



Appendix B. Plots of SAR Measurement

The plots are shown as follows.

#01_WLAN2.4G_802.11b_Bottom Face_0cm_Ch6;Ant 0

DUT: 313102

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

Medium: MSL_2450_130306 Medium parameters used: $f = 2437$ MHz; $\sigma = 1.951$ mho/m; $\epsilon_r = 52.324$; ρ

$= 1000$ kg/m³

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

DASY5 Configuration:

- Probe: ES3DV3 - SN3270; ConvF(4.17, 4.17, 4.17); Calibrated: 2012/9/28;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn778; Calibrated: 2012/8/27
- Phantom: ELI 4.0_Front; Type: QDOVA001BB; Serial: 1026
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6477)

Configuration/Ch6/Area Scan (101x201x1): Measurement grid: dx=12mm, dy=12mm
Maximum value of SAR (interpolated) = 0.410 mW/g

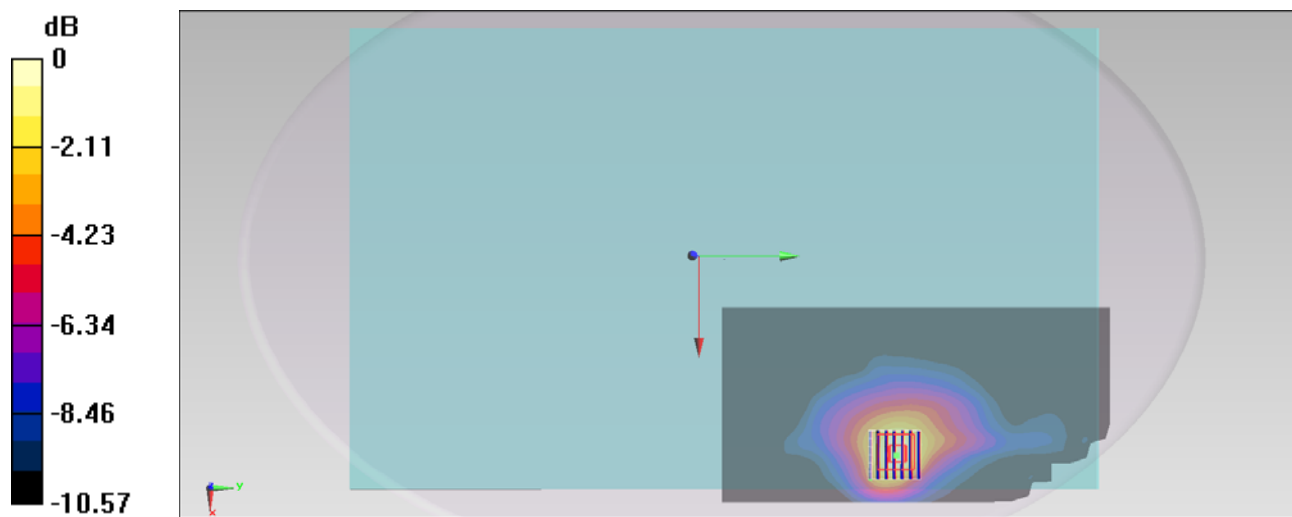
Configuration/Ch6/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm,
dz=5mm

Reference Value = 14.310 V/m; Power Drift = 0.07 dB

Peak SAR (extrapolated) = 0.606 mW/g

SAR(1 g) = 0.307 mW/g; SAR(10 g) = 0.171 mW/g

Maximum value of SAR (measured) = 0.380 mW/g



0 dB = 0.380 mW/g = -8.40 dB mW/g

#02_WLAN2.4G_802.11b_Edge 1_0cm_Ch6;Ant 0

DUT: 313102

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

Medium: MSL_2450_130306 Medium parameters used: $f = 2437$ MHz; $\sigma = 1.951$ mho/m; $\epsilon_r = 52.324$; ρ

$= 1000$ kg/m³

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

DASY5 Configuration:

- Probe: ES3DV3 - SN3270; ConvF(4.17, 4.17, 4.17); Calibrated: 2012/9/28;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn778; Calibrated: 2012/8/27
- Phantom: ELI 4.0_Front; Type: QDOVA001BB; Serial: 1026
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6477)

Configuration/Ch6/Area Scan (61x201x1): Measurement grid: dx=12mm, dy=12mm
 Maximum value of SAR (interpolated) = 0.506 mW/g

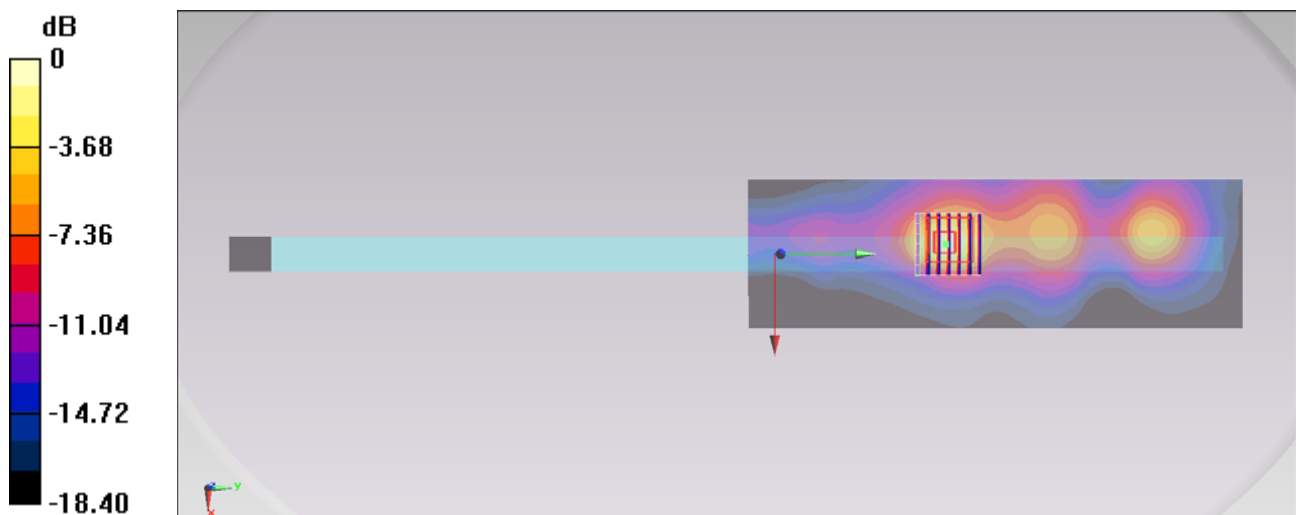
Configuration/Ch6/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm,
 dz=5mm

Reference Value = 17.483 V/m; Power Drift = -0.06 dB

Peak SAR (extrapolated) = 0.976 mW/g

SAR(1 g) = 0.420 mW/g; SAR(10 g) = 0.183 mW/g

Maximum value of SAR (measured) = 0.563 mW/g



0 dB = 0.563 mW/g = -4.99 dB mW/g

#05_WLAN2.4G_802.11b_Bottom Face_0cm_Ch1;Ant 0+1

DUT: 313102

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

Medium: MSL_2450_130306 Medium parameters used: $f = 2412$ MHz; $\sigma = 1.918$ mho/m; $\epsilon_r = 52.404$; ρ

$= 1000$ kg/m³

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

DASY5 Configuration:

- Probe: ES3DV3 - SN3270; ConvF(4.17, 4.17, 4.17); Calibrated: 2012/9/28;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn778; Calibrated: 2012/8/27
- Phantom: ELI 4.0_Front; Type: QDOVA001BB; Serial: 1026
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6477)

Configuration/Ch1/Area Scan (81x401x1): Measurement grid: dx=12mm, dy=12mm
 Maximum value of SAR (interpolated) = 0.547 mW/g

Configuration/Ch1/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 16.361 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 0.765 mW/g

SAR(1 g) = 0.393 mW/g; SAR(10 g) = 0.216 mW/g

Maximum value of SAR (measured) = 0.482 mW/g

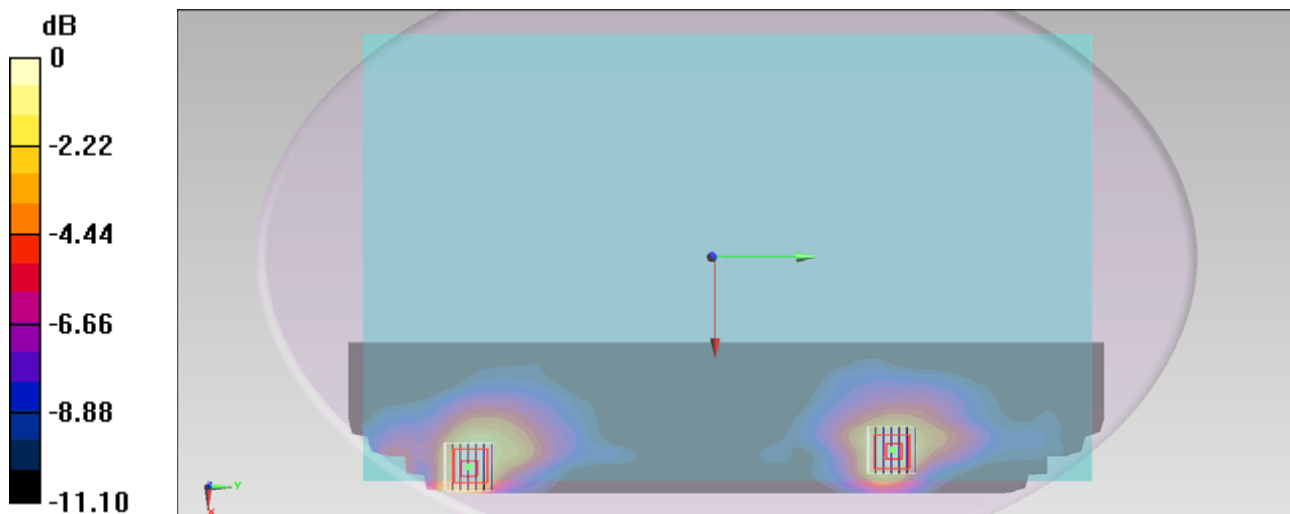
Configuration/Ch1/Zoom Scan (7x7x7)/Cube 1: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 16.361 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 0.681 mW/g

SAR(1 g) = 0.350 mW/g; SAR(10 g) = 0.194 mW/g

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



0 dB = 0.431 mW/g = -7.31 dB mW/g

#06_WLAN2.4G_802.11b_Edge 1_0cm_Ch1;Ant 0+1

DUT: 313102

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

Medium: MSL_2450_130306 Medium parameters used: $f = 2412$ MHz; $\sigma = 1.918$ mho/m; $\epsilon_r = 52.404$; ρ

$= 1000$ kg/m³

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

DASY5 Configuration:

- Probe: ES3DV3 - SN3270; ConvF(4.17, 4.17, 4.17); Calibrated: 2012/9/28;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn778; Calibrated: 2012/8/27
- Phantom: ELI 4.0_Front; Type: QDOVA001BB; Serial: 1026
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6477)

Configuration/Ch1/Area Scan (61x401x1): Measurement grid: dx=12mm, dy=12mm
 Maximum value of SAR (interpolated) = 0.598 mW/g

