



Appendix B. Plots of SAR Measurement

The plots are shown as follows.

#124_GSM850_GPRS (2 Tx slots)_Bottom Face_1cm_Ch128**DUT: 12-4-138**

Communication System: GSM850; Frequency: 824.2 MHz; Duty Cycle: 1:4

Medium: MSL_850_130115 Medium parameters used: $f = 824.2$ MHz; $\sigma = 0.947$ mho/m; $\epsilon_r = 53.131$; ρ

$= 1000$ kg/m³

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3792; ConvF(8.99, 8.99, 8.99); Calibrated: 2012/6/21;
- Sensor-Surface: 2mm (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/Ch128/Area Scan (61x81x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 1.07 mW/g

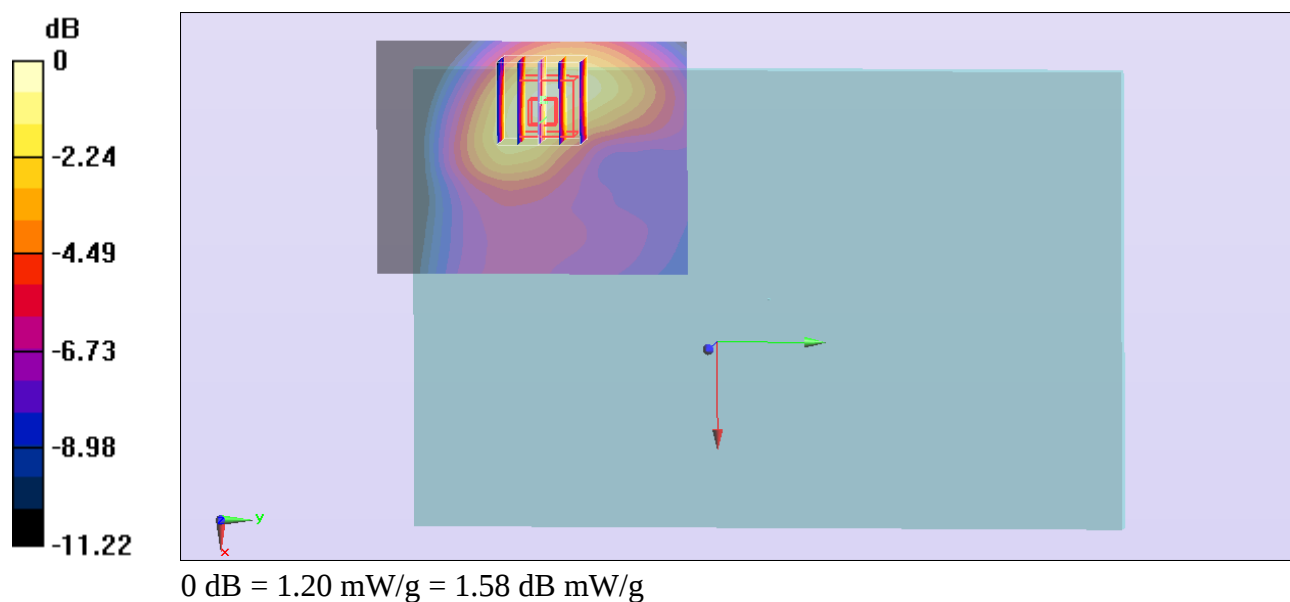
Configuration/Ch128/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 35.457 V/m; Power Drift = -0.06 dB

Peak SAR (extrapolated) = 1.427 mW/g

SAR(1 g) = 0.984 mW/g; SAR(10 g) = 0.658 mW/g

Maximum value of SAR (measured) = 1.20 mW/g



#125_GSM850_GPRS (2 Tx slots)_Bottom Face_1cm_Ch189**DUT: 12-4-138**

Communication System: GSM850; Frequency: 836.4 MHz; Duty Cycle: 1:4

Medium: MSL_850_130115 Medium parameters used: $f = 836.4$ MHz; $\sigma = 0.959$ mho/m; $\epsilon_r = 53.009$; ρ

$= 1000$ kg/m³

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3792; ConvF(8.99, 8.99, 8.99); Calibrated: 2012/6/21;
- Sensor-Surface: 2mm (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/Ch189/Area Scan (61x81x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 1.11 mW/g

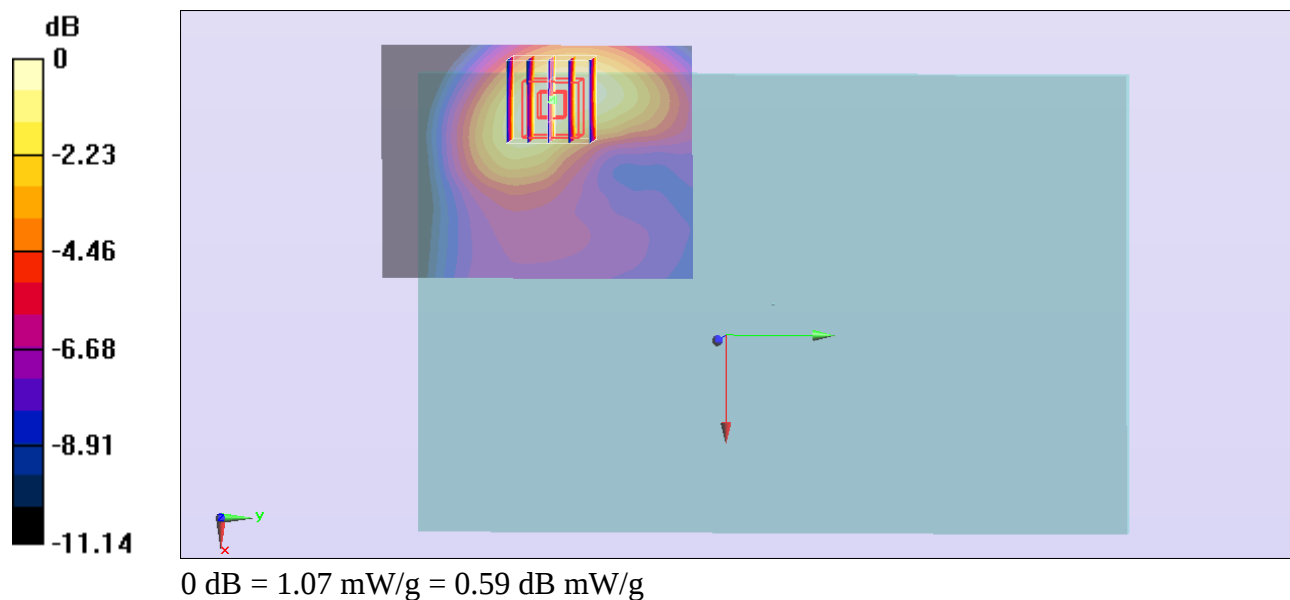
Configuration/Ch189/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 33.790 V/m; Power Drift = -0.15 dB

Peak SAR (extrapolated) = 1.201 mW/g

SAR(1 g) = 0.861 mW/g; SAR(10 g) = 0.570 mW/g

Maximum value of SAR (measured) = 1.07 mW/g



#126_GSM850_GPRS (2 Tx slots)_Bottom Face_1cm_Ch251**DUT: 12-4-138**

Communication System: GSM850; Frequency: 848.8 MHz; Duty Cycle: 1:4

Medium: MSL_850_130115 Medium parameters used: $f = 849$ MHz; $\sigma = 0.971$ mho/m; $\epsilon_r = 52.884$; $\rho =$

1000 kg/m^3

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3792; ConvF(8.99, 8.99, 8.99); Calibrated: 2012/6/21;
- Sensor-Surface: 2mm (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/Ch251/Area Scan (61x81x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Maximum value of SAR (interpolated) = 0.911 mW/g

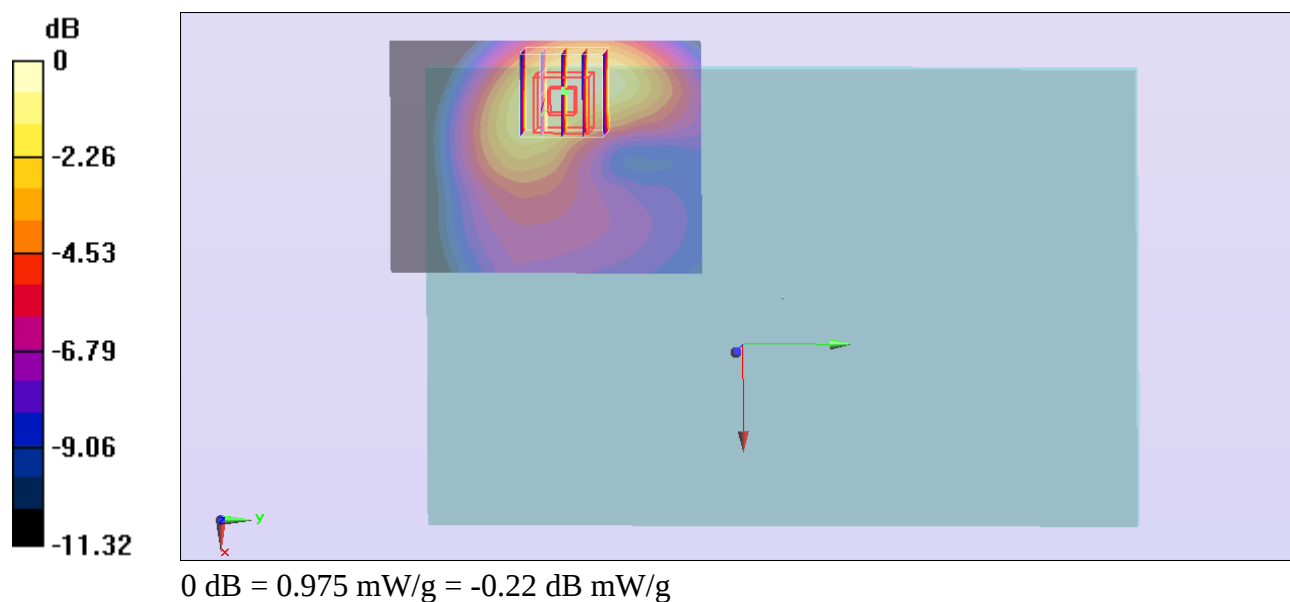
Configuration/Ch251/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 32.119 V/m ; Power Drift = 0.08 dB

Peak SAR (extrapolated) = 1.140 mW/g

SAR(1 g) = 0.796 mW/g ; SAR(10 g) = 0.538 mW/g

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



#127_ GSM850_GPRS (2 Tx slots)_Edge3_0.8cm_Ch128**DUT: 12-4-138**

Communication System: GSM850; Frequency: 824.2 MHz; Duty Cycle: 1:4

Medium: MSL_850_130115 Medium parameters used: $f = 824.2$ MHz; $\sigma = 0.947$ mho/m; $\epsilon_r = 53.131$; ρ

$= 1000$ kg/m³

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3792; ConvF(8.99, 8.99, 8.99); Calibrated: 2012/6/21;
- Sensor-Surface: 2mm (Mechanical Surface Detection), Sensor-Surface: 3mm (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/Ch128/Area Scan (41x91x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 1.05 mW/g

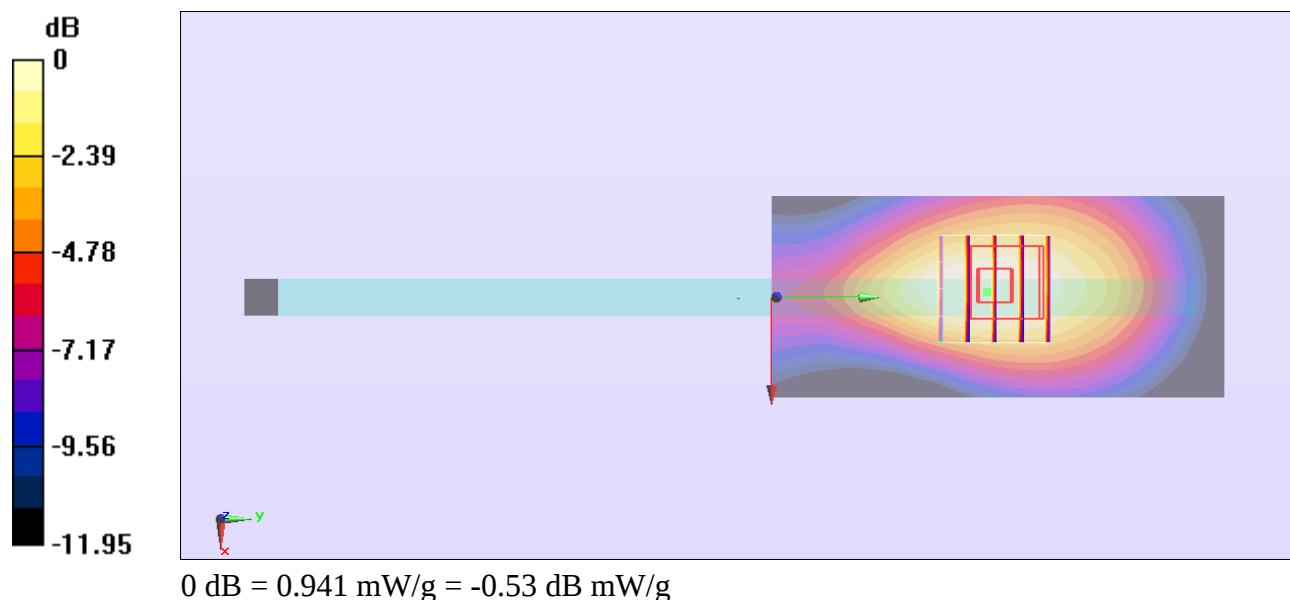
Configuration/Ch128/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 33.375 V/m; Power Drift = 0.00 dB

Peak SAR (extrapolated) = 1.207 mW/g

SAR(1 g) = 0.806 mW/g; SAR(10 g) = 0.533 mW/g

Maximum value of SAR (measured) = 0.941 mW/g



#128_ GSM850_GPRS (2 Tx slots)_Edge3_0.8cm_Ch189**DUT: 12-4-138**

Communication System: GSM850; Frequency: 836.4 MHz; Duty Cycle: 1:4

Medium: MSL_850_130115 Medium parameters used: $f = 836.4$ MHz; $\sigma = 0.959$ mho/m; $\epsilon_r = 53.009$; ρ

$= 1000$ kg/m³

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3792; ConvF(8.99, 8.99, 8.99); Calibrated: 2012/6/21;
- Sensor-Surface: 2mm (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/Ch189/Area Scan (41x91x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.654 mW/g

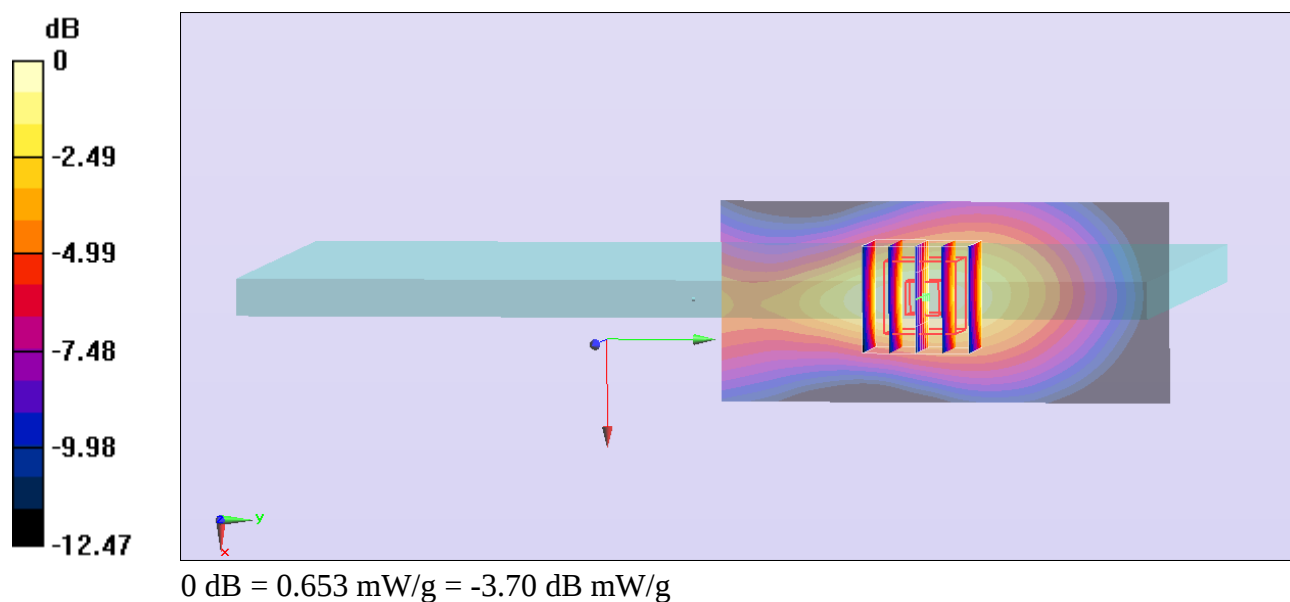
Configuration/Ch189/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 26.608 V/m; Power Drift = -0.09 dB

Peak SAR (extrapolated) = 0.802 mW/g

SAR(1 g) = 0.497 mW/g; SAR(10 g) = 0.306 mW/g

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



#129_ GSM850_GPRS (2 Tx slots)_Edge3_0.8cm_Ch251**DUT: 12-4-138**

Communication System: GSM850; Frequency: 848.8 MHz; Duty Cycle: 1:4

Medium: MSL_850_130115 Medium parameters used: $f = 849$ MHz; $\sigma = 0.971$ mho/m; $\epsilon_r = 52.884$; $\rho =$

1000 kg/m^3

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3792; ConvF(8.99, 8.99, 8.99); Calibrated: 2012/6/21;
- Sensor-Surface: 2mm (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/Ch251/Area Scan (41x91x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Maximum value of SAR (interpolated) = 0.594 mW/g

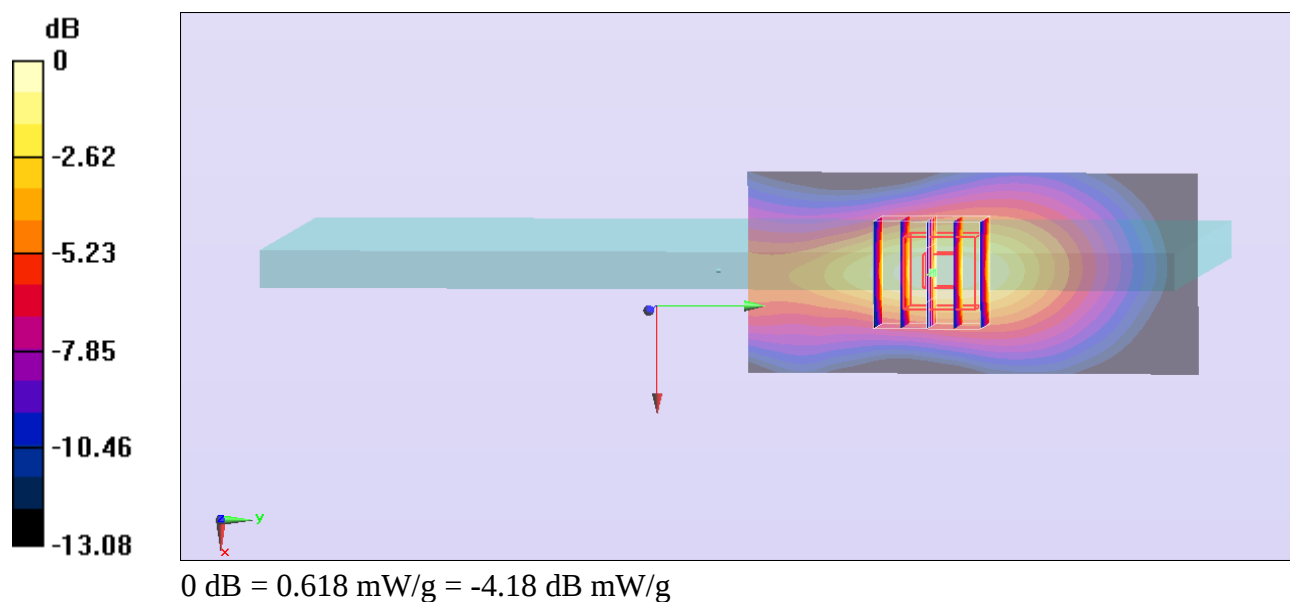
Configuration/Ch251/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 25.199 V/m ; Power Drift = 0.15 dB

Peak SAR (extrapolated) = 0.753 mW/g

SAR(1 g) = 0.472 mW/g ; SAR(10 g) = 0.287 mW/g

Maximum value of SAR (measured) = 0.618 mW/g



#130_ GSM850_GPRS (2 Tx slots)_Edge4_0cm_Ch128**DUT: 12-4-138**

Communication System: GSM850; Frequency: 824.2 MHz; Duty Cycle: 1:4.

Medium: MSL_850_130115 Medium parameters used: $f = 824.2$ MHz; $\sigma = 0.947$ mho/m; $\epsilon_r = 53.131$; ρ

$= 1000$ kg/m³

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3792; ConvF(8.99, 8.99, 8.99); Calibrated: 2012/6/21;
- Sensor-Surface: 2mm (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/Ch128/Area Scan (41x131x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.243 mW/g

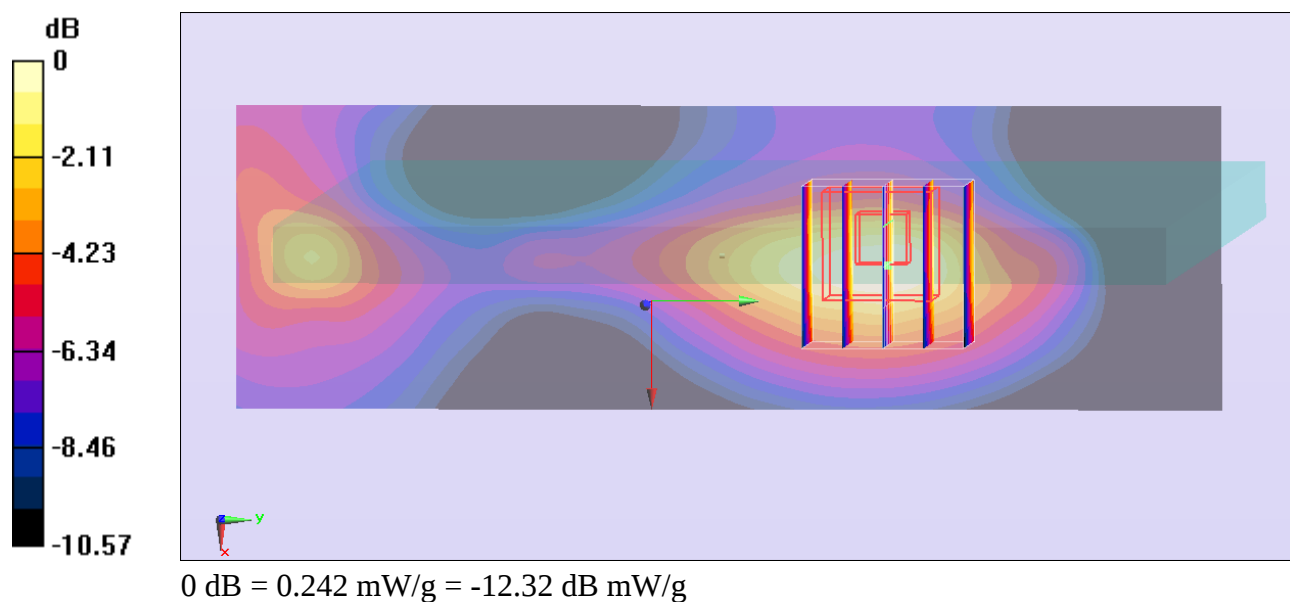
Configuration/Ch128/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 15.987 V/m; Power Drift = 0.16 dB

Peak SAR (extrapolated) = 0.301 mW/g

SAR(1 g) = 0.200 mW/g; SAR(10 g) = 0.133 mW/g

Maximum value of SAR (measured) = 0.242 mW/g



#131_GSM850_GPRS (2 Tx slots)_Bottom Face_0cm_Ch128**DUT: 12-4-138**

Communication System: GSM850; Frequency: 824.2 MHz; Duty Cycle: 1:4

Medium: MSL_850_130115 Medium parameters used: $f = 824.2$ MHz; $\sigma = 0.947$ mho/m; $\epsilon_r = 53.131$; ρ

$= 1000$ kg/m³

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3792; ConvF(8.99, 8.99, 8.99); Calibrated: 2012/6/21;
- Sensor-Surface: 2mm (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/Ch128/Area Scan (61x81x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 1.54 mW/g

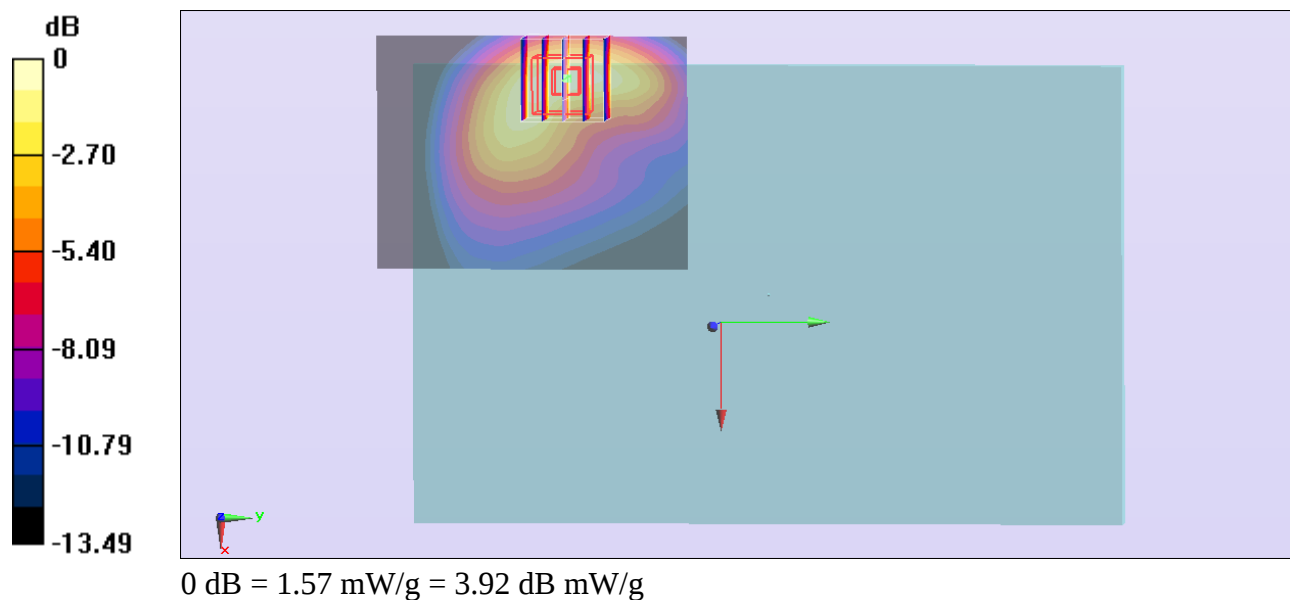
Configuration/Ch128/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 42.068 V/m; Power Drift = -0.19 dB

Peak SAR (extrapolated) = 2.032 mW/g

SAR(1 g) = 1.15 mW/g; SAR(10 g) = 0.669 mW/g

Maximum value of SAR (measured) = 1.57 mW/g



#132_GSM850_GPRS (2 Tx slots)_Bottom Face_0cm_Ch189**DUT: 12-4-138**

Communication System: GSM850; Frequency: 836.4 MHz; Duty Cycle: 1:4

Medium: MSL_850_130115 Medium parameters used: $f = 836.4$ MHz; $\sigma = 0.959$ mho/m; $\epsilon_r = 53.009$; ρ

$= 1000$ kg/m³

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3792; ConvF(8.99, 8.99, 8.99); Calibrated: 2012/6/21;
- Sensor-Surface: 2mm (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/Ch189/Area Scan (61x91x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 1.54 mW/g

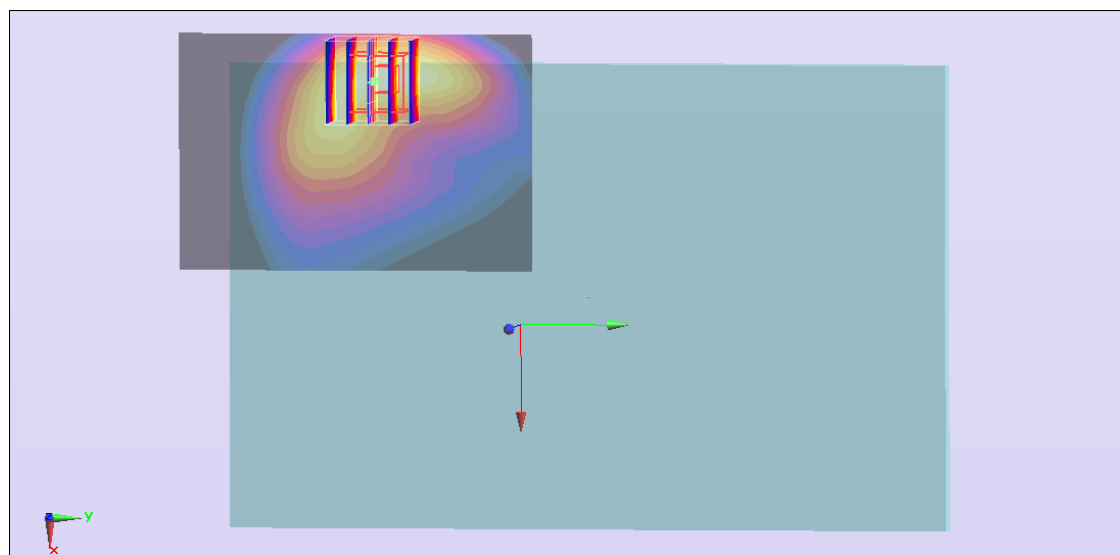
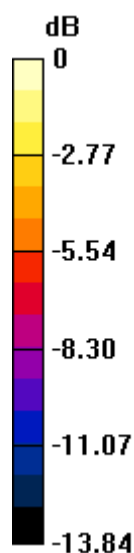
Configuration/Ch189/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 41.881 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 2.077 mW/g

SAR(1 g) = 1.15 mW/g; SAR(10 g) = 0.666 mW/g

Maximum value of SAR (measured) = 1.65 mW/g



0 dB = 1.65 mW/g = 4.35 dB mW/g

#133_GSM850_GPRS (2 Tx slots)_Bottom Face_0cm_Ch251**DUT: 12-4-138**

Communication System: GSM850; Frequency: 848.8 MHz; Duty Cycle: 1:4

Medium: MSL_850_130115 Medium parameters used: $f = 849$ MHz; $\sigma = 0.971$ mho/m; $\epsilon_r = 52.884$; $\rho =$

1000 kg/m^3

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3792; ConvF(8.99, 8.99, 8.99); Calibrated: 2012/6/21;
- Sensor-Surface: 2mm (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/Ch251/Area Scan (61x91x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Maximum value of SAR (interpolated) = 1.55 mW/g

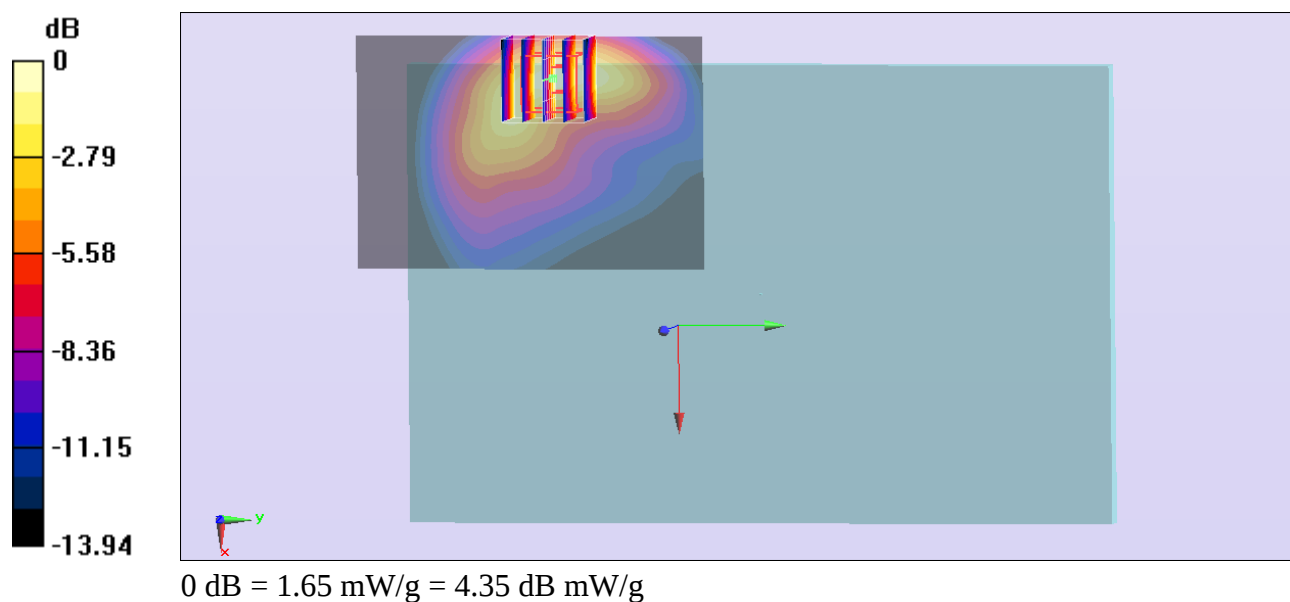
Configuration/Ch251/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 42.474 V/m ; Power Drift = -0.19 dB

Peak SAR (extrapolated) = 2.161 mW/g

SAR(1 g) = 1.19 mW/g ; SAR(10 g) = 0.678 mW/g

Maximum value of SAR (measured) = 1.65 mW/g



#134_ GSM850_GPRS (2 Tx slots)_Edge3_0cm_Ch128**DUT: 12-4-138**

Communication System: GSM850; Frequency: 824.2 MHz; Duty Cycle: 1:4

Medium: MSL_850_130115 Medium parameters used: $f = 824.2$ MHz; $\sigma = 0.947$ mho/m; $\epsilon_r = 53.131$; ρ

$= 1000$ kg/m³

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3792; ConvF(8.99, 8.99, 8.99); Calibrated: 2012/6/21;
- Sensor-Surface: 2mm (Mechanical Surface Detection), Sensor-Surface: 3mm (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/Ch128/Area Scan (41x111x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.780 mW/g

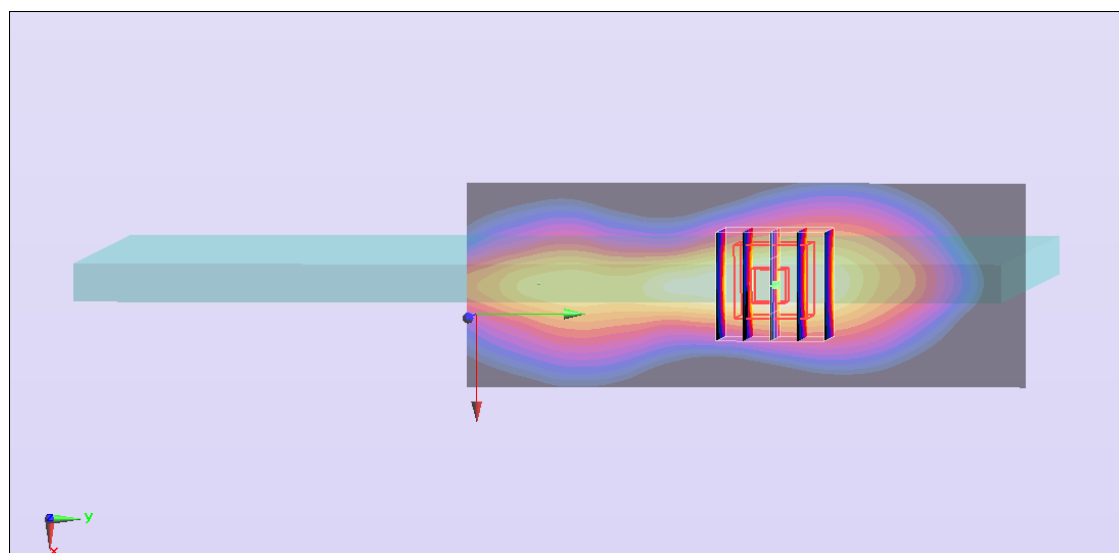
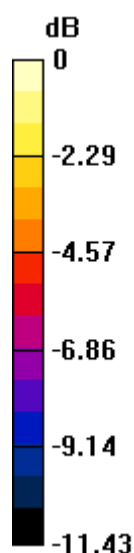
Configuration/Ch128/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 29.416 V/m; Power Drift = -0.13 dB

Peak SAR (extrapolated) = 0.929 mW/g

SAR(1 g) = 0.532 mW/g; SAR(10 g) = 0.305 mW/g

Maximum value of SAR (measured) = 0.663 mW/g



0 dB = 0.663 mW/g = -3.57 dB mW/g

#135_ GSM850_GPRS (2 Tx slots)_Bottom Face_0cm_Ch128;Curve**DUT: 12-4-138**

Communication System: GSM850; Frequency: 824.2 MHz; Duty Cycle: 1:4

Medium: MSL_850_130115 Medium parameters used: $f = 824.2$ MHz; $\sigma = 0.947$ mho/m; $\epsilon_r = 53.131$; ρ

$= 1000$ kg/m³

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3792; ConvF(8.99, 8.99, 8.99); Calibrated: 2012/6/21;
- Sensor-Surface: 2mm (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/Ch128/Area Scan (61x81x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 1.60 mW/g

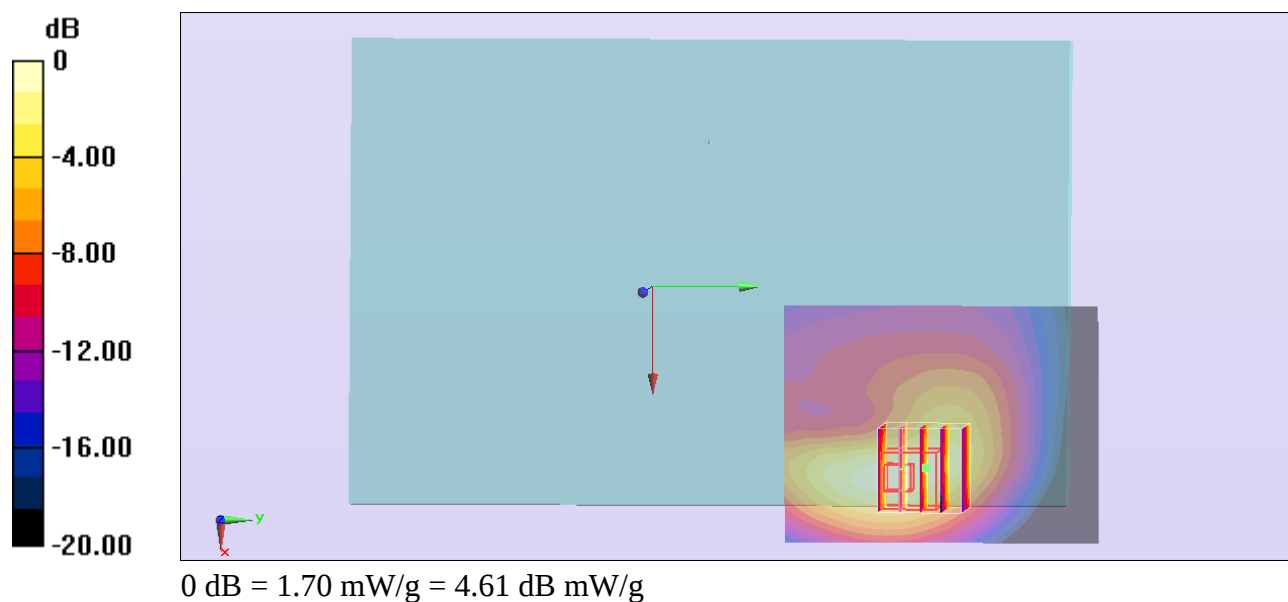
Configuration/Ch128/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 7.077 V/m; Power Drift = -0.13 dB

Peak SAR (extrapolated) = 2.403 mW/g

SAR(1 g) = 1.27 mW/g; SAR(10 g) = 0.683 mW/g

Maximum value of SAR (measured) = 1.70 mW/g



#138_ GSM850_GPRS (2 Tx slots)_Bottom Face_0cm_Ch128;Curve**DUT: 12-4-138**

Communication System: GSM850; Frequency: 824.2 MHz; Duty Cycle: 1:4

Medium: MSL_850_130115 Medium parameters used: $f = 824.2$ MHz; $\sigma = 0.947$ mho/m; $\epsilon_r = 53.131$; ρ

$= 1000$ kg/m³

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3792; ConvF(8.99, 8.99, 8.99); Calibrated: 2012/6/21;
- Sensor-Surface: 2mm (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/Ch128/Area Scan (61x81x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 1.65 mW/g

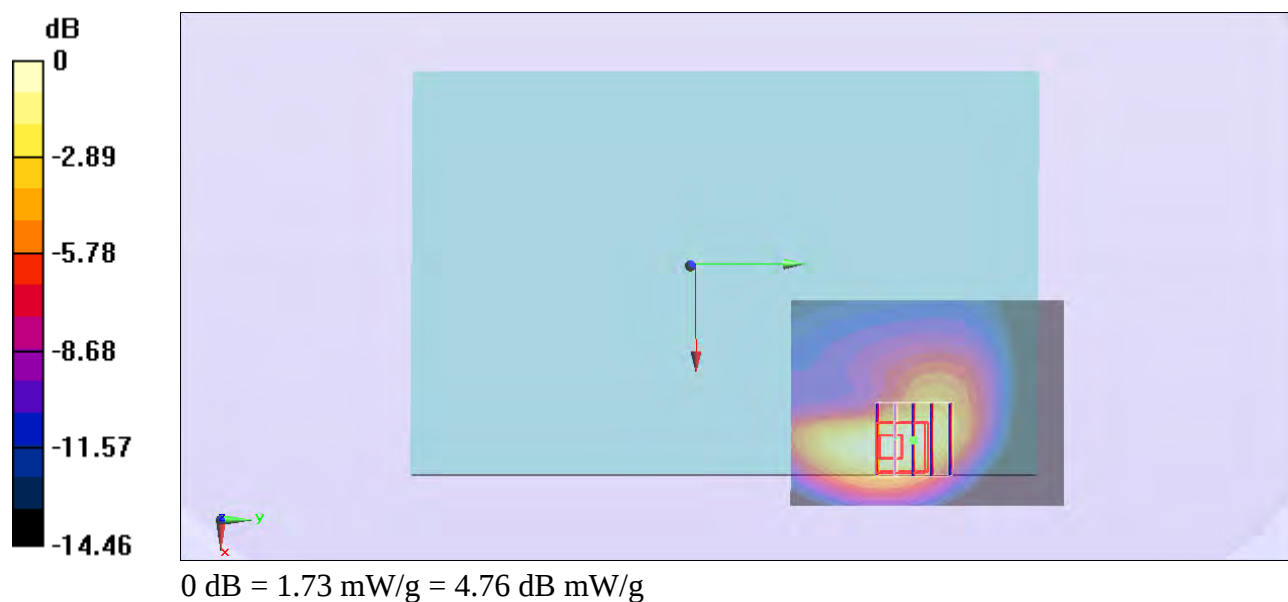
Configuration/Ch128/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 43.424 V/m; Power Drift = -0.08 dB

Peak SAR (extrapolated) = 2.371 mW/g

SAR(1 g) = 1.26 mW/g; SAR(10 g) = 0.687 mW/g

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



#136_ GSM850_GPRS (2 Tx slots)_Bottom Face_0cm_Ch189;Curve**DUT: 12-4-138**

Communication System: GSM850; Frequency: 836.4 MHz; Duty Cycle: 1:4

Medium: MSL_850_130115 Medium parameters used: $f = 836.4$ MHz; $\sigma = 0.959$ mho/m; $\epsilon_r = 53.009$; ρ

$= 1000$ kg/m³

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3792; ConvF(8.99, 8.99, 8.99); Calibrated: 2012/6/21;
- Sensor-Surface: 2mm (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/Ch189/Area Scan (61x81x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 1.50 mW/g

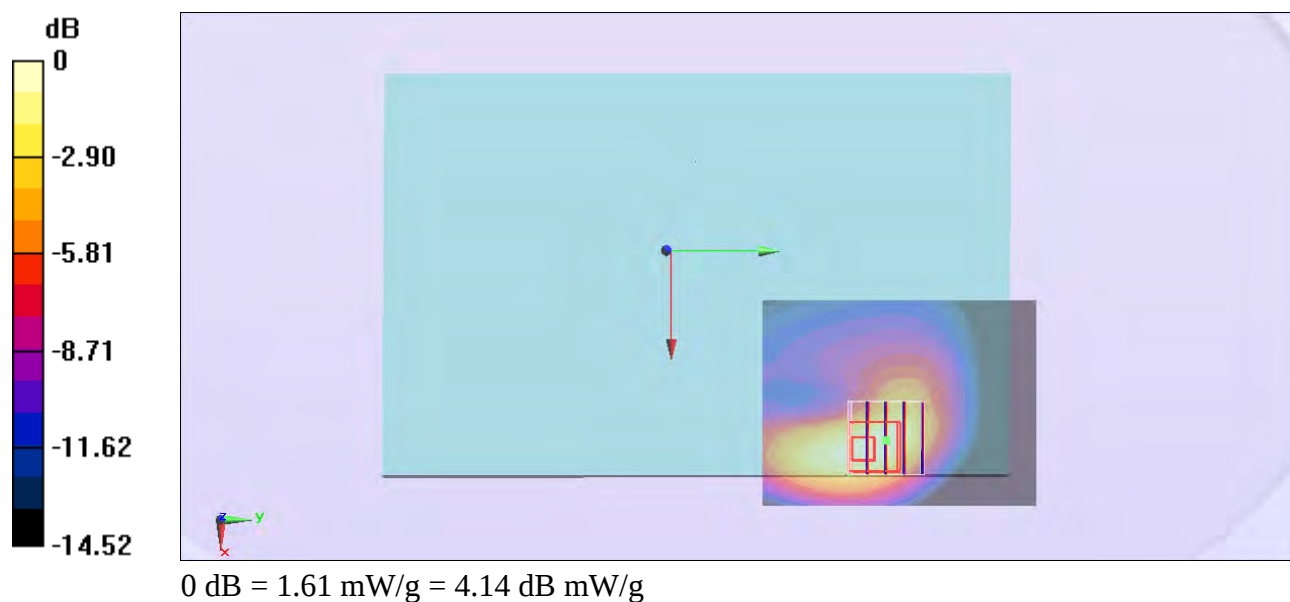
Configuration/Ch189/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 41.520 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 2.274 mW/g

SAR(1 g) = 1.21 mW/g; SAR(10 g) = 0.650 mW/g

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



#137_ GSM850_GPRS (2 Tx slots)_Bottom Face_0cm_Ch251;Curve**DUT: 12-4-138**

Communication System: GSM850; Frequency: 848.8 MHz; Duty Cycle: 1:4

Medium: MSL_850_130115 Medium parameters used: $f = 849$ MHz; $\sigma = 0.971$ mho/m; $\epsilon_r = 52.884$; $\rho =$

1000 kg/m^3

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3792; ConvF(8.99, 8.99, 8.99); Calibrated: 2012/6/21;
- Sensor-Surface: 2mm (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/Ch251/Area Scan (61x81x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Maximum value of SAR (interpolated) = 1.56 mW/g

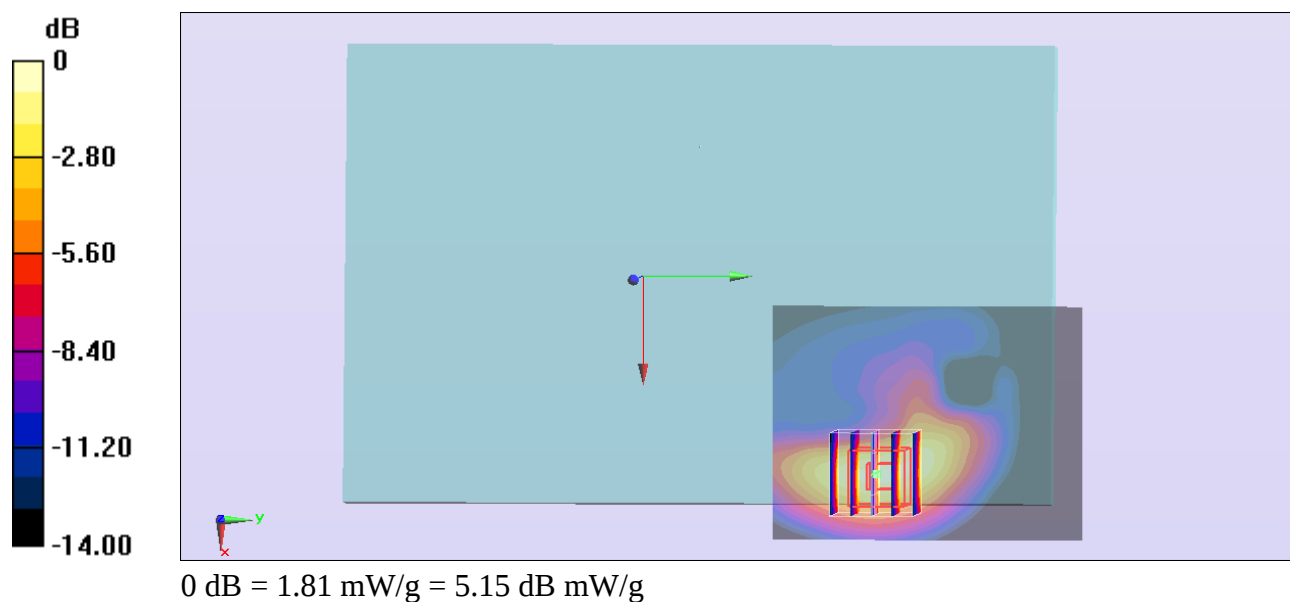
Configuration/Ch251/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 44.102 V/m ; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 2.355 mW/g

SAR(1 g) = 1.24 mW/g ; SAR(10 g) = 0.677 mW/g

Maximum value of SAR (measured) = 1.81 mW/g



#50_GSM1900_GPRS (2 Tx slots)_Bottom Face_1cm_Ch512**DUT: 12-4-138**

Communication System: PCS; Frequency: 1850.2 MHz; Duty Cycle: 1:4

Medium: MSL_1900_130114 Medium parameters used: $f = 1850.2$ MHz; $\sigma = 1.476$ mho/m; $\epsilon_r = 53.853$;

$\rho = 1000$ kg/m³

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3792; ConvF(7.29, 7.29, 7.29); Calibrated: 2012/6/21;
- Sensor-Surface: 2mm (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/Ch512/Area Scan (61x81x1): Measurement grid: dx=15mm, dy=15mm

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

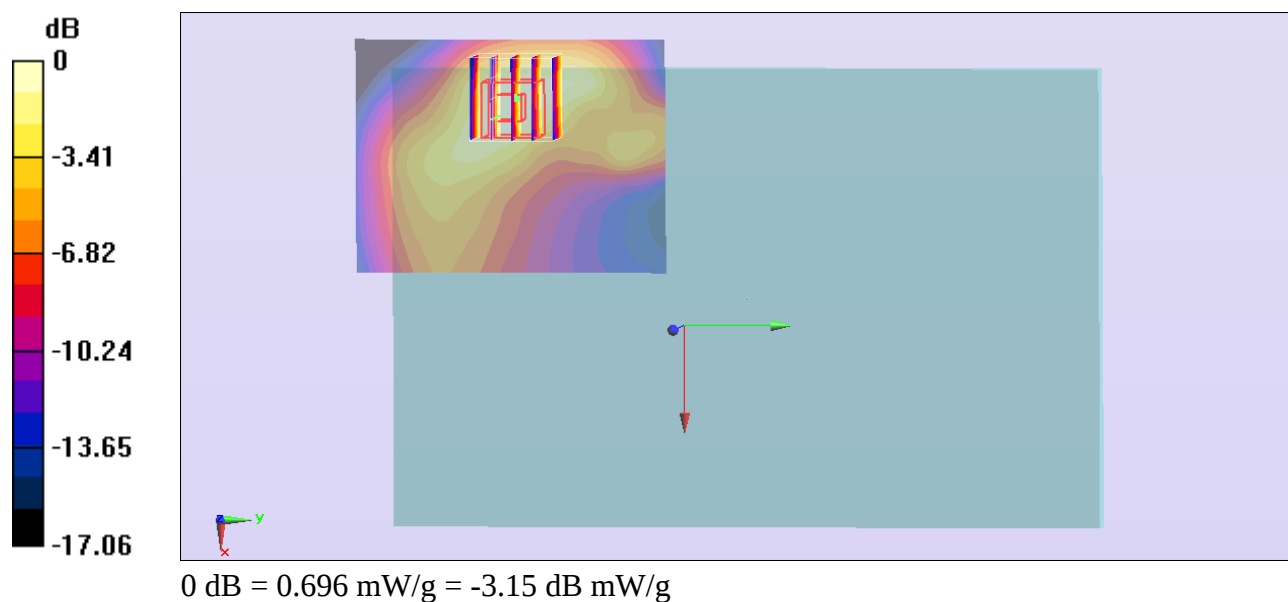
Configuration/Ch512/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 21.973 V/m; Power Drift = -0.11 dB

Peak SAR (extrapolated) = 0.870 mW/g

SAR(1 g) = 0.543 mW/g; SAR(10 g) = 0.325 mW/g

Maximum value of SAR (measured) = 0.696 mW/g



#51_GSM1900_GPRS (2 Tx slots)_Edge3_0.8cm_Ch512**DUT: 12-4-138**

Communication System: PCS; Frequency: 1850.2 MHz; Duty Cycle: 1:4

Medium: MSL_1900_130114 Medium parameters used: $f = 1850.2$ MHz; $\sigma = 1.476$ mho/m; $\epsilon_r = 53.853$;

$\rho = 1000$ kg/m³

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3792; ConvF(7.29, 7.29, 7.29); Calibrated: 2012/6/21;
- Sensor-Surface: 2mm (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/Ch512/Area Scan (41x91x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.908 mW/g

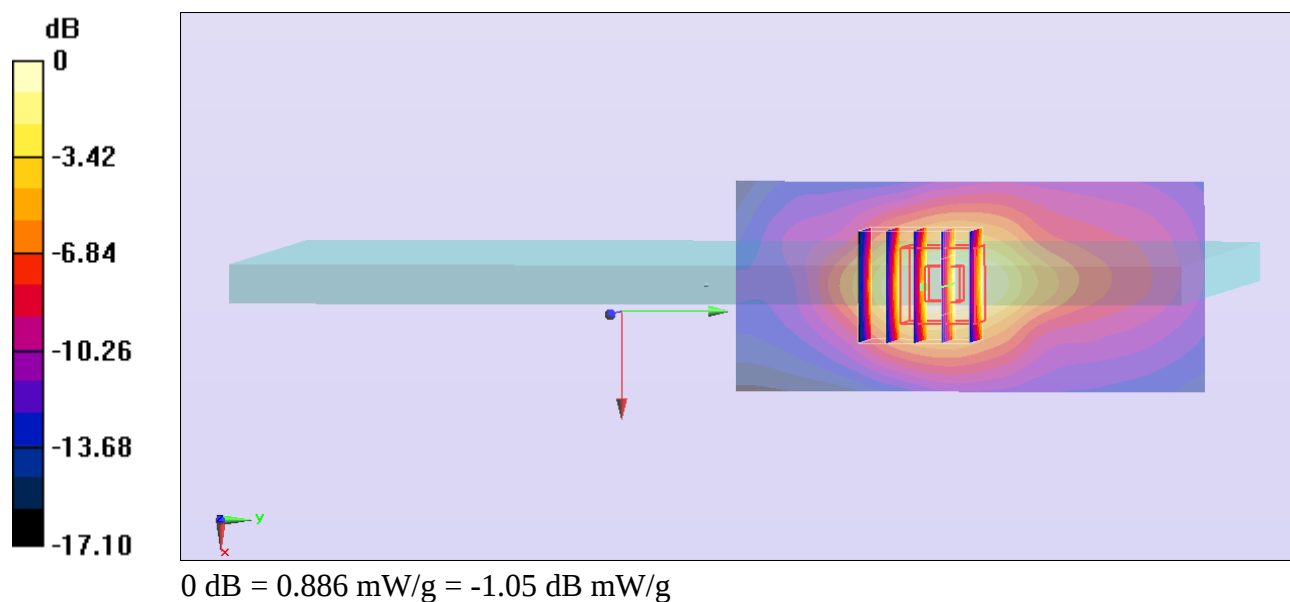
Configuration/Ch512/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 24.330 V/m; Power Drift = 0.00 dB

Peak SAR (extrapolated) = 1.095 mW/g

SAR(1 g) = 0.664 mW/g; SAR(10 g) = 0.375 mW/g

Maximum value of SAR (measured) = 0.886 mW/g



#52_GSM1900_GPRS (2 Tx slots)_Edge4_0cm_Ch512**DUT: 12-4-138**

Communication System: PCS; Frequency: 1850.2 MHz; Duty Cycle: 1:4

Medium: MSL_1900_130114 Medium parameters used: $f = 1850.2$ MHz; $\sigma = 1.476$ mho/m; $\epsilon_r = 53.853$;

$\rho = 1000$ kg/m³

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3792; ConvF(7.29, 7.29, 7.29); Calibrated: 2012/6/21;
- Sensor-Surface: 2mm (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/Ch512/Area Scan (41x131x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.671 mW/g

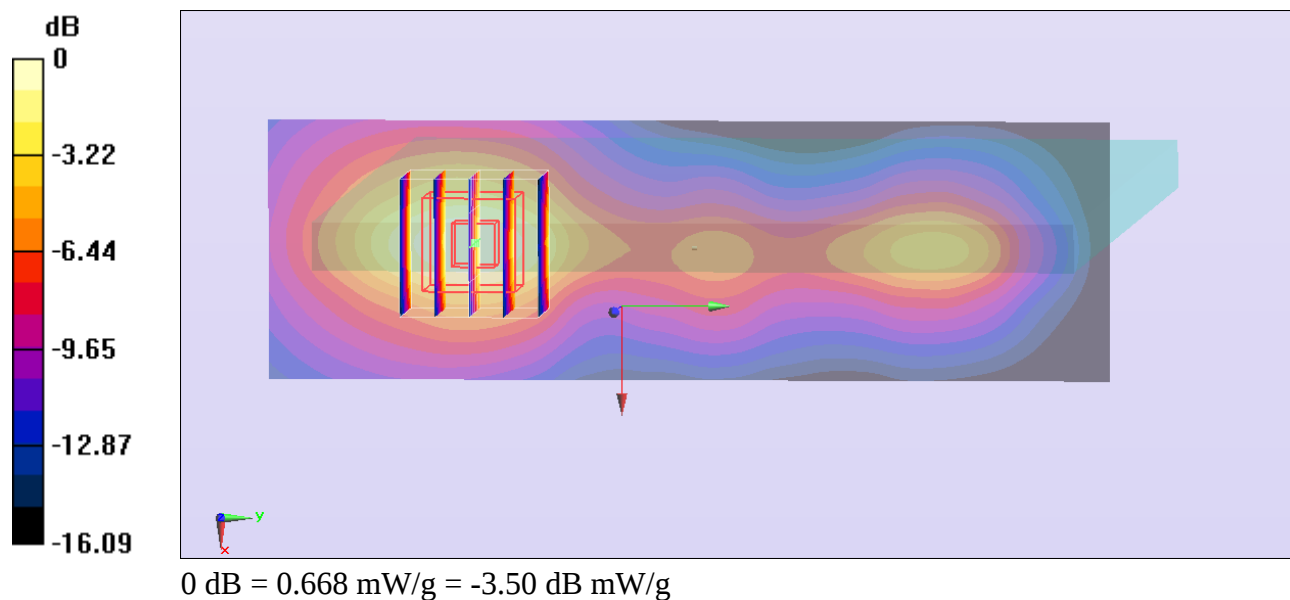
Configuration/Ch512/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 21.695 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 0.821 mW/g

SAR(1 g) = 0.490 mW/g; SAR(10 g) = 0.273 mW/g

Maximum value of SAR (measured) = 0.668 mW/g



#53_GSM1900_GPRS (2 Tx slots)_Bottom Face_0cm_Ch512**DUT: 12-4-138**

Communication System: PCS; Frequency: 1850.2 MHz; Duty Cycle: 1:4

Medium: MSL_1900_130114 Medium parameters used: $f = 1850.2$ MHz; $\sigma = 1.476$ mho/m; $\epsilon_r = 53.853$;

$\rho = 1000$ kg/m³

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3792; ConvF(7.29, 7.29, 7.29); Calibrated: 2012/6/21;
- Sensor-Surface: 2mm (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/Ch512/Area Scan (61x81x1): Measurement grid: dx=15mm, dy=15mm

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

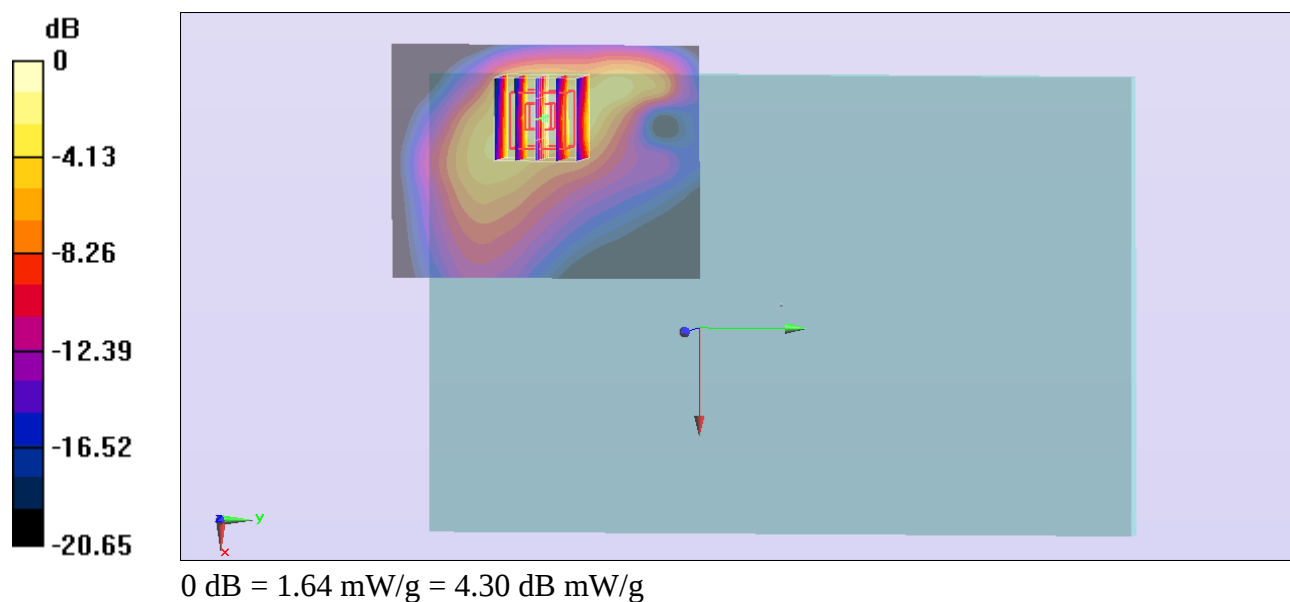
Configuration/Ch512/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 34.800 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 2.314 mW/g

SAR(1 g) = 1.18 mW/g; SAR(10 g) = 0.577 mW/g

Maximum value of SAR (measured) = 1.64 mW/g



#54_GSM1900_GPRS (2 Tx slots)_Bottom Face_0cm_Ch661**DUT: 12-4-138**

Communication System: PCS; Frequency: 1880 MHz; Duty Cycle: 1:4

Medium: MSL_1900_130114 Medium parameters used: $f = 1880$ MHz; $\sigma = 1.5$ mho/m; $\epsilon_r = 53.744$; $\rho =$

1000 kg/m^3

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3792; ConvF(7.29, 7.29, 7.29); Calibrated: 2012/6/21;
- Sensor-Surface: 2mm (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/Ch661/Area Scan (61x81x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Maximum value of SAR (interpolated) = 1.65 mW/g

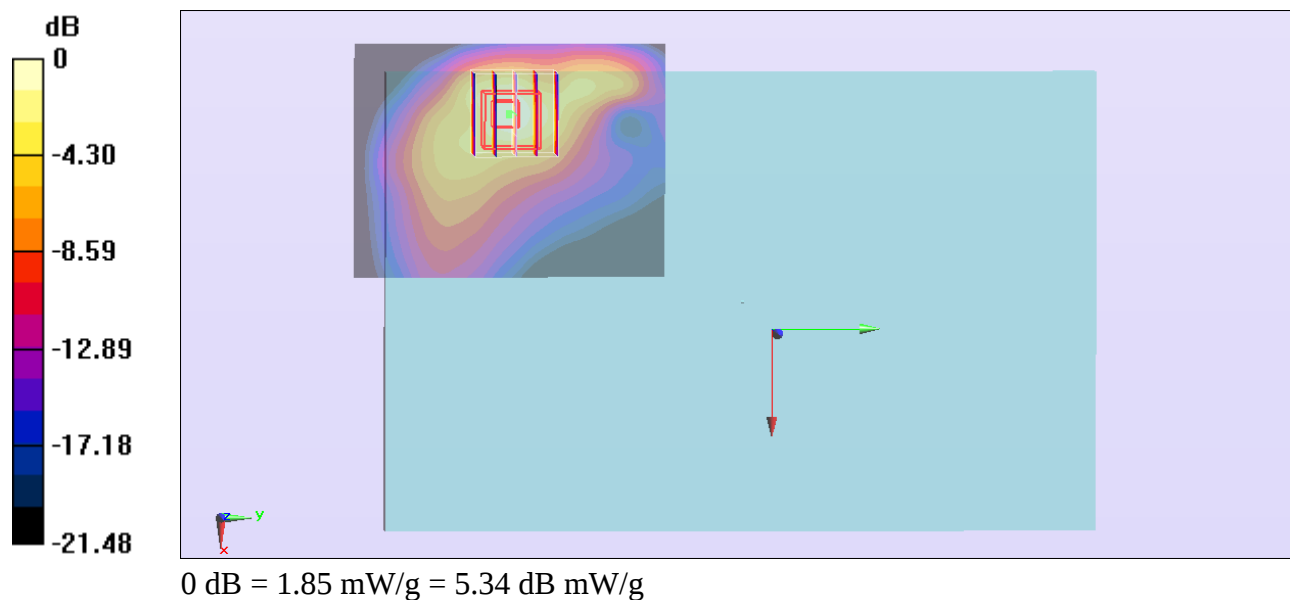
Configuration/Ch661/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 36.740 V/m ; Power Drift = -0.13 dB

Peak SAR (extrapolated) = 2.566 mW/g

SAR(1 g) = 1.29 mW/g ; SAR(10 g) = 0.628 mW/g

Maximum value of SAR (measured) = 1.85 mW/g



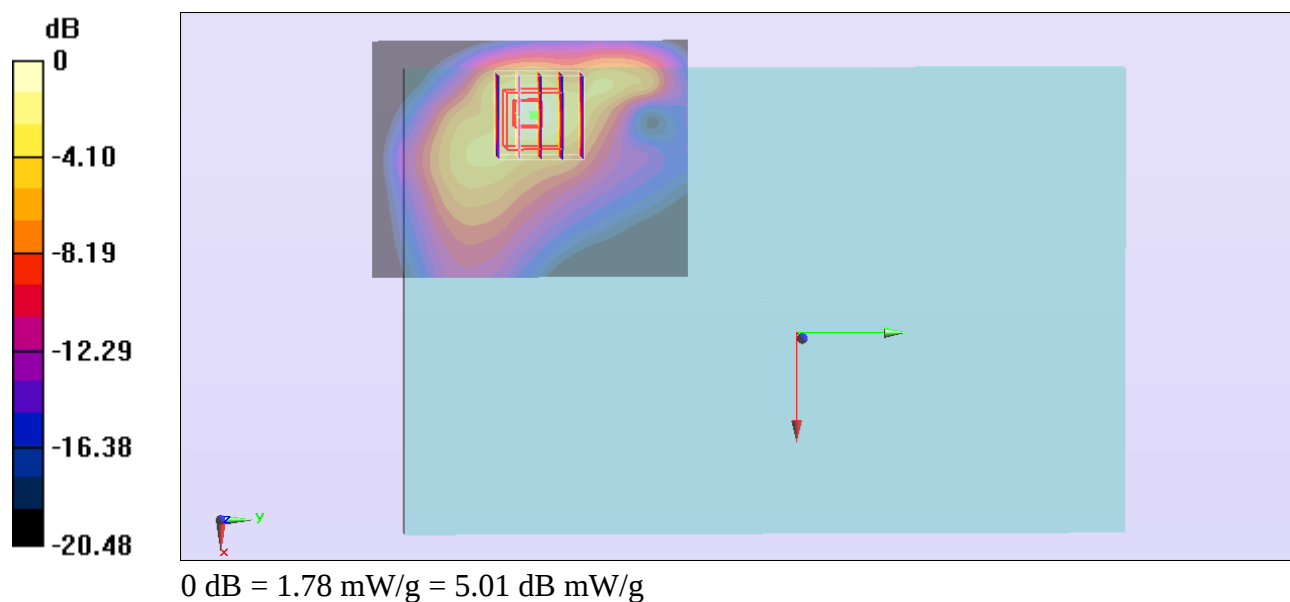
#60_GSM1900_GPRS (2 Tx slots)_Bottom Face_0cm_Ch661_Repeat**DUT: 12-4-138**

Communication System: PCS; Frequency: 1880 MHz; Duty Cycle: 1:4

Medium: MSL_1900_130114 Medium parameters used: $f = 1880$ MHz; $\sigma = 1.5$ mho/m; $\epsilon_r = 53.744$; $\rho =$ 1000 kg/m^3 Ambient Temperature : 22.2°C ; Liquid Temperature : 21.2°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3792; ConvF(7.29, 7.29, 7.29); Calibrated: 2012/6/21;
- Sensor-Surface: 2mm (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/Ch661/Area Scan (61x81x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$ Maximum value of SAR (interpolated) = 1.67 mW/g **Configuration/Ch661/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$ Reference Value = 35.906 V/m ; Power Drift = -0.06 dB Peak SAR (extrapolated) = 2.534 mW/g **SAR(1 g) = 1.26 mW/g ; SAR(10 g) = 0.610 mW/g** Maximum value of SAR (measured) = 1.78 mW/g 

#55_GSM1900_GPRS (2 Tx slots)_Bottom Face_0cm_Ch810**DUT: 12-4-138**

Communication System: PCS; Frequency: 1909.8 MHz; Duty Cycle: 1:4

Medium: MSL_1900_130114 Medium parameters used: $f = 1910$ MHz; $\sigma = 1.526$ mho/m; $\epsilon_r = 53.581$; ρ

$= 1000$ kg/m³

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3792; ConvF(7.29, 7.29, 7.29); Calibrated: 2012/6/21;
- Sensor-Surface: 2mm (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/Ch810/Area Scan (61x81x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 1.38 mW/g

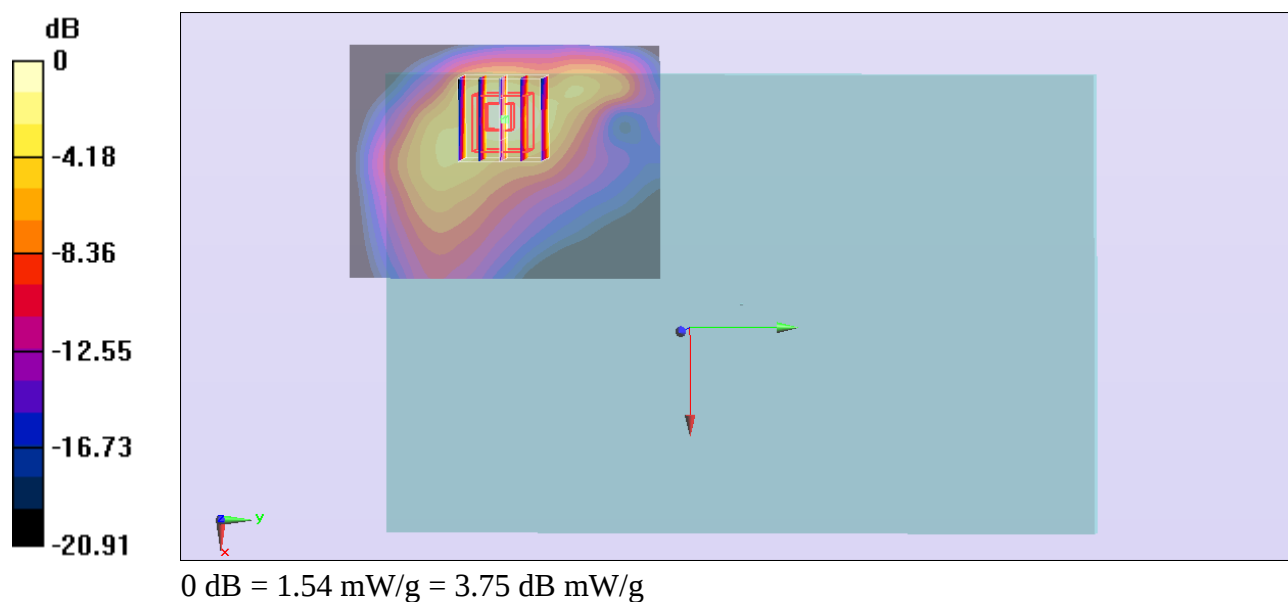
Configuration/Ch810/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 33.064 V/m; Power Drift = -0.06 dB

Peak SAR (extrapolated) = 2.238 mW/g

SAR(1 g) = 1.08 mW/g; SAR(10 g) = 0.515 mW/g

Maximum value of SAR (measured) = 1.54 mW/g



#56_GSM1900_GPRS (2 Tx slots)_Edge3_0cm_Ch512**DUT: 12-4-138**

Communication System: PCS; Frequency: 1850.2 MHz; Duty Cycle: 1:4

Medium: MSL_1900_130114 Medium parameters used: $f = 1850.2$ MHz; $\sigma = 1.476$ mho/m; $\epsilon_r = 53.853$;

$\rho = 1000$ kg/m³

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3792; ConvF(7.29, 7.29, 7.29); Calibrated: 2012/6/21;
- Sensor-Surface: 2mm (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/Ch512/Area Scan (41x91x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.787 mW/g

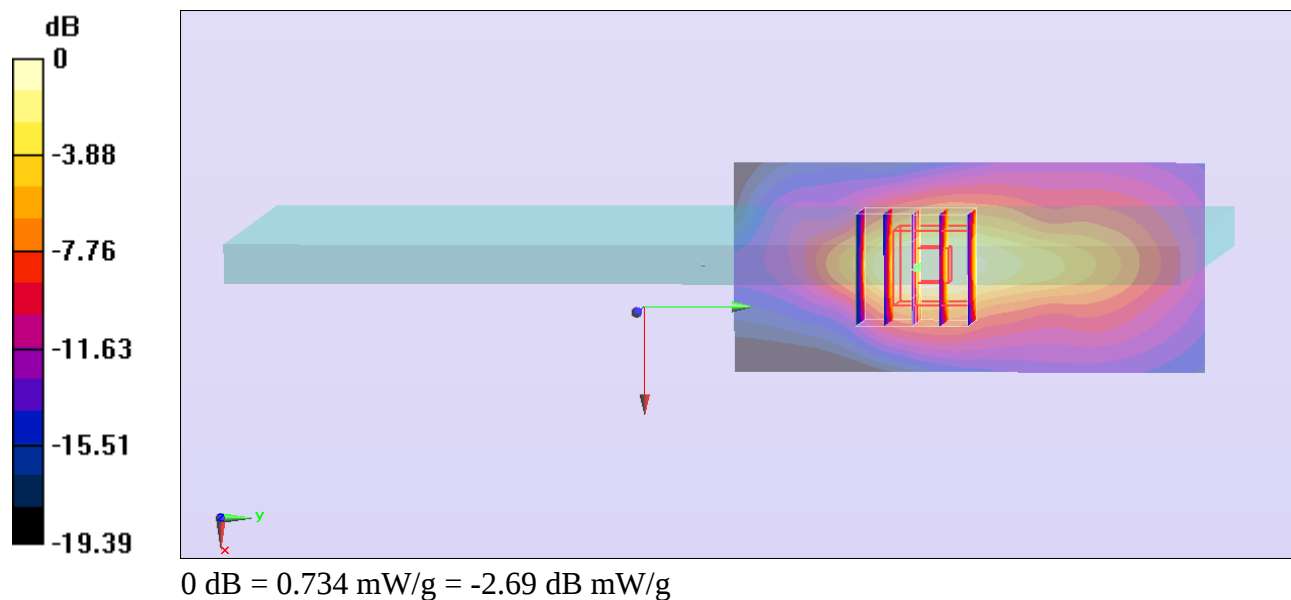
Configuration/Ch512/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 22.456 V/m; Power Drift = 0.13 dB

Peak SAR (extrapolated) = 0.939 mW/g

SAR(1 g) = 0.521 mW/g; SAR(10 g) = 0.273 mW/g

Maximum value of SAR (measured) = 0.734 mW/g



#57_GSM1900_GPRS (2 Tx slots)_Bottom Face_0cm_Ch512;Curve**DUT: 12-4-138**

Communication System: PCS; Frequency: 1850.2 MHz; Duty Cycle: 1:4

Medium: MSL_1900_130114 Medium parameters used: $f = 1850.2$ MHz; $\sigma = 1.476$ mho/m; $\epsilon_r = 53.853$; $\rho = 1000$ kg/m³

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3792; ConvF(7.29, 7.29, 7.29); Calibrated: 2012/6/21;
- Sensor-Surface: 2mm (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/Ch512/Area Scan (61x81x1): Measurement grid: dx=15mm, dy=15mm

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

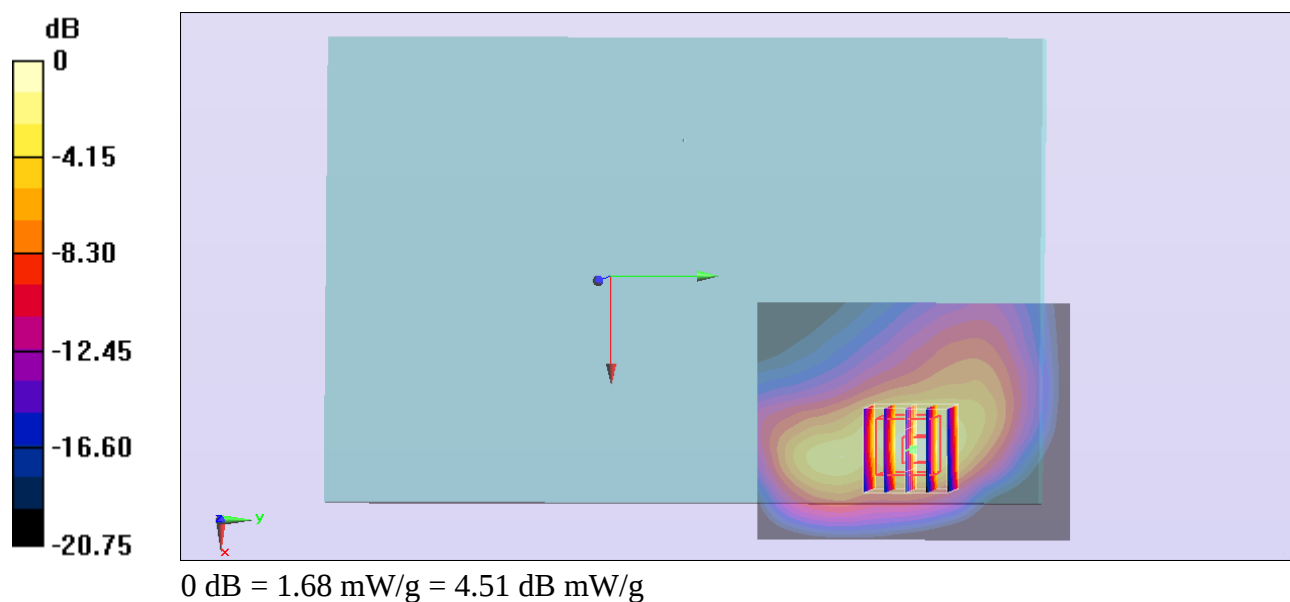
Configuration/Ch512/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 33.857 V/m; Power Drift = -0.09 dB

Peak SAR (extrapolated) = 2.261 mW/g

SAR(1 g) = 1.11 mW/g; SAR(10 g) = 0.544 mW/g

Maximum value of SAR (measured) = 1.68 mW/g



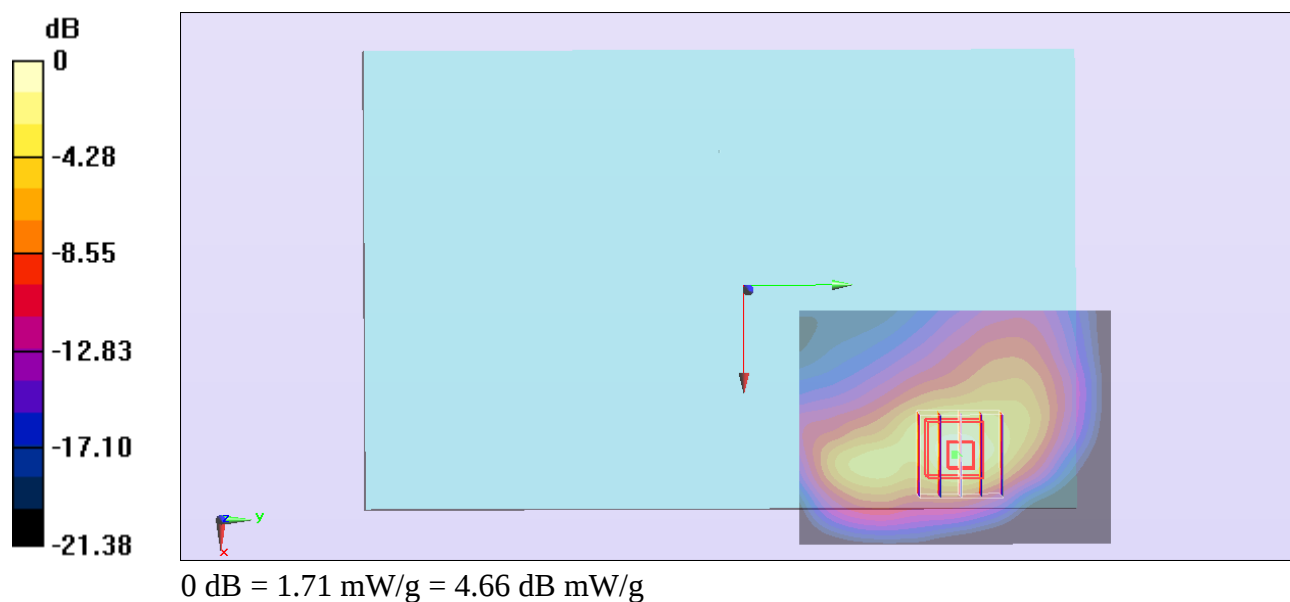
#58_GSM1900_GPRS (2 Tx slots)_Bottom Face_0cm_Ch661;Curve**DUT: 12-4-138**

