; $\epsilon_r = 47.3$; $\rho = 1000$ kg/m³

Ambient Temperature : 22.4 °C; Liquid Temperature : 21.4 °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; Type: QDOVA001BA; Serial: 1029
- Software: DASY5 Version; SEMCAD X Version 13.4 Build 45

Ch60/Area Scan (281x361x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 1.27 mW/g

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

Reference Value = 1.59 V/m; Power Drift = 0.033 dB

Peak SAR (extrapolated) = 4.1 W/kg

SAR(1 g) = 1.14 mW/g; SAR(10 g) = 0.338 mW/g

Maximum value of SAR (measured) = 2.59 mW/g

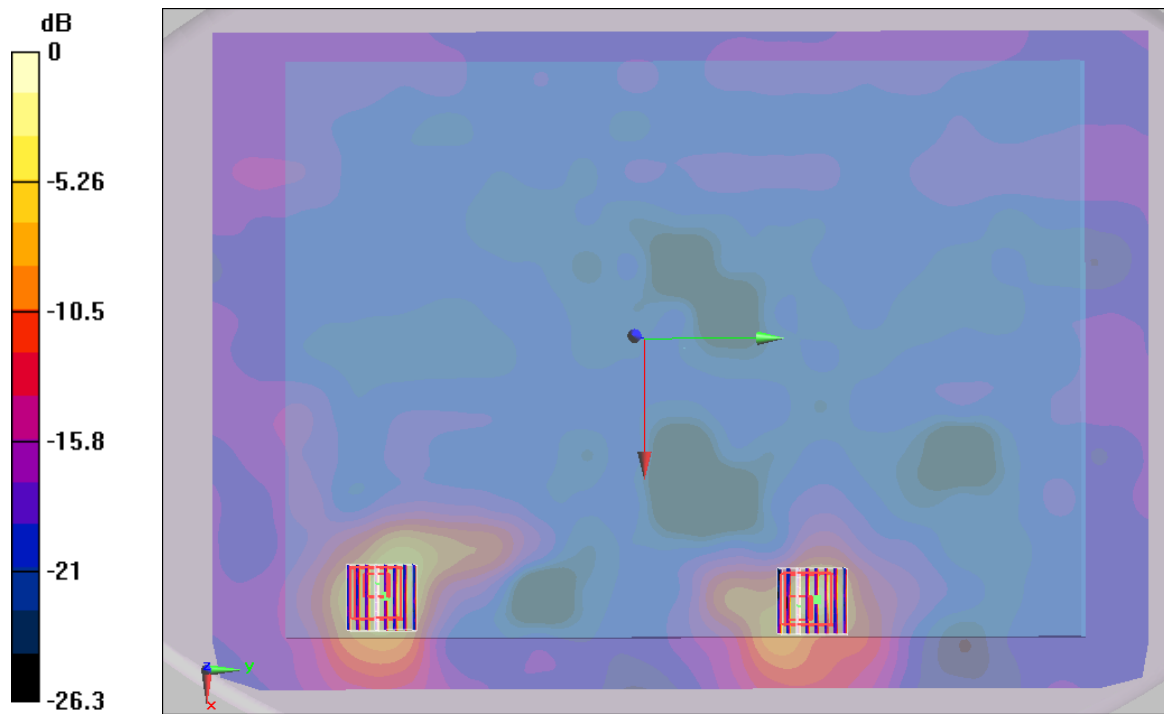
Ch60/Zoom Scan (8x8x10)/Cube 1: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 1.59 V/m; Power Drift = 0.033 dB

Peak SAR (extrapolated) = 4.36 W/kg

SAR(1 g) = 1.11 mW/g; SAR(10 g) = 0.395 mW/g

Maximum value of SAR (measured) = 2.24 mW/g



0 dB = 2.24mW/g

#12 802.11a_Bottom_0cm_Ch52_Ant 0+1

DUT: 241954

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

Medium: MSL_5G_120507 Medium parameters used : $f = 5260$ MHz; $\sigma = 5.38$ mho/m; $\epsilon_r = 47.3$; $\rho = 1000$ kg/m³

Ambient Temperature : 22.4 °C; Liquid Temperature : 21.4 °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; Type: QDOVA001BA; Serial: 1029
- Software: DASY5 Version; SEMCAD X Version 13.4 Build 45

Ch52/Area Scan (801x361x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 1.29 mW/g

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

Reference Value = 1.84 V/m; Power Drift = -0.062 dB

Peak SAR (extrapolated) = 5.42 W/kg

SAR(1 g) = 1.37 mW/g; SAR(10 g) = 0.465 mW/g

Maximum value of SAR (measured) = 2.84 mW/g

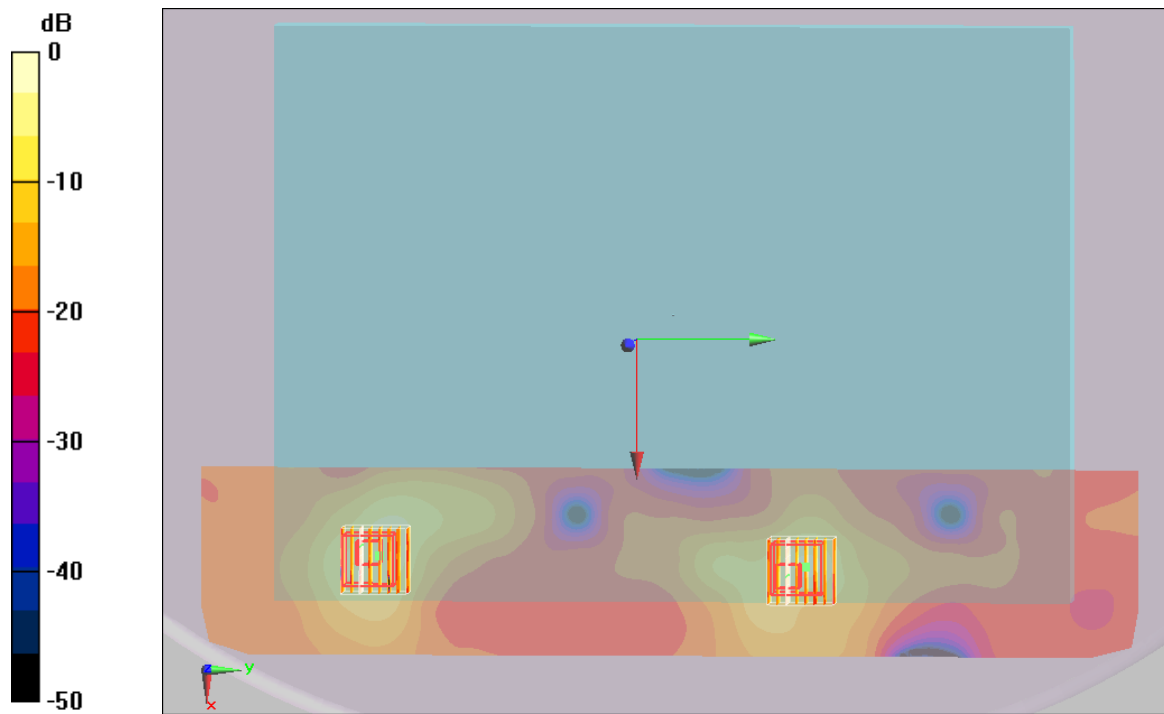
Ch52/Zoom Scan (8x8x10)/Cube 1: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 1.84 V/m; Power Drift = -0.062 dB

Peak SAR (extrapolated) = 3.36 W/kg

SAR(1 g) = 0.988 mW/g; SAR(10 g) = 0.324 mW/g

Maximum value of SAR (measured) = 2.08 mW/g



0 dB = 2.08mW/g

#12 802.11a_Bottom_0cm_Ch52_Ant 0+1_2D

DUT: 241954

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

Medium: MSL_5G_120507 Medium parameters used : $f = 5260$ MHz; $\sigma = 5.38$ mho/m; $\epsilon_r = 47.3$; $\rho = 1000$ kg/m³

Ambient Temperature : 22.4 °C; Liquid Temperature : 21.4 °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; Type: QDOVA001BA; Serial: 1029
- Software: DASY5 Version; SEMCAD X Version 13.4 Build 45

Ch52/Area Scan (81x361x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 1.29 mW/g

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

Reference Value = 1.84 V/m; Power Drift = -0.062 dB

Peak SAR (extrapolated) = 5.42 W/kg

SAR(1 g) = 1.37 mW/g; SAR(10 g) = 0.465 mW/g

Maximum value of SAR (measured) = 2.84 mW/g

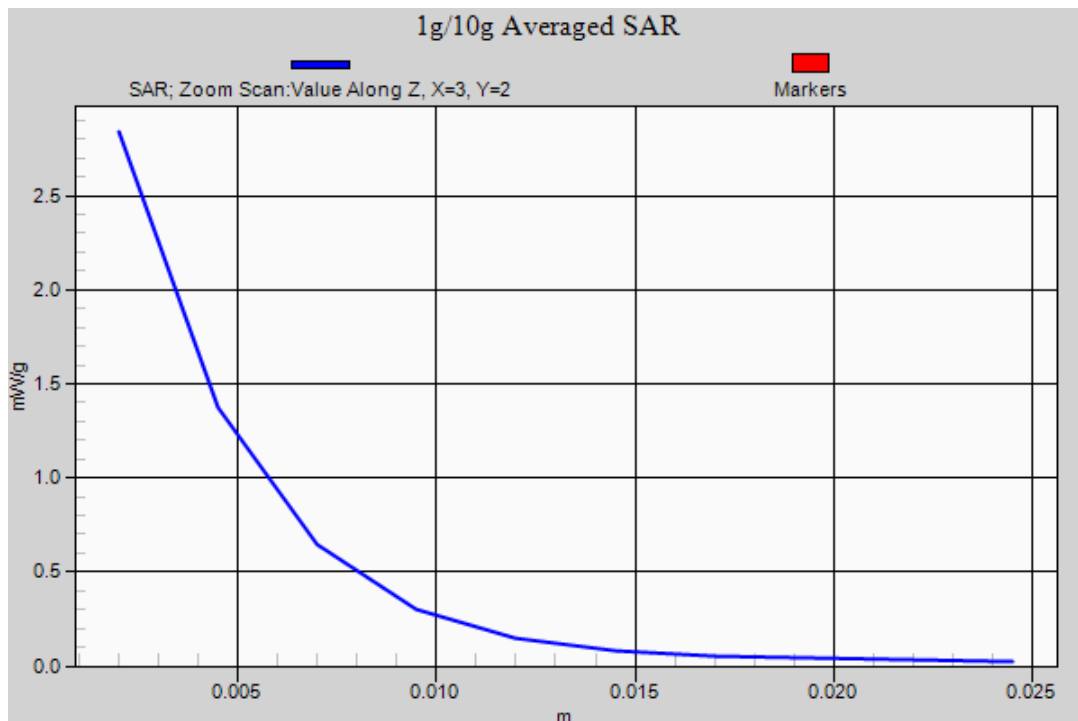
Ch52/Zoom Scan (8x8x10)/Cube 1: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 1.84 V/m; Power Drift = -0.062 dB

Peak SAR (extrapolated) = 3.36 W/kg

SAR(1 g) = 0.988 mW/g; SAR(10 g) = 0.324 mW/g

Maximum value of SAR (measured) = 2.08 mW/g



#15 802.11a_Bottom_0cm_Ch116_Ant 1

DUT: 241954

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

Medium: MSL_5G_120507 Medium parameters used: $f = 5580$ MHz; $\sigma = 5.84$ 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(3.53, 3.53, 3.53); 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
- Software: DASY5 Version; SEMCAD X Version 13.4 Build 45

Ch116/Area Scan (81x361x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 2.16 mW/g