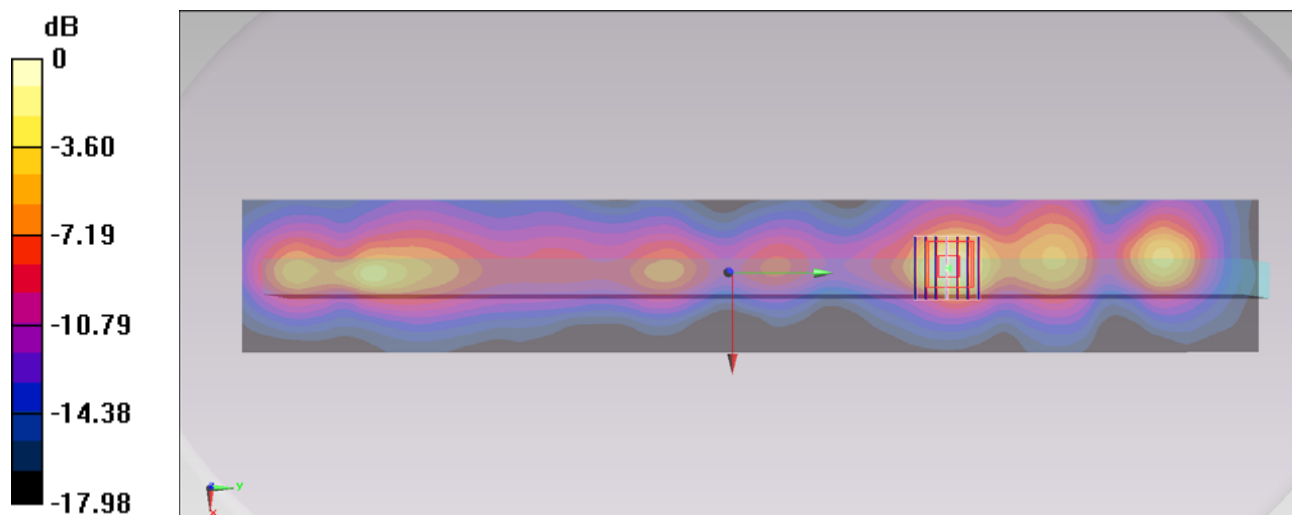
Configuration/Ch1/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 18.170 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 0.991 mW/g

SAR(1 g) = 0.446 mW/g; SAR(10 g) = 0.201 mW/g

Maximum value of SAR (measured) = 0.599 mW/g



0 dB = 0.599 mW/g = -4.45 dB mW/g

#10_WLAN5G_802.11a_Bottom Face_0cm_Ch36;Ant 0

DUT: 313102

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

Medium: MSL_5G_130306 Medium parameters used: $f = 5180$ MHz; $\sigma = 5.097$ mho/m; $\epsilon_r = 47.487$; $\rho =$

1000 kg/m³

Ambient Temperature : 22.2°C; Liquid Temperature : 21.2°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3792; ConvF(4.2, 4.2, 4.2); Calibrated: 2012/6/21;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1338; Calibrated: 2012/6/12
- Phantom: ELI 4.0_Front; Type: QDOVA001BB; Serial: 1029
- Measurement SW: DASY52, Version 52.8 (3); SEMCAD X Version 14.6.5 (6469)

Configuration/Ch36/Area Scan (121x241x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.335 mW/g

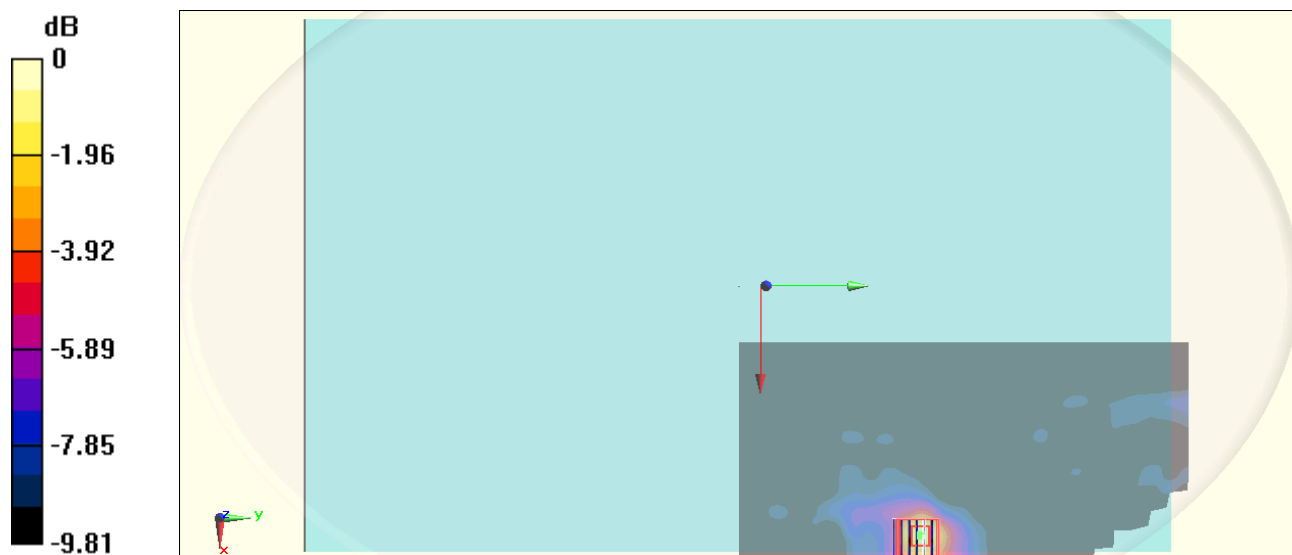
Configuration/Ch36/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 2.299 V/m; Power Drift = -0.10 dB

Peak SAR (extrapolated) = 0.583 mW/g

SAR(1 g) = 0.199 mW/g; SAR(10 g) = 0.106 mW/g

Maximum value of SAR (measured) = 0.387 mW/g



0 dB = 0.387 mW/g = -8.25 dB mW/g

#11_WLAN5G_802.11a_Edge 1_0cm_Ch36;Ant 0

DUT: 313102

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

Medium: MSL_5G_130306 Medium parameters used: $f = 5180$ MHz; $\sigma = 5.097$ mho/m; $\epsilon_r = 47.487$; $\rho =$

1000 kg/m³

Ambient Temperature : 22.2°C; Liquid Temperature : 21.2°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3792; ConvF(4.2, 4.2, 4.2); Calibrated: 2012/6/21;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1338; Calibrated: 2012/6/12
- Phantom: ELI 4.0_Front; Type: QDOVA001BB; Serial: 1029
- Measurement SW: DASY52, Version 52.8 (3); SEMCAD X Version 14.6.5 (6469)

Configuration/Ch36/Area Scan (71x241x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 1.69 mW/g

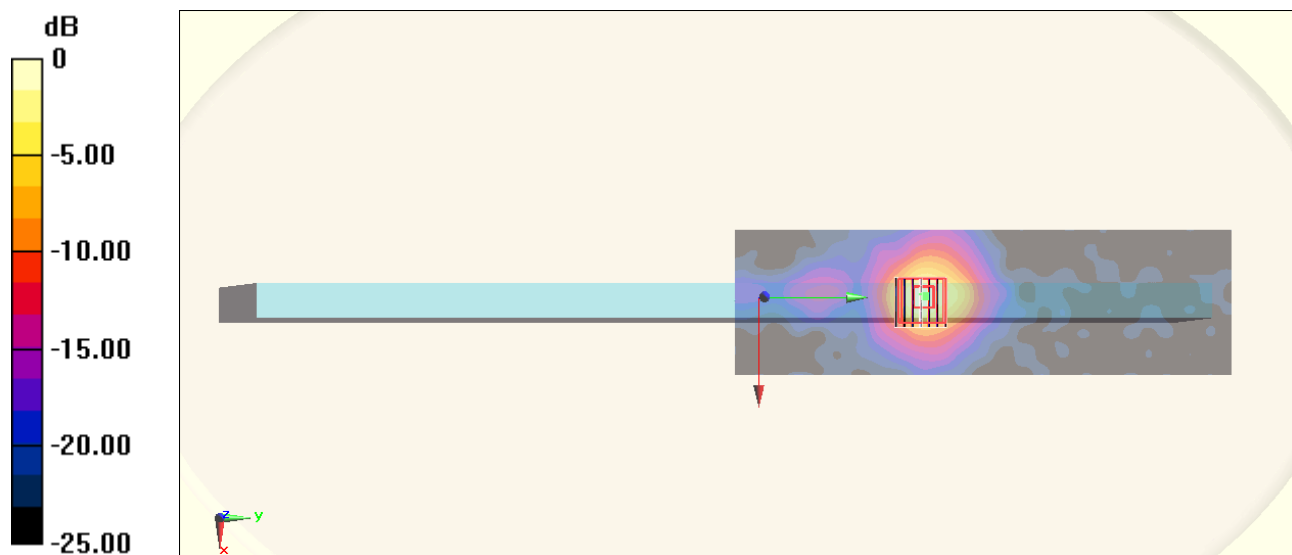
Configuration/Ch36/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 2.929 V/m; Power Drift = 0.13 dB

Peak SAR (extrapolated) = 2.795 mW/g

SAR(1 g) = 0.719 mW/g; SAR(10 g) = 0.217 mW/g

Maximum value of SAR (measured) = 1.67 mW/g



0 dB = 1.67 mW/g = 4.45 dB mW/g

#13_WLAN5G_802.11a_Bottom Face_0cm_Ch60;Ant 0

DUT: 313102

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

Medium: MSL_5G_130306 Medium parameters used: $f = 5300$ MHz; $\sigma = 5.264$ mho/m; $\epsilon_r = 47.249$; $\rho =$

1000 kg/m³

Ambient Temperature : 22.2°C; Liquid Temperature : 21.2°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3792; ConvF(4.01, 4.01, 4.01); Calibrated: 2012/6/21;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1338; Calibrated: 2012/6/12
- Phantom: ELI 4.0_Front; Type: QDOVA001BB; Serial: 1029
- Measurement SW: DASY52, Version 52.8 (3); SEMCAD X Version 14.6.5 (6469)

Configuration/Ch60/Area Scan (121x241x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.303 mW/g