Communication System: PCS; Frequency: 1880 MHz; Duty Cycle: 1:4

Medium: MSL_1900_130114 Medium parameters used: $f = 1880$ MHz; $\sigma = 1.5$ mho/m; $\epsilon_r = 53.744$; $\rho =$ 1000 kg/m^3 Ambient Temperature : 22.2°C ; Liquid Temperature : 21.2°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3792; ConvF(7.29, 7.29, 7.29); Calibrated: 2012/6/21;
- Sensor-Surface: 2mm (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/Ch661/Area Scan (61x81x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$ Maximum value of SAR (interpolated) = 1.74 mW/g **Configuration/Ch661/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$ Reference Value = 33.725 V/m ; Power Drift = -0.05 dB Peak SAR (extrapolated) = 2.317 mW/g **SAR(1 g) = 1.11 mW/g ; SAR(10 g) = 0.533 mW/g** Maximum value of SAR (measured) = 1.71 mW/g 

#59_GSM1900_GPRS (2 Tx slots)_Bottom Face_0cm_Ch810;Curve**DUT: 12-4-138**

Communication System: PCS; Frequency: 1909.8 MHz; Duty Cycle: 1:4

Medium: MSL_1900_130114 Medium parameters used: $f = 1910$ MHz; $\sigma = 1.526$ mho/m; $\epsilon_r = 53.581$; ρ $= 1000$ kg/m³

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3792; ConvF(7.29, 7.29, 7.29); Calibrated: 2012/6/21;
- Sensor-Surface: 2mm (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/Ch810/Area Scan (61x81x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 1.57 mW/g

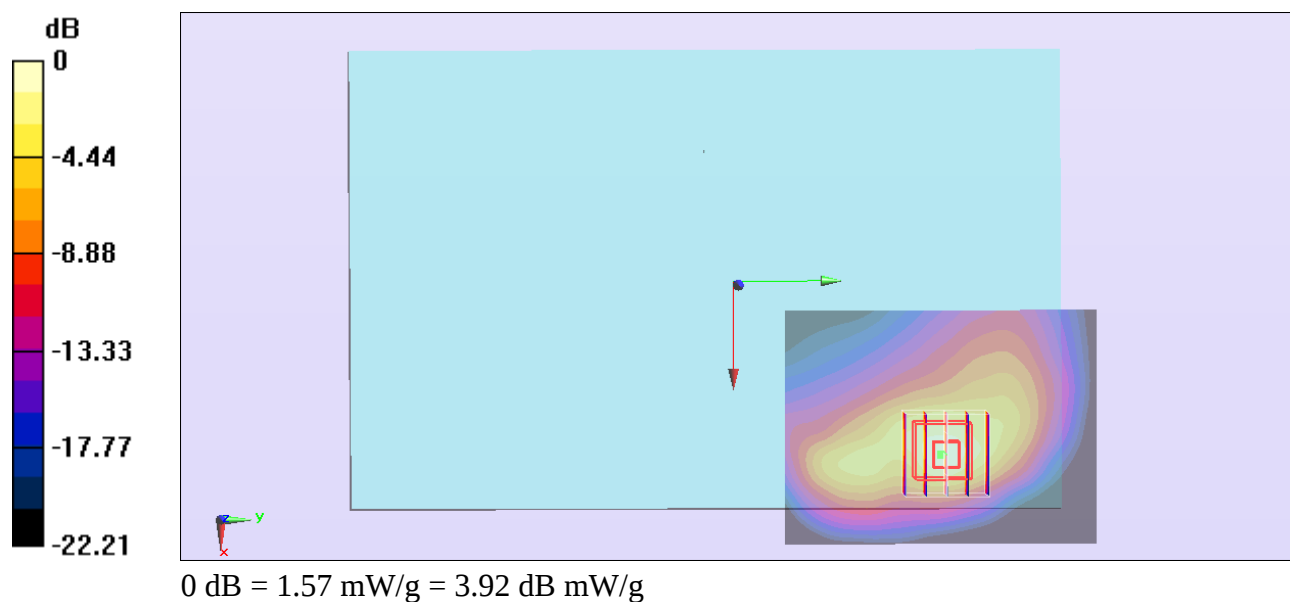
Configuration/Ch810/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 32.051 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 2.149 mW/g

SAR(1 g) = 1.01 mW/g; SAR(10 g) = 0.476 mW/g

Maximum value of SAR (measured) = 1.57 mW/g



#103_ WCDMA V_RMC 12.2Kbps_Bottom Face_1cm_Ch4132**DUT: 12-4-138**

Communication System: WCDMA; Frequency: 826.4 MHz; Duty Cycle: 1:1

Medium: MSL_850_130112 Medium parameters used: $f = 826.4$ MHz; $\sigma = 0.96$ mho/m; $\epsilon_r = 54.934$; $\rho =$

1000 kg/m^3

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

DASY5 Configuration:

- Probe: ES3DV3 - SN3270; ConvF(6.16, 6.16, 6.16); 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/Ch4132/Area Scan (61x81x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Maximum value of SAR (interpolated) = 0.715 mW/g

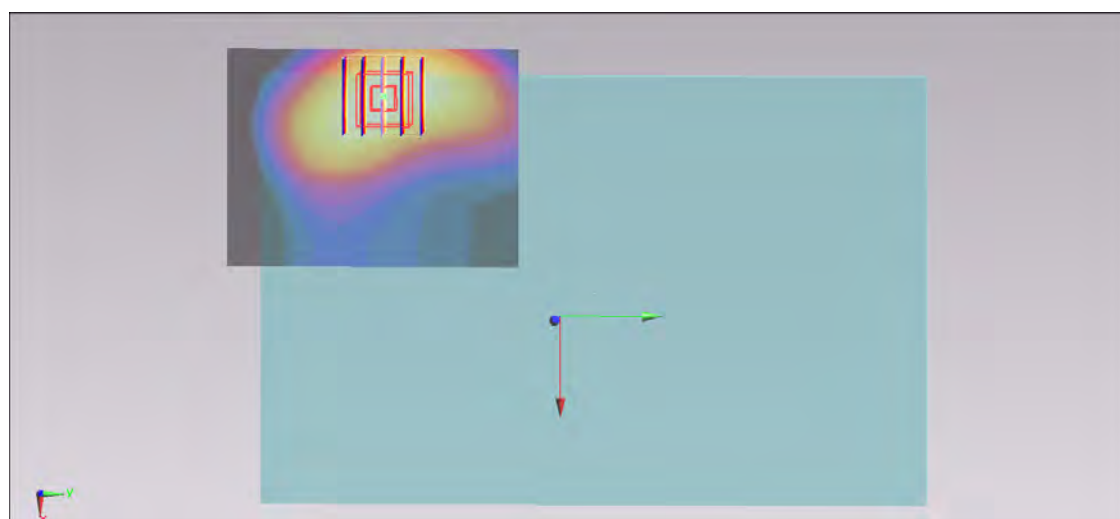
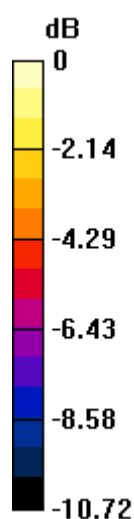
Configuration/Ch4132/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 27.938 V/m ; Power Drift = -0.136 dB

Peak SAR (extrapolated) = 0.836 mW/g

SAR(1 g) = 0.603 mW/g ; SAR(10 g) = 0.412 mW/g

Maximum value of SAR (measured) = 0.688 mW/g



0 dB = 0.688 mW/g = -3.25 dB mW/g

#104_ WCDMA V_RMC 12.2Kbps_Bottom Face_1cm_Ch4182**DUT: 12-4-138**

Communication System: WCDMA; Frequency: 836.4 MHz; Duty Cycle: 1:1

Medium: MSL_850_130112 Medium parameters used: $f = 836.4$ MHz; $\sigma = 0.969$ mho/m; $\epsilon_r = 54.845$; ρ

$= 1000$ kg/m³

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

DASY5 Configuration:

- Probe: ES3DV3 - SN3270; ConvF(6.16, 6.16, 6.16); 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/Ch4182/Area Scan (61x81x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.611 mW/g

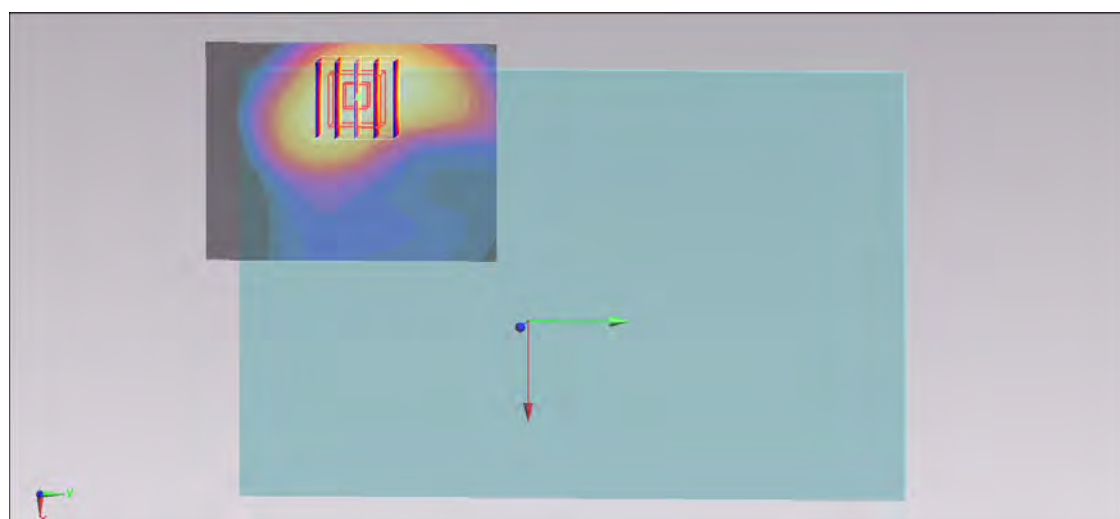
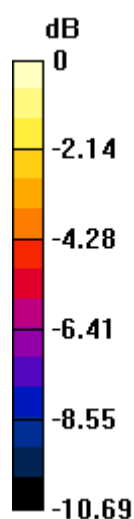
Configuration/Ch4182/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 25.022 V/m; Power Drift = 0.10 dB

Peak SAR (extrapolated) = 0.705 mW/g

SAR(1 g) = 0.510 mW/g; SAR(10 g) = 0.348 mW/g

Maximum value of SAR (measured) = 0.582 mW/g



0 dB = 0.582 mW/g = -4.70 dB mW/g

#105_ WCDMA V_RMC 12.2Kbps_Bottom Face_1cm_Ch4233**DUT: 12-4-138**

Communication System: WCDMA; Frequency: 846.6 MHz; Duty Cycle: 1:1

Medium: MSL_850_130112 Medium parameters used: $f = 847$ MHz; $\sigma = 0.979$ mho/m; $\epsilon_r = 54.749$; $\rho =$

1000 kg/m^3

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

DASY5 Configuration:

- Probe: ES3DV3 - SN3270; ConvF(6.16, 6.16, 6.16); 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/Ch4233/Area Scan (61x81x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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

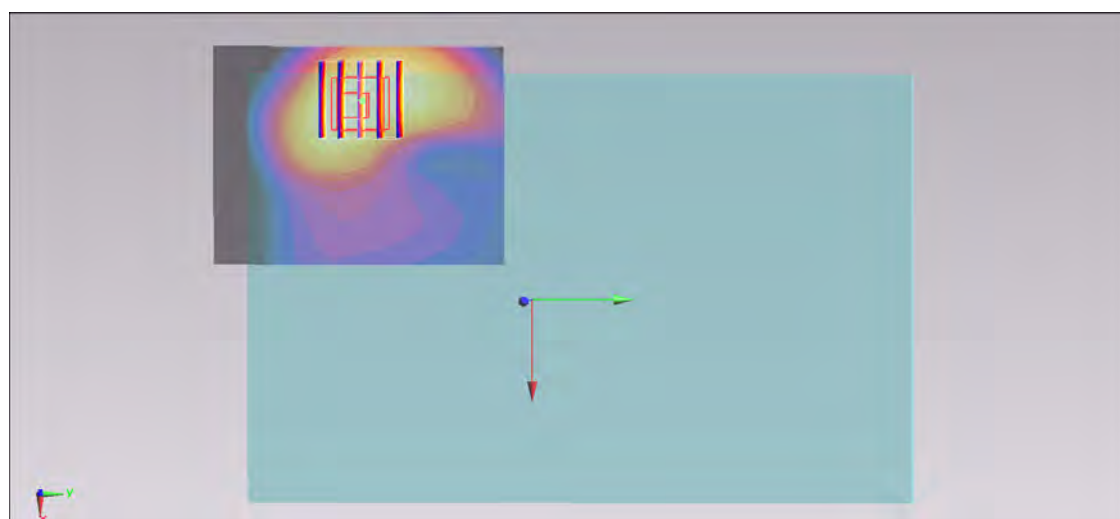
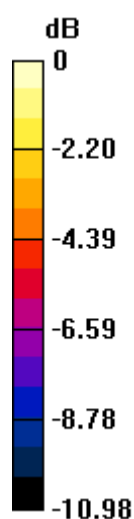
Configuration/Ch4233/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 23.442 V/m ; Power Drift = -0.11 dB

Peak SAR (extrapolated) = 0.613 mW/g

SAR(1 g) = 0.438 mW/g ; SAR(10 g) = 0.297 mW/g

Maximum value of SAR (measured) = 0.491 mW/g



0 dB = 0.491 mW/g = -6.18 dB mW/g

#106_ WCDMA V_RMC 12.2Kbps_Edge3_0.8cm_Ch4132**DUT: 12-4-138**

Communication System: WCDMA; Frequency: 826.4 MHz; Duty Cycle: 1:1

Medium: MSL_850_130112 Medium parameters used: $f = 826.4$ MHz; $\sigma = 0.96$ mho/m; $\epsilon_r = 54.934$; $\rho =$

1000 kg/m^3

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

DASY5 Configuration:

- Probe: ES3DV3 - SN3270; ConvF(6.16, 6.16, 6.16); 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/Ch4132/Area Scan (41x91x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$
Maximum value of SAR (interpolated) = 0.706 mW/g

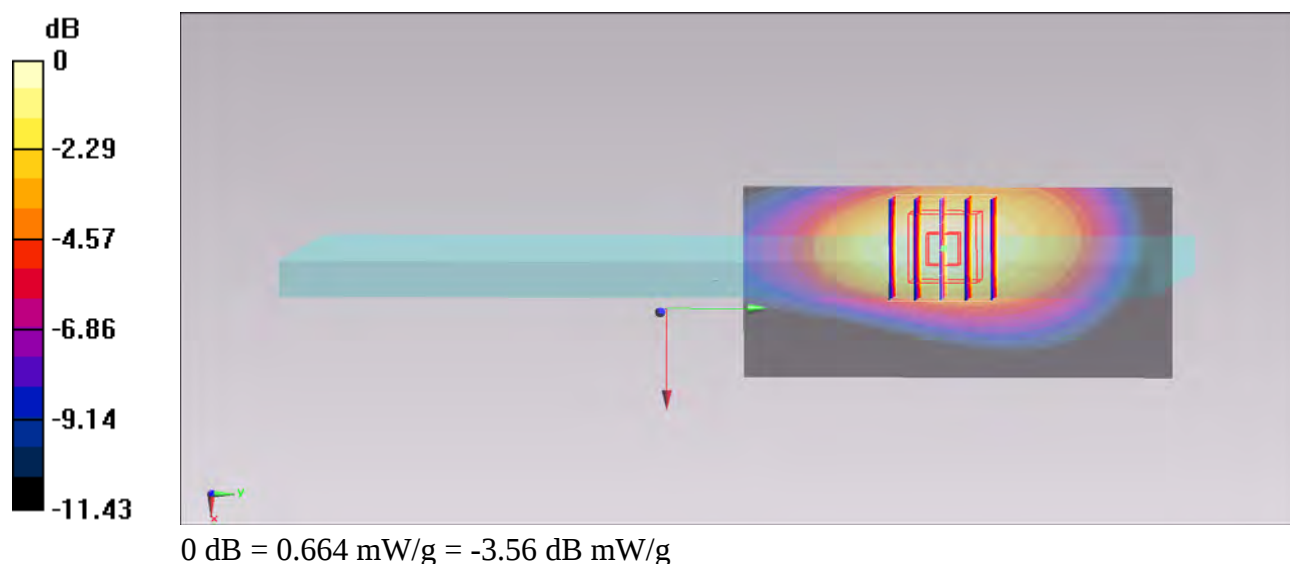
Configuration/Ch4132/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 27.187 V/m ; Power Drift = 0.14 dB

Peak SAR (extrapolated) = 0.835 mW/g

SAR(1 g) = 0.568 mW/g ; SAR(10 g) = 0.368 mW/g

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



#107_ WCDMA V_RMC 12.2Kbps_Edge4_0cm_Ch4132**DUT: 12-4-138**

Communication System: WCDMA; Frequency: 826.4 MHz; Duty Cycle: 1:1

Medium: MSL_850_130112 Medium parameters used: $f = 826.4$ MHz; $\sigma = 0.96$ mho/m; $\epsilon_r = 54.934$; $\rho =$

1000 kg/m^3

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

DASY5 Configuration:

- Probe: ES3DV3 - SN3270; ConvF(6.16, 6.16, 6.16); 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/Ch4132/Area Scan (41x131x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$
Maximum value of SAR (interpolated) = 0.0695 mW/g

Configuration/Ch4132/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 8.281 V/m ; Power Drift = -0.14 dB

Peak SAR (extrapolated) = 0.130 mW/g

SAR(1 g) = 0.058 mW/g ; SAR(10 g) = 0.032 mW/g

Maximum value of SAR (measured) = 0.0735 mW/g

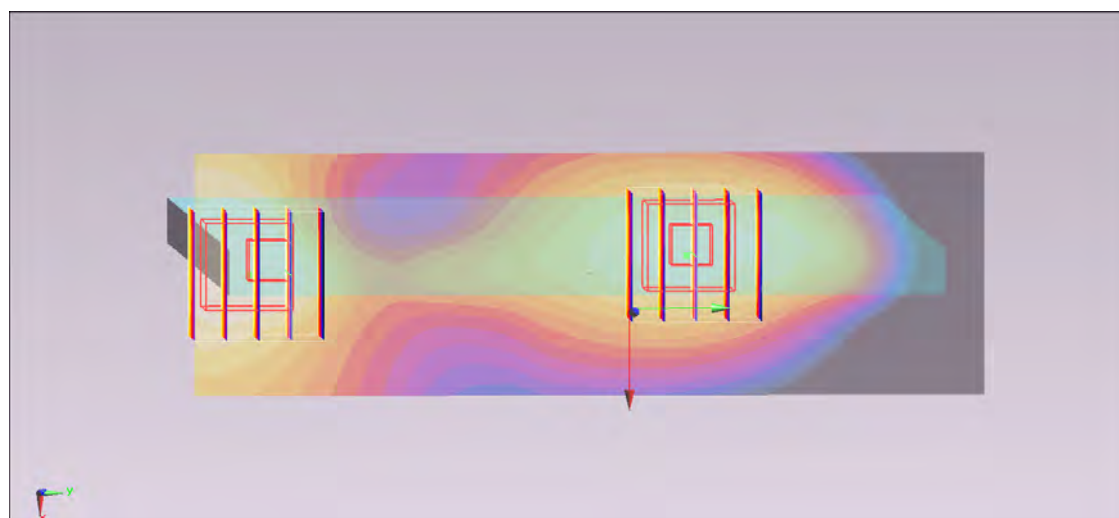
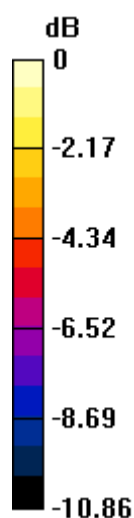
Configuration/Ch4132/Zoom Scan (5x5x7)/Cube 1: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 8.281 V/m ; Power Drift = -0.14 dB

Peak SAR (extrapolated) = 0.060 mW/g

SAR(1 g) = 0.040 mW/g ; SAR(10 g) = 0.027 mW/g

Maximum value of SAR (measured) = 0.0468 mW/g



0 dB = 0.0468 mW/g = -26.60 dB mW/g

#108_ WCDMA V_RMC 12.2Kbps_Bottom Face_0cm_Ch4132**DUT: 12-4-138**

Communication System: WCDMA; Frequency: 826.4 MHz; Duty Cycle: 1:1

Medium: MSL_850_130112 Medium parameters used: $f = 826.4$ MHz; $\sigma = 0.96$ mho/m; $\epsilon_r = 54.934$; $\rho =$

1000 kg/m^3

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

DASY5 Configuration:

- Probe: ES3DV3 - SN3270; ConvF(6.16, 6.16, 6.16); 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/Ch4132/Area Scan (61x81x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Maximum value of SAR (interpolated) = 1.11 mW/g

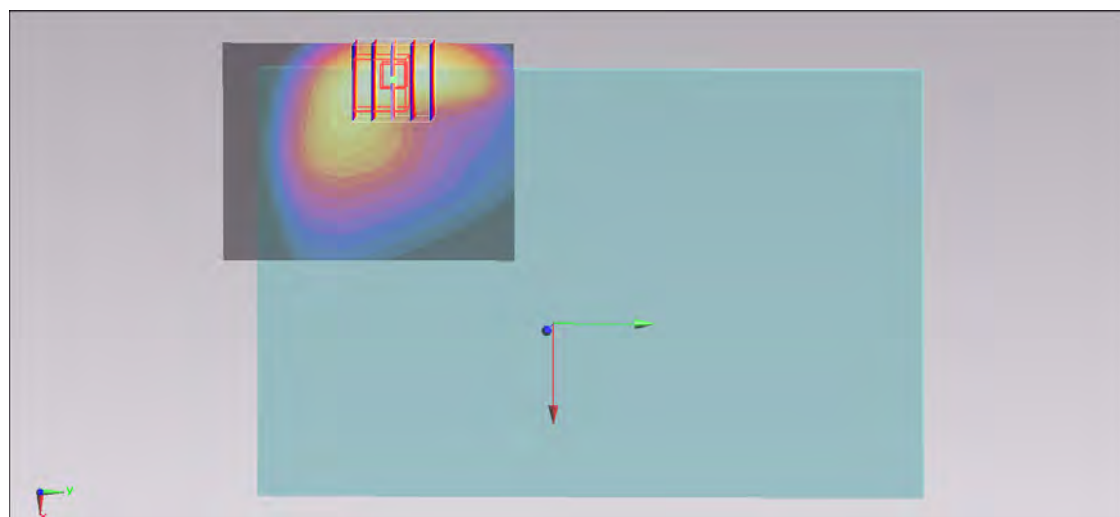
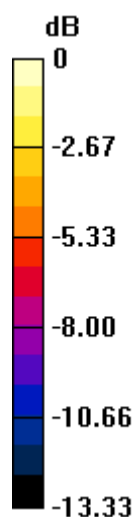
Configuration/Ch4132/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 34.818 V/m ; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 1.537 mW/g

SAR(1 g) = 0.864 mW/g ; SAR(10 g) = 0.501 mW/g

Maximum value of SAR (measured) = 1.11 mW/g



0 dB = 1.11 mW/g = 0.91 dB mW/g

#109_ WCDMA V_RMC 12.2Kbps_Bottom Face_0cm_Ch4182**DUT: 12-4-138**

Communication System: WCDMA; Frequency: 836.4 MHz; Duty Cycle: 1:1

Medium: MSL_850_130112 Medium parameters used: $f = 836.4$ MHz; $\sigma = 0.969$ mho/m; $\epsilon_r = 54.845$; ρ

$= 1000$ kg/m³

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

DASY5 Configuration:

- Probe: ES3DV3 - SN3270; ConvF(6.16, 6.16, 6.16); 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/Ch4182/Area Scan (61x81x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 1.07 mW/g

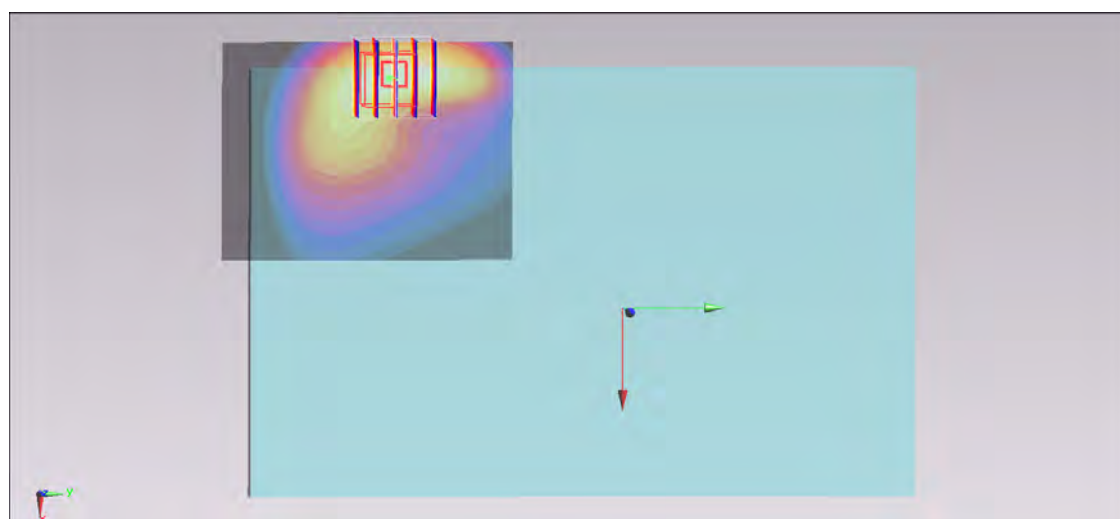
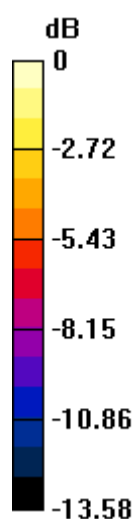
Configuration/Ch4182/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 34.265 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 1.512 mW/g

SAR(1 g) = 0.849 mW/g; SAR(10 g) = 0.487 mW/g

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



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

#110_ WCDMA V_RMC 12.2Kbps_Bottom Face_0cm_Ch4233**DUT: 12-4-138**

Communication System: WCDMA; Frequency: 846.6 MHz; Duty Cycle: 1:1

Medium: MSL_850_130112 Medium parameters used: $f = 847$ MHz; $\sigma = 0.979$ mho/m; $\epsilon_r = 54.749$; $\rho =$

1000 kg/m^3

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

DASY5 Configuration:

- Probe: ES3DV3 - SN3270; ConvF(6.16, 6.16, 6.16); 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/Ch4233/Area Scan (61x81x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Maximum value of SAR (interpolated) = 1.04 mW/g

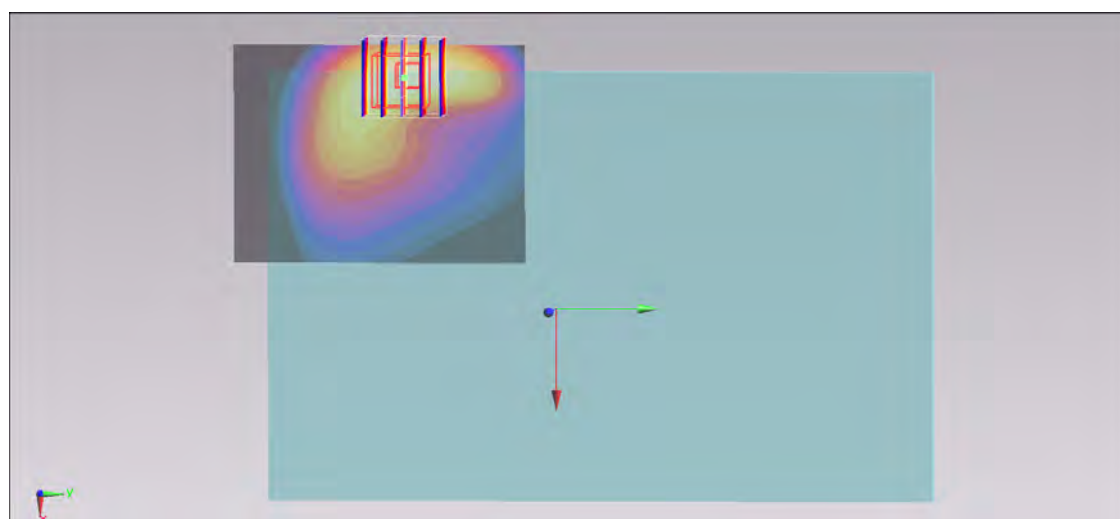
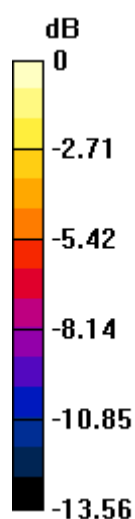
Configuration/Ch4233/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 33.750 V/m ; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 1.428 mW/g

SAR(1 g) = 0.809 mW/g ; SAR(10 g) = 0.464 mW/g

Maximum value of SAR (measured) = 1.02 mW/g



0 dB = 1.02 mW/g = 0.17 dB mW/g

#111_ WCDMA V_RMC 12.2Kbps_Edge3_0cm_Ch4132**DUT: 12-4-138**

Communication System: WCDMA; Frequency: 826.4 MHz; Duty Cycle: 1:1

Medium: MSL_850_130115 Medium parameters used: $f = 826.4$ MHz; $\sigma = 0.949$ mho/m; $\epsilon_r = 53.11$; $\rho =$

1000 kg/m^3

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3792; ConvF(8.99, 8.99, 8.99); Calibrated: 2012/6/21;
- Sensor-Surface: 2mm (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/Ch4132/Area Scan (41x91x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Maximum value of SAR (interpolated) = 0.627 mW/g

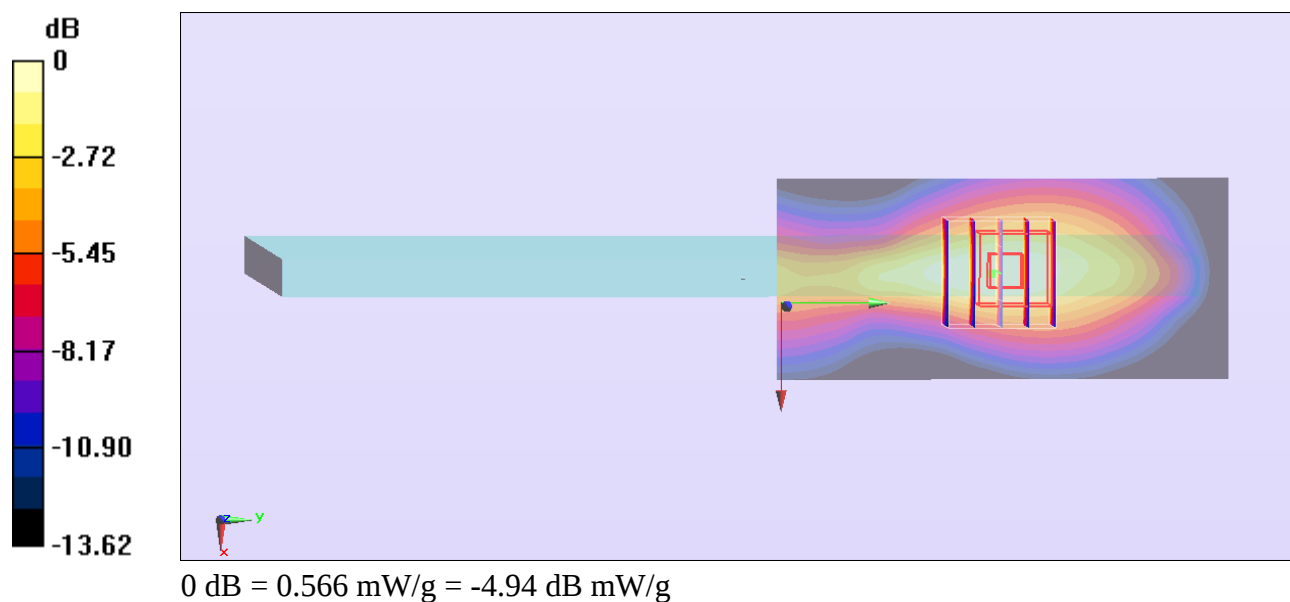
Configuration/Ch4132/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 25.120 V/m ; Power Drift = -0.16 dB

Peak SAR (extrapolated) = 0.709 mW/g

SAR(1 g) = 0.413 mW/g ; SAR(10 g) = 0.248 mW/g

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



#112_ WCDMA V_RMC 12.2Kbps_Edge3_0cm_Ch4182**DUT: 12-4-138**

Communication System: WCDMA; Frequency: 836.4 MHz; Duty Cycle: 1:1

Medium: MSL_850_130112 Medium parameters used: $f = 836.4$ MHz; $\sigma = 0.969$ mho/m; $\epsilon_r = 54.845$; ρ

$= 1000$ kg/m³

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

DASY5 Configuration:

- Probe: ES3DV3 - SN3270; ConvF(6.16, 6.16, 6.16); 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/Ch4182/Area Scan (41x91x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.779 mW/g

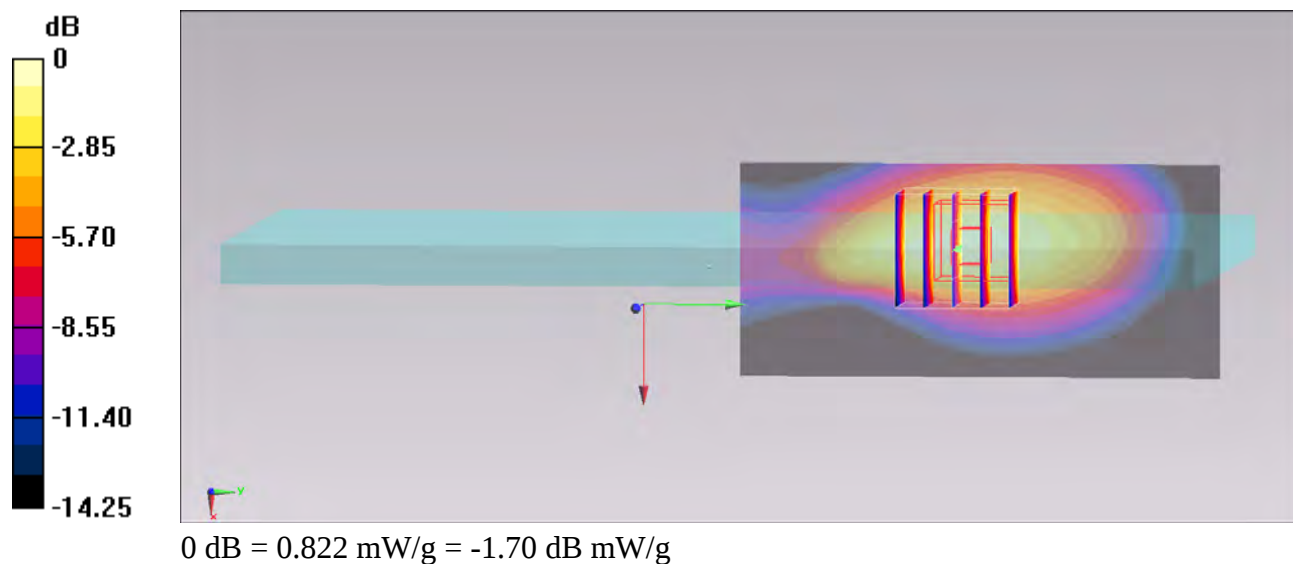
Configuration/Ch4182/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 29.935 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 1.130 mW/g

SAR(1 g) = 0.660 mW/g; SAR(10 g) = 0.390 mW/g

Maximum value of SAR (measured) = 0.822 mW/g



#113_ WCDMA V_RMC 12.2Kbps_Edge3_0cm_Ch4233**DUT: 12-4-138**

Communication System: WCDMA; Frequency: 846.6 MHz; Duty Cycle: 1:1

Medium: MSL_850_130112 Medium parameters used: $f = 847$ MHz; $\sigma = 0.979$ mho/m; $\epsilon_r = 54.749$; $\rho =$

1000 kg/m^3

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

DASY5 Configuration:

- Probe: ES3DV3 - SN3270; ConvF(6.16, 6.16, 6.16); 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/Ch4233/Area Scan (41x91x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$
Maximum value of SAR (interpolated) = 0.503 mW/g

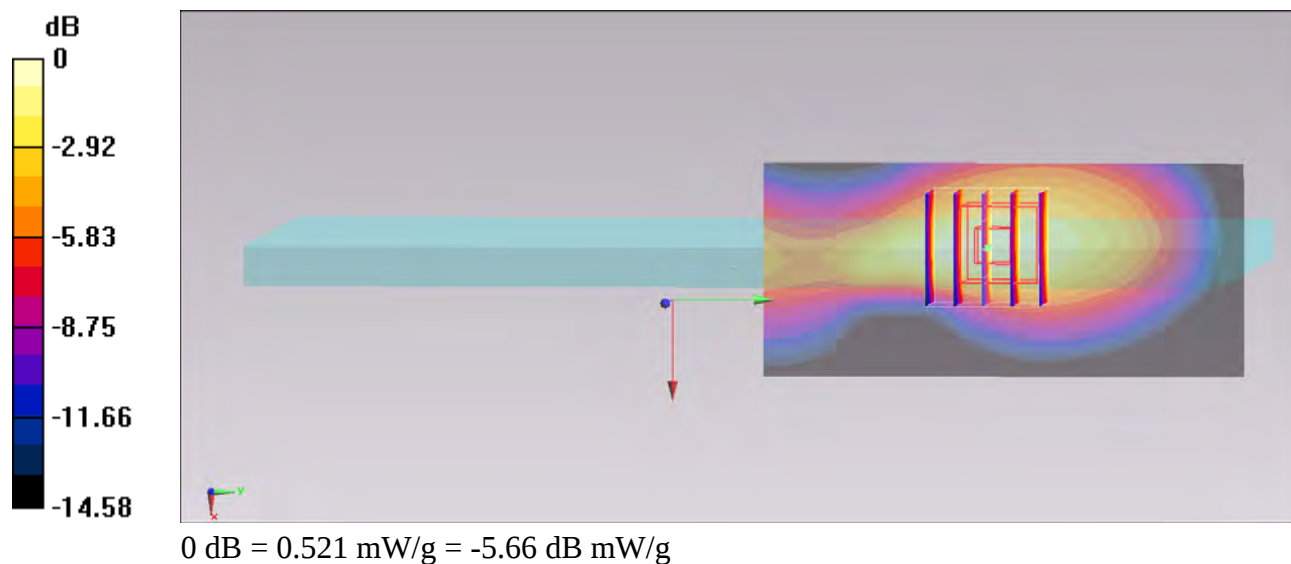
Configuration/Ch4233/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 23.914 V/m ; Power Drift = -0.00 dB

Peak SAR (extrapolated) = 0.731 mW/g

SAR(1 g) = 0.416 mW/g ; SAR(10 g) = 0.243 mW/g

Maximum value of SAR (measured) = 0.521 mW/g



#114_ WCDMA V_RMC 12.2Kbps_Bottom Face_0cm_Ch4132;Curve**DUT: 12-4-138**

Communication System: WCDMA; Frequency: 826.4 MHz; Duty Cycle: 1:1

Medium: MSL_850_130112 Medium parameters used: $f = 826.4$ MHz; $\sigma = 0.96$ mho/m; $\epsilon_r = 54.934$; $\rho =$

1000 kg/m^3

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

DASY5 Configuration:

- Probe: ES3DV3 - SN3270; ConvF(6.16, 6.16, 6.16); 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/Ch4132/Area Scan (61x81x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$
Maximum value of SAR (interpolated) = 1.16 mW/g

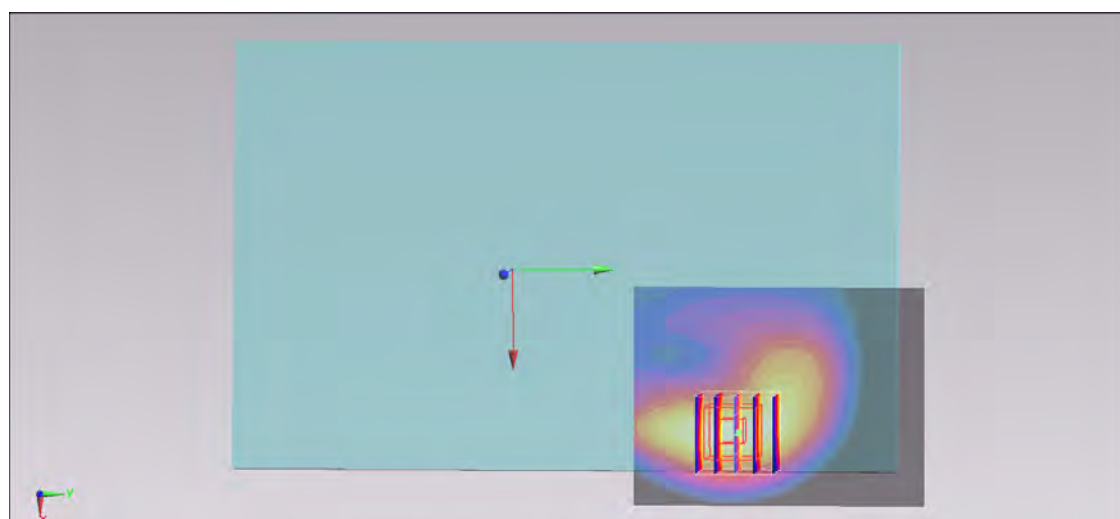
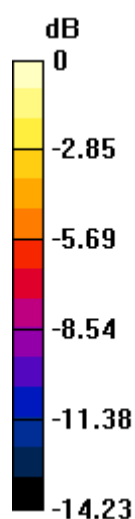
Configuration/Ch4132/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 35.935 V/m ; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 1.680 mW/g

SAR(1 g) = 0.895 mW/g ; SAR(10 g) = 0.493 mW/g

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



0 dB = 1.15 mW/g = 1.21 dB mW/g

#115_ WCDMA V_RMC 12.2Kbps_Bottom Face_0cm_Ch4182;Curve**DUT: 12-4-138**

Communication System: WCDMA; Frequency: 836.4 MHz; Duty Cycle: 1:1

Medium: MSL_850_130112 Medium parameters used: $f = 836.4$ MHz; $\sigma = 0.969$ mho/m; $\epsilon_r = 54.845$; ρ

$= 1000$ kg/m³

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

DASY5 Configuration:

- Probe: ES3DV3 - SN3270; ConvF(6.16, 6.16, 6.16); 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/Ch4182/Area Scan (61x81x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 1.14 mW/g

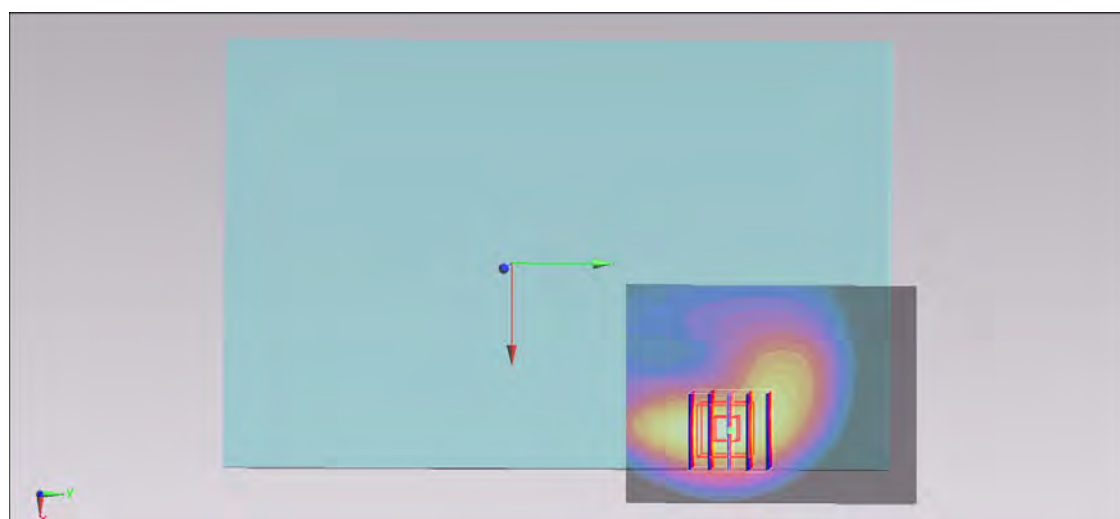
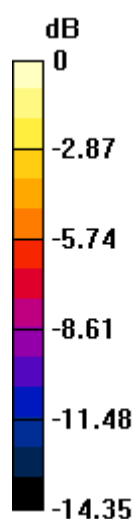
Configuration/Ch4182/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 35.853 V/m; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 1.750 mW/g

SAR(1 g) = 0.922 mW/g; SAR(10 g) = 0.499 mW/g

Maximum value of SAR (measured) = 1.20 mW/g



0 dB = 1.20 mW/g = 1.58 dB mW/g

#123_ WCDMA V_RMC 12.2Kbps_Bottom Face_0cm_Ch4182;Curve_Rapeat**DUT: 12-4-138**

Communication System: WCDMA; Frequency: 836.4 MHz; Duty Cycle: 1:1

Medium: MSL_850_130112 Medium parameters used: $f = 836.4$ MHz; $\sigma = 0.969$ mho/m; $\epsilon_r = 54.845$; ρ

$= 1000$ kg/m³

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

DASY5 Configuration:

- Probe: ES3DV3 - SN3270; ConvF(6.16, 6.16, 6.16); 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/Ch4182/Area Scan (61x81x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 1.17 mW/g

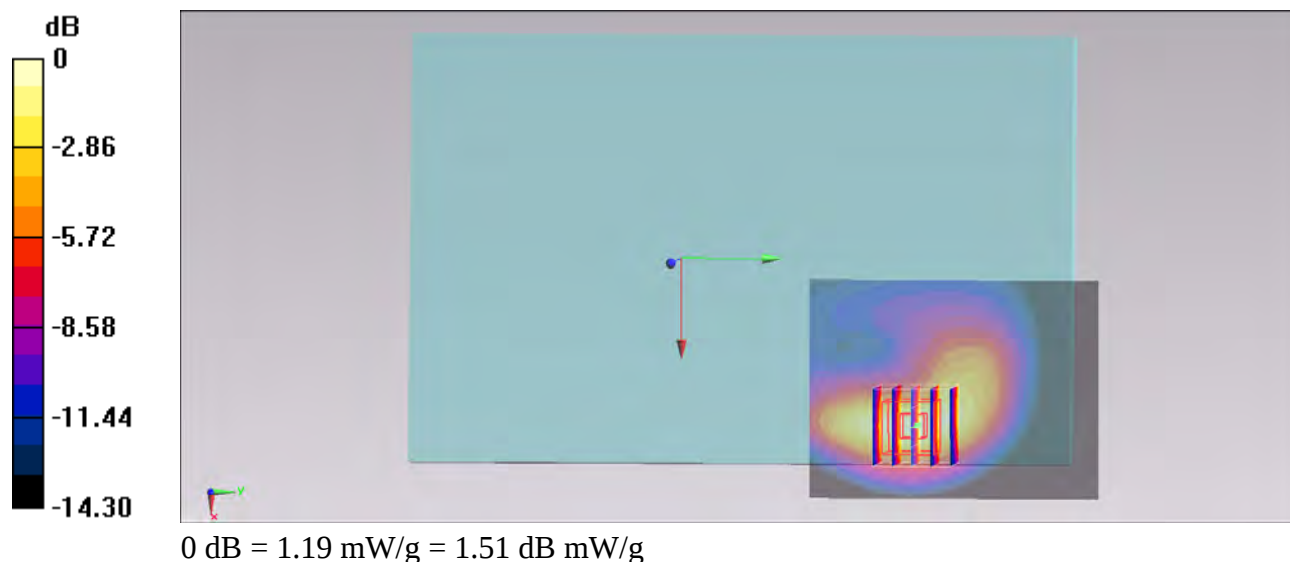
Configuration/Ch4182/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 35.840 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 1.719 mW/g

SAR(1 g) = 0.904 mW/g; SAR(10 g) = 0.492 mW/g

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



#116_ WCDMA V_RMC 12.2Kbps_Bottom Face_0cm_Ch4233;Curve**DUT: 12-4-138**

Communication System: WCDMA; Frequency: 846.6 MHz; Duty Cycle: 1:1

Medium: MSL_850_130112 Medium parameters used: $f = 847$ MHz; $\sigma = 0.979$ mho/m; $\epsilon_r = 54.749$; $\rho =$

1000 kg/m^3

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

DASY5 Configuration:

- Probe: ES3DV3 - SN3270; ConvF(6.16, 6.16, 6.16); 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/Ch4233/Area Scan (61x81x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$
Maximum value of SAR (interpolated) = 1.14 mW/g

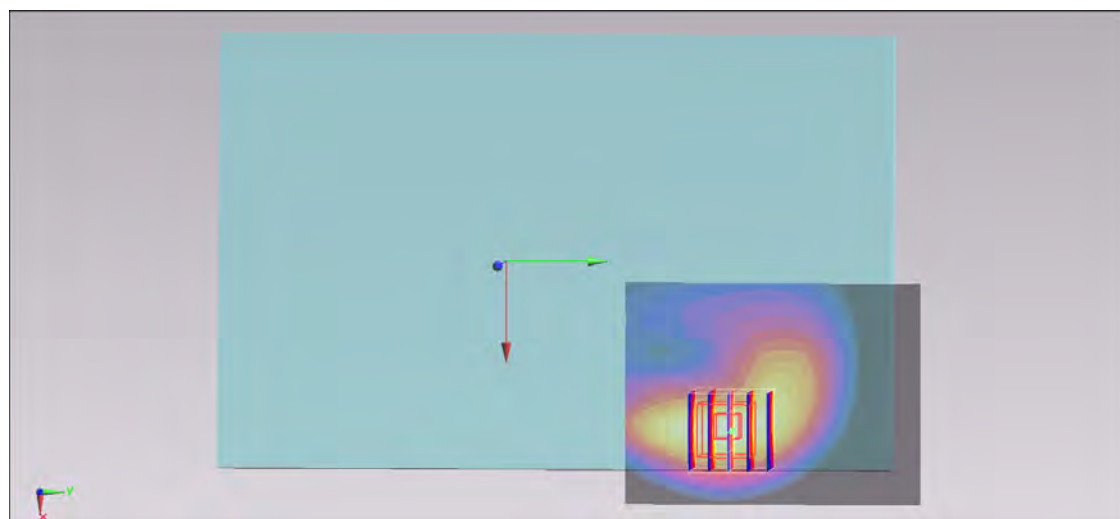
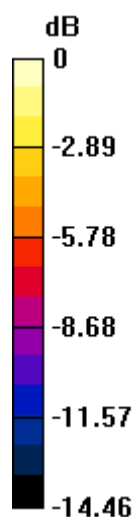
Configuration/Ch4233/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 35.004 V/m ; Power Drift = -0.10 dB

Peak SAR (extrapolated) = 1.709 mW/g

SAR(1 g) = 0.901 mW/g ; SAR(10 g) = 0.489 mW/g

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



0 dB = 1.15 mW/g = 1.21 dB mW/g

#117_ WCDMA V_HSDPA Subtest-1_Bottom Face_0cm_Ch4132;Curve**DUT: 12-4-138**

Communication System: WCDMA; Frequency: 826.4 MHz; Duty Cycle: 1:1

Medium: MSL_850_130112 Medium parameters used: $f = 826.4$ MHz; $\sigma = 0.96$ mho/m; $\epsilon_r = 54.934$; $\rho =$

1000 kg/m^3

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

DASY5 Configuration:

- Probe: ES3DV3 - SN3270; ConvF(6.16, 6.16, 6.16); 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/Ch4132/Area Scan (61x81x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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

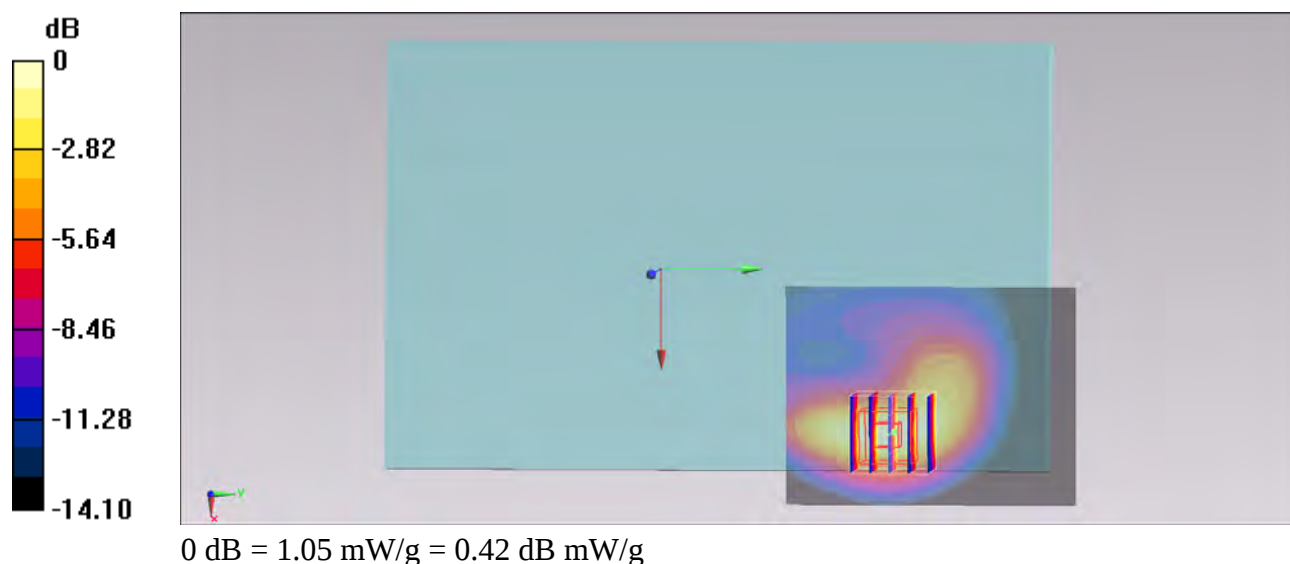
Configuration/Ch4132/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 34.063 V/m ; Power Drift = 0.12 dB

Peak SAR (extrapolated) = 1.528 mW/g

SAR(1 g) = 0.811 mW/g ; SAR(10 g) = 0.440 mW/g

Maximum value of SAR (measured) = 1.05 mW/g



#118_ WCDMA V_HSDPA Subtest-1_Bottom Face_0cm_Ch4182;Curve**DUT: 12-4-138**

Communication System: WCDMA; Frequency: 836.4 MHz; Duty Cycle: 1:1

Medium: MSL_850_130112 Medium parameters used: $f = 836.4$ MHz; $\sigma = 0.969$ mho/m; $\epsilon_r = 54.845$; ρ

$= 1000$ kg/m³

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

DASY5 Configuration:

- Probe: ES3DV3 - SN3270; ConvF(6.16, 6.16, 6.16); 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/Ch4182/Area Scan (61x81x1): Measurement grid: dx=15mm, dy=15mm

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

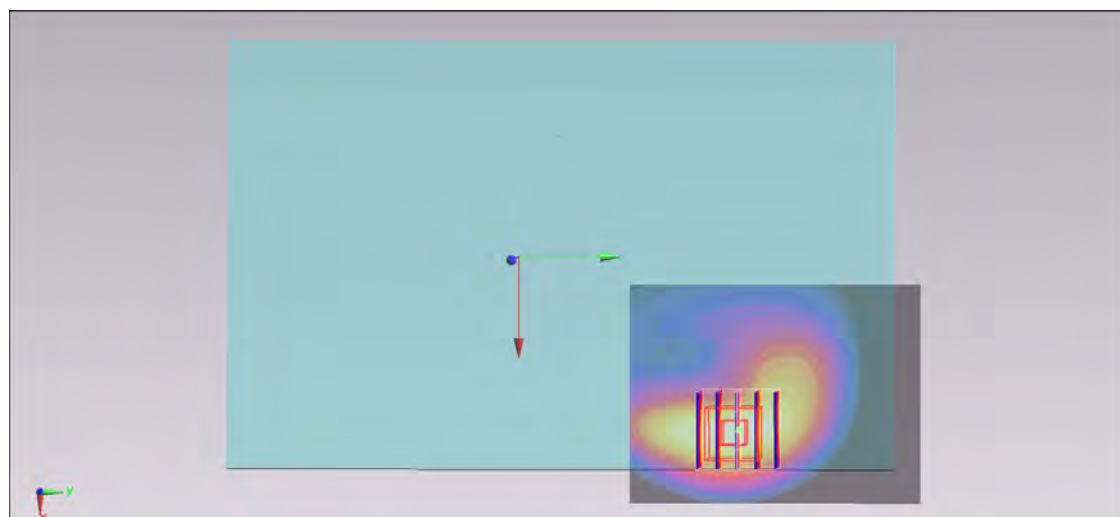
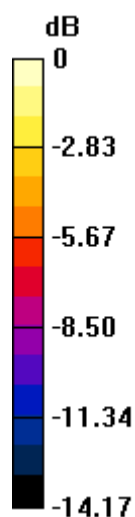
Configuration/Ch4182/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 34.416 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 1.573 mW/g

SAR(1 g) = 0.821 mW/g; SAR(10 g) = 0.442 mW/g

Maximum value of SAR (measured) = 1.07 mW/g



0 dB = 1.07 mW/g = 0.59 dB mW/g

#119_ WCDMA V_HSDPA Subtest-1_Bottom Face_0cm_Ch4233;Curve**DUT: 12-4-138**

Communication System: WCDMA; Frequency: 846.6 MHz; Duty Cycle: 1:1

Medium: MSL_850_130112 Medium parameters used: $f = 847$ MHz; $\sigma = 0.979$ mho/m; $\epsilon_r = 54.749$; $\rho =$

1000 kg/m^3

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

DASY5 Configuration:

- Probe: ES3DV3 - SN3270; ConvF(6.16, 6.16, 6.16); 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/Ch4233/Area Scan (61x81x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Maximum value of SAR (interpolated) = 1.07 mW/g

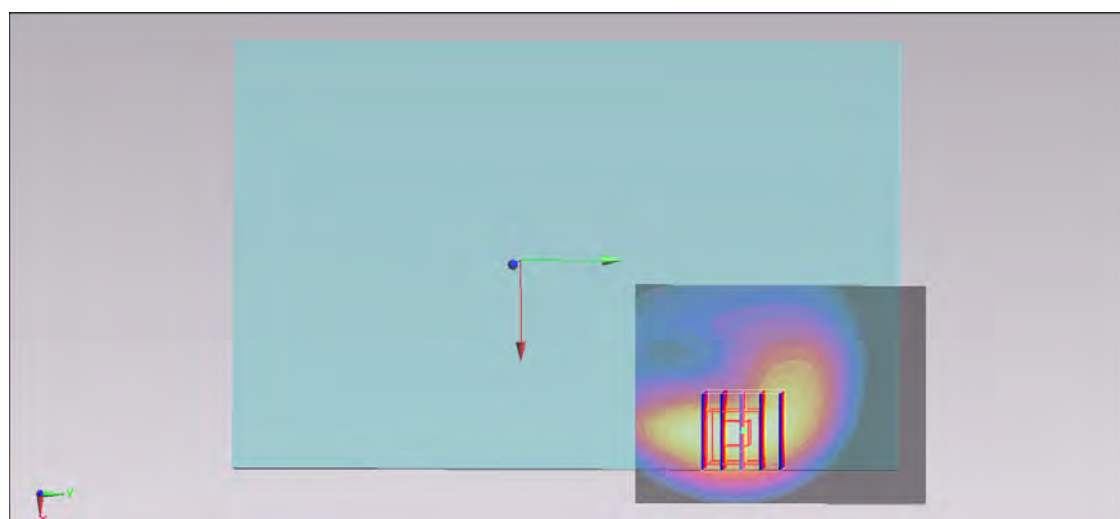
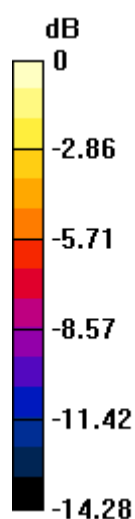
Configuration/Ch4233/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 34.356 V/m ; Power Drift = 0.09 dB

Peak SAR (extrapolated) = 1.601 mW/g

SAR(1 g) = 0.832 mW/g ; SAR(10 g) = 0.444 mW/g

Maximum value of SAR (measured) = 1.07 mW/g



0 dB = 1.07 mW/g = 0.59 dB mW/g

#120_ WCDMA V_HSPA Subtest-5_Bottom Face_0cm_Ch4132;Curve**DUT: 12-4-138**

Communication System: WCDMA; Frequency: 826.4 MHz; Duty Cycle: 1:1

Medium: MSL_850_130112 Medium parameters used: $f = 826.4$ MHz; $\sigma = 0.96$ mho/m; $\epsilon_r = 54.934$; $\rho =$

1000 kg/m^3

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

DASY5 Configuration:

- Probe: ES3DV3 - SN3270; ConvF(6.16, 6.16, 6.16); 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/Ch4132/Area Scan (61x81x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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

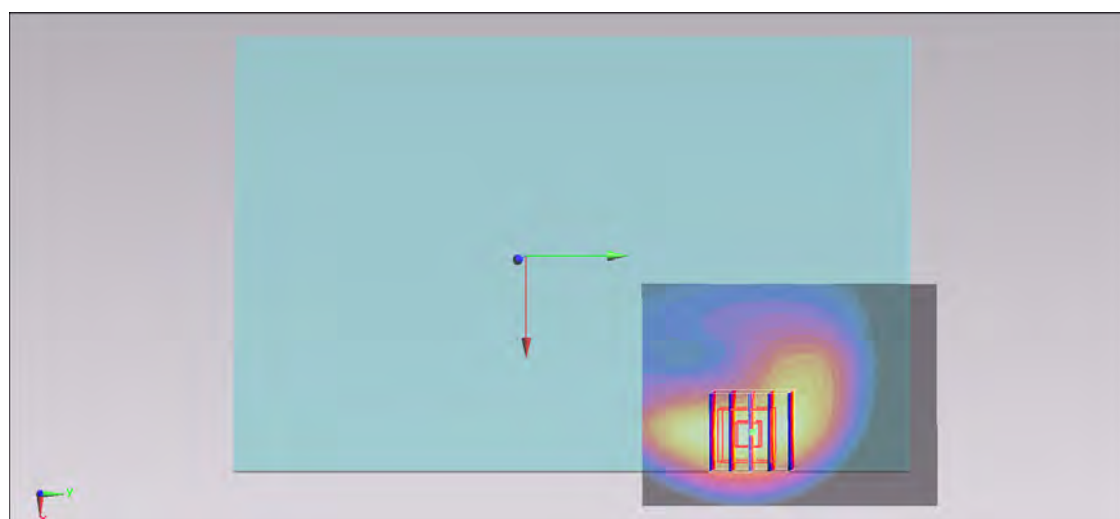
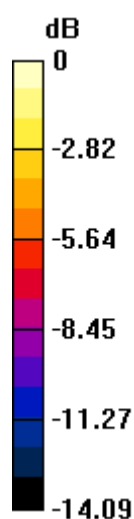
Configuration/Ch4132/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 34.584 V/m ; Power Drift = 0.00 dB

Peak SAR (extrapolated) = 1.569 mW/g

SAR(1 g) = 0.819 mW/g ; SAR(10 g) = 0.444 mW/g

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



$0 \text{ dB} = 1.06 \text{ mW/g} = 0.51 \text{ dB mW/g}$

#121_ WCDMA V_HSPA Subtest-5_Bottom Face_0cm_Ch4182;Curve**DUT: 12-4-138**

Communication System: WCDMA; Frequency: 836.4 MHz; Duty Cycle: 1:1

Medium: MSL_850_130112 Medium parameters used: $f = 836.4$ MHz; $\sigma = 0.969$ mho/m; $\epsilon_r = 54.845$; ρ

$= 1000$ kg/m³

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

DASY5 Configuration:

- Probe: ES3DV3 - SN3270; ConvF(6.16, 6.16, 6.16); 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/Ch4182/Area Scan (61x81x1): Measurement grid: dx=15mm, dy=15mm

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

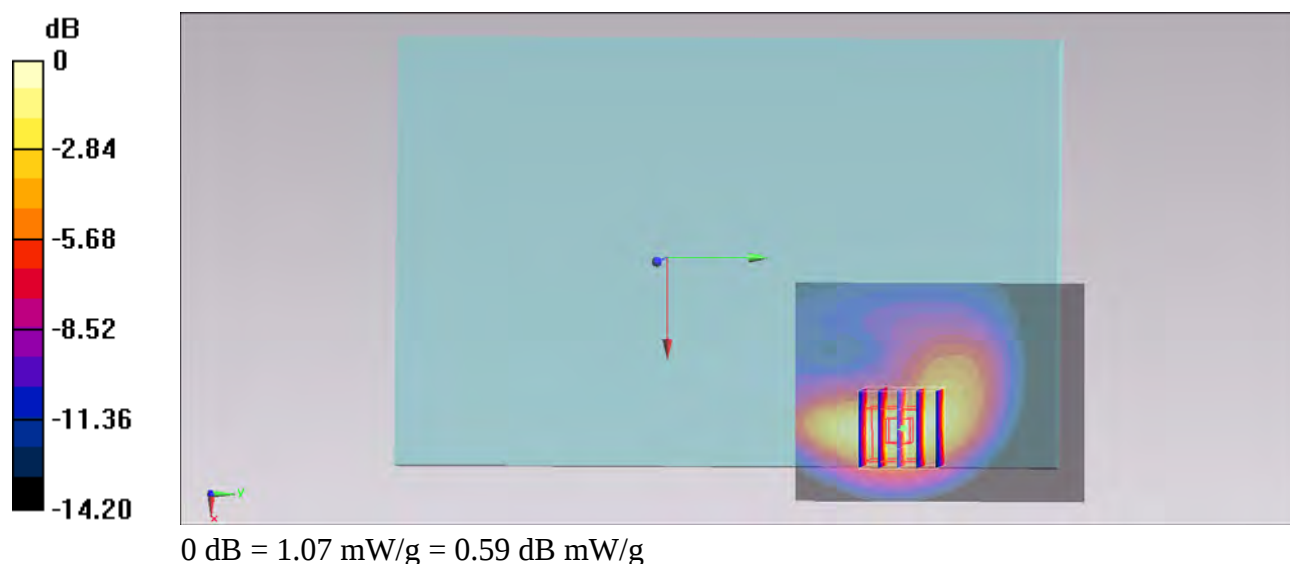
Configuration/Ch4182/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 34.540 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 1.600 mW/g

SAR(1 g) = 0.828 mW/g; SAR(10 g) = 0.445 mW/g

Maximum value of SAR (measured) = 1.07 mW/g



#122_ WCDMA V_HSPA Subtest-5_Bottom Face_0cm_Ch4233;Curve**DUT: 12-4-138**

Communication System: WCDMA; Frequency: 846.6 MHz; Duty Cycle: 1:1

Medium: MSL_850_130112 Medium parameters used: $f = 847$ MHz; $\sigma = 0.979$ mho/m; $\epsilon_r = 54.749$; $\rho =$

1000 kg/m^3

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

DASY5 Configuration:

- Probe: ES3DV3 - SN3270; ConvF(6.16, 6.16, 6.16); 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/Ch4233/Area Scan (61x81x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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

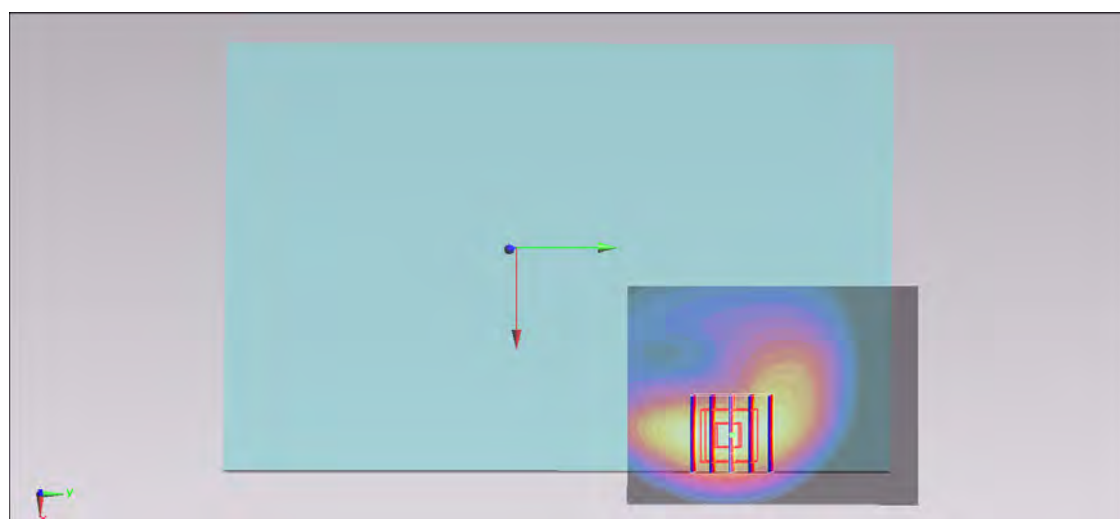
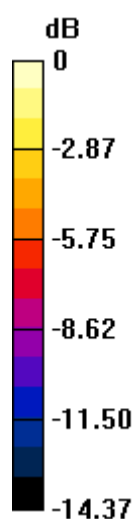
Configuration/Ch4233/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 34.113 V/m ; Power Drift = 0.07 dB

Peak SAR (extrapolated) = 1.556 mW/g

SAR(1 g) = 0.818 mW/g ; SAR(10 g) = 0.441 mW/g

Maximum value of SAR (measured) = 1.07 mW/g



$0 \text{ dB} = 1.07 \text{ mW/g} = 0.59 \text{ dB mW/g}$

#601_ WCDMA IV_RMC 12.2Kbps_Bottom Face_1cm_Ch1413**DUT: 311703**

Communication System: WCDMA; Frequency: 1732.6 MHz; Duty Cycle: 1:1

Medium: MSL_1750_120222 Medium parameters used: $f = 1733$ MHz; $\sigma = 1.496$ mho/m; $\epsilon_r = 52.279$; ρ

$= 1000$ kg/m³

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3792; ConvF(7.71, 7.71, 7.71); Calibrated: 2012/6/21;
- Sensor-Surface: 2mm (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/Ch1413/Area Scan (61x81x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.728 mW/g

Configuration/Ch1413/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 22.500 V/m; Power Drift = 0.13 dB

Peak SAR (extrapolated) = 0.922 mW/g

SAR(1 g) = 0.570 mW/g; SAR(10 g) = 0.335 mW/g

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

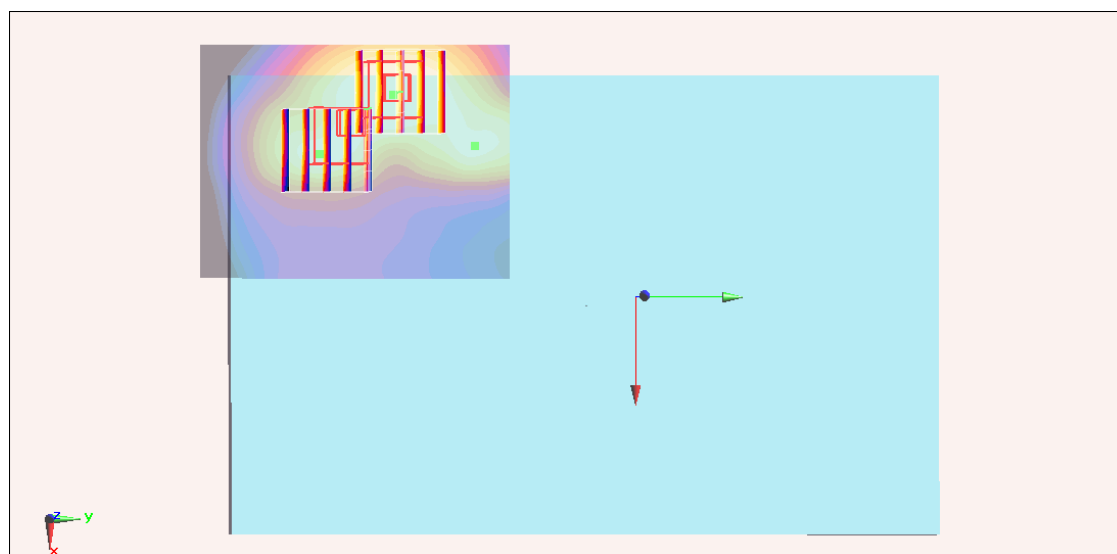
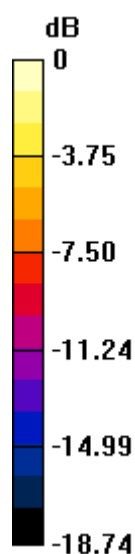
Configuration/Ch1413/Zoom Scan (5x5x7)/Cube 1: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 22.500 V/m; Power Drift = 0.13 dB

Peak SAR (extrapolated) = 0.628 mW/g

SAR(1 g) = 0.338 mW/g; SAR(10 g) = 0.193 mW/g

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



0 dB = 0.536 mW/g = -5.42 dB mW/g

#604_ WCDMA IV_RMC 12.2Kbps_Edge3_0.8cm_Ch1413**DUT: 311703**

Communication System: WCDMA; Frequency: 1732.6 MHz; Duty Cycle: 1:1

Medium: MSL_1750_120222 Medium parameters used: $f = 1733$ MHz; $\sigma = 1.496$ mho/m; $\epsilon_r = 52.279$; ρ

$= 1000$ kg/m³

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3792; ConvF(7.71, 7.71, 7.71); Calibrated: 2012/6/21;
- Sensor-Surface: 2mm (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/Ch1413/Area Scan (41x91x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 1.29 mW/g

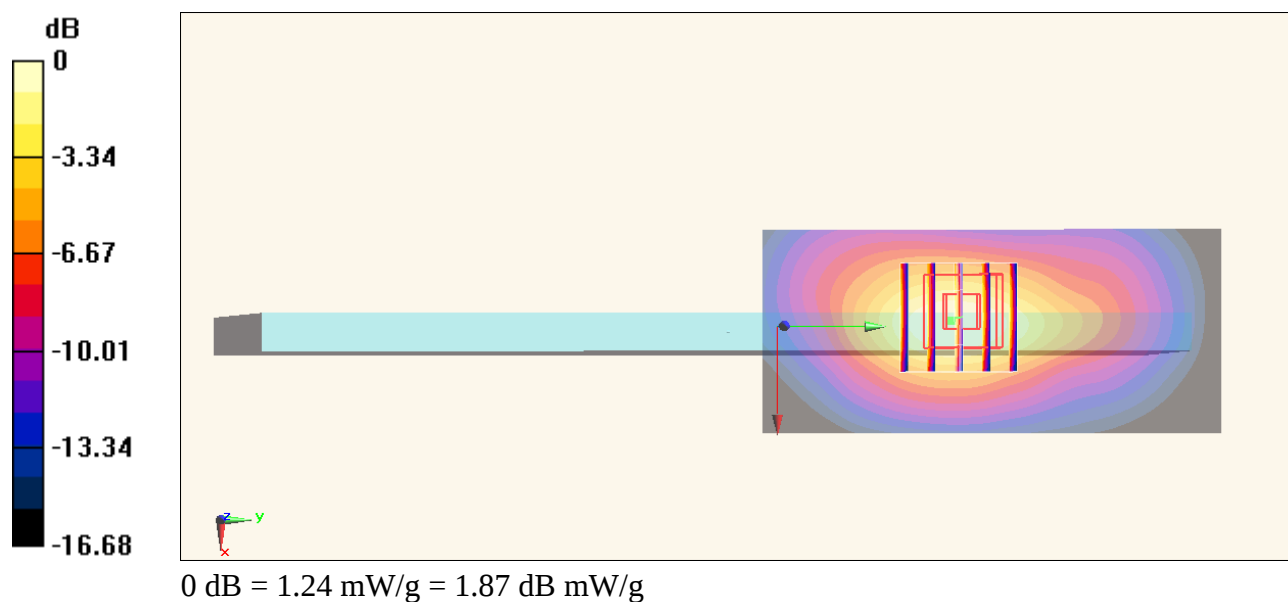
Configuration/Ch1413/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 29.059 V/m; Power Drift = 0.19 dB

Peak SAR (extrapolated) = 1.553 mW/g

SAR(1 g) = 0.937 mW/g; SAR(10 g) = 0.532 mW/g

Maximum value of SAR (measured) = 1.24 mW/g



#605_ WCDMA IV_RMC 12.2Kbps_Edge3_0.8cm_Ch1312**DUT: 311703**

Communication System: WCDMA; Frequency: 1712.4 MHz; Duty Cycle: 1:1

Medium: MSL_1750_120222 Medium parameters used: $f = 1712.4$ MHz; $\sigma = 1.474$ mho/m; $\epsilon_r = 52.335$;

$\rho = 1000$ kg/m³

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3792; ConvF(7.71, 7.71, 7.71); Calibrated: 2012/6/21;
- Sensor-Surface: 2mm (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/Ch1312/Area Scan (41x91x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 1.40 mW/g

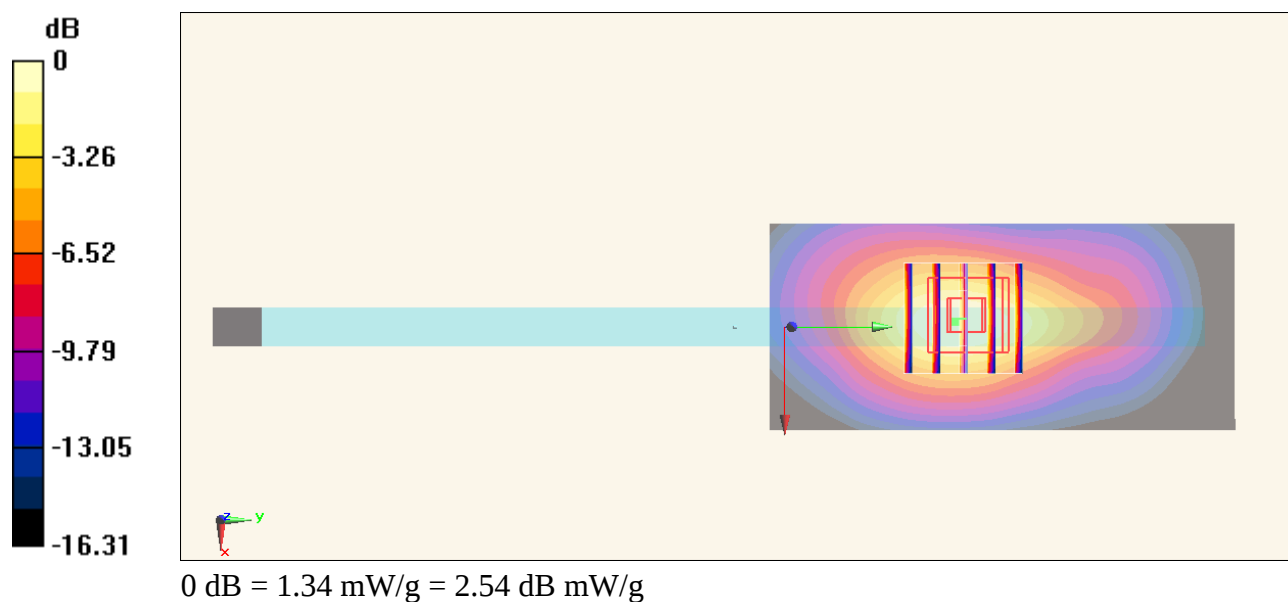
Configuration/Ch1312/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 30.401 V/m; Power Drift = 0.08 dB

Peak SAR (extrapolated) = 1.657 mW/g

SAR(1 g) = 1.01 mW/g; SAR(10 g) = 0.574 mW/g

Maximum value of SAR (measured) = 1.34 mW/g



#606_ WCDMA IV_RMC 12.2Kbps_Edge3_0.8cm_Ch1513**DUT: 311703**

Communication System: WCDMA; Frequency: 1752.6 MHz; Duty Cycle: 1:1

Medium: MSL_1750_120222 Medium parameters used: $f = 1753$ MHz; $\sigma = 1.519$ mho/m; $\epsilon_r = 52.228$; ρ

$= 1000$ kg/m³

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3792; ConvF(7.71, 7.71, 7.71); Calibrated: 2012/6/21;
- Sensor-Surface: 2mm (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/Ch1513/Area Scan (41x91x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 1.04 mW/g