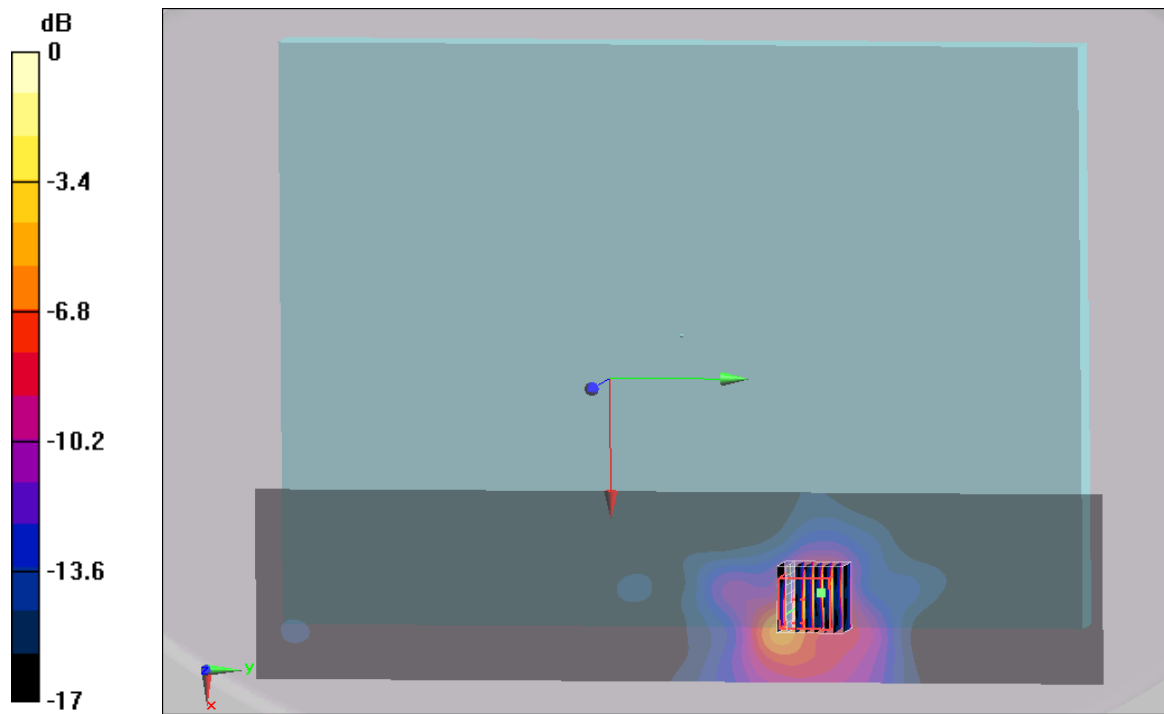
Ch116/Zoom Scan (8x8x10)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 3.45 V/m; Power Drift = -0.121 dB

Peak SAR (extrapolated) = 5.92 W/kg

SAR(1 g) = 1.43 mW/g; SAR(10 g) = 0.478 mW/g

Maximum value of SAR (measured) = 2.88 mW/g



0 dB = 2.88mW/g

#16 802.11a_Bottom_0cm_Ch104_Ant 1

DUT: 241954

Communication System: 802.11a; Frequency: 5520 MHz; Duty Cycle: 1:1

Medium: MSL_5G_120507 Medium parameters used: $f = 5520$ MHz; $\sigma = 5.76$ 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(3.76, 3.76, 3.76); 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
- Software: DASY5 Version; SEMCAD X Version 13.4 Build 45

Ch104/Area Scan (81x361x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 1.73 mW/g

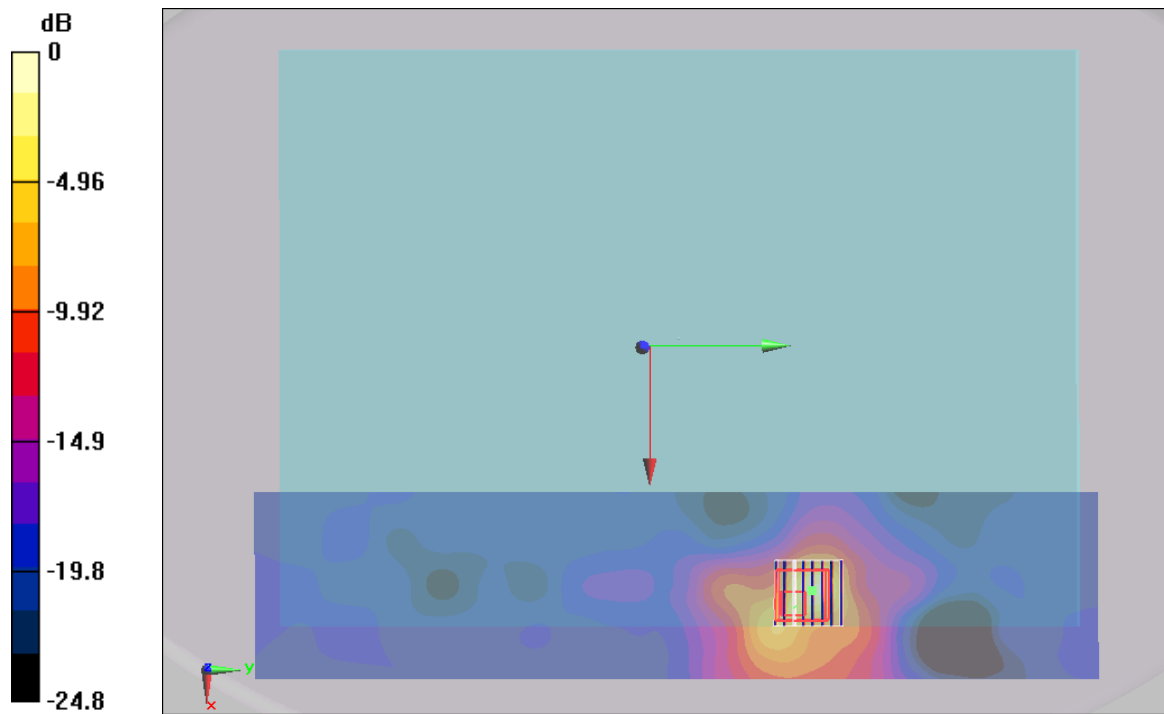
Ch104/Zoom Scan (8x8x10)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 1.9 V/m; Power Drift = -0.137 dB

Peak SAR (extrapolated) = 4.55 W/kg

SAR(1 g) = 1.12 mW/g; SAR(10 g) = 0.365 mW/g

Maximum value of SAR (measured) = 2.29 mW/g



0 dB = 2.29mW/g

#17 802.11a_Bottom_0cm_Ch136_Ant 1

DUT: 241954

Communication System: 802.11a; Frequency: 5680 MHz; Duty Cycle: 1:1

Medium: MSL_5G_120507 Medium parameters used: $f = 5680$ MHz; $\sigma = 6.01$ mho/m; $\epsilon_r = 46.6$; $\rho = 1000$ 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 Sn778; Calibrated: 2011/11/22
- Phantom: ELI 4.0; Type: QDOVA001BA; Serial: 1029
- Software: DASY5 Version; SEMCAD X Version 13.4 Build 45

Ch136/Area Scan (81x361x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 2.39 mW/g

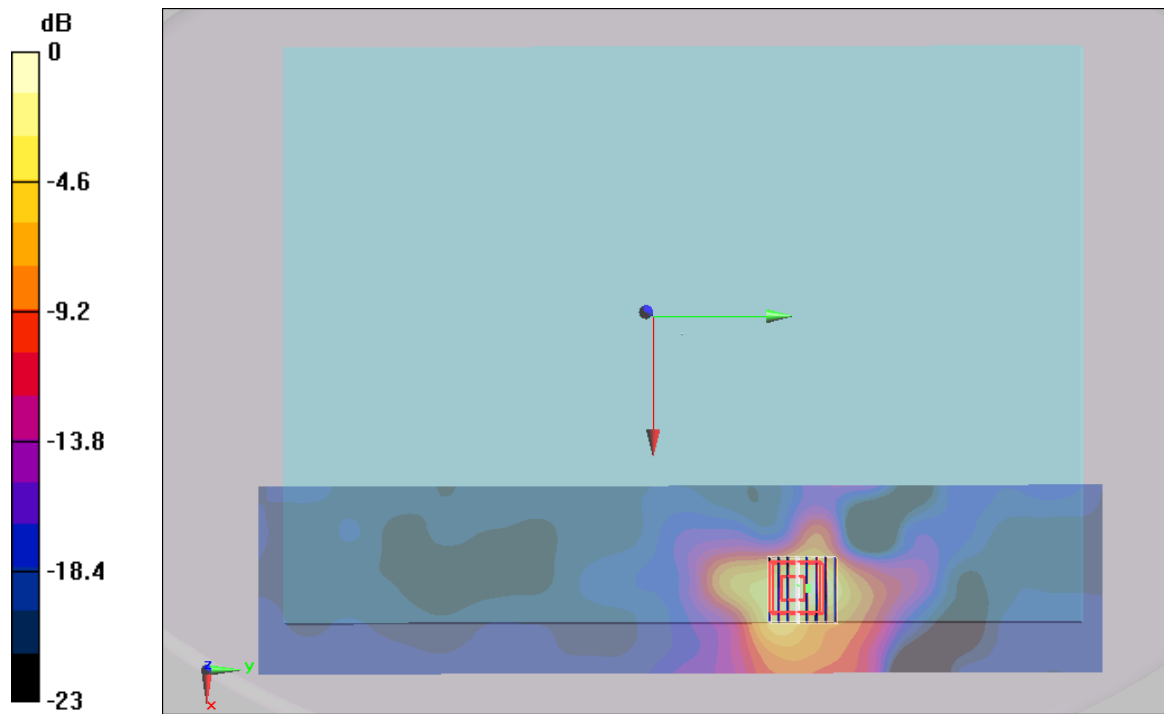
Ch136/Zoom Scan (8x8x10)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 1.97 V/m; Power Drift = 0.094 dB

Peak SAR (extrapolated) = 6.18 W/kg

SAR(1 g) = 1.47 mW/g; SAR(10 g) = 0.456 mW/g

Maximum value of SAR (measured) = 3.03 mW/g



#17 802.11a_Bottom_0cm_Ch136_Ant 1_2D

DUT: 241954

Communication System: 802.11a; Frequency: 5680 MHz; Duty Cycle: 1:1

Medium: MSL_5G_120507 Medium parameters used: $f = 5680$ MHz; $\sigma = 6.01$ mho/m; $\epsilon_r = 46.6$; $\rho = 1000$ 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 Sn778; Calibrated: 2011/11/22
- Phantom: ELI 4.0; Type: QDOVA001BA; Serial: 1029
- Software: DASY5 Version; SEMCAD X Version 13.4 Build 45

Ch136/Area Scan (81x361x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 2.39 mW/g

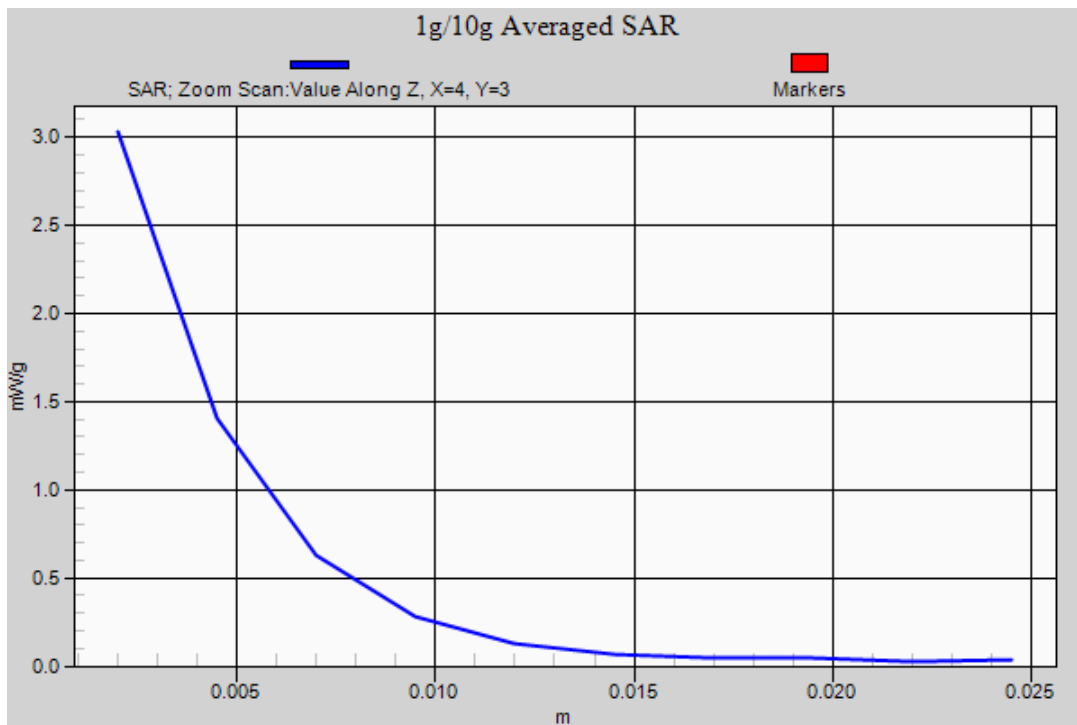
Ch136/Zoom Scan (8x8x10)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 1.97 V/m; Power Drift = 0.094 dB