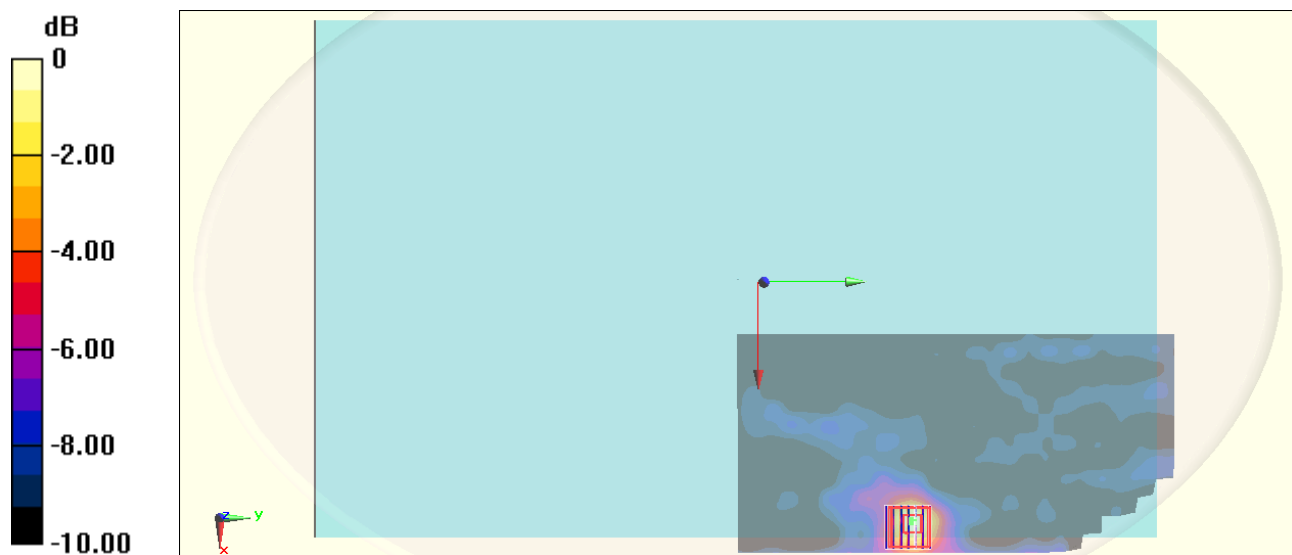
Configuration/Ch60/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 2.315 V/m; Power Drift = -0.12 dB

Peak SAR (extrapolated) = 0.464 mW/g

SAR(1 g) = 0.163 mW/g; SAR(10 g) = 0.091 mW/g

Maximum value of SAR (measured) = 0.297 mW/g



0 dB = 0.297 mW/g = -10.54 dB mW/g

#14_WLAN5G_802.11a_Edge 1_0cm_Ch60;Ant 0

DUT: 313102

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

Medium: MSL_5G_130306 Medium parameters used: $f = 5300$ MHz; $\sigma = 5.264$ mho/m; $\epsilon_r = 47.249$; $\rho =$

1000 kg/m³

Ambient Temperature : 22.2°C; Liquid Temperature : 21.2°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3792; ConvF(4.01, 4.01, 4.01); Calibrated: 2012/6/21;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1338; Calibrated: 2012/6/12
- Phantom: ELI 4.0_Front; Type: QDOVA001BB; Serial: 1029
- Measurement SW: DASY52, Version 52.8 (3); SEMCAD X Version 14.6.5 (6469)

Configuration/Ch60/Area Scan (71x241x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.802 mW/g

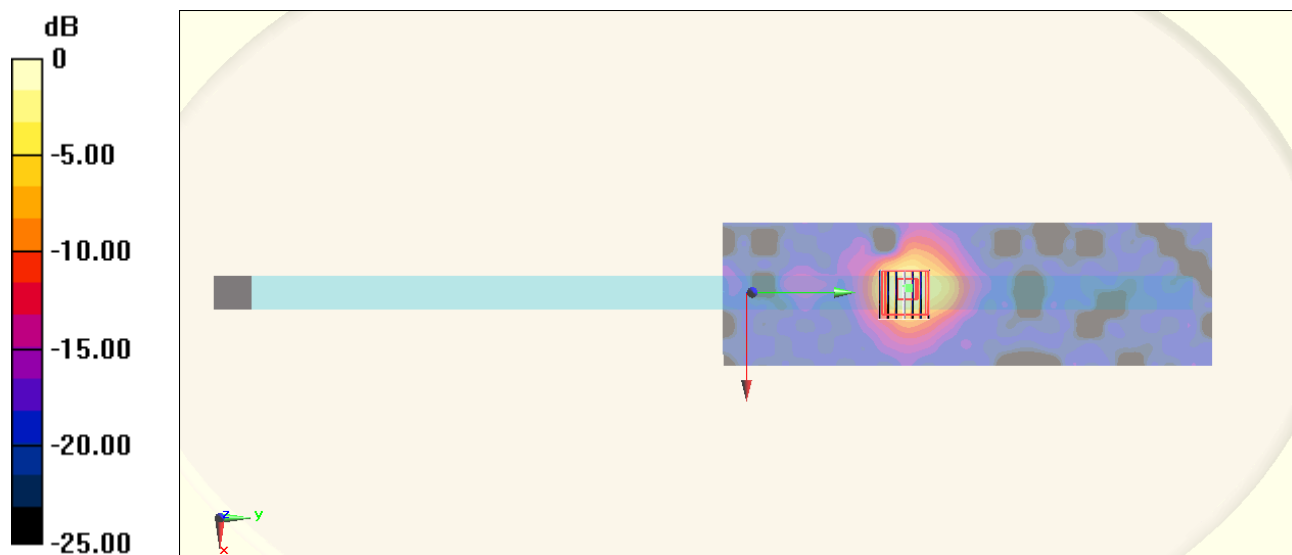
Configuration/Ch60/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 1.665 V/m; Power Drift = 0.18 dB

Peak SAR (extrapolated) = 1.391 mW/g

SAR(1 g) = 0.339 mW/g; SAR(10 g) = 0.100 mW/g

Maximum value of SAR (measured) = 0.806 mW/g



0 dB = 0.806 mW/g = -1.87 dB mW/g

#16_WLAN5G_802.11a_Bottom Face_0cm_Ch100;Ant 0

DUT: 313102

Communication System: 802.11a; Frequency: 5500 MHz; Duty Cycle: 1:1

Medium: MSL_5G_130306 Medium parameters used: $f = 5500$ MHz; $\sigma = 5.506$ mho/m; $\epsilon_r = 47.018$; $\rho =$

1000 kg/m³

Ambient Temperature : 22.2°C; Liquid Temperature : 21.2°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3792; ConvF(3.81, 3.81, 3.81); Calibrated: 2012/6/21;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1338; Calibrated: 2012/6/12
- Phantom: ELI 4.0_Front; Type: QDOVA001BB; Serial: 1029
- Measurement SW: DASY52, Version 52.8 (3); SEMCAD X Version 14.6.5 (6469)

Configuration/Ch100/Area Scan (121x241x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.329 mW/g

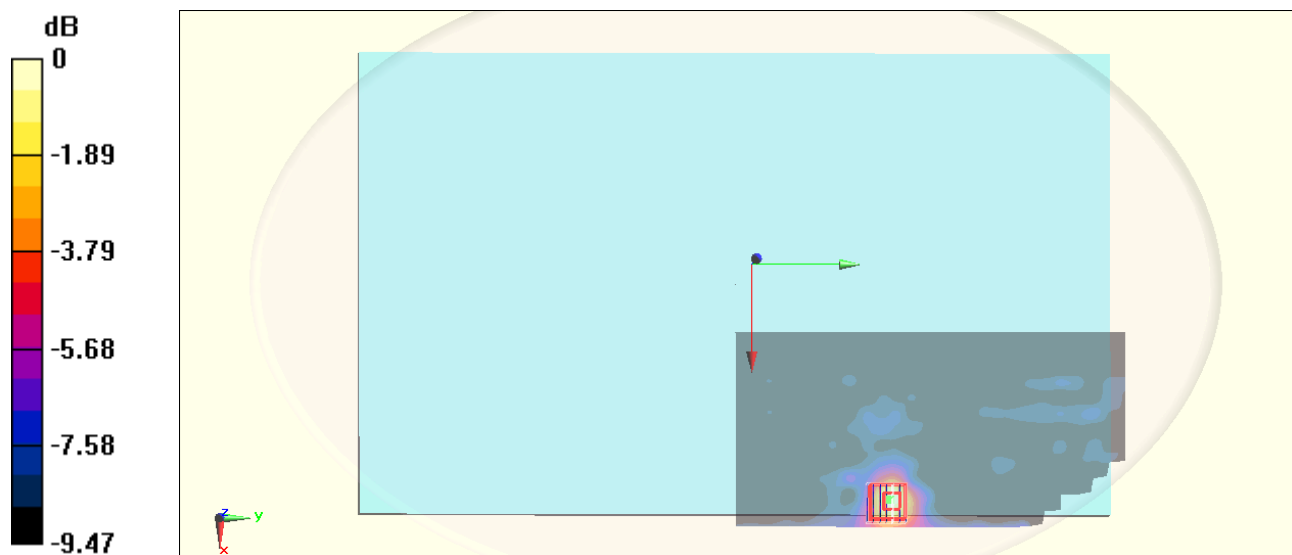
Configuration/Ch100/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 1.702 V/m; Power Drift = 0.19 dB

Peak SAR (extrapolated) = 0.521 mW/g

SAR(1 g) = 0.176 mW/g; SAR(10 g) = 0.097 mW/g

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



0 dB = 0.324 mW/g = -9.79 dB mW/g

#17_WLAN5G_802.11a_Edge 1_0cm_Ch100;Ant 0

DUT: 313102

Communication System: 802.11a; Frequency: 5500 MHz; Duty Cycle: 1:1

Medium: MSL_5G_130306 Medium parameters used: $f = 5500$ MHz; $\sigma = 5.506$ mho/m; $\epsilon_r = 47.018$; $\rho = 1000$ kg/m³

Ambient Temperature : 22.2°C; Liquid Temperature : 21.2°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3792; ConvF(3.81, 3.81, 3.81); Calibrated: 2012/6/21;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1338; Calibrated: 2012/6/12
- Phantom: ELI 4.0_Front; Type: QDOVA001BB; Serial: 1029
- Measurement SW: DASY52, Version 52.8 (3); SEMCAD X Version 14.6.5 (6469)

Configuration/Ch100/Area Scan (71x241x1): Measurement grid: dx=10mm, dy=10mm
 Maximum value of SAR (interpolated) = 0.992 mW/g

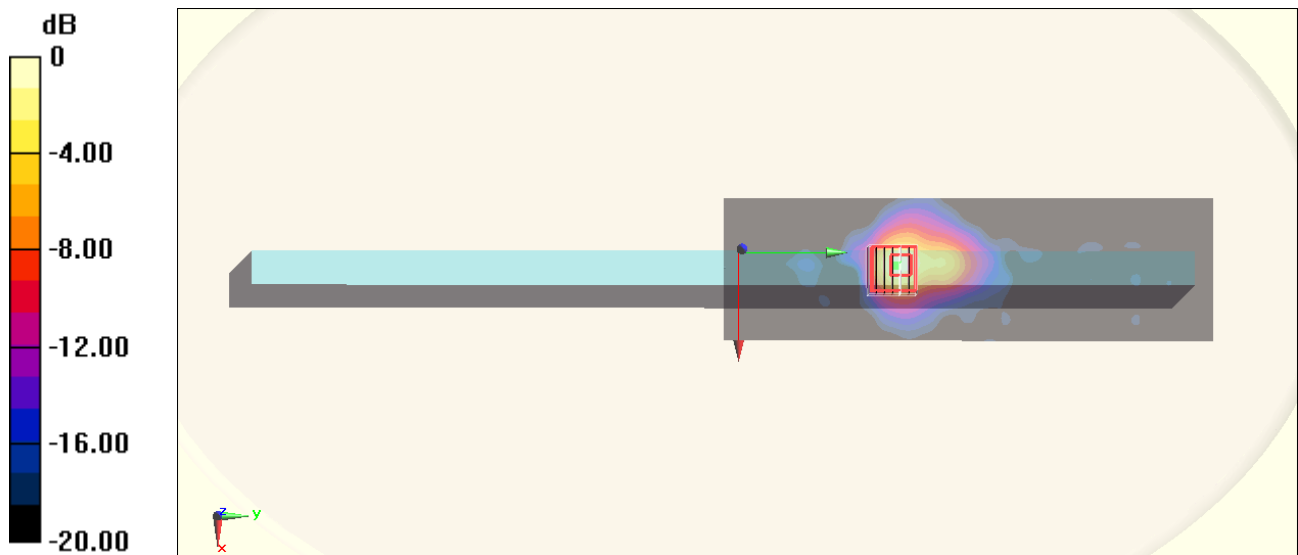
Configuration/Ch100/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 15.845 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 1.888 mW/g