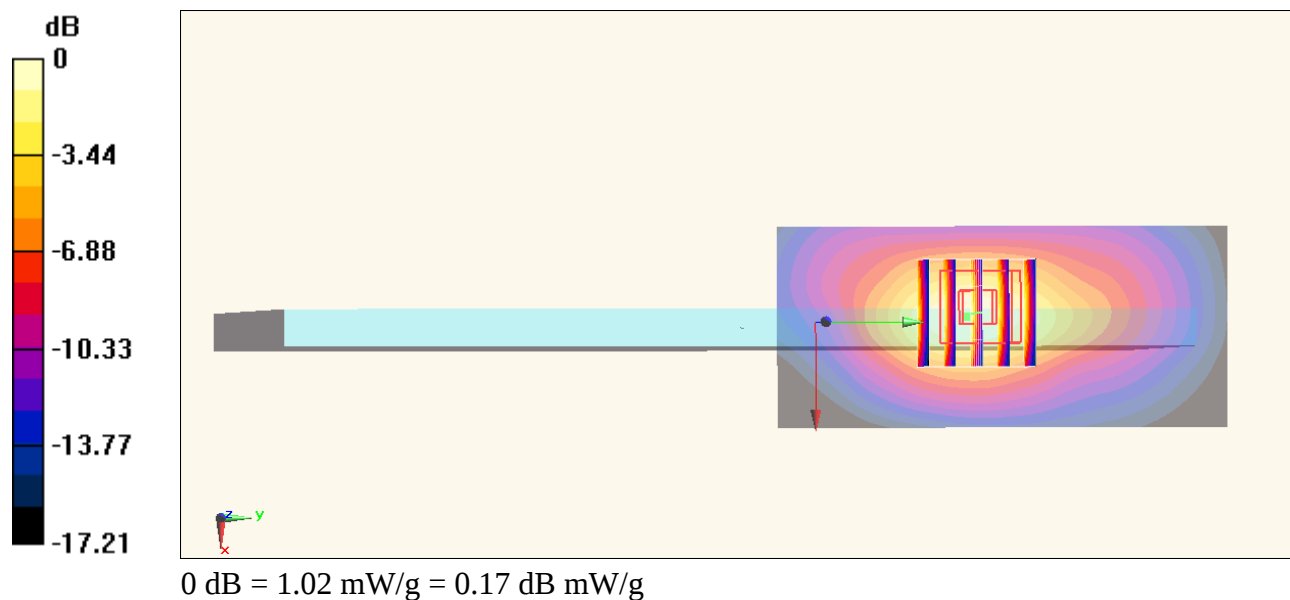
Configuration/Ch1513/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 26.034 V/m; Power Drift = 0.14 dB

Peak SAR (extrapolated) = 1.268 mW/g

SAR(1 g) = 0.759 mW/g; SAR(10 g) = 0.426 mW/g

Maximum value of SAR (measured) = 1.02 mW/g



#607_ WCDMA IV_RMC 12.2Kbps_Edge4_0cm_Ch1413**DUT: 311703**

Communication System: WCDMA; Frequency: 1732.6 MHz; Duty Cycle: 1:1

Medium: MSL_1750_120222 Medium parameters used: $f = 1733$ MHz; $\sigma = 1.496$ mho/m; $\epsilon_r = 52.279$; ρ

$= 1000$ kg/m³

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3792; ConvF(7.71, 7.71, 7.71); Calibrated: 2012/6/21;
- Sensor-Surface: 2mm (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/Ch1413/Area Scan (41x131x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.0911 mW/g

Configuration/Ch1413/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 7.542 V/m; Power Drift = 0.17 dB

Peak SAR (extrapolated) = 0.110 mW/g

SAR(1 g) = 0.067 mW/g; SAR(10 g) = 0.040 mW/g

Maximum value of SAR (measured) = 0.0886 mW/g

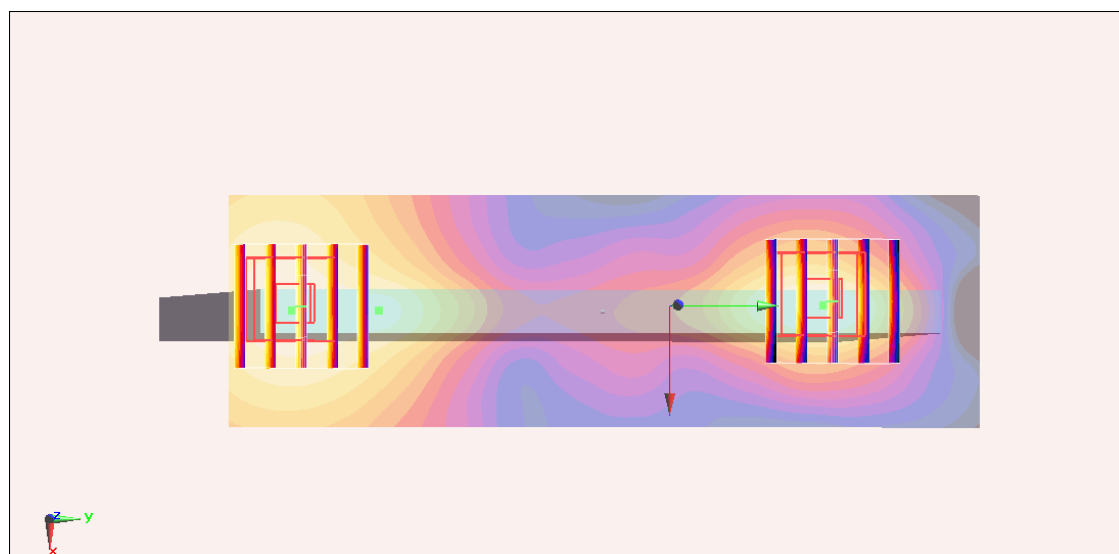
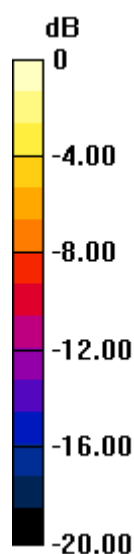
Configuration/Ch1413/Zoom Scan (5x5x7)/Cube 1: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 7.542 V/m; Power Drift = 0.17 dB

Peak SAR (extrapolated) = 0.109 mW/g

SAR(1 g) = 0.060 mW/g; SAR(10 g) = 0.031 mW/g

Maximum value of SAR (measured) = 0.0878 mW/g



0 dB = 0.0878 mW/g = -21.13 dB mW/g

#608_ WCDMA IV_RMC 12.2Kbps_Bottom Face_0cm_Ch1413**DUT: 311703**

Communication System: WCDMA; Frequency: 1732.6 MHz; Duty Cycle: 1:1

Medium: MSL_1750_120222 Medium parameters used: $f = 1733$ MHz; $\sigma = 1.496$ mho/m; $\epsilon_r = 52.279$; ρ

$= 1000$ kg/m³

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3792; ConvF(7.71, 7.71, 7.71); Calibrated: 2012/6/21;
- Sensor-Surface: 2mm (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/Ch1413/Area Scan (61x81x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 1.41 mW/g

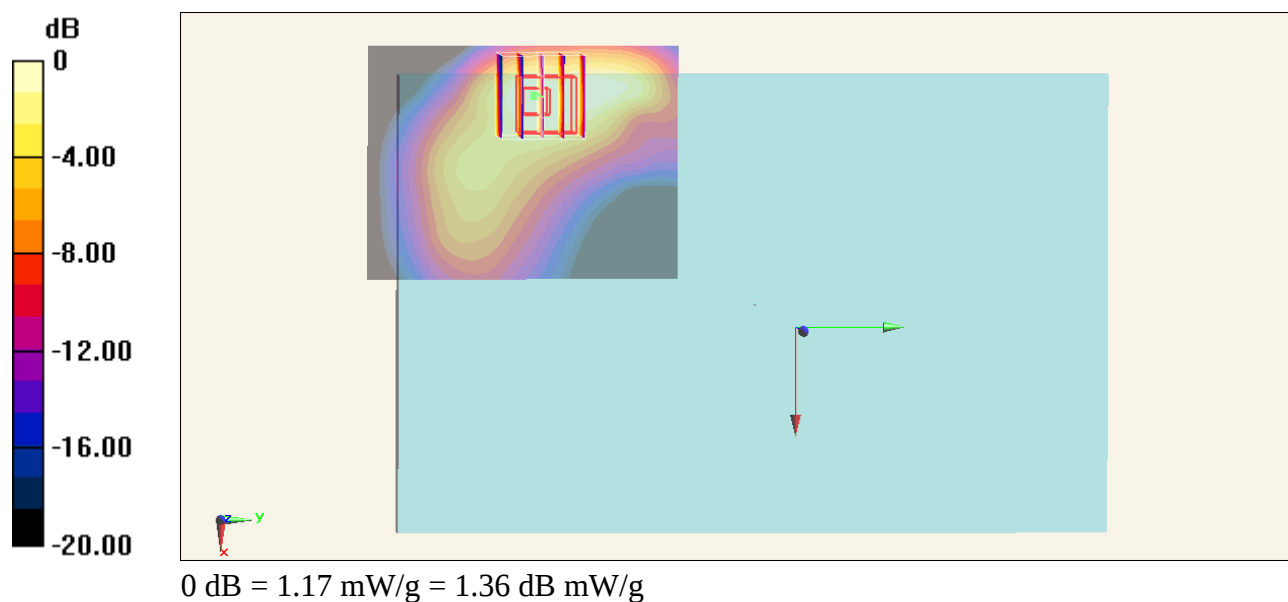
Configuration/Ch1413/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 29.593 V/m; Power Drift = -0.12 dB

Peak SAR (extrapolated) = 1.641 mW/g

SAR(1 g) = 0.902 mW/g; SAR(10 g) = 0.506 mW/g

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



#609_ WCDMA IV_RMC 12.2Kbps_Bottom Face_0cm_Ch1312**DUT: 311703**

Communication System: WCDMA; Frequency: 1712.4 MHz; Duty Cycle: 1:1

Medium: MSL_1750_120222 Medium parameters used: $f = 1712.4$ MHz; $\sigma = 1.474$ mho/m; $\epsilon_r = 52.335$;

$\rho = 1000$ kg/m³

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3792; ConvF(7.71, 7.71, 7.71); Calibrated: 2012/6/21;
- Sensor-Surface: 2mm (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/Ch1312/Area Scan (61x81x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 1.41 mW/g

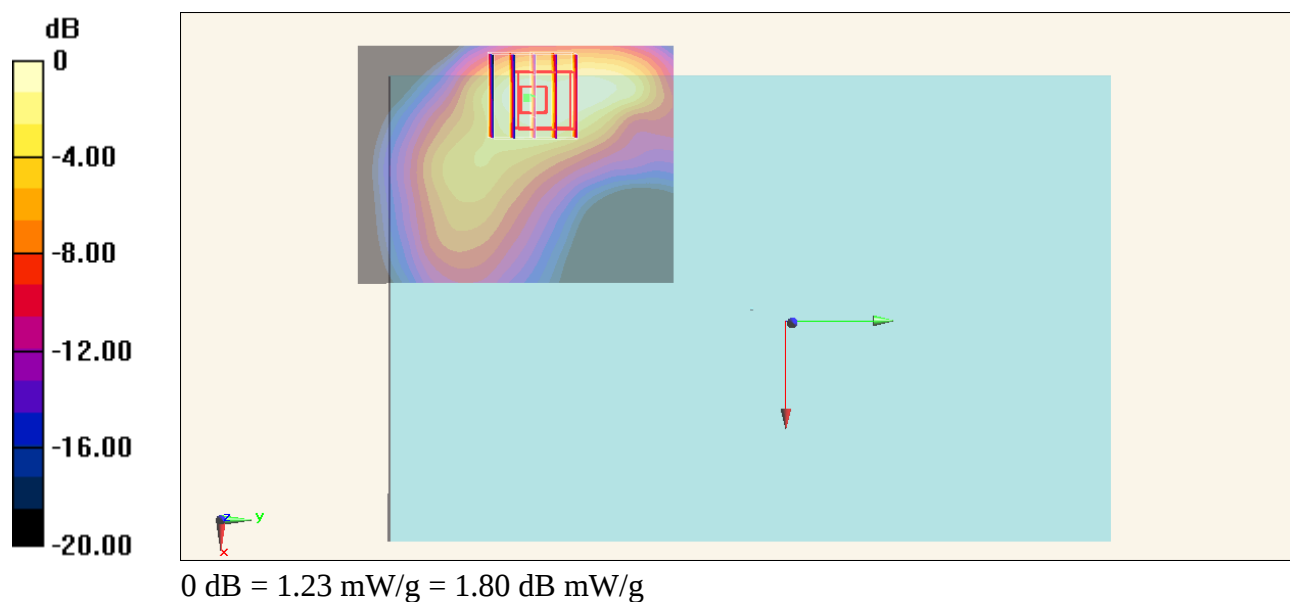
Configuration/Ch1312/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 29.704 V/m; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 1.614 mW/g

SAR(1 g) = 0.931 mW/g; SAR(10 g) = 0.532 mW/g

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



#610_ WCDMA IV_RMC 12.2Kbps_Bottom Face_0cm_Ch1513**DUT: 311703**

Communication System: WCDMA; Frequency: 1752.6 MHz; Duty Cycle: 1:1

Medium: MSL_1750_120222 Medium parameters used: $f = 1753$ MHz; $\sigma = 1.519$ mho/m; $\epsilon_r = 52.228$; ρ

$= 1000$ kg/m³

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3792; ConvF(7.71, 7.71, 7.71); Calibrated: 2012/6/21;
- Sensor-Surface: 2mm (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/Ch1513/Area Scan (61x81x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 1.37 mW/g

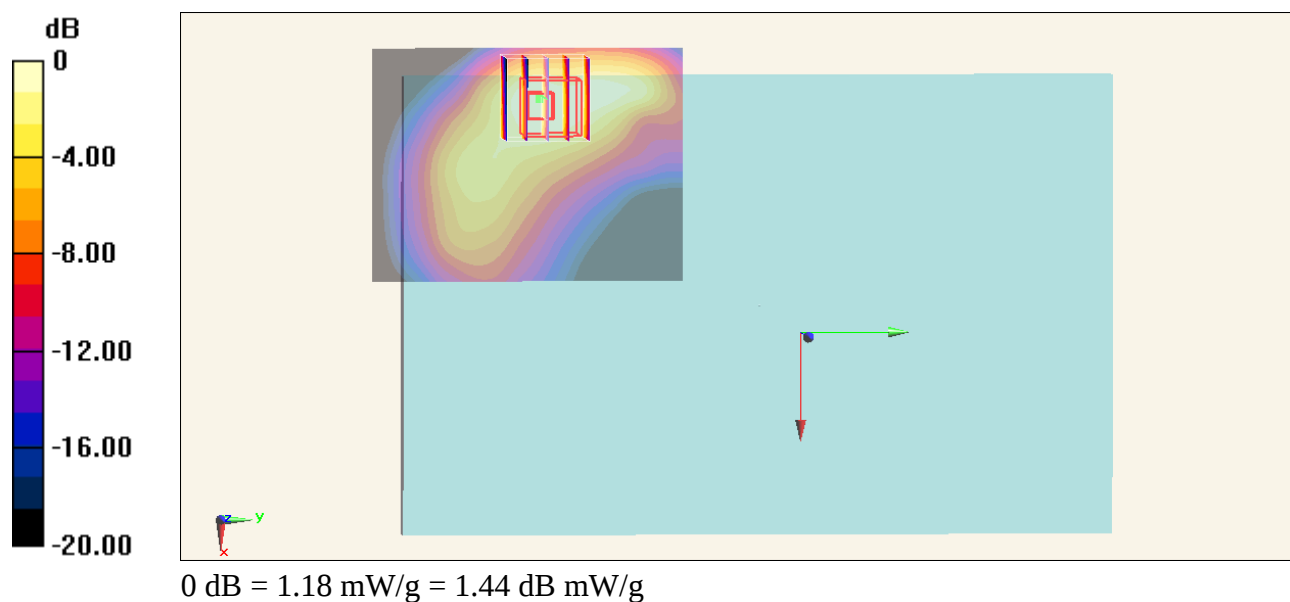
Configuration/Ch1513/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 29.088 V/m; Power Drift = -0.15 dB

Peak SAR (extrapolated) = 1.666 mW/g

SAR(1 g) = 0.919 mW/g; SAR(10 g) = 0.509 mW/g

Maximum value of SAR (measured) = 1.18 mW/g



#611_ WCDMA IV_RMC 12.2Kbps_Edge3_0cm_Ch1413**DUT: 311703**

Communication System: WCDMA; Frequency: 1732.6 MHz; Duty Cycle: 1:1

Medium: MSL_1750_120222 Medium parameters used: $f = 1733$ MHz; $\sigma = 1.496$ mho/m; $\epsilon_r = 52.279$; ρ

$= 1000$ kg/m³

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3792; ConvF(7.71, 7.71, 7.71); Calibrated: 2012/6/21;
- Sensor-Surface: 2mm (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/Ch1413/Area Scan (41x91x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 1.04 mW/g

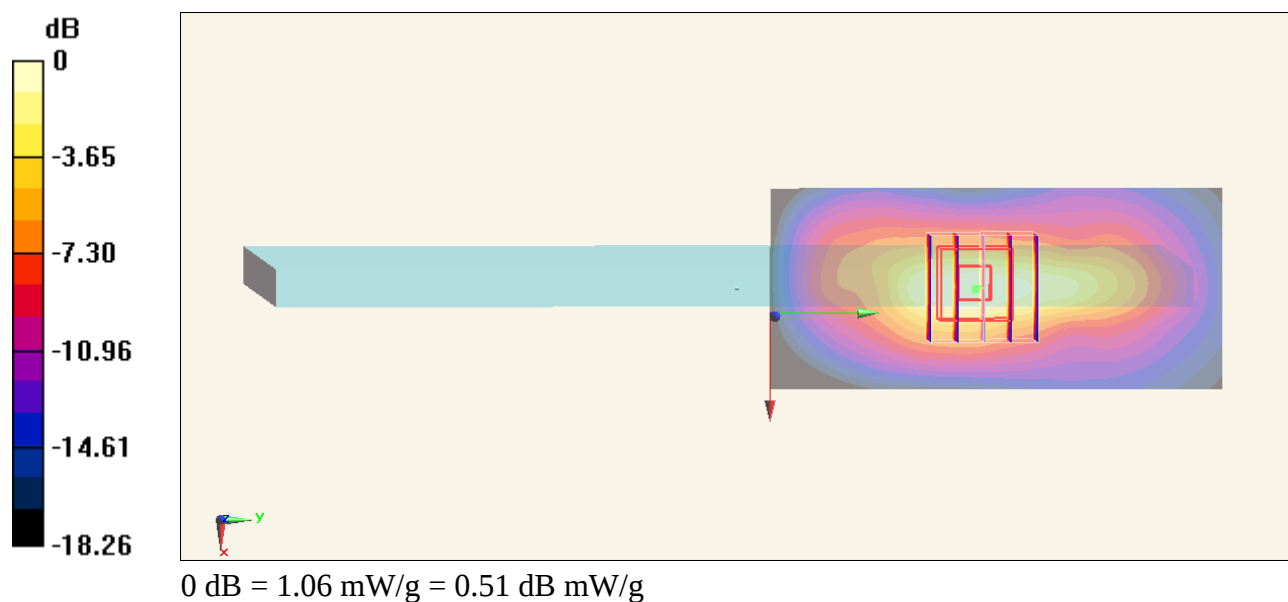
Configuration/Ch1413/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 27.199 V/m; Power Drift = -0.06 dB

Peak SAR (extrapolated) = 1.339 mW/g

SAR(1 g) = 0.761 mW/g; SAR(10 g) = 0.406 mW/g

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



#614_ WCDMA IV_RMC 12.2Kbps_Curved surface of Edge3_0cm_Ch1413**DUT: 311703**

Communication System: WCDMA; Frequency: 1732.6 MHz; Duty Cycle: 1:1

Medium: MSL_1750_120222 Medium parameters used: $f = 1733$ MHz; $\sigma = 1.496$ mho/m; $\epsilon_r = 52.279$; ρ

$= 1000$ kg/m³

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3792; ConvF(7.71, 7.71, 7.71); Calibrated: 2012/6/21;
- Sensor-Surface: 2mm (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/Ch1413/Area Scan (61x81x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 1.58 mW/g

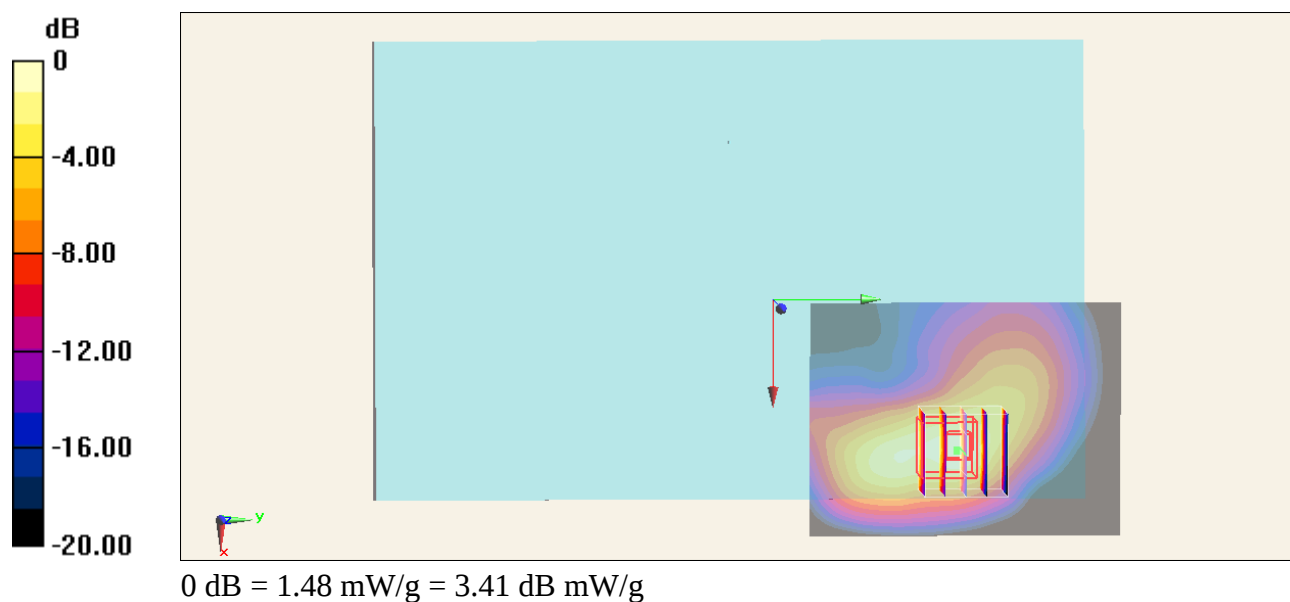
Configuration/Ch1413/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 31.181 V/m; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 2.212 mW/g

SAR(1 g) = 1.17 mW/g; SAR(10 g) = 0.629 mW/g

Maximum value of SAR (measured) = 1.48 mW/g



#615_ WCDMA IV_RMC 12.2Kbps_Curved surface of Edge3_0cm_Ch1312**DUT: 311703**

Communication System: WCDMA; Frequency: 1712.4 MHz; Duty Cycle: 1:1

Medium: MSL_1750_120222 Medium parameters used: $f = 1712.4$ MHz; $\sigma = 1.474$ mho/m; $\epsilon_r = 52.335$; $\rho = 1000$ kg/m³

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3792; ConvF(7.71, 7.71, 7.71); Calibrated: 2012/6/21;
- Sensor-Surface: 2mm (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/Ch1312/Area Scan (61x81x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 1.71 mW/g**Configuration/Ch1312/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 32.781 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 2.039 mW/g

SAR(1 g) = 1.09 mW/g; SAR(10 g) = 0.594 mW/g

Maximum value of SAR (measured) = 1.56 mW/g

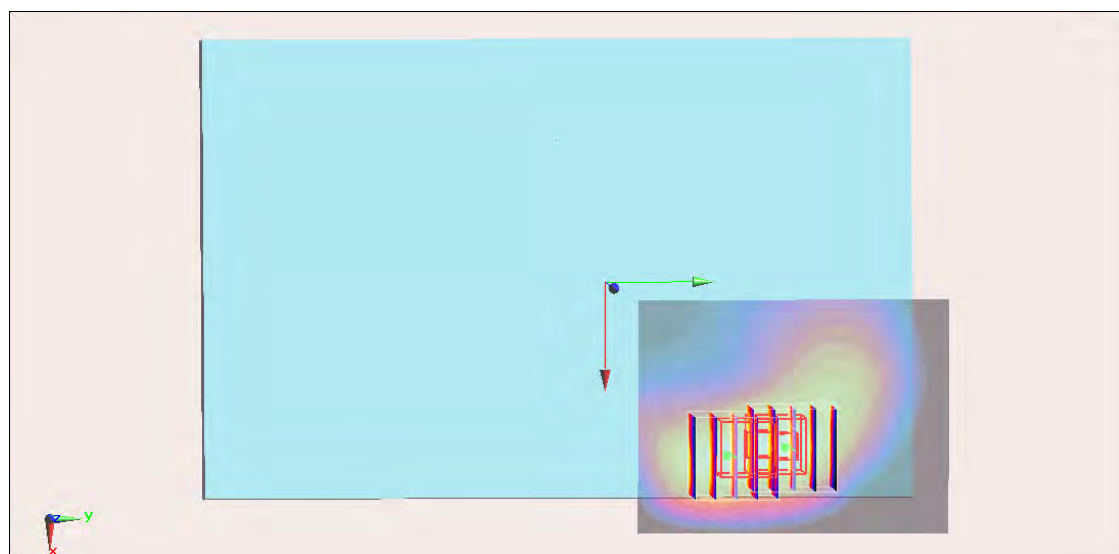
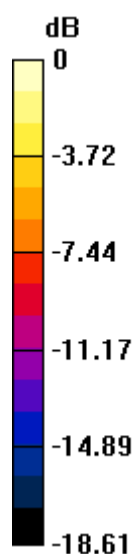
Configuration/Ch1312/Zoom Scan (5x5x7)/Cube 1: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 32.781 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 1.817 mW/g

SAR(1 g) = 1.05 mW/g; SAR(10 g) = 0.571 mW/g

Maximum value of SAR (measured) = 1.41 mW/g



0 dB = 1.41 mW/g = 2.98 dB mW/g

#616_ WCDMA IV_RMC 12.2Kbps_Curved surface of Edge3_0cm_Ch1513**DUT: 311703**

Communication System: WCDMA; Frequency: 1752.6 MHz; Duty Cycle: 1:1

Medium: MSL_1750_120222 Medium parameters used: $f = 1753$ MHz; $\sigma = 1.519$ mho/m; $\epsilon_r = 52.228$; ρ $= 1000$ kg/m³

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3792; ConvF(7.71, 7.71, 7.71); Calibrated: 2012/6/21;
- Sensor-Surface: 2mm (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)

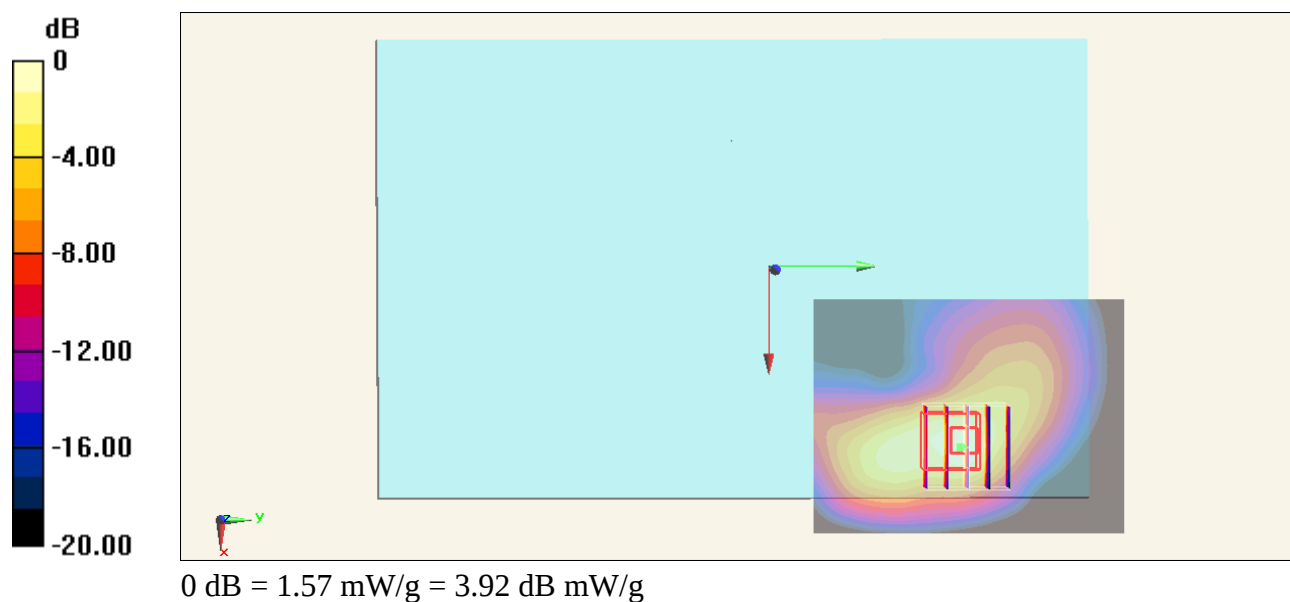
Configuration/Ch1513/Area Scan (61x81x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 1.68 mW/g**Configuration/Ch1513/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 31.837 V/m; Power Drift = -0.10 dB

Peak SAR (extrapolated) = 2.424 mW/g

SAR(1 g) = 1.25 mW/g; SAR(10 g) = 0.659 mW/g

Maximum value of SAR (measured) = 1.57 mW/g



#617_ WCDMA IV_RMC 12.2Kbps_Curved surface of Edge3_0cm_Ch1513**DUT: 311703**

Communication System: WCDMA; Frequency: 1752.6 MHz; Duty Cycle: 1:1

Medium: MSL_1750_120222 Medium parameters used: $f = 1753$ MHz; $\sigma = 1.519$ mho/m; $\epsilon_r = 52.228$; ρ

$= 1000$ kg/m³

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3792; ConvF(7.71, 7.71, 7.71); Calibrated: 2012/6/21;
- Sensor-Surface: 2mm (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/Ch1513/Area Scan (61x81x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 1.86 mW/g

Configuration/Ch1513/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 32.586 V/m; Power Drift = 0.08 dB

Peak SAR (extrapolated) = 2.329 mW/g

SAR(1 g) = 1.2 mW/g; SAR(10 g) = 0.635 mW/g

Maximum value of SAR (measured) = 1.64 mW/g

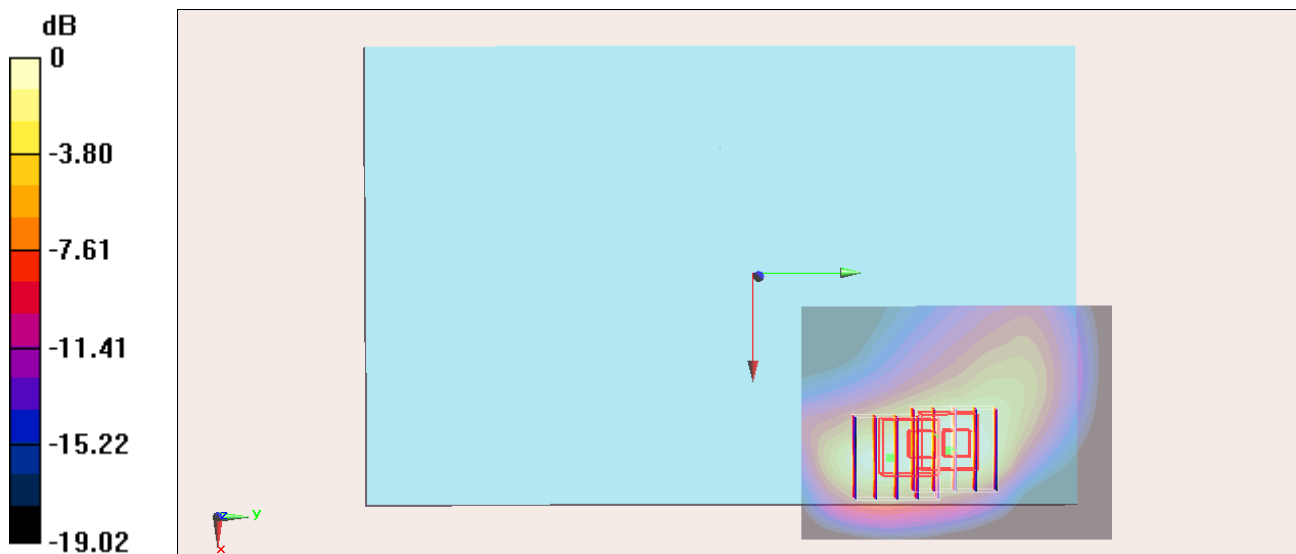
Configuration/Ch1513/Zoom Scan (5x5x7)/Cube 1: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 32.586 V/m; Power Drift = 0.08 dB

Peak SAR (extrapolated) = 1.789 mW/g

SAR(1 g) = 1.05 mW/g; SAR(10 g) = 0.561 mW/g

Maximum value of SAR (measured) = 1.39 mW/g



0 dB = 1.39 mW/g = 2.86 dB mW/g

#618_ WCDMA IV_HSDPA Subtest-1_Curved surface of Edge3_0cm_Ch1413**DUT: 311703**

Communication System: WCDMA; Frequency: 1732.6 MHz; Duty Cycle: 1:1

Medium: MSL_1750_120222 Medium parameters used: $f = 1733$ MHz; $\sigma = 1.496$ mho/m; $\epsilon_r = 52.279$; ρ $= 1000$ kg/m³

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3792; ConvF(7.71, 7.71, 7.71); Calibrated: 2012/6/21;
- Sensor-Surface: 2mm (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/Ch1413/Area Scan (61x81x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 1.88 mW/g**Configuration/Ch1413/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 32.741 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 2.311 mW/g

SAR(1 g) = 1.19 mW/g; SAR(10 g) = 0.629 mW/g

Maximum value of SAR (measured) = 1.62 mW/g

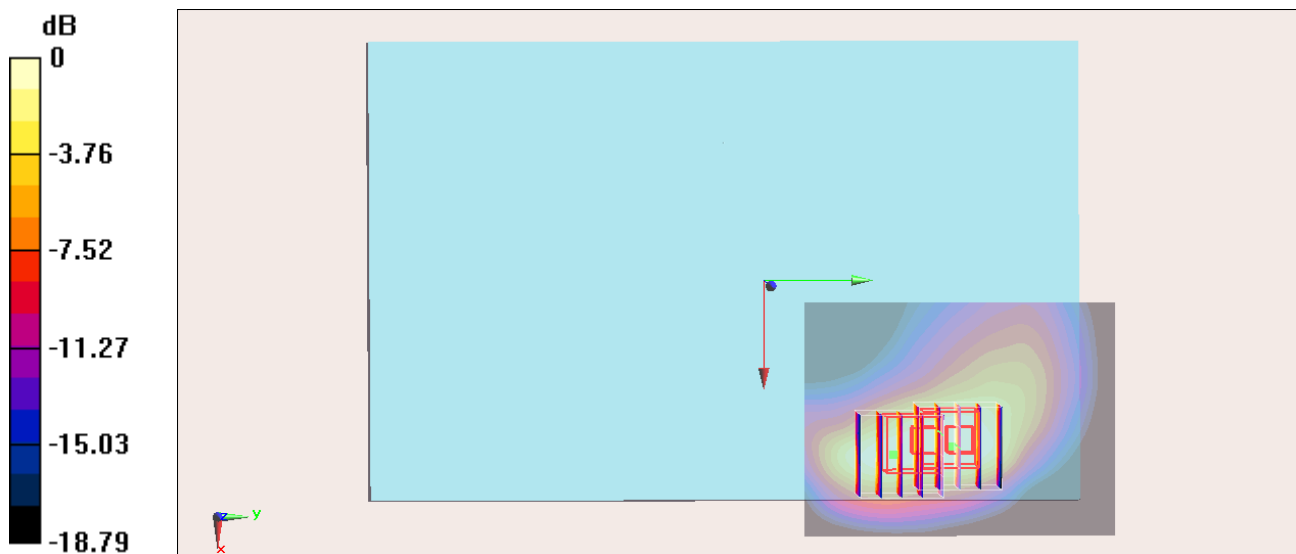
Configuration/Ch1413/Zoom Scan (5x5x7)/Cube 1: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 32.741 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 1.794 mW/g

SAR(1 g) = 1.02 mW/g; SAR(10 g) = 0.553 mW/g

Maximum value of SAR (measured) = 1.38 mW/g



0 dB = 1.38 mW/g = 2.80 dB mW/g

#619_ WCDMA IV_HSDPA Subtest-1_Curved surface of Edge3_0cm_Ch1312**DUT: 311703**

Communication System: WCDMA; Frequency: 1712.4 MHz; Duty Cycle: 1:1

Medium: MSL_1750_120222 Medium parameters used: $f = 1712.4$ MHz; $\sigma = 1.474$ mho/m; $\epsilon_r = 52.335$; $\rho = 1000$ kg/m³

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3792; ConvF(7.71, 7.71, 7.71); Calibrated: 2012/6/21;
- Sensor-Surface: 2mm (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/Ch1312/Area Scan (61x81x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 1.81 mW/g**Configuration/Ch1312/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 32.601 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 2.193 mW/g

SAR(1 g) = 1.13 mW/g; SAR(10 g) = 0.615 mW/g

Maximum value of SAR (measured) = 1.57 mW/g

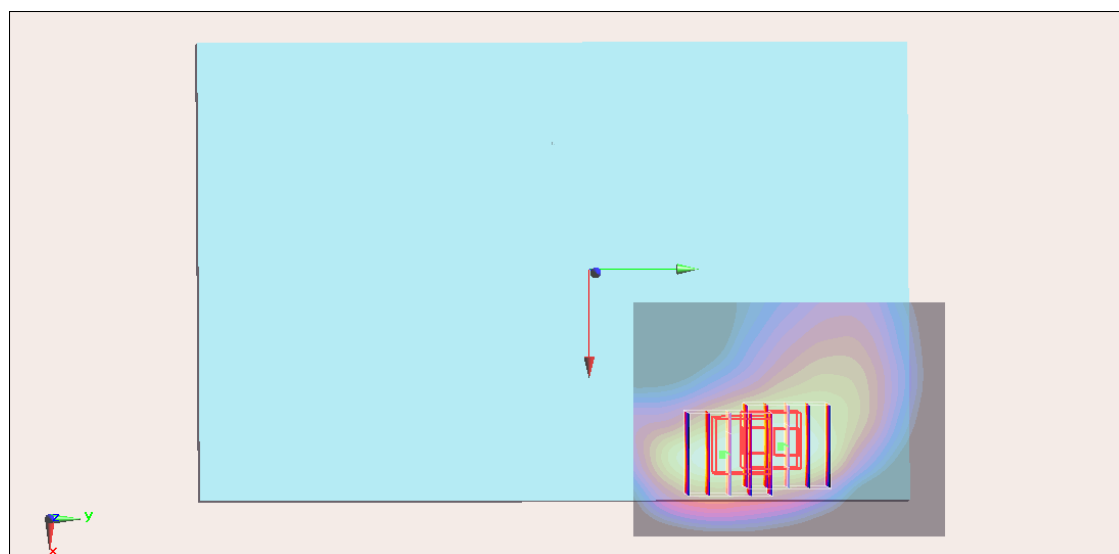
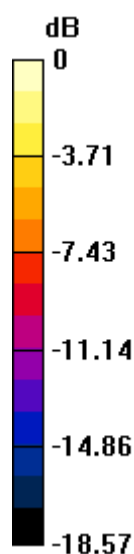
Configuration/Ch1312/Zoom Scan (5x5x7)/Cube 1: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 32.601 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 1.840 mW/g

SAR(1 g) = 1.04 mW/g; SAR(10 g) = 0.564 mW/g

Maximum value of SAR (measured) = 1.43 mW/g



0 dB = 1.43 mW/g = 3.11 dB mW/g

#620_ WCDMA IV_HSDPA Subtest-1_Curved surface of Edge3_0cm_Ch1513**DUT: 311703**

Communication System: WCDMA; Frequency: 1752.6 MHz; Duty Cycle: 1:1

Medium: MSL_1750_120222 Medium parameters used: $f = 1753$ MHz; $\sigma = 1.519$ mho/m; $\epsilon_r = 52.228$; ρ $= 1000$ kg/m³

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3792; ConvF(7.71, 7.71, 7.71); Calibrated: 2012/6/21;
- Sensor-Surface: 2mm (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/Ch1513/Area Scan (61x81x1): Measurement grid: dx=15mm, dy=15mm
 Maximum value of SAR (interpolated) = 1.82 mW/g

Configuration/Ch1513/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 33.374 V/m; Power Drift = 0.05 dB

Peak SAR (extrapolated) = 2.363 mW/g

SAR(1 g) = 1.2 mW/g; SAR(10 g) = 0.619 mW/g

Maximum value of SAR (measured) = 1.74 mW/g

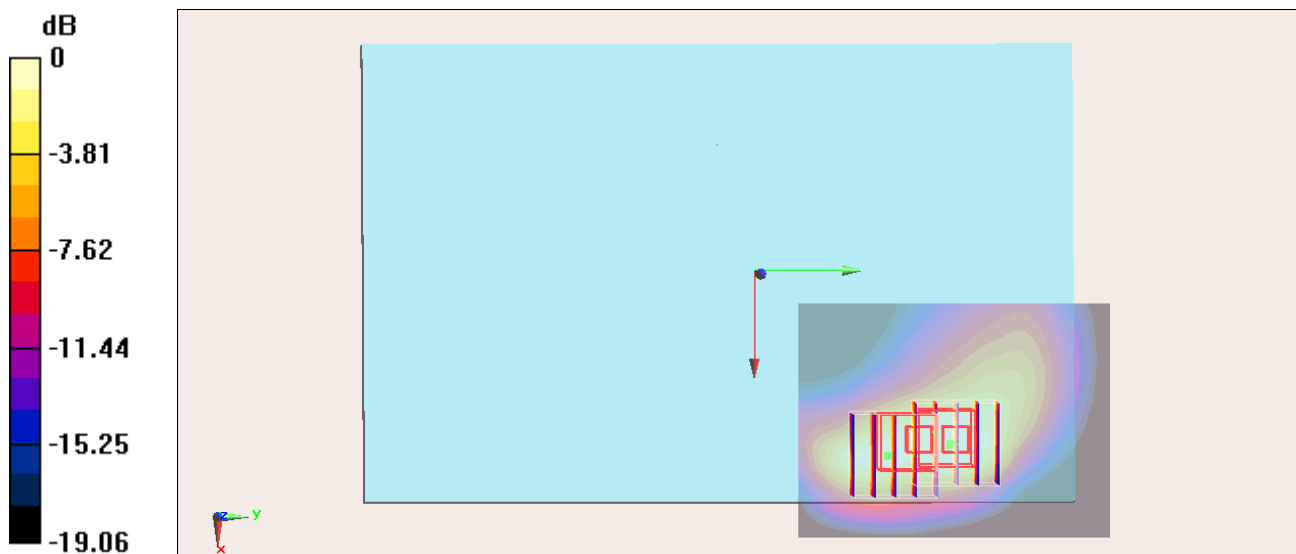
Configuration/Ch1513/Zoom Scan (5x5x7)/Cube 1: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 33.374 V/m; Power Drift = 0.05 dB

Peak SAR (extrapolated) = 1.679 mW/g

SAR(1 g) = 0.959 mW/g; SAR(10 g) = 0.516 mW/g

Maximum value of SAR (measured) = 1.33 mW/g



0 dB = 1.33 mW/g = 2.48 dB mW/g

#621_ WCDMA IV_HSPA Subtest-5_Curved surface of Edge3_0cm_Ch1413**DUT: 311703**

Communication System: WCDMA; Frequency: 1732.6 MHz; Duty Cycle: 1:1

Medium: MSL_1750_120222 Medium parameters used: $f = 1733$ MHz; $\sigma = 1.496$ mho/m; $\epsilon_r = 52.279$; ρ $= 1000$ kg/m³

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3792; ConvF(7.71, 7.71, 7.71); Calibrated: 2012/6/21;
- Sensor-Surface: 2mm (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/Ch1413/Area Scan (61x81x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 1.49 mW/g**Configuration/Ch1413/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 29.393 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 1.905 mW/g

SAR(1 g) = 0.964 mW/g; SAR(10 g) = 0.508 mW/g

Maximum value of SAR (measured) = 1.32 mW/g

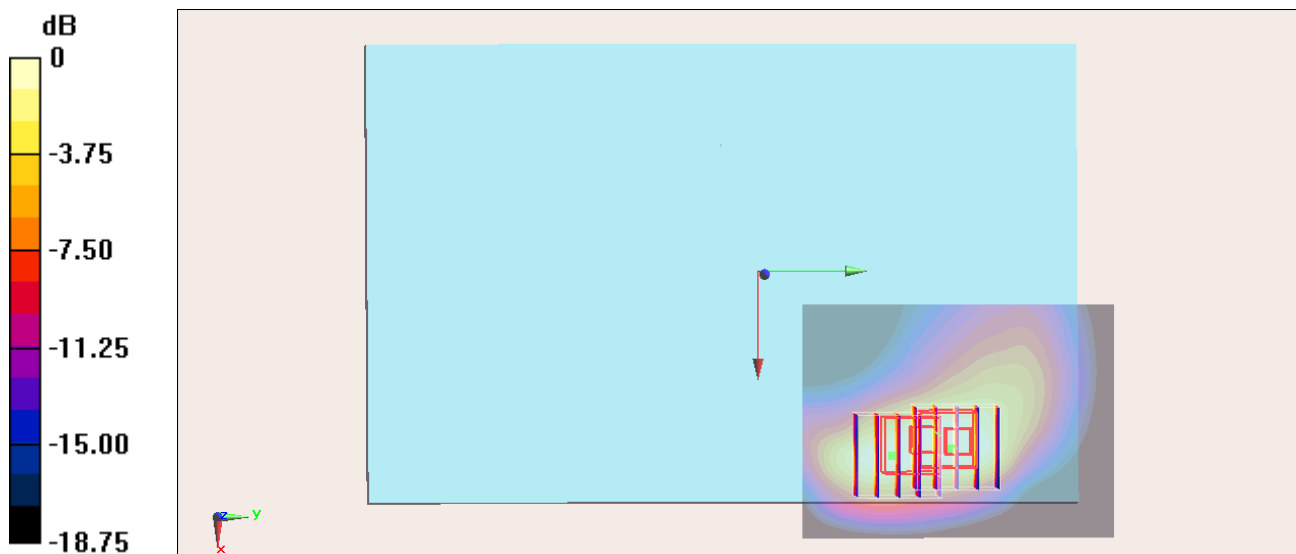
Configuration/Ch1413/Zoom Scan (5x5x7)/Cube 1: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 29.393 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 1.435 mW/g

SAR(1 g) = 0.815 mW/g; SAR(10 g) = 0.442 mW/g

Maximum value of SAR (measured) = 1.11 mW/g



0 dB = 1.11 mW/g = 0.91 dB mW/g

#622_ WCDMA IV_HSPA Subtest-5_Curved surface of Edge3_0cm_Ch1312**DUT: 311703**

Communication System: WCDMA; Frequency: 1712.4 MHz; Duty Cycle: 1:1

Medium: MSL_1750_120222 Medium parameters used: $f = 1712.4$ MHz; $\sigma = 1.474$ mho/m; $\epsilon_r = 52.335$; $\rho = 1000$ kg/m³

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3792; ConvF(7.71, 7.71, 7.71); Calibrated: 2012/6/21;
- Sensor-Surface: 2mm (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/Ch1312/Area Scan (61x81x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 1.41 mW/g**Configuration/Ch1312/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 28.991 V/m; Power Drift = -0.00 dB

Peak SAR (extrapolated) = 1.736 mW/g

SAR(1 g) = 0.899 mW/g; SAR(10 g) = 0.490 mW/g

Maximum value of SAR (measured) = 1.24 mW/g

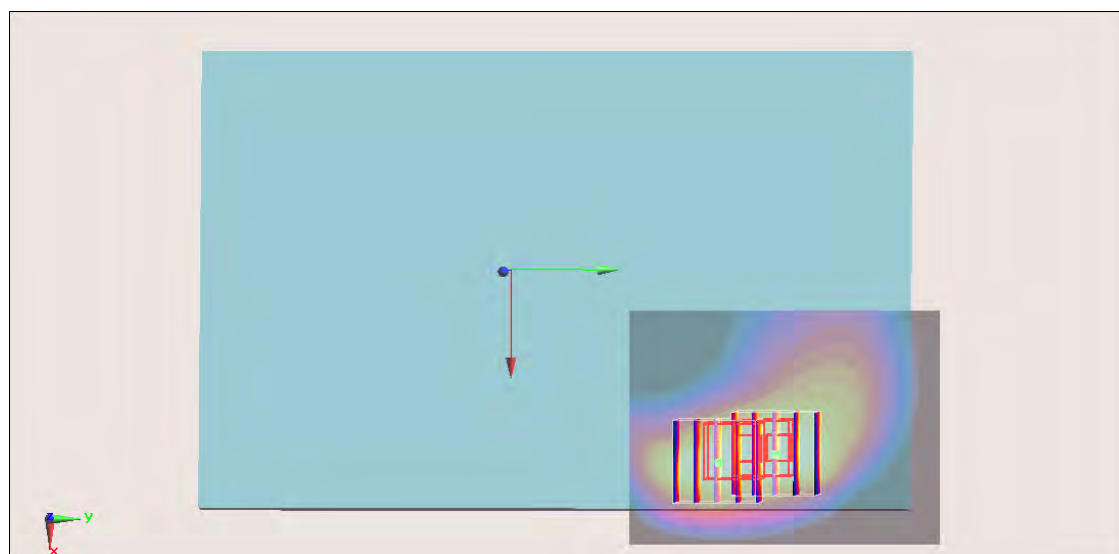
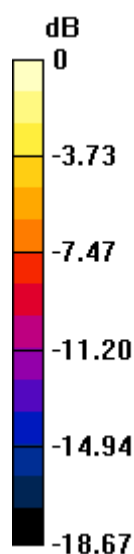
Configuration/Ch1312/Zoom Scan (5x5x7)/Cube 1: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 28.991 V/m; Power Drift = -0.00 dB

Peak SAR (extrapolated) = 1.456 mW/g

SAR(1 g) = 0.818 mW/g; SAR(10 g) = 0.446 mW/g

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



0 dB = 1.13 mW/g = 1.06 dB mW/g

#623_ WCDMA IV_HSPA Subtest-5_Curved surface of Edge3_0cm_Ch1513**DUT: 311703**

Communication System: WCDMA; Frequency: 1752.6 MHz; Duty Cycle: 1:1

Medium: MSL_1750_120222 Medium parameters used: $f = 1753$ MHz; $\sigma = 1.519$ mho/m; $\epsilon_r = 52.228$; ρ

$= 1000$ kg/m³

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3792; ConvF(7.71, 7.71, 7.71); Calibrated: 2012/6/21;
- Sensor-Surface: 2mm (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/Ch1513/Area Scan (61x81x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 1.47 mW/g

Configuration/Ch1513/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 29.815 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 1.836 mW/g

SAR(1 g) = 0.941 mW/g; SAR(10 g) = 0.487 mW/g

Maximum value of SAR (measured) = 1.35 mW/g

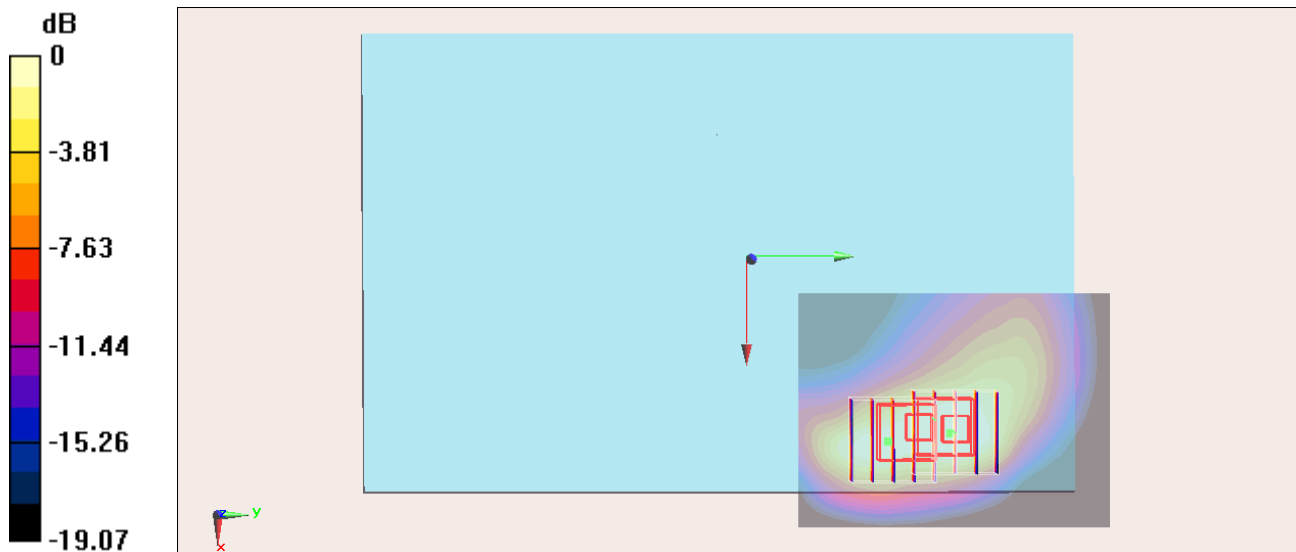
Configuration/Ch1513/Zoom Scan (5x5x7)/Cube 1: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 29.815 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 1.347 mW/g

SAR(1 g) = 0.768 mW/g; SAR(10 g) = 0.412 mW/g

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



0 dB = 1.03 mW/g = 0.26 dB mW/g

#64_ WCDMA II_RMC 12.2Kbps_Bottom Face_1cm_Ch9538**DUT: 12-4-138**

Communication System: WCDMA; Frequency: 1907.6 MHz; Duty Cycle: 1:1

Medium: MSL_1900_130111 Medium parameters used: $f = 1908$ MHz; $\sigma = 1.507$ mho/m; $\epsilon_r = 53.218$; ρ

$= 1000$ kg/m³

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

DASY5 Configuration:

- Probe: ES3DV3 - SN3270; ConvF(4.67, 4.67, 4.67); 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/Ch9538/Area Scan (61x81x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.808 mW/g

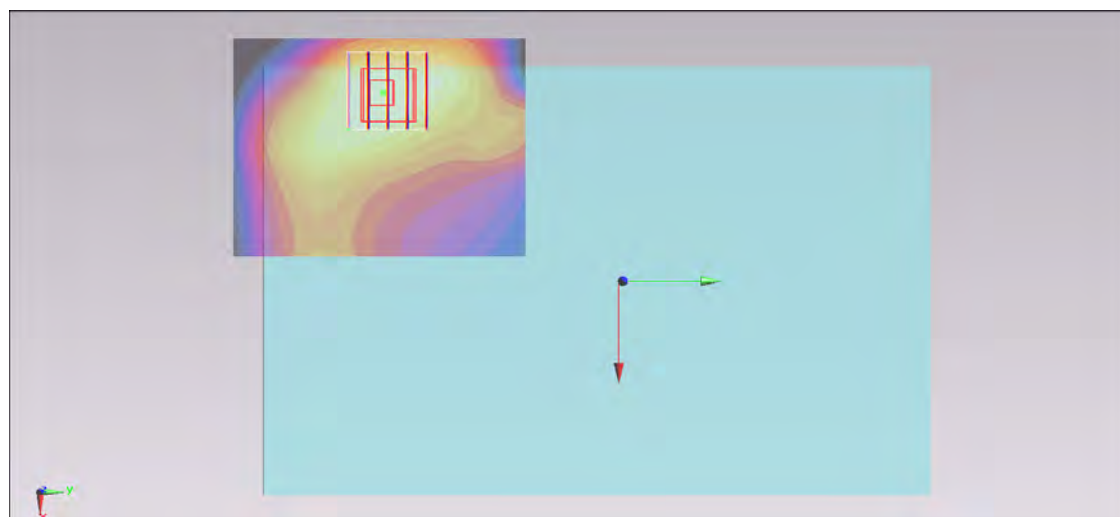
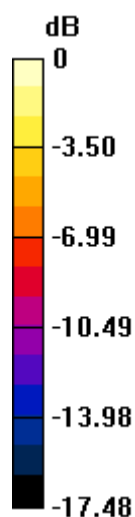
Configuration/Ch9538/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 23.248 V/m; Power Drift = -0.07 dB

Peak SAR (extrapolated) = 1.087 mW/g

SAR(1 g) = 0.634 mW/g; SAR(10 g) = 0.375 mW/g

Maximum value of SAR (measured) = 0.752 mW/g



0 dB = 0.752 mW/g = -2.48 dB mW/g

#65_ WCDMA II_RMC 12.2Kbps_Bottom Face_1cm_Ch9262**DUT: 12-4-138**

Communication System: WCDMA; Frequency: 1852.4 MHz; Duty Cycle: 1:1

Medium: MSL_1900_130111 Medium parameters used : $f = 1852.4$ MHz; $\sigma = 1.463$ mho/m; $\epsilon_r = 53.483$;

$\rho = 1000$ kg/m³

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

DASY5 Configuration:

- Probe: ES3DV3 - SN3270; ConvF(4.67, 4.67, 4.67); 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/Ch9262/Area Scan (61x81x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.675 mW/g

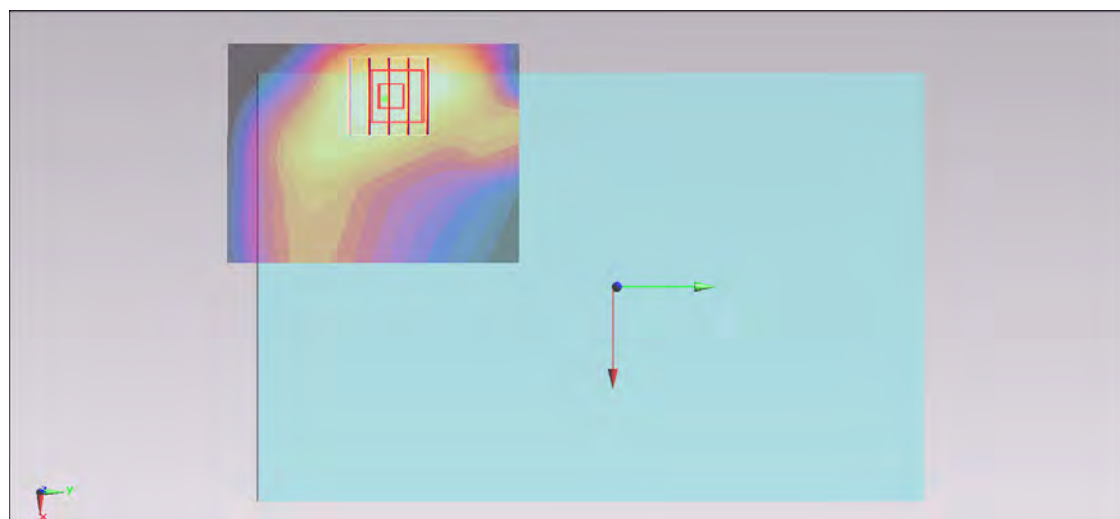
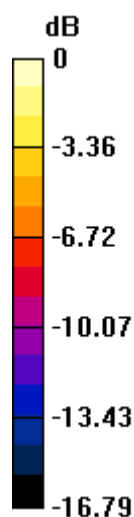
Configuration/Ch9262/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 21.010 V/m; Power Drift = 0.11 dB

Peak SAR (extrapolated) = 0.855 mW/g

SAR(1 g) = 0.530 mW/g; SAR(10 g) = 0.322 mW/g

Maximum value of SAR (measured) = 0.628 mW/g



0 dB = 0.628 mW/g = -4.04 dB mW/g

#66_ WCDMA II_RMC 12.2Kbps_Bottom Face_1cm_Ch9400**DUT: 12-4-138**

Communication System: WCDMA; Frequency: 1880 MHz; Duty Cycle: 1:1

Medium: MSL_1900_130111 Medium parameters used: $f = 1880$ MHz; $\sigma = 1.484$ mho/m; $\epsilon_r = 53.379$; ρ

$= 1000$ kg/m³

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

DASY5 Configuration:

- Probe: ES3DV3 - SN3270; ConvF(4.67, 4.67, 4.67); 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/Ch9400/Area Scan (61x81x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.766 mW/g

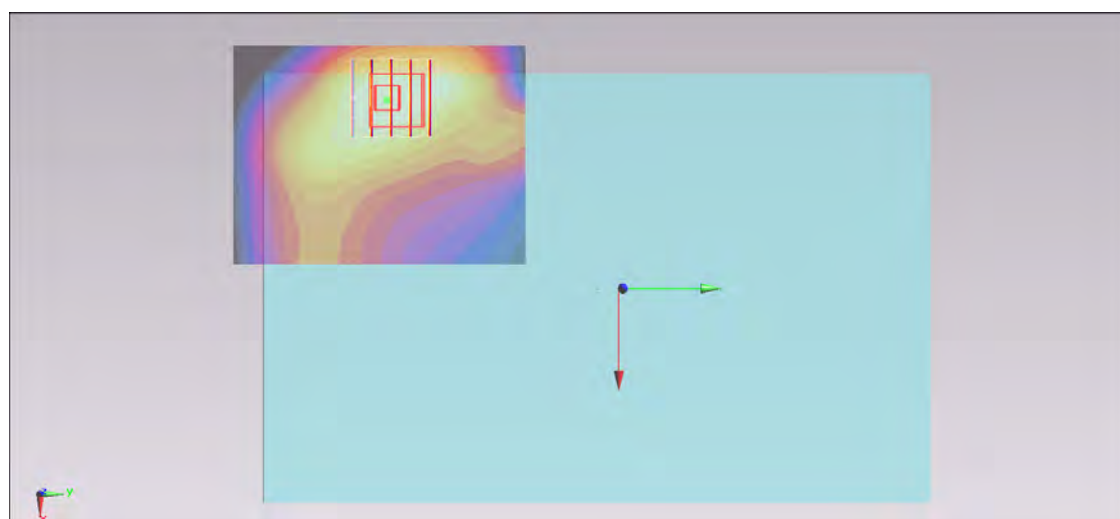
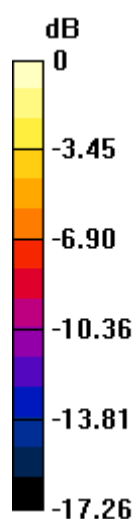
Configuration/Ch9400/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 22.645 V/m; Power Drift = 0.06 dB

Peak SAR (extrapolated) = 1.021 mW/g

SAR(1 g) = 0.608 mW/g; SAR(10 g) = 0.366 mW/g

Maximum value of SAR (measured) = 0.723 mW/g



0 dB = 0.723 mW/g = -2.82 dB mW/g

#67_ WCDMA II_RMC 12.2Kbps_Edge3_0.8cm_Ch9538**DUT: 12-4-138**

Communication System: WCDMA; Frequency: 1907.6 MHz; Duty Cycle: 1:1

Medium: MSL_1900_130114 Medium parameters used: $f = 1908$ MHz; $\sigma = 1.523$ mho/m; $\epsilon_r = 53.589$; ρ

$= 1000$ kg/m³

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3792; ConvF(7.29, 7.29, 7.29); Calibrated: 2012/6/21;
- Sensor-Surface: 2mm (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/Ch9538/Area Scan (41x91x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 1.15 mW/g

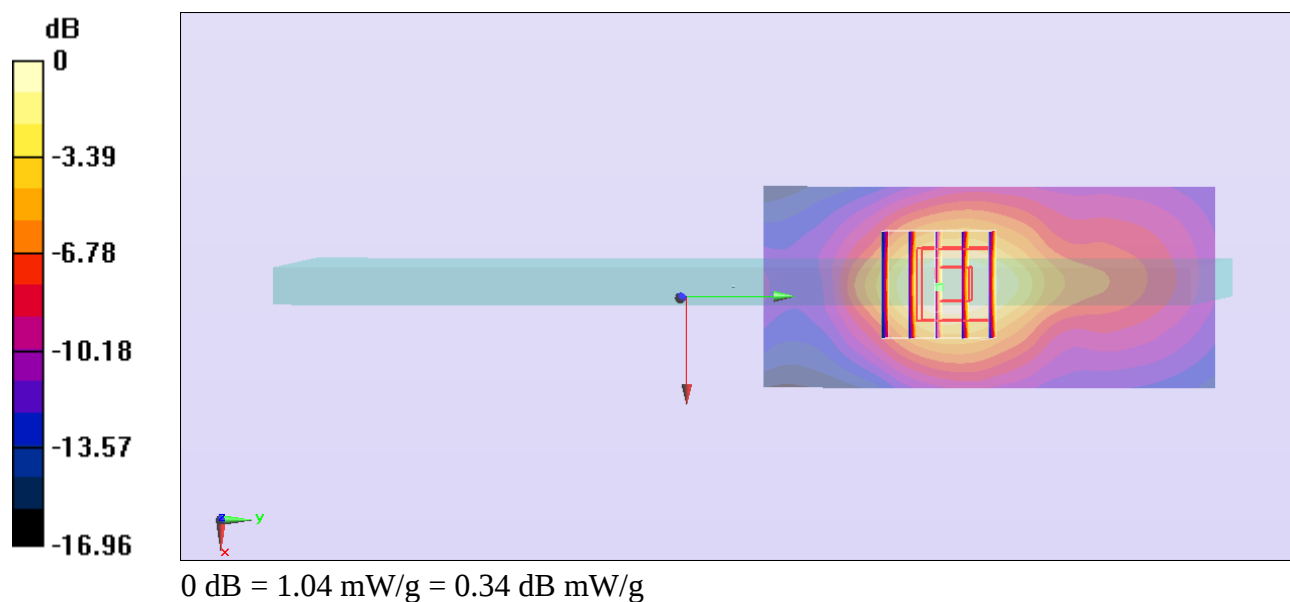
Configuration/Ch9538/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 26.712 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 1.291 mW/g

SAR(1 g) = 0.799 mW/g; SAR(10 g) = 0.460 mW/g

Maximum value of SAR (measured) = 1.04 mW/g



#68_ WCDMA II_RMC 12.2Kbps_Edge3_0.8cm_Ch9262**DUT: 12-4-138**

Communication System: WCDMA; Frequency: 1852.4 MHz; Duty Cycle: 1:1

Medium: MSL_1900_130114 Medium parameters used: $f = 1852.4$ MHz; $\sigma = 1.478$ mho/m; $\epsilon_r = 53.849$;

$\rho = 1000$ kg/m³

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3792; ConvF(7.29, 7.29, 7.29); Calibrated: 2012/6/21;
- Sensor-Surface: 2mm (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/Ch9262/Area Scan (41x91x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.895 mW/g

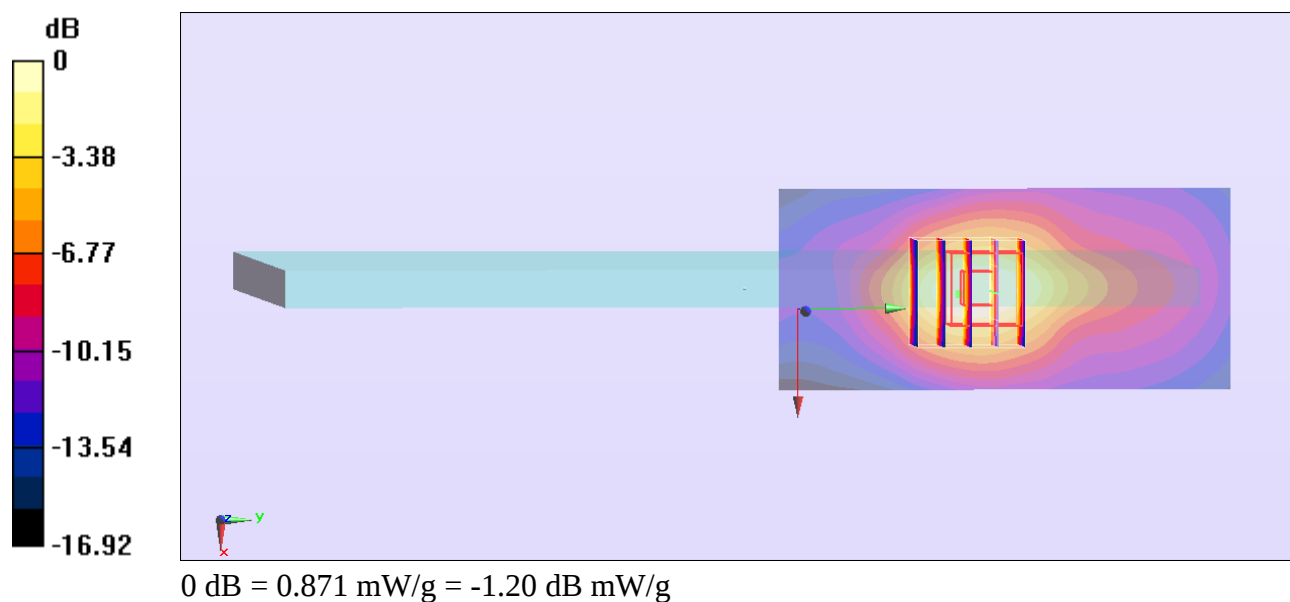
Configuration/Ch9262/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 24.256 V/m; Power Drift = 0.14 dB

Peak SAR (extrapolated) = 1.066 mW/g

SAR(1 g) = 0.666 mW/g; SAR(10 g) = 0.385 mW/g

Maximum value of SAR (measured) = 0.871 mW/g



#69_ WCDMA II_RMC 12.2Kbps_Edge3_0.8cm_Ch9400**DUT: 12-4-138**

Communication System: WCDMA; Frequency: 1880 MHz; Duty Cycle: 1:1

Medium: MSL_1900_130114 Medium parameters used: $f = 1880$ MHz; $\sigma = 1.5$ mho/m; $\epsilon_r = 53.744$; $\rho =$

1000 kg/m^3

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3792; ConvF(7.29, 7.29, 7.29); Calibrated: 2012/6/21;
- Sensor-Surface: 2mm (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/Ch9400/Area Scan (41x91x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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

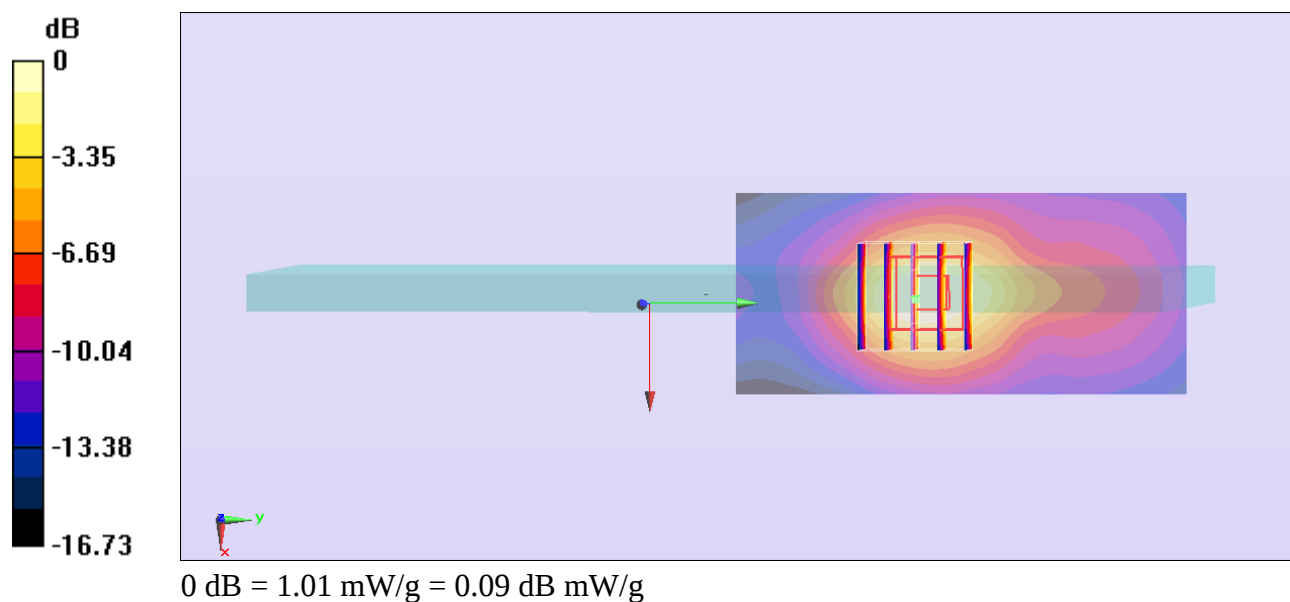
Configuration/Ch9400/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 26.169 V/m ; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 1.234 mW/g

SAR(1 g) = 0.767 mW/g ; SAR(10 g) = 0.442 mW/g

Maximum value of SAR (measured) = 1.01 mW/g



#70_ WCDMA II_RMC 12.2Kbps_Edge4_0cm_Ch9538**DUT: 12-4-138**

Communication System: WCDMA; Frequency: 1907.6 MHz; Duty Cycle: 1:1

Medium: MSL_1900_130111 Medium parameters used: $f = 1908$ MHz; $\sigma = 1.507$ mho/m; $\epsilon_r = 53.218$; ρ

$= 1000$ kg/m³

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

DASY5 Configuration:

- Probe: ES3DV3 - SN3270; ConvF(4.67, 4.67, 4.67); 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/Ch9538/Area Scan (41x131x1): Measurement grid: dx=15mm, dy=15mm

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

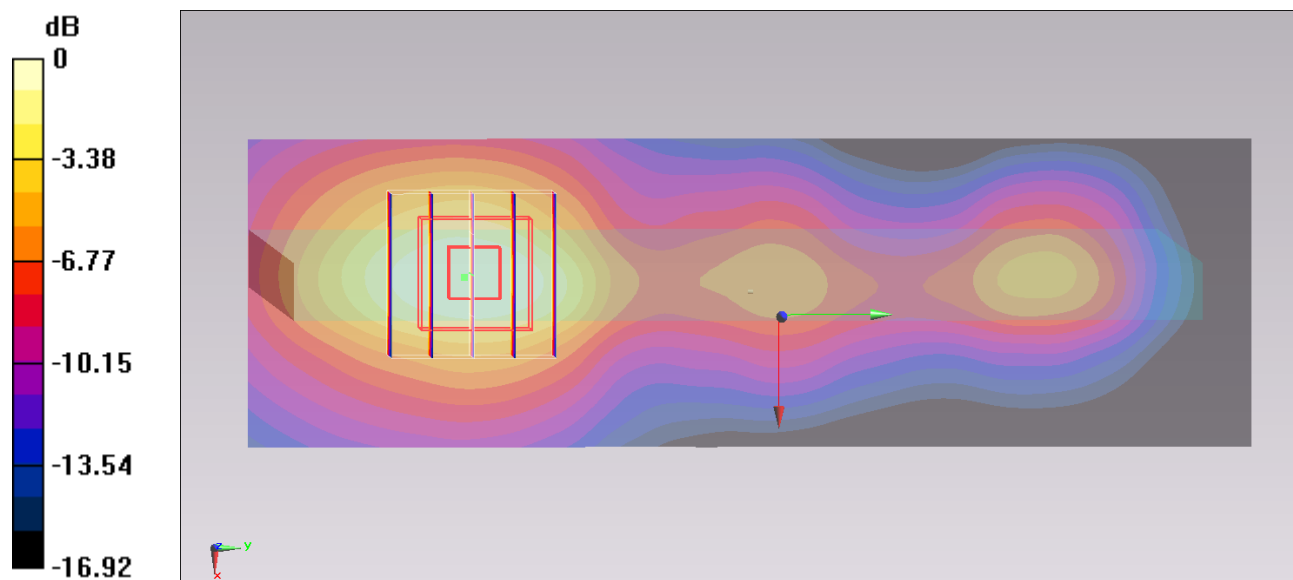
Configuration/Ch9538/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 24.322 V/m; Power Drift = 0.00 dB

Peak SAR (extrapolated) = 1.174 mW/g

SAR(1 g) = 0.673 mW/g; SAR(10 g) = 0.374 mW/g

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



#71_ WCDMA II_RMC 12.2Kbps_Edge4_0cm_Ch9262**DUT: 12-4-138**

Communication System: WCDMA; Frequency: 1852.4 MHz; Duty Cycle: 1:1

Medium: MSL_1900_130111 Medium parameters used: $f = 1852.4$ MHz; $\sigma = 1.463$ mho/m; $\epsilon_r = 53.483$;

$\rho = 1000$ kg/m³

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

DASY5 Configuration:

- Probe: ES3DV3 - SN3270; ConvF(4.67, 4.67, 4.67); 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/Ch9262/Area Scan (41x131x1): Measurement grid: dx=15mm, dy=15mm

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

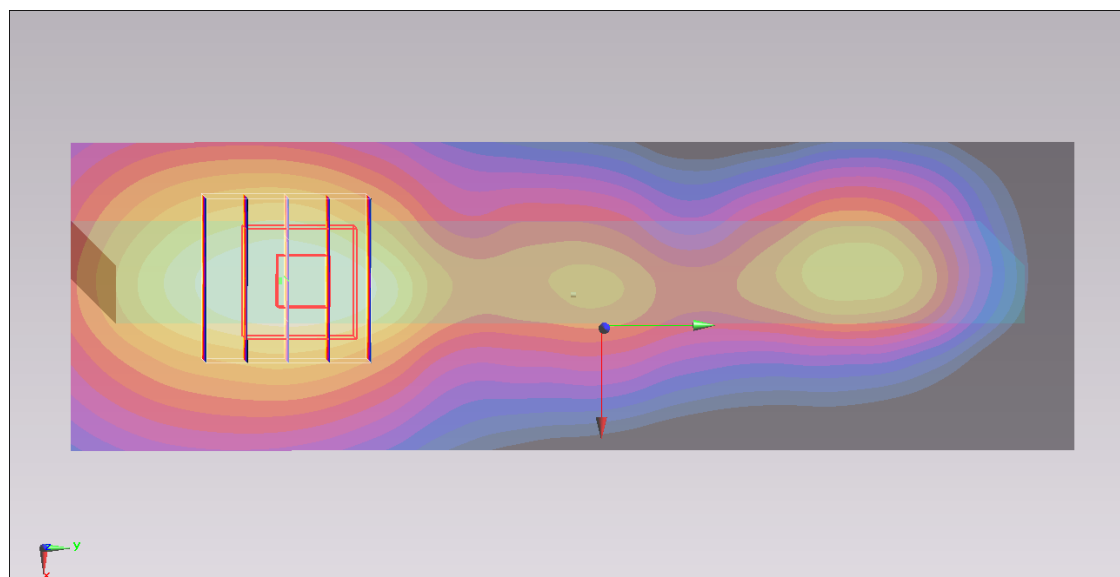
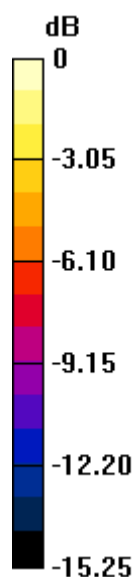
Configuration/Ch9262/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 16.913 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 0.547 mW/g

SAR(1 g) = 0.323 mW/g; SAR(10 g) = 0.187 mW/g

Maximum value of SAR (measured) = 0.388 mW/g



0 dB = 0.388 mW/g = -8.22 dB mW/g

#72_ WCDMA II_RMC 12.2Kbps_Edge4_0cm_Ch9400**DUT: 12-4-138**

Communication System: WCDMA; Frequency: 1880 MHz; Duty Cycle: 1:1

Medium: MSL_1900_130111 Medium parameters used: $f = 1880$ MHz; $\sigma = 1.484$ mho/m; $\epsilon_r = 53.379$; ρ

$= 1000$ kg/m³

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

DASY5 Configuration:

- Probe: ES3DV3 - SN3270; ConvF(4.67, 4.67, 4.67); 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/Ch9400/Area Scan (41x131x1): Measurement grid: dx=15mm, dy=15mm

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

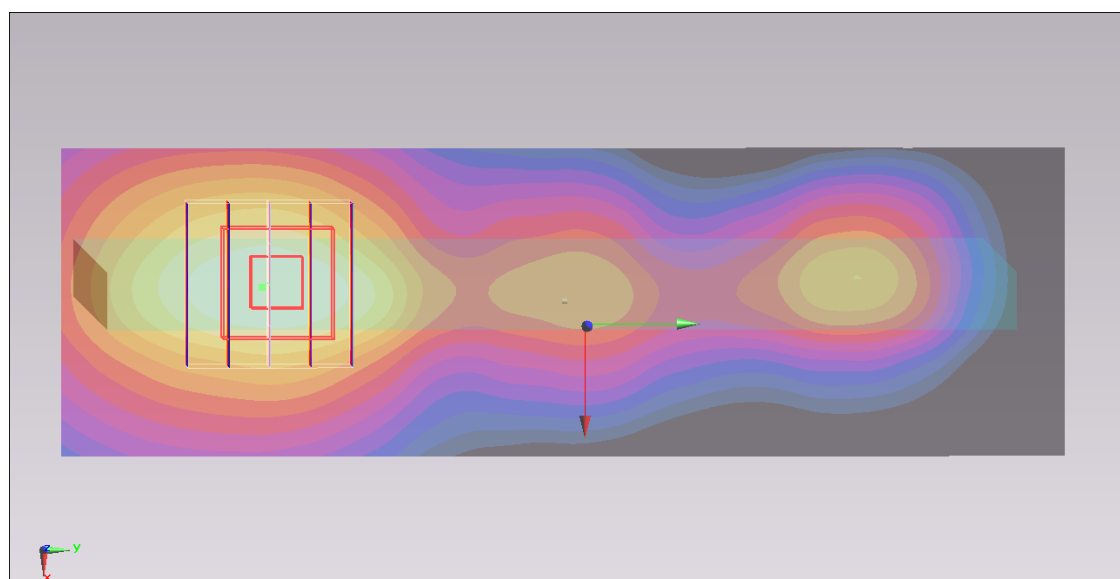
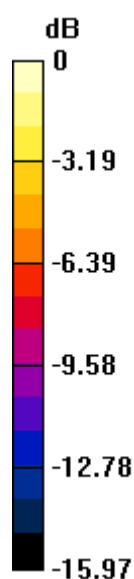
Configuration/Ch9400/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 20.097 V/m; Power Drift = 0.11 dB

Peak SAR (extrapolated) = 0.812 mW/g

SAR(1 g) = 0.464 mW/g; SAR(10 g) = 0.262 mW/g

Maximum value of SAR (measured) = 0.573 mW/g



0 dB = 0.573 mW/g = -4.84 dB mW/g

#74_ WCDMA II_RMC 12.2Kbps_Bottom Face_0cm_Ch9538**DUT: 12-4-138**

Communication System: WCDMA; Frequency: 1907.6 MHz; Duty Cycle: 1:1

Medium: MSL_1900_130111 Medium parameters used: $f = 1908$ MHz; $\sigma = 1.507$ mho/m; $\epsilon_r = 53.218$; ρ

$= 1000$ kg/m³

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

DASY5 Configuration:

- Probe: ES3DV3 - SN3270; ConvF(4.67, 4.67, 4.67); 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/Ch9538/Area Scan (61x81x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 1.15 mW/g