Peak SAR (extrapolated) = 6.18 W/kg

SAR(1 g) = 1.47 mW/g; SAR(10 g) = 0.456 mW/g

Maximum value of SAR (measured) = 3.03 mW/g



#18 802.11a_Bottom_0cm_Ch116_Ant 0+1

DUT: 241954

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

Medium: MSL_5G_120507 Medium parameters used: $f = 5580$ MHz; $\sigma = 5.84$ 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(3.53, 3.53, 3.53); 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
- Software: DASY5 Version; SEMCAD X Version 13.4 Build 45

Ch116/Area Scan (81x361x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 1.98 mW/g

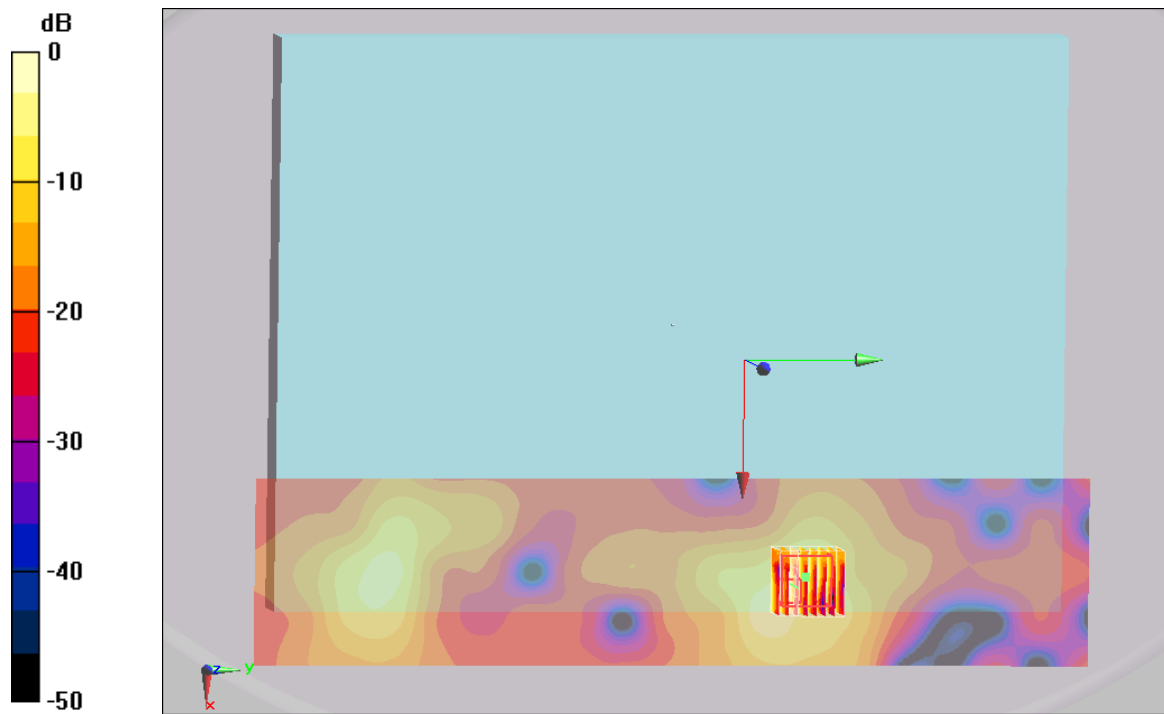
Ch116/Zoom Scan (8x8x10)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 1.55 V/m; Power Drift = 0.131 dB

Peak SAR (extrapolated) = 5.62 W/kg

SAR(1 g) = 1.33 mW/g; SAR(10 g) = 0.413 mW/g

Maximum value of SAR (measured) = 2.72 mW/g



0 dB = 2.72mW/g

#19 802.11a_Bottom_0cm_Ch104_Ant 0+1

DUT: 241954

Communication System: 802.11a; Frequency: 5520 MHz; Duty Cycle: 1:1

Medium: MSL_5G_120510 Medium parameters used : $f = 5520$ MHz; $\sigma = 5.517$ mho/m; $\epsilon_r = 46.943$;

$\rho = 1000$ kg/m³

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3792; ConvF(3.76, 3.76, 3.76); Calibrated: 2011/6/20;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn910; Calibrated: 2011/12/7
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP1127
- Measurement SW: DASY52, Version 52.8 (1); SEMCAD X Version 14.6.5 (6469)

Ch104/Area Scan (81x321x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 1.27 mW/g

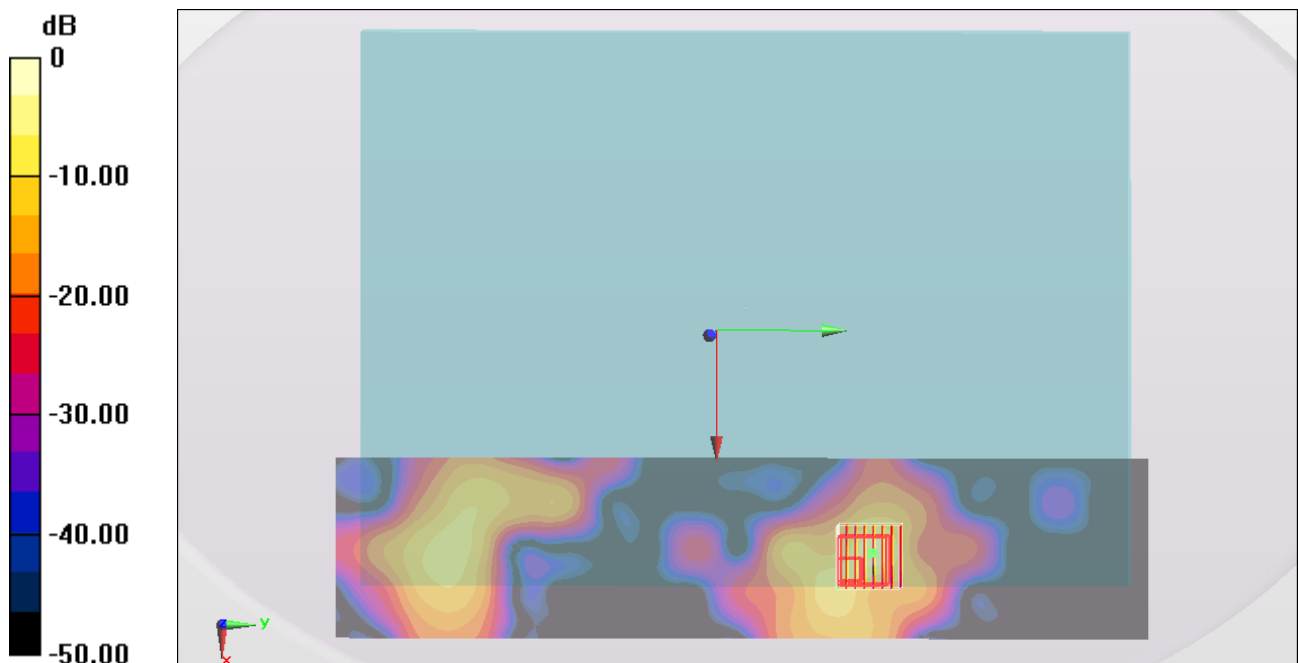
Ch104/Zoom Scan (8x8x10)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 0.210 V/m; Power Drift = 0.149 dB

Peak SAR (extrapolated) = 5.281 mW/g

SAR(1 g) = 1.32 mW/g; SAR(10 g) = 0.402 mW/g

Maximum value of SAR (measured) = 2.81 mW/g



0 dB = 2.81 mW/g = 8.97 dB mW/g

#20 802.11a_Bottom_0cm_Ch136_Ant 0+1

DUT: 241954

Communication System: 802.11a; Frequency: 5680 MHz; Duty Cycle: 1:1

Medium: MSL_5G_120507 Medium parameters used: $f = 5680$ MHz; $\sigma = 6.01$ mho/m; $\epsilon_r = 46.6$; $\rho = 1000$ kg/m³

Ambient Temperature : 22.4 °C; Liquid Temperature : 21.4 °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; Type: QDOVA001BA; Serial: 1029
- Software: DASY5 Version; SEMCAD X Version 13.4 Build 45

Ch136/Area Scan (81x361x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 3 mW/g

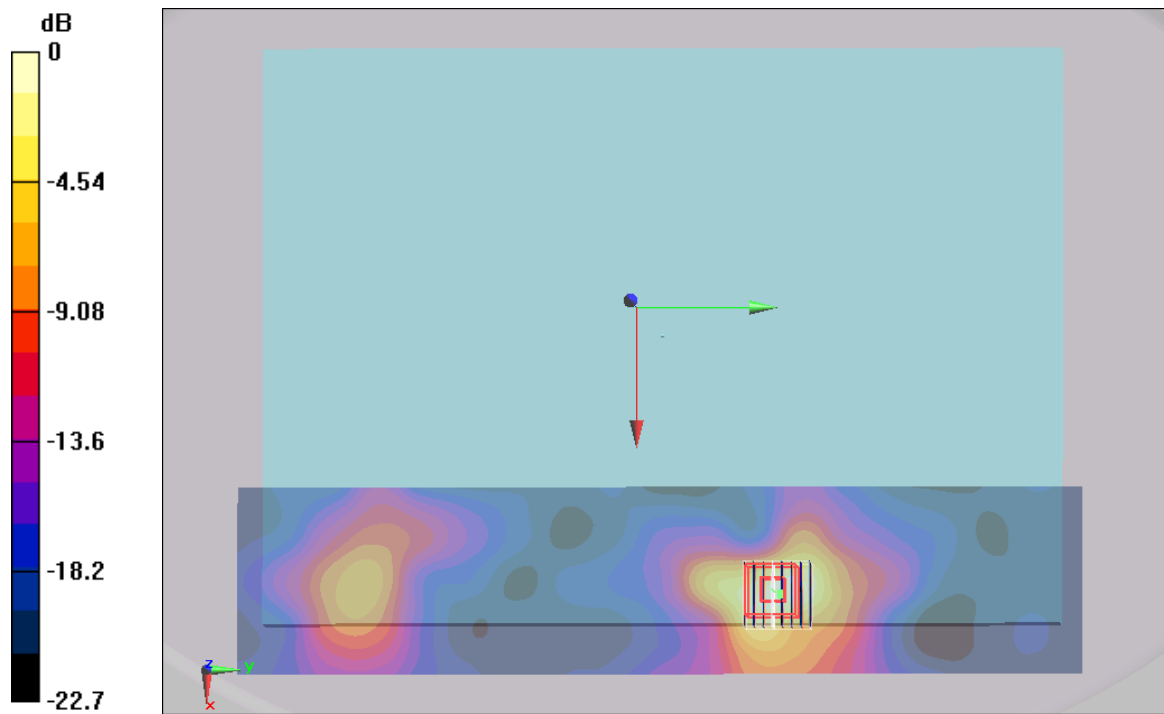
Ch136/Zoom Scan (8x8x10)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 2.3 V/m; Power Drift = -0.085 dB

Peak SAR (extrapolated) = 6.26 W/kg

SAR(1 g) = 1.49 mW/g; SAR(10 g) = 0.465 mW/g

Maximum value of SAR (measured) = 3.24 mW/g



0 dB = 3.24mW/g

#20 802.11a_Bottom_0cm_Ch136_Ant 0+1_2D

DUT: 241954

Communication System: 802.11a; Frequency: 5680 MHz; Duty Cycle: 1:1

Medium: MSL_5G_120507 Medium parameters used: $f = 5680$ MHz; $\sigma = 6.01$ mho/m; $\epsilon_r = 46.6$; $\rho = 1000$ kg/m³

Ambient Temperature : 22.4 °C; Liquid Temperature : 21.4 °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; Type: QDOVA001BA; Serial: 1029
- Software: DASY5 Version; SEMCAD X Version 13.4 Build 45