SAR(1 g) = 0.435 mW/g; SAR(10 g) = 0.115 mW/g

Maximum value of SAR (measured) = 1.10 mW/g



0 dB = 1.10 mW/g = 0.83 dB mW/g

#18_WLAN5G_802.11a_Edge 1_0cm_Ch116;Ant 0

DUT: 313102

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

Medium: MSL_5G_130306 Medium parameters used: $f = 5580$ MHz; $\sigma = 5.618$ mho/m; $\epsilon_r = 46.854$; $\rho =$

1000 kg/m³

Ambient Temperature : 22.2°C; Liquid Temperature : 21.2°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3792; ConvF(3.72, 3.72, 3.72); Calibrated: 2012/6/21;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1338; Calibrated: 2012/6/12
- Phantom: ELI 4.0_Front; Type: QDOVA001BB; Serial: 1029
- Measurement SW: DASY52, Version 52.8 (3); SEMCAD X Version 14.6.5 (6469)

Configuration/Ch116/Area Scan (71x241x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.664 mW/g

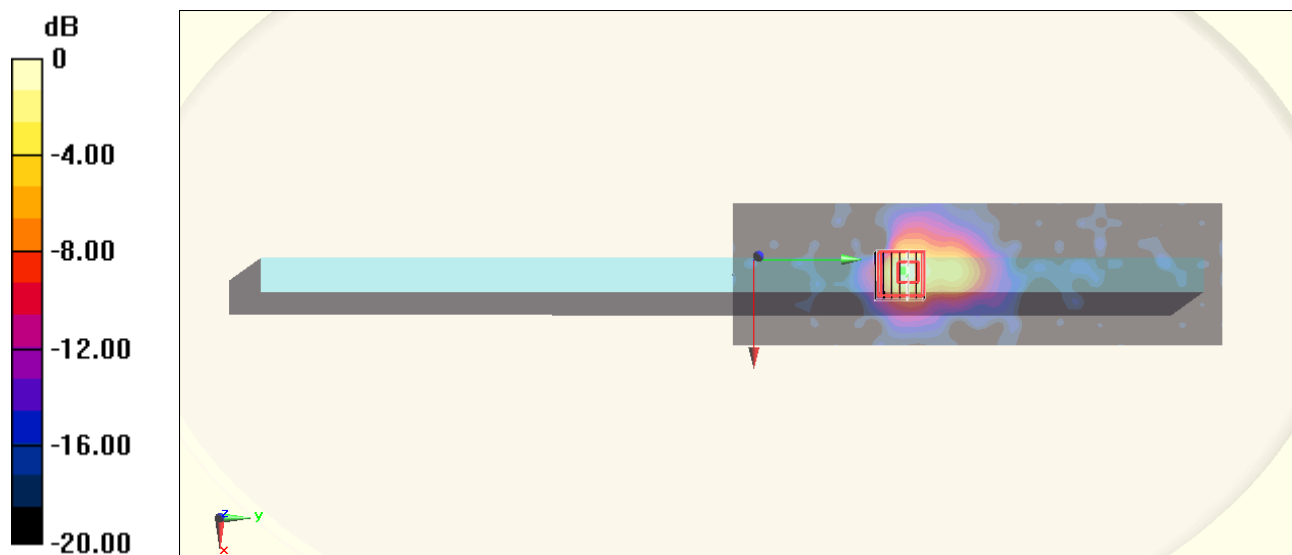
Configuration/Ch116/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 12.597 V/m; Power Drift = -0.18 dB

Peak SAR (extrapolated) = 1.180 mW/g

SAR(1 g) = 0.272 mW/g; SAR(10 g) = 0.072 mW/g

Maximum value of SAR (measured) = 0.682 mW/g



0 dB = 0.682 mW/g = -3.32 dB mW/g

#19_WLAN5G_802.11a_Edge 1_0cm_Ch140;Ant 0

DUT: 313102

Communication System: 802.11a; Frequency: 5700 MHz; Duty Cycle: 1:1

Medium: MSL_5G_130306 Medium parameters used: $f = 5700$ MHz; $\sigma = 5.81$ mho/m; $\epsilon_r = 46.685$; $\rho =$

1000 kg/m³

Ambient Temperature : 22.2°C; Liquid Temperature : 21.2°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3792; ConvF(3.72, 3.72, 3.72); Calibrated: 2012/6/21;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1338; Calibrated: 2012/6/12
- Phantom: ELI 4.0_Front; Type: QDOVA001BB; Serial: 1029
- Measurement SW: DASY52, Version 52.8 (3); SEMCAD X Version 14.6.5 (6469)

Configuration/Ch140/Area Scan (71x241x1): Measurement grid: dx=10mm, dy=10mm
 Maximum value of SAR (interpolated) = 0.846 mW/g

Configuration/Ch140/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 15.498 V/m; Power Drift = -0.16 dB

Peak SAR (extrapolated) = 1.647 mW/g

SAR(1 g) = 0.395 mW/g; SAR(10 g) = 0.108 mW/g

Maximum value of SAR (measured) = 0.998 mW/g

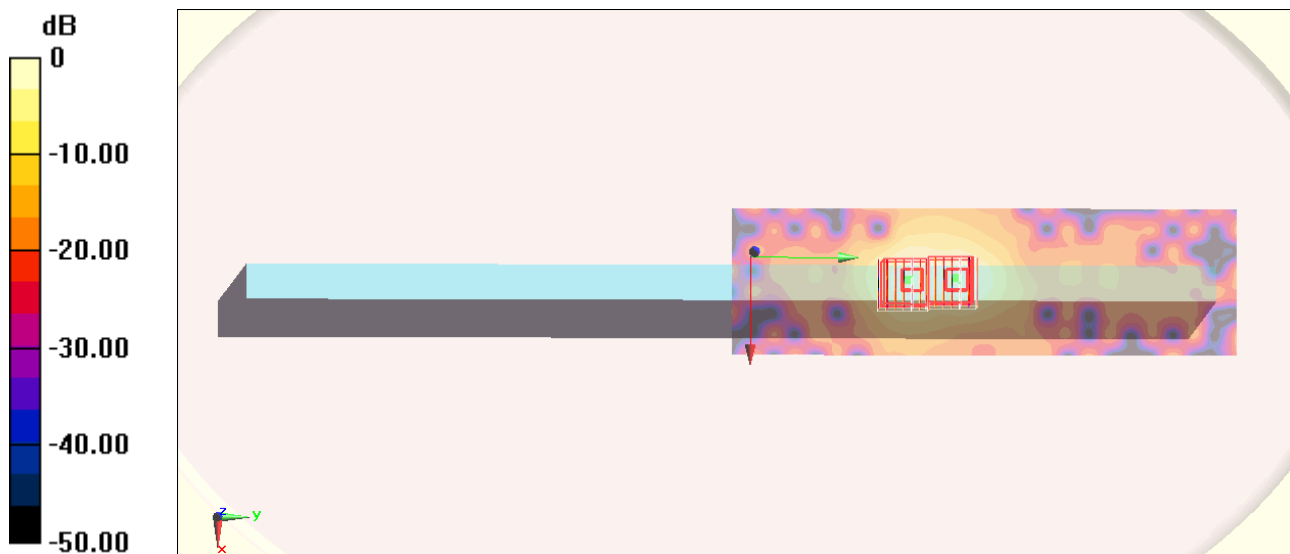
Configuration/Ch140/Zoom Scan (7x7x7)/Cube 1: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 15.498 V/m; Power Drift = -0.16 dB

Peak SAR (extrapolated) = 1.394 mW/g

SAR(1 g) = 0.316 mW/g; SAR(10 g) = 0.102 mW/g

Maximum value of SAR (measured) = 0.770 mW/g



0 dB = 0.770 mW/g = -2.27 dB mW/g

#20_WLAN5G_802.11a_Bottom Face_0cm_Ch157;Ant 0

DUT: 313102

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

Medium: MSL_5G_130308 Medium parameters used : $f = 5785$ MHz; $\sigma = 6.14$ mho/m; $\epsilon_r = 46.539$; $\rho =$

1000 kg/m³

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3792; ConvF(3.89, 3.89, 3.89); Calibrated: 2012/6/21;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1338; Calibrated: 2012/6/12
- Phantom: ELI 4.0_Front; Type: QDOVA001BB; Serial: 1029
- Measurement SW: DASY52, Version 52.8 (3); SEMCAD X Version 14.6.5 (6469)

Configuration/Ch157/Area Scan (121x241x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.367 mW/g

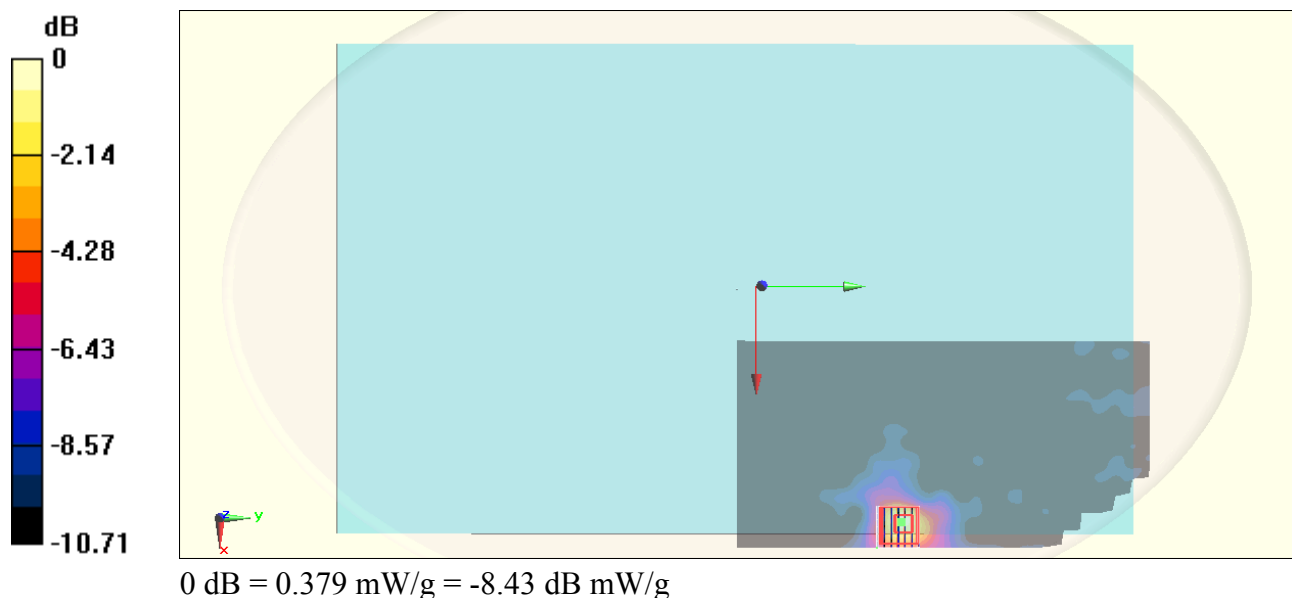
Configuration/Ch157/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 1.589 V/m; Power Drift = -0.14 dB