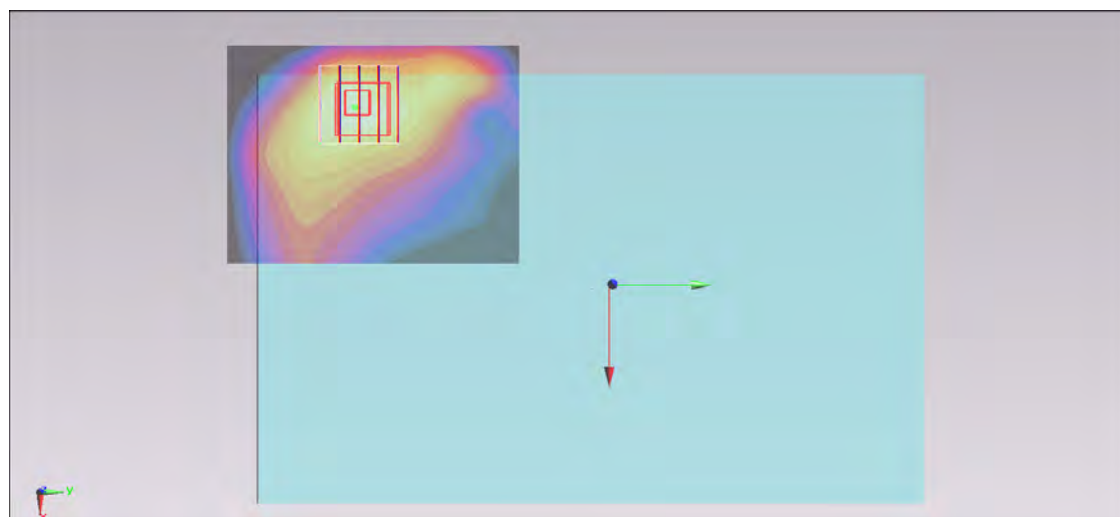
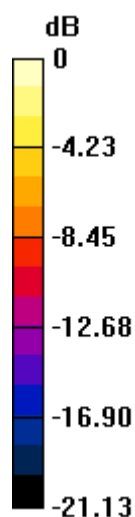
Configuration/Ch9538/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 29.153 V/m; Power Drift = -0.00 dB

Peak SAR (extrapolated) = 1.894 mW/g

SAR(1 g) = 0.913 mW/g; SAR(10 g) = 0.449 mW/g

Maximum value of SAR (measured) = 1.22 mW/g



0 dB = 1.22 mW/g = 1.73 dB mW/g

#150_WCDMA II_RMC 12.2Kbps_Bottom Face_0cm_Ch9262**DUT: 12-4-138**

Communication System: WCDMA; Frequency: 1852.4 MHz; Duty Cycle: 1:1

Medium: MSL_1900_130114 Medium parameters used: $f = 1852.4$ MHz; $\sigma = 1.478$ mho/m; $\epsilon_r = 53.849$;

$\rho = 1000$ kg/m³

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3792; ConvF(7.29, 7.29, 7.29); Calibrated: 2012/6/21;
- Sensor-Surface: 2mm (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/Ch9262/Area Scan (61x81x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.977 mW/g

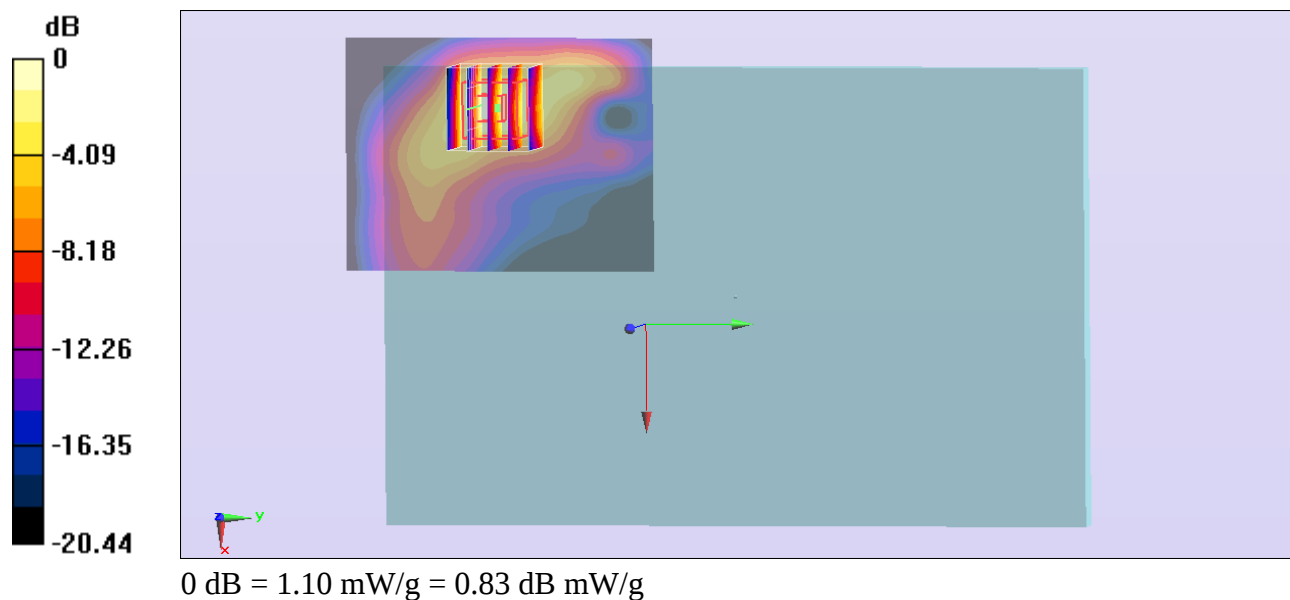
Configuration/Ch9262/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 27.369 V/m; Power Drift = -0.14 dB

Peak SAR (extrapolated) = 1.466 mW/g

SAR(1 g) = 0.777 mW/g; SAR(10 g) = 0.391 mW/g

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



#151_WCDMA II_RMC 12.2Kbps_Bottom Face_0cm_Ch9400**DUT: 12-4-138**

Communication System: WCDMA; Frequency: 1880 MHz; Duty Cycle: 1:1

Medium: MSL_1900_130114 Medium parameters used: $f = 1880$ MHz; $\sigma = 1.5$ mho/m; $\epsilon_r = 53.744$; $\rho =$

1000 kg/m³

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3792; ConvF(7.29, 7.29, 7.29); Calibrated: 2012/6/21;
- Sensor-Surface: 2mm (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/Ch9400/Area Scan (61x81x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

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

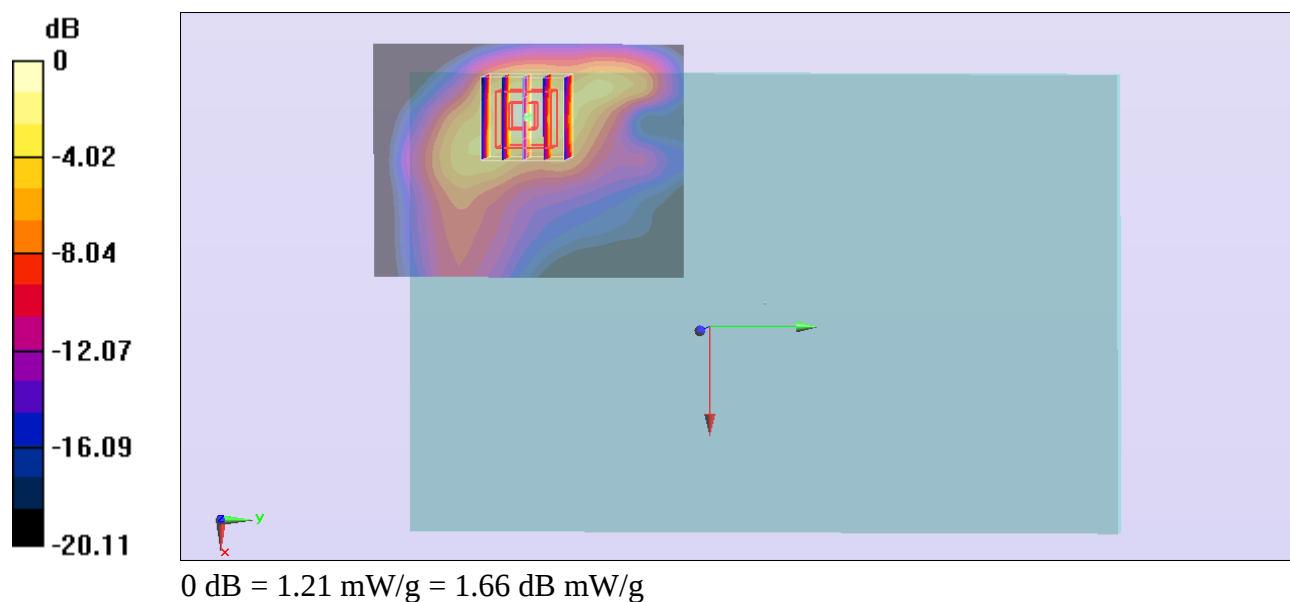
Configuration/Ch9400/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 29.545 V/m; Power Drift = -0.08 dB

Peak SAR (extrapolated) = 1.657 mW/g

SAR(1 g) = 0.860 mW/g; SAR(10 g) = 0.424 mW/g

Maximum value of SAR (measured) = 1.21 mW/g



#73_WCDMA II_RMC 12.2Kbps_Edge3_0cm_Ch9538**DUT: 12-4-138**

Communication System: WCDMA; Frequency: 1907.6 MHz; Duty Cycle: 1:1

Medium: MSL_1900_130114 Medium parameters used: $f = 1908$ MHz; $\sigma = 1.523$ mho/m; $\epsilon_r = 53.589$; ρ

$= 1000$ kg/m³

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3792; ConvF(7.29, 7.29, 7.29); Calibrated: 2012/6/21;
- Sensor-Surface: 2mm (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/Ch9538/Area Scan (41x91x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.711 mW/g

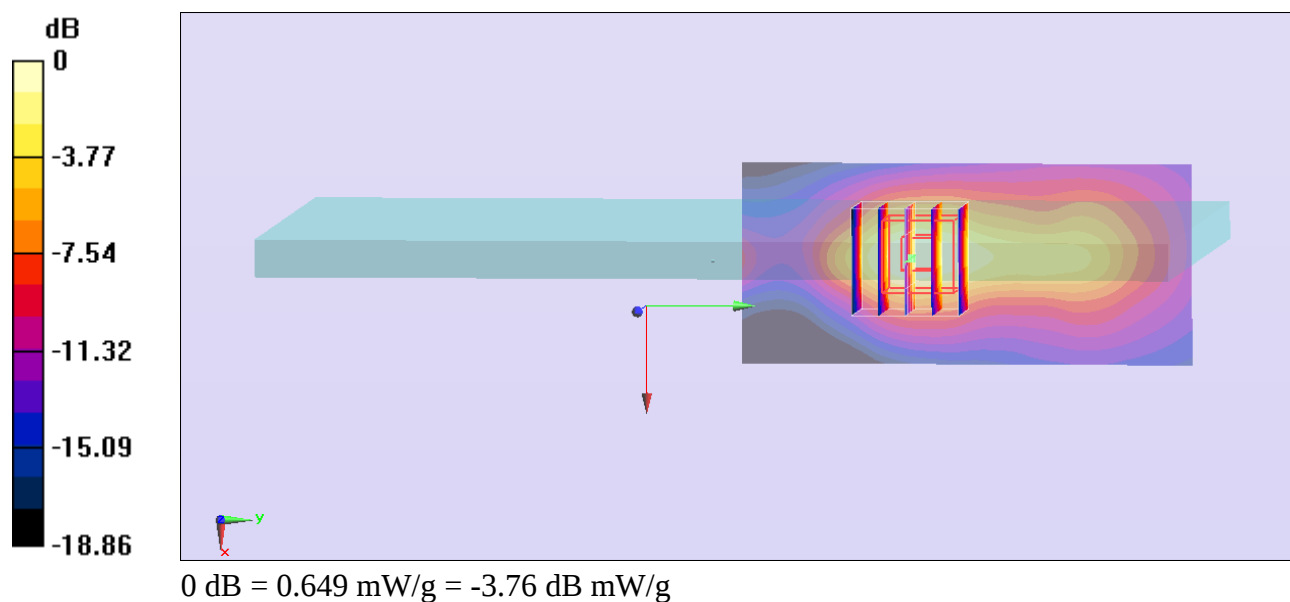
Configuration/Ch9538/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 20.742 V/m; Power Drift = 0.11 dB

Peak SAR (extrapolated) = 0.820 mW/g

SAR(1 g) = 0.458 mW/g; SAR(10 g) = 0.241 mW/g

Maximum value of SAR (measured) = 0.649 mW/g



#92_WCDMA II_RMC 12.2Kbps_Bottom Face_0cm_Ch9538;Curve**DUT: 12-4-138**

Communication System: WCDMA; Frequency: 1907.6 MHz; Duty Cycle: 1:1

Medium: MSL_1900_130111 Medium parameters used: $f = 1908$ MHz; $\sigma = 1.507$ mho/m; $\epsilon_r = 53.218$; ρ

$= 1000$ kg/m³

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

DASY5 Configuration:

- Probe: ES3DV3 - SN3270; ConvF(4.67, 4.67, 4.67); 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/Ch9538/Area Scan (61x81x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 1.34 mW/g

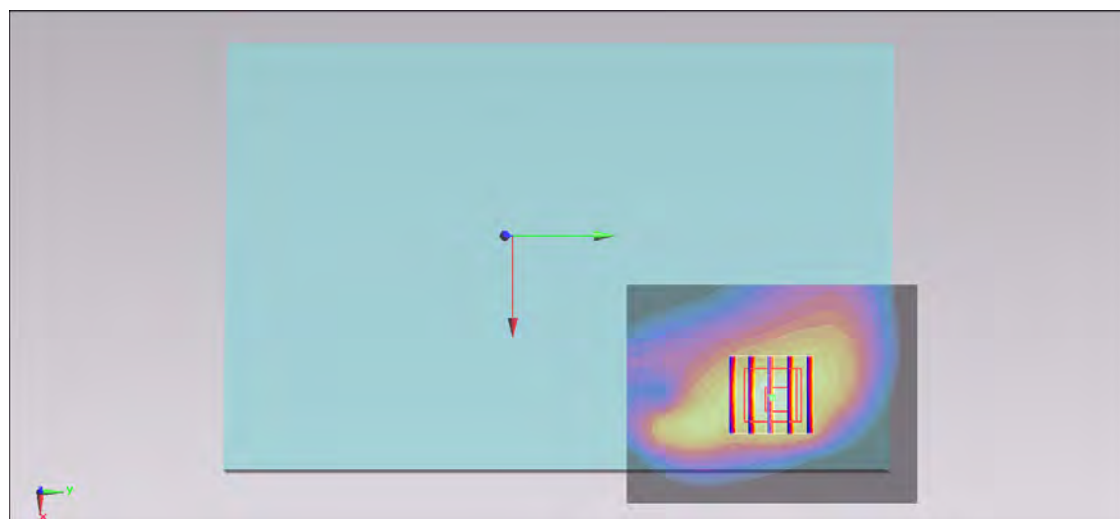
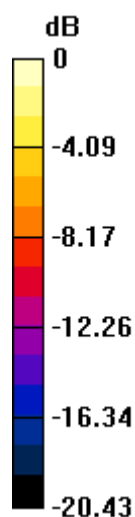
Configuration/Ch9538/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 31.009 V/m; Power Drift = 0.00 dB

Peak SAR (extrapolated) = 2.218 mW/g

SAR(1 g) = 1.06 mW/g; SAR(10 g) = 0.507 mW/g

Maximum value of SAR (measured) = 1.38 mW/g



0 dB = 1.38 mW/g = 2.80 dB mW/g

#101_ WCDMA II_RMC 12.2Kbps_Bottom Face_0cm_Ch9538;Curve_Repeat**DUT: 12-4-138**

Communication System: WCDMA; Frequency: 1907.6 MHz; Duty Cycle: 1:1

Medium: MSL_1900_130111 Medium parameters used: $f = 1908$ MHz; $\sigma = 1.507$ mho/m; $\epsilon_r = 53.218$; ρ

$= 1000$ kg/m³

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

DASY5 Configuration:

- Probe: ES3DV3 - SN3270; ConvF(4.67, 4.67, 4.67); 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/Ch9538/Area Scan (61x81x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 1.35 mW/g

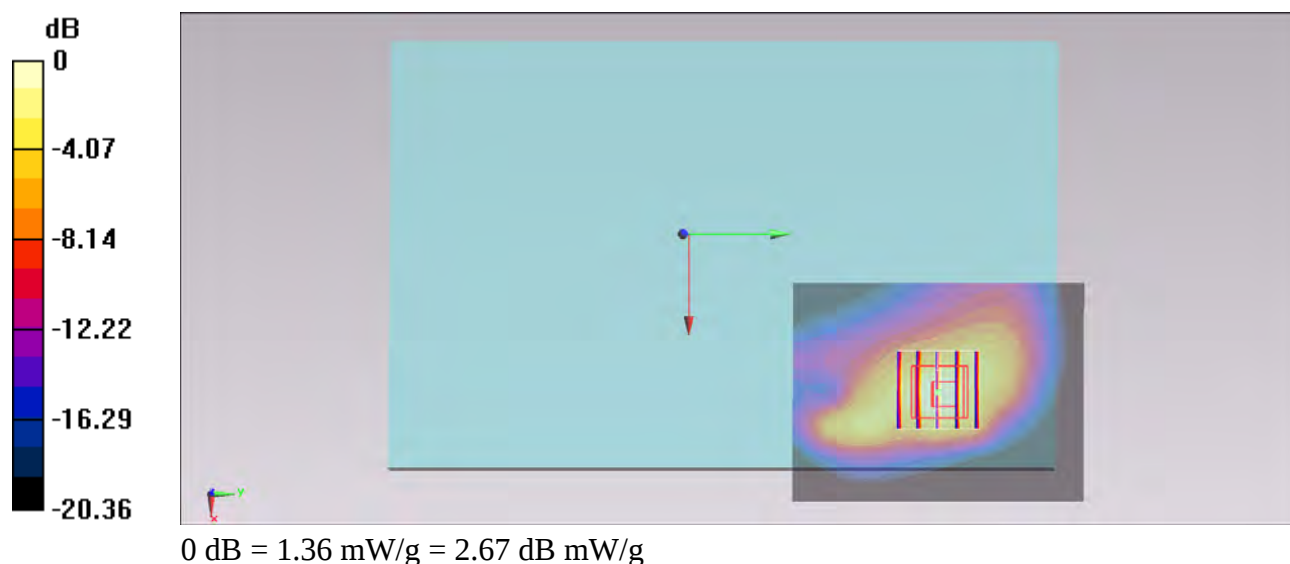
Configuration/Ch9538/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 30.997 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 2.183 mW/g

SAR(1 g) = 1.05 mW/g; SAR(10 g) = 0.506 mW/g

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



#93_ WCDMA II_RMC 12.2Kbps_Bottom Face_0cm_Ch9262;Curve**DUT: 12-4-138**

Communication System: WCDMA; Frequency: 1852.4 MHz; Duty Cycle: 1:1

Medium: MSL_1900_130111 Medium parameters used: $f = 1852.4$ MHz; $\sigma = 1.463$ mho/m; $\epsilon_r = 53.483$;

$\rho = 1000$ kg/m³

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

DASY5 Configuration:

- Probe: ES3DV3 - SN3270; ConvF(4.67, 4.67, 4.67); 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/Ch9262/Area Scan (61x81x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 1.29 mW/g

Configuration/Ch9262/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 30.937 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 2.159 mW/g

SAR(1 g) = 1.04 mW/g; SAR(10 g) = 0.511 mW/g

Maximum value of SAR (measured) = 1.35 mW/g

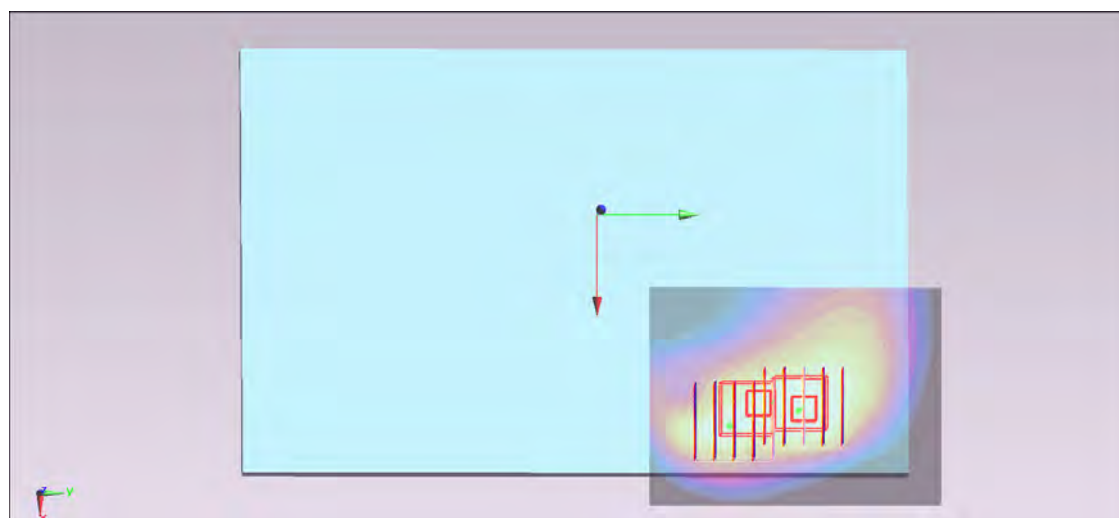
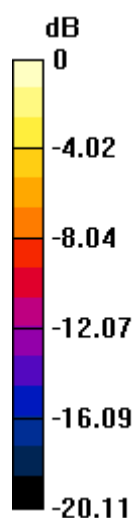
Configuration/Ch9262/Zoom Scan (5x5x7)/Cube 1: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 30.937 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 1.195 mW/g

SAR(1 g) = 0.594 mW/g; SAR(10 g) = 0.326 mW/g

Maximum value of SAR (measured) = 0.836 mW/g



0 dB = 0.836 mW/g = -1.56 dB mW/g

#94_ WCDMA II_RMC 12.2Kbps_Bottom Face_0cm_Ch9400;Curve**DUT: 12-4-138**

Communication System: WCDMA; Frequency: 1880 MHz; Duty Cycle: 1:1

Medium: MSL_1900_130111 Medium parameters used: $f = 1880$ MHz; $\sigma = 1.484$ mho/m; $\epsilon_r = 53.379$; ρ

$= 1000$ kg/m³

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

DASY5 Configuration:

- Probe: ES3DV3 - SN3270; ConvF(4.67, 4.67, 4.67); 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/Ch9400/Area Scan (61x81x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 1.31 mW/g

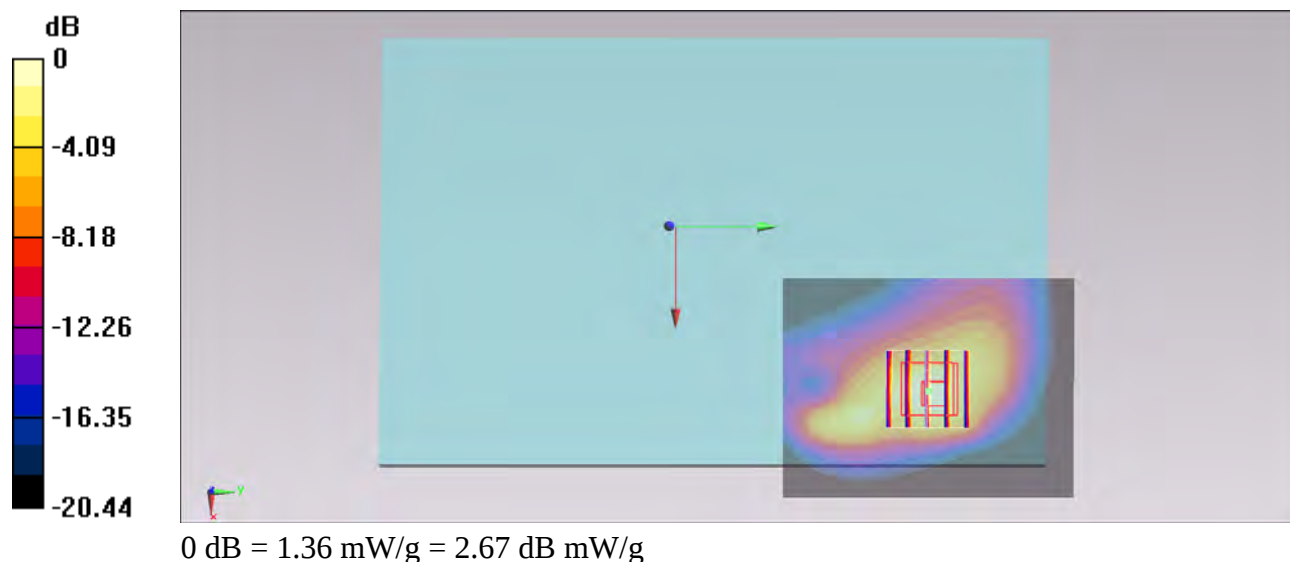
Configuration/Ch9400/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 30.709 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 2.161 mW/g

SAR(1 g) = 1.04 mW/g; SAR(10 g) = 0.496 mW/g

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



#95_ WCDMA II_HSDPA Subtest-1_Bottom Face_0cm_Ch9538;Curve**DUT: 12-4-138**

Communication System: WCDMA; Frequency: 1907.6 MHz; Duty Cycle: 1:1

Medium: MSL_1900_130111 Medium parameters used: $f = 1908$ MHz; $\sigma = 1.507$ mho/m; $\epsilon_r = 53.218$; ρ $= 1000$ kg/m³

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

DASY5 Configuration:

- Probe: ES3DV3 - SN3270; ConvF(4.67, 4.67, 4.67); 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)

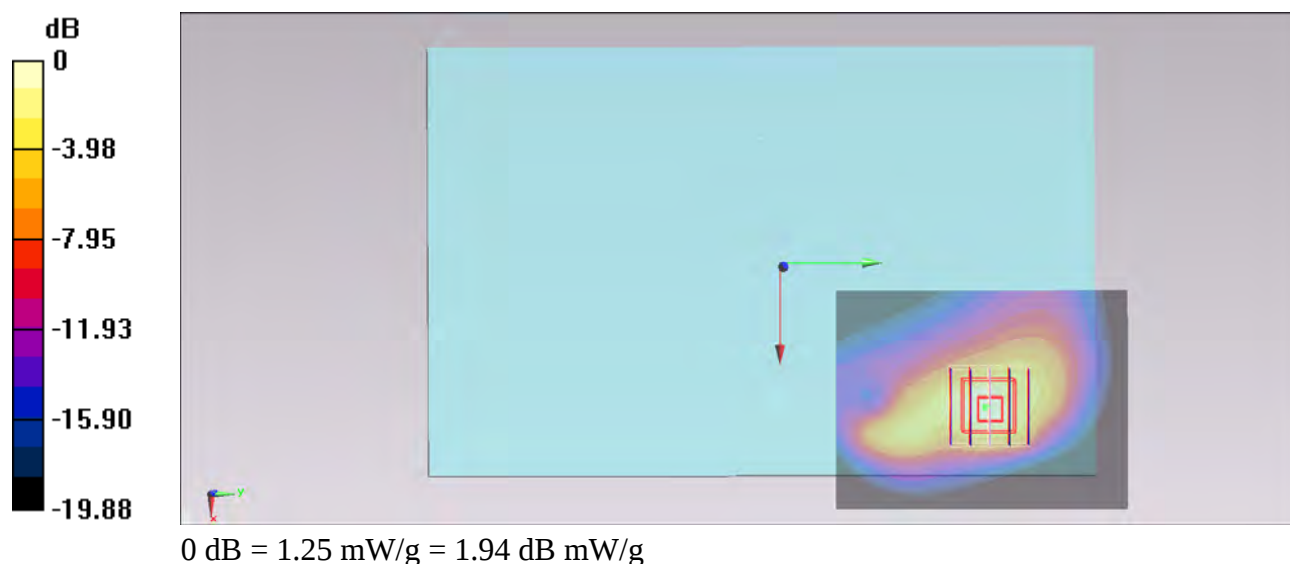
Configuration/Ch9538/Area Scan (61x81x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 1.17 mW/g**Configuration/Ch9538/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 29.843 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 2.038 mW/g

SAR(1 g) = 0.960 mW/g; SAR(10 g) = 0.460 mW/g

Maximum value of SAR (measured) = 1.25 mW/g



#96_ WCDMA II_HSDPA Subtest-1_Bottom Face_0cm_Ch9262;Curve**DUT: 12-4-138**

Communication System: WCDMA; Frequency: 1852.4 MHz; Duty Cycle: 1:1

Medium: MSL_1900_130111 Medium parameters used: $f = 1852.4$ MHz; $\sigma = 1.463$ mho/m; $\epsilon_r = 53.483$; $\rho = 1000$ kg/m³

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

DASY5 Configuration:

- Probe: ES3DV3 - SN3270; ConvF(4.67, 4.67, 4.67); 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/Ch9262/Area Scan (61x81x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 1.14 mW/g**Configuration/Ch9262/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 30.348 V/m; Power Drift = -0.11 dB

Peak SAR (extrapolated) = 1.911 mW/g

SAR(1 g) = 0.914 mW/g; SAR(10 g) = 0.448 mW/g

Maximum value of SAR (measured) = 1.20 mW/g

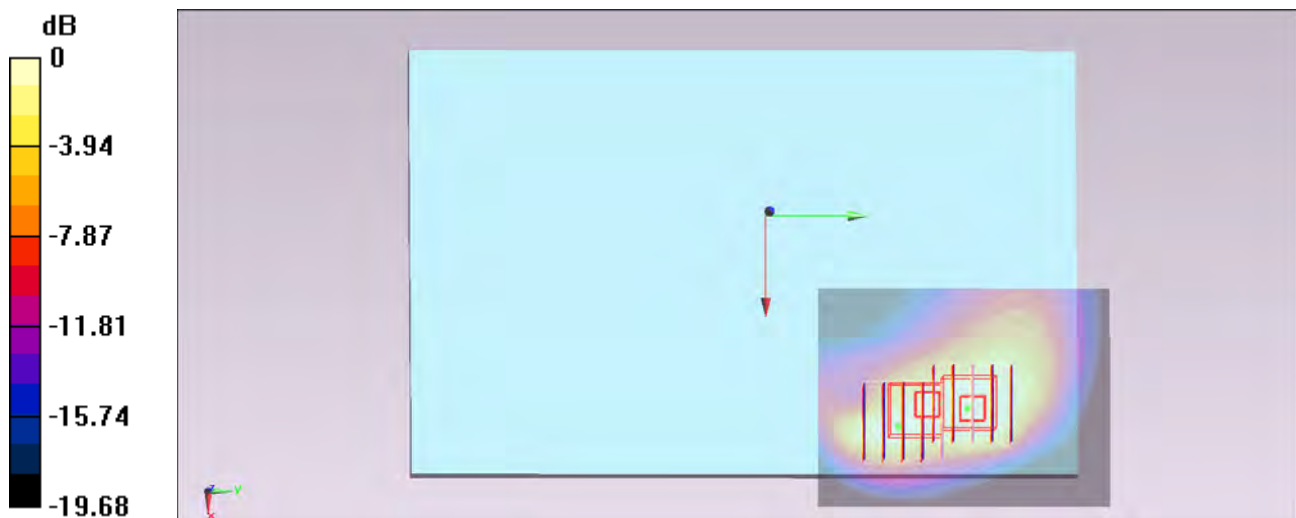
Configuration/Ch9262/Zoom Scan (5x5x7)/Cube 1: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 30.348 V/m; Power Drift = -0.11 dB

Peak SAR (extrapolated) = 1.049 mW/g

SAR(1 g) = 0.519 mW/g; SAR(10 g) = 0.286 mW/g

Maximum value of SAR (measured) = 0.733 mW/g



0 dB = 0.733 mW/g = -2.70 dB mW/g

#97_ WCDMA II_HSDPA Subtest-1_Bottom Face_0cm_Ch9400;Curve**DUT: 12-4-138**

Communication System: WCDMA; Frequency: 1880 MHz; Duty Cycle: 1:1

Medium: MSL_1900_130111 Medium parameters used: $f = 1880$ MHz; $\sigma = 1.484$ mho/m; $\epsilon_r = 53.379$; ρ $= 1000$ kg/m³

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

DASY5 Configuration:

- Probe: ES3DV3 - SN3270; ConvF(4.67, 4.67, 4.67); 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/Ch9400/Area Scan (61x81x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 1.15 mW/g**Configuration/Ch9400/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 28.513 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 1.924 mW/g

SAR(1 g) = 0.910 mW/g; SAR(10 g) = 0.443 mW/g

Maximum value of SAR (measured) = 1.18 mW/g

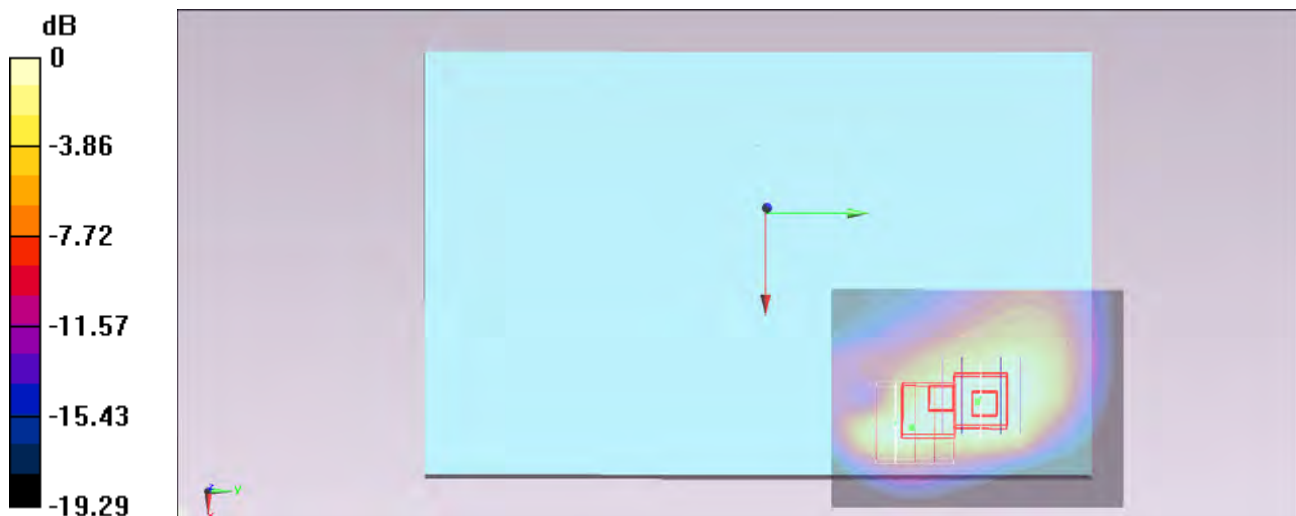
Configuration/Ch9400/Zoom Scan (5x5x7)/Cube 1: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 28.513 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 1.086 mW/g

SAR(1 g) = 0.522 mW/g; SAR(10 g) = 0.294 mW/g

Maximum value of SAR (measured) = 0.688 mW/g



0 dB = 0.688 mW/g = -3.25 dB mW/g

#98_ WCDMA II_HSPA Subtest-5_Bottom Face_0cm_Ch9538;Curve**DUT: 12-4-138**

Communication System: WCDMA; Frequency: 1907.6 MHz; Duty Cycle: 1:1

Medium: MSL_1900_130111 Medium parameters used: $f = 1908$ MHz; $\sigma = 1.507$ mho/m; $\epsilon_r = 53.218$; ρ $= 1000$ kg/m³

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

DASY5 Configuration:

- Probe: ES3DV3 - SN3270; ConvF(4.67, 4.67, 4.67); 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)

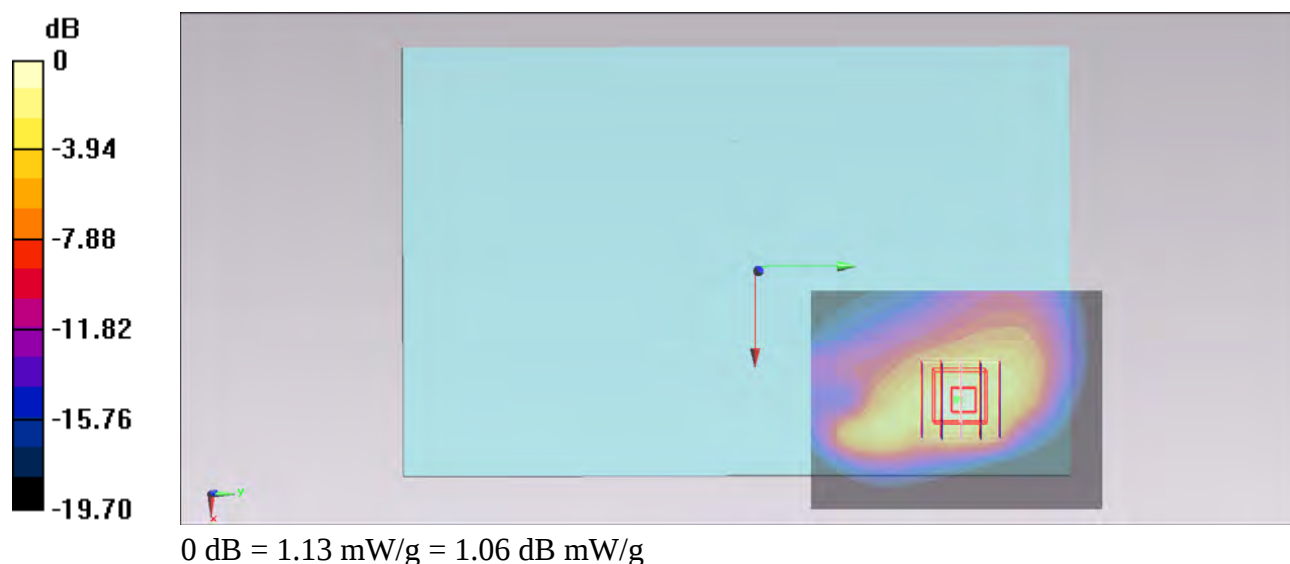
Configuration/Ch9538/Area Scan (61x81x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 1.11 mW/g**Configuration/Ch9538/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 27.861 V/m; Power Drift = 0.14 dB

Peak SAR (extrapolated) = 1.795 mW/g

SAR(1 g) = 0.863 mW/g; SAR(10 g) = 0.423 mW/g

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



#99_ WCDMA II_HSPA Subtest-5_Bottom Face_0cm_Ch9262;Curve**DUT: 12-4-138**

Communication System: WCDMA; Frequency: 1852.4 MHz; Duty Cycle: 1:1

Medium: MSL_1900_130111 Medium parameters used: $f = 1852.4$ MHz; $\sigma = 1.463$ mho/m; $\epsilon_r = 53.483$; $\rho = 1000$ kg/m³

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

DASY5 Configuration:

- Probe: ES3DV3 - SN3270; ConvF(4.67, 4.67, 4.67); 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)

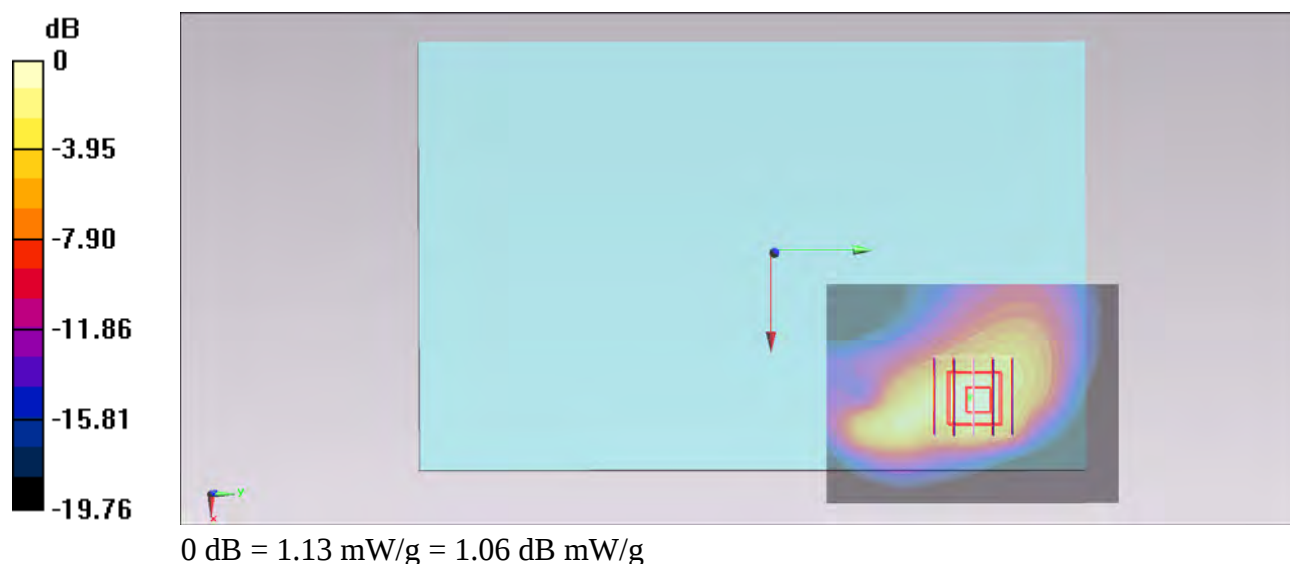
Configuration/Ch9262/Area Scan (61x81x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 1.14 mW/g**Configuration/Ch9262/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 28.559 V/m; Power Drift = -0.08 dB

Peak SAR (extrapolated) = 1.871 mW/g

SAR(1 g) = 0.900 mW/g; SAR(10 g) = 0.438 mW/g

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



#100_ WCDMA II_HSPA Subtest-5_Bottom Face_0cm_Ch9400;Curve**DUT: 12-4-138**

Communication System: WCDMA; Frequency: 1880 MHz; Duty Cycle: 1:1

Medium: MSL_1900_130111 Medium parameters used: $f = 1880$ MHz; $\sigma = 1.484$ mho/m; $\epsilon_r = 53.379$; ρ

$= 1000$ kg/m³

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

DASY5 Configuration:

- Probe: ES3DV3 - SN3270; ConvF(4.67, 4.67, 4.67); 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/Ch9400/Area Scan (61x81x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 1.21 mW/g

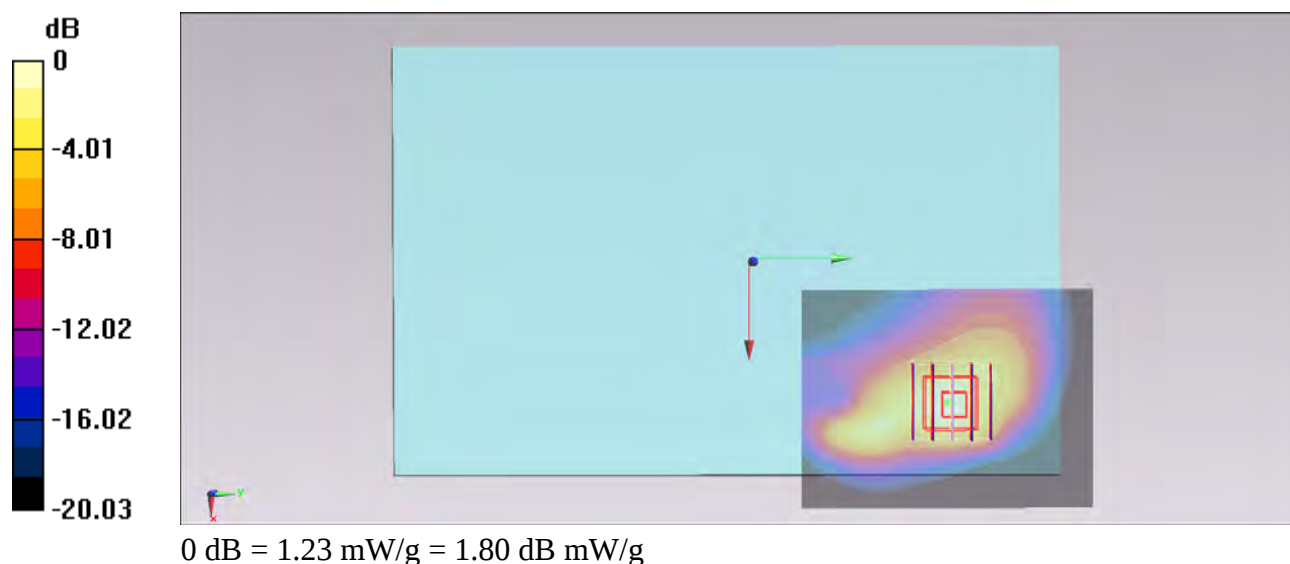
Configuration/Ch9400/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 29.057 V/m; Power Drift = -0.11 dB

Peak SAR (extrapolated) = 1.995 mW/g

SAR(1 g) = 0.945 mW/g; SAR(10 g) = 0.455 mW/g

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



#452_CDMA BC10_RTAP 153.6kbps_Bottom Face_1cm_Ch476**DUT: 311703**

Communication System: CDMA ; Frequency: 817.9 MHz; Duty Cycle: 1:1

Medium: MSL_850_130220 Medium parameters used : $f = 817.9$ MHz; $\sigma = 0.936$ mho/m; $\epsilon_r = 52.765$; ρ

$= 1000$ kg/m³

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

DASY5 Configuration:

- Probe: ET3DV6 - SN1787; ConvF(6.08, 6.08, 6.08); Calibrated: 2012/5/29;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn495; Calibrated: 2012/4/23
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP:1127
- Measurement SW: DASY52, Version 52.8 (3); SEMCAD X Version 14.6.5 (6469)

Configuration/Ch476/Area Scan (61x81x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.684 mW/g

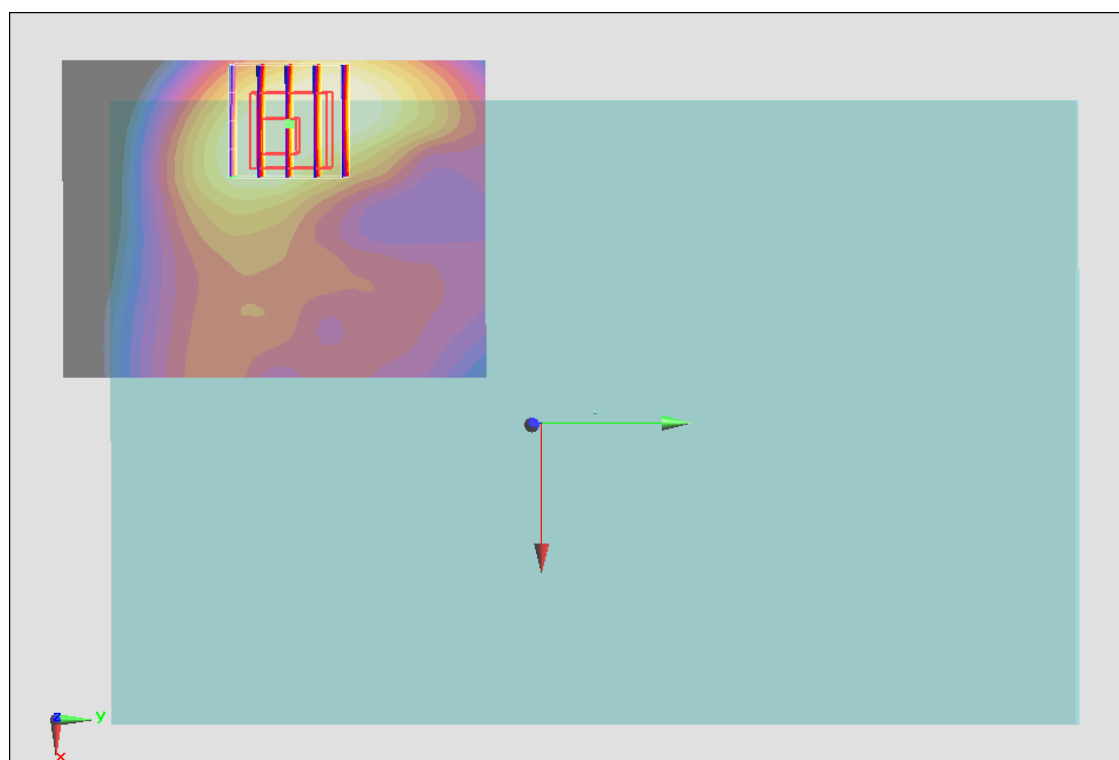
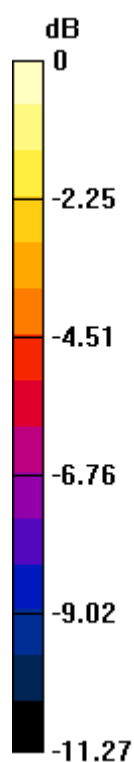
Configuration/Ch476/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 25.708 V/m; Power Drift = -0.06 dB

Peak SAR (extrapolated) = 0.705 mW/g

SAR(1 g) = 0.530 mW/g; SAR(10 g) = 0.357 mW/g

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



0 dB = 0.568 mW/g = -4.91 dB mW/g

#453_CDMA BC10_RTAP 153.6kbps_Edge3_0.8cm_Ch476**DUT: 311703**

Communication System: CDMA ; Frequency: 817.9 MHz; Duty Cycle: 1:1

Medium: MSL_850_130220 Medium parameters used : $f = 817.9$ MHz; $\sigma = 0.936$ mho/m; $\epsilon_r = 52.765$; ρ

$= 1000$ kg/m³

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

DASY5 Configuration:

- Probe: ET3DV6 - SN1787; ConvF(6.08, 6.08, 6.08); Calibrated: 2012/5/29;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn495; Calibrated: 2012/4/23
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP:1127
- Measurement SW: DASY52, Version 52.8 (3); SEMCAD X Version 14.6.5 (6469)

Configuration/Ch476/Area Scan (41x101x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.354 mW/g

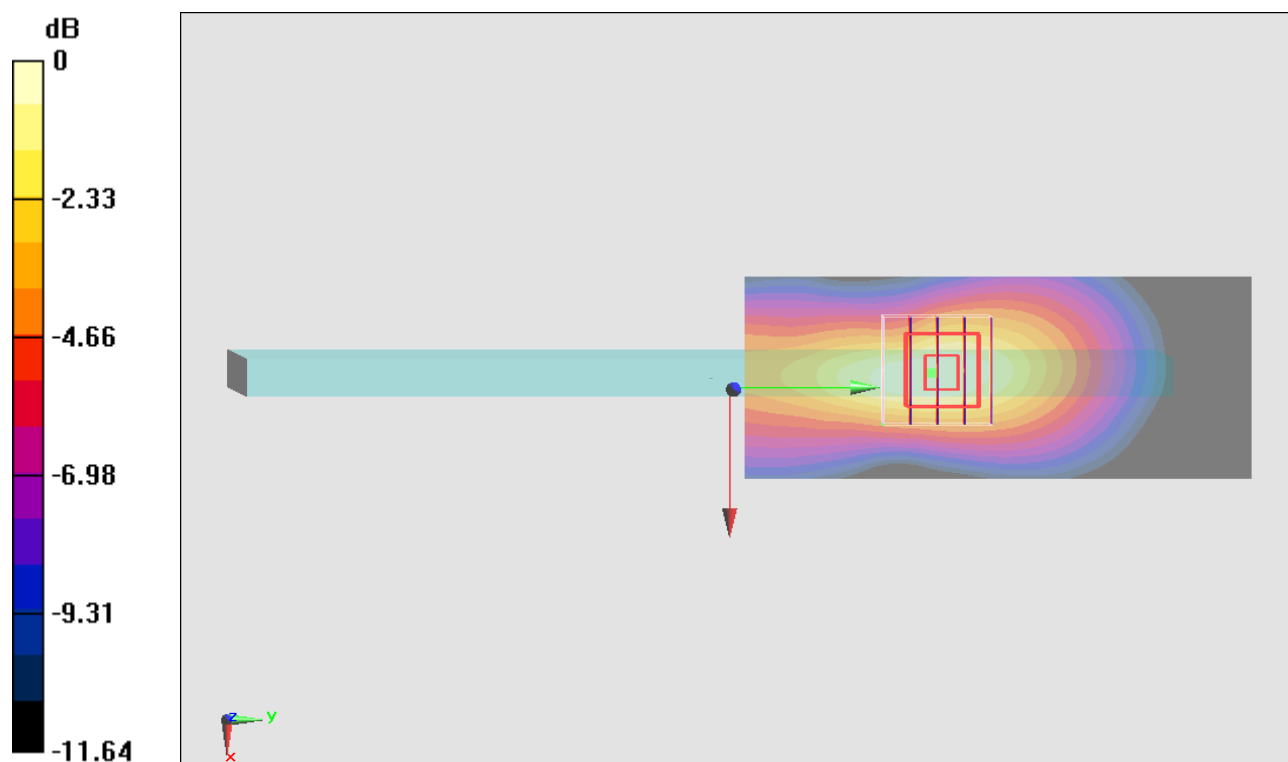
Configuration/Ch476/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 20.128 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 0.460 mW/g

SAR(1 g) = 0.315 mW/g; SAR(10 g) = 0.199 mW/g

Maximum value of SAR (measured) = 0.346 mW/g



#454_CDMA BC10_RTAP 153.6kbps_Edge4_0cm_Ch476**DUT: 311703**

Communication System: CDMA ; Frequency: 817.9 MHz; Duty Cycle: 1:1

Medium: MSL_850_130220 Medium parameters used : $f = 817.9$ MHz; $\sigma = 0.936$ mho/m; $\epsilon_r = 52.765$; ρ

$= 1000$ kg/m³

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

DASY5 Configuration:

- Probe: ET3DV6 - SN1787; ConvF(6.08, 6.08, 6.08); Calibrated: 2012/5/29;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn495; Calibrated: 2012/4/23
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP:1127
- Measurement SW: DASY52, Version 52.8 (3); SEMCAD X Version 14.6.5 (6469)

Configuration/Ch476/Area Scan (41x141x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.196 mW/g

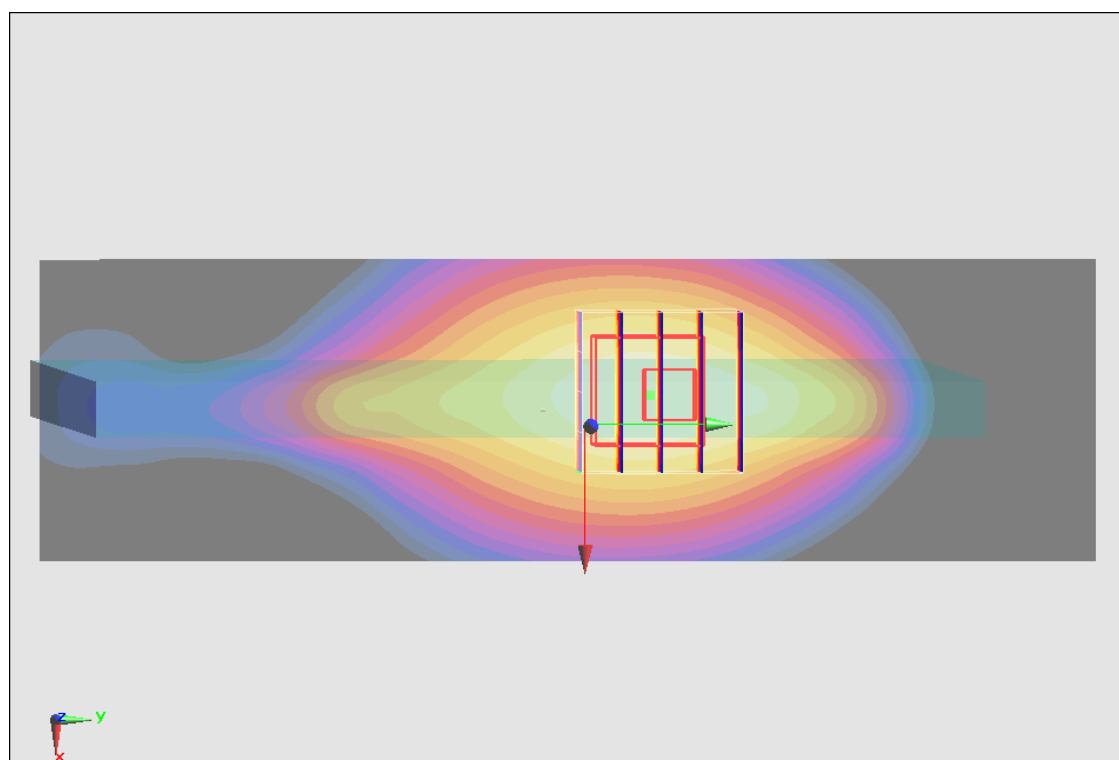
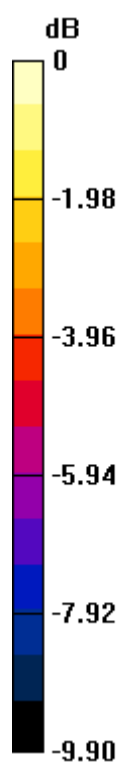
Configuration/Ch476/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 14.936 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 0.243 mW/g

SAR(1 g) = 0.174 mW/g; SAR(10 g) = 0.120 mW/g

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



0 dB = 0.190 mW/g = -14.42 dB mW/g

#455_CDMA BC10_RTAP 153.6kbps_Bottom Face_0cm_Ch476**DUT: 311703**

Communication System: CDMA ; Frequency: 817.9 MHz; Duty Cycle: 1:1

Medium: MSL_850_130220 Medium parameters used : $f = 817.9$ MHz; $\sigma = 0.936$ mho/m; $\epsilon_r = 52.765$; ρ

$= 1000$ kg/m³

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

DASY5 Configuration:

- Probe: ET3DV6 - SN1787; ConvF(6.08, 6.08, 6.08); Calibrated: 2012/5/29;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn495; Calibrated: 2012/4/23
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP:1127
- Measurement SW: DASY52, Version 52.8 (3); SEMCAD X Version 14.6.5 (6469)

Configuration/Ch476/Area Scan (61x81x1): Measurement grid: dx=15mm, dy=15mm

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

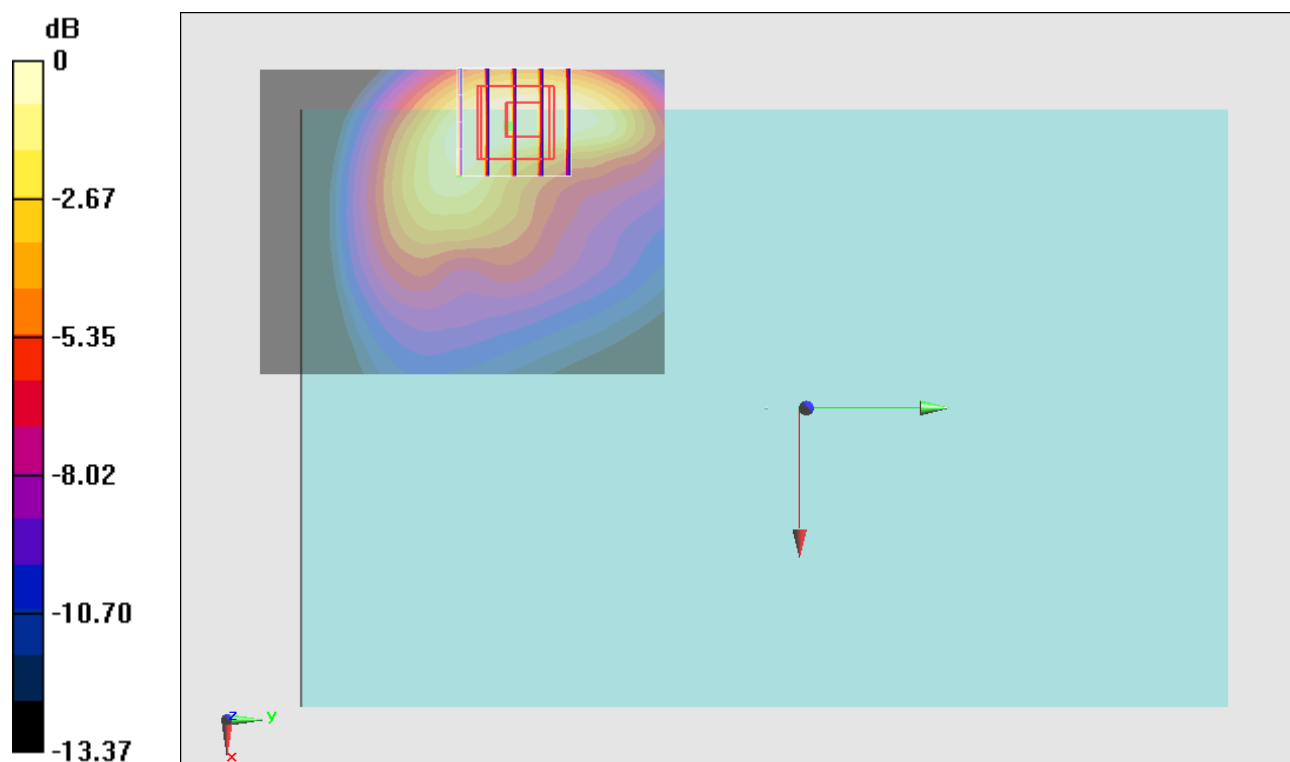
Configuration/Ch476/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 35.351 V/m; Power Drift = 0.13 dB

Peak SAR (extrapolated) = 1.735 mW/g

SAR(1 g) = 0.969 mW/g; SAR(10 g) = 0.548 mW/g

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



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

#456_CDMA BC10_RTAP 153.6kbps_Edge3_0cm_Ch476**DUT: 311703**

Communication System: CDMA ; Frequency: 817.9 MHz; Duty Cycle: 1:1

Medium: MSL_850_130220 Medium parameters used: $f = 817.9$ MHz; $\sigma = 0.936$ mho/m; $\epsilon_r = 52.765$; $\rho = 1000$ kg/m³

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

DASY5 Configuration:

- Probe: ET3DV6 - SN1787; ConvF(6.08, 6.08, 6.08); Calibrated: 2012/5/29;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn495; Calibrated: 2012/4/23
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP:1127
- Measurement SW: DASY52, Version 52.8 (3); SEMCAD X Version 14.6.5 (6469)

Configuration/Ch476/Area Scan (41x141x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.622 mW/g

Configuration/Ch476/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 26.591 V/m; Power Drift = -0.16 dB

Peak SAR (extrapolated) = 1.210 mW/g

SAR(1 g) = 0.563 mW/g; SAR(10 g) = 0.319 mW/g

Maximum value of SAR (measured) = 0.590 mW/g

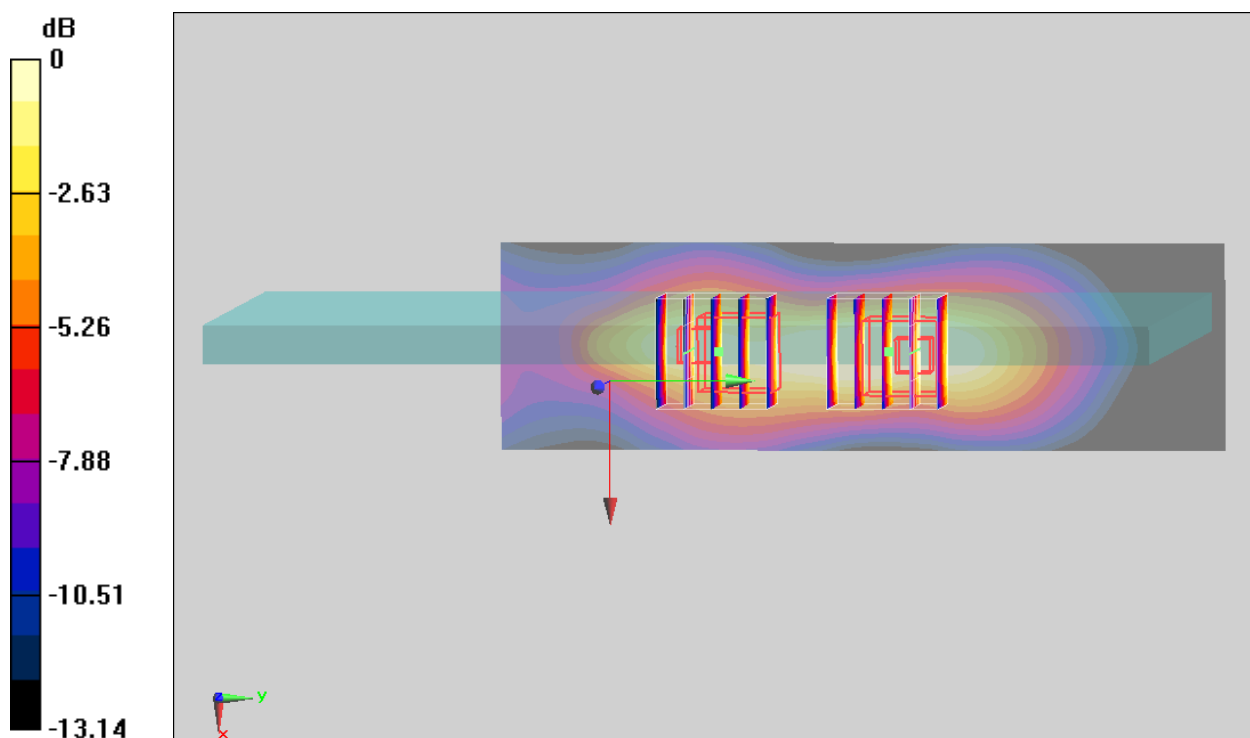
Configuration/Ch476/Zoom Scan (5x5x7)/Cube 1: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 26.591 V/m; Power Drift = -0.16 dB

Peak SAR (extrapolated) = 0.805 mW/g

SAR(1 g) = 0.386 mW/g; SAR(10 g) = 0.221 mW/g

Maximum value of SAR (measured) = 0.459 mW/g



0 dB = 0.459 mW/g = -6.76 dB mW/g

#457_CDMA BC10_RTAP 153.6kbps_Curved surface of Edge3_0cm_Ch476**DUT: 311703**

Communication System: CDMA ; Frequency: 817.9 MHz; Duty Cycle: 1:1

Medium: MSL_850_130220 Medium parameters used: $f = 817.9$ MHz; $\sigma = 0.936$ mho/m; $\epsilon_r = 52.765$; ρ

$= 1000$ kg/m³

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

DASY5 Configuration:

- Probe: ET3DV6 - SN1787; ConvF(6.08, 6.08, 6.08); Calibrated: 2012/5/29;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn495; Calibrated: 2012/4/23
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP:1127
- Measurement SW: DASY52, Version 52.8 (3); SEMCAD X Version 14.6.5 (6469)

Configuration/Ch476/Area Scan (61x81x1): Measurement grid: dx=15mm, dy=15mm

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

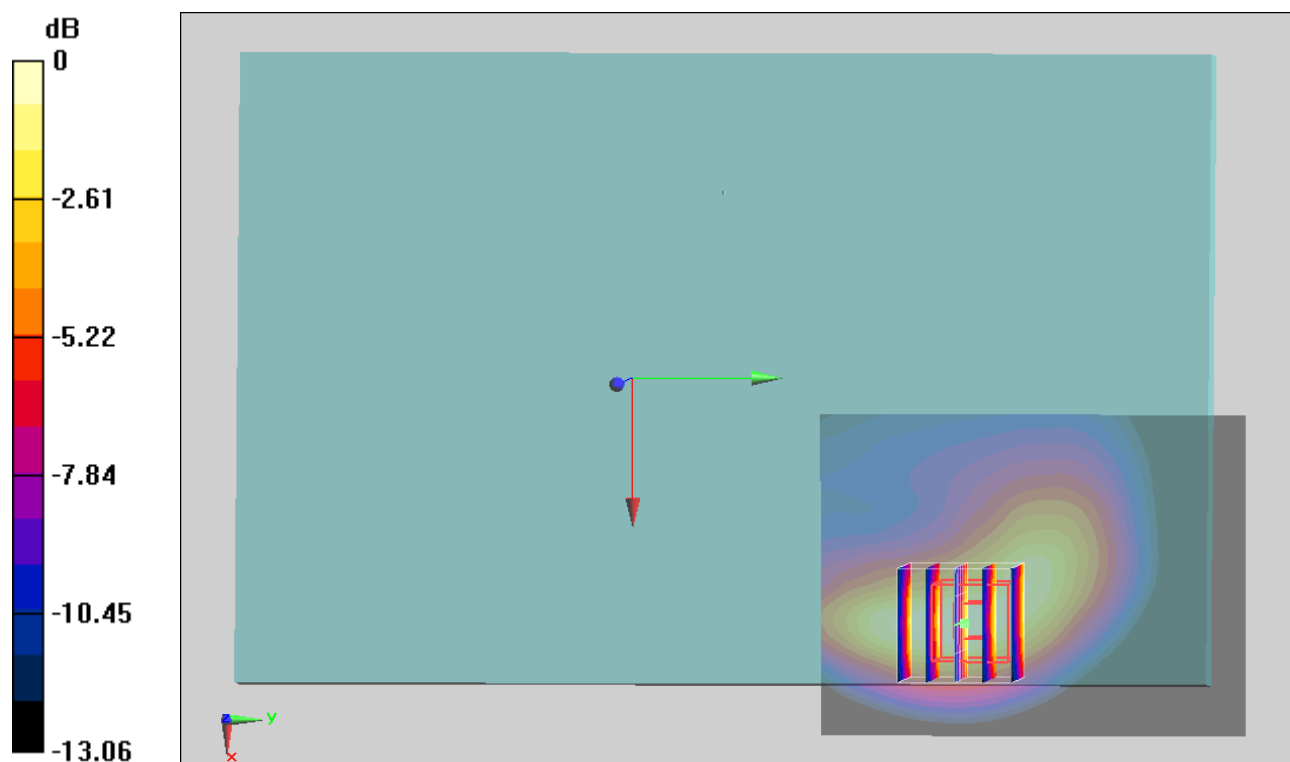
Configuration/Ch476/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 38.833 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 1.900 mW/g

SAR(1 g) = 1.15 mW/g; SAR(10 g) = 0.653 mW/g

Maximum value of SAR (measured) = 1.32 mW/g



#458_CDMA BC10_RTAP 153.6kbps_Curved surface of Edge3_0cm_Ch476;Repeat**DUT: 311703**

Communication System: CDMA ; Frequency: 817.9 MHz;Duty Cycle: 1:1

Medium: MSL_850_130220 Medium parameters used: $f = 817.9$ MHz; $\sigma = 0.936$ mho/m; $\epsilon_r = 52.765$; ρ $= 1000$ kg/m³

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

DASY5 Configuration:

- Probe: ET3DV6 - SN1787; ConvF(6.08, 6.08, 6.08); Calibrated: 2012/5/29;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn495; Calibrated: 2012/4/23
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP:1127
- Measurement SW: DASY52, Version 52.8 (3); SEMCAD X Version 14.6.5 (6469)

Configuration/Ch476/Area Scan (61x81x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 1.22 mW/g

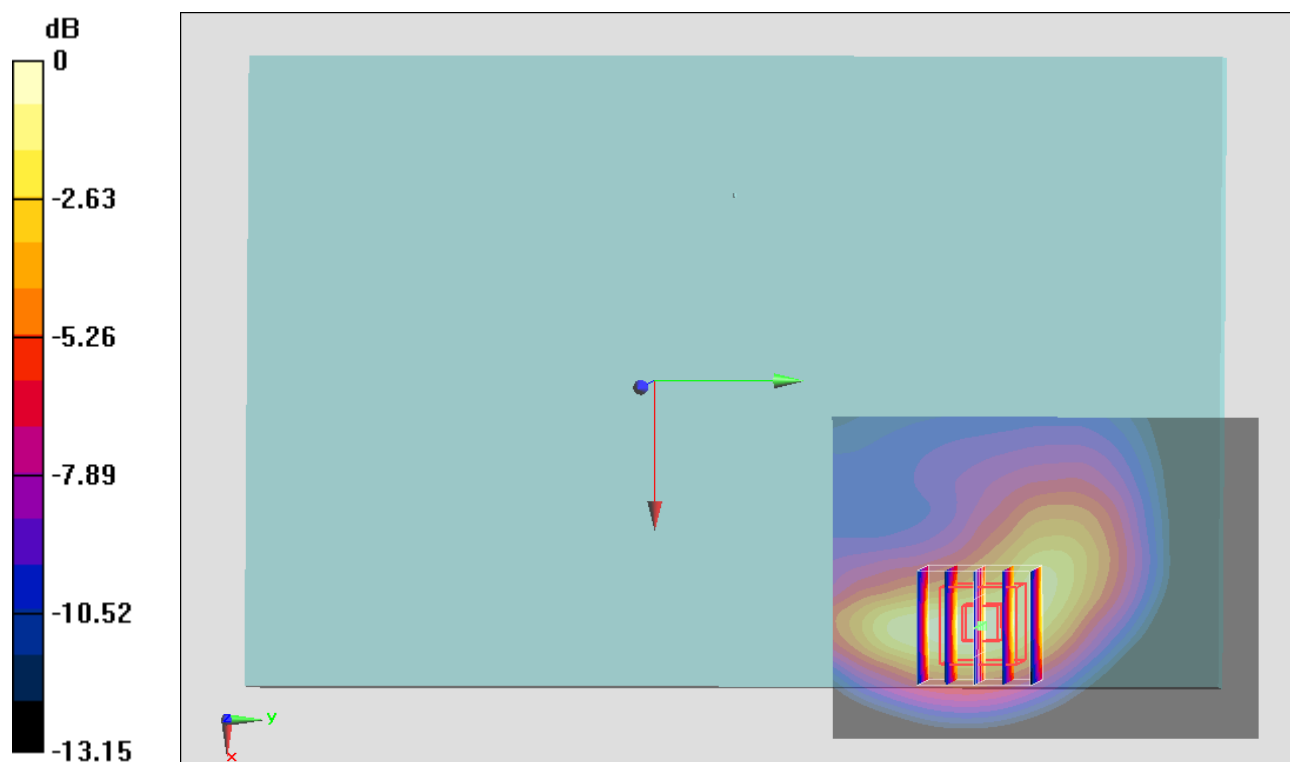
Configuration/Ch476/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 38.926 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 1.888 mW/g

SAR(1 g) = 1.14 mW/g; SAR(10 g) = 0.654 mW/g

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



0 dB = 1.29 mW/g = 2.21 dB mW/g

#139_CDMA BC0_RTAP 153.6kbps_Bottom Face_1cm_Ch384**DUT: 12-4-138**

Communication System: CDMA ; Frequency: 836.52 MHz; Duty Cycle: 1:1

Medium: MSL_850_130115 Medium parameters used: $f = 837$ MHz; $\sigma = 0.96$ mho/m; $\epsilon_r = 53.004$; $\rho =$

1000 kg/m^3

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3792; ConvF(8.99, 8.99, 8.99); Calibrated: 2012/6/21;
- Sensor-Surface: 2mm (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/Ch384/Area Scan (61x81x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Maximum value of SAR (interpolated) = 0.736 mW/g

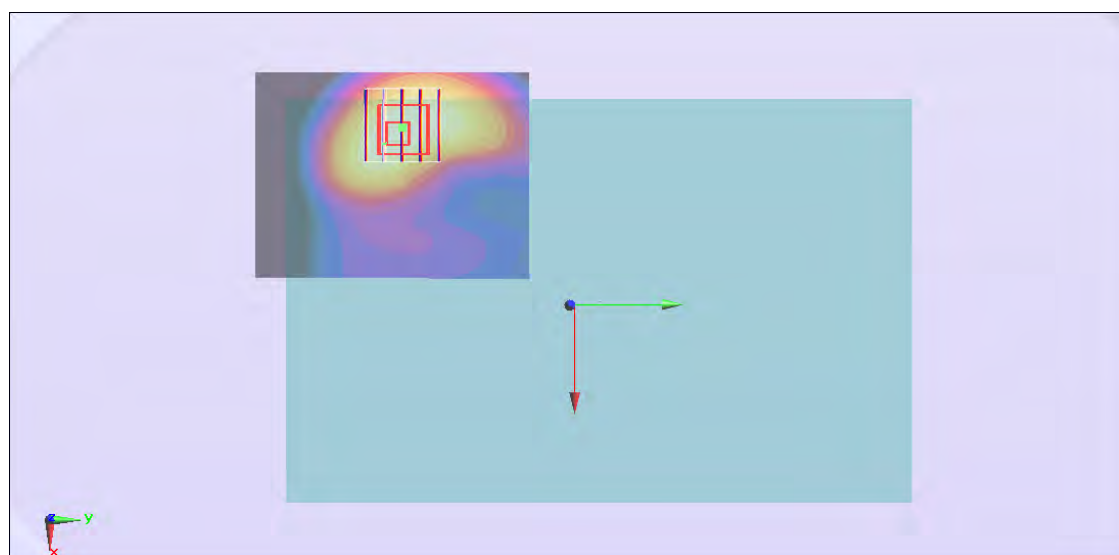
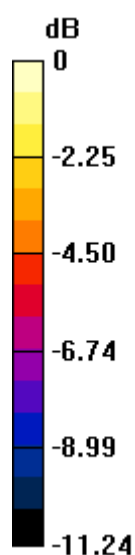
Configuration/Ch384/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 27.099 V/m ; Power Drift = 0.09 dB

Peak SAR (extrapolated) = 0.840 mW/g

SAR(1 g) = 0.584 mW/g ; SAR(10 g) = 0.390 mW/g

Maximum value of SAR (measured) = 0.705 mW/g



#140_CDMA BC0_RTAP 153.6kbps_Edge3_0.8cm_Ch384**DUT: 12-4-138**

Communication System: CDMA ; Frequency: 836.52 MHz;Duty Cycle: 1:1

Medium: MSL_850_130115 Medium parameters used: $f = 837$ MHz; $\sigma = 0.96$ mho/m; $\epsilon_r = 53.004$; $\rho =$

1000 kg/m^3

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3792; ConvF(8.99, 8.99, 8.99); Calibrated: 2012/6/21;
- Sensor-Surface: 2mm (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/Ch384/Area Scan (41x91x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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

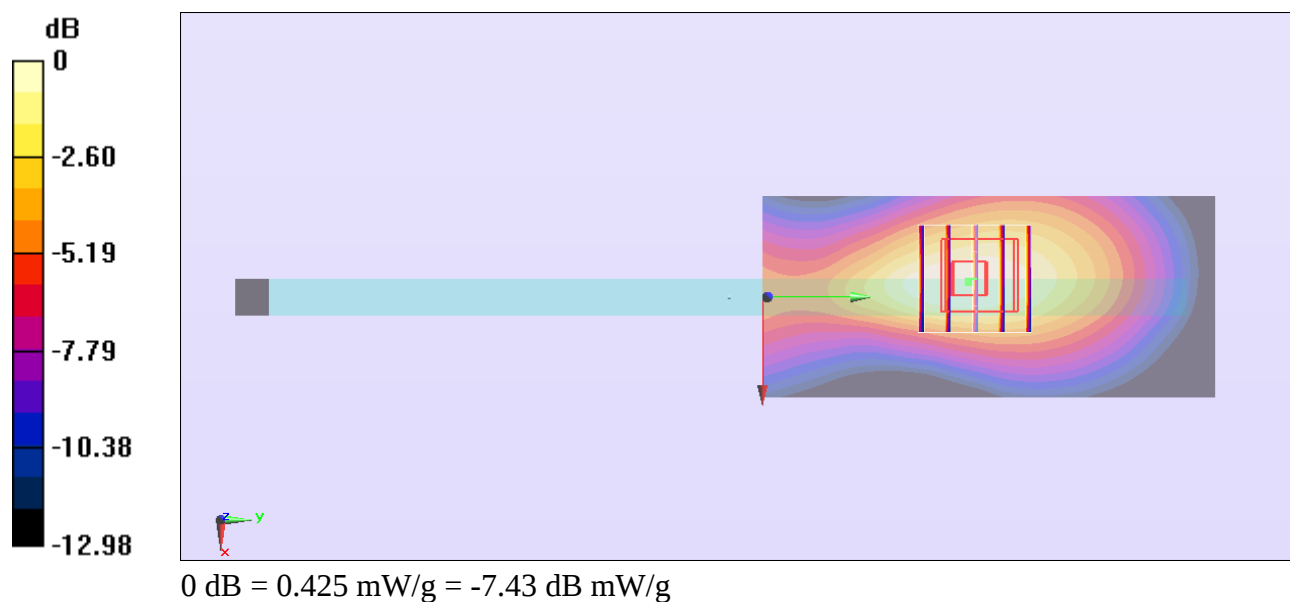
Configuration/Ch384/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 21.605 V/m ; Power Drift = -0.12 dB

Peak SAR (extrapolated) = 0.518 mW/g

SAR(1 g) = 0.326 mW/g ; SAR(10 g) = 0.205 mW/g

Maximum value of SAR (measured) = 0.425 mW/g



#141_CDMA BC0_RTAP 153.6kbps_Edge4_0cm_Ch384**DUT: 12-4-138**

Communication System: CDMA ; Frequency: 836.52 MHz;Duty Cycle: 1:1

Medium: MSL_850_130115 Medium parameters used: $f = 837$ MHz; $\sigma = 0.96$ mho/m; $\epsilon_r = 53.004$; $\rho =$

1000 kg/m^3

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3792; ConvF(8.99, 8.99, 8.99); Calibrated: 2012/6/21;
- Sensor-Surface: 2mm (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/Ch384/Area Scan (41x131x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$
Maximum value of SAR (interpolated) = 0.178 mW/g