Ch136/Area Scan (81x361x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 3 mW/g

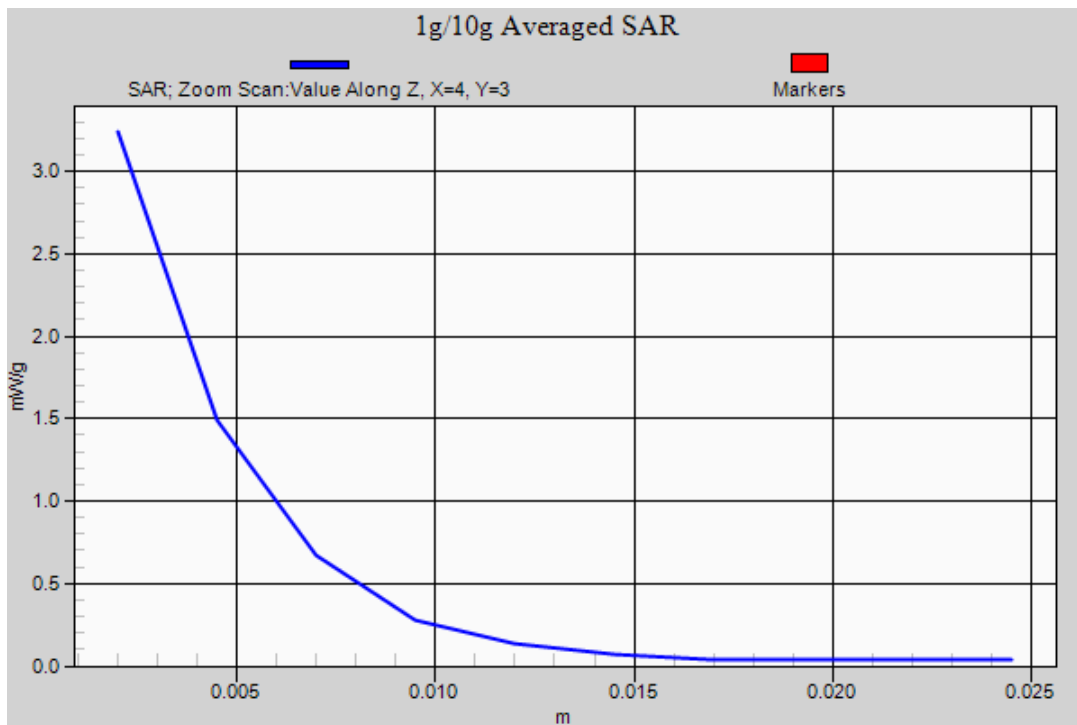
Ch136/Zoom Scan (8x8x10)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 2.3 V/m; Power Drift = -0.085 dB

Peak SAR (extrapolated) = 6.26 W/kg

SAR(1 g) = 1.49 mW/g; SAR(10 g) = 0.465 mW/g

Maximum value of SAR (measured) = 3.24 mW/g



#33 802.11n_40M_Bottom_0cm_Ch118_Ant 0+1

DUT: 241954

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

Medium: MSL_5G_120510 Medium parameters used : $f = 5590$ MHz; $\sigma = 5.61$ mho/m; $\epsilon_r = 46.78$; $\rho = 1000$ kg/m³

Ambient Temperature : 22.5 °C ; Liquid Temperature : 21.5 °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 Sn910; Calibrated: 2011/12/7
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP1127
- Measurement SW: DASY52, Version 52.8 (1); SEMCAD X Version 14.6.5 (6469)

Ch118/Area Scan (81x361x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 1.23 mW/g

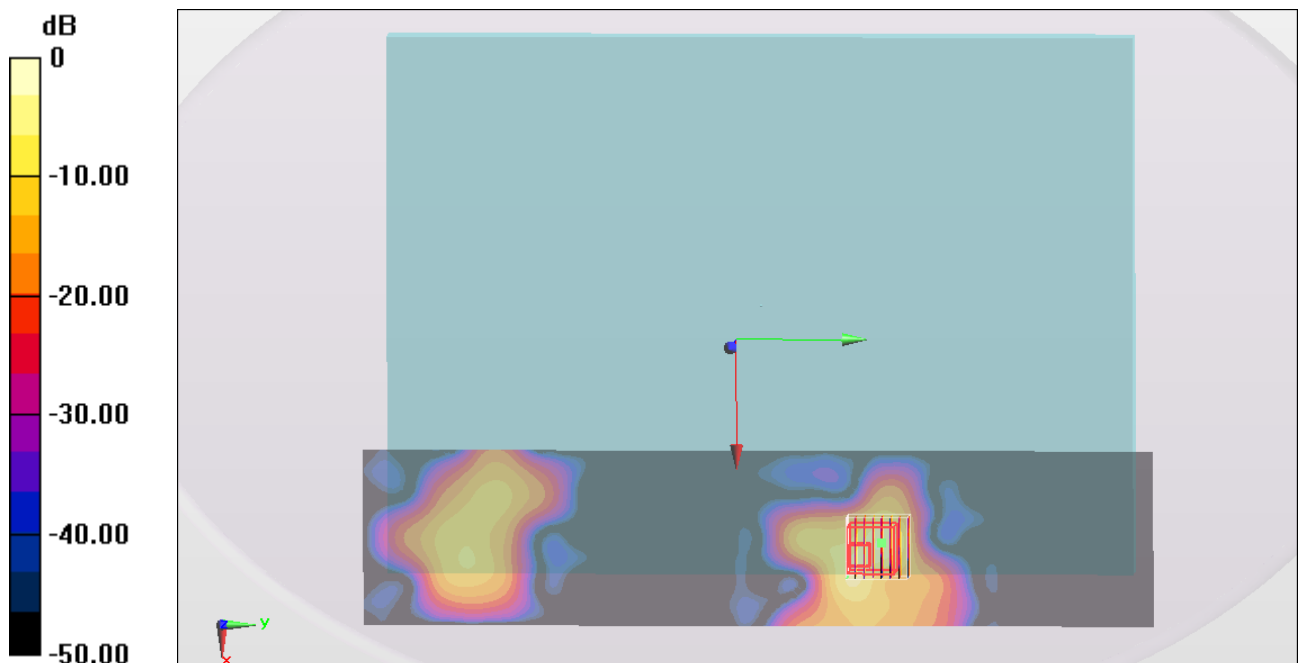
Ch118/Zoom Scan (8x8x10)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 0 V/m; Power Drift = 0.12 dB

Peak SAR (extrapolated) = 4.617 mW/g

SAR(1 g) = 1.13 mW/g; SAR(10 g) = 0.323 mW/g

Maximum value of SAR (measured) = 2.36 mW/g



0 dB = 2.36 mW/g = 7.46 dB mW/g

#34 802.11n_40M_Bottom_0cm_Ch102_Ant 0+1

DUT: 241954

Communication System: 802.11n; Frequency: 5510 MHz; Duty Cycle: 1:1

Medium: MSL_5G_120510 Medium parameters used : $f = 5510$ MHz; $\sigma = 5.502$ mho/m; $\epsilon_r = 46.955$;

$\rho = 1000$ kg/m³

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3792; ConvF(3.76, 3.76, 3.76); Calibrated: 2011/6/20;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn910; Calibrated: 2011/12/7
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP1127
- Measurement SW: DASY52, Version 52.8 (1); SEMCAD X Version 14.6.5 (6469)

Ch102/Area Scan (81x361x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.284 mW/g

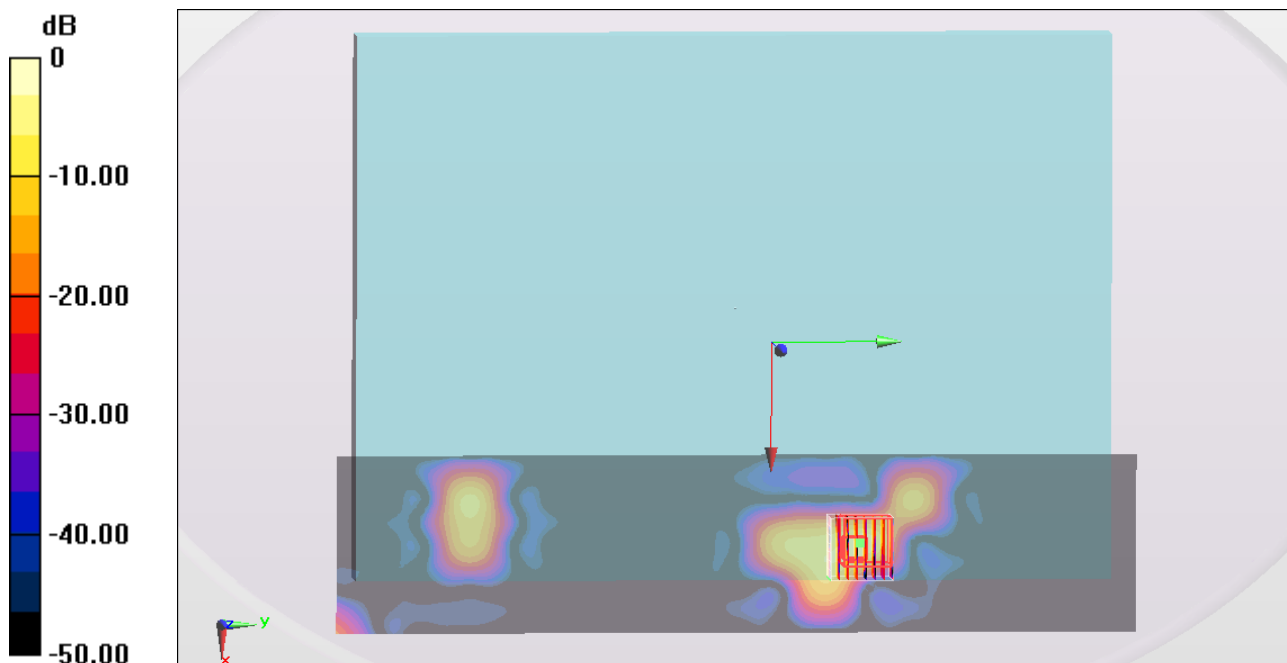
Ch102/Zoom Scan (8x8x10)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 1.685 V/m; Power Drift = -0.153 dB

Peak SAR (extrapolated) = 1.032 mW/g

SAR(1 g) = 0.266 mW/g; SAR(10 g) = 0.074 mW/g

Maximum value of SAR (measured) = 0.636 mW/g



0 dB = 0.636 mW/g = -3.93 dB mW/g

#35 802.11n_40M_Bottom_0cm_Ch134_Ant 0+1

DUT: 241954

Communication System: 802.11n; Frequency: 5670 MHz; Duty Cycle: 1:1

Medium: MSL_5G_120510 Medium parameters used : $f = 5670$ MHz; $\sigma = 5.744$ mho/m; $\epsilon_r = 46.668$;

$\rho = 1000$ kg/m³

Ambient Temperature : 22.5 °C ; Liquid Temperature : 21.5 °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 Sn910; Calibrated: 2011/12/7
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP1127
- Measurement SW: DASY52, Version 52.8 (1); SEMCAD X Version 14.6.5 (6469)

Ch134/Area Scan (81x361x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.510 mW/g