Peak SAR (extrapolated) = 0.610 mW/g

SAR(1 g) = 0.185 mW/g; SAR(10 g) = 0.094 mW/g

Maximum value of SAR (measured) = 0.379 mW/g



#21_WLAN5G_802.11a_Edge 1_0cm_Ch157;Ant 0

DUT: 313102

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

Medium: MSL_5G_130308 Medium parameters used : $f = 5785$ MHz; $\sigma = 6.14$ mho/m; $\epsilon_r = 46.539$; $\rho =$

1000 kg/m³

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3792; ConvF(3.89, 3.89, 3.89); Calibrated: 2012/6/21;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1338; Calibrated: 2012/6/12
- Phantom: ELI 4.0_Front; Type: QDOVA001BB; Serial: 1029
- Measurement SW: DASY52, Version 52.8 (3); SEMCAD X Version 14.6.5 (6469)

Configuration/Ch157/Area Scan (71x241x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.774 mW/g

Configuration/Ch157/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 14.080 V/m; Power Drift = -0.14 dB

Peak SAR (extrapolated) = 1.488 mW/g

SAR(1 g) = 0.332 mW/g; SAR(10 g) = 0.095 mW/g

Maximum value of SAR (measured) = 0.829 mW/g

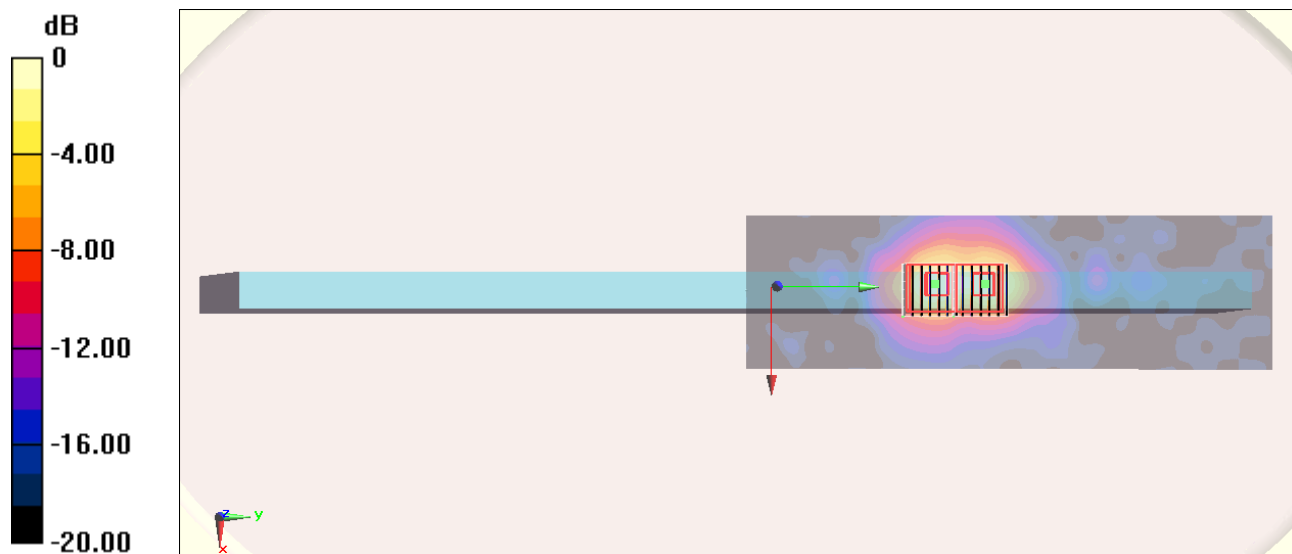
Configuration/Ch157/Zoom Scan (7x7x7)/Cube 1: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 14.080 V/m; Power Drift = -0.14 dB

Peak SAR (extrapolated) = 1.300 mW/g

SAR(1 g) = 0.290 mW/g; SAR(10 g) = 0.091 mW/g

Maximum value of SAR (measured) = 0.704 mW/g



0 dB = 0.704 mW/g = -3.05 dB mW/g

#24_WLAN5G_802.11a_Bottom Face_0cm_Ch36;Ant 0+1

DUT: 313102

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

Medium: MSL_5G_130306 Medium parameters used: $f = 5180$ MHz; $\sigma = 5.097$ mho/m; $\epsilon_r = 47.487$; $\rho =$

1000 kg/m³

Ambient Temperature : 22.2°C; Liquid Temperature : 21.2°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3792; ConvF(4.2, 4.2, 4.2); Calibrated: 2012/6/21;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1338; Calibrated: 2012/6/12
- Phantom: ELI 4.0_Front; Type: QDOVA001BB; Serial: 1029
- Measurement SW: DASY52, Version 52.8 (3); SEMCAD X Version 14.6.5 (6469)

Configuration/Ch36/Area Scan (101x481x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.430 mW/g

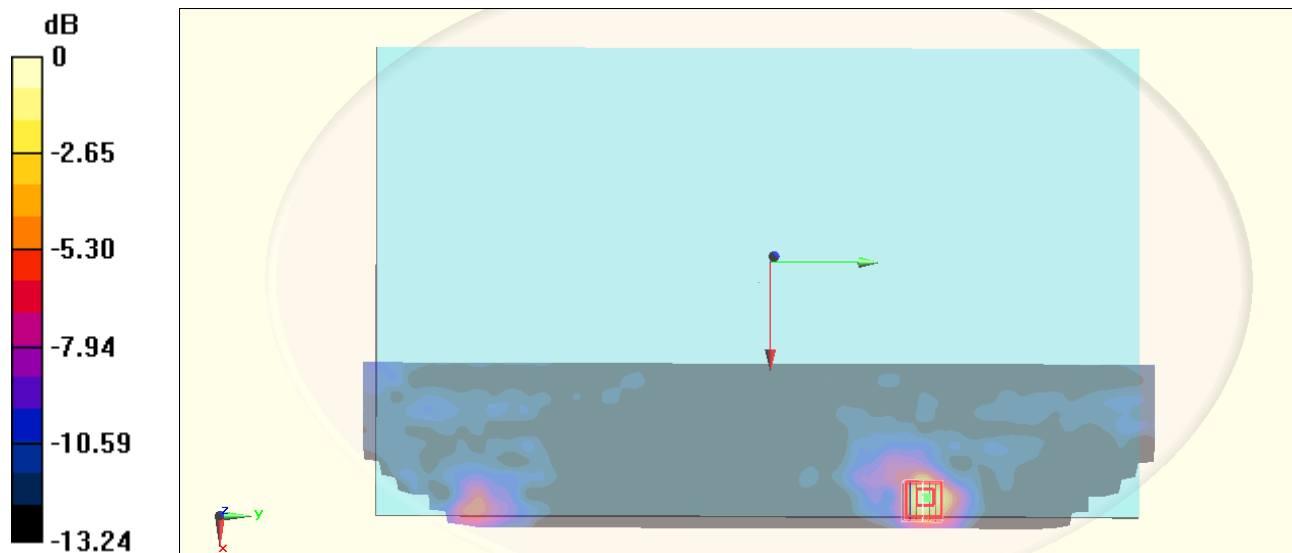
Configuration/Ch36/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 1.691 V/m; Power Drift = -0.14 dB

Peak SAR (extrapolated) = 0.793 mW/g

SAR(1 g) = 0.255 mW/g; SAR(10 g) = 0.118 mW/g

Maximum value of SAR (measured) = 0.508 mW/g



0 dB = 0.508 mW/g = -5.88 dB mW/g

#25_WLAN5G_802.11a_Edge 1_0cm_Ch36;Ant 0+1

DUT: 313102

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

Medium: MSL_5G_130306 Medium parameters used : $f = 5180$ MHz; $\sigma = 5.097$ mho/m; $\epsilon_r = 47.487$; $\rho =$

1000 kg/m³

Ambient Temperature : 22.2°C; Liquid Temperature : 21.2°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3792; ConvF(4.2, 4.2, 4.2); Calibrated: 2012/6/21;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1338; Calibrated: 2012/6/12
- Phantom: ELI 4.0_Front; Type: QDOVA001BB; Serial: 1029
- Measurement SW: DASY52, Version 52.8 (3); SEMCAD X Version 14.6.5 (6469)

Configuration/Ch36/Area Scan (71x481x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 1.88 mW/g

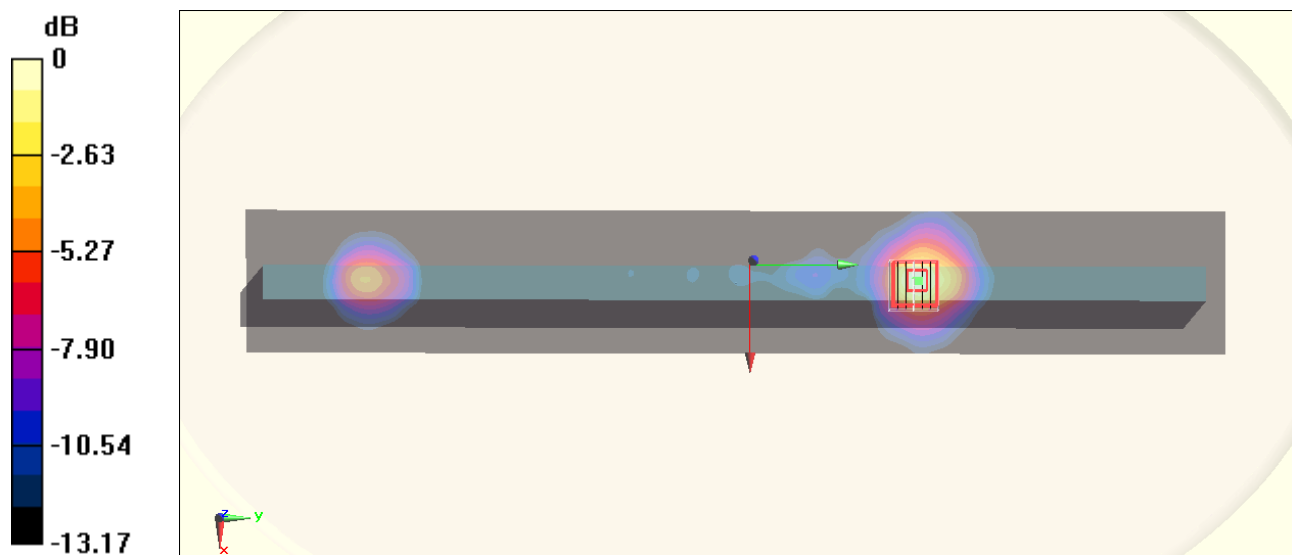
Configuration/Ch36/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 5.242 V/m; Power Drift = 0.06 dB