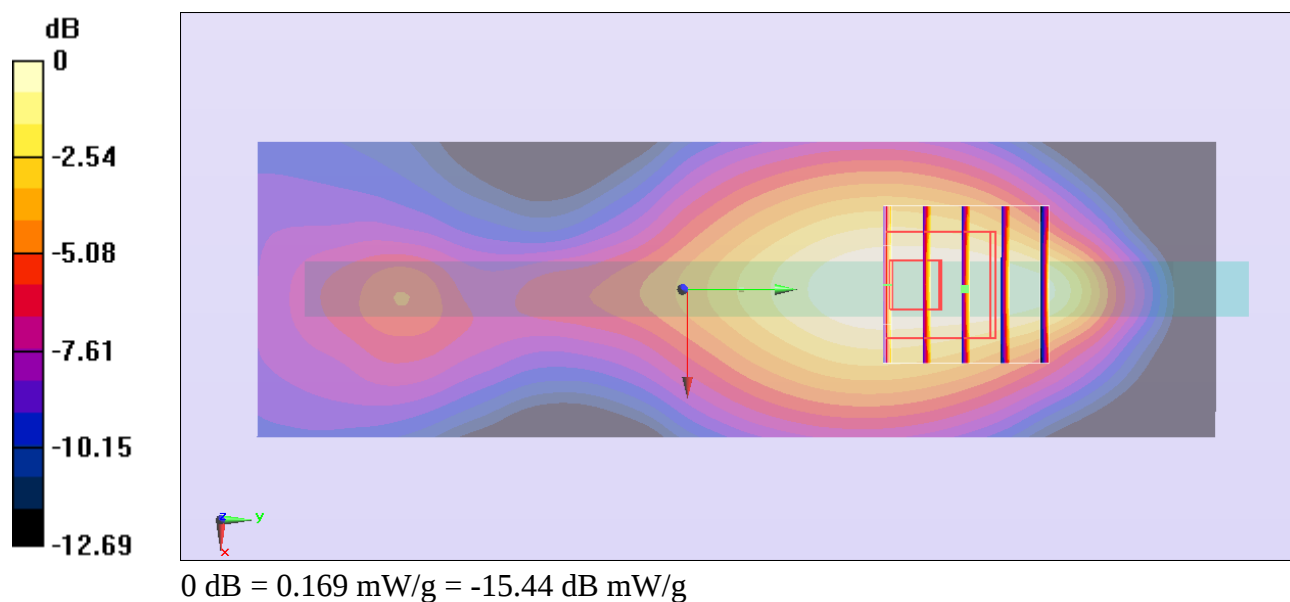
Configuration/Ch384/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$,
 $dz=5\text{mm}$

Reference Value = 12.883 V/m ; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 0.200 mW/g

SAR(1 g) = 0.133 mW/g ; SAR(10 g) = 0.086 mW/g

Maximum value of SAR (measured) = 0.169 mW/g



#142_CDMA BC0_RTAP 153.6kbps_Bottom Face_0cm_Ch384**DUT: 12-4-138**

Communication System: CDMA ; Frequency: 836.52 MHz;Duty Cycle: 1:1

Medium: MSL_850_130115 Medium parameters used: $f = 837$ MHz; $\sigma = 0.96$ mho/m; $\epsilon_r = 53.004$; $\rho =$

1000 kg/m^3

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3792; ConvF(8.99, 8.99, 8.99); Calibrated: 2012/6/21;
- Sensor-Surface: 2mm (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/Ch384/Area Scan (61x81x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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

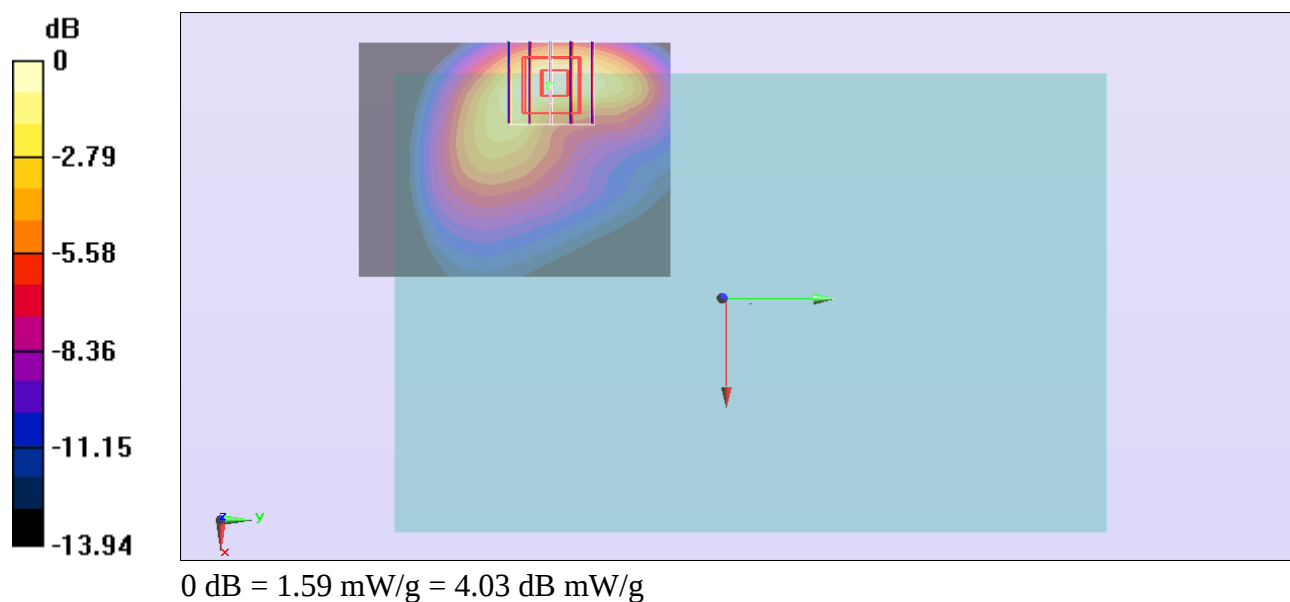
Configuration/Ch384/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 41.857 V/m ; Power Drift = -0.12 dB

Peak SAR (extrapolated) = 2.012 mW/g

SAR(1 g) = 1.11 mW/g ; SAR(10 g) = 0.625 mW/g

Maximum value of SAR (measured) = 1.59 mW/g



#143_CDMA BC0_RTAP 153.6kbps_Bottom Face_0cm_Ch1013**DUT: 12-4-138**

Communication System: CDMA ; Frequency: 824.7 MHz; Duty Cycle: 1:1

Medium: MSL_850_130115 Medium parameters used: $f = 825$ MHz; $\sigma = 0.948$ mho/m; $\epsilon_r = 53.122$; $\rho =$

1000 kg/m^3

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3792; ConvF(8.99, 8.99, 8.99); Calibrated: 2012/6/21;
- Sensor-Surface: 2mm (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/Ch1013/Area Scan (61x81x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Maximum value of SAR (interpolated) = 1.56 mW/g

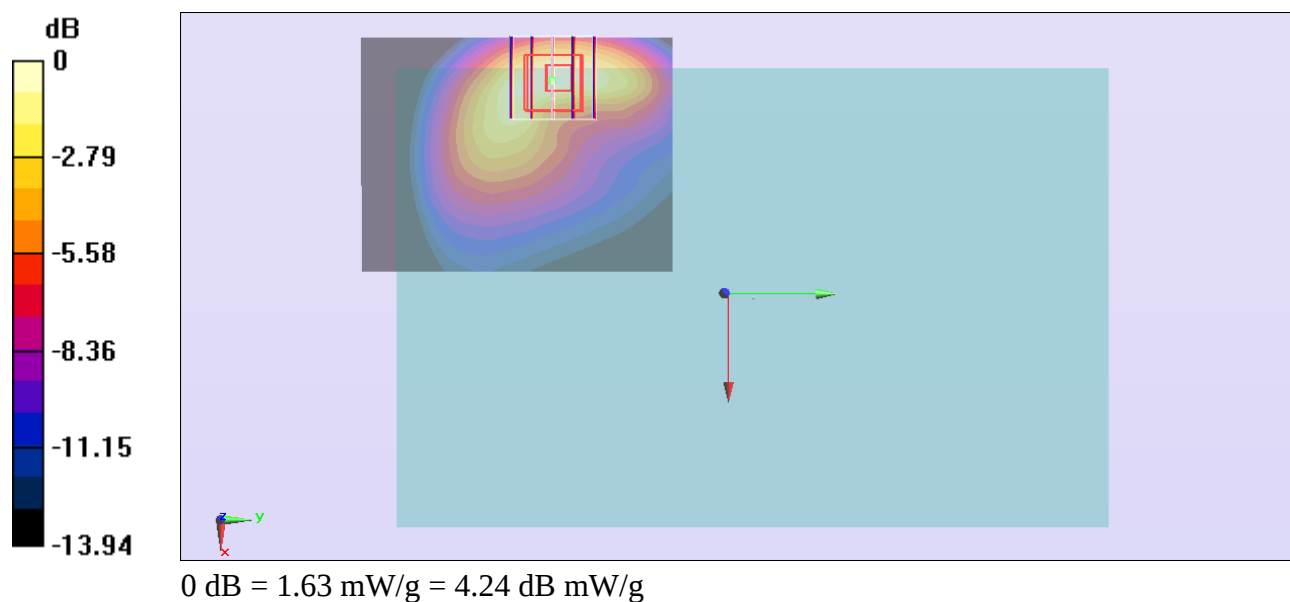
Configuration/Ch1013/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 42.099 V/m ; Power Drift = 0.08 dB

Peak SAR (extrapolated) = 2.045 mW/g

SAR(1 g) = 1.13 mW/g ; SAR(10 g) = 0.647 mW/g

Maximum value of SAR (measured) = 1.63 mW/g



#144_CDMA BC0_RTAP 153.6kbps_Bottom Face_0cm_Ch777**DUT: 12-4-138**

Communication System: CDMA ; Frequency: 848.31 MHz;Duty Cycle: 1:1

Medium: MSL_850_130115 Medium parameters used: $f = 848.31$ MHz; $\sigma = 0.971$ mho/m; $\epsilon_r = 52.891$; ρ

$= 1000$ kg/m³

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3792; ConvF(8.99, 8.99, 8.99); Calibrated: 2012/6/21;
- Sensor-Surface: 2mm (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/Ch777/Area Scan (61x81x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 1.48 mW/g

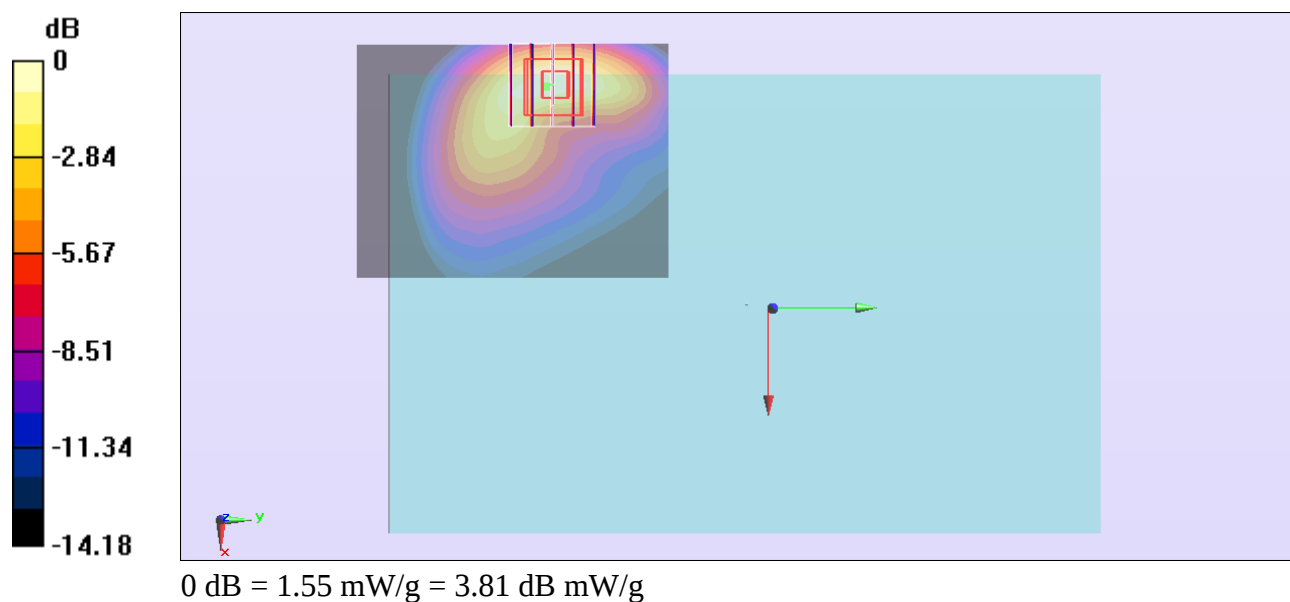
Configuration/Ch777/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 40.699 V/m; Power Drift = -0.13 dB

Peak SAR (extrapolated) = 1.972 mW/g

SAR(1 g) = 1.07 mW/g; SAR(10 g) = 0.598 mW/g

Maximum value of SAR (measured) = 1.55 mW/g



#145_CDMA BC0_RTAP 153.6kbps_Edge3_0cm_Ch384**DUT: 12-4-138**

Communication System: CDMA ; Frequency: 836.52 MHz;Duty Cycle: 1:1

Medium: MSL_850_130115 Medium parameters used: $f = 837$ MHz; $\sigma = 0.96$ mho/m; $\epsilon_r = 53.004$; $\rho =$

1000 kg/m^3

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3792; ConvF(8.99, 8.99, 8.99); Calibrated: 2012/6/21;
- Sensor-Surface: 2mm (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/Ch384/Area Scan (41x111x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$
Maximum value of SAR (interpolated) = 0.597 mW/g

Configuration/Ch384/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 25.142 V/m ; Power Drift = 0.11 dB

Peak SAR (extrapolated) = 0.759 mW/g

SAR(1 g) = 0.422 mW/g ; SAR(10 g) = 0.238 mW/g

Maximum value of SAR (measured) = 0.593 mW/g

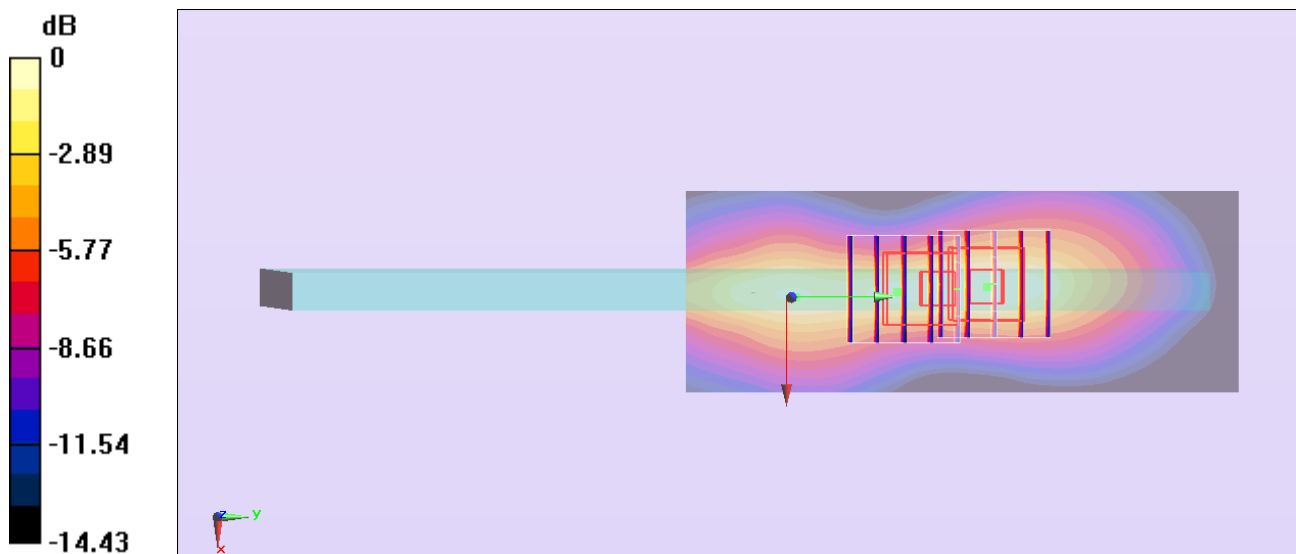
Configuration/Ch384/Zoom Scan (5x5x7)/Cube 1: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 25.142 V/m ; Power Drift = 0.11 dB

Peak SAR (extrapolated) = 0.694 mW/g

SAR(1 g) = 0.370 mW/g ; SAR(10 g) = 0.196 mW/g

Maximum value of SAR (measured) = 0.553 mW/g



0 dB = 0.553 mW/g = -5.15 dB mW/g

#146_CDMA BC0_RTAP 153.6kbps_Bottom Face_0cm_Ch384;Curve**DUT: 12-4-138**

Communication System: CDMA ; Frequency: 836.52 MHz;Duty Cycle: 1:1

Medium: MSL_850_130115 Medium parameters used: $f = 837$ MHz; $\sigma = 0.96$ mho/m; $\epsilon_r = 53.004$; $\rho =$

1000 kg/m^3

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3792; ConvF(8.99, 8.99, 8.99); Calibrated: 2012/6/21;
- Sensor-Surface: 2mm (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/Ch384/Area Scan (61x81x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Maximum value of SAR (interpolated) = 1.63 mW/g

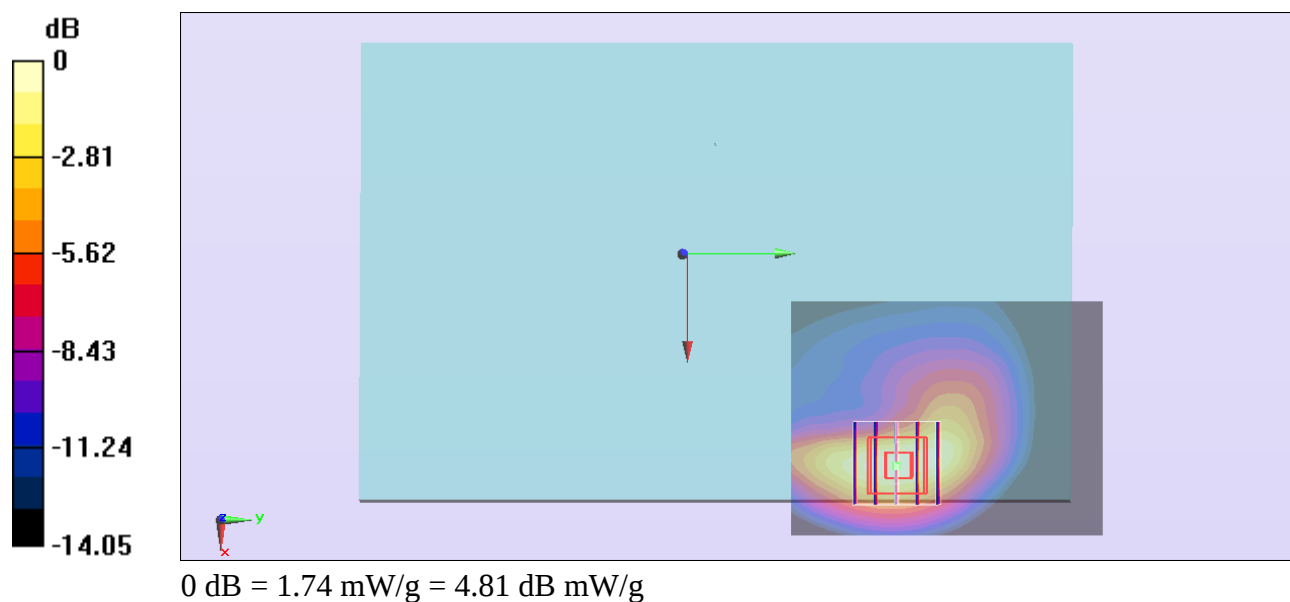
Configuration/Ch384/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 43.087 V/m ; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 2.256 mW/g

SAR(1 g) = 1.17 mW/g ; SAR(10 g) = 0.641 mW/g

Maximum value of SAR (measured) = 1.74 mW/g



#147_CDMA BC0_RTAP 153.6kbps_Bottom Face_0cm_Ch1013;Curve**DUT: 12-4-138**

Communication System: CDMA ; Frequency: 824.7 MHz;Duty Cycle: 1:1

Medium: MSL_850_130115 Medium parameters used: $f = 825$ MHz; $\sigma = 0.948$ mho/m; $\epsilon_r = 53.122$; $\rho =$

1000 kg/m^3

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3792; ConvF(8.99, 8.99, 8.99); Calibrated: 2012/6/21;
- Sensor-Surface: 2mm (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/Ch1013/Area Scan (61x81x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Maximum value of SAR (interpolated) = 1.62 mW/g

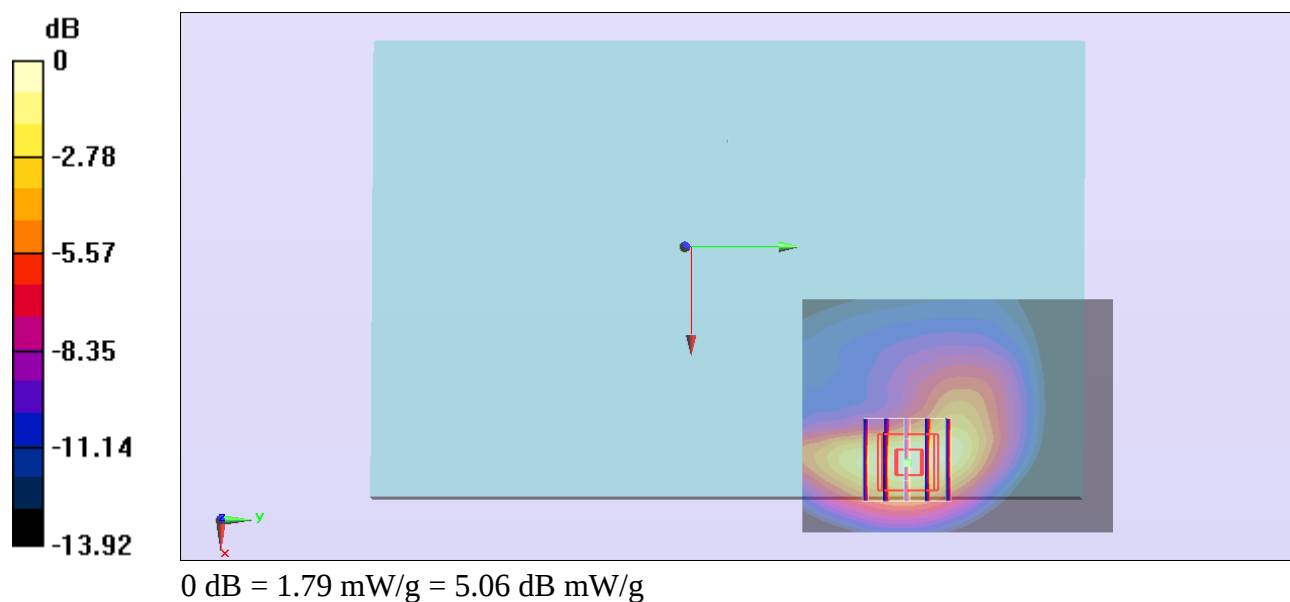
Configuration/Ch1013/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 43.251 V/m ; Power Drift = -0.00 dB

Peak SAR (extrapolated) = 2.306 mW/g

SAR(1 g) = 1.18 mW/g ; SAR(10 g) = 0.645 mW/g

Maximum value of SAR (measured) = 1.79 mW/g



#149_CDMA BC0_RTAP 153.6kbps_Bottom Face_0cm_Ch1013;Curve_Repeat**DUT: 12-4-138**

Communication System: CDMA ; Frequency: 824.7 MHz;Duty Cycle: 1:1

Medium: MSL_850_130115 Medium parameters used: $f = 825$ MHz; $\sigma = 0.948$ mho/m; $\epsilon_r = 53.122$; $\rho =$

1000 kg/m^3

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3792; ConvF(8.99, 8.99, 8.99); Calibrated: 2012/6/21;
- Sensor-Surface: 2mm (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/Ch1013/Area Scan (61x81x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Maximum value of SAR (interpolated) = 1.66 mW/g

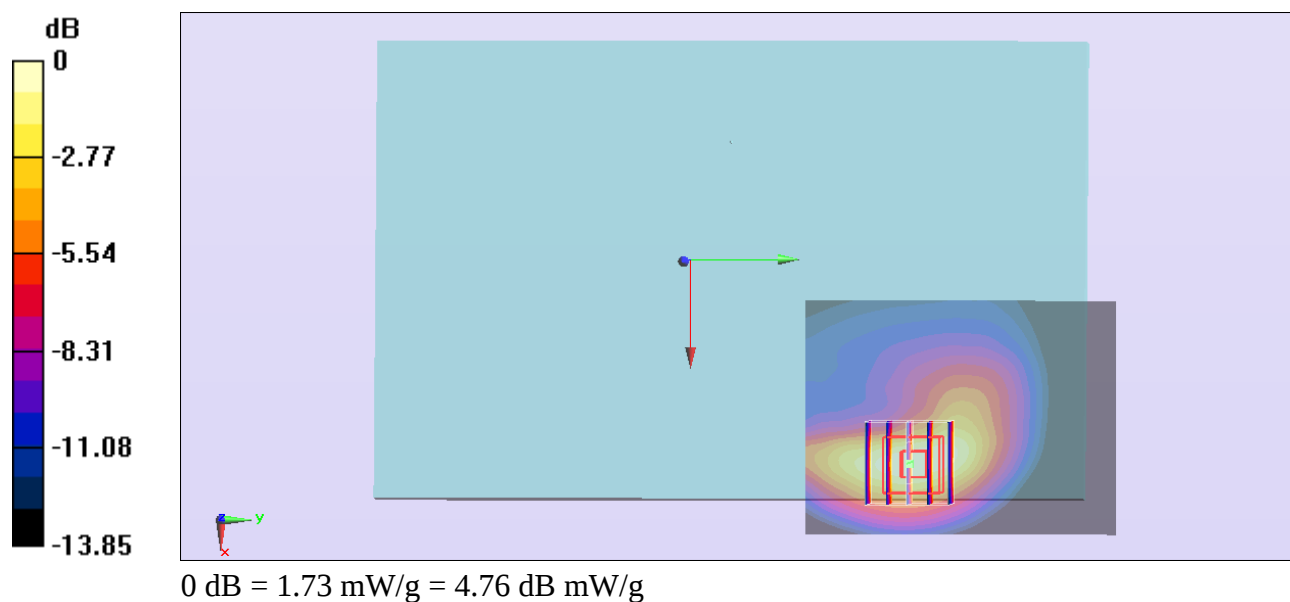
Configuration/Ch1013/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 43.288 V/m ; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 2.225 mW/g

SAR(1 g) = 1.17 mW/g ; SAR(10 g) = 0.645 mW/g

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



#148_CDMA BC0_RTAP 153.6kbps_Bottom Face_0cm_Ch777;Curve**DUT: 12-4-138**

Communication System: CDMA ; Frequency: 848.31 MHz;Duty Cycle: 1:1

Medium: MSL_850_130115 Medium parameters used: $f = 848.31$ MHz; $\sigma = 0.971$ mho/m; $\epsilon_r = 52.891$; ρ

$= 1000$ kg/m³

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3792; ConvF(8.99, 8.99, 8.99); Calibrated: 2012/6/21;
- Sensor-Surface: 2mm (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/Ch777/Area Scan (61x81x1): Measurement grid: dx=15mm, dy=15mm

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

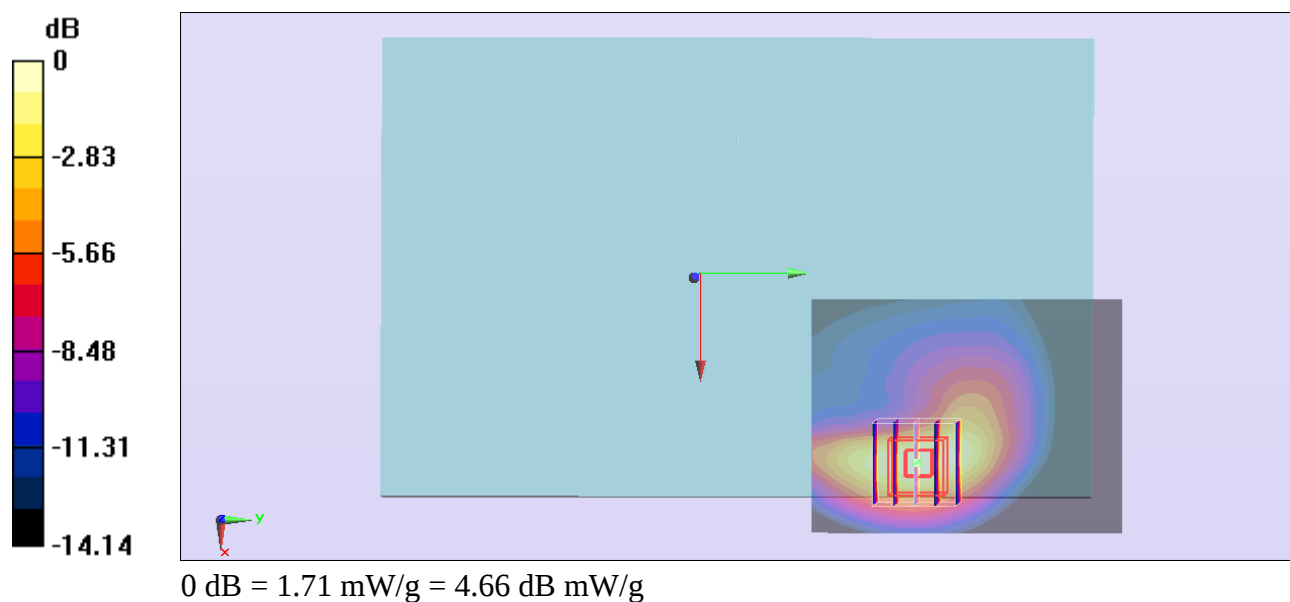
Configuration/Ch777/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 42.048 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 2.221 mW/g

SAR(1 g) = 1.14 mW/g; SAR(10 g) = 0.623 mW/g

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



#75_CDMA BC1_RTAP 153.6kbps_Bottom Face_1cm_Ch25**DUT: 12-4-138**

Communication System: CDMA ; Frequency: 1851.25 MHz; Duty Cycle: 1:1

Medium: MSL_1900_130111 Medium parameters used : $f = 1851.25$ MHz; $\sigma = 1.461$ mho/m; $\epsilon_r =$ 53.485; $\rho = 1000$ kg/m³

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

DASY5 Configuration:

- Probe: ES3DV3 - SN3270; ConvF(4.67, 4.67, 4.67); 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/Ch25/Area Scan (61x81x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.917 mW/g

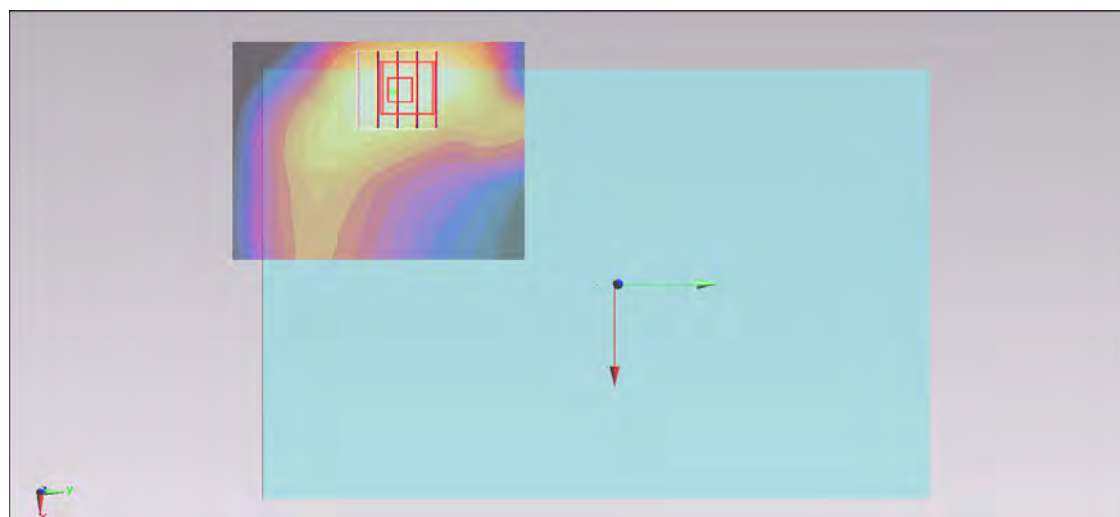
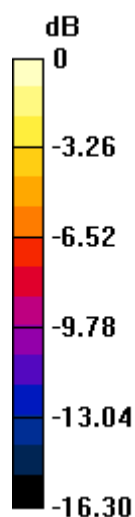
Configuration/Ch25/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 24.486 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 1.111 mW/g

SAR(1 g) = 0.695 mW/g; SAR(10 g) = 0.427 mW/g

Maximum value of SAR (measured) = 0.814 mW/g



0 dB = 0.814 mW/g = -1.79 dB mW/g

#76_CDMA BC1_RTAP 153.6kbps_Bottom Face_1cm_Ch600**DUT: 12-4-138**

Communication System: CDMA ; Frequency: 1880 MHz;Duty Cycle: 1:1

Medium: MSL_1900_130111 Medium parameters used: $f = 1880$ MHz; $\sigma = 1.484$ mho/m; $\epsilon_r = 53.379$; ρ

$= 1000$ kg/m³

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

DASY5 Configuration:

- Probe: ES3DV3 - SN3270; ConvF(4.67, 4.67, 4.67); 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/Ch600/Area Scan (61x81x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 1.02 mW/g

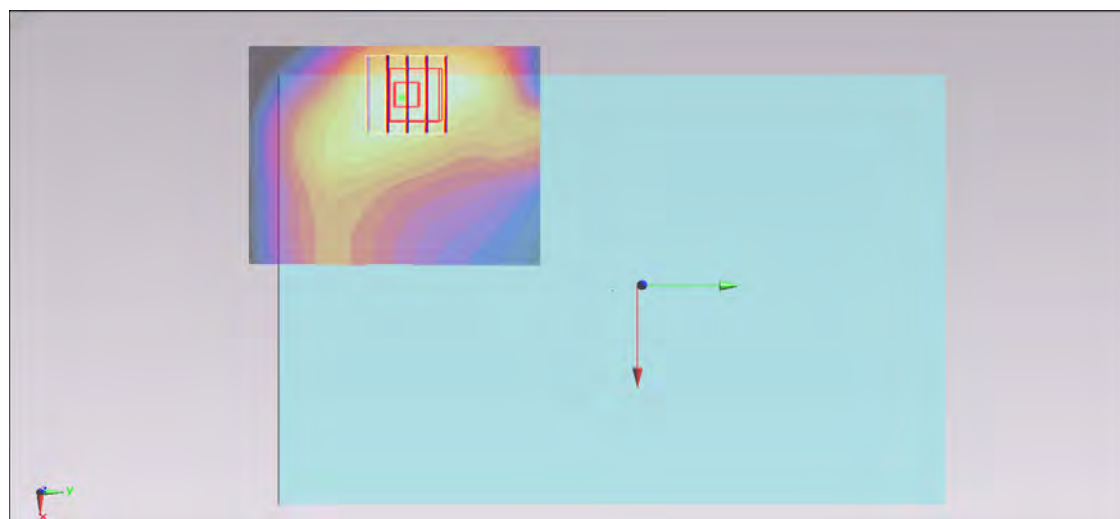
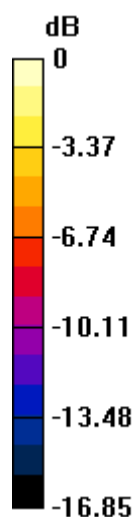
Configuration/Ch600/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 25.663 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 1.284 mW/g

SAR(1 g) = 0.771 mW/g; SAR(10 g) = 0.467 mW/g

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



0 dB = 0.921 mW/g = -0.71 dB mW/g

#77_CDMA BC1_RTAP 153.6kbps_Bottom Face_1cm_Ch1175**DUT: 12-4-138**

Communication System: CDMA ; Frequency: 1908.75 MHz; Duty Cycle: 1:1

Medium: MSL_1900_130111 Medium parameters used: $f = 1909$ MHz; $\sigma = 1.508$ mho/m; $\epsilon_r = 53.215$; ρ

$= 1000$ kg/m³

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

DASY5 Configuration:

- Probe: ES3DV3 - SN3270; ConvF(4.67, 4.67, 4.67); 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/Ch1175/Area Scan (61x81x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 1.06 mW/g

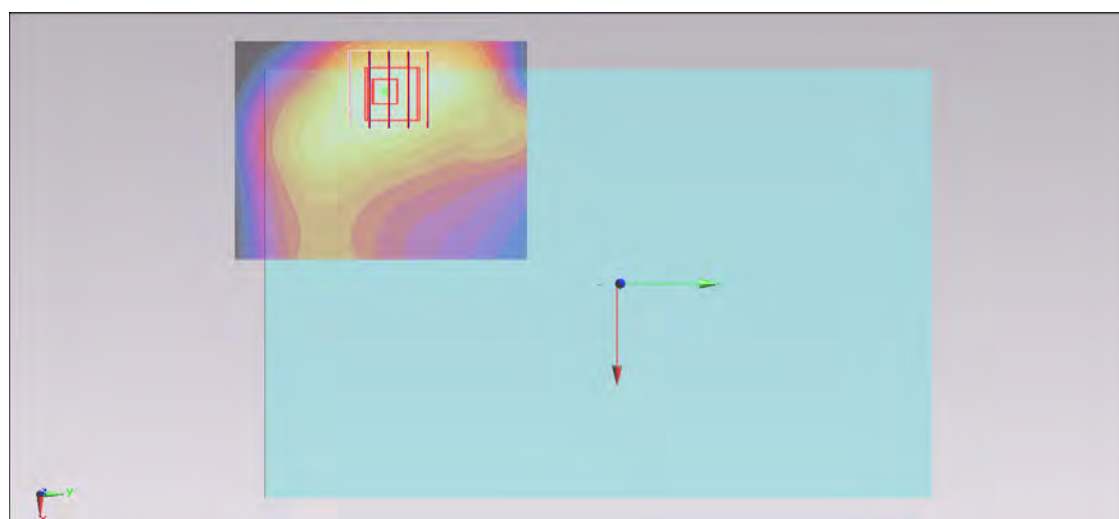
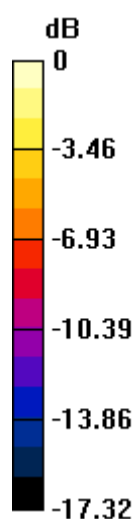
Configuration/Ch1175/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 26.389 V/m; Power Drift = 0.00 dB

Peak SAR (extrapolated) = 1.364 mW/g

SAR(1 g) = 0.803 mW/g; SAR(10 g) = 0.481 mW/g

Maximum value of SAR (measured) = 0.955 mW/g



0 dB = 0.955 mW/g = -0.40 dB mW/g

#78_CDMA BC1_RTAP 153.6kbps_Edge 3_0.8cm_Ch25**DUT: 12-4-138**

Communication System: CDMA ; Frequency: 1851.25 MHz;Duty Cycle: 1:1

Medium: MSL_1900_130114 Medium parameters used: $f = 1851.25$ MHz; $\sigma = 1.477$ mho/m; $\epsilon_r =$

53.851; $\rho = 1000$ kg/m³

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3792; ConvF(7.29, 7.29, 7.29); Calibrated: 2012/6/21;
- Sensor-Surface: 2mm (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/Ch25/Area Scan (41x91x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 1.03 mW/g

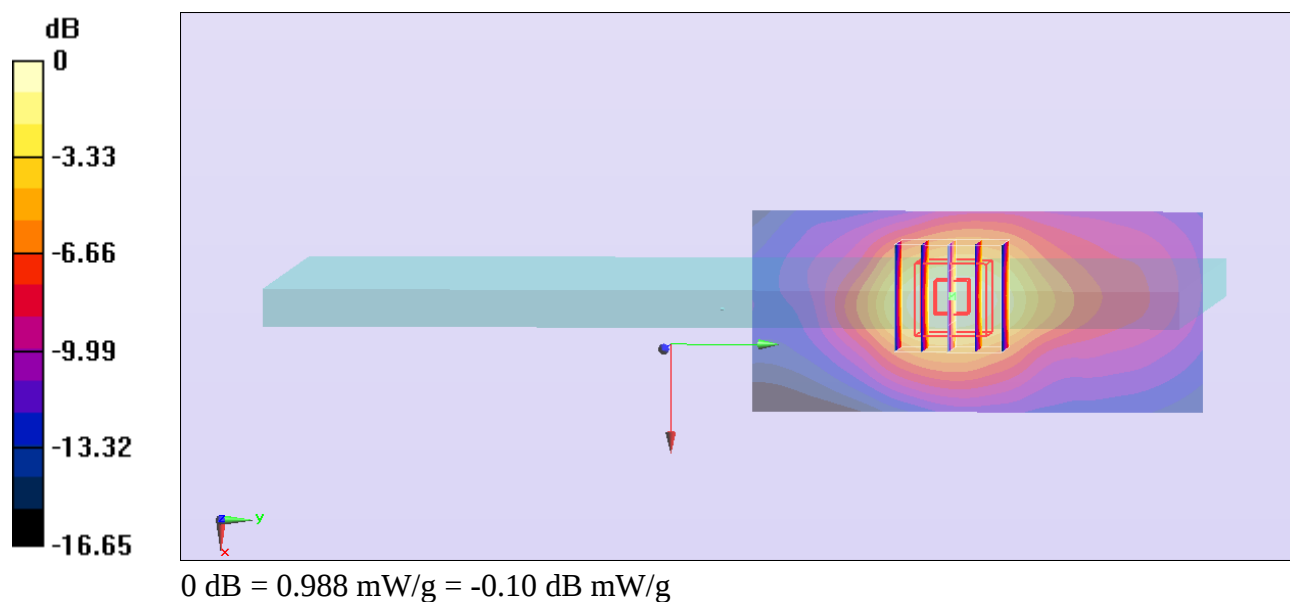
Configuration/Ch25/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 26.689 V/m; Power Drift = -0.12 dB

Peak SAR (extrapolated) = 1.218 mW/g

SAR(1 g) = 0.739 mW/g; SAR(10 g) = 0.421 mW/g

Maximum value of SAR (measured) = 0.988 mW/g



#79_CDMA BC1_RTAP 153.6kbps_Edge 3_0.8cm_Ch600**DUT: 12-4-138**

Communication System: CDMA ; Frequency: 1880 MHz;Duty Cycle: 1:1

Medium: MSL_1900_130114 Medium parameters used: $f = 1880$ MHz; $\sigma = 1.5$ mho/m; $\epsilon_r = 53.744$; $\rho =$

1000 kg/m^3

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3792; ConvF(7.29, 7.29, 7.29); Calibrated: 2012/6/21;
- Sensor-Surface: 2mm (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/Ch600/Area Scan (41x91x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Maximum value of SAR (interpolated) = 0.935 mW/g

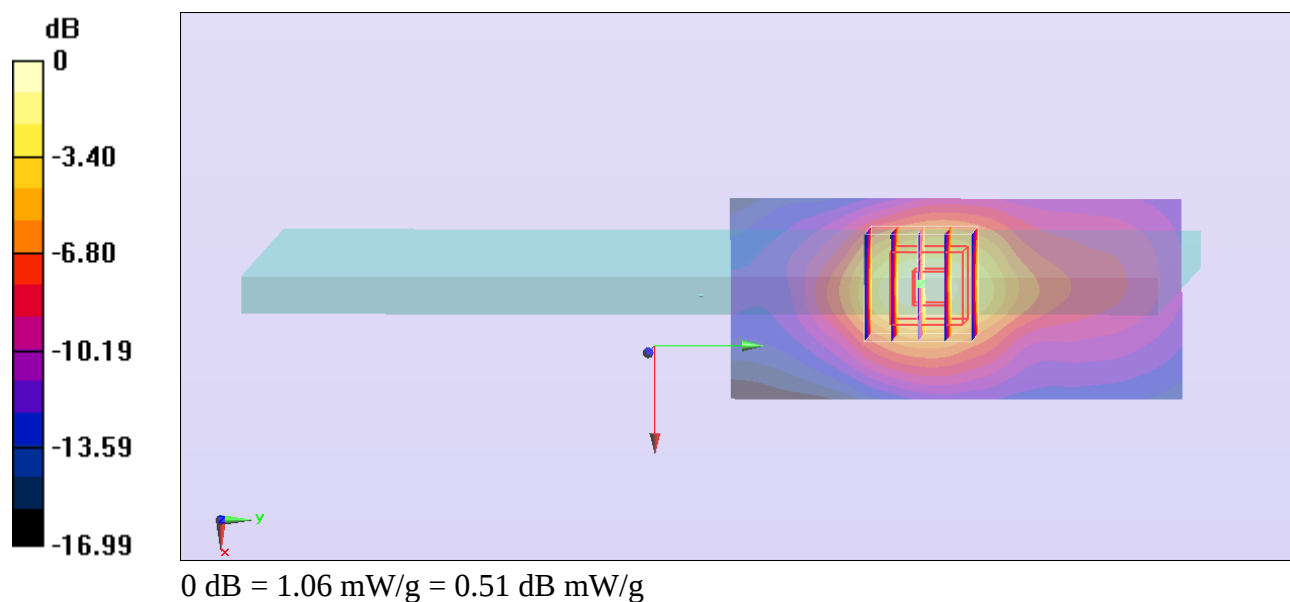
Configuration/Ch600/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 27.613 V/m ; Power Drift = -0.10 dB

Peak SAR (extrapolated) = 1.317 mW/g

SAR(1 g) = 0.801 mW/g ; SAR(10 g) = 0.457 mW/g

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



#80_CDMA BC1_RTAP 153.6kbps_Edge 3_0.8cm_Ch1175**DUT: 12-4-138**

Communication System: CDMA ; Frequency: 1908.75 MHz;Duty Cycle: 1:1

Medium: MSL_1900_130114 Medium parameters used: $f = 1909$ MHz; $\sigma = 1.525$ mho/m; $\epsilon_r = 53.583$; ρ

$= 1000$ kg/m³

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3792; ConvF(7.29, 7.29, 7.29); Calibrated: 2012/6/21;
- Sensor-Surface: 2mm (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/Ch1175/Area Scan (41x91x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 1.27 mW/g

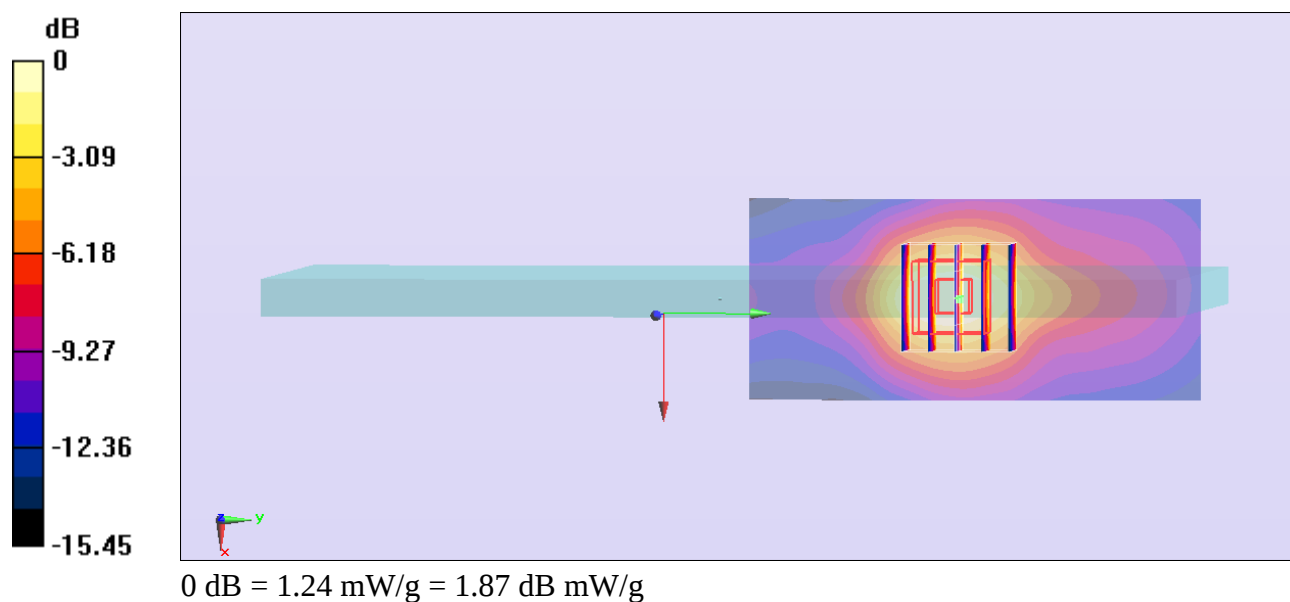
Configuration/Ch1175/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 28.941 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 1.540 mW/g

SAR(1 g) = 0.928 mW/g; SAR(10 g) = 0.528 mW/g

Maximum value of SAR (measured) = 1.24 mW/g



#81_CDMA BC1_RTAP 153.6kbps_Edge 4_0cm_Ch25**DUT: 12-4-138**

Communication System: CDMA ; Frequency: 1851.25 MHz;Duty Cycle: 1:1

Medium: MSL_1900_130111 Medium parameters used : $f = 1851.25$ MHz; $\sigma = 1.461$ mho/m; $\epsilon_r =$

53.485; $\rho = 1000$ kg/m³

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

DASY5 Configuration:

- Probe: ES3DV3 - SN3270; ConvF(4.67, 4.67, 4.67); 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/Ch25/Area Scan (41x131x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.538 mW/g

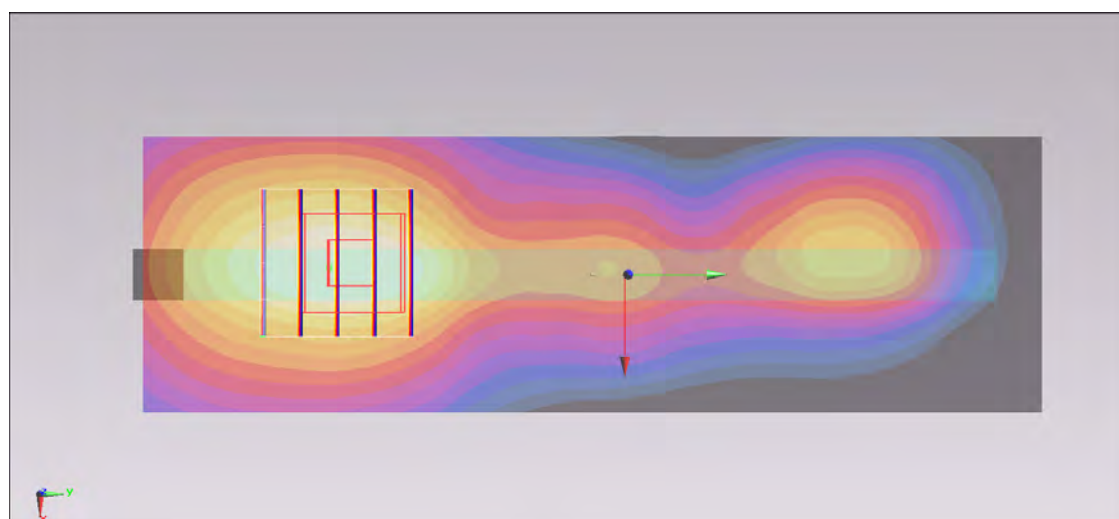
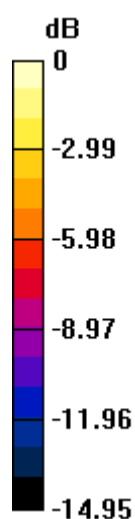
Configuration/Ch25/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 18.949 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 0.687 mW/g

SAR(1 g) = 0.406 mW/g; SAR(10 g) = 0.236 mW/g

Maximum value of SAR (measured) = 0.485 mW/g



0 dB = 0.485 mW/g = -6.29 dB mW/g

#82_CDMA BC1_RTAP 153.6kbps_Bottom Face_0cm_Ch25**DUT: 12-4-138**

Communication System: CDMA ; Frequency: 1851.25 MHz; Duty Cycle: 1:1

Medium: MSL_1900_130111 Medium parameters used : $f = 1851.25$ MHz; $\sigma = 1.461$ mho/m; $\epsilon_r =$ 53.485; $\rho = 1000$ kg/m³

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

DASY5 Configuration:

- Probe: ES3DV3 - SN3270; ConvF(4.67, 4.67, 4.67); 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/Ch25/Area Scan (61x81x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 1.65 mW/g

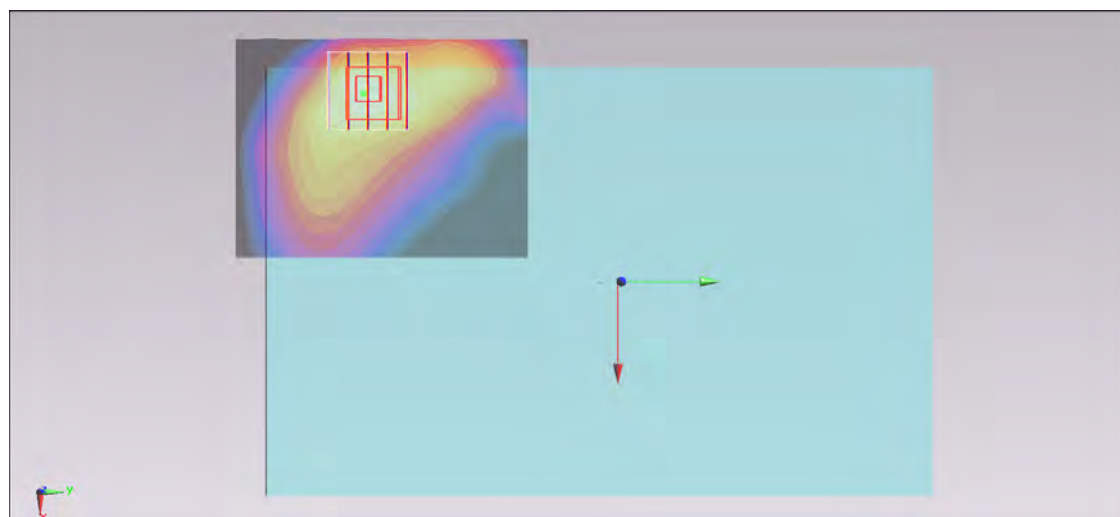
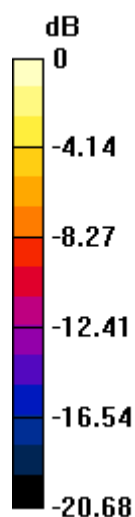
Configuration/Ch25/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 34.481 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 2.672 mW/g

SAR(1 g) = 1.3 mW/g; SAR(10 g) = 0.649 mW/g

Maximum value of SAR (measured) = 1.70 mW/g



0 dB = 1.70 mW/g = 4.61 dB mW/g

#83_CDMA BC1_RTAP 153.6kbps_Bottom Face_0cm_Ch600**DUT: 12-4-138**

Communication System: CDMA ; Frequency: 1880 MHz;Duty Cycle: 1:1

Medium: MSL_1900_130111 Medium parameters used: $f = 1880$ MHz; $\sigma = 1.484$ mho/m; $\epsilon_r = 53.379$; ρ

$= 1000$ kg/m³

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

DASY5 Configuration:

- Probe: ES3DV3 - SN3270; ConvF(4.67, 4.67, 4.67); 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/Ch600/Area Scan (61x81x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 1.66 mW/g

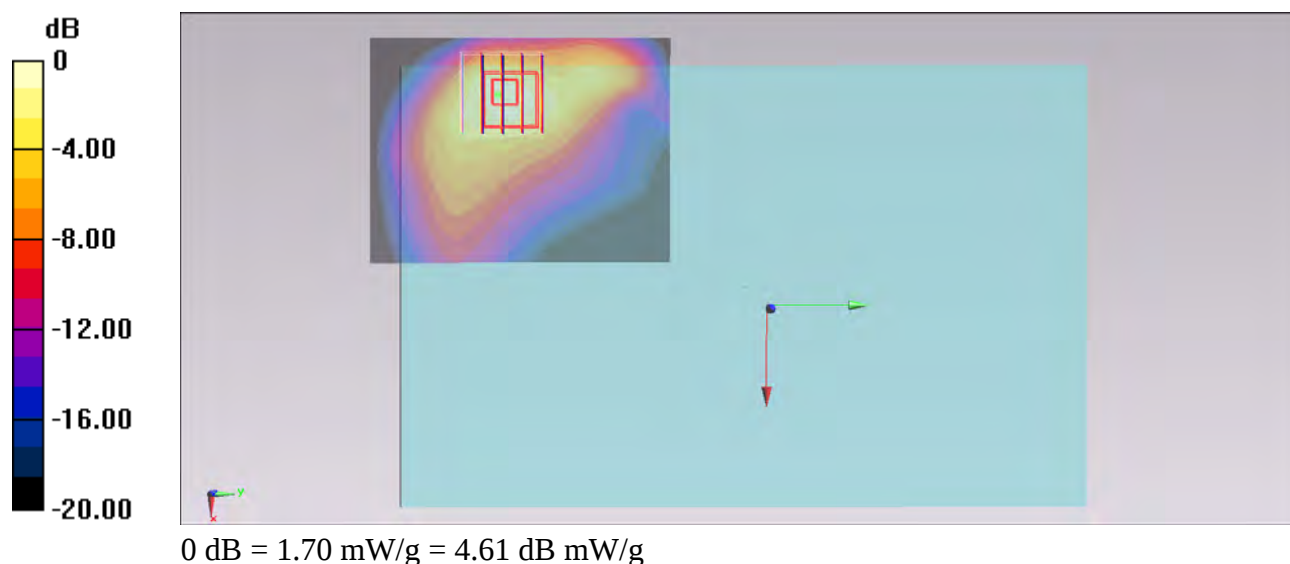
Configuration/Ch600/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 33.289 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 2.717 mW/g

SAR(1 g) = 1.31 mW/g; SAR(10 g) = 0.655 mW/g

Maximum value of SAR (measured) = 1.70 mW/g



#91_CDMA BC1_RTAP 153.6kbps_Bottom Face_0cm_Ch600_Repeat**DUT: 12-4-138**

Communication System: CDMA ; Frequency: 1880 MHz; Duty Cycle: 1:1

Medium: MSL_1900_130111 Medium parameters used: $f = 1880$ MHz; $\sigma = 1.484$ mho/m; $\epsilon_r = 53.379$; ρ $= 1000$ kg/m³

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

DASY5 Configuration:

- Probe: ES3DV3 - SN3270; ConvF(4.67, 4.67, 4.67); 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/Ch600/Area Scan (61x81x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 1.63 mW/g

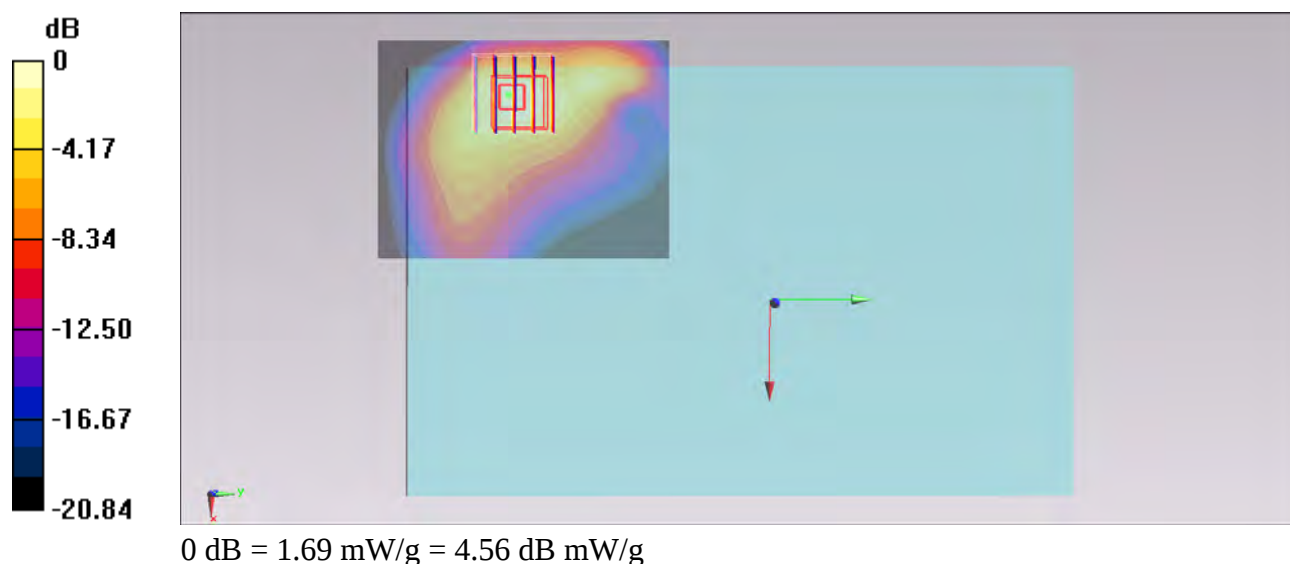
Configuration/Ch600/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 35.671 V/m; Power Drift = -0.17 dB

Peak SAR (extrapolated) = 2.694 mW/g

SAR(1 g) = 1.3 mW/g; SAR(10 g) = 0.655 mW/g

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



#84_CDMA BC1_RTAP 153.6kbps_Bottom Face_0cm_Ch1175**DUT: 12-4-138**

Communication System: CDMA ; Frequency: 1908.75 MHz; Duty Cycle: 1:1

Medium: MSL_1900_130111 Medium parameters used: $f = 1909$ MHz; $\sigma = 1.508$ mho/m; $\epsilon_r = 53.215$; ρ

$= 1000$ kg/m³

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

DASY5 Configuration:

- Probe: ES3DV3 - SN3270; ConvF(4.67, 4.67, 4.67); 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/Ch1175/Area Scan (61x81x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 1.67 mW/g

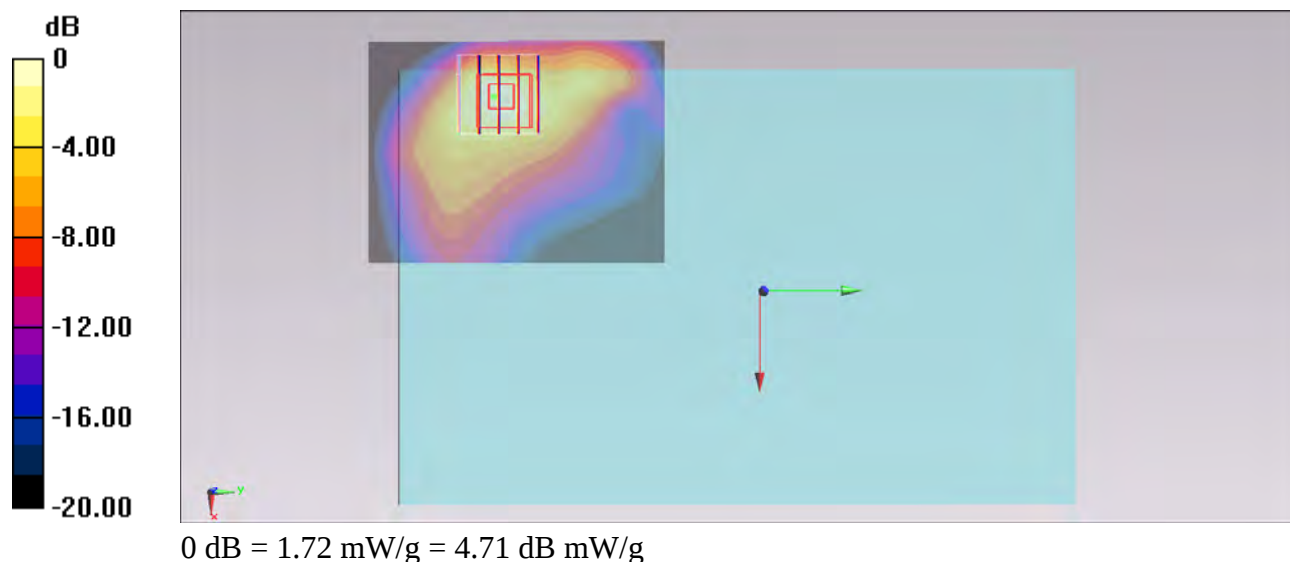
Configuration/Ch1175/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 33.235 V/m; Power Drift = -0.07 dB

Peak SAR (extrapolated) = 2.743 mW/g

SAR(1 g) = 1.31 mW/g; SAR(10 g) = 0.644 mW/g

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



#85_CDMA BC1_RTAP 153.6kbps_Edge 3_0cm_Ch25**DUT: 12-4-138**

Communication System: CDMA ; Frequency: 1851.25 MHz;Duty Cycle: 1:1

Medium: MSL_1900_130111 Medium parameters used : $f = 1851.25$ MHz; $\sigma = 1.461$ mho/m; $\epsilon_r =$

53.485; $\rho = 1000$ kg/m³

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

DASY5 Configuration:

- Probe: ES3DV3 - SN3270; ConvF(4.67, 4.67, 4.67); 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/Ch25/Area Scan (41x91x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 1.11 mW/g

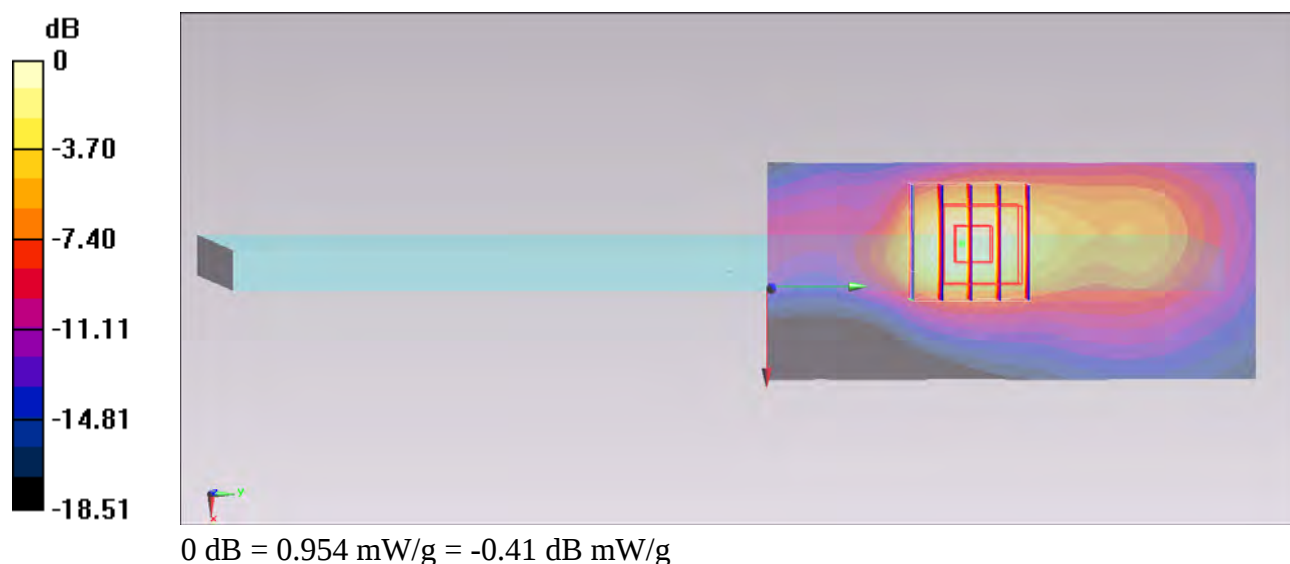
Configuration/Ch25/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 26.104 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 1.397 mW/g

SAR(1 g) = 0.760 mW/g; SAR(10 g) = 0.399 mW/g

Maximum value of SAR (measured) = 0.954 mW/g



#86_CDMA BC1_RTAP 153.6kbps_Edge 3_0cm_Ch600**DUT: 12-4-138**

Communication System: CDMA ; Frequency: 1880 MHz; Duty Cycle: 1:1

Medium: MSL_1900_130111 Medium parameters used: $f = 1880$ MHz; $\sigma = 1.484$ mho/m; $\epsilon_r = 53.379$; ρ

$= 1000$ kg/m³

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

DASY5 Configuration:

- Probe: ES3DV3 - SN3270; ConvF(4.67, 4.67, 4.67); 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/Ch600/Area Scan (41x91x1): Measurement grid: dx=15mm, dy=15mm

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

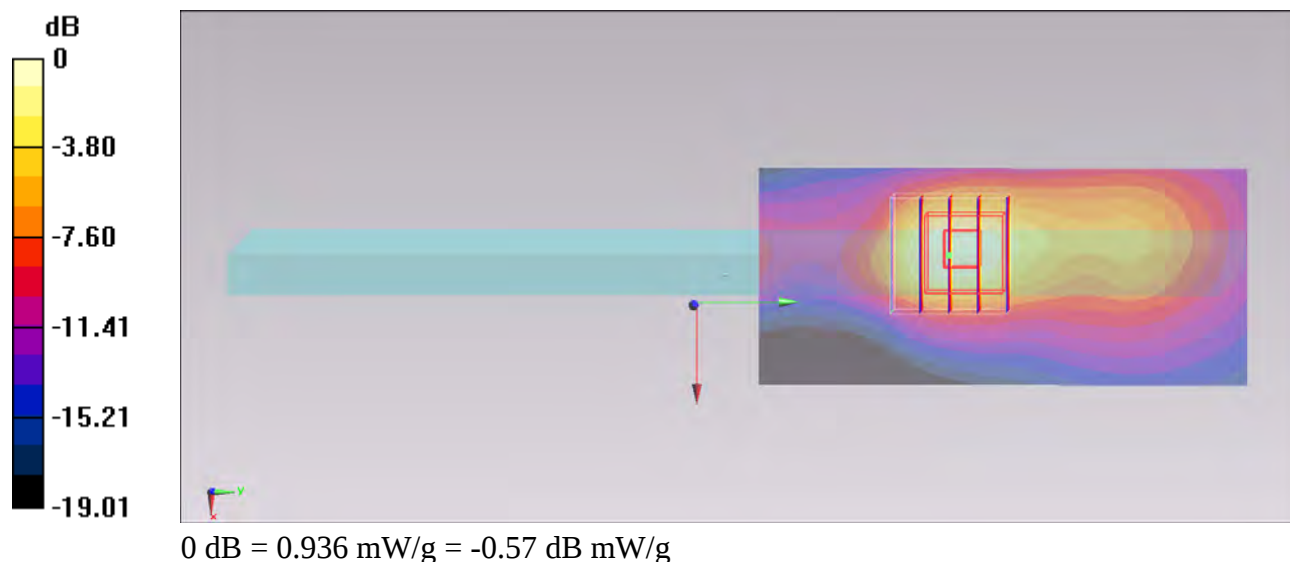
Configuration/Ch600/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 25.807 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 1.378 mW/g

SAR(1 g) = 0.742 mW/g; SAR(10 g) = 0.386 mW/g

Maximum value of SAR (measured) = 0.936 mW/g



#87_CDMA BC1_RTAP 153.6kbps_Edge 3_0cm_Ch1175**DUT: 12-4-138**

Communication System: CDMA ; Frequency: 1908.75 MHz; Duty Cycle: 1:1

Medium: MSL_1900_130111 Medium parameters used: $f = 1909$ MHz; $\sigma = 1.508$ mho/m; $\epsilon_r = 53.215$; ρ

$= 1000$ kg/m³

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

DASY5 Configuration:

- Probe: ES3DV3 - SN3270; ConvF(4.67, 4.67, 4.67); 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/Ch1175/Area Scan (41x91x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 1.00 mW/g

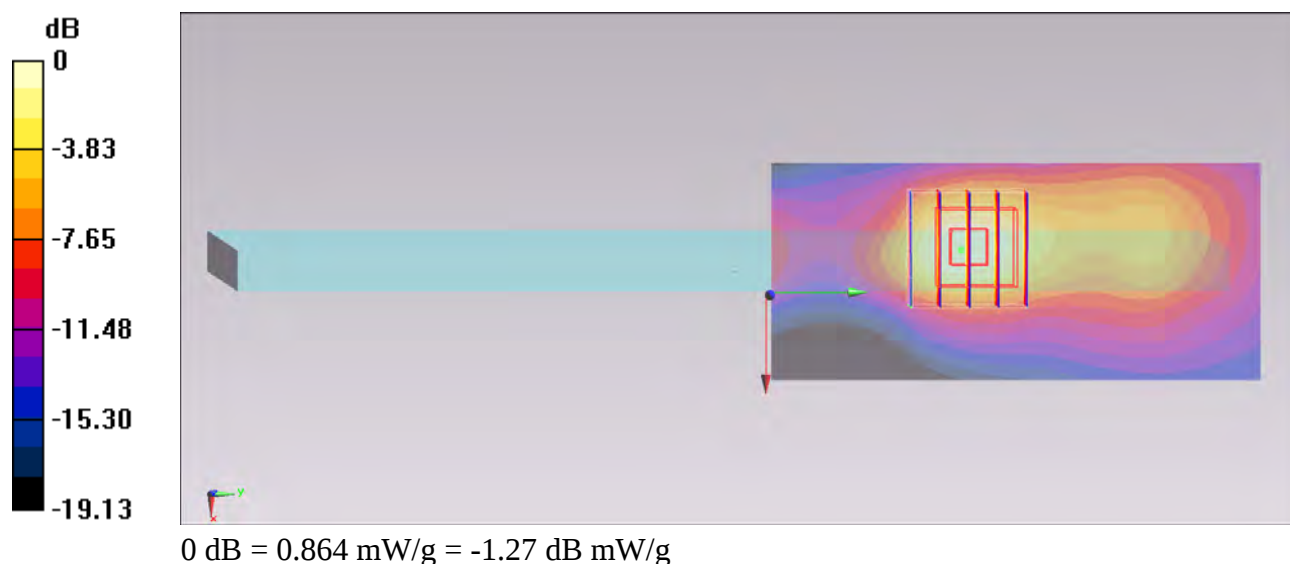
Configuration/Ch1175/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 24.565 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 1.291 mW/g

SAR(1 g) = 0.682 mW/g; SAR(10 g) = 0.354 mW/g

Maximum value of SAR (measured) = 0.864 mW/g



#88_CDMA BC1_RTAP 153.6kbps_Bottom Face_0cm_Ch25;Curve**DUT: 12-4-138**

Communication System: CDMA ; Frequency: 1851.25 MHz;Duty Cycle: 1:1

Medium: MSL_1900_130111 Medium parameters used : $f = 1851.25$ MHz; $\sigma = 1.461$ mho/m; $\epsilon_r =$

53.485; $\rho = 1000$ kg/m³

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

DASY5 Configuration:

- Probe: ES3DV3 - SN3270; ConvF(4.67, 4.67, 4.67); 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/Ch25/Area Scan (61x81x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 1.57 mW/g

Configuration/Ch25/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 33.742 V/m; Power Drift = -0.16 dB

Peak SAR (extrapolated) = 2.627 mW/g

SAR(1 g) = 1.29 mW/g; SAR(10 g) = 0.640 mW/g

Maximum value of SAR (measured) = 1.60 mW/g

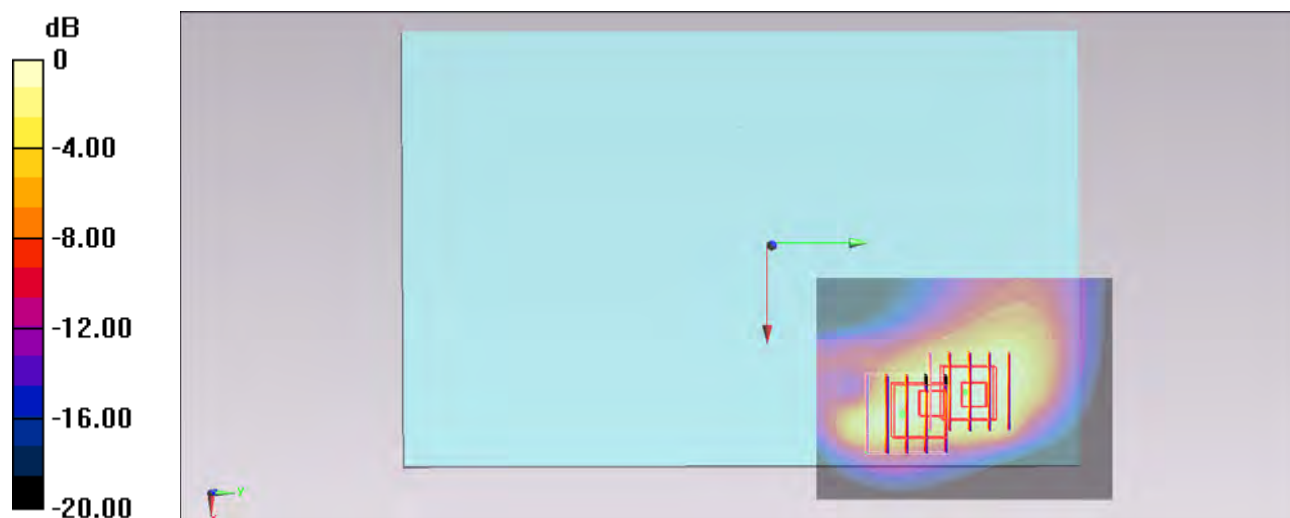
Configuration/Ch25/Zoom Scan (5x5x7)/Cube 1: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 33.742 V/m; Power Drift = -0.16 dB

Peak SAR (extrapolated) = 2.744 mW/g

SAR(1 g) = 0.896 mW/g; SAR(10 g) = 0.432 mW/g

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



0 dB = 1.13 mW/g = 1.06 dB mW/g

#89_CDMA BC1_RTAP 153.6kbps_Bottom Face_0cm_Ch600;Curve**DUT: 12-4-138**

Communication System: CDMA ; Frequency: 1880 MHz;Duty Cycle: 1:1

Medium: MSL_1900_130111 Medium parameters used: $f = 1880$ MHz; $\sigma = 1.484$ mho/m; $\epsilon_r = 53.379$; ρ

$= 1000$ kg/m³

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

DASY5 Configuration:

- Probe: ES3DV3 - SN3270; ConvF(4.67, 4.67, 4.67); 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/Ch600/Area Scan (61x81x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 1.63 mW/g

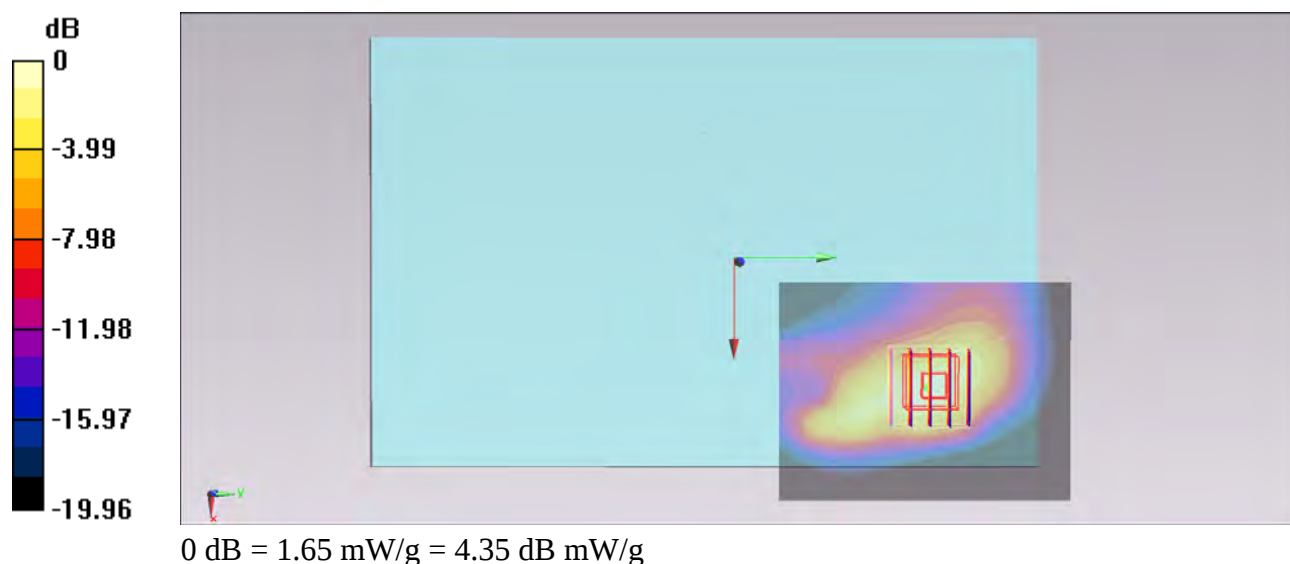
Configuration/Ch600/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 33.660 V/m; Power Drift = -0.16 dB

Peak SAR (extrapolated) = 2.649 mW/g

SAR(1 g) = 1.28 mW/g; SAR(10 g) = 0.637 mW/g

Maximum value of SAR (measured) = 1.65 mW/g



#90_CDMA BC1_RTAP 153.6kbps_Bottom Face_0cm_Ch1175;Curve**DUT: 12-4-138**

Communication System: CDMA ; Frequency: 1908.75 MHz;Duty Cycle: 1:1

Medium: MSL_1900_130111 Medium parameters used: $f = 1909$ MHz; $\sigma = 1.508$ mho/m; $\epsilon_r = 53.215$; ρ

$= 1000$ kg/m³

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

DASY5 Configuration:

- Probe: ES3DV3 - SN3270; ConvF(4.67, 4.67, 4.67); 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/Ch1175/Area Scan (61x81x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 1.64 mW/g

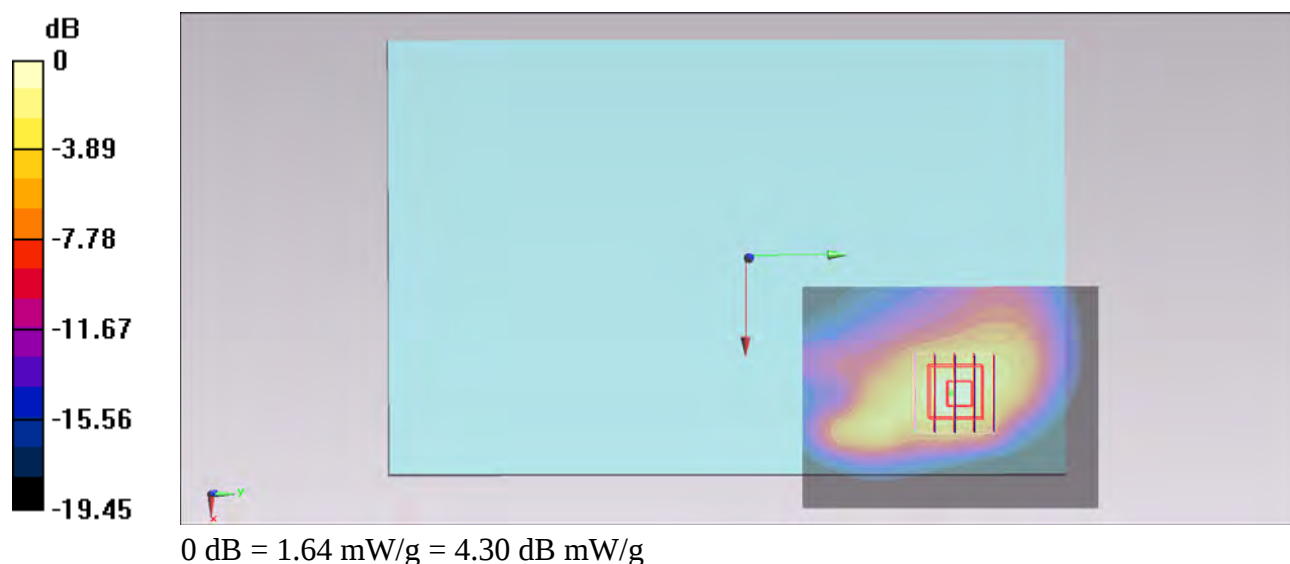
Configuration/Ch1175/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 33.716 V/m; Power Drift = 0.00 dB