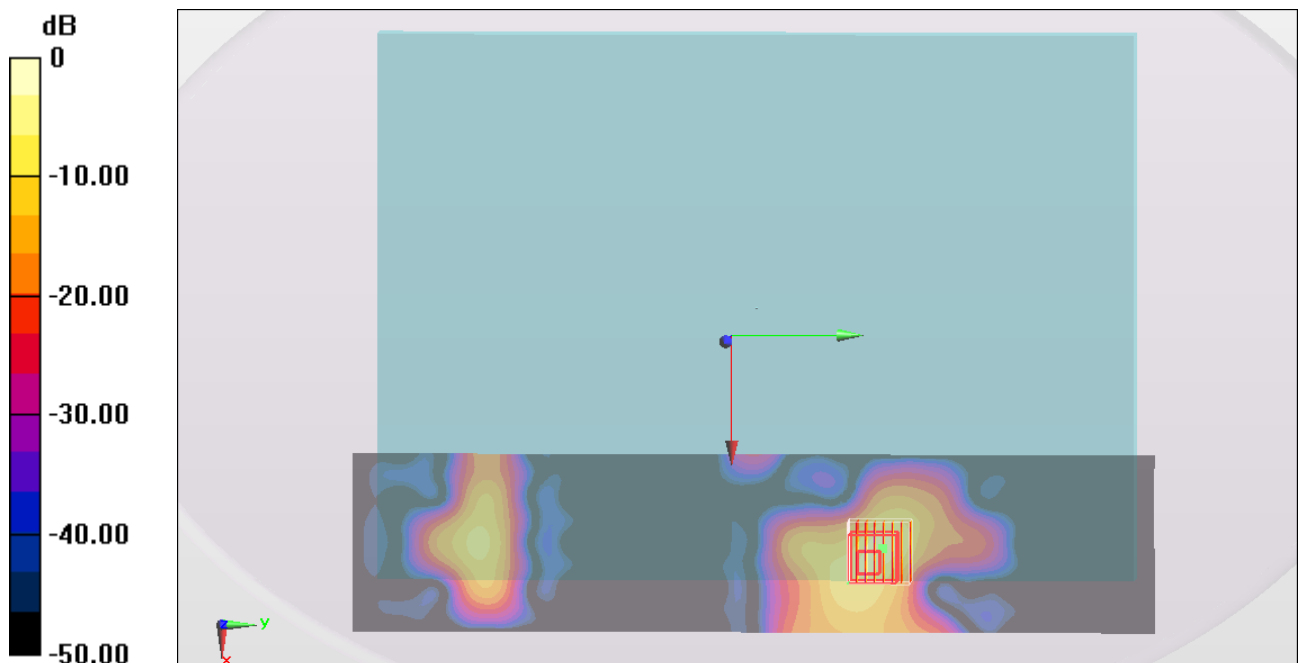
Ch134/Zoom Scan (8x8x10)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 0 V/m; Power Drift = 0.12 dB

Peak SAR (extrapolated) = 2.564 mW/g

SAR(1 g) = 0.624 mW/g; SAR(10 g) = 0.181 mW/g

Maximum value of SAR (measured) = 1.30 mW/g



0 dB = 1.30 mW/g = 2.28 dB mW/g

#21 802.11n_Bottom_0cm_Ch165_Ant 1

DUT: 241954

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

Medium: MSL_5G_120507 Medium parameters used: $f = 5825$ MHz; $\sigma = 6.3$ mho/m; $\epsilon_r = 46.4$; $\rho = 1000$ kg/m³

Ambient Temperature : 22.4 °C; Liquid Temperature : 21.4 °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; Type: QDOVA001BA; Serial: 1029
- Software: DASY5 Version; SEMCAD X Version 13.4 Build 45

Ch165/Area Scan (81x361x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 1.95 mW/g

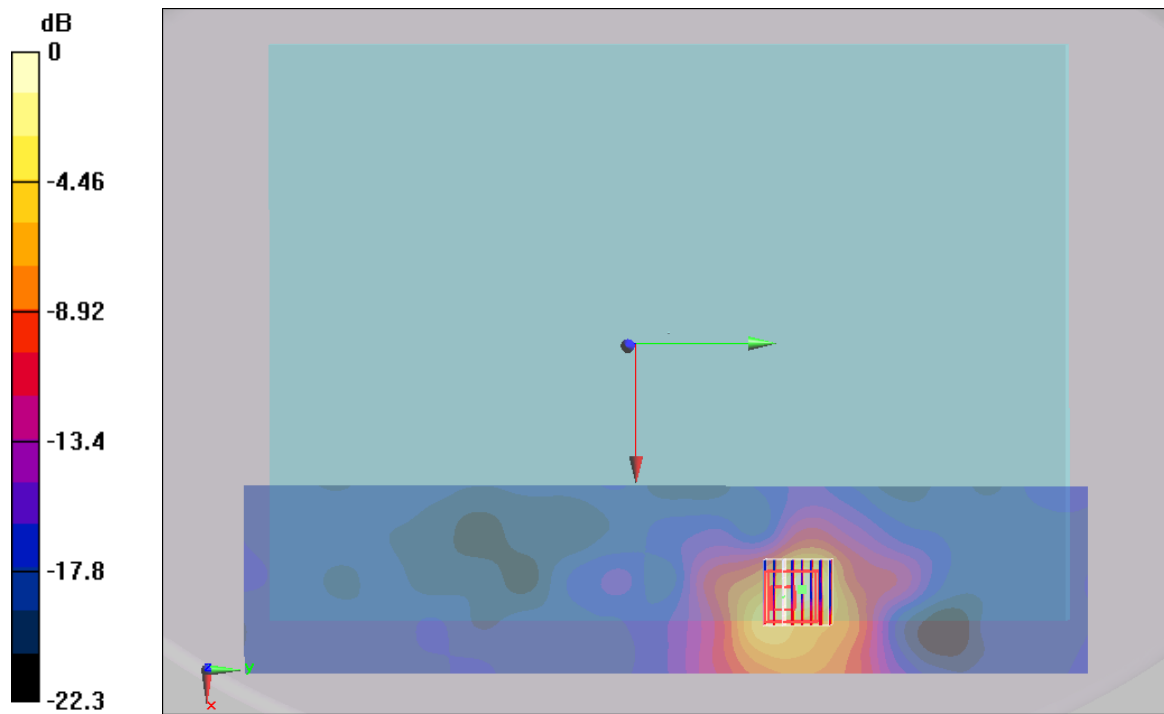
Ch165/Zoom Scan (8x8x10)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 2.09 V/m; Power Drift = 0.107 dB

Peak SAR (extrapolated) = 3.72 W/kg

SAR(1 g) = 1.12 mW/g; SAR(10 g) = 0.313 mW/g

Maximum value of SAR (measured) = 2.92 mW/g



0 dB = 1.95mW/g

#27 802.11a_Bottom_0cm_Ch149_Ant 1

DUT: 241954

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

Medium: MSL_5G_120507 Medium parameters used : $f = 5745$ MHz; $\sigma = 6.17$ mho/m; $\epsilon_r = 46.6$; $\rho = 1000$ kg/m³

Ambient Temperature : 22.4 °C; Liquid Temperature : 21.4 °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; Type: QDOVA001BA; Serial: 1029
- Software: DASY5 Version; SEMCAD X Version 13.4 Build 45

Ch149/Area Scan (81x361x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 1.53 mW/g

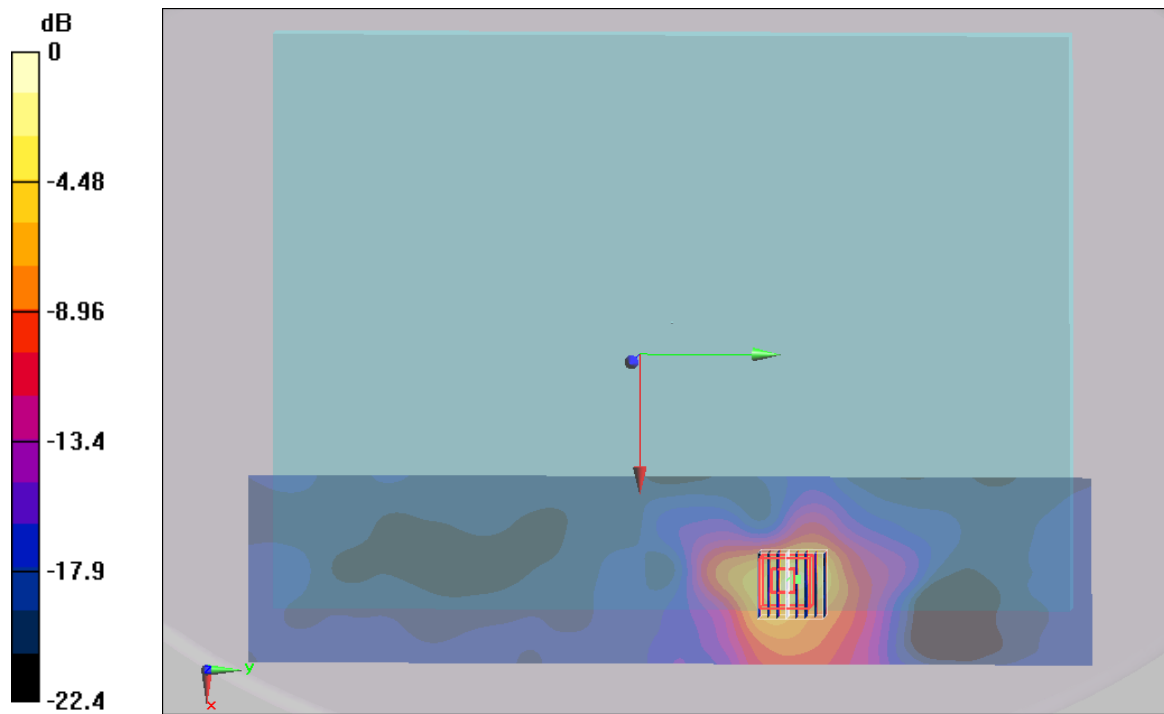
Ch149/Zoom Scan (8x8x10)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 2.28 V/m; Power Drift = -0.09 dB

Peak SAR (extrapolated) = 5.64 W/kg

SAR(1 g) = 1.32 mW/g; SAR(10 g) = 0.412 mW/g

Maximum value of SAR (measured) = 2.72 mW/g



0 dB = 2.72mW/g

#28 802.11a_Bottom_0cm_Ch157_Ant 1

DUT: 241954

Communication System: 802.11a; Frequency: 5785 MHz; Duty Cycle: 1:1

Medium: MSL_5G_120507 Medium parameters used : $f = 5785$ MHz; $\sigma = 6.22$ mho/m; $\epsilon_r = 46.5$; $\rho = 1000$ kg/m³

Ambient Temperature : 22.4 °C; Liquid Temperature : 21.4 °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; Type: QDOVA001BA; Serial: 1029
- Software: DASY5 Version; SEMCAD X Version 13.4 Build 45

Ch157/Area Scan (81x361x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 1.75 mW/g

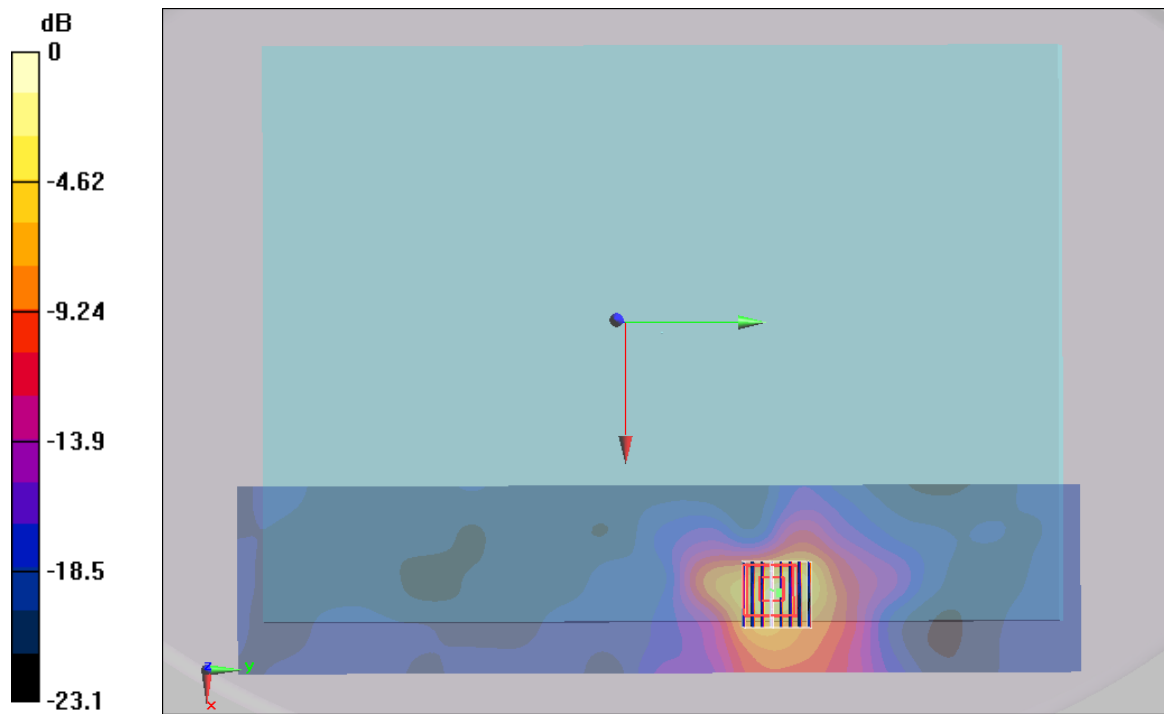
Ch157/Zoom Scan (8x8x10)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 2.16 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 5.85 W/kg