Peak SAR (extrapolated) = 2.028 mW/g

SAR(1 g) = 0.645 mW/g; SAR(10 g) = 0.293 mW/g

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



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

#28_WLAN5G_802.11a_Bottom Face_0cm_Ch60;Ant 0+1

DUT: 313102

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

Medium: MSL_5G_130308 Medium parameters used: $f = 5300$ MHz; $\sigma = 5.405$ mho/m; $\epsilon_r = 47.298$; $\rho =$

1000 kg/m³

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3792; ConvF(4.01, 4.01, 4.01); Calibrated: 2012/6/21;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1338; Calibrated: 2012/6/12
- Phantom: ELI 4.0_Front; Type: QDOVA001BB; Serial: 1029
- Measurement SW: DASY52, Version 52.8 (3); SEMCAD X Version 14.6.5 (6469)

Configuration/Ch60/Area Scan (101x481x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.251 mW/g

Configuration/Ch60/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 3.157 V/m; Power Drift = -0.13 dB

Peak SAR (extrapolated) = 0.447 mW/g

SAR(1 g) = 0.146 mW/g; SAR(10 g) = 0.087 mW/g

Maximum value of SAR (measured) = 0.260 mW/g

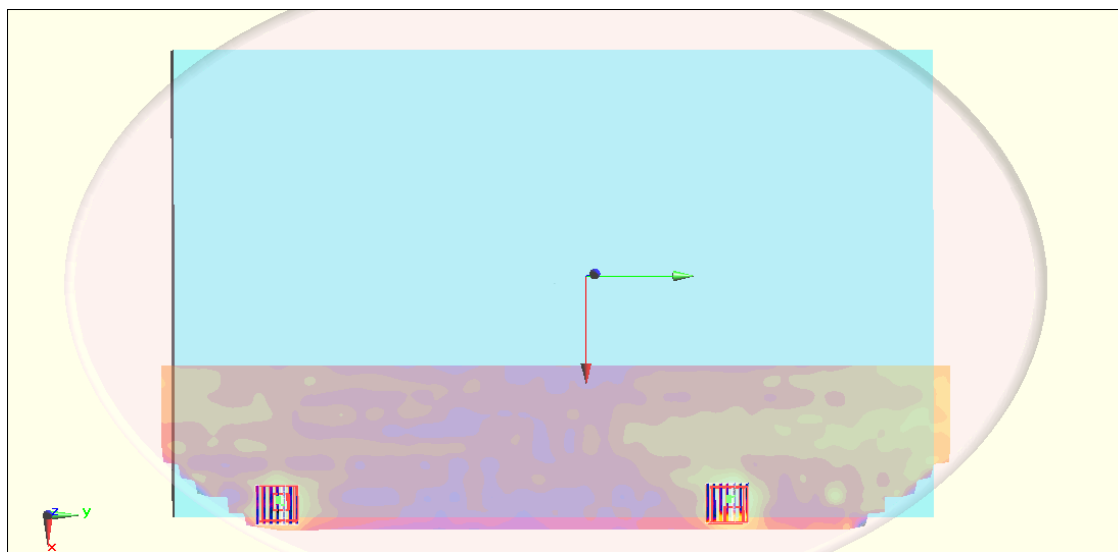
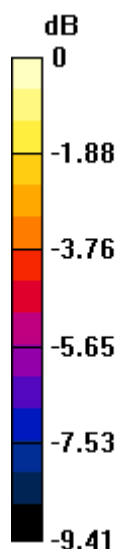
Configuration/Ch60/Zoom Scan (7x7x7)/Cube 1: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 3.157 V/m; Power Drift = -0.13 dB

Peak SAR (extrapolated) = 0.310 mW/g

SAR(1 g) = 0.105 mW/g; SAR(10 g) = 0.059 mW/g

Maximum value of SAR (measured) = 0.194 mW/g



0 dB = 0.194 mW/g = -14.24 dB mW/g

#29_WLAN5G_802.11a_Edge 1_0cm_Ch60;Ant 0+1

DUT: 313102

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

Medium: MSL_5G_130308 Medium parameters used: $f = 5300$ MHz; $\sigma = 5.405$ mho/m; $\epsilon_r = 47.298$; $\rho =$

1000 kg/m³

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3792; ConvF(4.01, 4.01, 4.01); Calibrated: 2012/6/21;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1338; Calibrated: 2012/6/12
- Phantom: ELI 4.0_Front; Type: QDOVA001BB; Serial: 1029
- Measurement SW: DASY52, Version 52.8 (3); SEMCAD X Version 14.6.5 (6469)

Configuration/Ch60/Area Scan (71x481x1): Measurement grid: dx=10mm, dy=10mm
 Maximum value of SAR (interpolated) = 0.695 mW/g

Configuration/Ch60/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 2.391 V/m; Power Drift = -0.15 dB

Peak SAR (extrapolated) = 1.246 mW/g

SAR(1 g) = 0.311 mW/g; SAR(10 g) = 0.094 mW/g

Maximum value of SAR (measured) = 0.710 mW/g

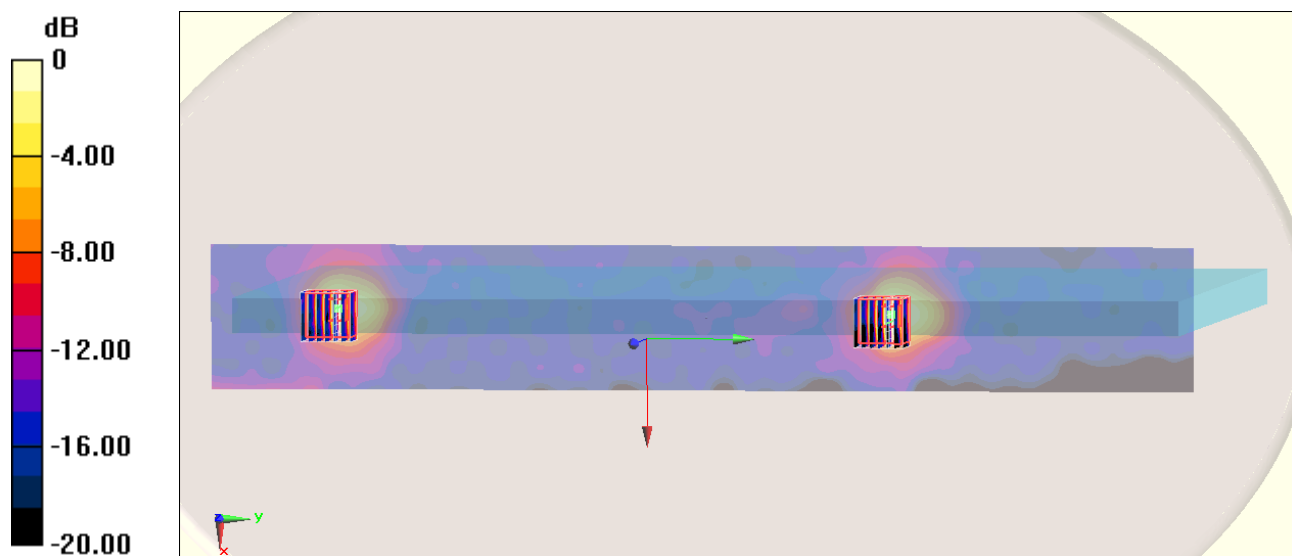
Configuration/Ch60/Zoom Scan (7x7x7)/Cube 1: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 2.391 V/m; Power Drift = -0.15 dB

Peak SAR (extrapolated) = 0.907 mW/g

SAR(1 g) = 0.241 mW/g; SAR(10 g) = 0.081 mW/g

Maximum value of SAR (measured) = 0.545 mW/g



0 dB = 0.545 mW/g = -5.27 dB mW/g

#31_WLAN5G_802.11a_Bottom Face_0cm_Ch140;Ant 0+1

DUT: 313102

Communication System: 802.11a; Frequency: 5700 MHz; Duty Cycle: 1:1

Medium: MSL_5G_130308 Medium parameters used: $f = 5700$ MHz; $\sigma = 5.971$ mho/m; $\epsilon_r = 46.657$; $\rho =$

1000 kg/m³

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3792; ConvF(3.72, 3.72, 3.72); Calibrated: 2012/6/21;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1338; Calibrated: 2012/6/12
- Phantom: ELI 4.0_Front; Type: QDOVA001BB; Serial: 1029
- Measurement SW: DASY52, Version 52.8 (3); SEMCAD X Version 14.6.5 (6469)

Configuration/Ch140/Area Scan (101x481x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.410 mW/g

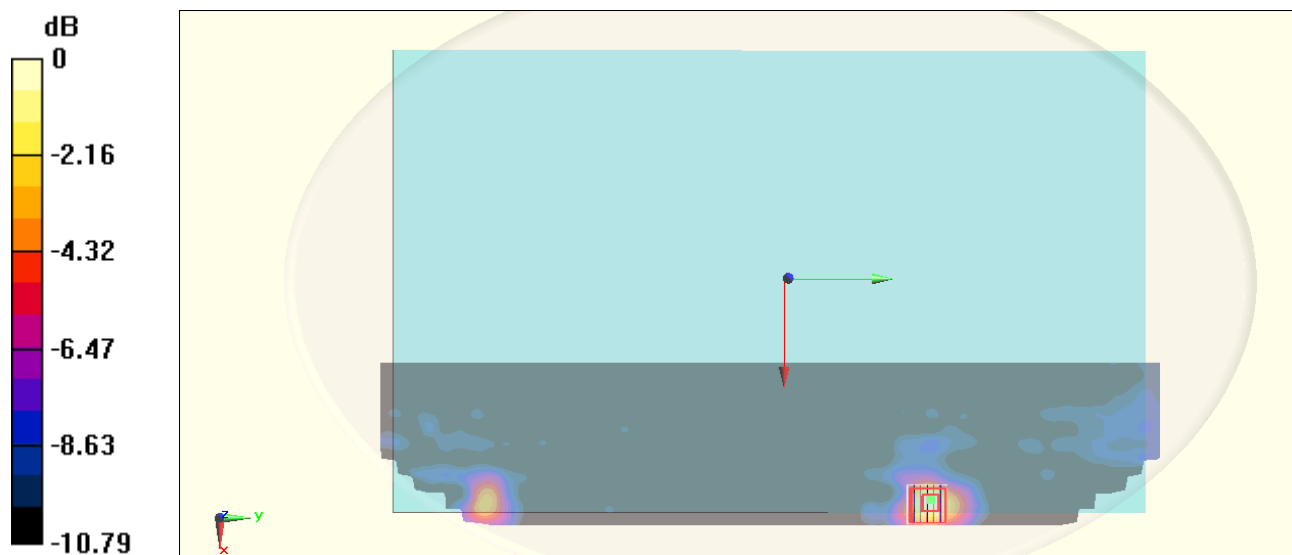
Configuration/Ch140/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 2.143 V/m; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 0.666 mW/g

SAR(1 g) = 0.217 mW/g; SAR(10 g) = 0.109 mW/g

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



0 dB = 0.414 mW/g = -7.66 dB mW/g

#32_WLAN5G_802.11a_Edge 1_0cm_Ch140;Ant 0+1

DUT: 313102

Communication System: 802.11a; Frequency: 5700 MHz; Duty Cycle: 1:1

Medium: MSL_5G_130308 Medium parameters used: $f = 5700$ MHz; $\sigma = 5.971$ mho/m; $\epsilon_r = 46.657$; $\rho =$