Peak SAR (extrapolated) = 2.666 mW/g

SAR(1 g) = 1.29 mW/g; SAR(10 g) = 0.628 mW/g

Maximum value of SAR (measured) = 1.64 mW/g



#342_ LTE Band 13_10M_QPSK 1RB 0offset_Bottom Face_1cm_Ch23230**DUT: 12-4-138**

Communication System: LTE; Frequency: 782 MHz; Duty Cycle: 1:1

Medium: MSL_750_130116 Medium parameters used: $f = 782$ MHz; $\sigma = 0.996$ mho/m; $\epsilon_r = 54.378$; $\rho =$

1000 kg/m^3

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

DASY5 Configuration:

- Probe: ET3DV6 - SN1787; ConvF(6.2, 6.2, 6.2); Calibrated: 2012/5/29;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn495; Calibrated: 2012/4/23
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP:1127
- Measurement SW: DASY52, Version 52.8 (3); SEMCAD X Version 14.6.5 (6469)

Configuration/Ch23230/Area Scan (61x81x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Maximum value of SAR (interpolated) = 0.715 mW/g

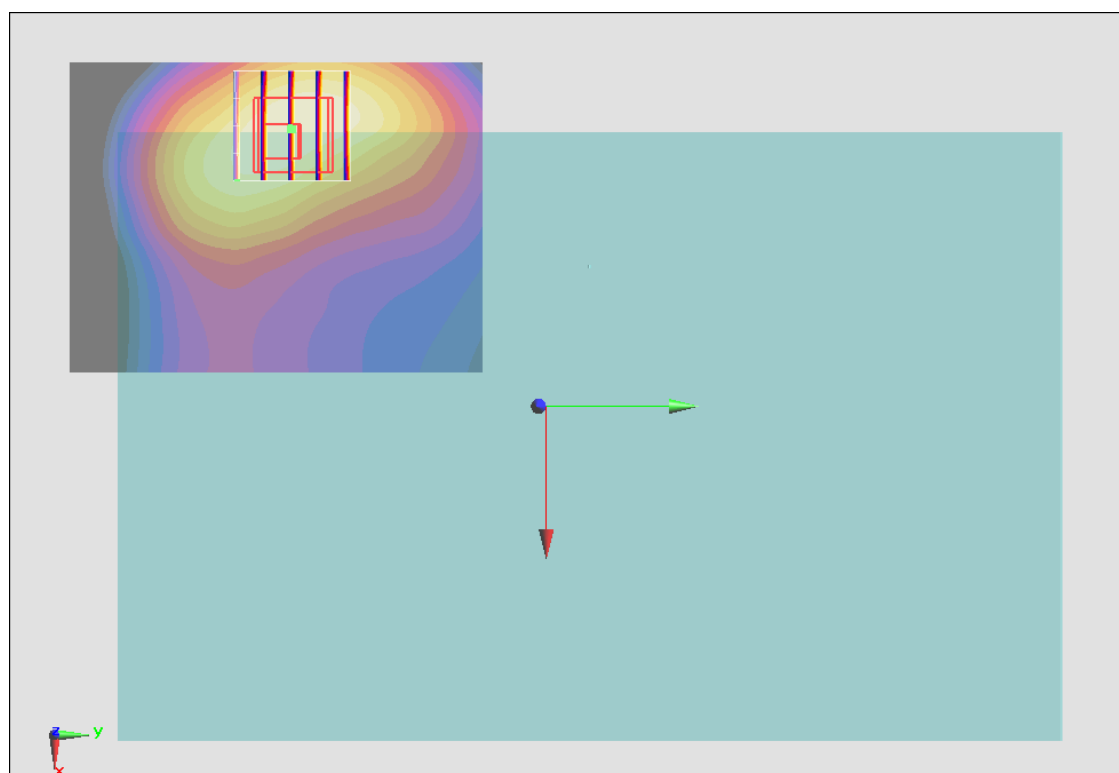
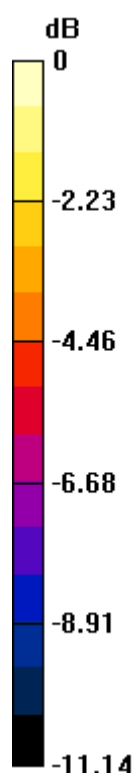
Configuration/Ch23230/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 27.570 V/m ; Power Drift = -0.150 dB

Peak SAR (extrapolated) = 0.912 mW/g

SAR(1 g) = 0.652 mW/g ; SAR(10 g) = 0.442 mW/g

Maximum value of SAR (measured) = 0.692 mW/g



0 dB = 0.692 mW/g = -3.20 dB mW/g

#343_LTE Band 13_10M_QPSK 25RB 0offset_Bottom Face_1cm_Ch23230**DUT: 12-4-138**

Communication System: LTE; Frequency: 782 MHz; Duty Cycle: 1:1

Medium: MSL_750_130116 Medium parameters used: $f = 782$ MHz; $\sigma = 0.996$ mho/m; $\epsilon_r = 54.378$; $\rho =$

1000 kg/m^3

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

DASY5 Configuration:

- Probe: ET3DV6 - SN1787; ConvF(6.2, 6.2, 6.2); Calibrated: 2012/5/29;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn495; Calibrated: 2012/4/23
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP:1127
- Measurement SW: DASY52, Version 52.8 (3); SEMCAD X Version 14.6.5 (6469)

Configuration/Ch23230/Area Scan (61x81x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Maximum value of SAR (interpolated) = 0.581 mW/g

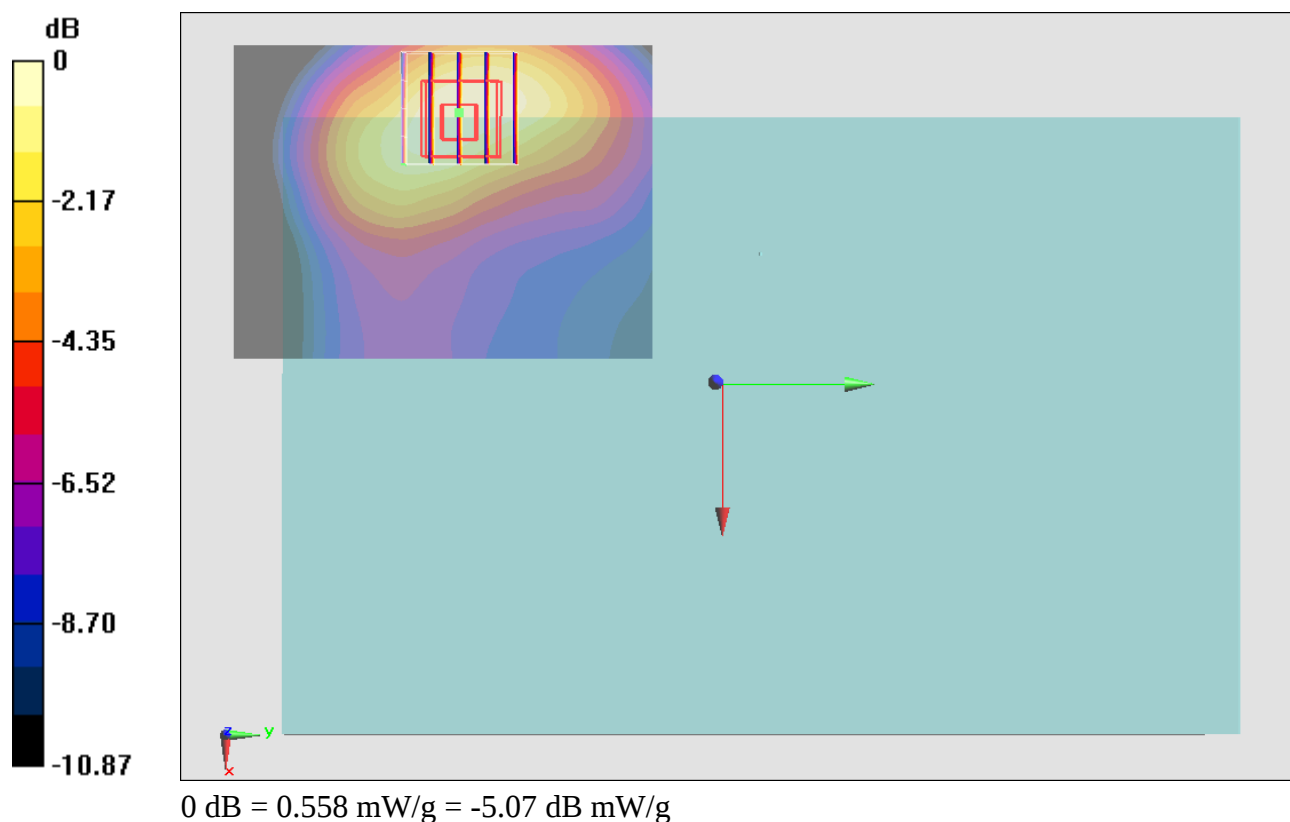
Configuration/Ch23230/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 24.582 V/m ; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 0.773 mW/g

SAR(1 g) = 0.521 mW/g ; SAR(10 g) = 0.348 mW/g

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



#378_LTE Band 13_10M_QPSK 50RB 0offset_Bottom Face_1cm_Ch23230**DUT: 12-4-138**

Communication System: LTE; Frequency: 782 MHz; Duty Cycle: 1:1

Medium: MSL_750_130116 Medium parameters used: $f = 782$ MHz; $\sigma = 0.996$ mho/m; $\epsilon_r = 54.378$; $\rho =$

1000 kg/m³

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

DASY5 Configuration:

- Probe: ET3DV6 - SN1787; ConvF(6.2, 6.2, 6.2); Calibrated: 2012/5/29;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn495; Calibrated: 2012/4/23
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP:1127
- Measurement SW: DASY52, Version 52.8 (3); SEMCAD X Version 14.6.5 (6469)

Configuration/Ch23230/Area Scan (61x81x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.472 mW/g

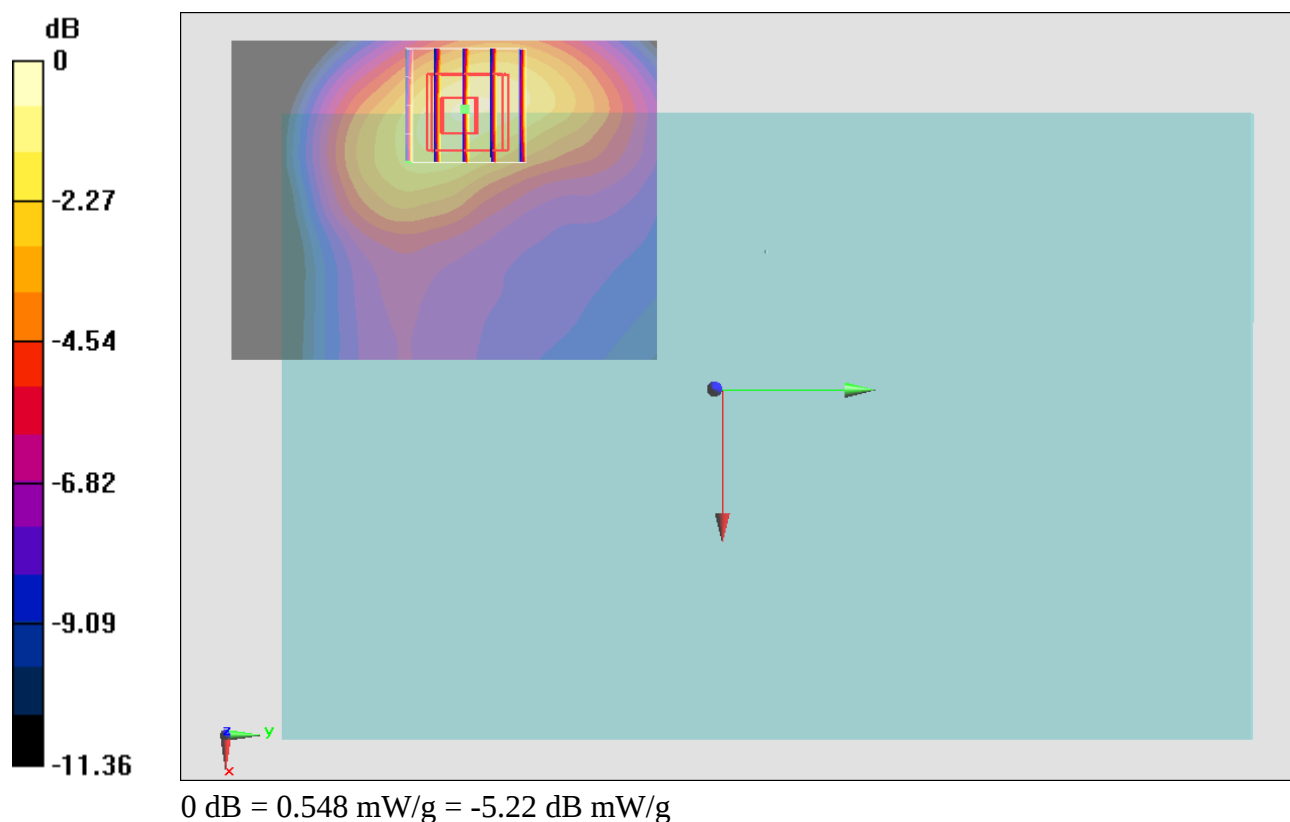
Configuration/Ch23230/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 23.096 V/m; Power Drift = 0.145 dB

Peak SAR (extrapolated) = 0.745 mW/g

SAR(1 g) = 0.512 mW/g; SAR(10 g) = 0.336 mW/g

Maximum value of SAR (measured) = 0.548 mW/g



#337_ LTE Band 13_10M_QPSK 1RB 0offset_Edge3_0.8cm_Ch23230**DUT: 12-4-138**

Communication System: LTE; Frequency: 782 MHz; Duty Cycle: 1:1

Medium: MSL_750_130116 Medium parameters used: $f = 782$ MHz; $\sigma = 0.996$ mho/m; $\epsilon_r = 54.378$; $\rho =$

1000 kg/m^3

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

DASY5 Configuration:

- Probe: ET3DV6 - SN1787; ConvF(6.2, 6.2, 6.2); Calibrated: 2012/5/29;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn495; Calibrated: 2012/4/23
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP:1127
- Measurement SW: DASY52, Version 52.8 (3); SEMCAD X Version 14.6.5 (6469)

Configuration/Ch23230/Area Scan (41x101x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Maximum value of SAR (interpolated) = 0.604 mW/g

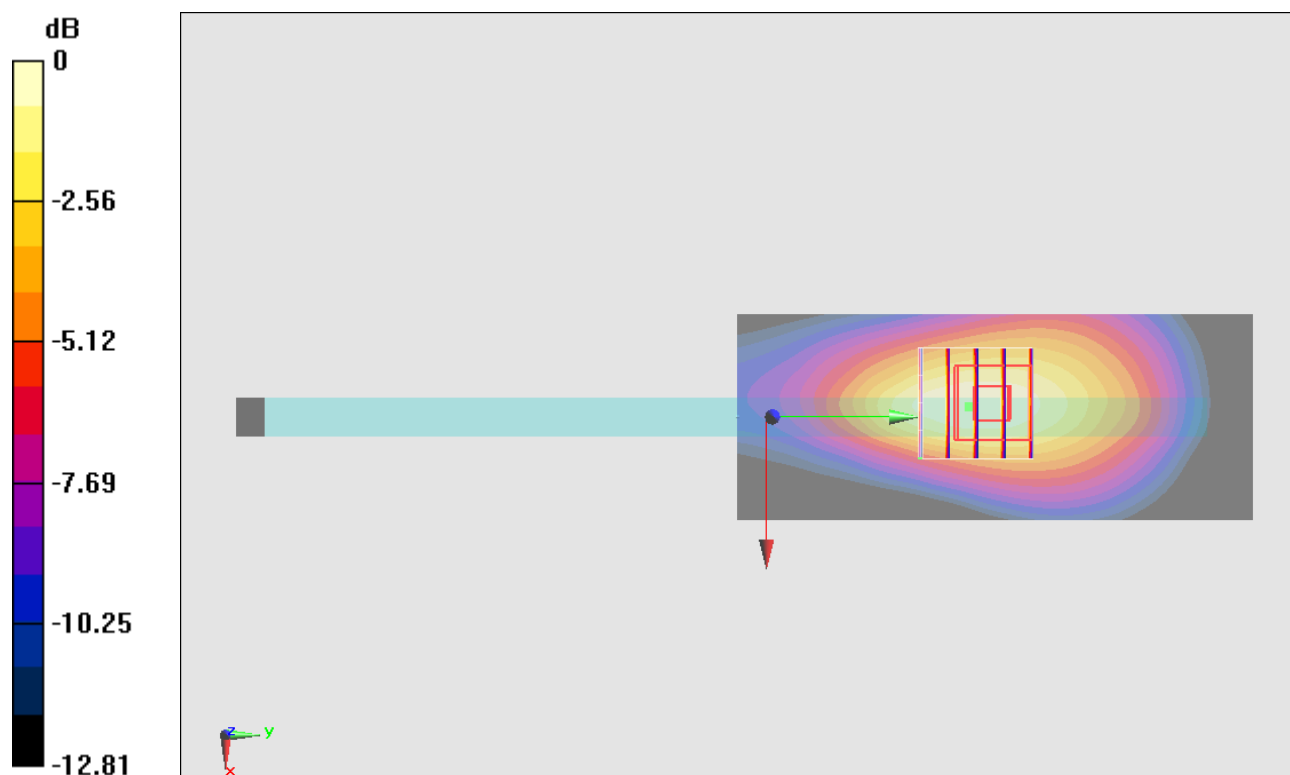
Configuration/Ch23230/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 24.986 V/m ; Power Drift = -0.11 dB

Peak SAR (extrapolated) = 0.840 mW/g

SAR(1 g) = 0.541 mW/g ; SAR(10 g) = 0.337 mW/g

Maximum value of SAR (measured) = 0.585 mW/g



0 dB = 0.585 mW/g = -4.66 dB mW/g

#338_LTE Band 13_10M_QPSK 25RB 0offset_Edge3_0.8cm_Ch23230**DUT: 12-4-138**

Communication System: LTE; Frequency: 782 MHz; Duty Cycle: 1:1

Medium: MSL_750_130116 Medium parameters used: $f = 782$ MHz; $\sigma = 0.996$ mho/m; $\epsilon_r = 54.378$; $\rho =$

1000 kg/m^3

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

DASY5 Configuration:

- Probe: ET3DV6 - SN1787; ConvF(6.2, 6.2, 6.2); Calibrated: 2012/5/29;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn495; Calibrated: 2012/4/23
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP:1127
- Measurement SW: DASY52, Version 52.8 (3); SEMCAD X Version 14.6.5 (6469)

Configuration/Ch23230/Area Scan (41x101x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$
Maximum value of SAR (interpolated) = 0.464 mW/g

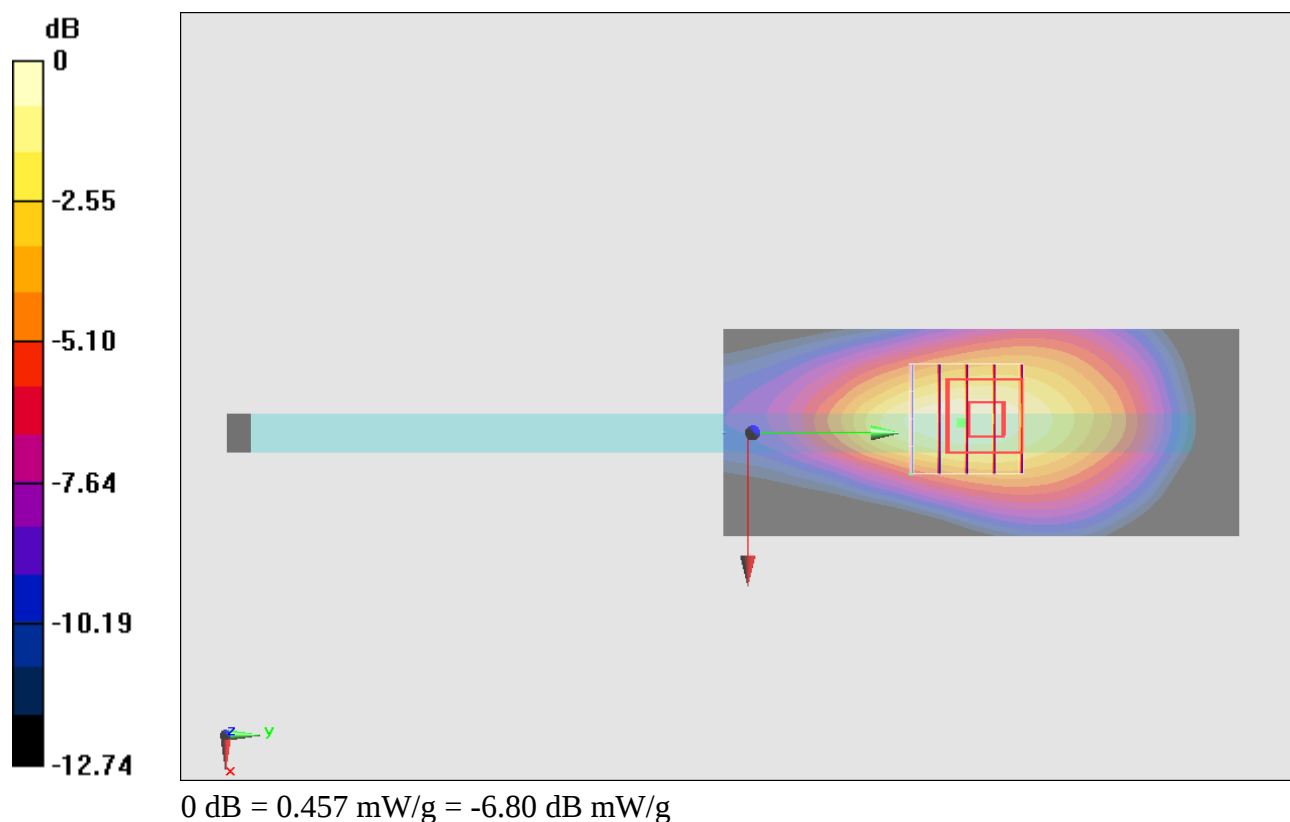
Configuration/Ch23230/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 22.574 V/m ; Power Drift = -0.15 dB

Peak SAR (extrapolated) = 0.661 mW/g

SAR(1 g) = 0.421 mW/g ; SAR(10 g) = 0.265 mW/g

Maximum value of SAR (measured) = 0.457 mW/g



#340_LTE Band 13_10M_QPSK 1RB 0offset_Edge4_0cm_Ch23230**DUT: 12-4-138**

Communication System: LTE; Frequency: 782 MHz; Duty Cycle: 1:1

Medium: MSL_750_130116 Medium parameters used: $f = 782$ MHz; $\sigma = 0.996$ mho/m; $\epsilon_r = 54.378$; $\rho =$

1000 kg/m^3

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

DASY5 Configuration:

- Probe: ET3DV6 - SN1787; ConvF(6.2, 6.2, 6.2); Calibrated: 2012/5/29;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn495; Calibrated: 2012/4/23
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP:1127
- Measurement SW: DASY52, Version 52.8 (3); SEMCAD X Version 14.6.5 (6469)

Configuration/Ch23230/Area Scan (41x131x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$
Maximum value of SAR (interpolated) = 0.129 mW/g

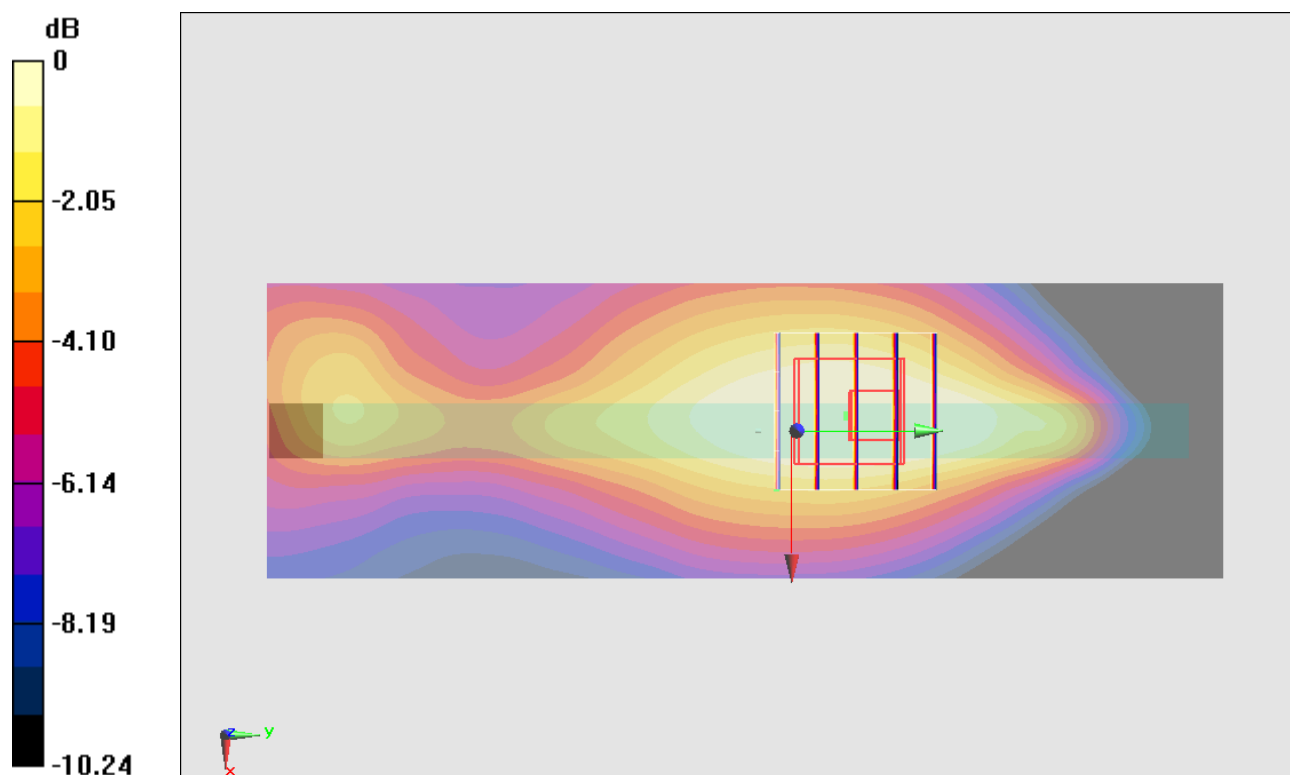
Configuration/Ch23230/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 10.643 V/m ; Power Drift = -0.16 dB

Peak SAR (extrapolated) = 0.151 mW/g

SAR(1 g) = 0.099 mW/g ; SAR(10 g) = 0.067 mW/g

Maximum value of SAR (measured) = 0.106 mW/g



0 dB = 0.106 mW/g = -19.49 dB mW/g

#341_ LTE Band 13_10M_QPSK 25RB 0offset_Edge4_0cm_Ch23230**DUT: 12-4-138**

Communication System: LTE; Frequency: 782 MHz; Duty Cycle: 1:1

Medium: MSL_750_130116 Medium parameters used: $f = 782 \text{ MHz}$; $\sigma = 0.996 \text{ mho/m}$; $\epsilon_r = 54.378$; $\rho =$

1000 kg/m^3

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

DASY5 Configuration:

- Probe: ET3DV6 - SN1787; ConvF(6.2, 6.2, 6.2); Calibrated: 2012/5/29;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn495; Calibrated: 2012/4/23
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP:1127
- Measurement SW: DASY52, Version 52.8 (3); SEMCAD X Version 14.6.5 (6469)

Configuration/Ch23230/Area Scan (41x131x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$
Maximum value of SAR (interpolated) = 0.0862 mW/g

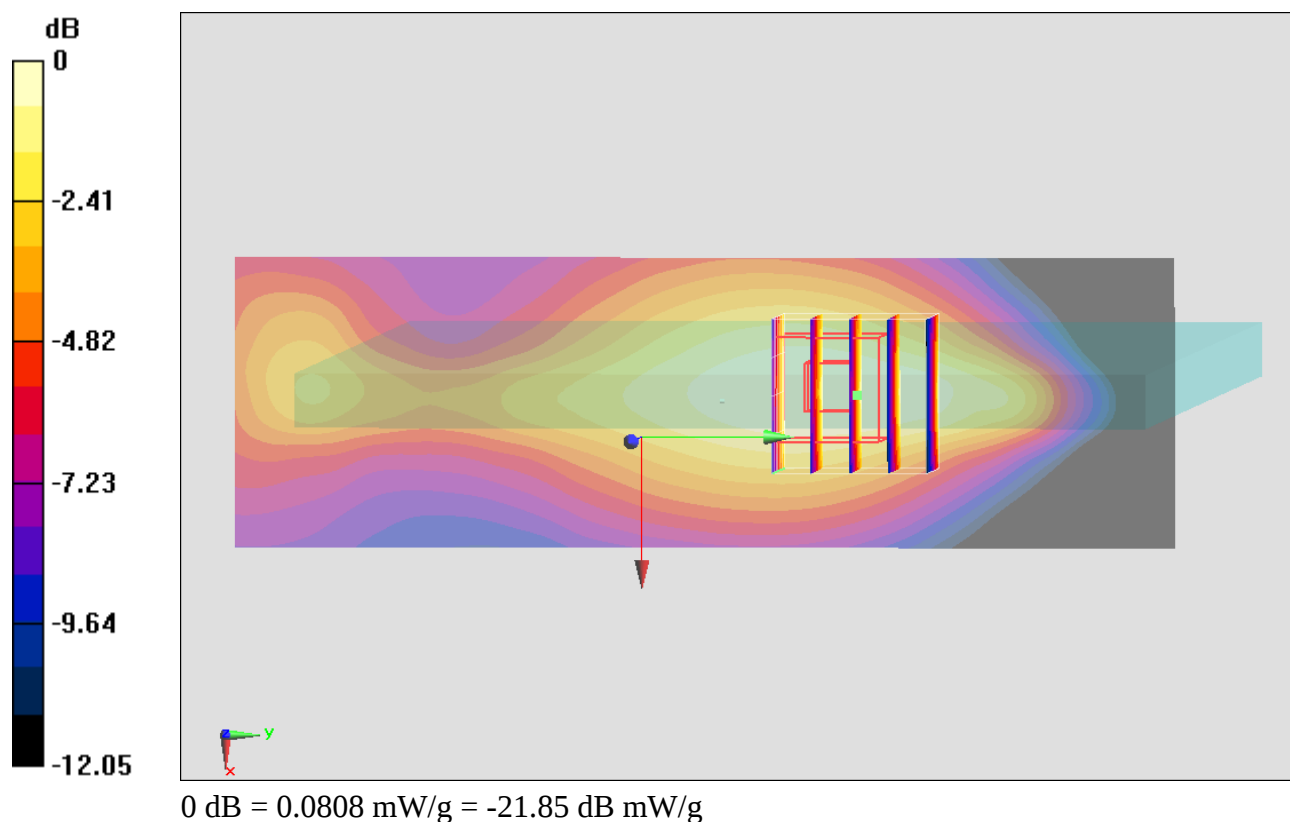
Configuration/Ch23230/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 9.293 V/m ; Power Drift = 0.05 dB

Peak SAR (extrapolated) = 0.115 mW/g

SAR(1 g) = 0.075 mW/g ; SAR(10 g) = 0.049 mW/g

Maximum value of SAR (measured) = 0.0808 mW/g



#332_LTE Band 13_10M_QPSK 1RB 0offset_Bottom Face_0cm_Ch23230**DUT: 12-4-138**

Communication System: LTE; Frequency: 782 MHz; Duty Cycle: 1:1

Medium: MSL_750_130116 Medium parameters used: $f = 782$ MHz; $\sigma = 0.996$ mho/m; $\epsilon_r = 54.378$; $\rho =$

1000 kg/m³

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

DASY5 Configuration:

- Probe: ET3DV6 - SN1787; ConvF(6.2, 6.2, 6.2); Calibrated: 2012/5/29;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn495; Calibrated: 2012/4/23
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP:1127
- Measurement SW: DASY52, Version 52.8 (3); SEMCAD X Version 14.6.5 (6469)

Configuration/Ch23230/Area Scan (61x81x1): Measurement grid: dx=15mm, dy=15mm

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

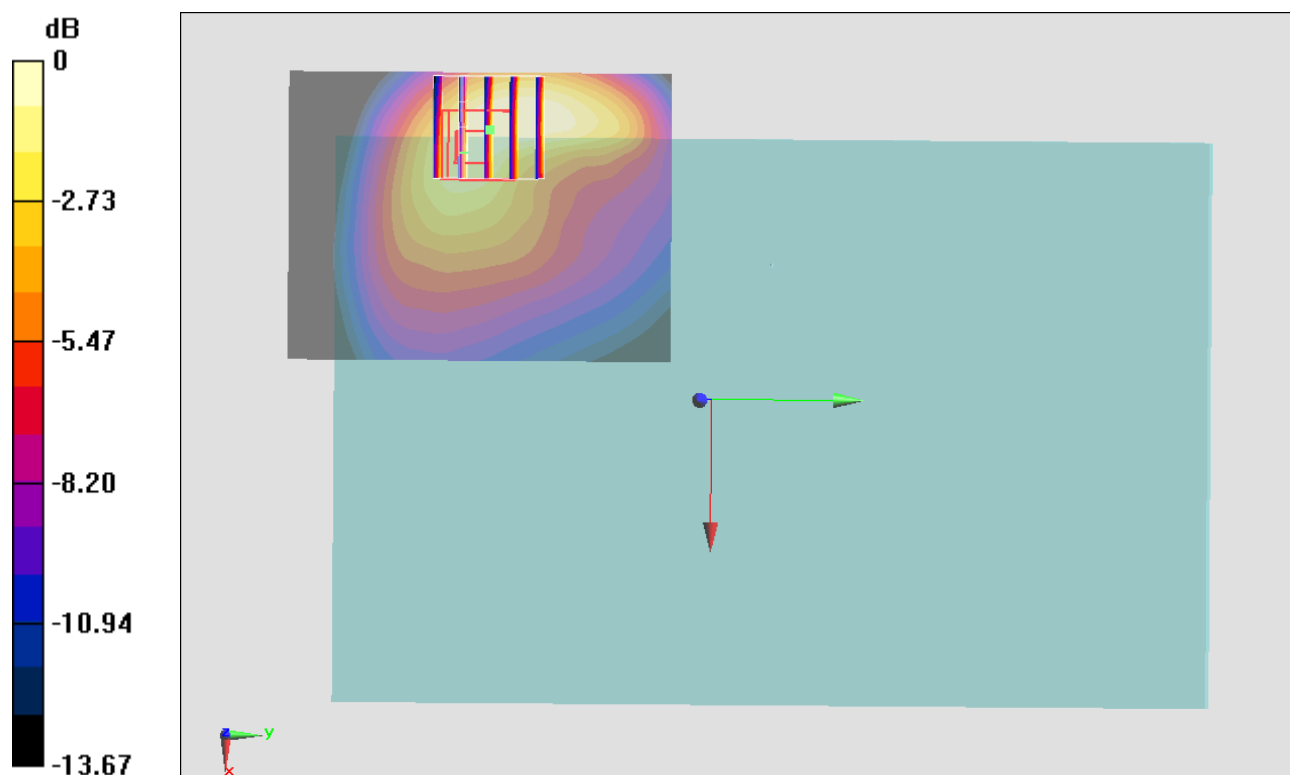
Configuration/Ch23230/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 34.139 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 1.586 mW/g

SAR(1 g) = 0.970 mW/g; SAR(10 g) = 0.584 mW/g

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



#333_LTE Band 13_10M_QPSK 25RB 0offset_Bottom Face_0cm_Ch23230**DUT: 12-4-138**

Communication System: LTE; Frequency: 782 MHz; Duty Cycle: 1:1

Medium: MSL_750_130116 Medium parameters used: $f = 782$ MHz; $\sigma = 0.996$ mho/m; $\epsilon_r = 54.378$; $\rho =$

1000 kg/m³

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

DASY5 Configuration:

- Probe: ET3DV6 - SN1787; ConvF(6.2, 6.2, 6.2); Calibrated: 2012/5/29;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn495; Calibrated: 2012/4/23
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP:1127
- Measurement SW: DASY52, Version 52.8 (3); SEMCAD X Version 14.6.5 (6469)

Configuration/Ch23230/Area Scan (61x81x1): Measurement grid: dx=15mm, dy=15mm

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

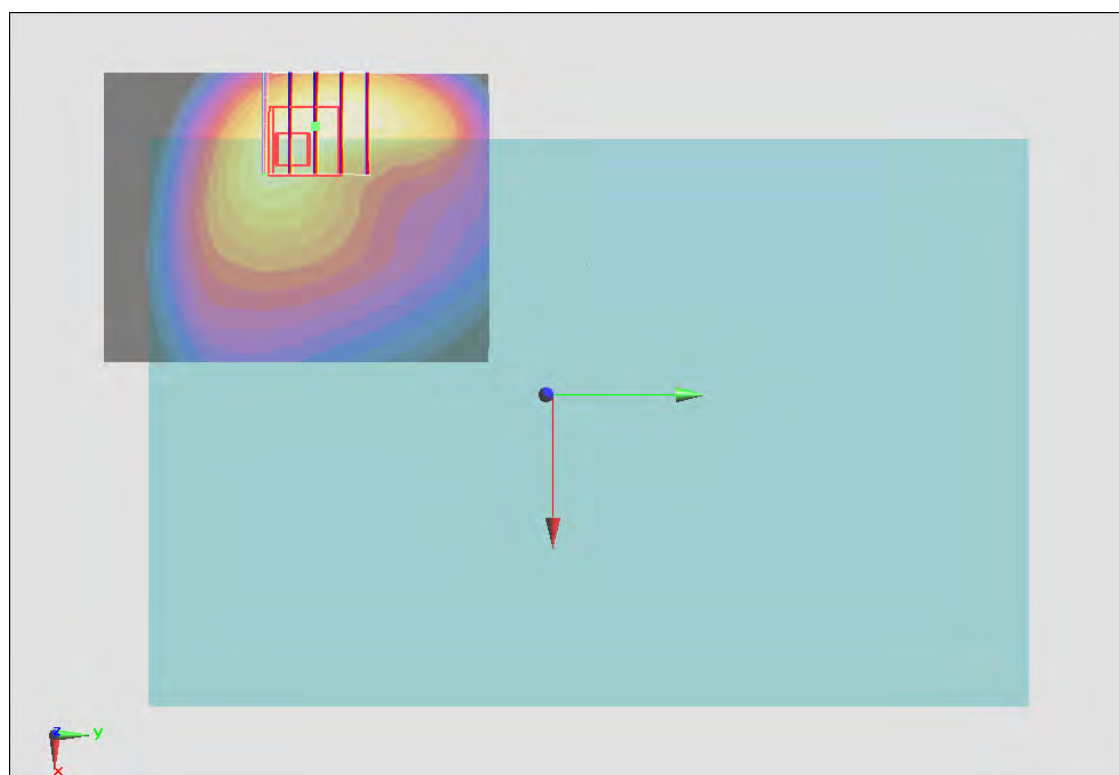
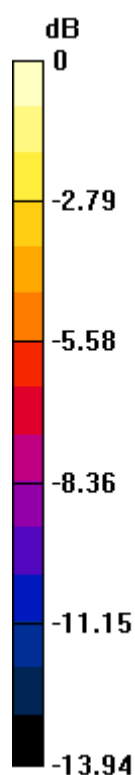
Configuration/Ch23230/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 34.014 V/m; Power Drift = -0.16 dB

Peak SAR (extrapolated) = 1.699 mW/g

SAR(1 g) = 1.01 mW/g; SAR(10 g) = 0.604 mW/g

Maximum value of SAR (measured) = 1.12 mW/g



0 dB = 1.12 mW/g = 0.98 dB mW/g

#344_ LTE Band 13_10M_QPSK 25RB 0offset_Bottom Face_0cm_Ch23230_Repeat**DUT: 12-4-138**

Communication System: LTE; Frequency: 782 MHz; Duty Cycle: 1:1

Medium: MSL_750_130116 Medium parameters used: $f = 782$ MHz; $\sigma = 0.996$ mho/m; $\epsilon_r = 54.378$; $\rho =$

1000 kg/m^3

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

DASY5 Configuration:

- Probe: ET3DV6 - SN1787; ConvF(6.2, 6.2, 6.2); Calibrated: 2012/5/29;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn495; Calibrated: 2012/4/23
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP:1127
- Measurement SW: DASY52, Version 52.8 (3); SEMCAD X Version 14.6.5 (6469)

Configuration/Ch23230/Area Scan (61x81x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$
Maximum value of SAR (interpolated) = 1.34 mW/g

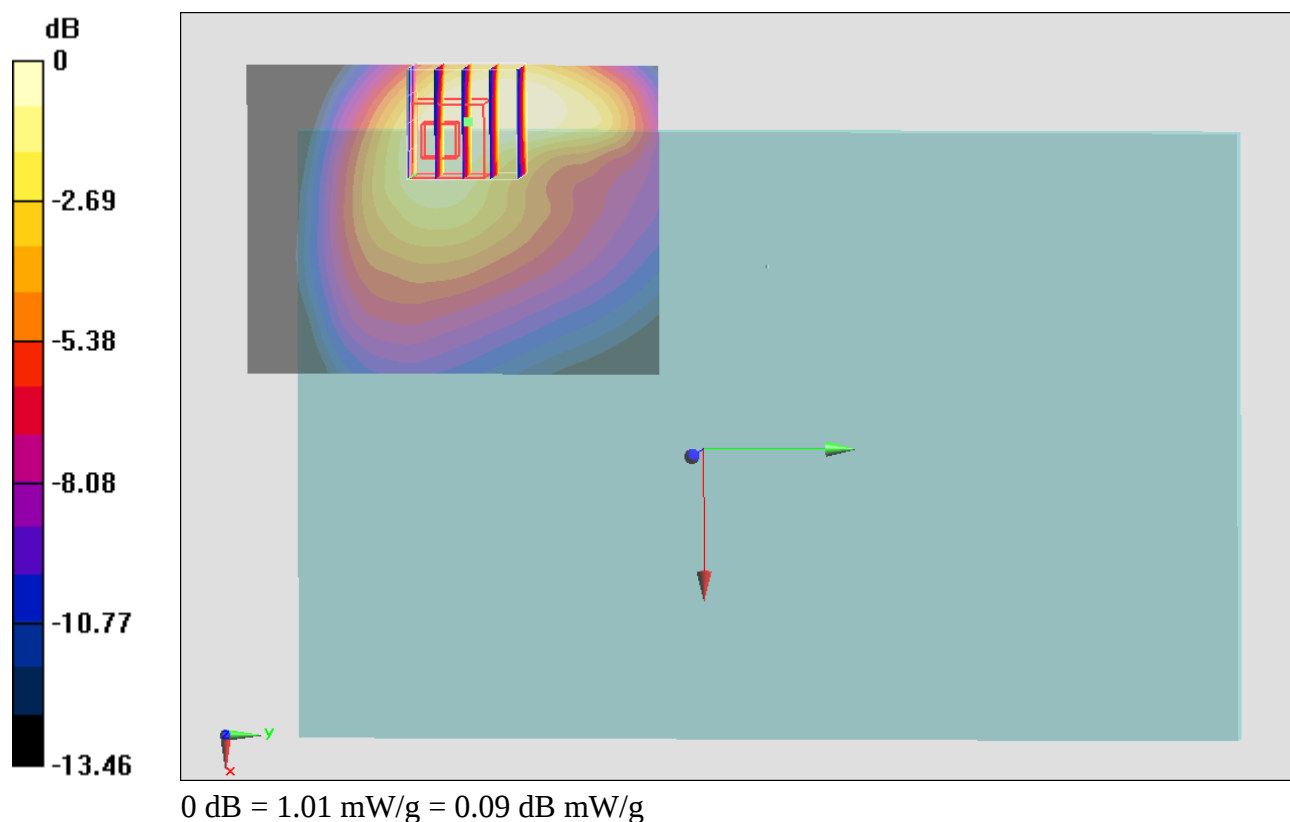
Configuration/Ch23230/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 34.952 V/m ; Power Drift = -0.164 dB

Peak SAR (extrapolated) = 1.620 mW/g

SAR(1 g) = 0.930 mW/g ; SAR(10 g) = 0.556 mW/g

Maximum value of SAR (measured) = 1.01 mW/g



#331_LTE Band 13_10M_QPSK 50RB 0offset_Bottom Face_0cm_Ch23230**DUT: 12-4-138**

Communication System: LTE; Frequency: 782 MHz; Duty Cycle: 1:1

Medium: MSL_750_130116 Medium parameters used: $f = 782$ MHz; $\sigma = 0.996$ mho/m; $\epsilon_r = 54.378$; $\rho =$

1000 kg/m^3

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

DASY5 Configuration:

- Probe: ET3DV6 - SN1787; ConvF(6.2, 6.2, 6.2); Calibrated: 2012/5/29;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn495; Calibrated: 2012/4/23
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP:1127
- Measurement SW: DASY52, Version 52.8 (3); SEMCAD X Version 14.6.5 (6469)

Configuration/Ch23230/Area Scan (61x81x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$
Maximum value of SAR (interpolated) = 1.13 mW/g

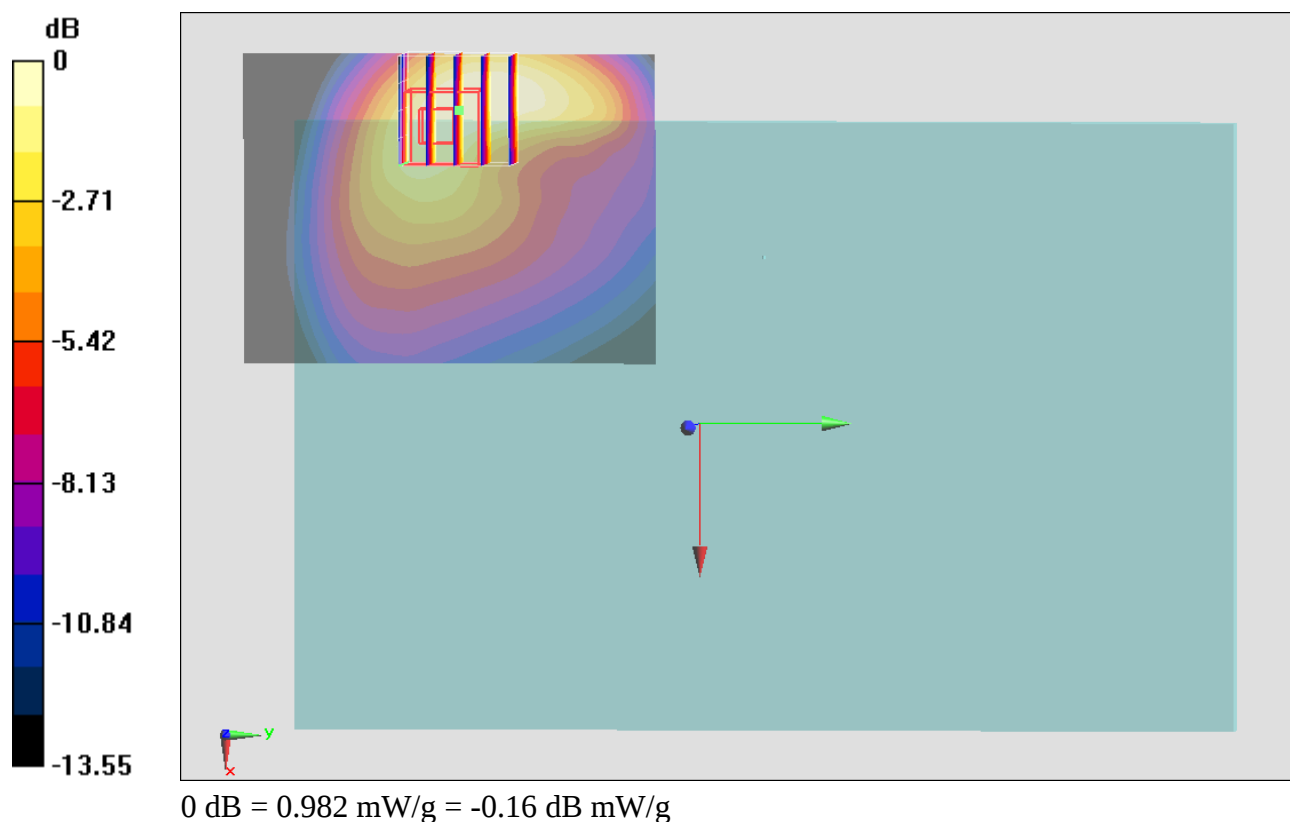
Configuration/Ch23230/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 32.855 V/m ; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 1.569 mW/g

SAR(1 g) = 0.908 mW/g ; SAR(10 g) = 0.542 mW/g

Maximum value of SAR (measured) = 0.982 mW/g



#334_LTE Band 13_10M_QPSK 1RB 0offset_Edge3_0cm_Ch23230**DUT: 12-4-138**

Communication System: LTE; Frequency: 782 MHz; Duty Cycle: 1:1

Medium: MSL_750_130116 Medium parameters used: $f = 782$ MHz; $\sigma = 0.996$ mho/m; $\epsilon_r = 54.378$; $\rho =$

1000 kg/m³

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

DASY5 Configuration:

- Probe: ET3DV6 - SN1787; ConvF(6.2, 6.2, 6.2); Calibrated: 2012/5/29;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn495; Calibrated: 2012/4/23
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP:1127
- Measurement SW: DASY52, Version 52.8 (3); SEMCAD X Version 14.6.5 (6469)

Configuration/Ch23230/Area Scan (41x101x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.666 mW/g

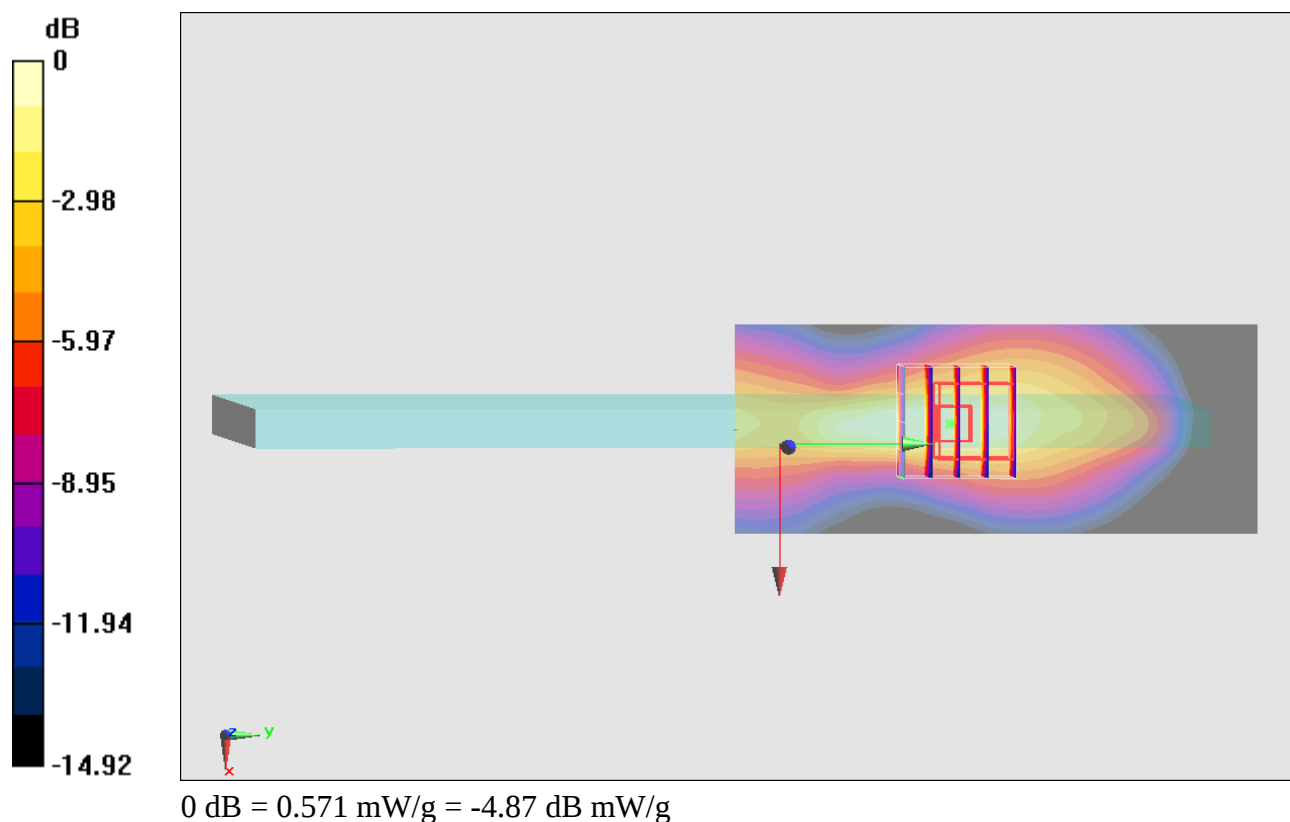
Configuration/Ch23230/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 25.387 V/m; Power Drift = -0.16 dB

Peak SAR (extrapolated) = 1.067 mW/g

SAR(1 g) = 0.503 mW/g; SAR(10 g) = 0.274 mW/g

Maximum value of SAR (measured) = 0.571 mW/g



#335_ LTE Band 13_10M_QPSK 25RB 24offset_Edge3_0cm_Ch23230**DUT: 12-4-138**

Communication System: LTE; Frequency: 782 MHz; Duty Cycle: 1:1

Medium: MSL_750_130116 Medium parameters used: $f = 782$ MHz; $\sigma = 0.996$ mho/m; $\epsilon_r = 54.378$; $\rho =$

1000 kg/m^3

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

DASY5 Configuration:

- Probe: ET3DV6 - SN1787; ConvF(6.2, 6.2, 6.2); Calibrated: 2012/5/29;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn495; Calibrated: 2012/4/23
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP:1127
- Measurement SW: DASY52, Version 52.8 (3); SEMCAD X Version 14.6.5 (6469)

Configuration/Ch23230/Area Scan (41x101x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Maximum value of SAR (interpolated) = 0.603 mW/g

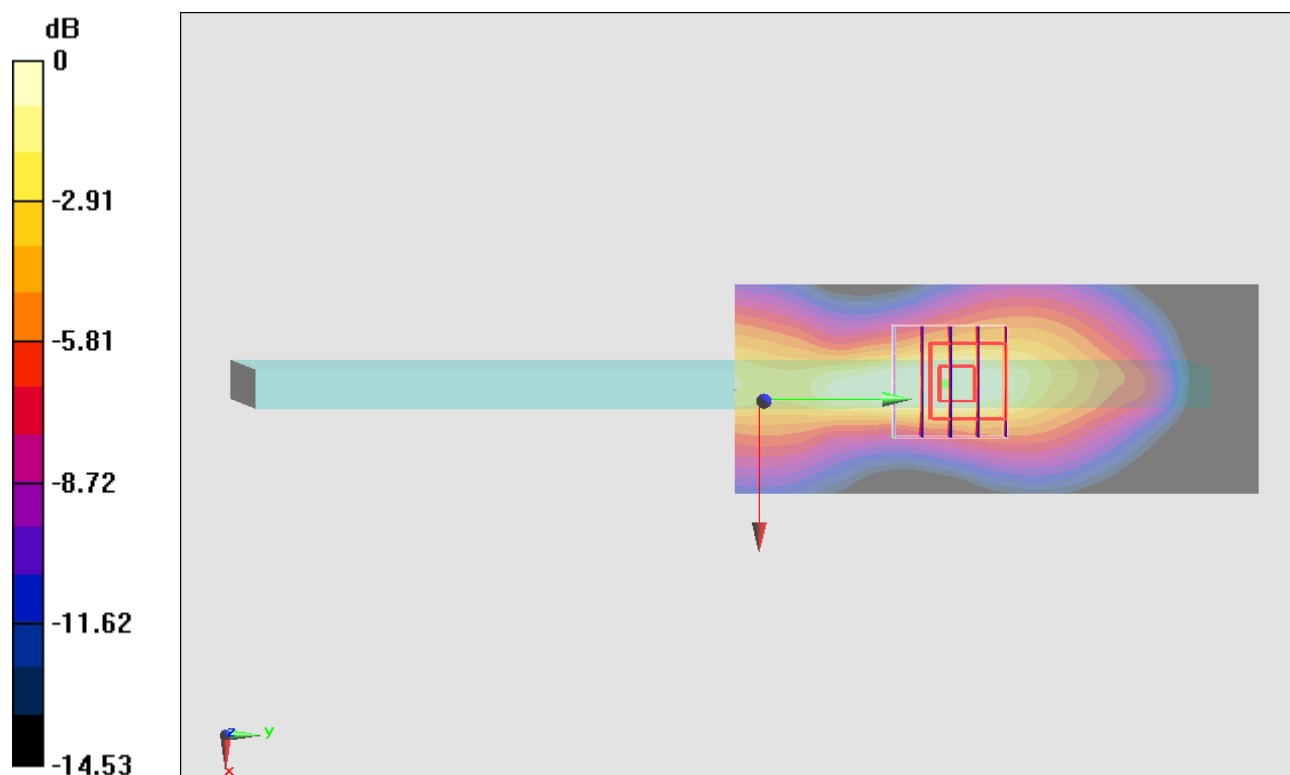
Configuration/Ch23230/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 23.191 V/m ; Power Drift = -0.06 dB

Peak SAR (extrapolated) = 0.934 mW/g

SAR(1 g) = 0.441 mW/g ; SAR(10 g) = 0.232 mW/g

Maximum value of SAR (measured) = 0.486 mW/g



0 dB = 0.486 mW/g = -6.27 dB mW/g

#328_ LTE Band 13_10M_QPSK 1RB 0offset_Bottom Face_0cm_Ch23230;Curve**DUT: 12-4-138**

Communication System: LTE; Frequency: 782 MHz; Duty Cycle: 1:1

Medium: MSL_750_130116 Medium parameters used: $f = 782$ MHz; $\sigma = 0.996$ mho/m; $\epsilon_r = 54.378$; $\rho =$

1000 kg/m^3

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

DASY5 Configuration:

- Probe: ET3DV6 - SN1787; ConvF(6.2, 6.2, 6.2); Calibrated: 2012/5/29;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn495; Calibrated: 2012/4/23
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP:1127
- Measurement SW: DASY52, Version 52.8 (3); SEMCAD X Version 14.6.5 (6469)

Configuration/Ch23230/Area Scan (61x81x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$
Maximum value of SAR (interpolated) = 1.07 mW/g

Configuration/Ch23230/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 33.059 V/m ; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 1.719 mW/g

SAR(1 g) = 0.956 mW/g ; SAR(10 g) = 0.529 mW/g

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



#329_LTE Band 13_10M_QPSK 25RB 0offset_Bottom Face_0cm_Ch23230;Curve**DUT: 12-4-138**

Communication System: LTE; Frequency: 782 MHz; Duty Cycle: 1:1

Medium: MSL_750_130116 Medium parameters used: $f = 782$ MHz; $\sigma = 0.996$ mho/m; $\epsilon_r = 54.378$; $\rho =$

1000 kg/m^3

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

DASY5 Configuration:

- Probe: ET3DV6 - SN1787; ConvF(6.2, 6.2, 6.2); Calibrated: 2012/5/29;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn495; Calibrated: 2012/4/23
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP:1127
- Measurement SW: DASY52, Version 52.8 (3); SEMCAD X Version 14.6.5 (6469)

Configuration/Ch23230/Area Scan (61x81x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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

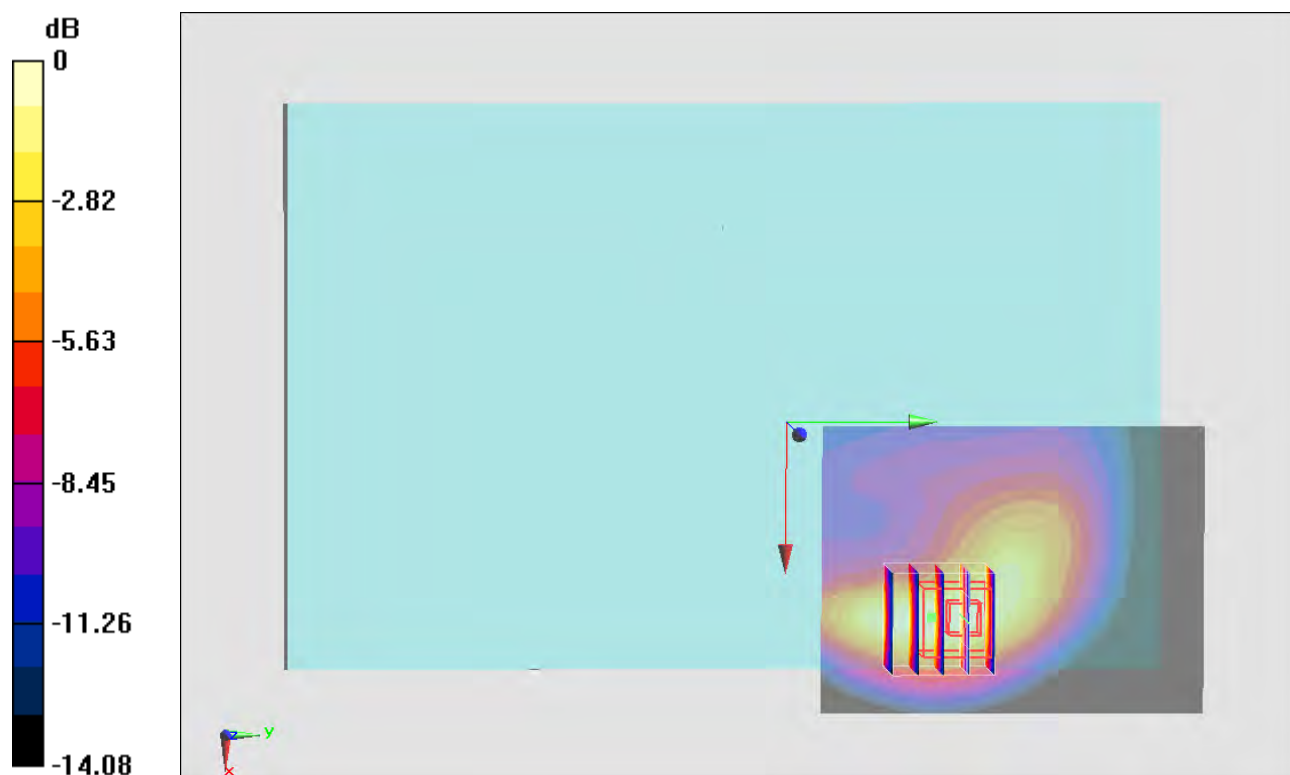
Configuration/Ch23230/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 33.164 V/m ; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 1.683 mW/g

SAR(1 g) = 0.948 mW/g ; SAR(10 g) = 0.518 mW/g

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



#330_LTE Band 13_10M_QPSK 50RB 0offset_Bottom Face_0cm_Ch23230;Curve**DUT: 12-4-138**

Communication System: LTE; Frequency: 782 MHz; Duty Cycle: 1:1

Medium: MSL_750_130116 Medium parameters used: $f = 782$ MHz; $\sigma = 0.996$ mho/m; $\epsilon_r = 54.378$; $\rho =$

1000 kg/m^3

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

DASY5 Configuration:

- Probe: ET3DV6 - SN1787; ConvF(6.2, 6.2, 6.2); Calibrated: 2012/5/29;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn495; Calibrated: 2012/4/23
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP:1127
- Measurement SW: DASY52, Version 52.8 (3); SEMCAD X Version 14.6.5 (6469)

Configuration/Ch23230/Area Scan (61x81x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$
Maximum value of SAR (interpolated) = 1.09 mW/g

Configuration/Ch23230/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 33.126 V/m ; Power Drift = 0.18 dB

Peak SAR (extrapolated) = 1.699 mW/g

SAR(1 g) = 0.952 mW/g ; SAR(10 g) = 0.522 mW/g

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



#321_LTE Band 17_10M_QPSK 1RB 0offset_Bottom Face_1cm_Ch23800**DUT: 12-4-138**

Communication System: LTE; Frequency: 711 MHz; Duty Cycle: 1:1

Medium: MSL_750_130116 Medium parameters used: $f = 711$ MHz; $\sigma = 0.928$ mho/m; $\epsilon_r = 55.126$; $\rho =$

1000 kg/m^3

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

DASY5 Configuration:

- Probe: ET3DV6 - SN1787; ConvF(6.2, 6.2, 6.2); Calibrated: 2012/5/29;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn495; Calibrated: 2012/4/23
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP:1127
- Measurement SW: DASY52, Version 52.8 (3); SEMCAD X Version 14.6.5 (6469)

Configuration/Ch23800/Area Scan (61x81x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Maximum value of SAR (interpolated) = 0.268 mW/g

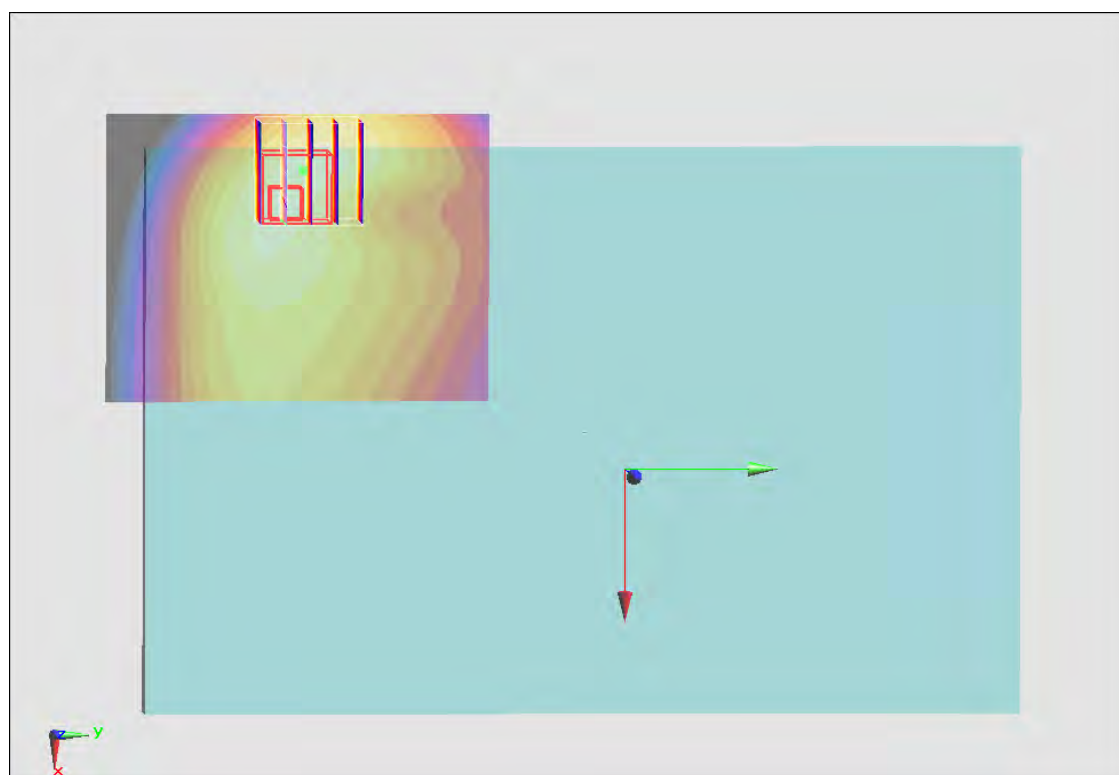
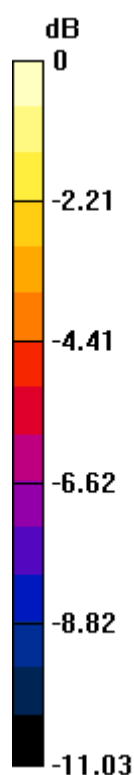
Configuration/Ch23800/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 17.578 V/m ; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 0.378 mW/g

SAR(1 g) = 0.265 mW/g ; SAR(10 g) = 0.176 mW/g

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



0 dB = 0.279 mW/g = -11.09 dB mW/g

#322_LTE Band 17_10M_QPSK 25RB 12offset_Bottom Face_1cm_Ch23790**DUT: 12-4-138**

Communication System: LTE; Frequency: 710 MHz; Duty Cycle: 1:1

Medium: MSL_750_130116 Medium parameters used: $f = 710$ MHz; $\sigma = 0.927$ mho/m; $\epsilon_r = 55.135$; $\rho =$

1000 kg/m^3

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

DASY5 Configuration:

- Probe: ET3DV6 - SN1787; ConvF(6.2, 6.2, 6.2); Calibrated: 2012/5/29;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn495; Calibrated: 2012/4/23
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP:1127
- Measurement SW: DASY52, Version 52.8 (3); SEMCAD X Version 14.6.5 (6469)

Configuration/Ch23790/Area Scan (61x81x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Maximum value of SAR (interpolated) = 0.218 mW/g

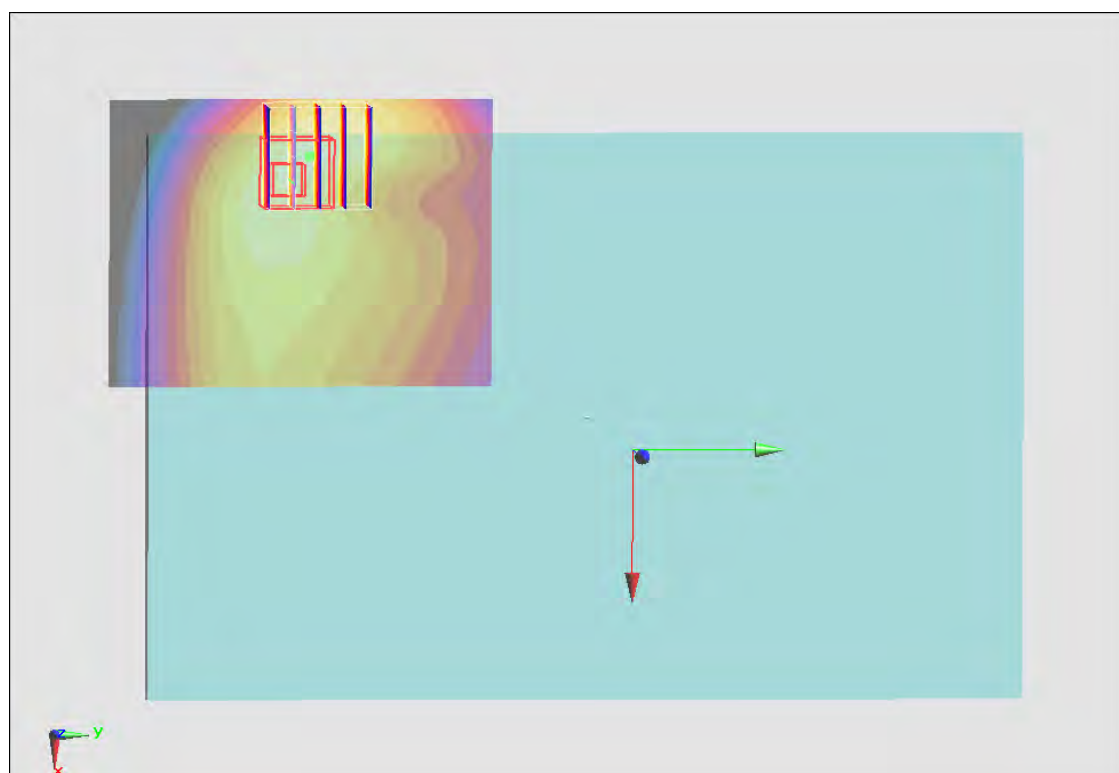
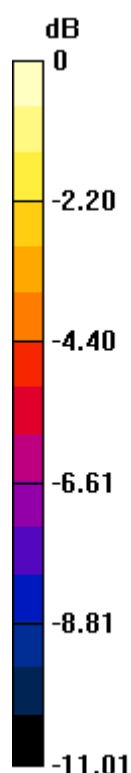
Configuration/Ch23790/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 15.817 V/m ; Power Drift = 0.15 dB

Peak SAR (extrapolated) = 0.321 mW/g

SAR(1 g) = 0.217 mW/g ; SAR(10 g) = 0.146 mW/g

Maximum value of SAR (measured) = 0.237 mW/g



0 dB = 0.237 mW/g = -12.51 dB mW/g

#323_LTE Band 17_10M_QPSK 1RB 0offset_Edge3_0.8cm_Ch23800**DUT: 12-4-138**

Communication System: LTE; Frequency: 711 MHz; Duty Cycle: 1:1

Medium: MSL_750_130116 Medium parameters used: $f = 711$ MHz; $\sigma = 0.928$ mho/m; $\epsilon_r = 55.126$; $\rho =$

1000 kg/m^3

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

DASY5 Configuration:

- Probe: ET3DV6 - SN1787; ConvF(6.2, 6.2, 6.2); Calibrated: 2012/5/29;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn495; Calibrated: 2012/4/23
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP:1127
- Measurement SW: DASY52, Version 52.8 (3); SEMCAD X Version 14.6.5 (6469)

Configuration/Ch23800/Area Scan (41x101x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$
Maximum value of SAR (interpolated) = 0.176 mW/g

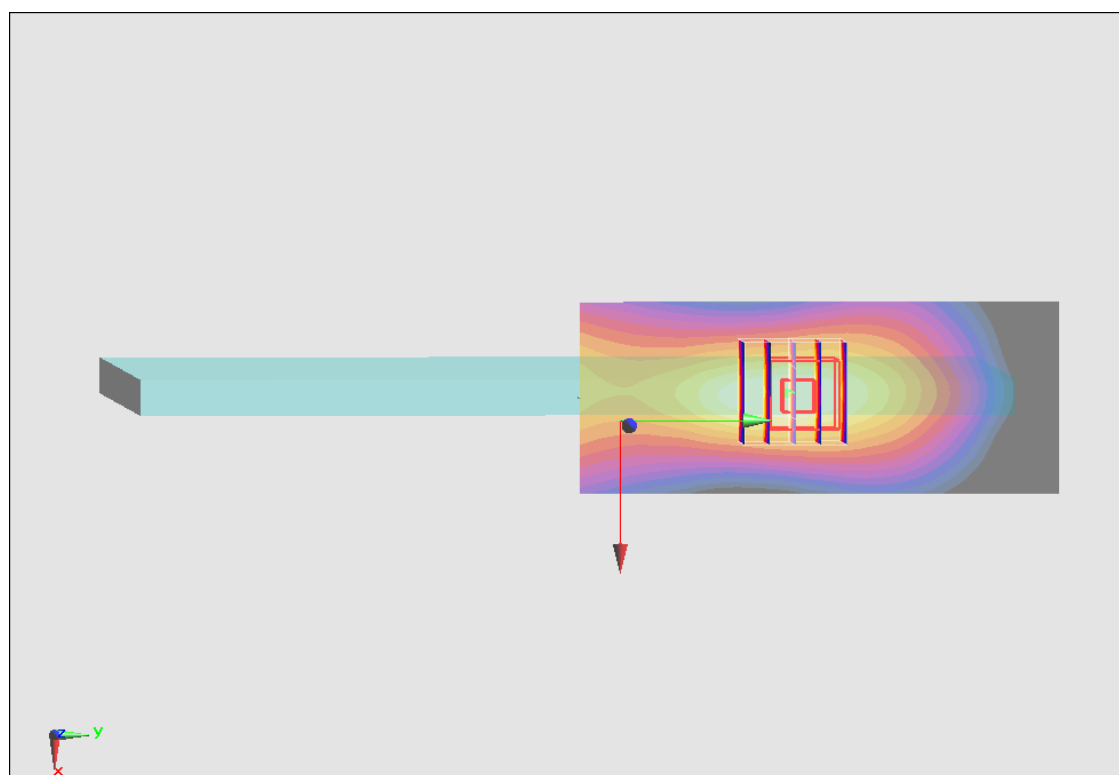
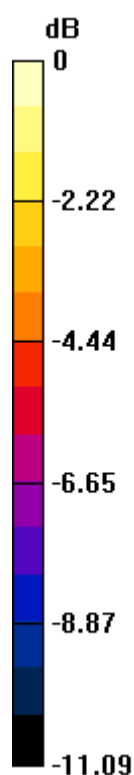
Configuration/Ch23800/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 13.992 V/m ; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 0.237 mW/g

SAR(1 g) = 0.154 mW/g ; SAR(10 g) = 0.097 mW/g

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



0 dB = 0.167 mW/g = -15.55 dB mW/g

#324_LTE Band 17_10M_QPSK 25RB 12offset_Edge3_0.8cm_Ch23790**DUT: 12-4-138**

Communication System: LTE; Frequency: 710 MHz; Duty Cycle: 1:1

Medium: MSL_750_130116 Medium parameters used: $f = 710$ MHz; $\sigma = 0.927$ mho/m; $\epsilon_r = 55.135$; $\rho =$

1000 kg/m^3

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

DASY5 Configuration:

- Probe: ET3DV6 - SN1787; ConvF(6.2, 6.2, 6.2); Calibrated: 2012/5/29;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn495; Calibrated: 2012/4/23
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP:1127
- Measurement SW: DASY52, Version 52.8 (3); SEMCAD X Version 14.6.5 (6469)

Configuration/Ch23790/Area Scan (41x101x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$
Maximum value of SAR (interpolated) = 0.145 mW/g

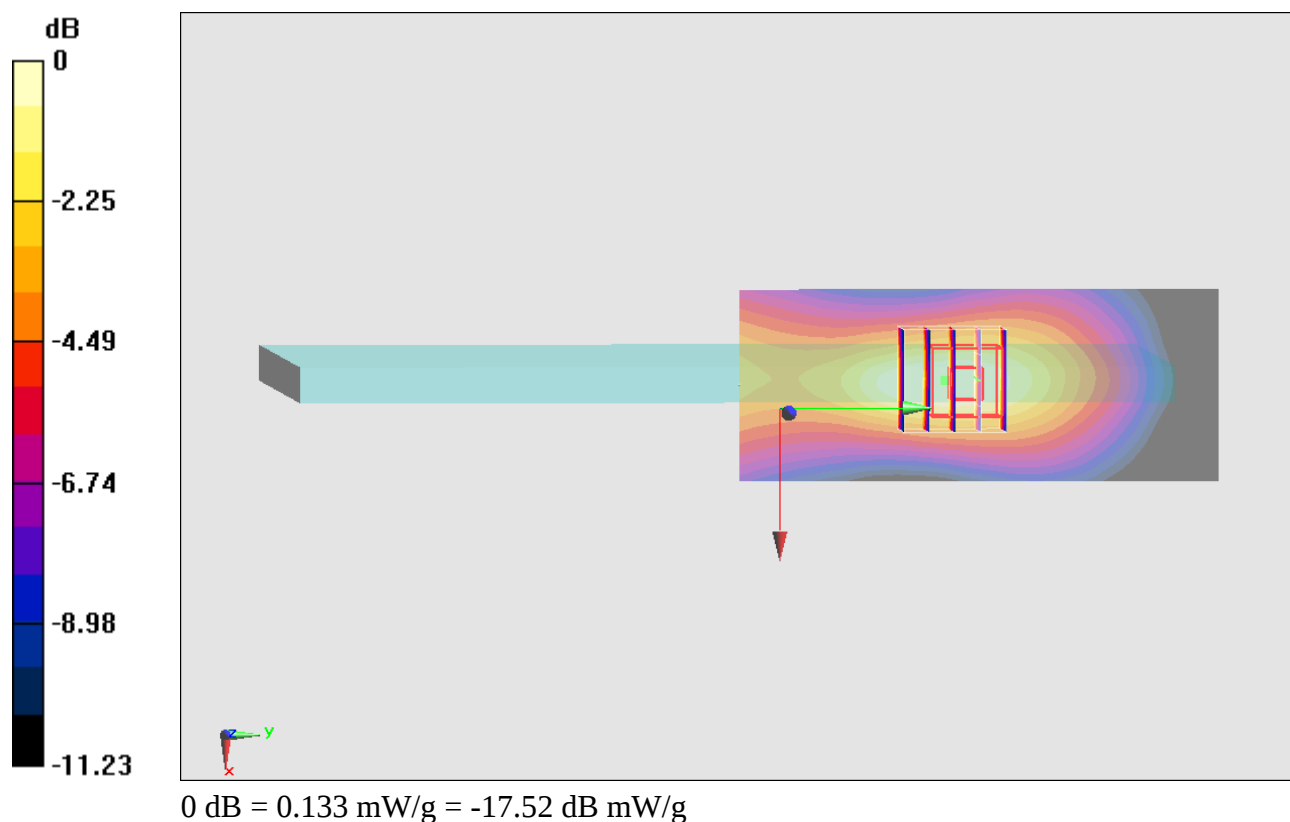
Configuration/Ch23790/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 12.539 V/m ; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 0.195 mW/g

SAR(1 g) = 0.125 mW/g ; SAR(10 g) = 0.079 mW/g

Maximum value of SAR (measured) = 0.133 mW/g



#325_ LTE Band 17_10M_QPSK 1RB 0offset_Edge4_0cm_Ch23800**DUT: 12-4-138**

Communication System: LTE; Frequency: 711 MHz; Duty Cycle: 1:1

Medium: MSL_750_130116 Medium parameters used: $f = 711$ MHz; $\sigma = 0.928$ mho/m; $\epsilon_r = 55.126$; $\rho =$

1000 kg/m^3

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

DASY5 Configuration:

- Probe: ET3DV6 - SN1787; ConvF(6.2, 6.2, 6.2); Calibrated: 2012/5/29;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn495; Calibrated: 2012/4/23
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP:1127
- Measurement SW: DASY52, Version 52.8 (3); SEMCAD X Version 14.6.5 (6469)

Configuration/Ch23800/Area Scan (41x131x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Maximum value of SAR (interpolated) = 0.171 mW/g