SAR(1 g) = 1.37 mW/g; SAR(10 g) = 0.429 mW/g

Maximum value of SAR (measured) = 2.97 mW/g



0 dB = 2.97mW/g

#28 802.11a_Bottom_0cm_Ch157_Ant 1_2D

DUT: 241954

Communication System: 802.11a; Frequency: 5785 MHz; Duty Cycle: 1:1

Medium: MSL_5G_120507 Medium parameters used : $f = 5785$ MHz; $\sigma = 6.22$ mho/m; $\epsilon_r = 46.5$; $\rho = 1000$ kg/m³

Ambient Temperature : 22.4 °C; Liquid Temperature : 21.4 °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; Type: QDOVA001BA; Serial: 1029
- Software: DASY5 Version; SEMCAD X Version 13.4 Build 45

Ch157/Area Scan (81x361x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 1.75 mW/g

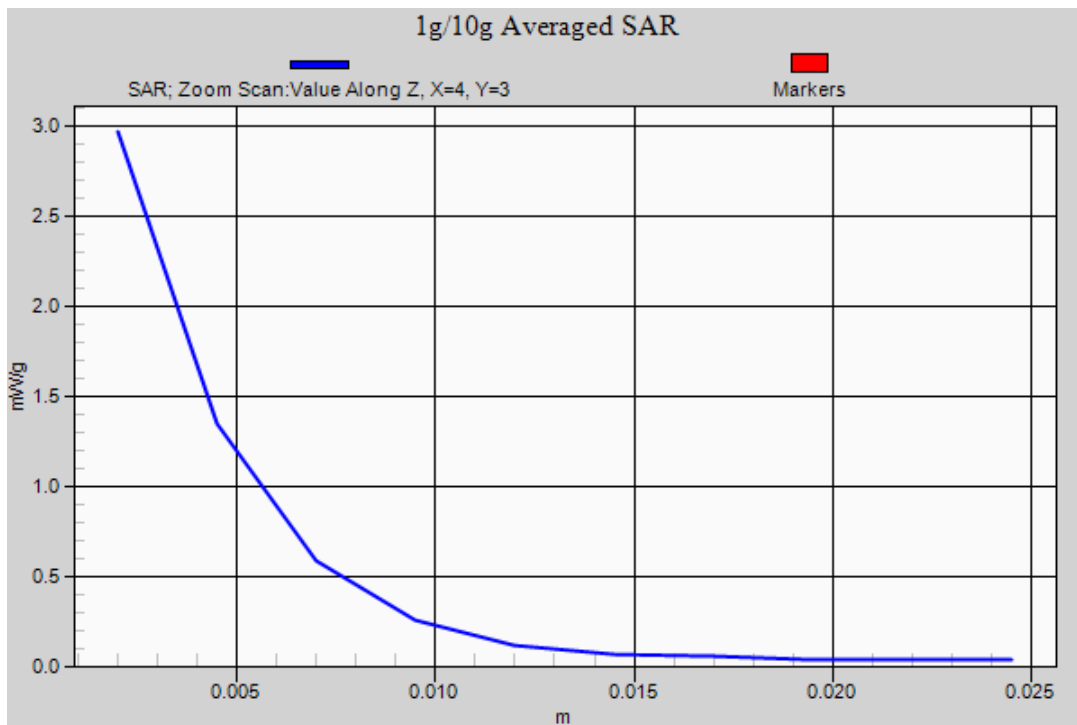
Ch157/Zoom Scan (8x8x10)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 2.16 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 5.85 W/kg

SAR(1 g) = 1.37 mW/g; SAR(10 g) = 0.429 mW/g

Maximum value of SAR (measured) = 2.97 mW/g



#22 802.11a_Bottom_0cm_Ch165_Ant 0+1

DUT: 241954

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

Medium: MSL_5G_120507 Medium parameters used: $f = 5825$ MHz; $\sigma = 6.3$ mho/m; $\epsilon_r = 46.4$; $\rho = 1000$ kg/m³

Ambient Temperature : 22.4 °C; Liquid Temperature : 21.4 °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; Type: QDOVA001BA; Serial: 1029
- Software: DASY5 Version; SEMCAD X Version 13.4 Build 45

Ch165/Area Scan (81x361x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 2.01 mW/g

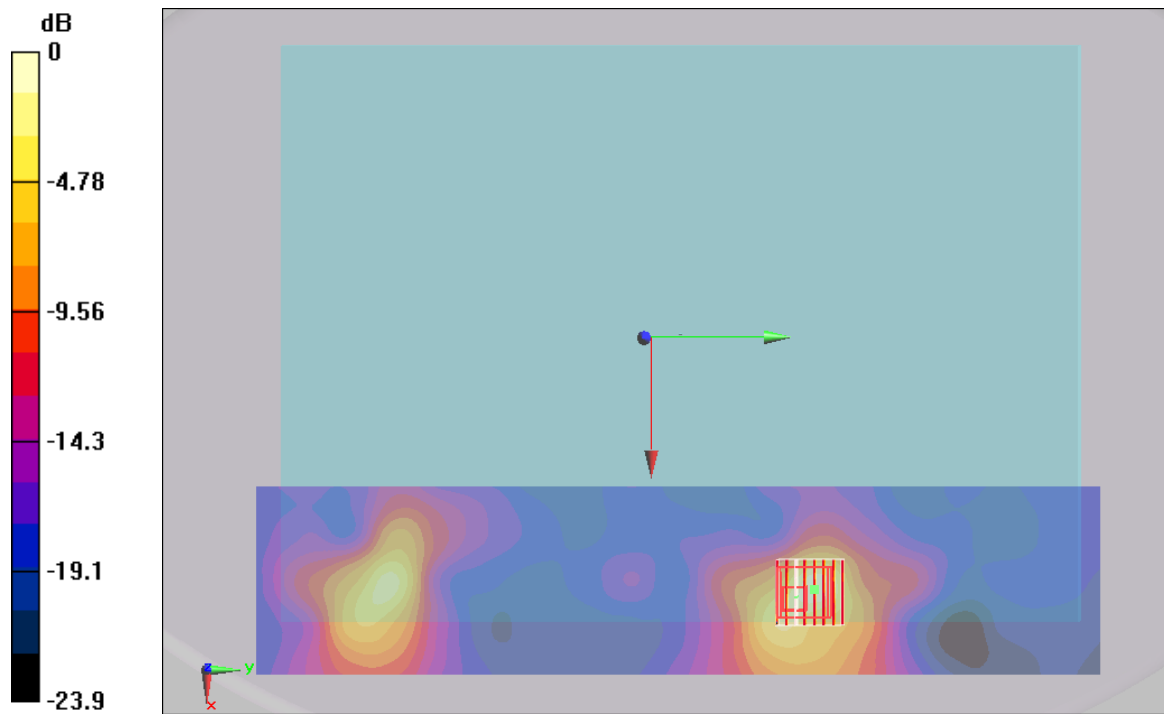
Ch165/Zoom Scan (8x8x10)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 1.73 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 6.48 W/kg

SAR(1 g) = 1.48 mW/g; SAR(10 g) = 0.516 mW/g

Maximum value of SAR (measured) = 3.1 mW/g



0 dB = 2.01mW/g

#22 802.11a_Bottom_0cm_Ch165_Ant 0+1_2D

DUT: 241954

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

Medium: MSL_5G_120507 Medium parameters used : $f = 5825$ MHz; $\sigma = 6.3$ mho/m; $\epsilon_r = 46.4$; $\rho = 1000$ kg/m³

Ambient Temperature : 22.4 °C; Liquid Temperature : 21.4 °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; Type: QDOVA001BA; Serial: 1029
- Software: DASY5 Version; SEMCAD X Version 13.4 Build 45

Ch165/Area Scan (81x361x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 2.01 mW/g

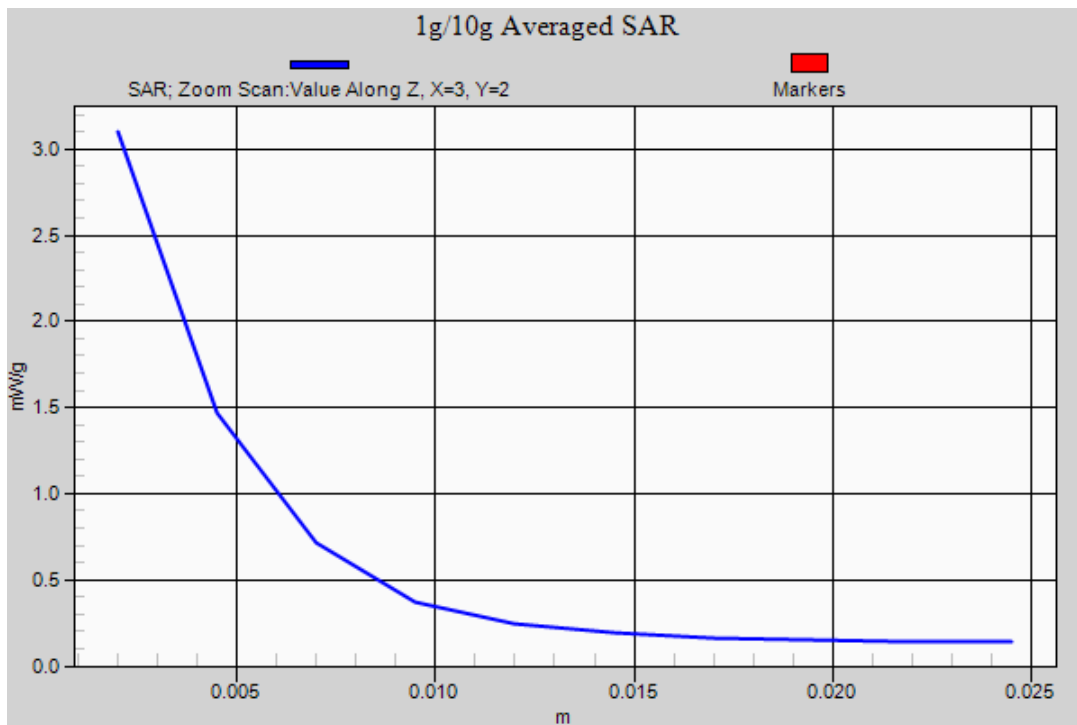
Ch165/Zoom Scan (8x8x10)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 1.73 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 6.48 W/kg

SAR(1 g) = 1.48 mW/g; SAR(10 g) = 0.516 mW/g

Maximum value of SAR (measured) = 3.1 mW/g



#25 802.11a_Bottom_0cm_Ch149_Ant 0+1

DUT: 241954

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

Medium: MSL_5G_120507 Medium parameters used: $f = 5745$ MHz; $\sigma = 6.17$ mho/m; $\epsilon_r = 46.6$; $\rho = 1000$ kg/m³

Ambient Temperature : 22.4 °C; Liquid Temperature : 21.4 °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; Type: QDOVA001BA; Serial: 1029
- Software: DASY5 Version; SEMCAD X Version 13.4 Build 45

Ch149/Area Scan (81x361x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 1.87 mW/g