1000 kg/m³

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3792; ConvF(3.72, 3.72, 3.72); Calibrated: 2012/6/21;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1338; Calibrated: 2012/6/12
- Phantom: ELI 4.0_Front; Type: QDOVA001BB; Serial: 1029
- Measurement SW: DASY52, Version 52.8 (3); SEMCAD X Version 14.6.5 (6469)

Configuration/Ch140/Area Scan (71x481x1): Measurement grid: dx=10mm, dy=10mm
 Maximum value of SAR (interpolated) = 0.973 mW/g

Configuration/Ch140/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 1.122 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 1.954 mW/g

SAR(1 g) = 0.452 mW/g; SAR(10 g) = 0.133 mW/g

Maximum value of SAR (measured) = 1.08 mW/g

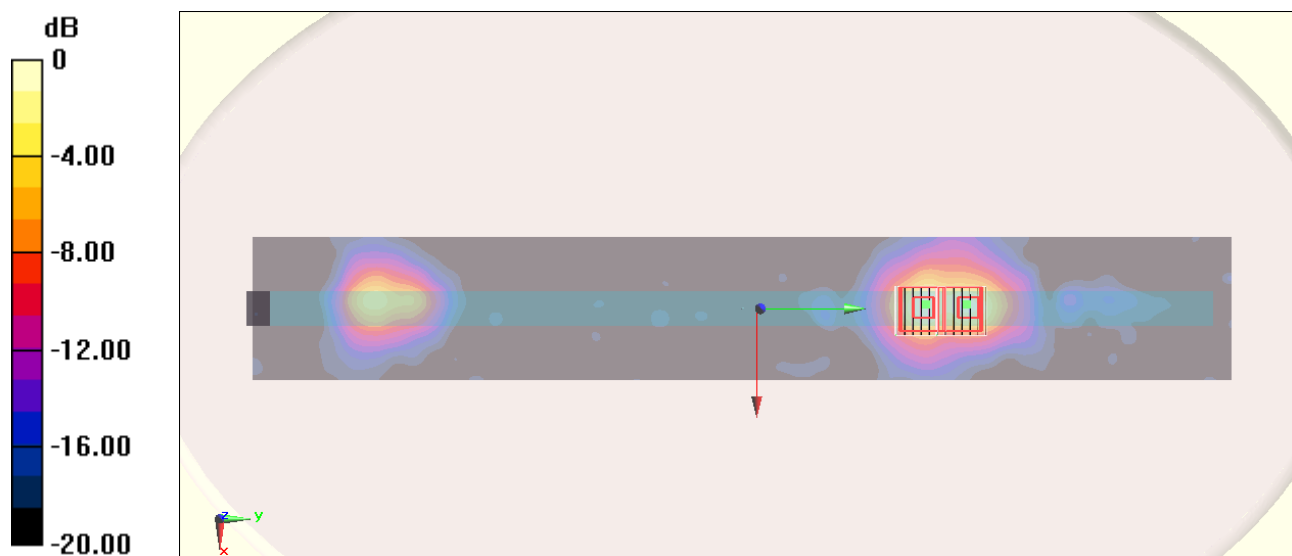
Configuration/Ch140/Zoom Scan (7x7x7)/Cube 1: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 1.122 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 1.567 mW/g

SAR(1 g) = 0.371 mW/g; SAR(10 g) = 0.119 mW/g

Maximum value of SAR (measured) = 0.913 mW/g



0 dB = 0.913 mW/g = -0.79 dB mW/g

#33_WLAN5G_802.11a_Edge 1_0cm_Ch100;Ant 0+1

DUT: 313102

Communication System: 802.11a; Frequency: 5500 MHz;Duty Cycle: 1:1

Medium: MSL_5G_130308 Medium parameters used: $f = 5500$ MHz; $\sigma = 5.658$ mho/m; $\epsilon_r = 47.024$; $\rho =$

1000 kg/m³

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3792; ConvF(3.81, 3.81, 3.81); Calibrated: 2012/6/21;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1338; Calibrated: 2012/6/12
- Phantom: ELI 4.0_Front; Type: QDOVA001BB; Serial: 1029
- Measurement SW: DASY52, Version 52.8 (3);SEMCAD X Version 14.6.5 (6469)

Configuration/Ch100/Area Scan (71x481x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 1.09 mW/g

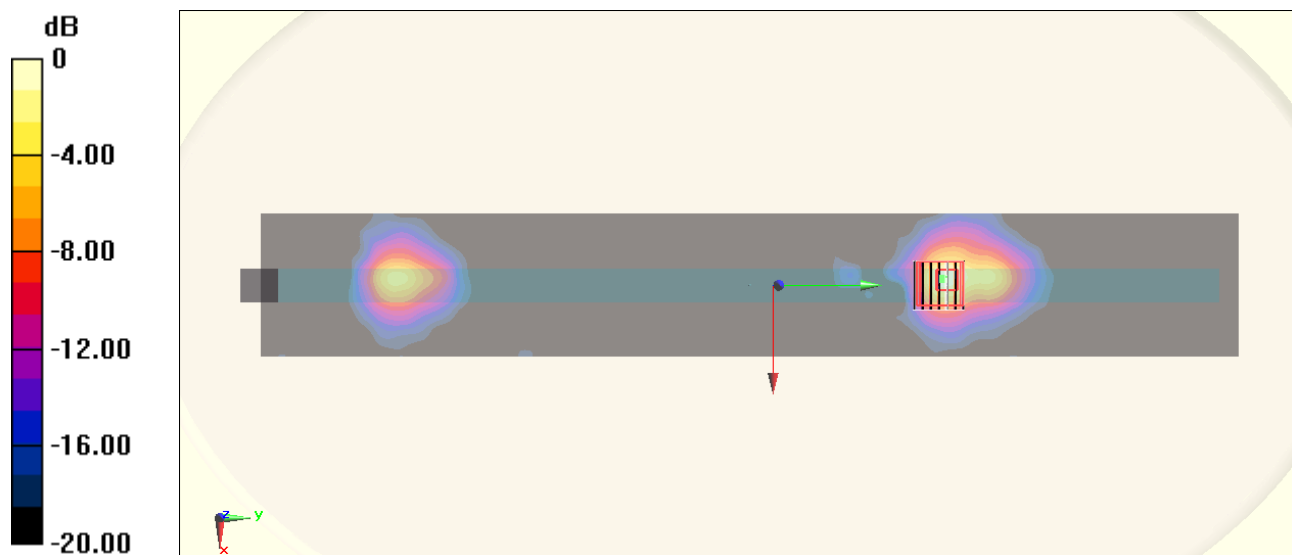
Configuration/Ch100/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 1.517 V/m; Power Drift = -0.15 dB

Peak SAR (extrapolated) = 1.958 mW/g

SAR(1 g) = 0.464 mW/g; SAR(10 g) = 0.125 mW/g

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



0 dB = 1.17 mW/g = 1.36 dB mW/g

#34_WLAN5G_802.11a_Edge 1_0cm_Ch116;Ant 0+1

DUT: 313102

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

Medium: MSL_5G_130308 Medium parameters used: $f = 5580$ MHz; $\sigma = 5.775$ mho/m; $\epsilon_r = 46.855$; $\rho =$

1000 kg/m³

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3792; ConvF(3.72, 3.72, 3.72); Calibrated: 2012/6/21;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1338; Calibrated: 2012/6/12
- Phantom: ELI 4.0_Front; Type: QDOVA001BB; Serial: 1029
- Measurement SW: DASY52, Version 52.8 (3); SEMCAD X Version 14.6.5 (6469)

Configuration/Ch116/Area Scan (71x481x1): Measurement grid: dx=10mm, dy=10mm

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

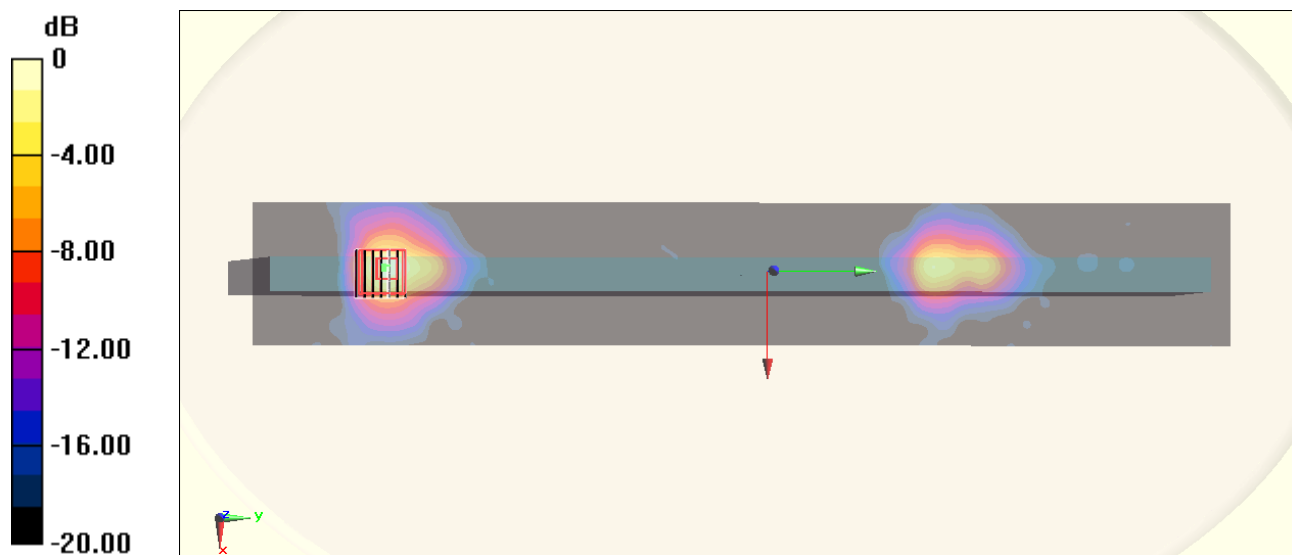
Configuration/Ch116/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 15.883 V/m; Power Drift = -0.17 dB

Peak SAR (extrapolated) = 1.871 mW/g

SAR(1 g) = 0.433 mW/g; SAR(10 g) = 0.125 mW/g

Maximum value of SAR (measured) = 1.08 mW/g



0 dB = 1.08 mW/g = 0.67 dB mW/g

#35_WLAN5G_802.11a_Bottom Face_0cm_Ch157;Ant 0+1

DUT: 313102

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

Medium: MSL_5G_130308 Medium parameters used : $f = 5785 \text{ MHz}$; $\sigma = 6.14 \text{ mho/m}$; $\epsilon_r = 46.539$; $\rho =$

1000 kg/m^3

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3792; ConvF(3.89, 3.89, 3.89); Calibrated: 2012/6/21;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1338; Calibrated: 2012/6/12
- Phantom: ELI 4.0_Front; Type: QDOVA001BB; Serial: 1029
- Measurement SW: DASY52, Version 52.8 (3); SEMCAD X Version 14.6.5 (6469)

Configuration/Ch157/Area Scan (101x481x1): Measurement grid: $dx=10\text{mm}$, $dy=10\text{mm}$
 Maximum value of SAR (interpolated) = 0.302 mW/g

Configuration/Ch157/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=4\text{mm}$, $dy=4\text{mm}$,
 $dz=1.4\text{mm}$