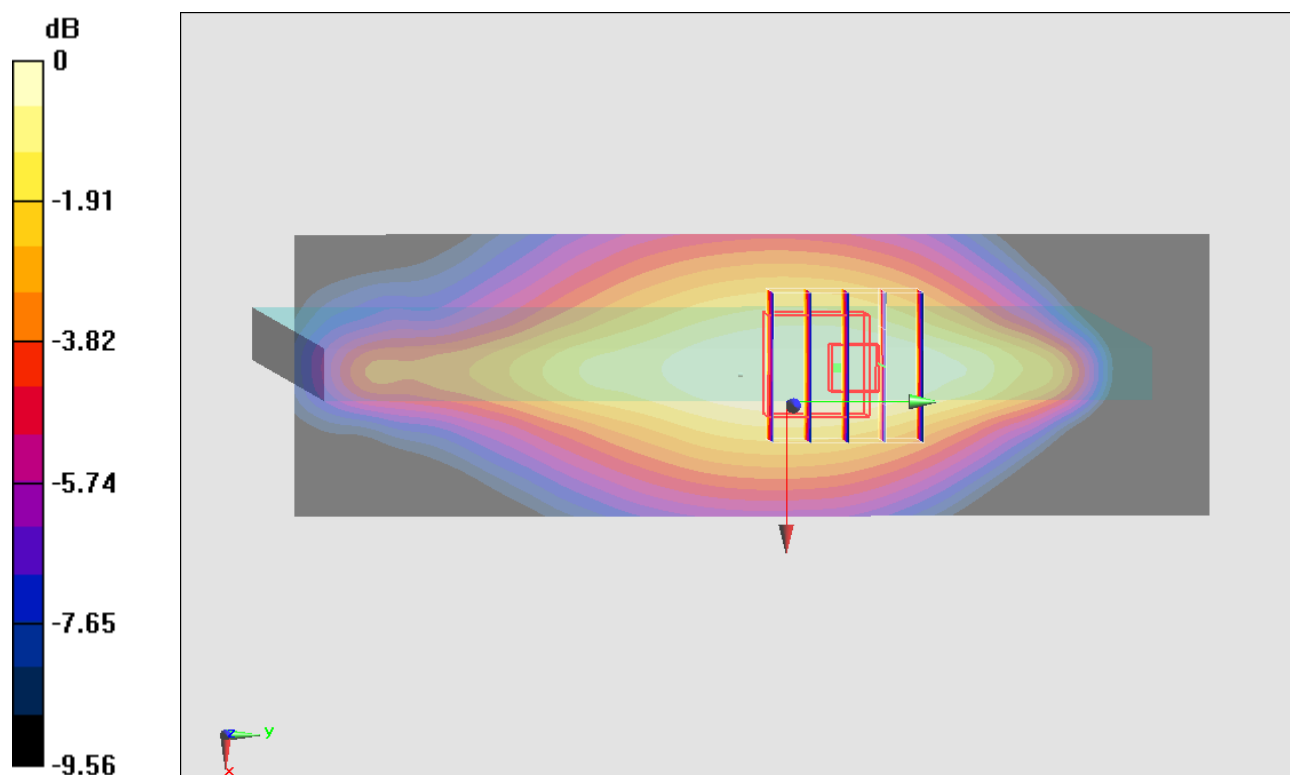
Configuration/Ch23800/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 13.284 V/m ; Power Drift = -0.09 dB

Peak SAR (extrapolated) = 0.227 mW/g

SAR(1 g) = 0.143 mW/g ; SAR(10 g) = 0.101 mW/g

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



0 dB = 0.153 mW/g = -16.31 dB mW/g

#326_LTE Band 17_10M_QPSK 25RB 12offset_Edge4_0cm_Ch23790**DUT: 12-4-138**

Communication System: LTE; Frequency: 710 MHz; Duty Cycle: 1:1

Medium: MSL_750_130116 Medium parameters used: $f = 710$ MHz; $\sigma = 0.927$ mho/m; $\epsilon_r = 55.135$; $\rho = 1000$ kg/m³

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

DASY5 Configuration:

- Probe: ET3DV6 - SN1787; ConvF(6.2, 6.2, 6.2); Calibrated: 2012/5/29;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn495; Calibrated: 2012/4/23
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP:1127
- Measurement SW: DASY52, Version 52.8 (3); SEMCAD X Version 14.6.5 (6469)

Configuration/Ch23790/Area Scan (41x131x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.133 mW/g

Configuration/Ch23790/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 11.582 V/m; Power Drift = -0.00 dB

Peak SAR (extrapolated) = 0.169 mW/g

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

Maximum value of SAR (measured) = 0.118 mW/g

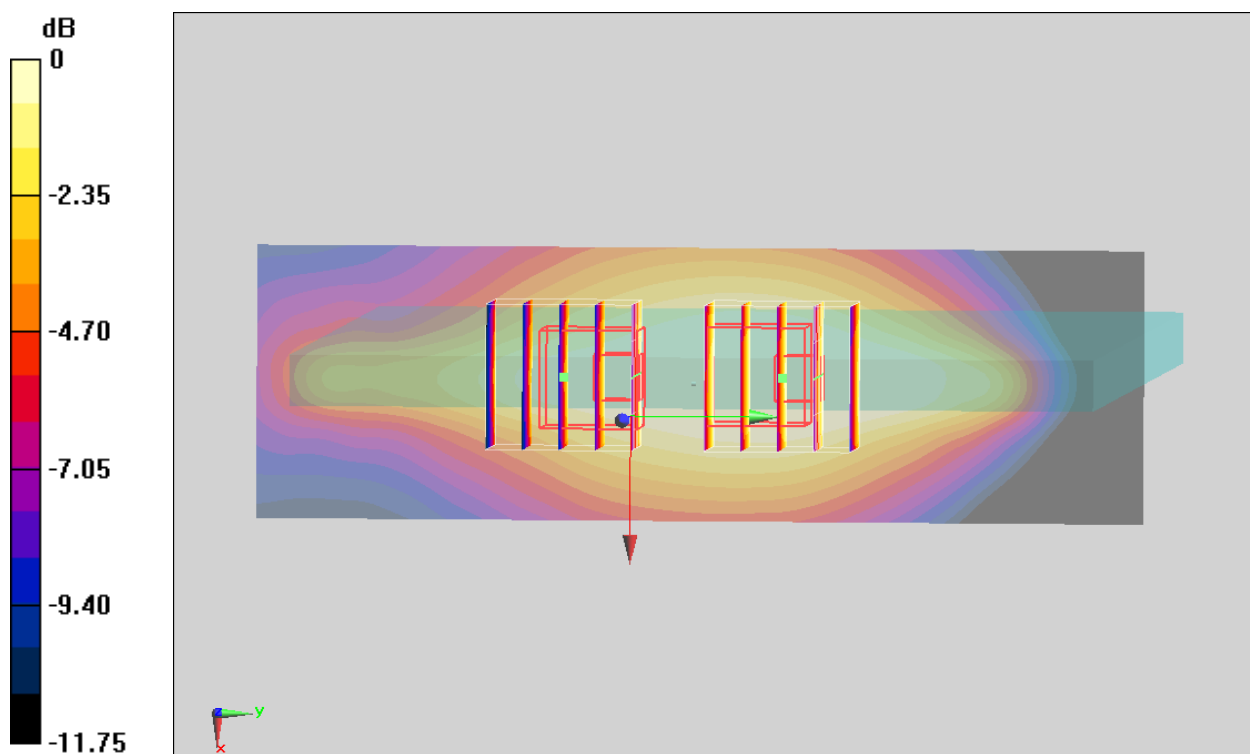
Configuration/Ch23790/Zoom Scan (5x5x7)/Cube 1: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 11.582 V/m; Power Drift = -0.00 dB

Peak SAR (extrapolated) = 0.126 mW/g

SAR(1 g) = 0.088 mW/g; SAR(10 g) = 0.058 mW/g

Maximum value of SAR (measured) = 0.0994 mW/g



0 dB = 0.0994 mW/g = -20.05 dB mW/g

#314_LTE Band 17_10M_QPSK 1RB 24offset_Bottom Face_0cm_Ch23780**DUT: 12-4-138**

Communication System: LTE; Frequency: 709 MHz; Duty Cycle: 1:1

Medium: MSL_750_130116 Medium parameters used: $f = 709$ MHz; $\sigma = 0.926$ mho/m; $\epsilon_r = 55.148$; $\rho =$

1000 kg/m^3

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

DASY5 Configuration:

- Probe: ET3DV6 - SN1787; ConvF(6.2, 6.2, 6.2); Calibrated: 2012/5/29;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn495; Calibrated: 2012/4/23
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP:1127
- Measurement SW: DASY52, Version 52.8 (3); SEMCAD X Version 14.6.5 (6469)

Configuration/Ch23780/Area Scan (61x81x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$
Maximum value of SAR (interpolated) = 1.06 mW/g

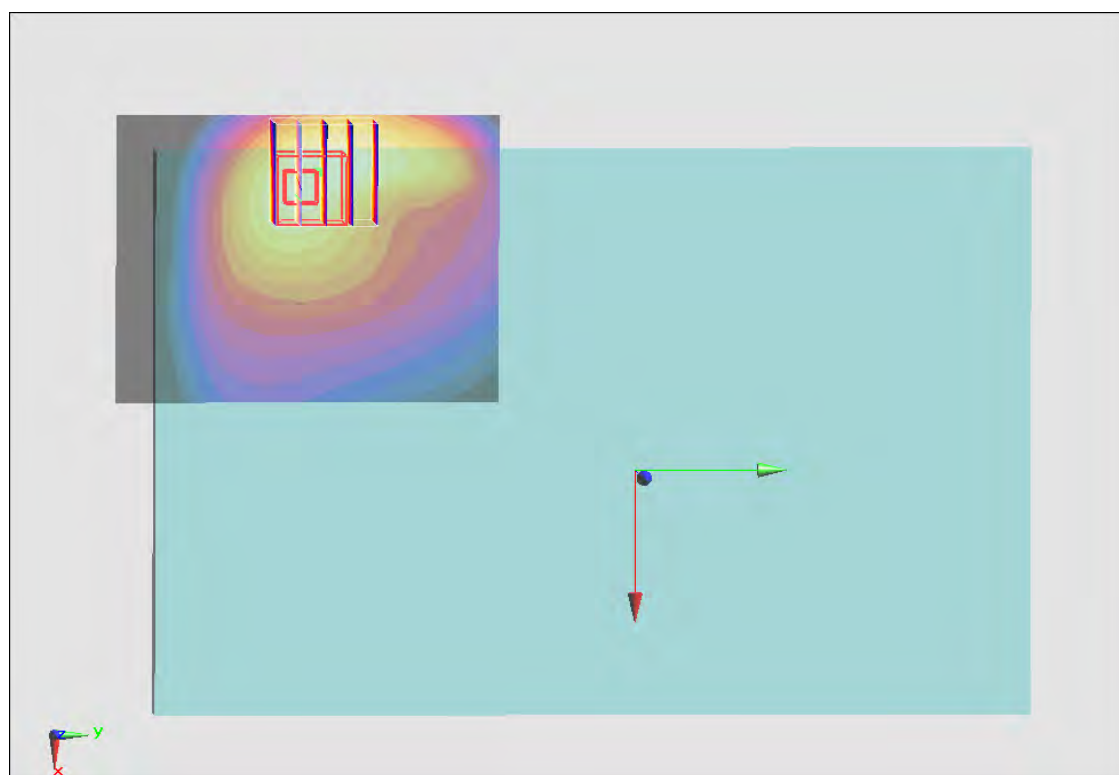
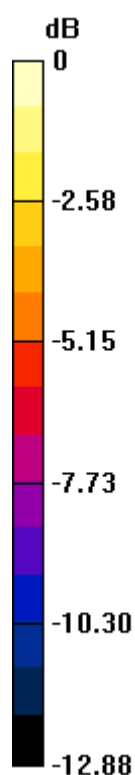
Configuration/Ch23780/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 33.477 V/m ; Power Drift = -0.08 dB

Peak SAR (extrapolated) = 1.430 mW/g

SAR(1 g) = 0.904 mW/g ; SAR(10 g) = 0.562 mW/g

Maximum value of SAR (measured) = 0.985 mW/g



0 dB = 0.985 mW/g = -0.13 dB mW/g

#315_LTE Band 17_10M_QPSK 1RB 24offset_Bottom Face_0cm_Ch23790**DUT: 12-4-138**

Communication System: LTE; Frequency: 710 MHz; Duty Cycle: 1:1

Medium: MSL_750_130116 Medium parameters used: $f = 710$ MHz; $\sigma = 0.927$ mho/m; $\epsilon_r = 55.135$; $\rho =$

1000 kg/m^3

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

DASY5 Configuration:

- Probe: ET3DV6 - SN1787; ConvF(6.2, 6.2, 6.2); Calibrated: 2012/5/29;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn495; Calibrated: 2012/4/23
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP:1127
- Measurement SW: DASY52, Version 52.8 (3); SEMCAD X Version 14.6.5 (6469)

Configuration/Ch23790/Area Scan (61x81x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$
Maximum value of SAR (interpolated) = 1.12 mW/g

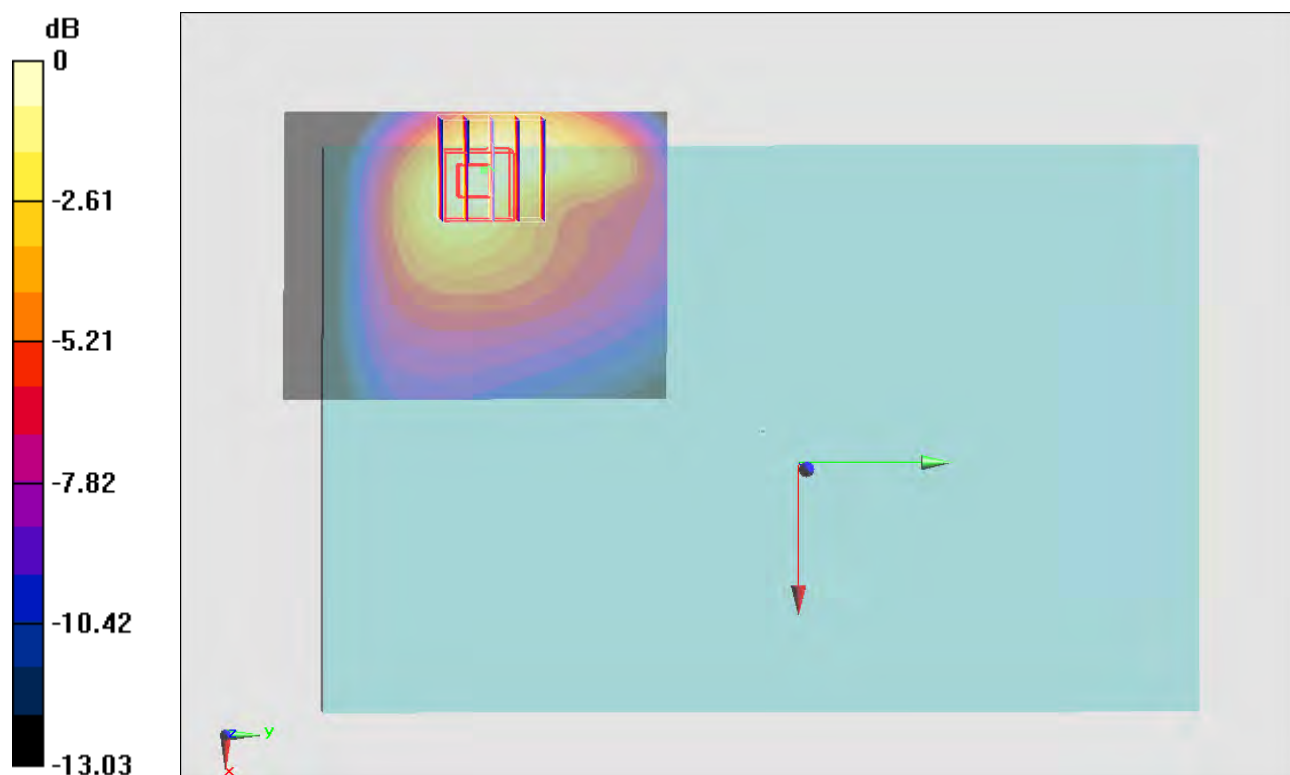
Configuration/Ch23790/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 35.075 V/m ; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 1.617 mW/g

SAR(1 g) = 1.01 mW/g ; SAR(10 g) = 0.626 mW/g

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



#316_LTE Band 17_10M_QPSK 1RB 24offset_Bottom Face_0cm_Ch23800**DUT: 12-4-138**

Communication System: LTE; Frequency: 711 MHz; Duty Cycle: 1:1

Medium: MSL_750_130116 Medium parameters used: $f = 711$ MHz; $\sigma = 0.928$ mho/m; $\epsilon_r = 55.126$; $\rho =$

1000 kg/m^3

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

DASY5 Configuration:

- Probe: ET3DV6 - SN1787; ConvF(6.2, 6.2, 6.2); Calibrated: 2012/5/29;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn495; Calibrated: 2012/4/23
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP:1127
- Measurement SW: DASY52, Version 52.8 (3); SEMCAD X Version 14.6.5 (6469)

Configuration/Ch23800/Area Scan (61x81x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$
Maximum value of SAR (interpolated) = 1.17 mW/g

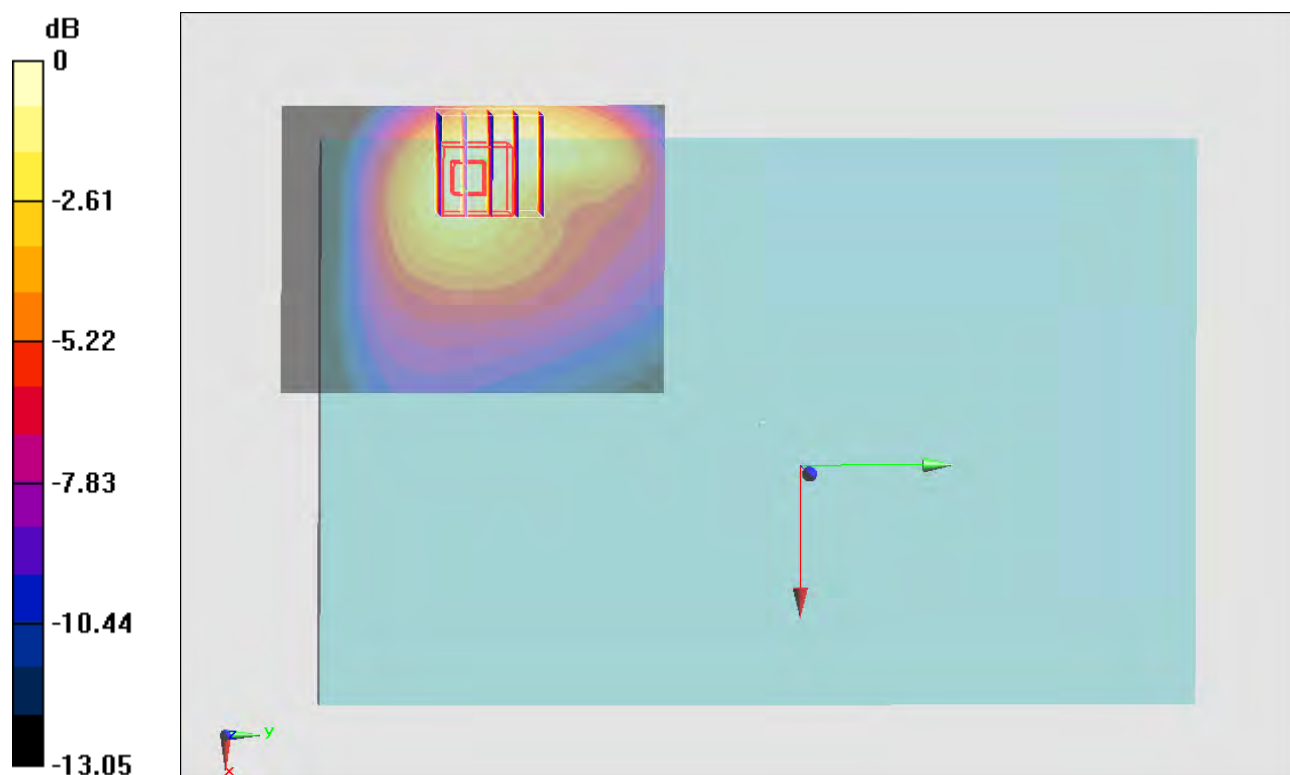
Configuration/Ch23800/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 35.051 V/m ; Power Drift = -0.07 dB

Peak SAR (extrapolated) = 1.634 mW/g

SAR(1 g) = 1.01 mW/g ; SAR(10 g) = 0.628 mW/g

Maximum value of SAR (measured) = 1.07 mW/g



0 dB = 1.07 mW/g = 0.59 dB mW/g

#317_ LTE Band 17_10M_QPSK 25RB 0offset_Bottom Face_0cm_Ch23800**DUT: 12-4-138**

Communication System: LTE; Frequency: 711 MHz; Duty Cycle: 1:1

Medium: MSL_750_130116 Medium parameters used: $f = 711$ MHz; $\sigma = 0.928$ mho/m; $\epsilon_r = 55.126$; $\rho =$

1000 kg/m^3

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

DASY5 Configuration:

- Probe: ET3DV6 - SN1787; ConvF(6.2, 6.2, 6.2); Calibrated: 2012/5/29;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn495; Calibrated: 2012/4/23
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP:1127
- Measurement SW: DASY52, Version 52.8 (3); SEMCAD X Version 14.6.5 (6469)

Configuration/Ch23800/Area Scan (61x81x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$
Maximum value of SAR (interpolated) = 1.15 mW/g

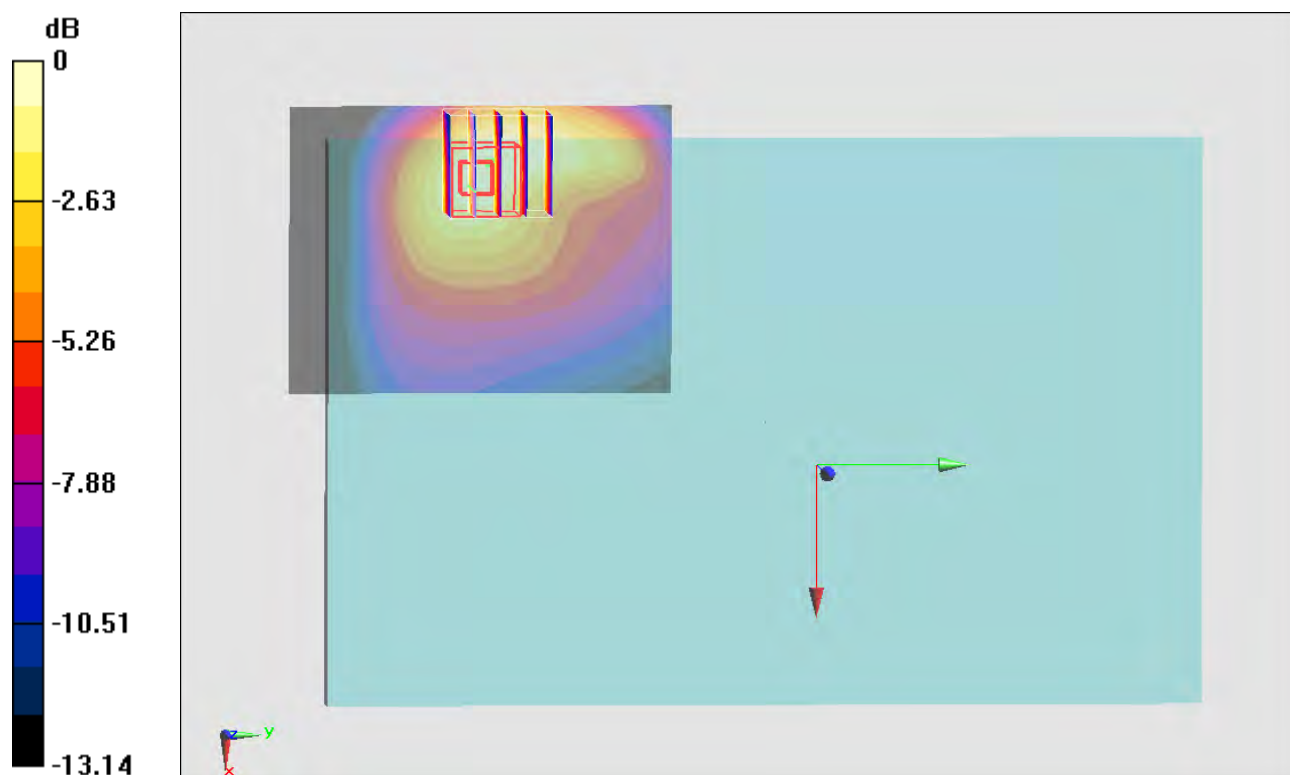
Configuration/Ch23800/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 34.704 V/m ; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 1.549 mW/g

SAR(1 g) = 0.986 mW/g ; SAR(10 g) = 0.611 mW/g

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



0 dB = 1.06 mW/g = 0.51 dB mW/g

#318_LTE Band 17_10M_QPSK 25RB 0offset_Bottom Face_0cm_Ch23780**DUT: 12-4-138**

Communication System: LTE; Frequency: 709 MHz; Duty Cycle: 1:1

Medium: MSL_750_130116 Medium parameters used: $f = 709$ MHz; $\sigma = 0.926$ mho/m; $\epsilon_r = 55.148$; $\rho =$

1000 kg/m^3

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

DASY5 Configuration:

- Probe: ET3DV6 - SN1787; ConvF(6.2, 6.2, 6.2); Calibrated: 2012/5/29;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn495; Calibrated: 2012/4/23
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP:1127
- Measurement SW: DASY52, Version 52.8 (3); SEMCAD X Version 14.6.5 (6469)

Configuration/Ch23780/Area Scan (61x81x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$
Maximum value of SAR (interpolated) = 1.10 mW/g

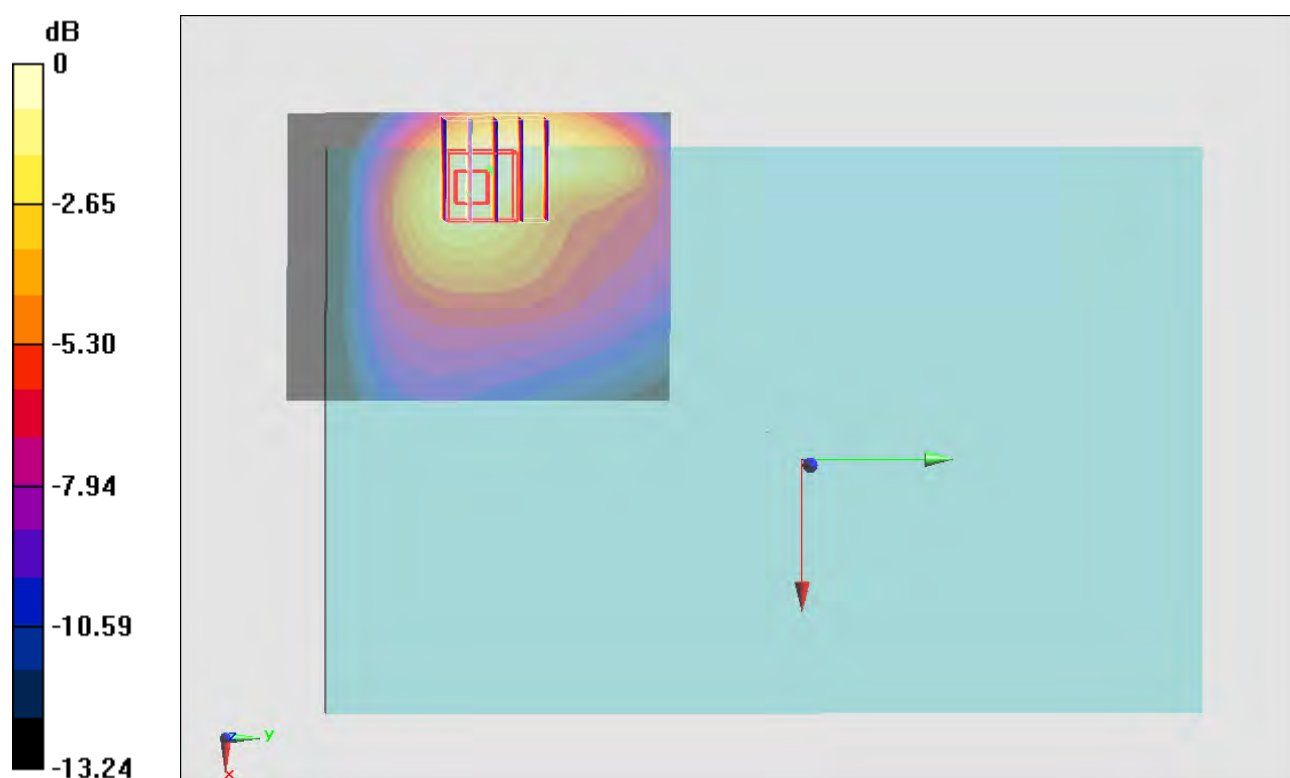
Configuration/Ch23780/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 33.762 V/m ; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 1.502 mW/g

SAR(1 g) = 0.944 mW/g ; SAR(10 g) = 0.579 mW/g

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



#319_LTE Band 17_10M_QPSK 25RB 0offset_Bottom Face_0cm_Ch23790**DUT: 12-4-138**

Communication System: LTE; Frequency: 710 MHz; Duty Cycle: 1:1

Medium: MSL_750_130116 Medium parameters used: $f = 710$ MHz; $\sigma = 0.927$ mho/m; $\epsilon_r = 55.135$; $\rho =$

1000 kg/m^3

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

DASY5 Configuration:

- Probe: ET3DV6 - SN1787; ConvF(6.2, 6.2, 6.2); Calibrated: 2012/5/29;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn495; Calibrated: 2012/4/23
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP:1127
- Measurement SW: DASY52, Version 52.8 (3); SEMCAD X Version 14.6.5 (6469)

Configuration/Ch23790/Area Scan (61x81x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$
Maximum value of SAR (interpolated) = 1.15 mW/g

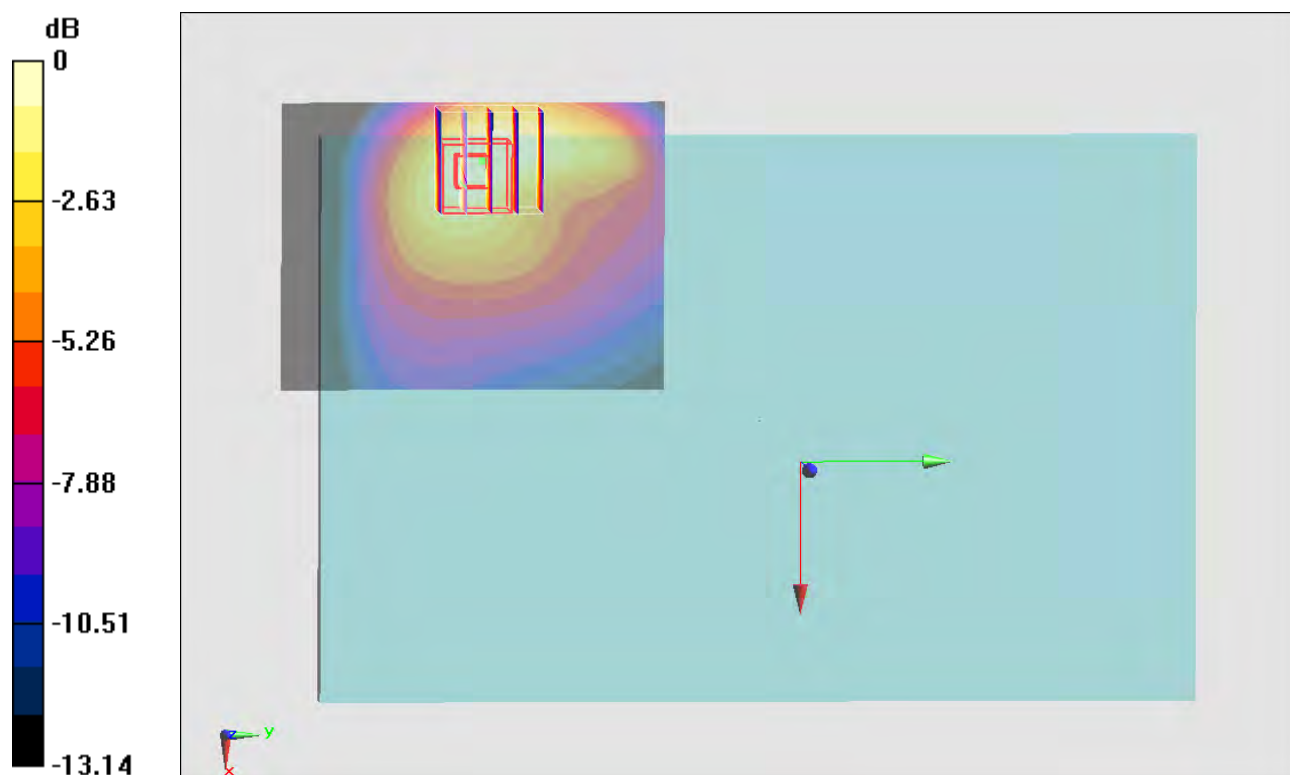
Configuration/Ch23790/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 34.122 V/m ; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 1.594 mW/g

SAR(1 g) = 0.966 mW/g ; SAR(10 g) = 0.595 mW/g

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



0 dB = 1.03 mW/g = 0.26 dB mW/g

#320_LTE Band 17_10M_QPSK 50RB 0offset_Bottom Face_0cm_Ch23800**DUT: 12-4-138**

Communication System: LTE; Frequency: 711 MHz; Duty Cycle: 1:1

Medium: MSL_750_130116 Medium parameters used: $f = 711$ MHz; $\sigma = 0.928$ mho/m; $\epsilon_r = 55.126$; $\rho =$

1000 kg/m^3

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

DASY5 Configuration:

- Probe: ET3DV6 - SN1787; ConvF(6.2, 6.2, 6.2); Calibrated: 2012/5/29;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn495; Calibrated: 2012/4/23
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP:1127
- Measurement SW: DASY52, Version 52.8 (3); SEMCAD X Version 14.6.5 (6469)

Configuration/Ch23800/Area Scan (61x81x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$
Maximum value of SAR (interpolated) = 1.16 mW/g

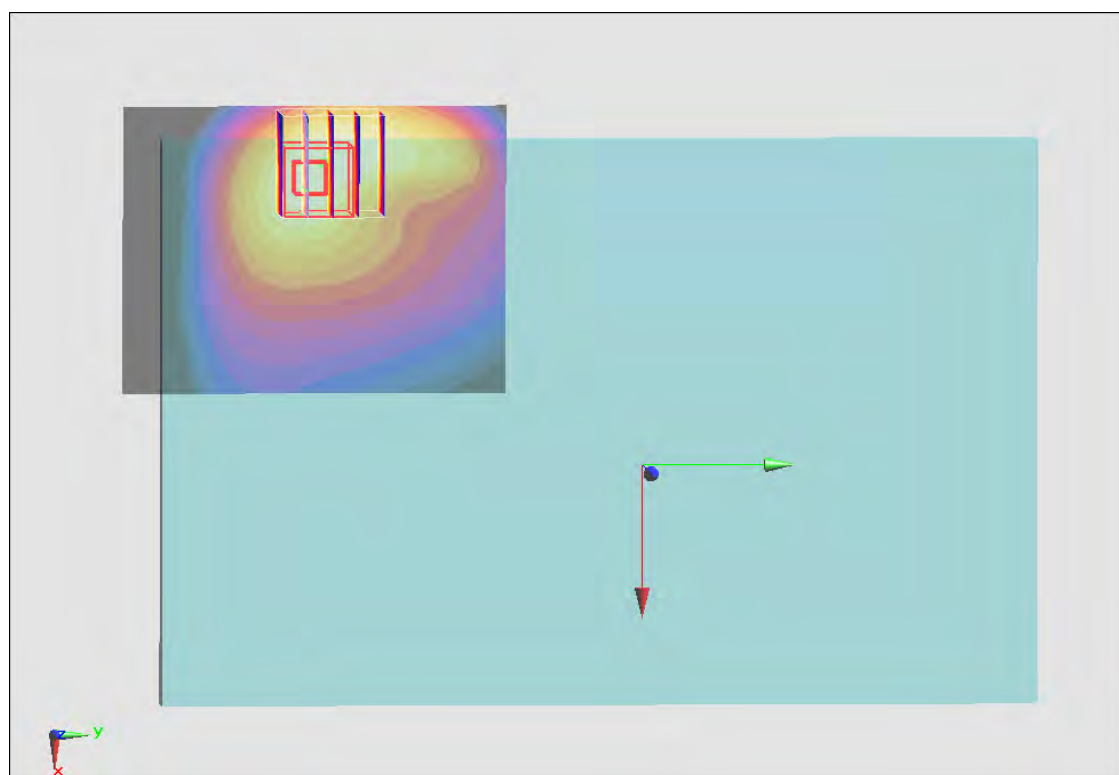
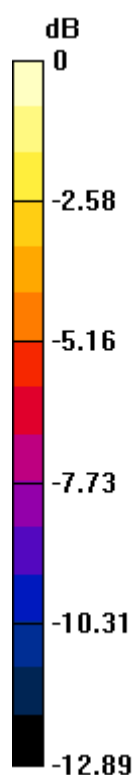
Configuration/Ch23800/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 35.324 V/m ; Power Drift = -0.12 dB

Peak SAR (extrapolated) = 1.566 mW/g

SAR(1 g) = 0.970 mW/g ; SAR(10 g) = 0.601 mW/g

Maximum value of SAR (measured) = 1.04 mW/g



0 dB = 1.04 mW/g = 0.34 dB mW/g

#307_LTE Band 17_10M_QPSK 1RB 24offset_Edge3_0cm_Ch23780**DUT: 12-4-138**

Communication System: LTE; Frequency: 709 MHz; Duty Cycle: 1:1

Medium: MSL_750_130116 Medium parameters used: $f = 709$ MHz; $\sigma = 0.926$ mho/m; $\epsilon_r = 55.148$; $\rho =$

1000 kg/m^3

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

DASY5 Configuration:

- Probe: ET3DV6 - SN1787; ConvF(6.2, 6.2, 6.2); Calibrated: 2012/5/29;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn495; Calibrated: 2012/4/23
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP:1127
- Measurement SW: DASY52, Version 52.8 (3); SEMCAD X Version 14.6.5 (6469)

Configuration/Ch23780/Area Scan (41x101x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$
Maximum value of SAR (interpolated) = 0.960 mW/g

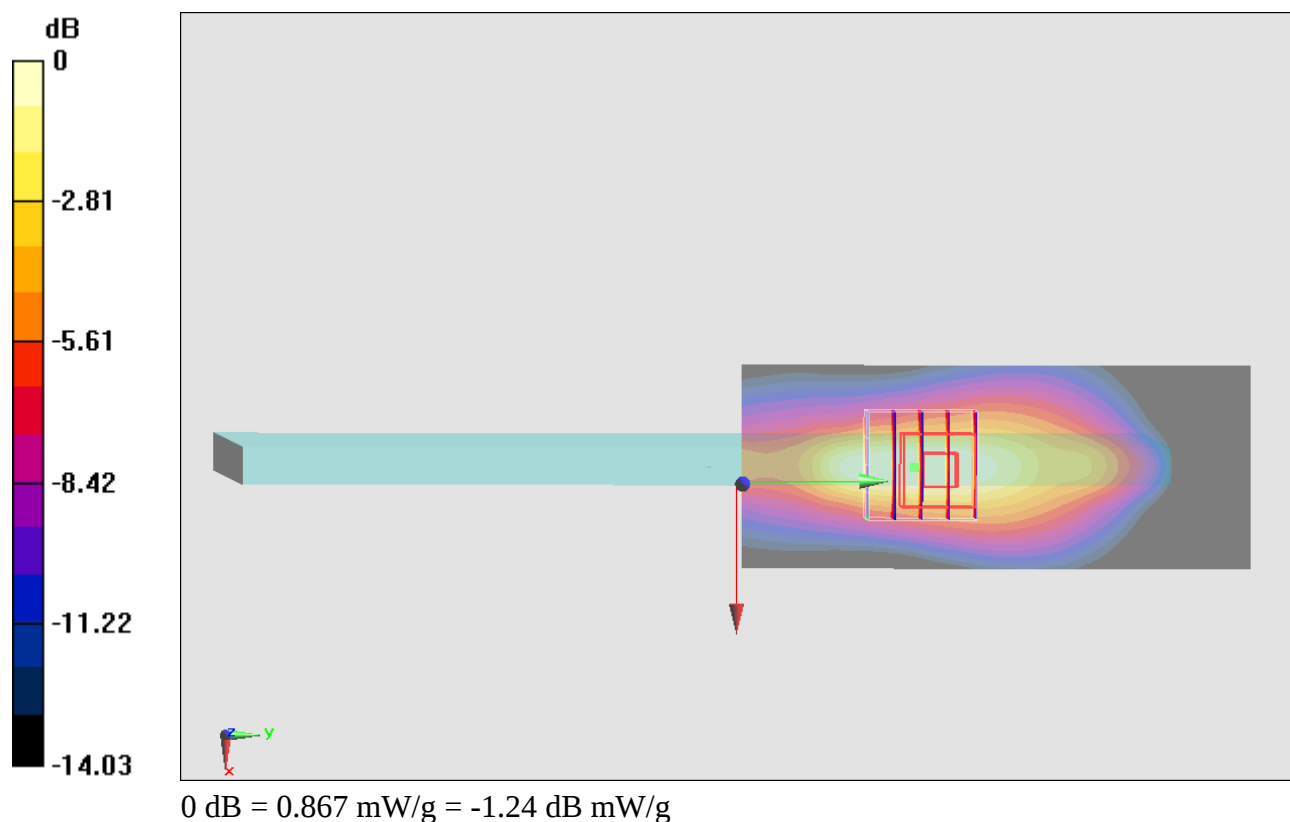
Configuration/Ch23780/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 31.370 V/m ; Power Drift = 0.141 dB

Peak SAR (extrapolated) = 1.456 mW/g

SAR(1 g) = 0.798 mW/g ; SAR(10 g) = 0.444 mW/g

Maximum value of SAR (measured) = 0.867 mW/g



#308_LTE Band 17_10M_QPSK 1RB 24offset_Edge3_0cm_Ch23790**DUT: 12-4-138**

Communication System: LTE; Frequency: 710 MHz; Duty Cycle: 1:1

Medium: MSL_750_130116 Medium parameters used: $f = 710$ MHz; $\sigma = 0.927$ mho/m; $\epsilon_r = 55.135$; $\rho =$

1000 kg/m^3

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

DASY5 Configuration:

- Probe: ET3DV6 - SN1787; ConvF(6.2, 6.2, 6.2); Calibrated: 2012/5/29;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn495; Calibrated: 2012/4/23
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP:1127
- Measurement SW: DASY52, Version 52.8 (3); SEMCAD X Version 14.6.5 (6469)

Configuration/Ch23790/Area Scan (41x101x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Maximum value of SAR (interpolated) = 1.02 mW/g

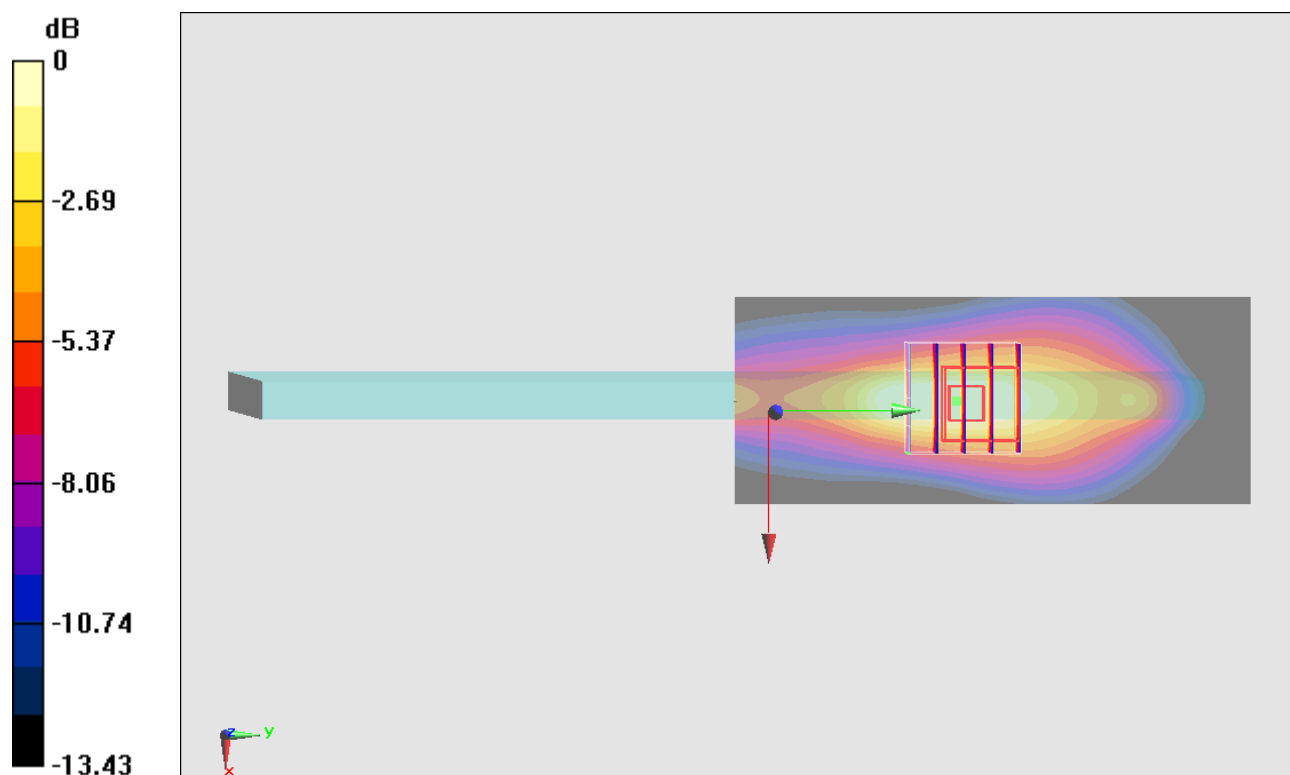
Configuration/Ch23790/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 32.570 V/m ; Power Drift = -0.08 dB

Peak SAR (extrapolated) = 1.587 mW/g

SAR(1 g) = 0.826 mW/g ; SAR(10 g) = 0.465 mW/g

Maximum value of SAR (measured) = 0.883 mW/g



0 dB = 0.883 mW/g = -1.08 dB mW/g

#309_LTE Band 17_10M_QPSK 1RB 24offset_Edge3_0cm_Ch23800**DUT: 12-4-138**

Communication System: LTE; Frequency: 711 MHz; Duty Cycle: 1:1

Medium: MSL_750_130116 Medium parameters used: $f = 711$ MHz; $\sigma = 0.928$ mho/m; $\epsilon_r = 55.126$; $\rho =$

1000 kg/m^3

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

DASY5 Configuration:

- Probe: ET3DV6 - SN1787; ConvF(6.2, 6.2, 6.2); Calibrated: 2012/5/29;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn495; Calibrated: 2012/4/23
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP:1127
- Measurement SW: DASY52, Version 52.8 (3); SEMCAD X Version 14.6.5 (6469)

Configuration/Ch23800/Area Scan (41x101x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$
Maximum value of SAR (interpolated) = 1.01 mW/g

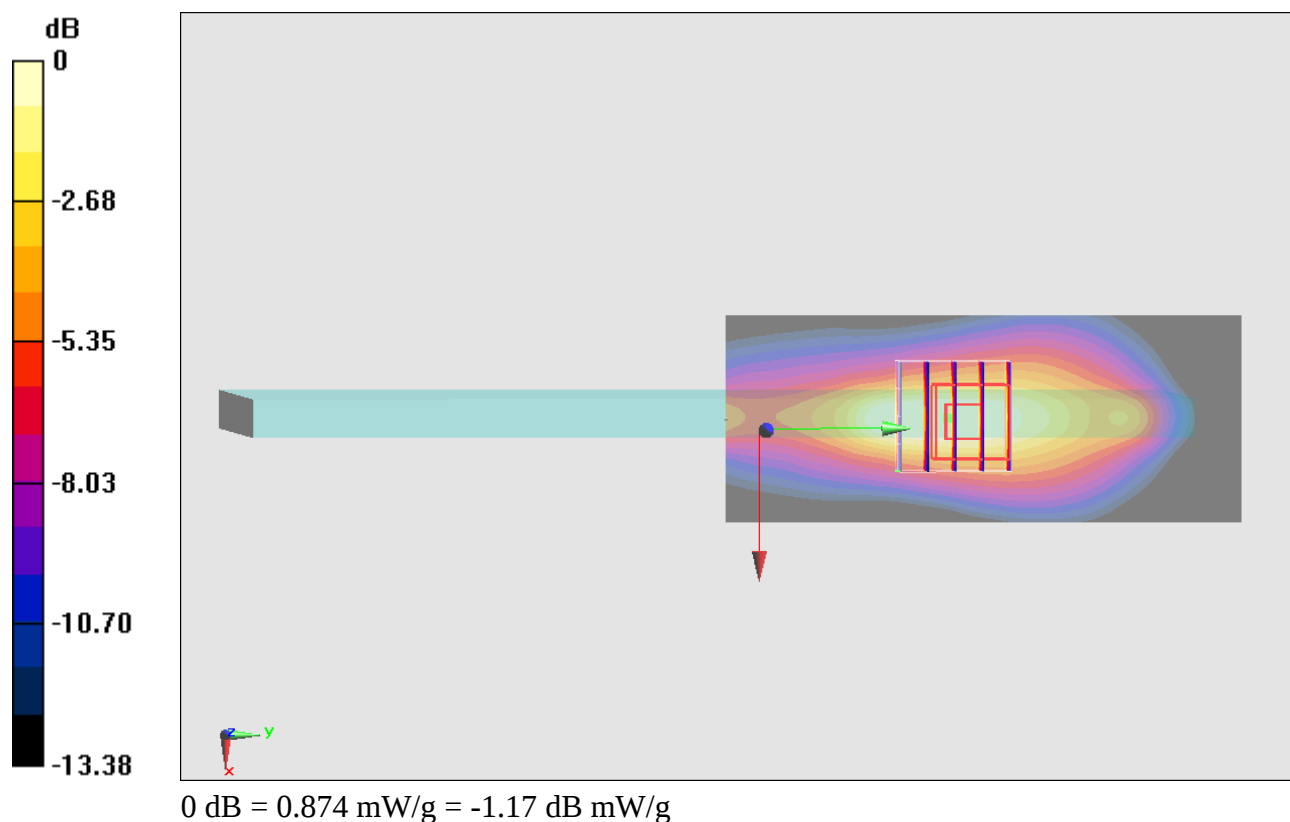
Configuration/Ch23800/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 33.309 V/m ; Power Drift = -0.129 dB

Peak SAR (extrapolated) = 1.501 mW/g

SAR(1 g) = 0.820 mW/g ; SAR(10 g) = 0.463 mW/g

Maximum value of SAR (measured) = 0.874 mW/g



#310_LTE Band 17_10M_QPSK 25RB 0offset_Edge3_0cm_Ch23800**DUT: 12-4-138**

Communication System: LTE; Frequency: 711 MHz; Duty Cycle: 1:1

Medium: MSL_750_130116 Medium parameters used: $f = 711$ MHz; $\sigma = 0.928$ mho/m; $\epsilon_r = 55.126$; $\rho =$

1000 kg/m^3

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

DASY5 Configuration:

- Probe: ET3DV6 - SN1787; ConvF(6.2, 6.2, 6.2); Calibrated: 2012/5/29;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn495; Calibrated: 2012/4/23
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP:1127
- Measurement SW: DASY52, Version 52.8 (3); SEMCAD X Version 14.6.5 (6469)

Configuration/Ch23800/Area Scan (41x101x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$
Maximum value of SAR (interpolated) = 1.01 mW/g

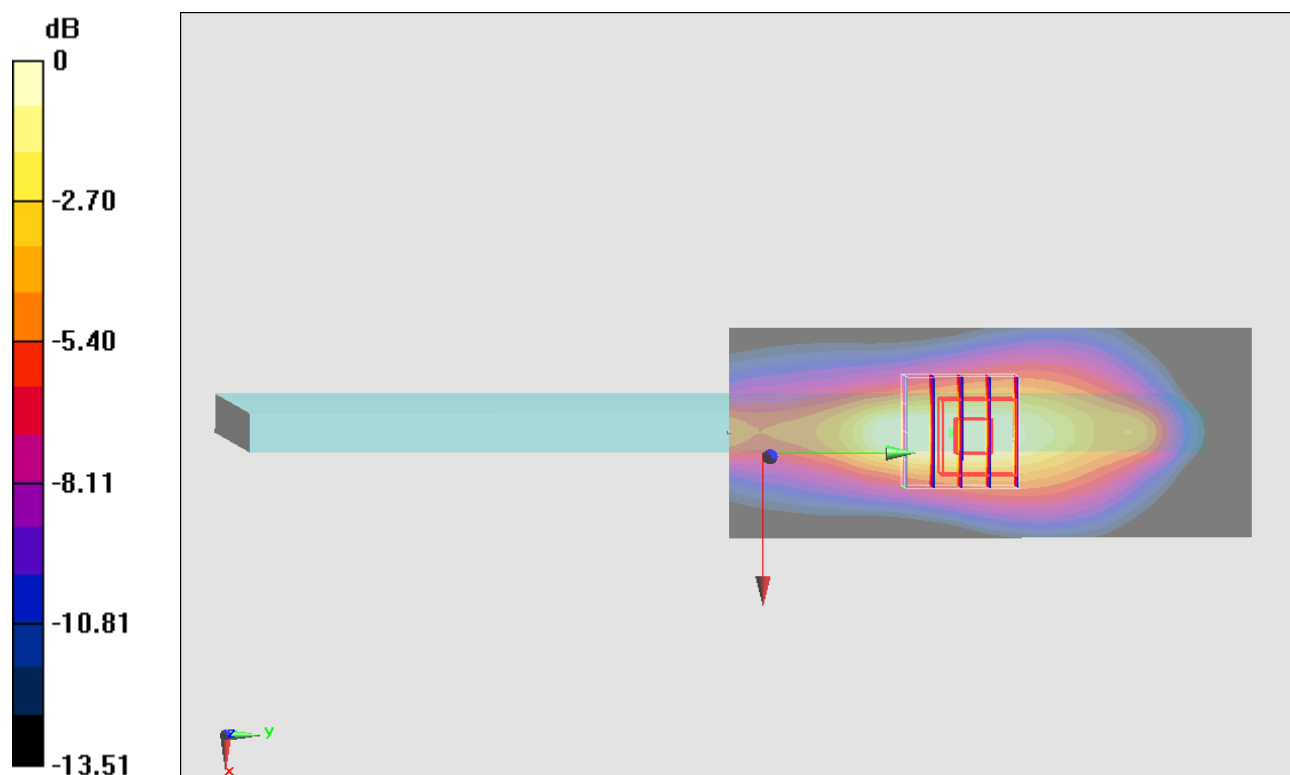
Configuration/Ch23800/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 32.209 V/m ; Power Drift = -0.12 dB

Peak SAR (extrapolated) = 1.521 mW/g

SAR(1 g) = 0.810 mW/g ; SAR(10 g) = 0.451 mW/g

Maximum value of SAR (measured) = 0.874 mW/g



0 dB = 0.874 mW/g = -1.17 dB mW/g

#311_LTE Band 17_10M_QPSK 25RB 0offset_Edge3_0cm_Ch23780**DUT: 12-4-138**

Communication System: LTE; Frequency: 709 MHz; Duty Cycle: 1:1

Medium: MSL_750_130116 Medium parameters used: $f = 709$ MHz; $\sigma = 0.926$ mho/m; $\epsilon_r = 55.148$; $\rho =$

1000 kg/m^3

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

DASY5 Configuration:

- Probe: ET3DV6 - SN1787; ConvF(6.2, 6.2, 6.2); Calibrated: 2012/5/29;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn495; Calibrated: 2012/4/23
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP:1127
- Measurement SW: DASY52, Version 52.8 (3); SEMCAD X Version 14.6.5 (6469)

Configuration/Ch23780/Area Scan (41x101x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$
Maximum value of SAR (interpolated) = 0.944 mW/g

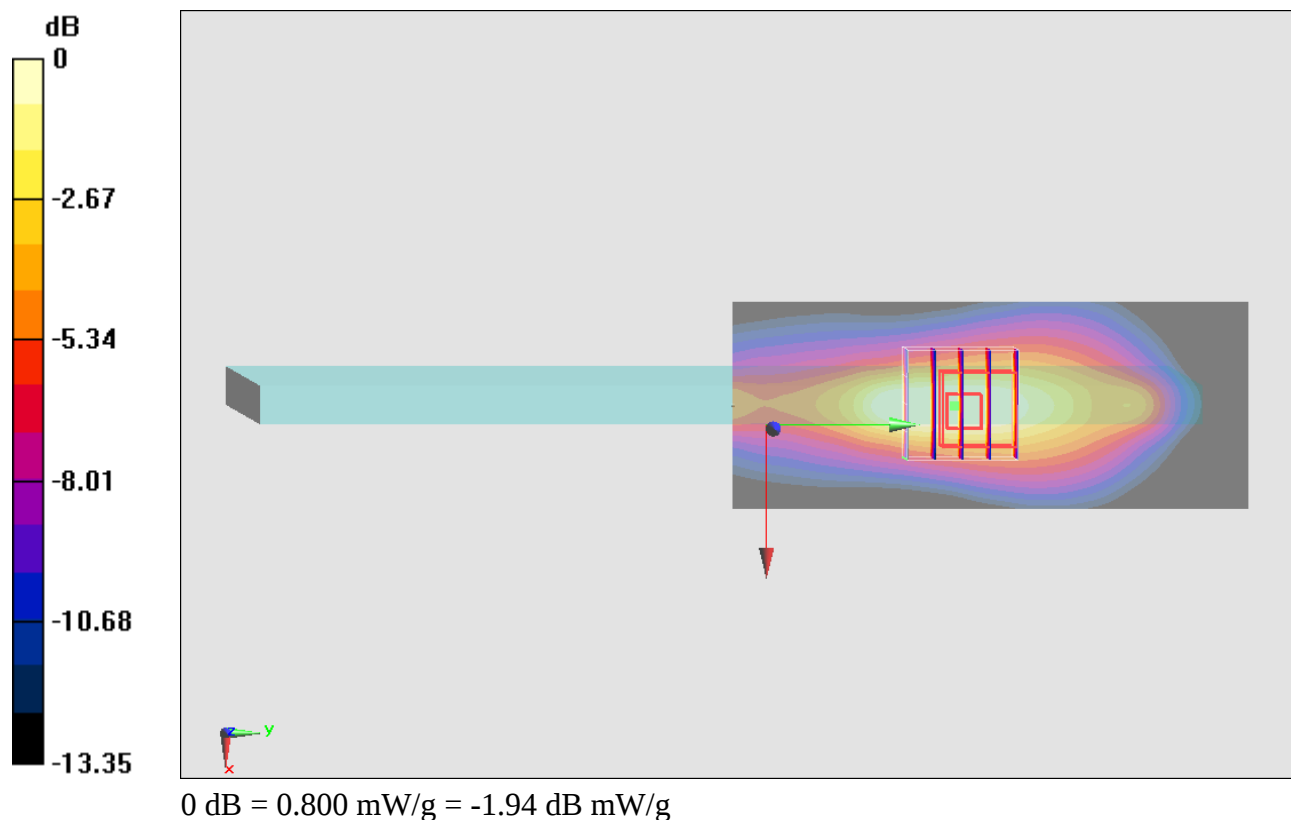
Configuration/Ch23780/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 31.142 V/m ; Power Drift = -0.09 dB

Peak SAR (extrapolated) = 1.433 mW/g

SAR(1 g) = 0.750 mW/g ; SAR(10 g) = 0.419 mW/g

Maximum value of SAR (measured) = 0.800 mW/g



#312_ LTE Band 17_10M_QPSK 25RB 0offset_Edge3_0cm_Ch23790**DUT: 12-4-138**

Communication System: LTE; Frequency: 710 MHz; Duty Cycle: 1:1

Medium: MSL_750_130116 Medium parameters used: $f = 710$ MHz; $\sigma = 0.927$ mho/m; $\epsilon_r = 55.135$; $\rho =$

1000 kg/m^3

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

DASY5 Configuration:

- Probe: ET3DV6 - SN1787; ConvF(6.2, 6.2, 6.2); Calibrated: 2012/5/29;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn495; Calibrated: 2012/4/23
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP:1127
- Measurement SW: DASY52, Version 52.8 (3); SEMCAD X Version 14.6.5 (6469)

Configuration/Ch23790/Area Scan (41x101x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$
Maximum value of SAR (interpolated) = 0.959 mW/g

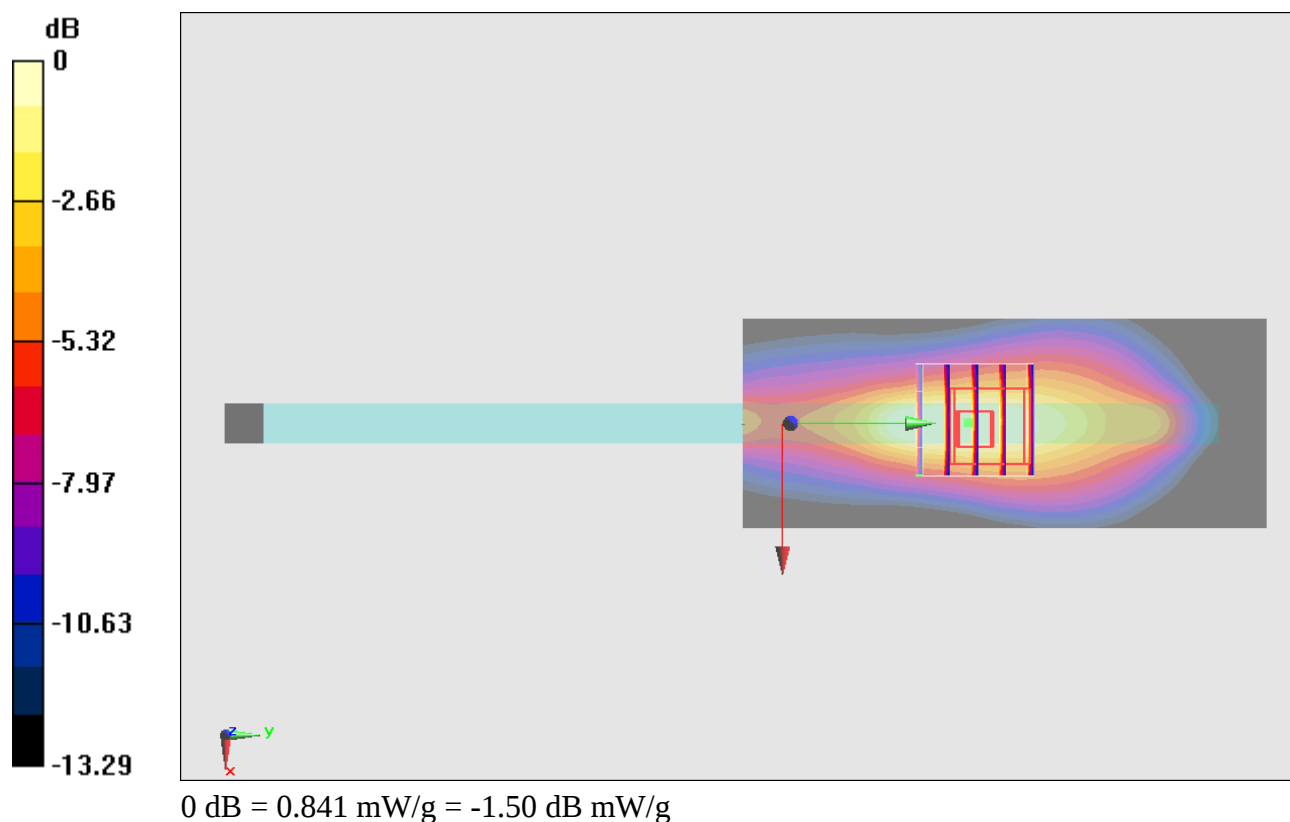
Configuration/Ch23790/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 32.314 V/m ; Power Drift = -0.132 dB

Peak SAR (extrapolated) = 1.545 mW/g

SAR(1 g) = 0.792 mW/g ; SAR(10 g) = 0.435 mW/g

Maximum value of SAR (measured) = 0.841 mW/g



#313_ LTE Band 17_10M_QPSK 50RB 0offset_Edge3_0cm_Ch23800**DUT: 12-4-138**

Communication System: LTE; Frequency: 711 MHz; Duty Cycle: 1:1

Medium: MSL_750_130116 Medium parameters used: $f = 711$ MHz; $\sigma = 0.928$ mho/m; $\epsilon_r = 55.126$; $\rho =$

1000 kg/m^3

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

DASY5 Configuration:

- Probe: ET3DV6 - SN1787; ConvF(6.2, 6.2, 6.2); Calibrated: 2012/5/29;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn495; Calibrated: 2012/4/23
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP:1127
- Measurement SW: DASY52, Version 52.8 (3); SEMCAD X Version 14.6.5 (6469)

Configuration/Ch23800/Area Scan (41x101x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$
Maximum value of SAR (interpolated) = 0.993 mW/g

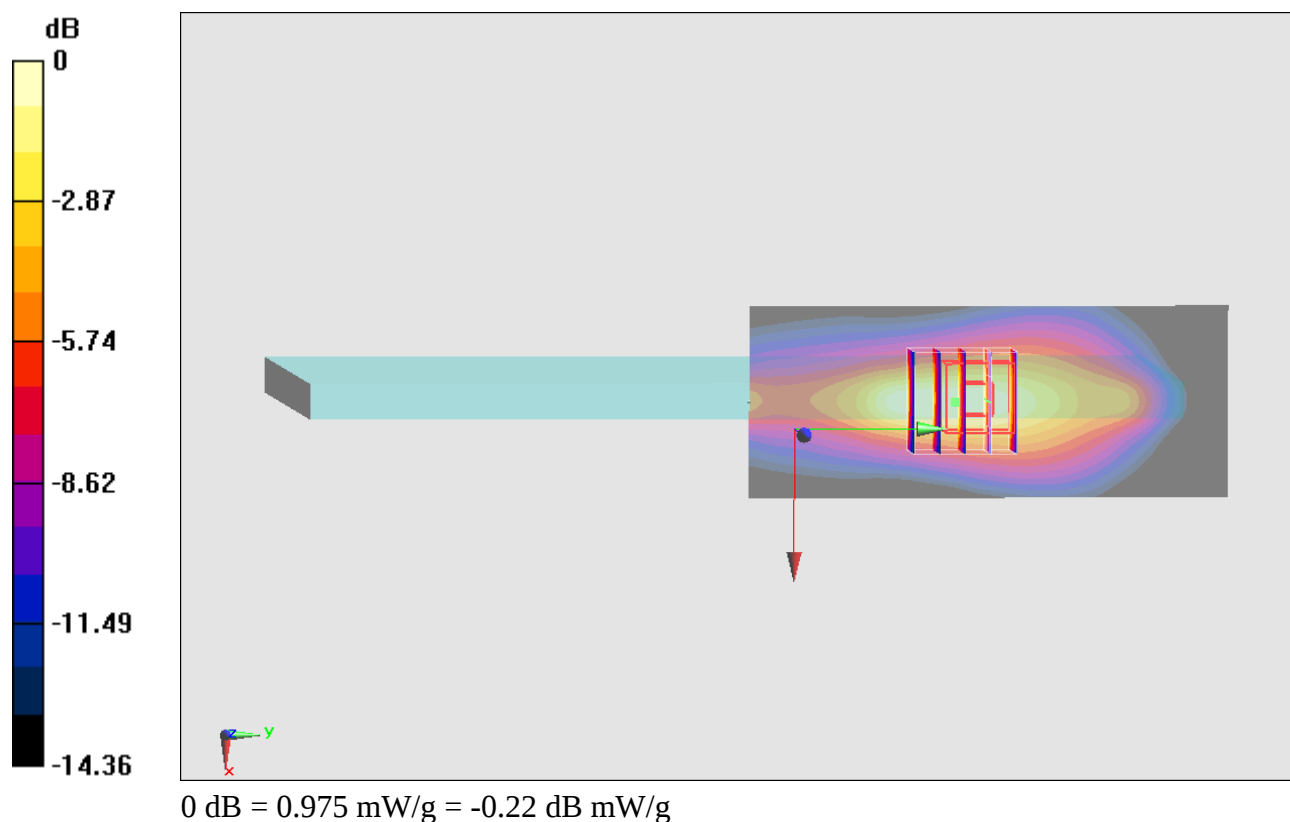
Configuration/Ch23800/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 31.752 V/m ; Power Drift = 0.048 dB

Peak SAR (extrapolated) = 1.625 mW/g

SAR(1 g) = 0.842 mW/g ; SAR(10 g) = 0.465 mW/g

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



#300_LTE Band 17_10M_QPSK 1RB 24offset_Bottom Face_0cm_Ch23780;Curve**DUT: 12-4-138**

Communication System: LTE; Frequency: 709 MHz; Duty Cycle: 1:1

Medium: MSL_750_130116 Medium parameters used: $f = 709$ MHz; $\sigma = 0.926$ mho/m; $\epsilon_r = 55.148$; $\rho =$

1000 kg/m^3

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

DASY5 Configuration:

- Probe: ET3DV6 - SN1787; ConvF(6.2, 6.2, 6.2); Calibrated: 2012/5/29;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn495; Calibrated: 2012/4/23
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP:1127
- Measurement SW: DASY52, Version 52.8 (3); SEMCAD X Version 14.6.5 (6469)

Configuration/Ch23780/Area Scan (61x81x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$
Maximum value of SAR (interpolated) = 1.08 mW/g

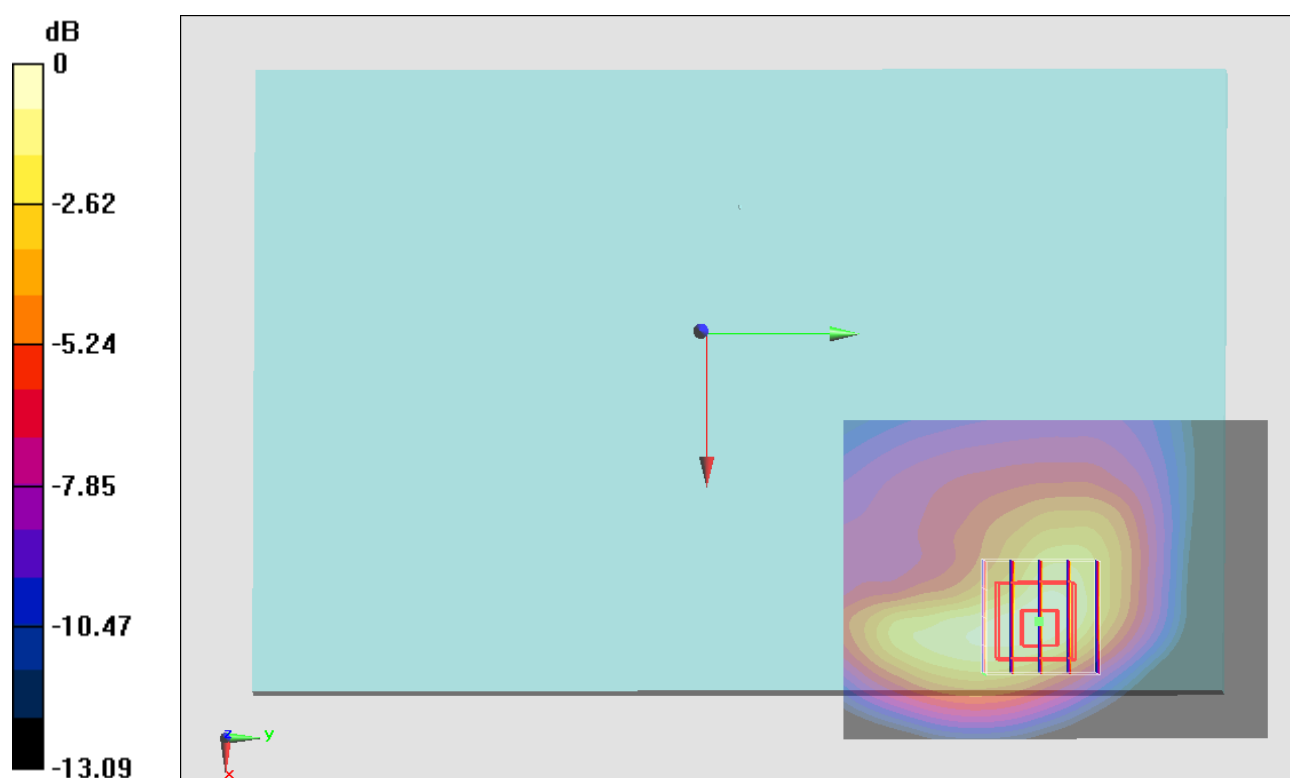
Configuration/Ch23780/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 38.511 V/m ; Power Drift = 0.142 dB

Peak SAR (extrapolated) = 1.785 mW/g

SAR(1 g) = 1.01 mW/g ; SAR(10 g) = 0.590 mW/g

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



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

#301_LTE Band 17_10M_QPSK 1RB 24offset_Bottom Face_0cm_Ch23790;Curve**DUT: 12-4-138**

Communication System: LTE; Frequency: 710 MHz; Duty Cycle: 1:1

Medium: MSL_750_130116 Medium parameters used: $f = 710$ MHz; $\sigma = 0.927$ mho/m; $\epsilon_r = 55.135$; $\rho =$

1000 kg/m^3

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

DASY5 Configuration:

- Probe: ET3DV6 - SN1787; ConvF(6.2, 6.2, 6.2); Calibrated: 2012/5/29;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn495; Calibrated: 2012/4/23
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP:1127
- Measurement SW: DASY52, Version 52.8 (3); SEMCAD X Version 14.6.5 (6469)

Configuration/Ch23790/Area Scan (61x81x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$
Maximum value of SAR (interpolated) = 1.13 mW/g

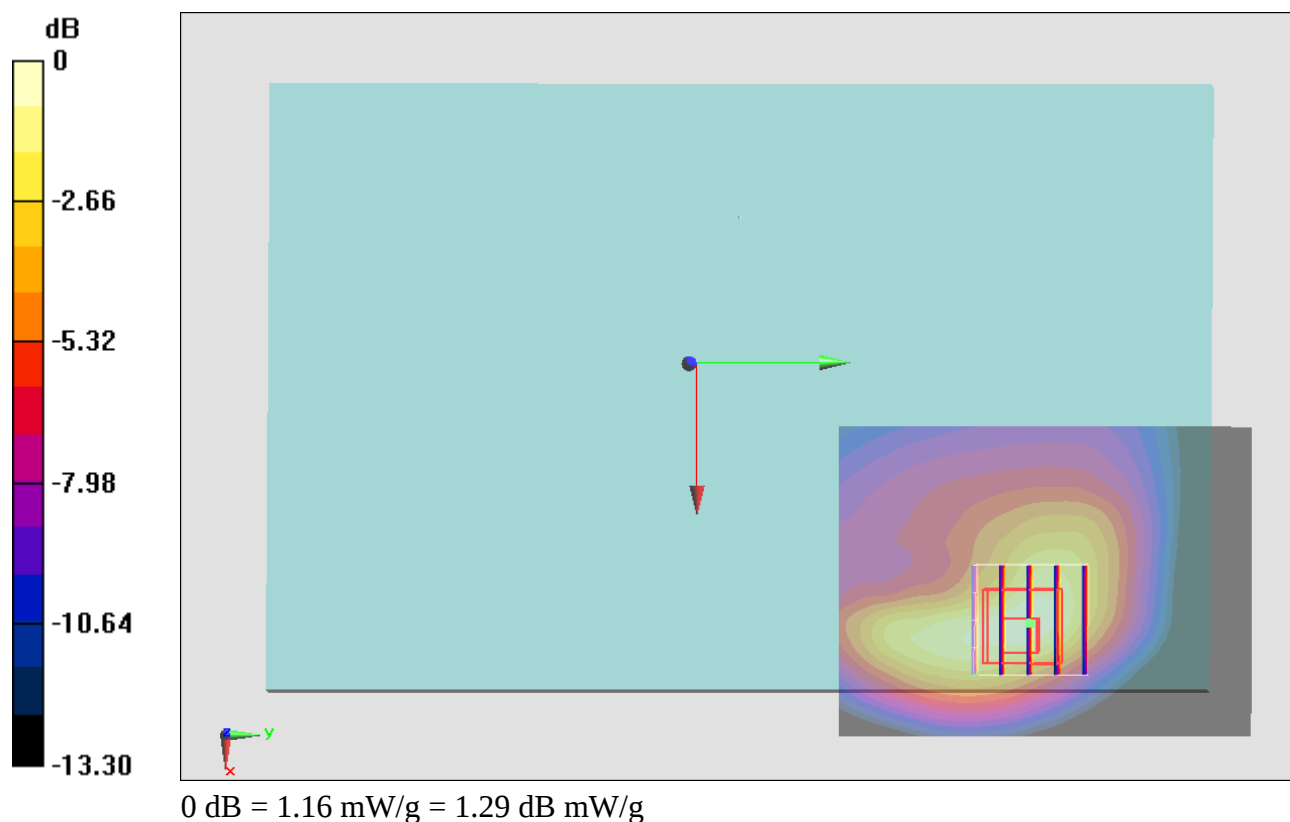
Configuration/Ch23790/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 39.637 V/m ; Power Drift = 0.125 dB

Peak SAR (extrapolated) = 1.880 mW/g

SAR(1 g) = 1.04 mW/g ; SAR(10 g) = 0.604 mW/g

Maximum value of SAR (measured) = 1.16 mW/g



**#327_LTE Band 17_10M_QPSK 1RB 24offset_Bottom
Face_0cm_Ch23790;Curve_Repeat****DUT: 12-4-138**

Communication System: LTE; Frequency: 710 MHz; Duty Cycle: 1:1

Medium: MSL_750_130116 Medium parameters used: $f = 710$ MHz; $\sigma = 0.927$ mho/m; $\epsilon_r = 55.135$; $\rho = 1000$ kg/m³

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

DASY5 Configuration:

- Probe: ET3DV6 - SN1787; ConvF(6.2, 6.2, 6.2); Calibrated: 2012/5/29;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn495; Calibrated: 2012/4/23
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP:1127
- Measurement SW: DASY52, Version 52.8 (3); SEMCAD X Version 14.6.5 (6469)

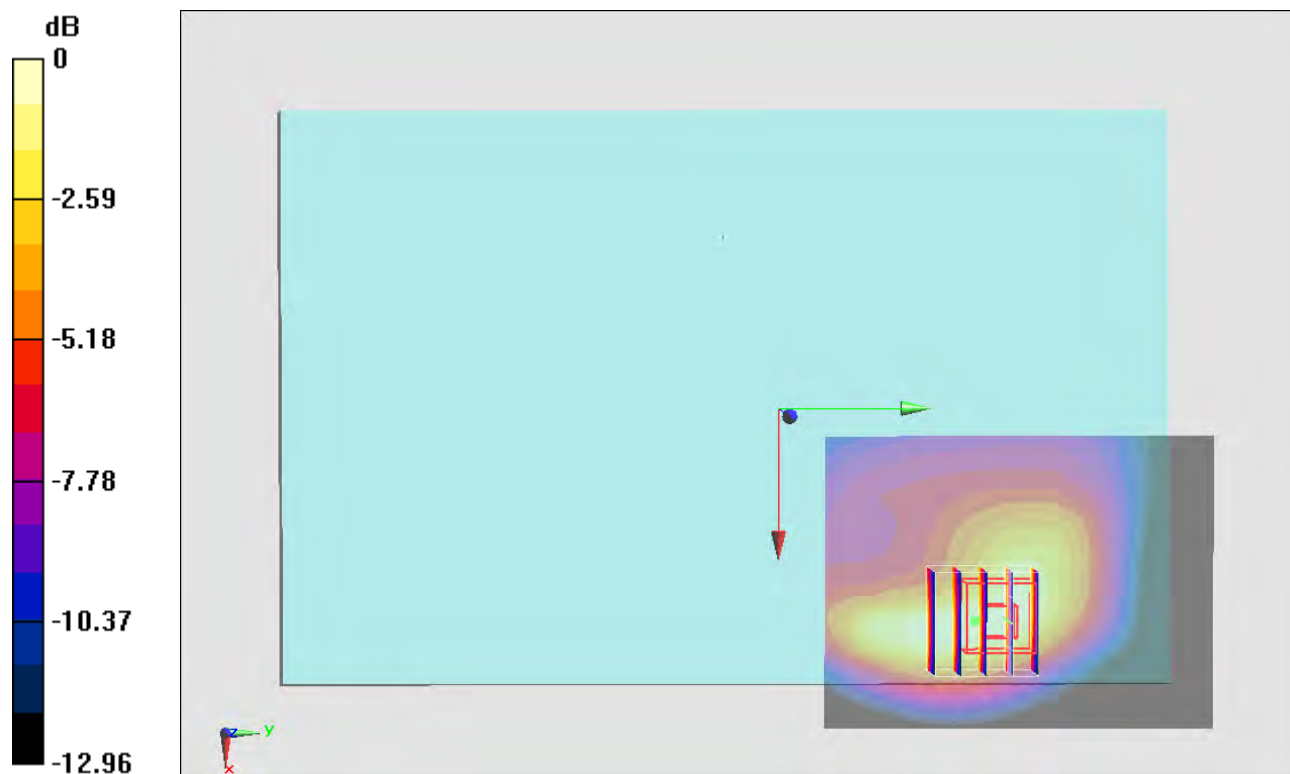
Configuration/Ch23790/Area Scan (61x81x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 1.05 mW/g**Configuration/Ch23790/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 39.403 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 1.689 mW/g

SAR(1 g) = 0.937 mW/g; SAR(10 g) = 0.544 mW/g

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



#302_LTE Band 17_10M_QPSK 1RB 24offset_Bottom Face_0cm_Ch23800;Curve**DUT: 12-4-138**

Communication System: LTE; Frequency: 711 MHz; Duty Cycle: 1:1

Medium: MSL_750_130116 Medium parameters used: $f = 711$ MHz; $\sigma = 0.928$ mho/m; $\epsilon_r = 55.126$; $\rho =$