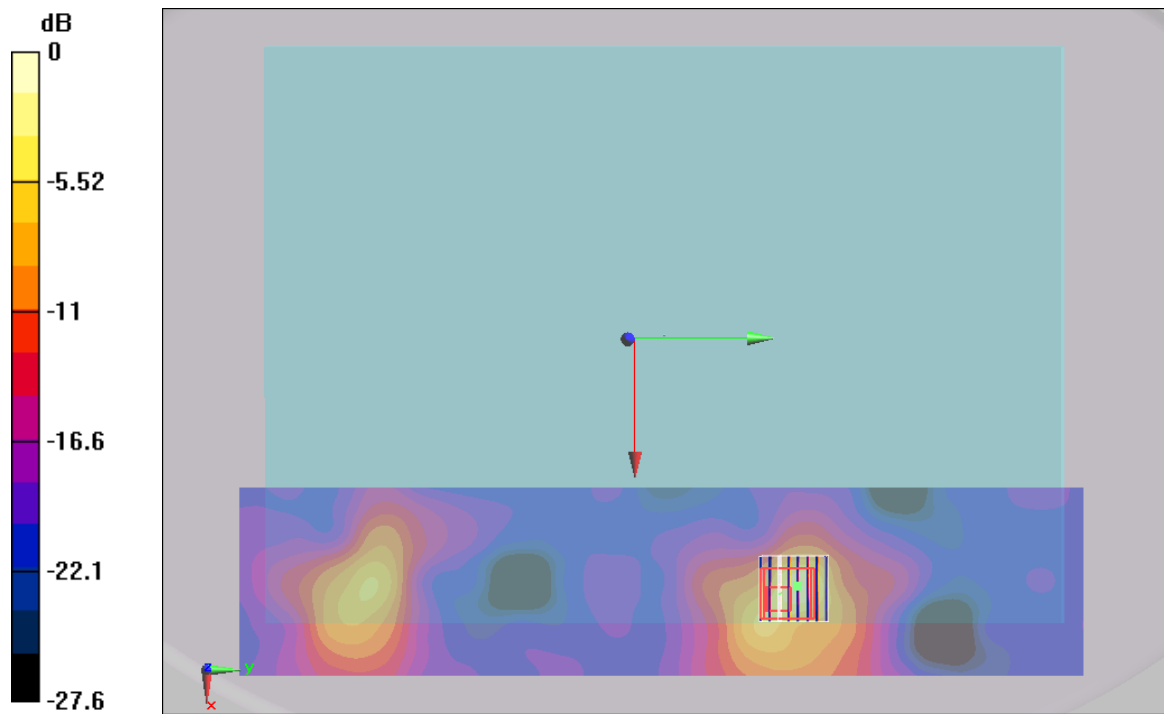
Ch149/Zoom Scan (8x8x10)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 1.83 V/m; Power Drift = -0.192 dB

Peak SAR (extrapolated) = 5.72 W/kg

SAR(1 g) = 1.35 mW/g; SAR(10 g) = 0.405 mW/g

Maximum value of SAR (measured) = 2.8 mW/g



0 dB = 2.8mW/g

#26 802.11a_Bottom_0cm_Ch157_Ant 0+1

DUT: 241954

Communication System: 802.11a; Frequency: 5785 MHz; Duty Cycle: 1:1

Medium: MSL_5G_120507 Medium parameters used : $f = 5785$ MHz; $\sigma = 6.22$ mho/m; $\epsilon_r = 46.5$; $\rho = 1000$ kg/m³

Ambient Temperature : 22.4 °C; Liquid Temperature : 21.4 °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; Type: QDOVA001BA; Serial: 1029
- Software: DASY5 Version; SEMCAD X Version 13.4 Build 45

Ch157/Area Scan (81x361x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 1.61 mW/g

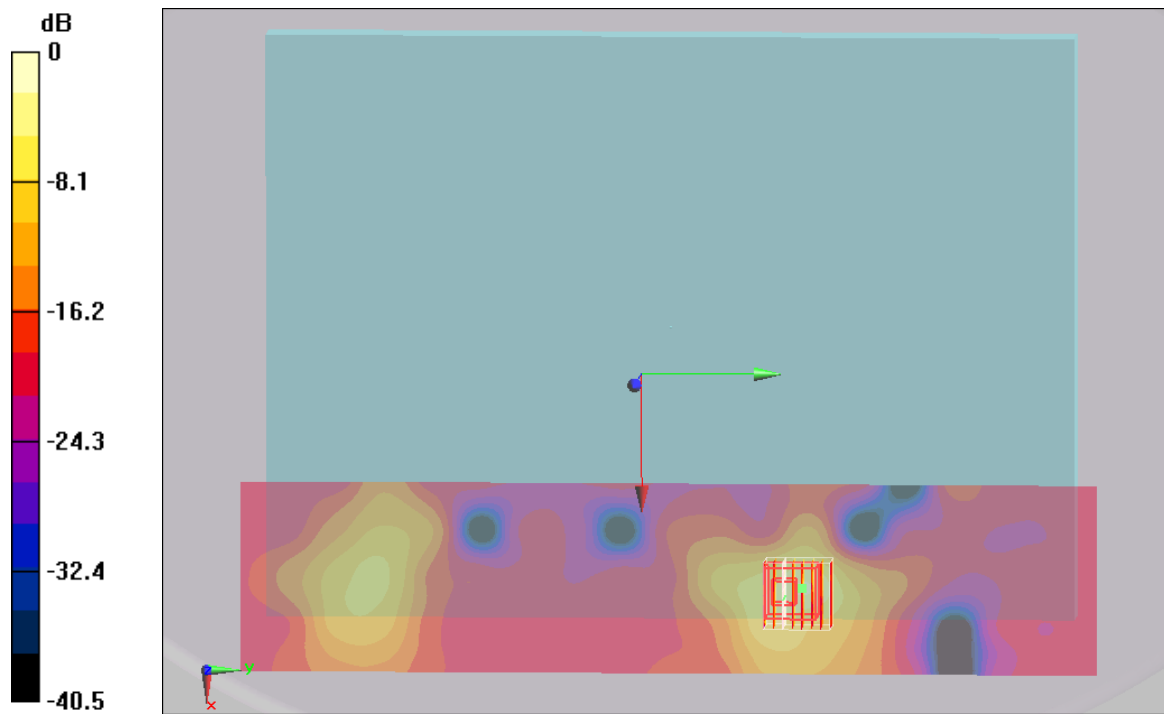
Ch157/Zoom Scan (8x8x10)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 1.95 V/m; Power Drift = 0.075 dB

Peak SAR (extrapolated) = 4.36 W/kg

SAR(1 g) = 1.16 mW/g; SAR(10 g) = 0.354 mW/g

Maximum value of SAR (measured) = 2.74 mW/g



0 dB = 2.74mW/g

#36 802.11n_20M_Bottom_0cm_Ch165_Ant 0+1

DUT: 241954

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

Medium: MSL_5G_120510 Medium parameters used : $f = 5825 \text{ MHz}$; $\sigma = 6.018 \text{ mho/m}$; $\epsilon_r = 46.416$;

$\rho = 1000 \text{ kg/m}^3$

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 Sn910; Calibrated: 2011/12/7
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP1127
- Measurement SW: DASY52, Version 52.8 (1); SEMCAD X Version 14.6.5 (6469)

Ch165/Area Scan (81x321x1): Measurement grid: $dx=10\text{mm}$, $dy=10\text{mm}$

Maximum value of SAR (interpolated) = 0.673 mW/g

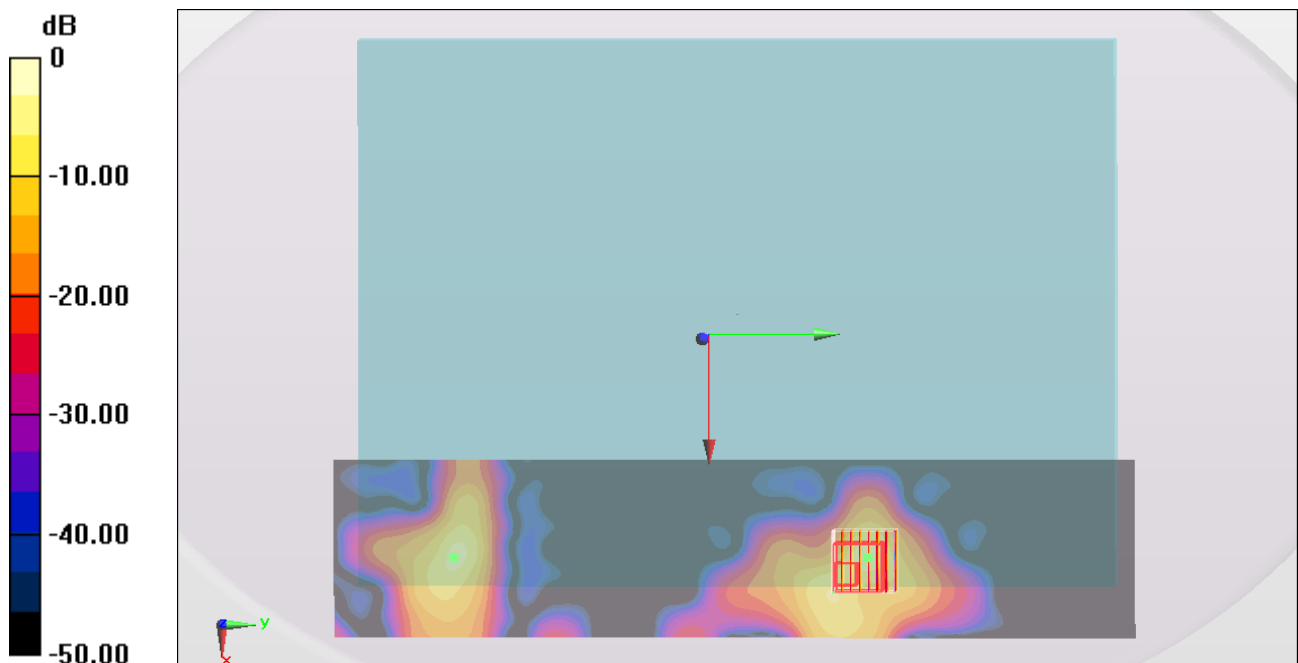
Ch165/Zoom Scan (8x8x10)/Cube 0: Measurement grid: $dx=4\text{mm}$, $dy=4\text{mm}$, $dz=2.5\text{mm}$

Reference Value = 1.125 V/m ; Power Drift = 0.17 dB

Peak SAR (extrapolated) = 3.488 mW/g

SAR(1 g) = 0.817 mW/g ; SAR(10 g) = 0.233 mW/g

Maximum value of SAR (measured) = 1.72 mW/g



$0 \text{ dB} = 1.72 \text{ mW/g} = 4.71 \text{ dB mW/g}$

#37 802.11n_20M_Bottom_0cm_Ch157_Ant 0+1

DUT: 241954

Communication System: 802.11n; Frequency: 5785 MHz; Duty Cycle: 1:1

Medium: MSL_5G_120510 Medium parameters used : $f = 5785$ MHz; $\sigma = 5.943$ mho/m; $\epsilon_r = 46.536$;

$\rho = 1000$ 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: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn910; Calibrated: 2011/12/7
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP1127
- Measurement SW: DASY52, Version 52.8 (1); SEMCAD X Version 14.6.5 (6469)

Ch157/Area Scan (81x361x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.677 mW/g

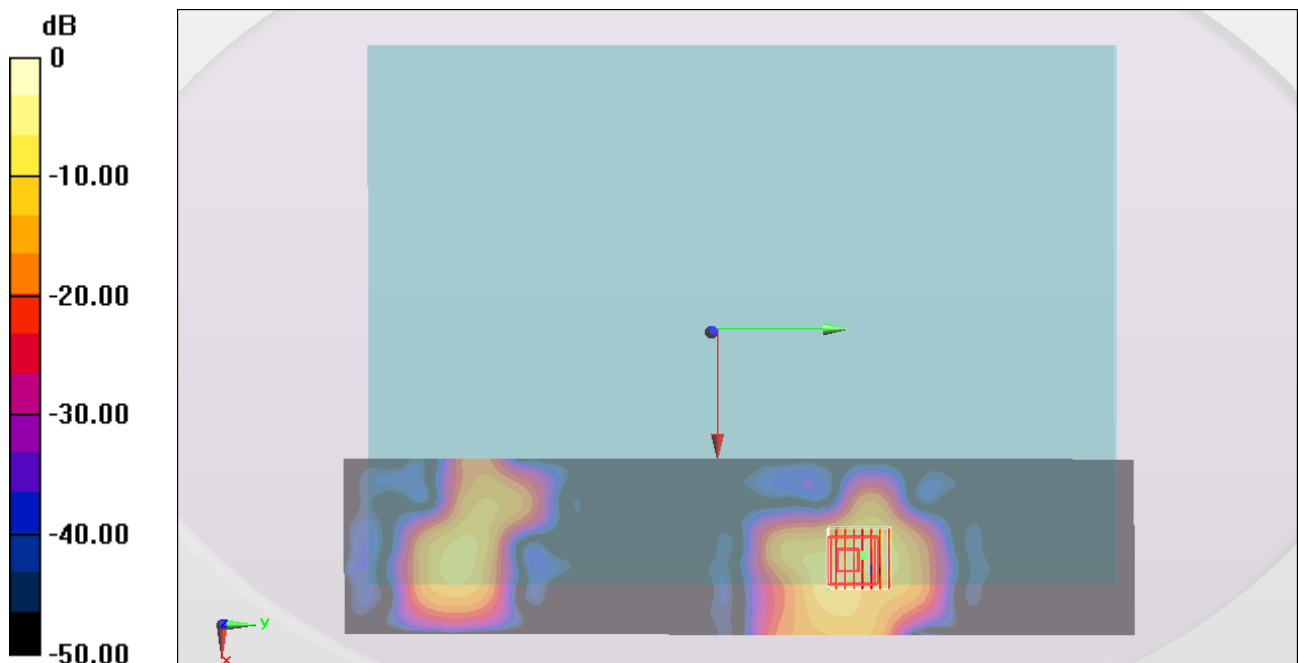
Ch157/Zoom Scan (8x8x10)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 0.274 V/m; Power Drift = 0.162 dB