Reference Value = 1.640 V/m ; Power Drift = -0.16 dB

Peak SAR (extrapolated) = 0.501 mW/g

SAR(1 g) = 0.165 mW/g ; SAR(10 g) = 0.090 mW/g

Maximum value of SAR (measured) = 0.310 mW/g

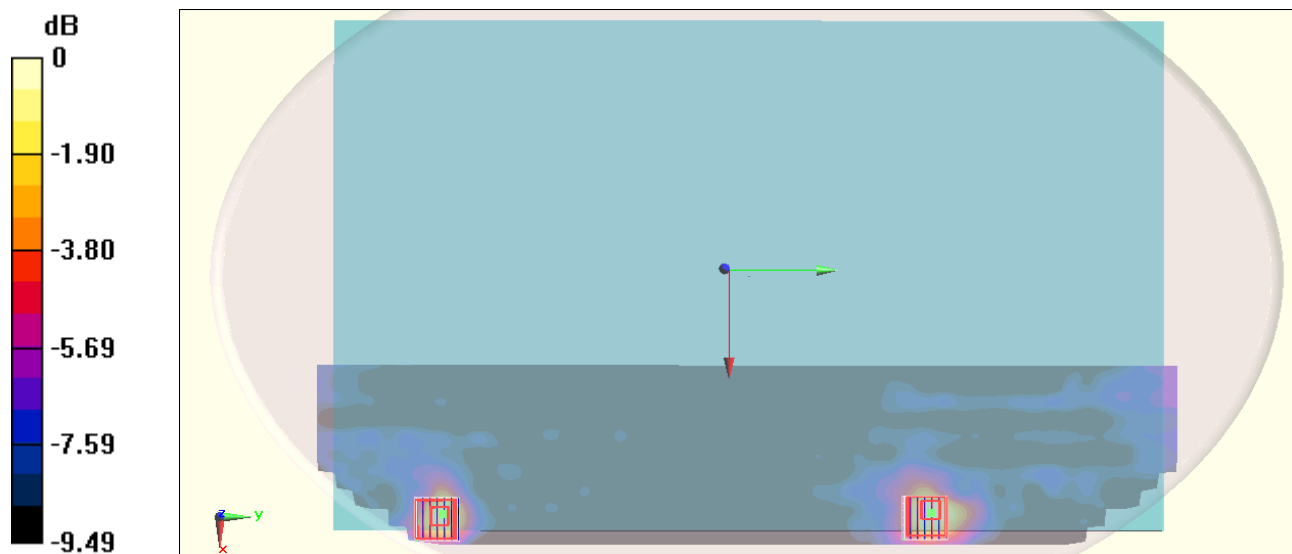
Configuration/Ch157/Zoom Scan (7x7x7)/Cube 1: Measurement grid: $dx=4\text{mm}$, $dy=4\text{mm}$,
 $dz=1.4\text{mm}$

Reference Value = 1.640 V/m ; Power Drift = -0.16 dB

Peak SAR (extrapolated) = 0.408 mW/g

SAR(1 g) = 0.138 mW/g ; SAR(10 g) = 0.076 mW/g

Maximum value of SAR (measured) = 0.262 mW/g



$0 \text{ dB} = 0.262 \text{ mW/g} = -11.63 \text{ dB mW/g}$

#36_WLAN5G_802.11a_Edge 1_0cm_Ch157;Ant 0+1

DUT: 313102

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

Medium: MSL_5G_130308 Medium parameters used : $f = 5785 \text{ MHz}$; $\sigma = 6.14 \text{ mho/m}$; $\epsilon_r = 46.539$; $\rho =$

1000 kg/m^3

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3792; ConvF(3.89, 3.89, 3.89); Calibrated: 2012/6/21;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1338; Calibrated: 2012/6/12
- Phantom: ELI 4.0_Front; Type: QDOVA001BB; Serial: 1029
- Measurement SW: DASY52, Version 52.8 (3); SEMCAD X Version 14.6.5 (6469)

Configuration/Ch157/Area Scan (71x481x1): Measurement grid: $dx=10\text{mm}$, $dy=10\text{mm}$
 Maximum value of SAR (interpolated) = 0.595 mW/g

Configuration/Ch157/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=4\text{mm}$, $dy=4\text{mm}$,
 $dz=1.4\text{mm}$

Reference Value = 12.184 V/m ; Power Drift = -0.06 dB

Peak SAR (extrapolated) = 1.083 mW/g

SAR(1 g) = 0.253 mW/g ; SAR(10 g) = 0.071 mW/g

Maximum value of SAR (measured) = 0.642 mW/g

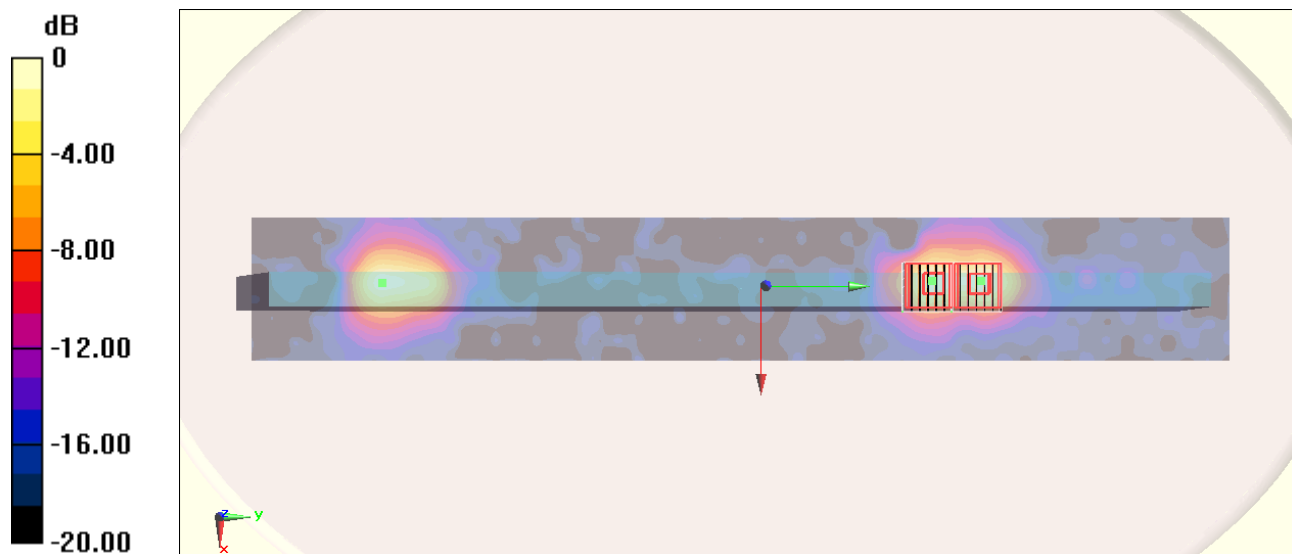
Configuration/Ch157/Zoom Scan (7x7x7)/Cube 1: Measurement grid: $dx=4\text{mm}$, $dy=4\text{mm}$,
 $dz=1.4\text{mm}$

Reference Value = 12.184 V/m ; Power Drift = -0.06 dB

Peak SAR (extrapolated) = 1.059 mW/g

SAR(1 g) = 0.238 mW/g ; SAR(10 g) = 0.073 mW/g

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



$0 \text{ dB} = 0.588 \text{ mW/g} = -4.61 \text{ dB mW/g}$

#37_WLAN5G_802.11n-HT40_Edge 1_0cm_Ch159;Ant 0+1

DUT: 313102

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

Medium: MSL_5G_130308 Medium parameters used : $f = 5795$ MHz; $\sigma = 6.148$ mho/m; $\epsilon_r = 46.495$; $\rho =$

1000 kg/m³

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3792; ConvF(3.89, 3.89, 3.89); Calibrated: 2012/6/21;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1338; Calibrated: 2012/6/12
- Phantom: ELI 4.0_Front; Type: QDOVA001BB; Serial: 1029
- Measurement SW: DASY52, Version 52.8 (3); SEMCAD X Version 14.6.5 (6469)

Configuration/Ch159/Area Scan (71x481x1): Measurement grid: dx=10mm, dy=10mm
 Maximum value of SAR (interpolated) = 0.693 mW/g

Configuration/Ch159/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 12.438 V/m; Power Drift = -0.11 dB

Peak SAR (extrapolated) = 1.110 mW/g

SAR(1 g) = 0.262 mW/g; SAR(10 g) = 0.079 mW/g

Maximum value of SAR (measured) = 0.667 mW/g

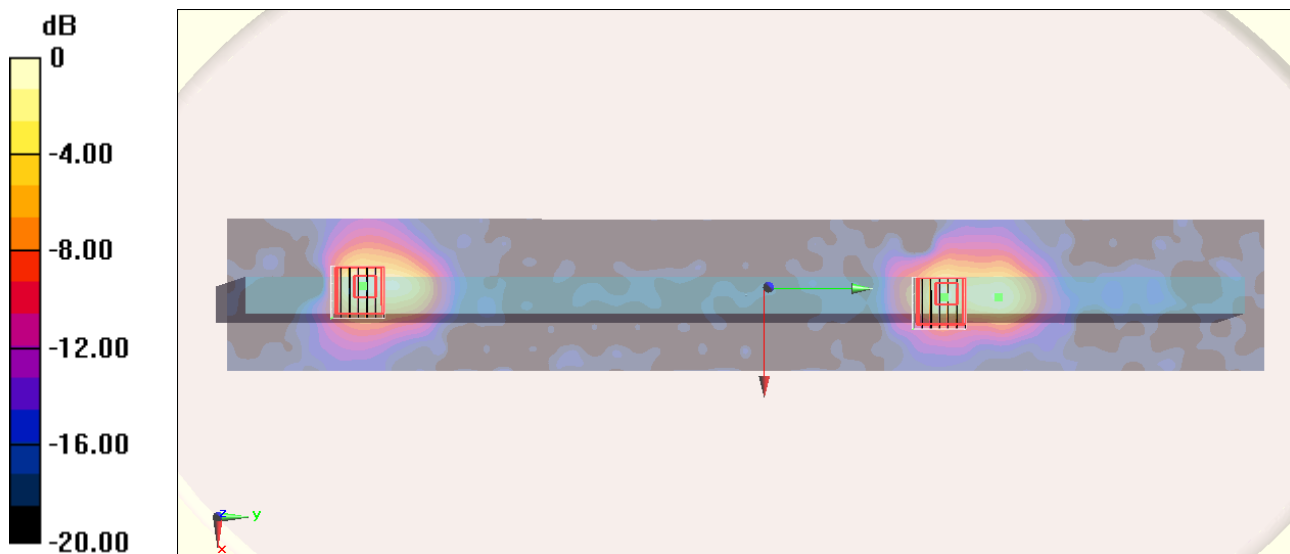
Configuration/Ch159/Zoom Scan (7x7x7)/Cube 1: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 12.438 V/m; Power Drift = -0.11 dB

Peak SAR (extrapolated) = 1.141 mW/g

SAR(1 g) = 0.257 mW/g; SAR(10 g) = 0.070 mW/g

Maximum value of SAR (measured) = 0.690 mW/g



0 dB = 0.690 mW/g = -3.22 dB mW/g