Peak SAR (extrapolated) = 3.451 mW/g

SAR(1 g) = 0.798 mW/g; SAR(10 g) = 0.235 mW/g

Maximum value of SAR (measured) = 1.71 mW/g



0 dB = 1.71 mW/g = 4.66 dB mW/g

#38 802.11n_20M_Bottom_0cm_Ch149_Ant 0+1

DUT: 241954

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

Medium: MSL_5G_120510 Medium parameters used : $f = 5745$ MHz; $\sigma = 5.901$ mho/m; $\epsilon_r = 46.679$;

$\rho = 1000$ 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: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn910; Calibrated: 2011/12/7
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP1127
- Measurement SW: DASY52, Version 52.8 (1); SEMCAD X Version 14.6.5 (6469)

Ch149/Area Scan (81x361x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.632 mW/g

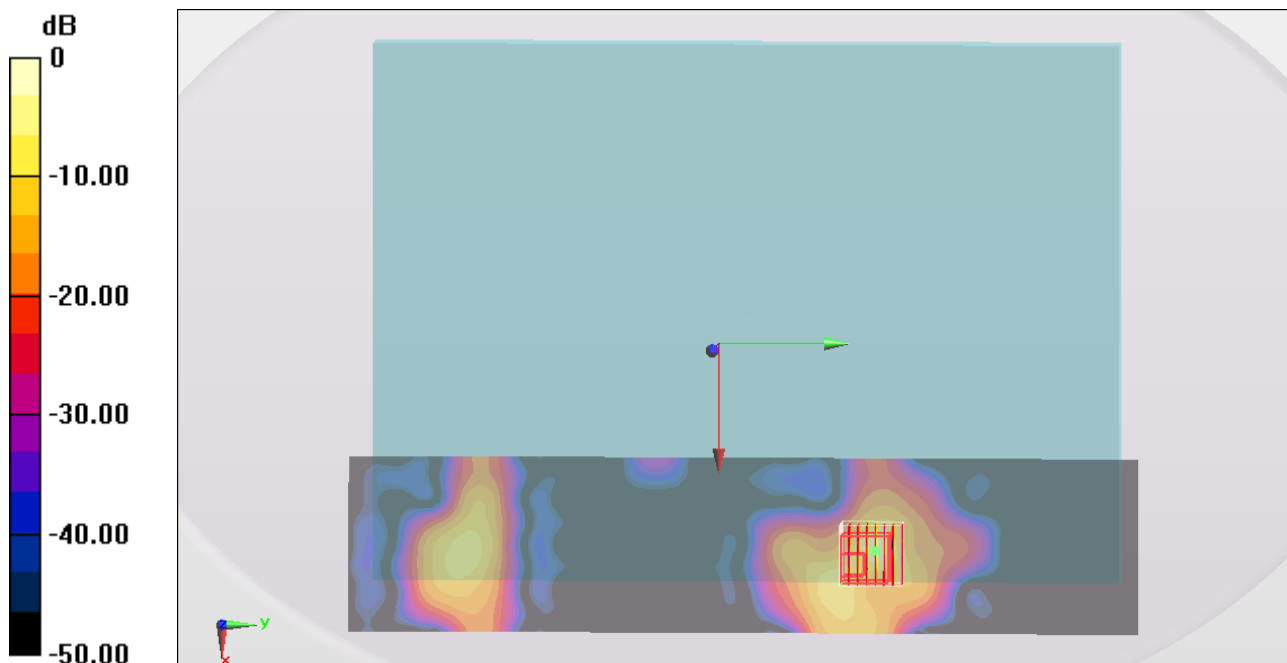
Ch149/Zoom Scan (8x8x10)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 0 V/m; Power Drift = 0.11 dB

Peak SAR (extrapolated) = 3.394 mW/g

SAR(1 g) = 0.804 mW/g; SAR(10 g) = 0.227 mW/g

Maximum value of SAR (measured) = 1.78 mW/g



0 dB = 1.78 mW/g = 5.01 dB mW/g

#39 802.11n_40M_Bottom_0cm_Ch151_Ant 0+1

DUT: 241954

Communication System: 802.11n; Frequency: 5755 MHz; Duty Cycle: 1:1

Medium: MSL_5G_120510 Medium parameters used : $f = 5755$ MHz; $\sigma = 5.918$ mho/m; $\epsilon_r = 46.662$;

$\rho = 1000$ 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: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn910; Calibrated: 2011/12/7
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP1127
- Measurement SW: DASY52, Version 52.8 (1); SEMCAD X Version 14.6.5 (6469)

Ch151/Area Scan (81x361x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.789 mW/g

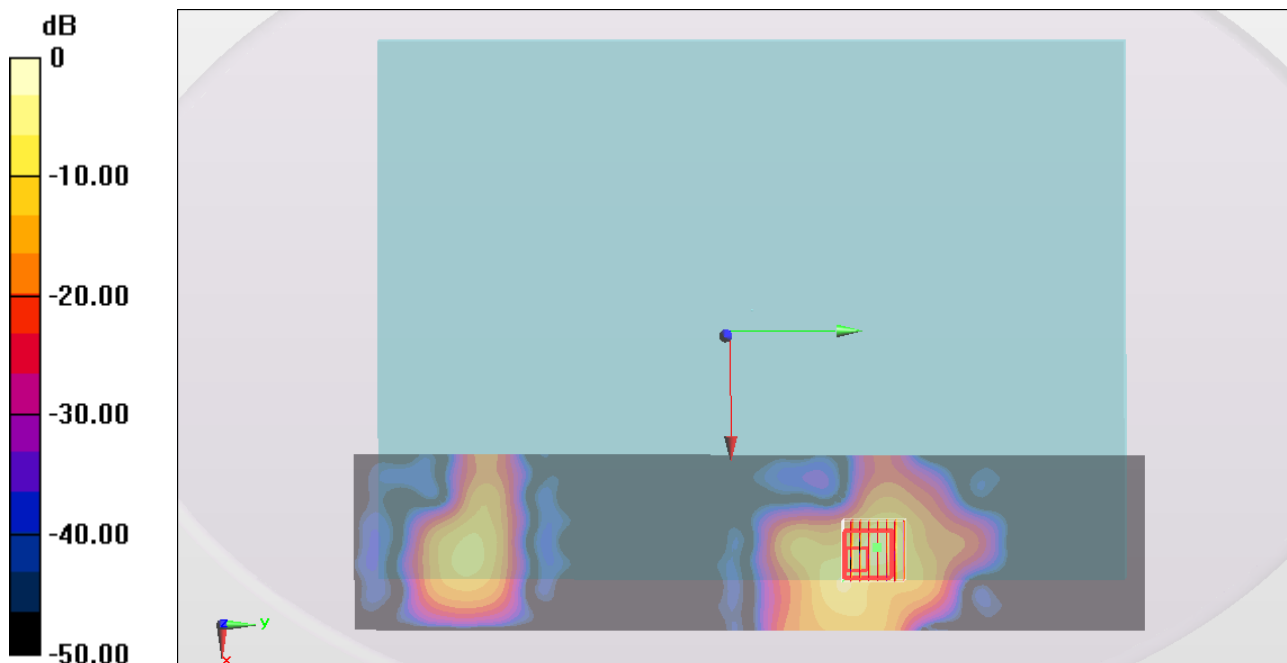
Ch151/Zoom Scan (8x8x10)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 0 V/m; Power Drift = 0.12 dB

Peak SAR (extrapolated) = 3.739 mW/g

SAR(1 g) = 0.889 mW/g; SAR(10 g) = 0.257 mW/g

Maximum value of SAR (measured) = 1.91 mW/g



0 dB = 1.91 mW/g = 5.62 dB mW/g

#40 802.11n_40M_Bottom_0cm_Ch159_Ant 0+1

DUT: 241954

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

Medium: MSL_5G_120510 Medium parameters used: $f = 5795 \text{ MHz}$; $\sigma = 5.951 \text{ mho/m}$; $\epsilon_r = 46.494$;

$\rho = 1000 \text{ kg/m}^3$

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 Sn910; Calibrated: 2011/12/7
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP1127
- Measurement SW: DASY52, Version 52.8 (1); SEMCAD X Version 14.6.5 (6469)

Ch159/Area Scan (81x361x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.691 mW/g

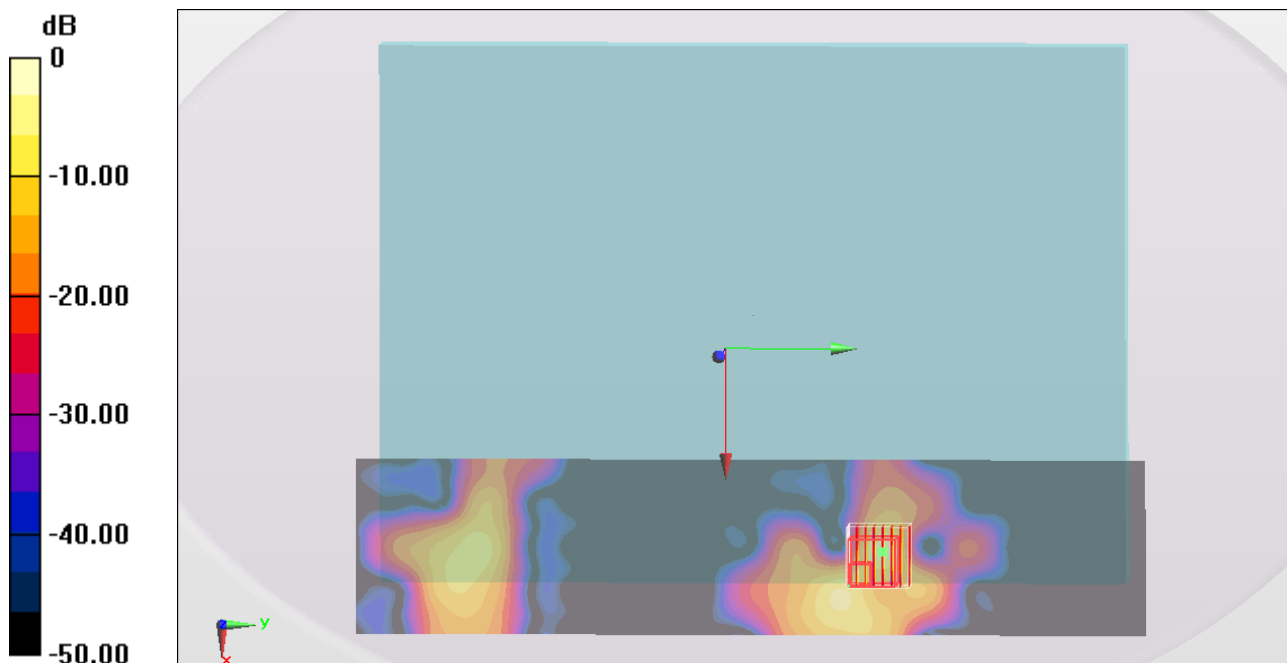
Ch159/Zoom Scan (8x8x10)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 0.674 V/m; Power Drift = 0.15 dB

Peak SAR (extrapolated) = 3.657 mW/g

SAR(1 g) = 0.855 mW/g; SAR(10 g) = 0.230 mW/g

Maximum value of SAR (measured) = 1.89 mW/g



0 dB = 1.89 mW/g = 5.53 dB mW/g