1000 kg/m^3

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

DASY5 Configuration:

- Probe: ET3DV6 - SN1787; ConvF(6.2, 6.2, 6.2); Calibrated: 2012/5/29;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn495; Calibrated: 2012/4/23
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP:1127
- Measurement SW: DASY52, Version 52.8 (3); SEMCAD X Version 14.6.5 (6469)

Configuration/Ch23800/Area Scan (61x81x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$
Maximum value of SAR (interpolated) = 1.13 mW/g

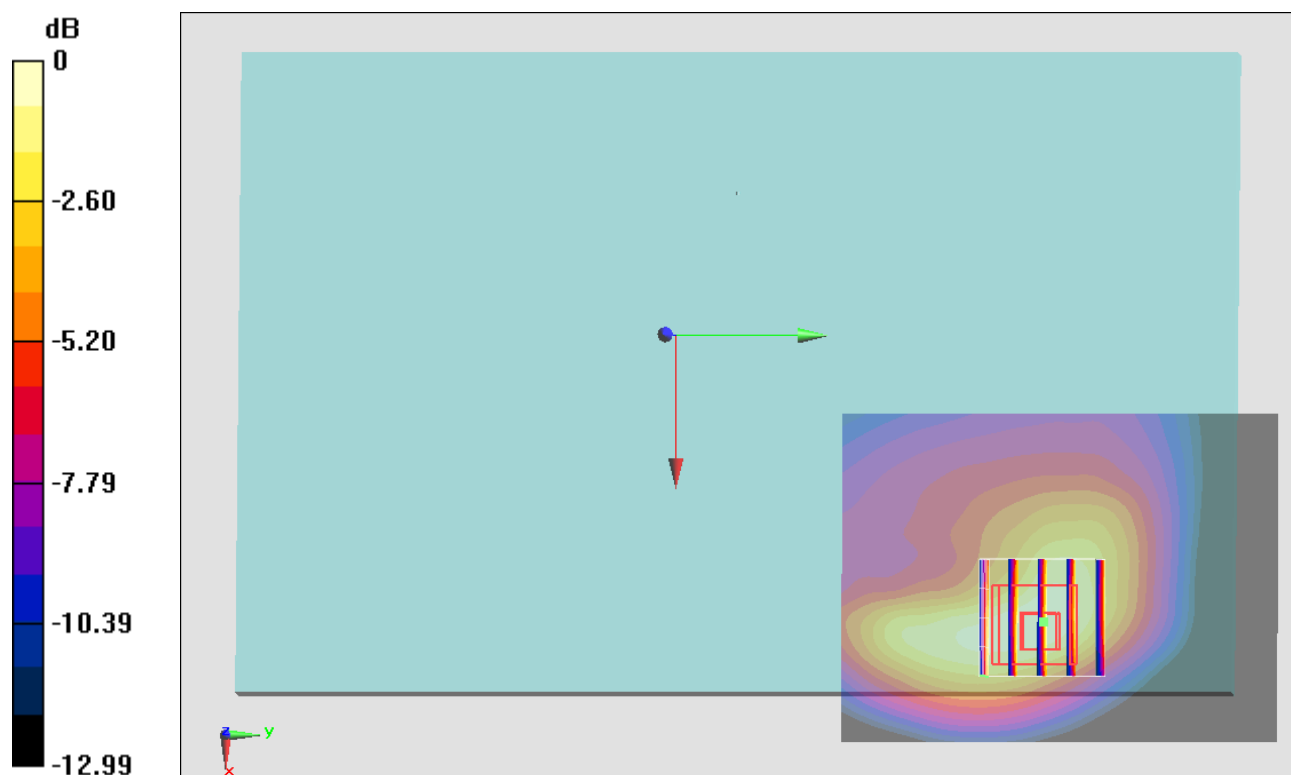
Configuration/Ch23800/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 39.579 V/m ; Power Drift = -0.09 dB

Peak SAR (extrapolated) = 1.766 mW/g

SAR(1 g) = 0.995 mW/g ; SAR(10 g) = 0.582 mW/g

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



0 dB = 1.09 mW/g = 0.75 dB mW/g

#303_LTE Band 17_10M_QPSK 25RB 0offset_Bottom Face_0cm_Ch23800;Curve**DUT: 12-4-138**

Communication System: LTE; Frequency: 711 MHz; Duty Cycle: 1:1

Medium: MSL_750_130116 Medium parameters used: $f = 711$ MHz; $\sigma = 0.928$ mho/m; $\epsilon_r = 55.126$; $\rho =$

1000 kg/m^3

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

DASY5 Configuration:

- Probe: ET3DV6 - SN1787; ConvF(6.2, 6.2, 6.2); Calibrated: 2012/5/29;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn495; Calibrated: 2012/4/23
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP:1127
- Measurement SW: DASY52, Version 52.8 (3); SEMCAD X Version 14.6.5 (6469)

Configuration/Ch23800/Area Scan (61x81x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$
Maximum value of SAR (interpolated) = 1.14 mW/g

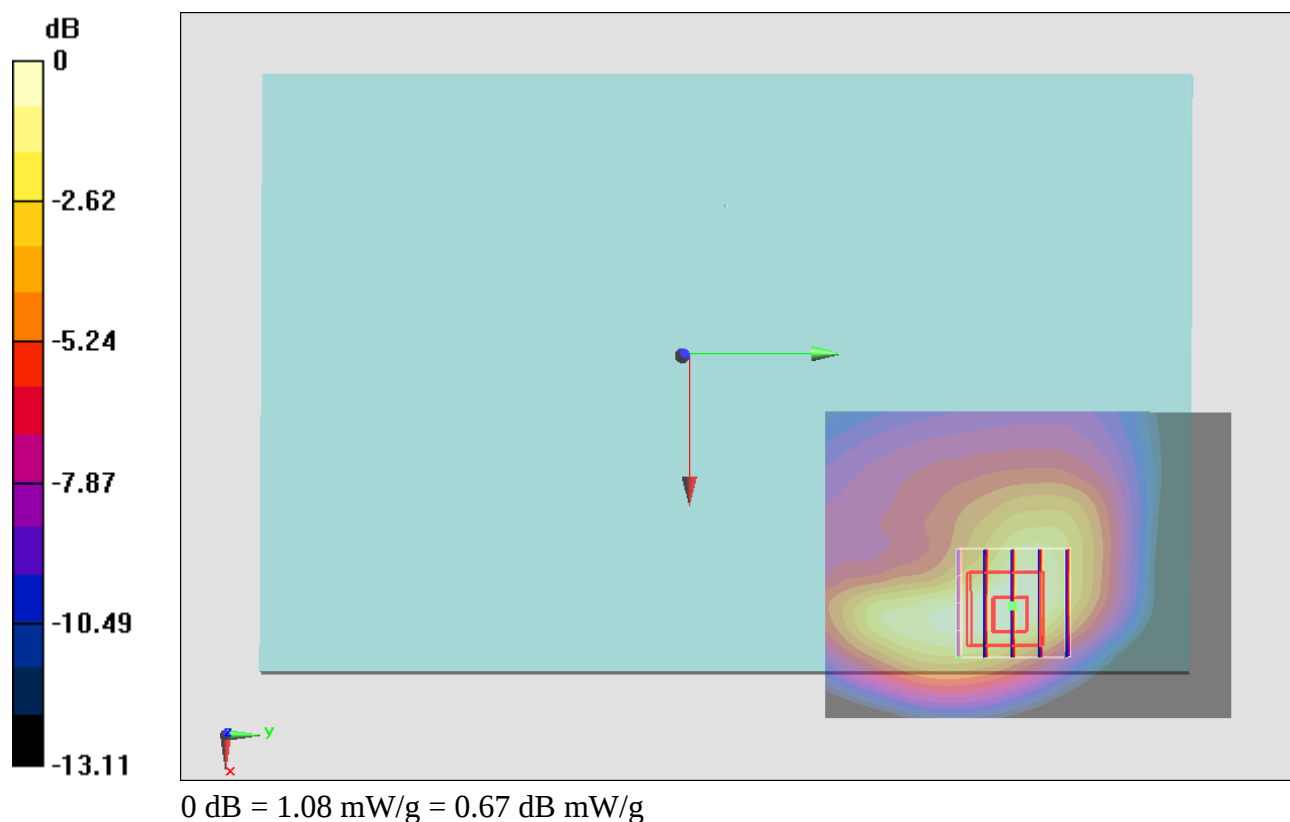
Configuration/Ch23800/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 39.820 V/m ; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 1.791 mW/g

SAR(1 g) = 0.992 mW/g ; SAR(10 g) = 0.575 mW/g

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



#304_LTE Band 17_10M_QPSK 25RB 0offset_Bottom Face_0cm_Ch23780;Curve**DUT: 12-4-138**

Communication System: LTE; Frequency: 709 MHz; Duty Cycle: 1:1

Medium: MSL_750_130116 Medium parameters used: $f = 709$ MHz; $\sigma = 0.926$ mho/m; $\epsilon_r = 55.148$; $\rho =$

1000 kg/m^3

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

DASY5 Configuration:

- Probe: ET3DV6 - SN1787; ConvF(6.2, 6.2, 6.2); Calibrated: 2012/5/29;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn495; Calibrated: 2012/4/23
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP:1127
- Measurement SW: DASY52, Version 52.8 (3); SEMCAD X Version 14.6.5 (6469)

Configuration/Ch23780/Area Scan (61x81x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$
Maximum value of SAR (interpolated) = 1.10 mW/g

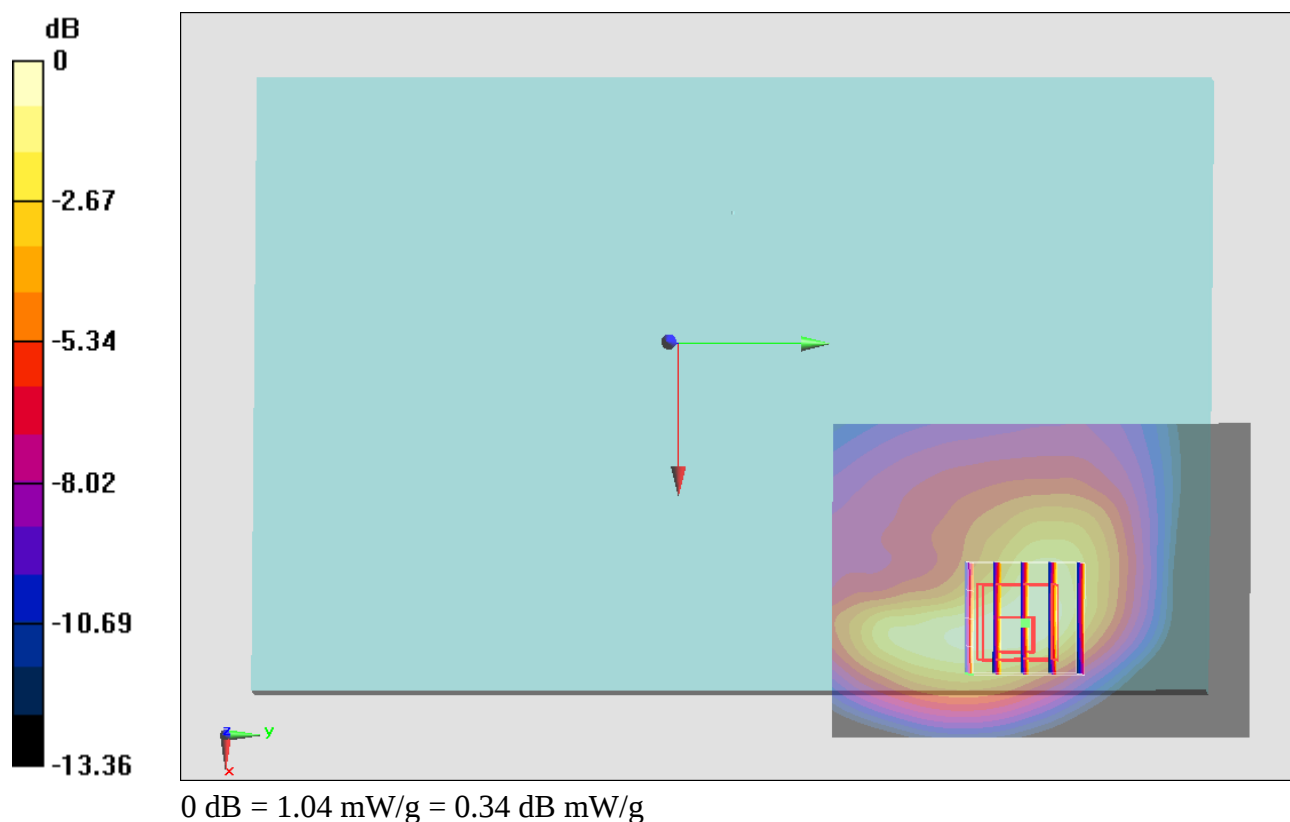
Configuration/Ch23780/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 38.634 V/m ; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 1.694 mW/g

SAR(1 g) = 0.945 mW/g ; SAR(10 g) = 0.553 mW/g

Maximum value of SAR (measured) = 1.04 mW/g



#305_ LTE Band 17_10M_QPSK 25RB 0offset_Bottom Face_0cm_Ch23790;Curve**DUT: 12-4-138**

Communication System: LTE; Frequency: 710 MHz; Duty Cycle: 1:1

Medium: MSL_750_130116 Medium parameters used: $f = 710$ MHz; $\sigma = 0.927$ mho/m; $\epsilon_r = 55.135$; $\rho =$

1000 kg/m^3

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

DASY5 Configuration:

- Probe: ET3DV6 - SN1787; ConvF(6.2, 6.2, 6.2); Calibrated: 2012/5/29;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn495; Calibrated: 2012/4/23
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP:1127
- Measurement SW: DASY52, Version 52.8 (3); SEMCAD X Version 14.6.5 (6469)

Configuration/Ch23790/Area Scan (61x81x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$
Maximum value of SAR (interpolated) = 1.11 mW/g

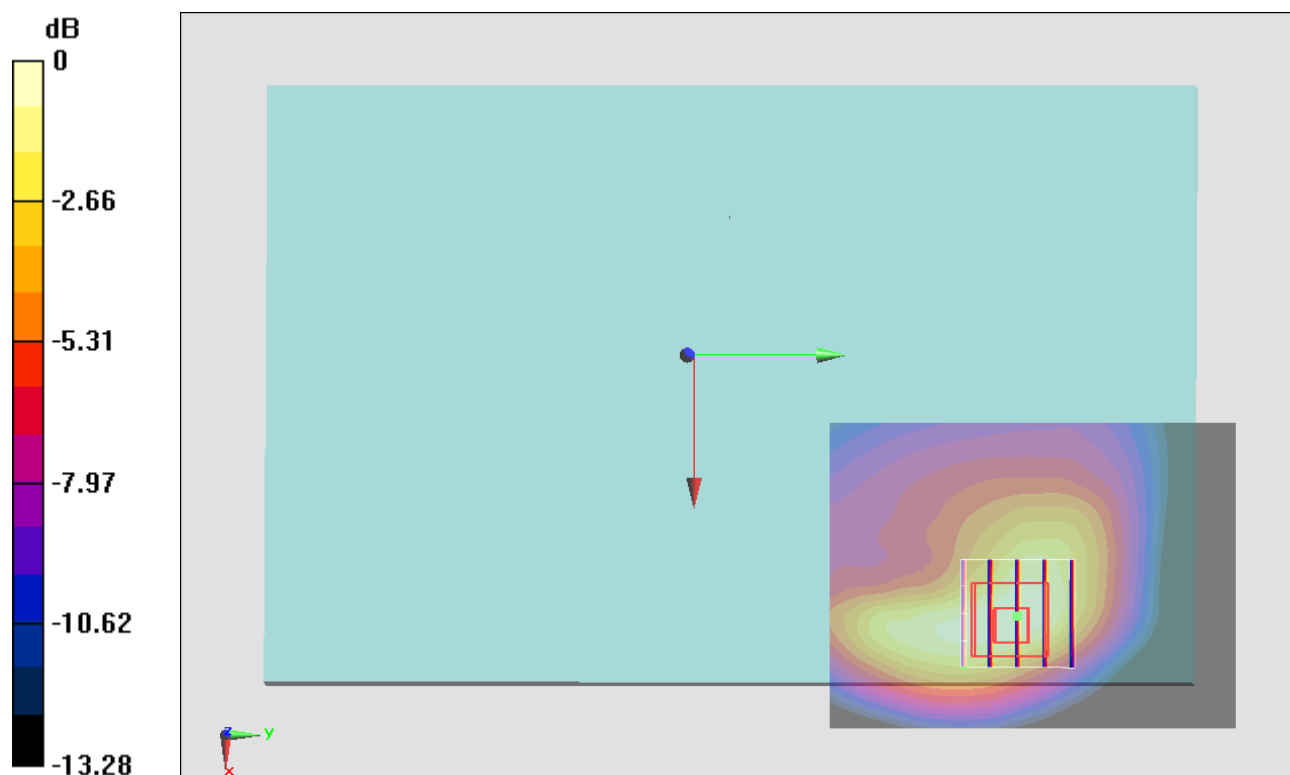
Configuration/Ch23790/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 39.422 V/m ; Power Drift = -0.10 dB

Peak SAR (extrapolated) = 1.832 mW/g

SAR(1 g) = 0.988 mW/g ; SAR(10 g) = 0.570 mW/g

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



#306_LTE Band 17_10M_QPSK 50RB 0offset_Bottom Face_0cm_Ch23800;Curve**DUT: 12-4-138**

Communication System: LTE; Frequency: 711 MHz; Duty Cycle: 1:1

Medium: MSL_750_130116 Medium parameters used: $f = 711$ MHz; $\sigma = 0.928$ mho/m; $\epsilon_r = 55.126$; $\rho =$

1000 kg/m^3

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

DASY5 Configuration:

- Probe: ET3DV6 - SN1787; ConvF(6.2, 6.2, 6.2); Calibrated: 2012/5/29;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn495; Calibrated: 2012/4/23
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP:1127
- Measurement SW: DASY52, Version 52.8 (3); SEMCAD X Version 14.6.5 (6469)

Configuration/Ch23800/Area Scan (61x81x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Maximum value of SAR (interpolated) = 1.11 mW/g

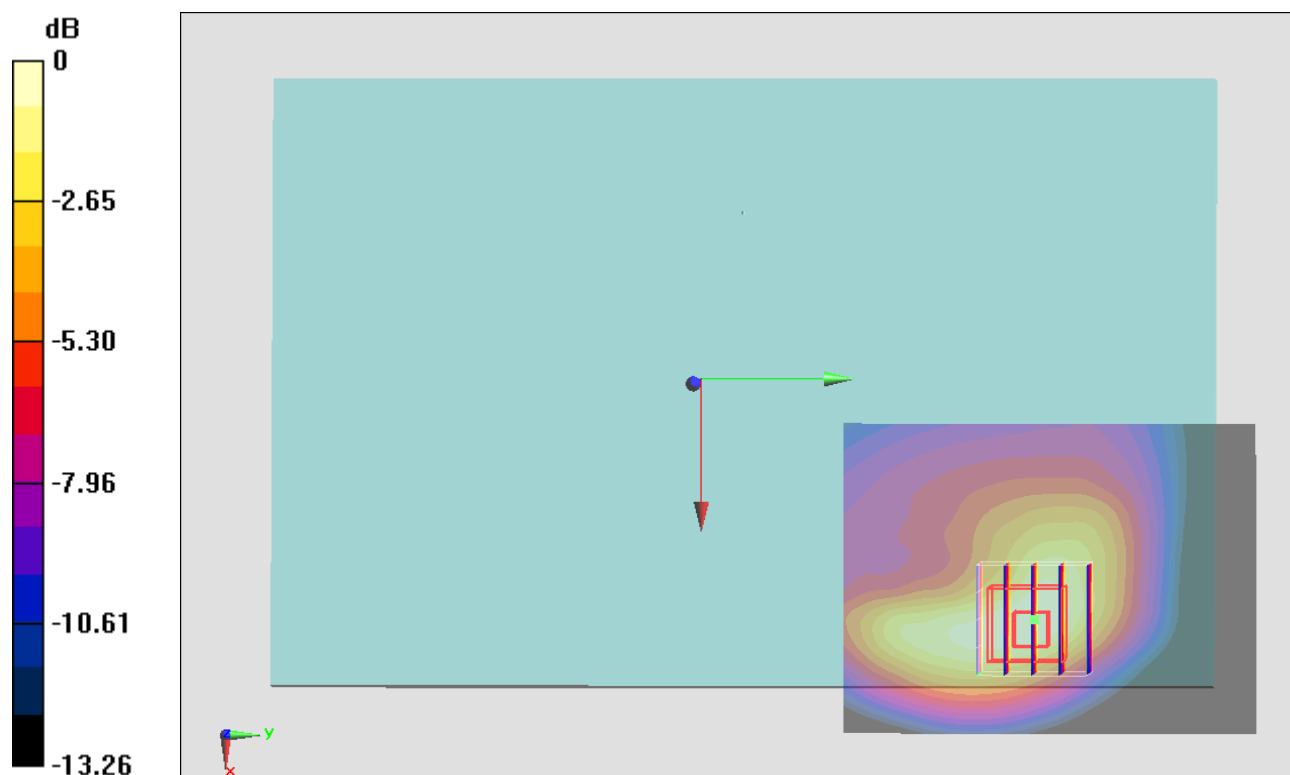
Configuration/Ch23800/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 39.377 V/m ; Power Drift = -0.07 dB

Peak SAR (extrapolated) = 1.783 mW/g

SAR(1 g) = 0.979 mW/g ; SAR(10 g) = 0.566 mW/g

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



0 dB = 1.06 mW/g = 0.51 dB mW/g

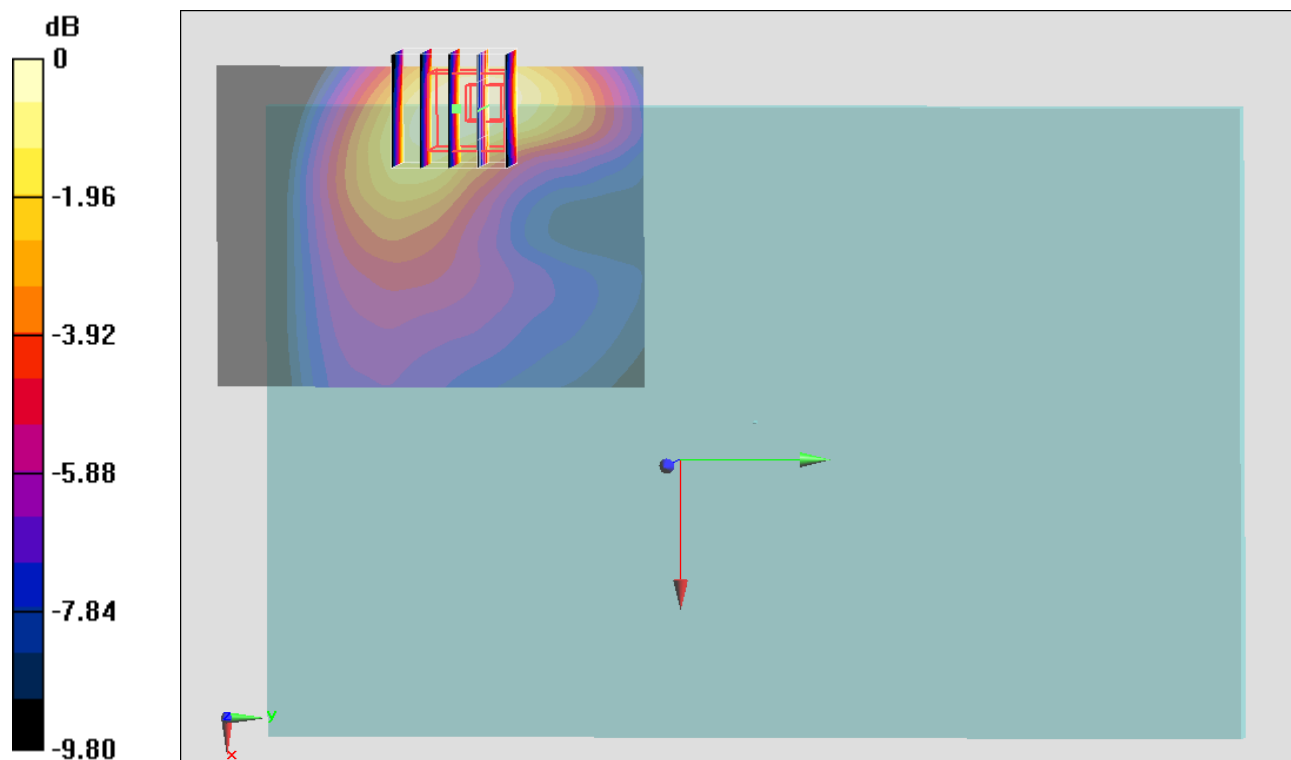
#424_LTE Band 5_10M_QPSK 1RB 24offset_Bottom Face_1cm_Ch20600**DUT: 311703**

Communication System: LTE; Frequency: 844 MHz; Duty Cycle: 1:1

Medium: MSL_850_130220 Medium parameters used: $f = 844$ MHz; $\sigma = 0.962$ mho/m; $\epsilon_r = 52.519$; $\rho =$ 1000 kg/m^3 Ambient Temperature : 22.7°C ; Liquid Temperature : 21.7°C

DASY5 Configuration:

- Probe: ET3DV6 - SN1787; ConvF(6.08, 6.08, 6.08); Calibrated: 2012/5/29;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn495; Calibrated: 2012/4/23
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP:1127
- Measurement SW: DASY52, Version 52.8 (3); SEMCAD X Version 14.6.5 (6469)

Configuration/Ch20600/Area Scan (61x81x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$
Maximum value of SAR (interpolated) = 0.542 mW/g **Configuration/Ch20600/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$ Reference Value = 23.962 V/m ; Power Drift = 0.01 dB Peak SAR (extrapolated) = 0.718 mW/g **SAR(1 g) = 0.475 mW/g ; SAR(10 g) = 0.303 mW/g** Maximum value of SAR (measured) = 0.519 mW/g 

#429_LTE Band 5_10M_QPSK 25RB 12offset_Bottom Face_1cm_Ch20600**DUT: 311703**

Communication System: LTE; Frequency: 844 MHz; Duty Cycle: 1:1

Medium: MSL_850_130220 Medium parameters used: $f = 844$ MHz; $\sigma = 0.962$ mho/m; $\epsilon_r = 52.519$; $\rho =$

1000 kg/m³

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

DASY5 Configuration:

- Probe: ET3DV6 - SN1787; ConvF(6.08, 6.08, 6.08); Calibrated: 2012/5/29;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn495; Calibrated: 2012/4/23
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP:1127
- Measurement SW: DASY52, Version 52.8 (3); SEMCAD X Version 14.6.5 (6469)

Configuration/Ch20600/Area Scan (61x81x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.453 mW/g

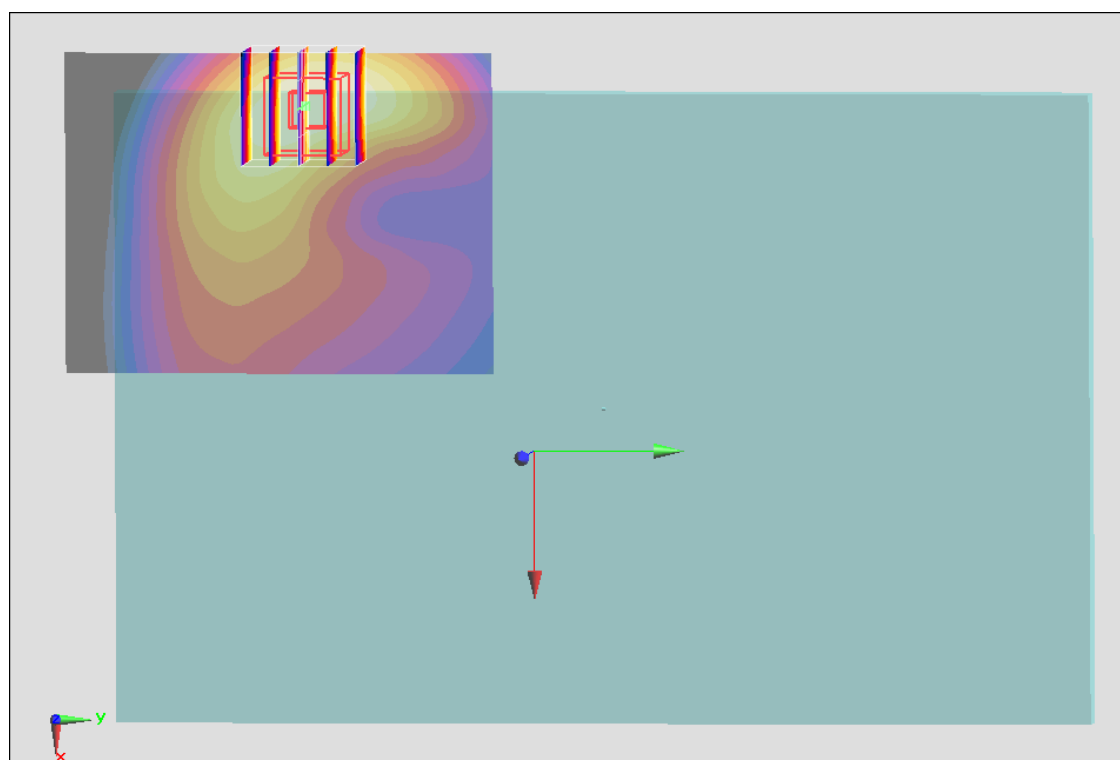
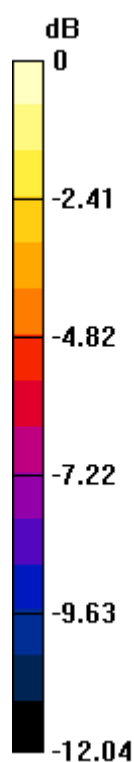
Configuration/Ch20600/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 21.459 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 0.592 mW/g

SAR(1 g) = 0.386 mW/g; SAR(10 g) = 0.247 mW/g

Maximum value of SAR (measured) = 0.416 mW/g



0 dB = 0.416 mW/g = -7.62 dB mW/g

#425_LTE Band 5_10M_QPSK 1RB 24offset_Edge3_0.8cm_Ch20600**DUT: 311703**

Communication System: LTE; Frequency: 844 MHz; Duty Cycle: 1:1

Medium: MSL_850_130220 Medium parameters used: $f = 844$ MHz; $\sigma = 0.962$ mho/m; $\epsilon_r = 52.519$; $\rho =$

1000 kg/m^3

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

DASY5 Configuration:

- Probe: ET3DV6 - SN1787; ConvF(6.08, 6.08, 6.08); Calibrated: 2012/5/29;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn495; Calibrated: 2012/4/23
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP:1127
- Measurement SW: DASY52, Version 52.8 (3); SEMCAD X Version 14.6.5 (6469)

Configuration/Ch20600/Area Scan (41x101x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$
Maximum value of SAR (interpolated) = 0.441 mW/g

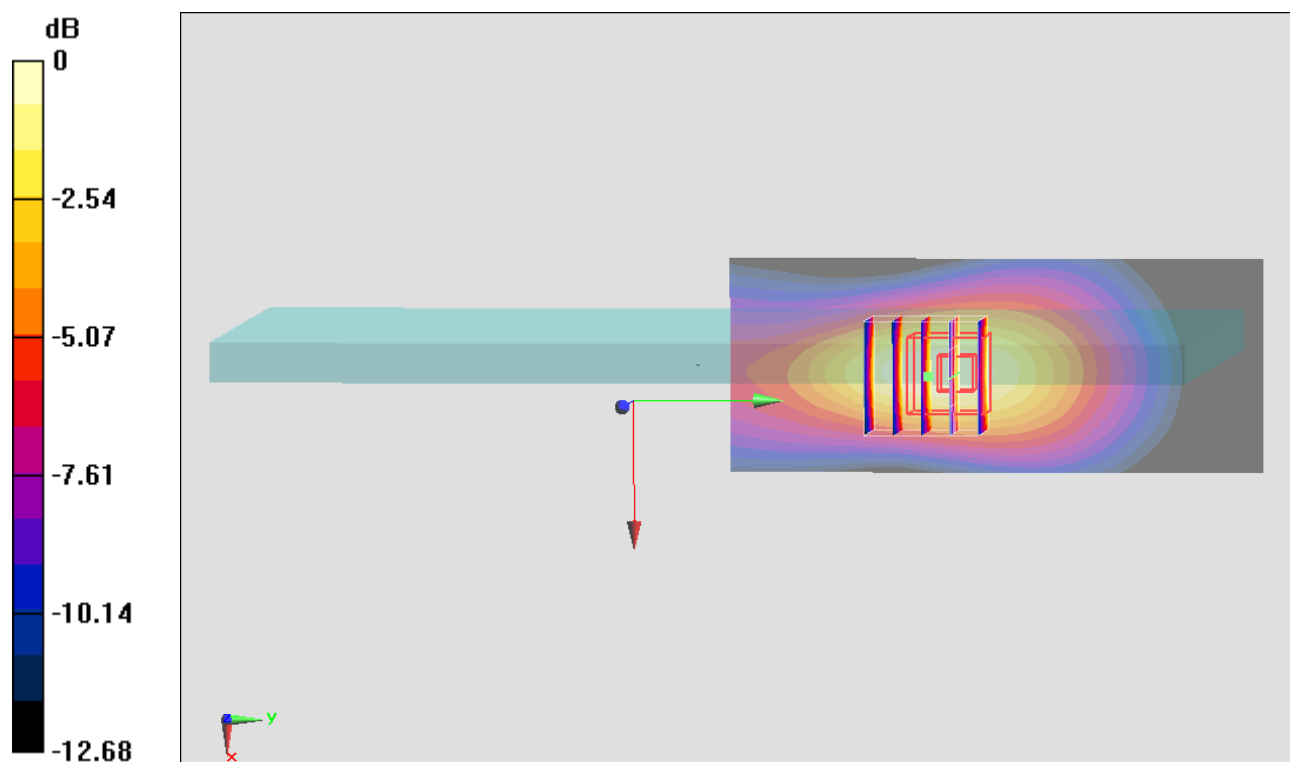
Configuration/Ch20600/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 21.560 V/m ; Power Drift = 0.19 dB

Peak SAR (extrapolated) = 0.611 mW/g

SAR(1 g) = 0.396 mW/g ; SAR(10 g) = 0.243 mW/g

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



0 dB = 0.434 mW/g = -7.25 dB mW/g

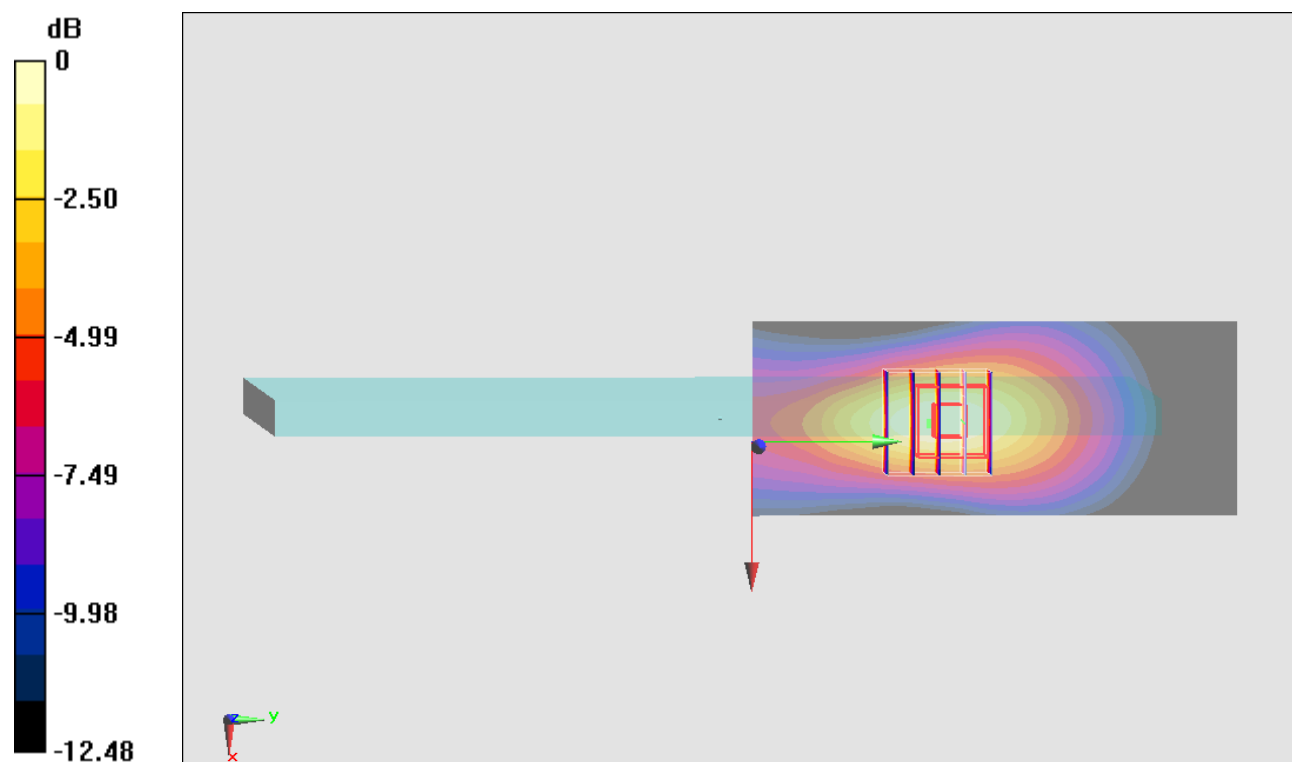
#428_LTE Band 5_10M_QPSK 25RB 12offset_Edge3_0.8cm_Ch20600**DUT: 311703**

Communication System: LTE; Frequency: 844 MHz; Duty Cycle: 1:1

Medium: MSL_850_130220 Medium parameters used: $f = 844$ MHz; $\sigma = 0.962$ mho/m; $\epsilon_r = 52.519$; $\rho =$ 1000 kg/m^3 Ambient Temperature : 22.7°C ; Liquid Temperature : 21.7°C

DASY5 Configuration:

- Probe: ET3DV6 - SN1787; ConvF(6.08, 6.08, 6.08); Calibrated: 2012/5/29;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn495; Calibrated: 2012/4/23
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP:1127
- Measurement SW: DASY52, Version 52.8 (3); SEMCAD X Version 14.6.5 (6469)

Configuration/Ch20600/Area Scan (41x101x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$ Maximum value of SAR (interpolated) = 0.336 mW/g **Configuration/Ch20600/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$ Reference Value = 19.384 V/m ; Power Drift = -0.10 dB Peak SAR (extrapolated) = 0.473 mW/g **SAR(1 g) = 0.308 mW/g ; SAR(10 g) = 0.189 mW/g** Maximum value of SAR (measured) = 0.334 mW/g 

#426_LTE Band 5_10M_QPSK 1RB 24offset_Edge4_0cm_Ch20600**DUT: 311703**

Communication System: LTE; Frequency: 844 MHz; Duty Cycle: 1:1

Medium: MSL_850_130220 Medium parameters used: $f = 844$ MHz; $\sigma = 0.962$ mho/m; $\epsilon_r = 52.519$; $\rho =$

1000 kg/m^3

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

DASY5 Configuration:

- Probe: ET3DV6 - SN1787; ConvF(6.08, 6.08, 6.08); Calibrated: 2012/5/29;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn495; Calibrated: 2012/4/23
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP:1127
- Measurement SW: DASY52, Version 52.8 (3); SEMCAD X Version 14.6.5 (6469)

Configuration/Ch20600/Area Scan (31x141x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$
Maximum value of SAR (interpolated) = 0.162 mW/g

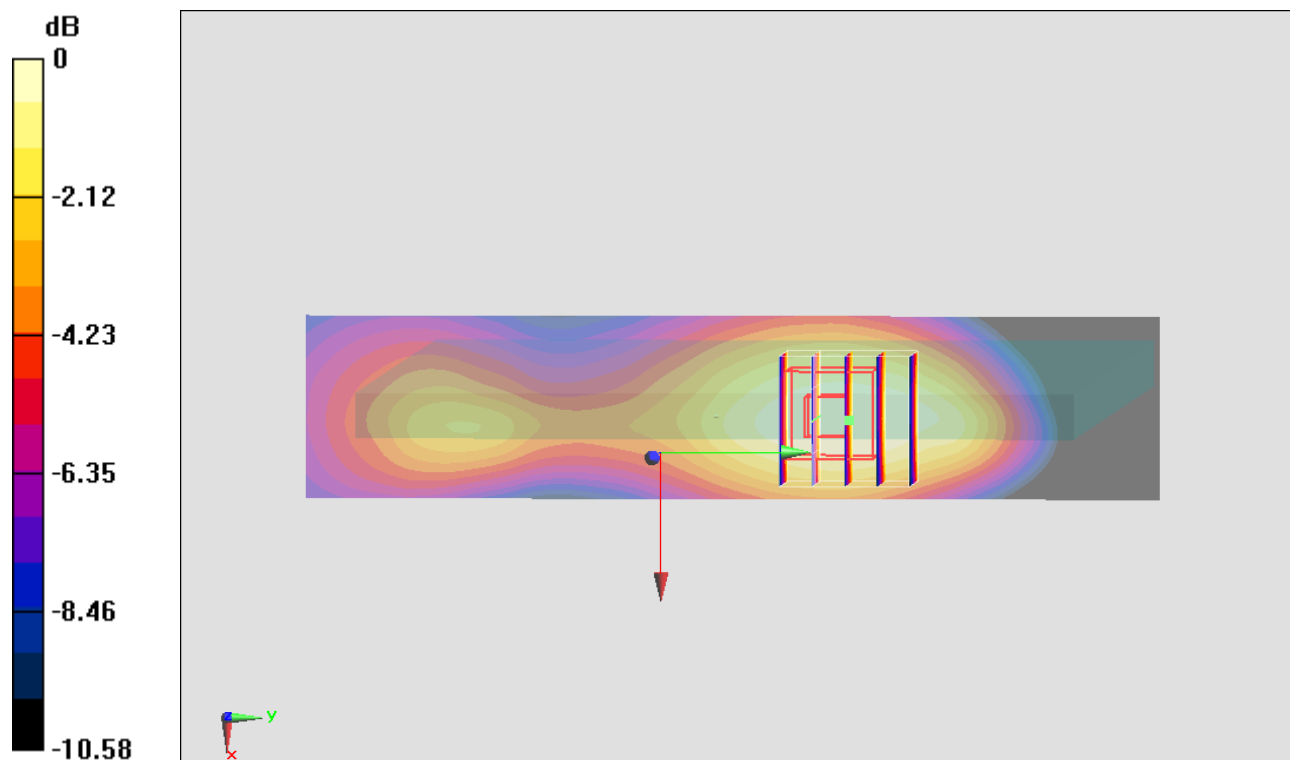
Configuration/Ch20600/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 12.844 V/m ; Power Drift = 0.12 dB

Peak SAR (extrapolated) = 0.201 mW/g

SAR(1 g) = 0.142 mW/g ; SAR(10 g) = 0.096 mW/g

Maximum value of SAR (measured) = 0.154 mW/g



#427_LTE Band 5_10M_QPSK 25RB 12offset_Edge4_0cm_Ch20600**DUT: 311703**

Communication System: LTE; Frequency: 844 MHz; Duty Cycle: 1:1

Medium: MSL_850_130220 Medium parameters used: $f = 844$ MHz; $\sigma = 0.962$ mho/m; $\epsilon_r = 52.519$; $\rho =$

1000 kg/m^3

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

DASY5 Configuration:

- Probe: ET3DV6 - SN1787; ConvF(6.08, 6.08, 6.08); Calibrated: 2012/5/29;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn495; Calibrated: 2012/4/23
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP:1127
- Measurement SW: DASY52, Version 52.8 (3); SEMCAD X Version 14.6.5 (6469)

Configuration/Ch20600/Area Scan (31x141x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$
Maximum value of SAR (interpolated) = 0.122 mW/g

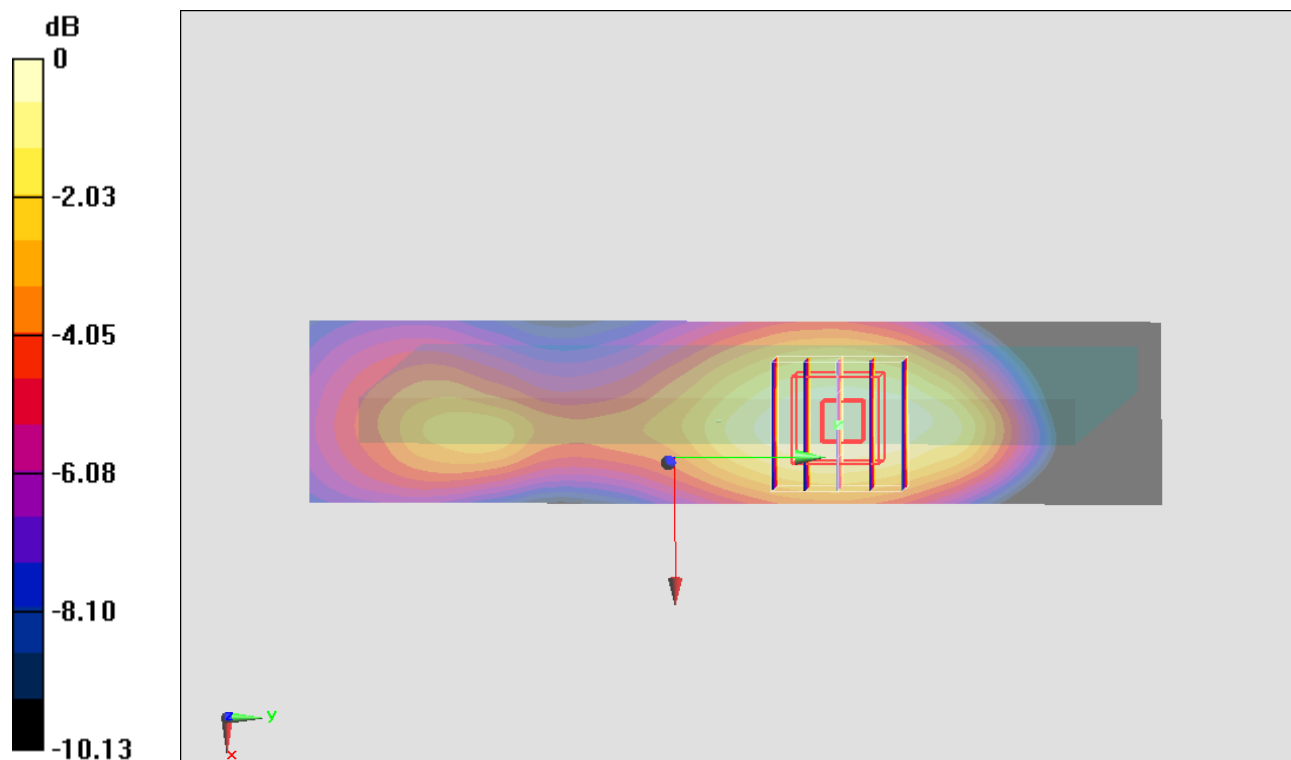
Configuration/Ch20600/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 11.473 V/m ; Power Drift = 0.05 dB

Peak SAR (extrapolated) = 0.156 mW/g

SAR(1 g) = 0.110 mW/g ; SAR(10 g) = 0.074 mW/g

Maximum value of SAR (measured) = 0.117 mW/g



0 dB = 0.117 mW/g = -18.64 dB mW/g

#430_LTE Band 5_10M_QPSK 1RB 24offset_Bottom Face_0cm_Ch20525**DUT: 311703**

Communication System: LTE; Frequency: 836.5 MHz; Duty Cycle: 1:1

Medium: MSL_850_130220 Medium parameters used: $f = 836.5$ MHz; $\sigma = 0.955$ mho/m; $\epsilon_r = 52.595$; ρ

$= 1000$ kg/m³

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

DASY5 Configuration:

- Probe: ET3DV6 - SN1787; ConvF(6.08, 6.08, 6.08); Calibrated: 2012/5/29;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn495; Calibrated: 2012/4/23
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP:1127
- Measurement SW: DASY52, Version 52.8 (3); SEMCAD X Version 14.6.5 (6469)

Configuration/Ch20525/Area Scan (61x81x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 1.10 mW/g

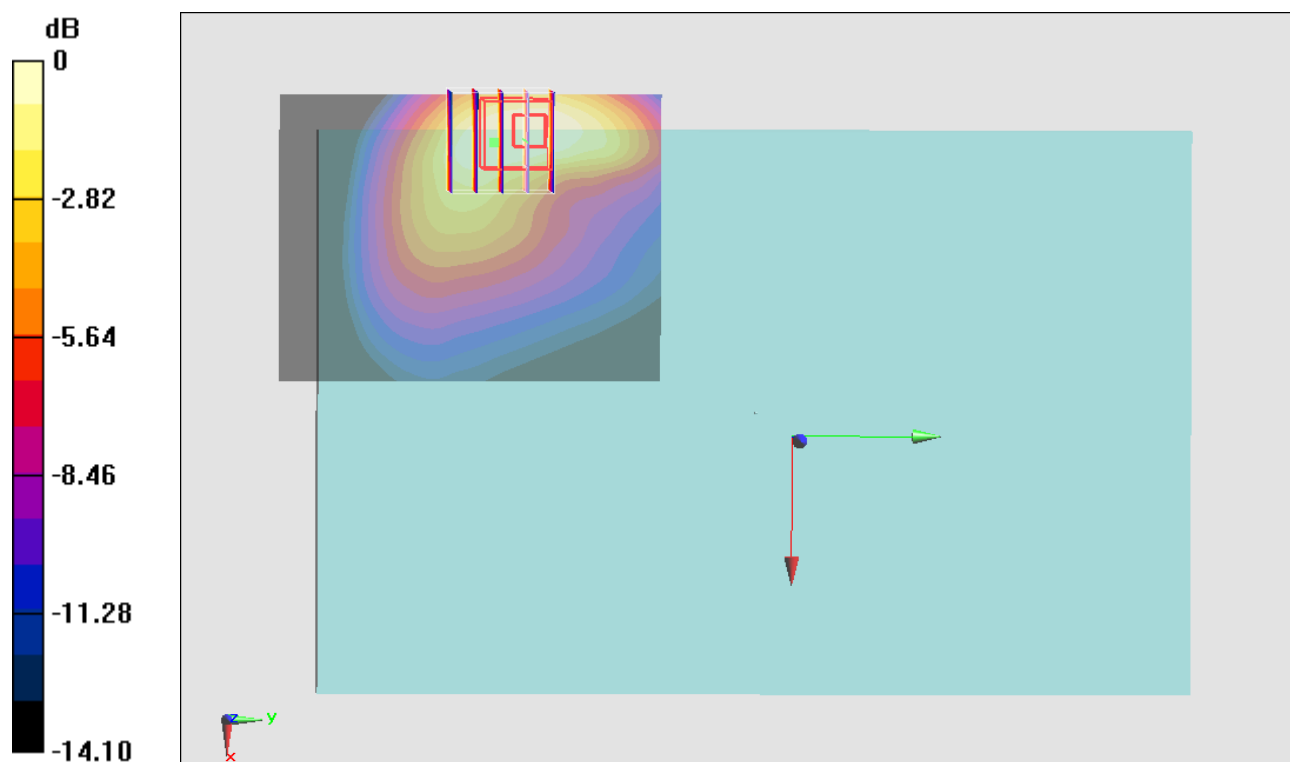
Configuration/Ch20525/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 32.103 V/m; Power Drift = 0.178 dB

Peak SAR (extrapolated) = 1.576 mW/g

SAR(1 g) = 0.897 mW/g; SAR(10 g) = 0.497 mW/g

Maximum value of SAR (measured) = 0.989 mW/g



#431_LTE Band 5_10M_QPSK 1RB 24offset_Bottom Face_0cm_Ch20450**DUT: 311703**

Communication System: LTE; Frequency: 829 MHz; Duty Cycle: 1:1

Medium: MSL_850_130220 Medium parameters used: $f = 829$ MHz; $\sigma = 0.947$ mho/m; $\epsilon_r = 52.664$; $\rho =$

1000 kg/m^3

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

DASY5 Configuration:

- Probe: ET3DV6 - SN1787; ConvF(6.08, 6.08, 6.08); Calibrated: 2012/5/29;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn495; Calibrated: 2012/4/23
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP:1127
- Measurement SW: DASY52, Version 52.8 (3); SEMCAD X Version 14.6.5 (6469)

Configuration/Ch20450/Area Scan (61x81x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$
Maximum value of SAR (interpolated) = 1.03 mW/g

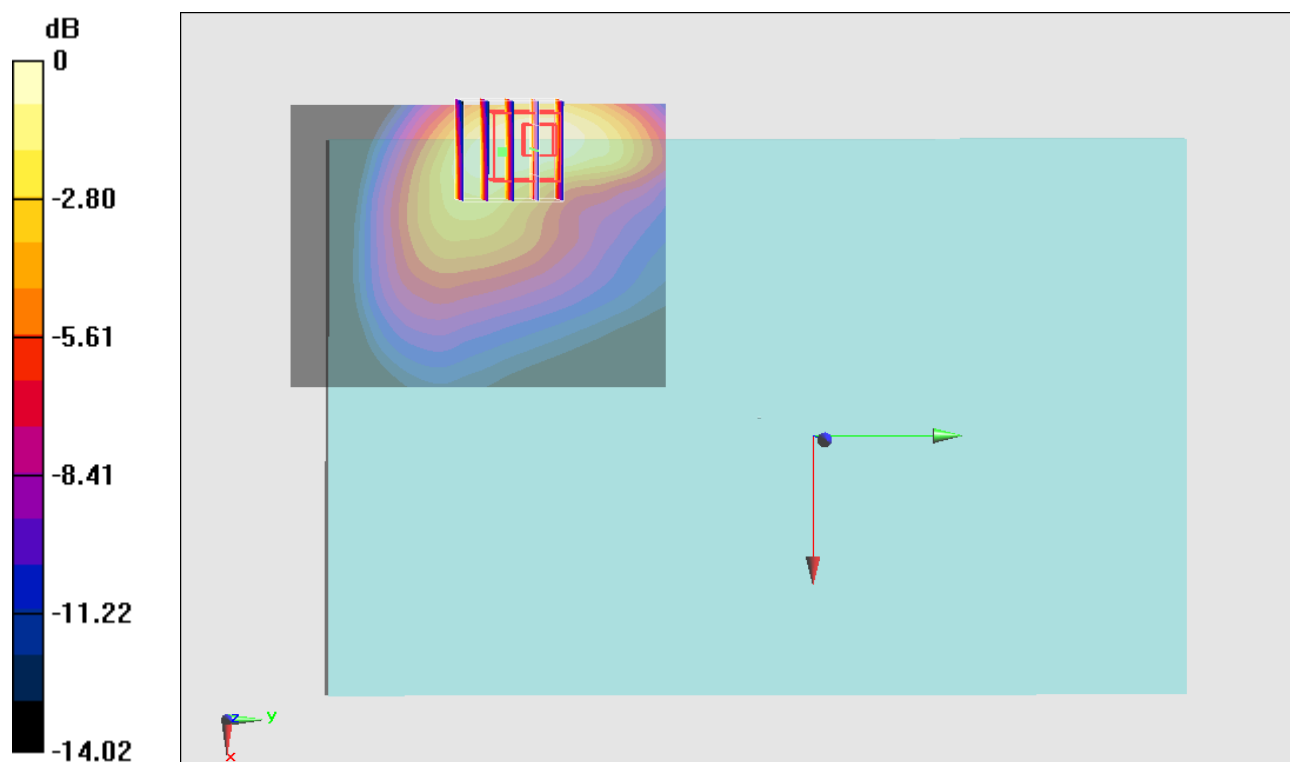
Configuration/Ch20450/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 32.167 V/m ; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 1.499 mW/g

SAR(1 g) = 0.870 mW/g ; SAR(10 g) = 0.490 mW/g

Maximum value of SAR (measured) = 0.960 mW/g



#432_LTE Band 5_10M_QPSK 1RB 24offset_Bottom Face_0cm_Ch20600**DUT: 311703**

Communication System: LTE; Frequency: 844 MHz; Duty Cycle: 1:1

Medium: MSL_850_130220 Medium parameters used: $f = 844$ MHz; $\sigma = 0.962$ mho/m; $\epsilon_r = 52.519$; $\rho =$

1000 kg/m^3

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

DASY5 Configuration:

- Probe: ET3DV6 - SN1787; ConvF(6.08, 6.08, 6.08); Calibrated: 2012/5/29;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn495; Calibrated: 2012/4/23
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP:1127
- Measurement SW: DASY52, Version 52.8 (3); SEMCAD X Version 14.6.5 (6469)

Configuration/Ch20600/Area Scan (61x81x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$
Maximum value of SAR (interpolated) = 1.09 mW/g

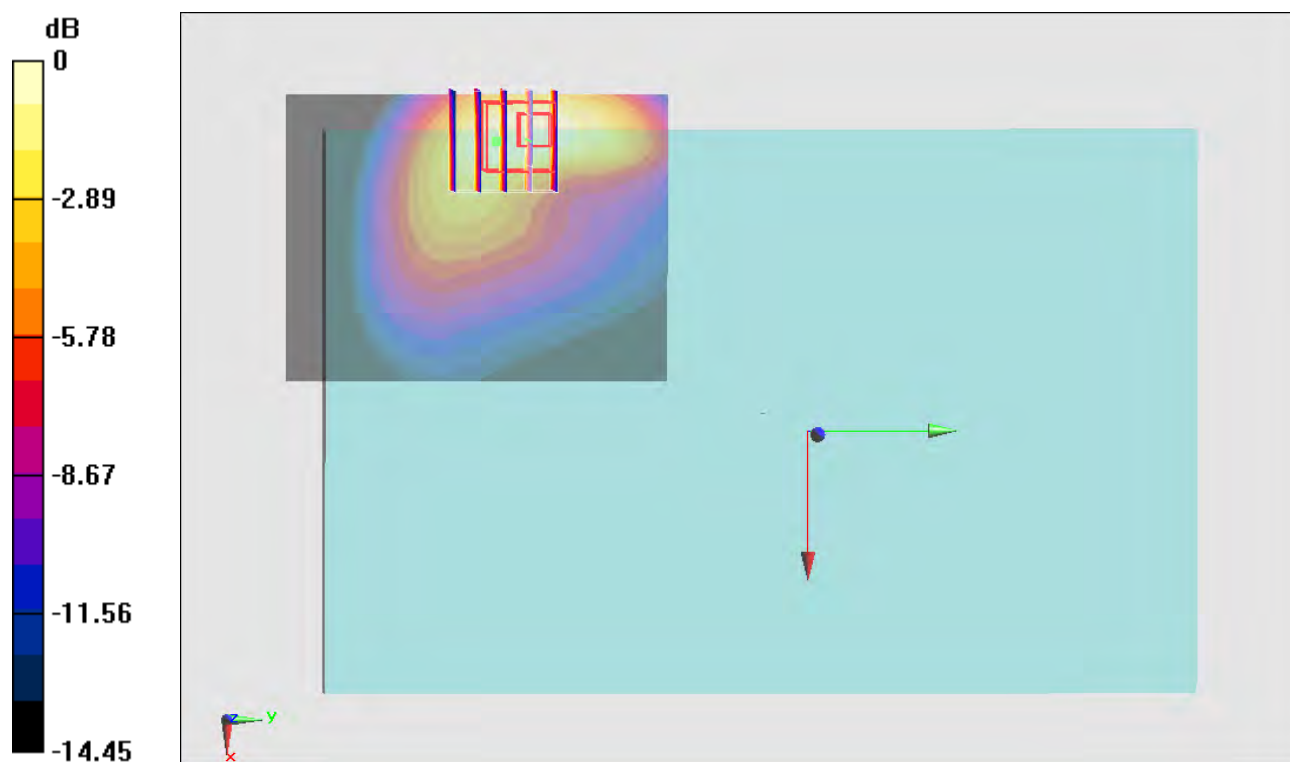
Configuration/Ch20600/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 32.223 V/m ; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 1.664 mW/g

SAR(1 g) = 0.935 mW/g ; SAR(10 g) = 0.514 mW/g

Maximum value of SAR (measured) = 1.04 mW/g



#433_LTE Band 5_10M_QPSK 25RB 0offset_Bottom Face_0cm_Ch20525**DUT: 311703**

Communication System: LTE; Frequency: 836.5 MHz; Duty Cycle: 1:1

Medium: MSL_850_130220 Medium parameters used: $f = 836.5$ MHz; $\sigma = 0.955$ mho/m; $\epsilon_r = 52.595$; ρ

$= 1000$ kg/m³

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

DASY5 Configuration:

- Probe: ET3DV6 - SN1787; ConvF(6.08, 6.08, 6.08); Calibrated: 2012/5/29;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn495; Calibrated: 2012/4/23
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP:1127
- Measurement SW: DASY52, Version 52.8 (3); SEMCAD X Version 14.6.5 (6469)

Configuration/Ch20525/Area Scan (61x81x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 1.04 mW/g

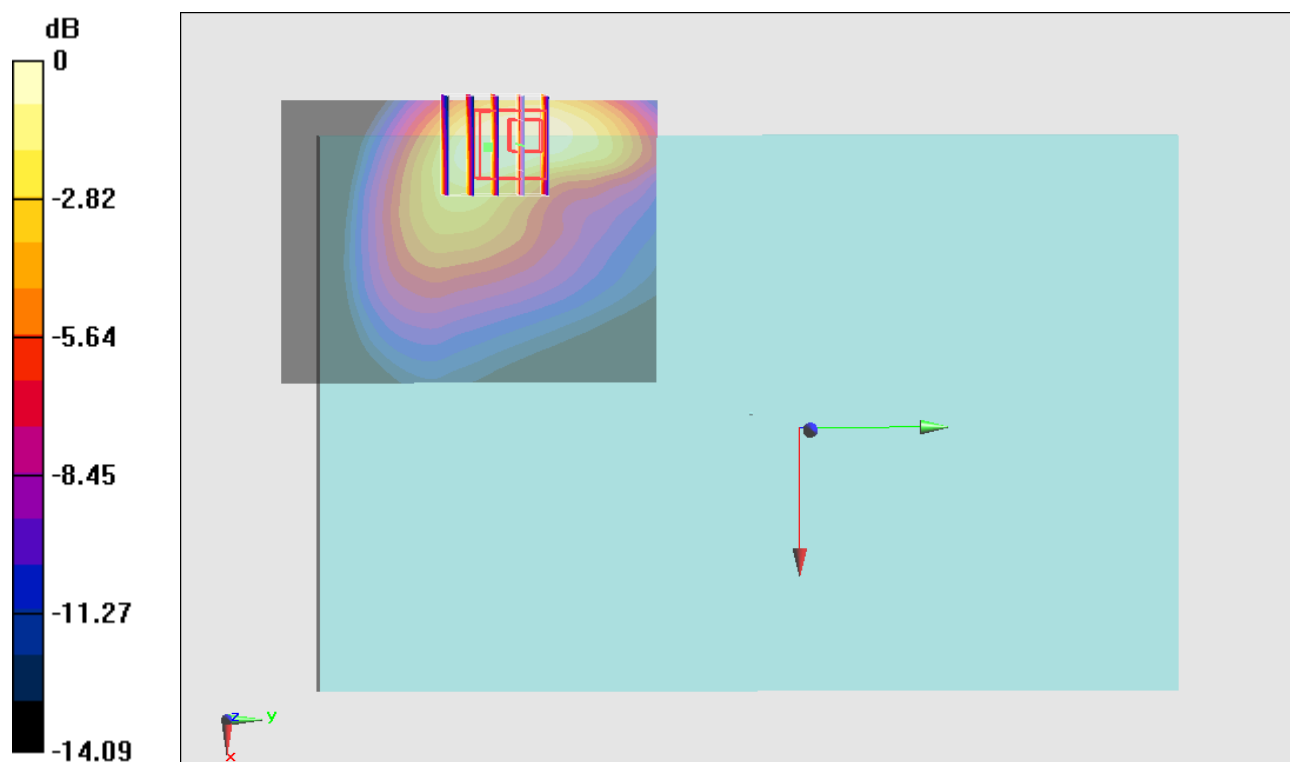
Configuration/Ch20525/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 31.449 V/m; Power Drift = 0.11 dB

Peak SAR (extrapolated) = 1.585 mW/g

SAR(1 g) = 0.879 mW/g; SAR(10 g) = 0.490 mW/g

Maximum value of SAR (measured) = 0.954 mW/g



0 dB = 0.954 mW/g = -0.41 dB mW/g

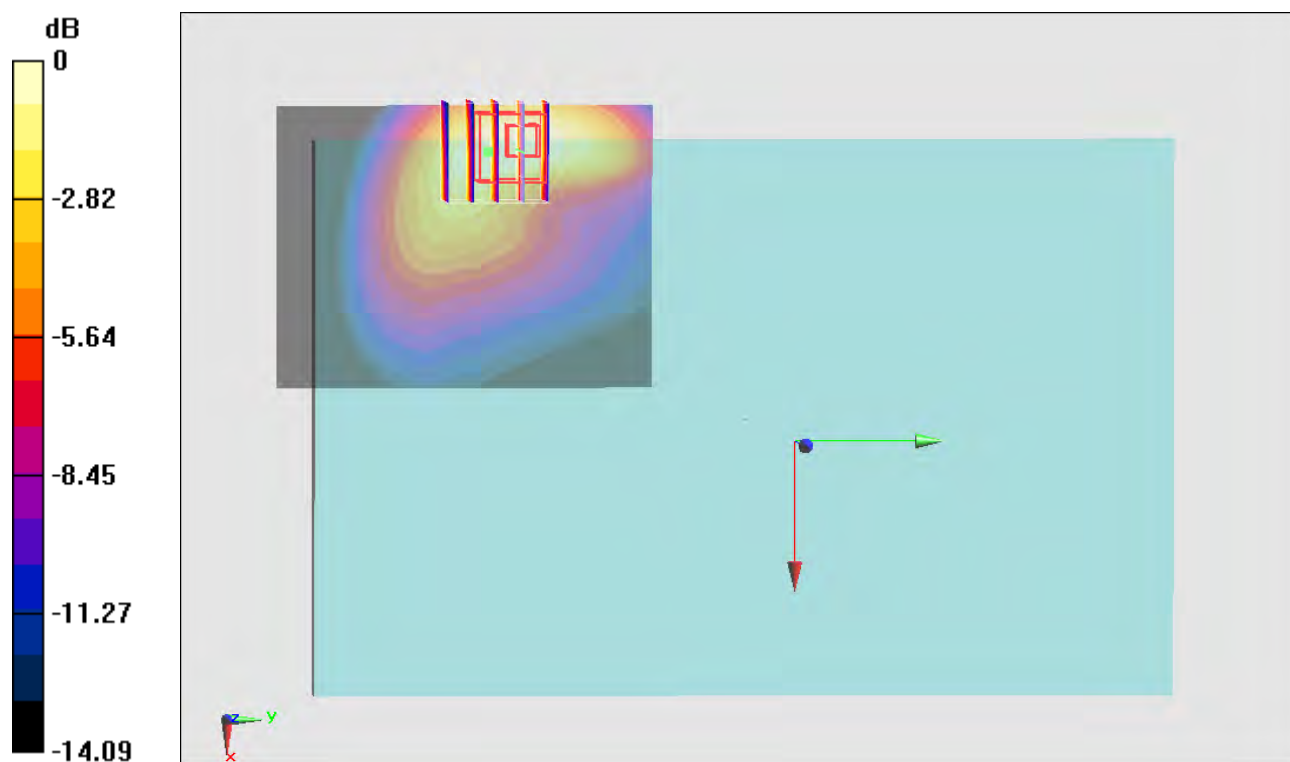
#434_LTE Band 5_10M_QPSK 25RB 0offset_Bottom Face_0cm_Ch20450**DUT: 311703**

Communication System: LTE; Frequency: 829 MHz; Duty Cycle: 1:1

Medium: MSL_850_130220 Medium parameters used: $f = 829$ MHz; $\sigma = 0.947$ mho/m; $\epsilon_r = 52.664$; $\rho =$ 1000 kg/m^3 Ambient Temperature : 22.7°C ; Liquid Temperature : 21.7°C

DASY5 Configuration:

- Probe: ET3DV6 - SN1787; ConvF(6.08, 6.08, 6.08); Calibrated: 2012/5/29;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn495; Calibrated: 2012/4/23
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP:1127
- Measurement SW: DASY52, Version 52.8 (3); SEMCAD X Version 14.6.5 (6469)

Configuration/Ch20450/Area Scan (61x81x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$
Maximum value of SAR (interpolated) = 1.01 mW/g **Configuration/Ch20450/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$ Reference Value = 32.340 V/m ; Power Drift = -0.01 dB Peak SAR (extrapolated) = 1.532 mW/g **SAR(1 g) = 0.868 mW/g ; SAR(10 g) = 0.486 mW/g** Maximum value of SAR (measured) = 0.956 mW/g 

#435_LTE Band 5_10M_QPSK 25RB 0offset_Bottom Face_0cm_Ch20600**DUT: 311703**

Communication System: LTE; Frequency: 844 MHz; Duty Cycle: 1:1

Medium: MSL_850_130220 Medium parameters used: $f = 844$ MHz; $\sigma = 0.962$ mho/m; $\epsilon_r = 52.519$; $\rho =$

1000 kg/m^3

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

DASY5 Configuration:

- Probe: ET3DV6 - SN1787; ConvF(6.08, 6.08, 6.08); Calibrated: 2012/5/29;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn495; Calibrated: 2012/4/23
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP:1127
- Measurement SW: DASY52, Version 52.8 (3); SEMCAD X Version 14.6.5 (6469)

Configuration/Ch20600/Area Scan (61x81x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$
Maximum value of SAR (interpolated) = 1.04 mW/g

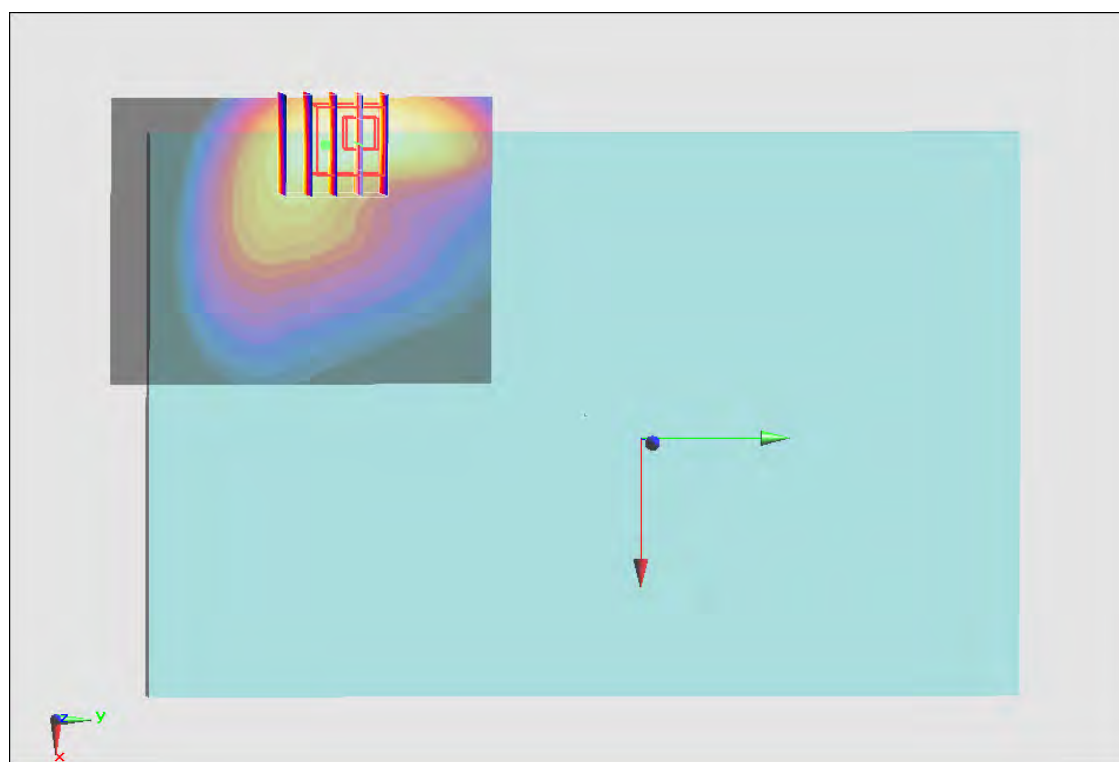
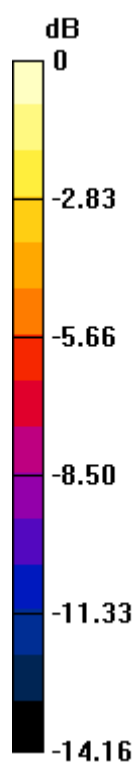
Configuration/Ch20600/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 32.121 V/m ; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 1.571 mW/g

SAR(1 g) = 0.894 mW/g ; SAR(10 g) = 0.497 mW/g

Maximum value of SAR (measured) = 0.987 mW/g



0 dB = 0.987 mW/g = -0.11 dB mW/g

#436_LTE Band 5_10M_QPSK 50RB 0offset_Bottom Face_0cm_Ch20600**DUT: 311703**

Communication System: LTE; Frequency: 844 MHz; Duty Cycle: 1:1

Medium: MSL_850_130220 Medium parameters used: $f = 844$ MHz; $\sigma = 0.962$ mho/m; $\epsilon_r = 52.519$; $\rho =$

1000 kg/m^3

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

DASY5 Configuration:

- Probe: ET3DV6 - SN1787; ConvF(6.08, 6.08, 6.08); Calibrated: 2012/5/29;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn495; Calibrated: 2012/4/23
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP:1127
- Measurement SW: DASY52, Version 52.8 (3); SEMCAD X Version 14.6.5 (6469)

Configuration/Ch20600/Area Scan (61x81x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$
Maximum value of SAR (interpolated) = 1.04 mW/g

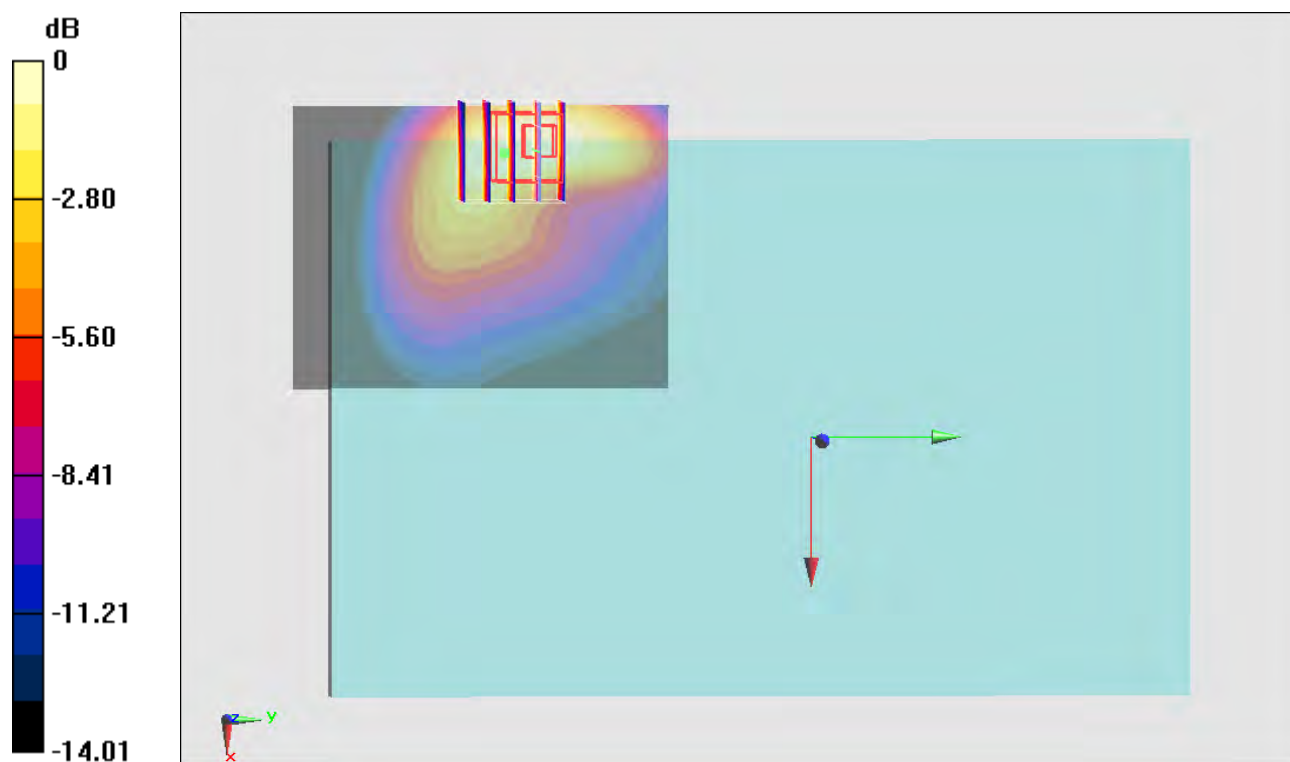
Configuration/Ch20600/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 32.029 V/m ; Power Drift = -0.120 dB

Peak SAR (extrapolated) = 1.578 mW/g

SAR(1 g) = 0.878 mW/g ; SAR(10 g) = 0.484 mW/g

Maximum value of SAR (measured) = 0.949 mW/g



#437_LTE Band 5_10M_QPSK 1RB 24offset_Edge3_0cm_Ch20525**DUT: 311703**

Communication System: LTE; Frequency: 836.5 MHz; Duty Cycle: 1:1

Medium: MSL_850_130220 Medium parameters used: $f = 836.5$ MHz; $\sigma = 0.955$ mho/m; $\epsilon_r = 52.595$; ρ

$= 1000$ kg/m³

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

DASY5 Configuration:

- Probe: ET3DV6 - SN1787; ConvF(6.08, 6.08, 6.08); Calibrated: 2012/5/29;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn495; Calibrated: 2012/4/23
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP:1127
- Measurement SW: DASY52, Version 52.8 (3); SEMCAD X Version 14.6.5 (6469)

Configuration/Ch20525/Area Scan (41x101x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.723 mW/g

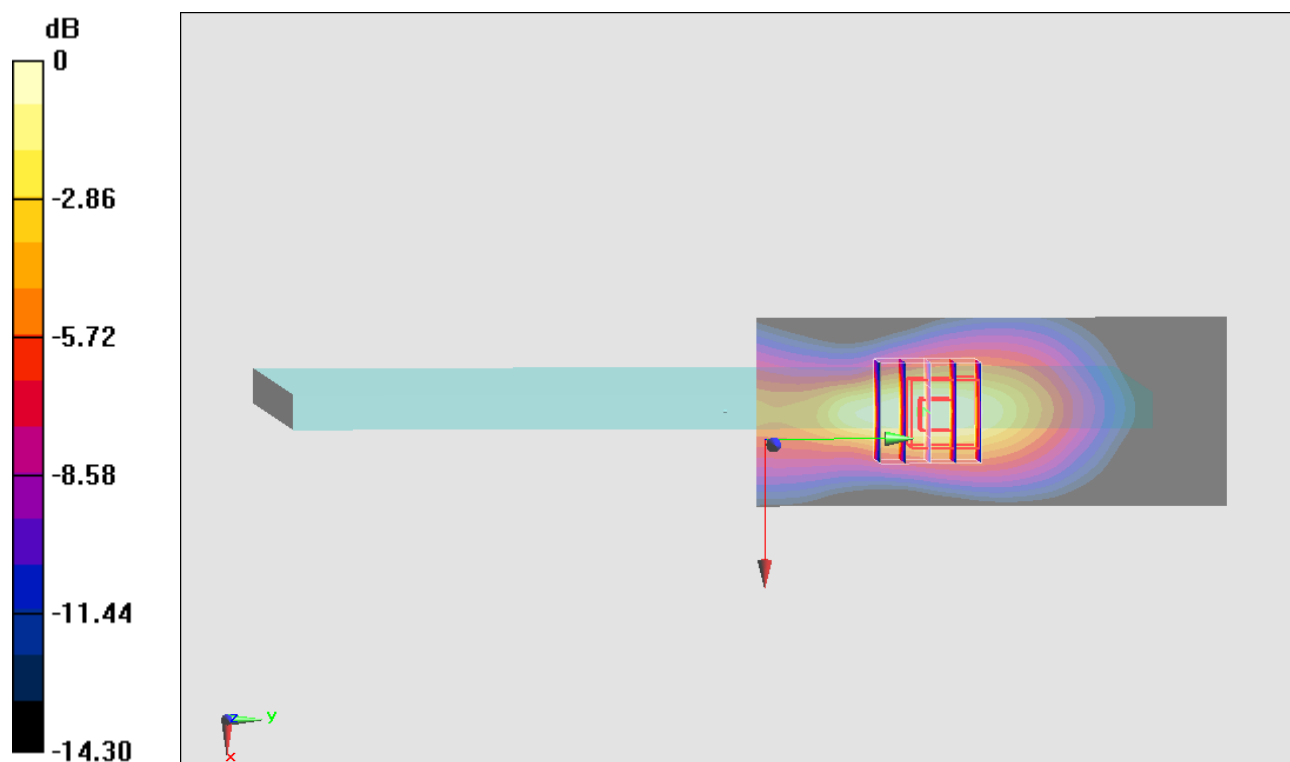
Configuration/Ch20525/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 27.907 V/m; Power Drift = -0.128 dB

Peak SAR (extrapolated) = 1.120 mW/g

SAR(1 g) = 0.601 mW/g; SAR(10 g) = 0.327 mW/g

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



#440_LTE Band 5_10M_QPSK 25RB 0offset_Edge3_0cm_Ch20525**DUT: 311703**

Communication System: LTE; Frequency: 836.5 MHz; Duty Cycle: 1:1

Medium: MSL_850_130220 Medium parameters used: $f = 836.5$ MHz; $\sigma = 0.955$ mho/m; $\epsilon_r = 52.595$; ρ

$= 1000$ kg/m³

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

DASY5 Configuration:

- Probe: ET3DV6 - SN1787; ConvF(6.08, 6.08, 6.08); Calibrated: 2012/5/29;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn495; Calibrated: 2012/4/23
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP:1127
- Measurement SW: DASY52, Version 52.8 (3); SEMCAD X Version 14.6.5 (6469)

Configuration/Ch20525/Area Scan (41x101x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.675 mW/g

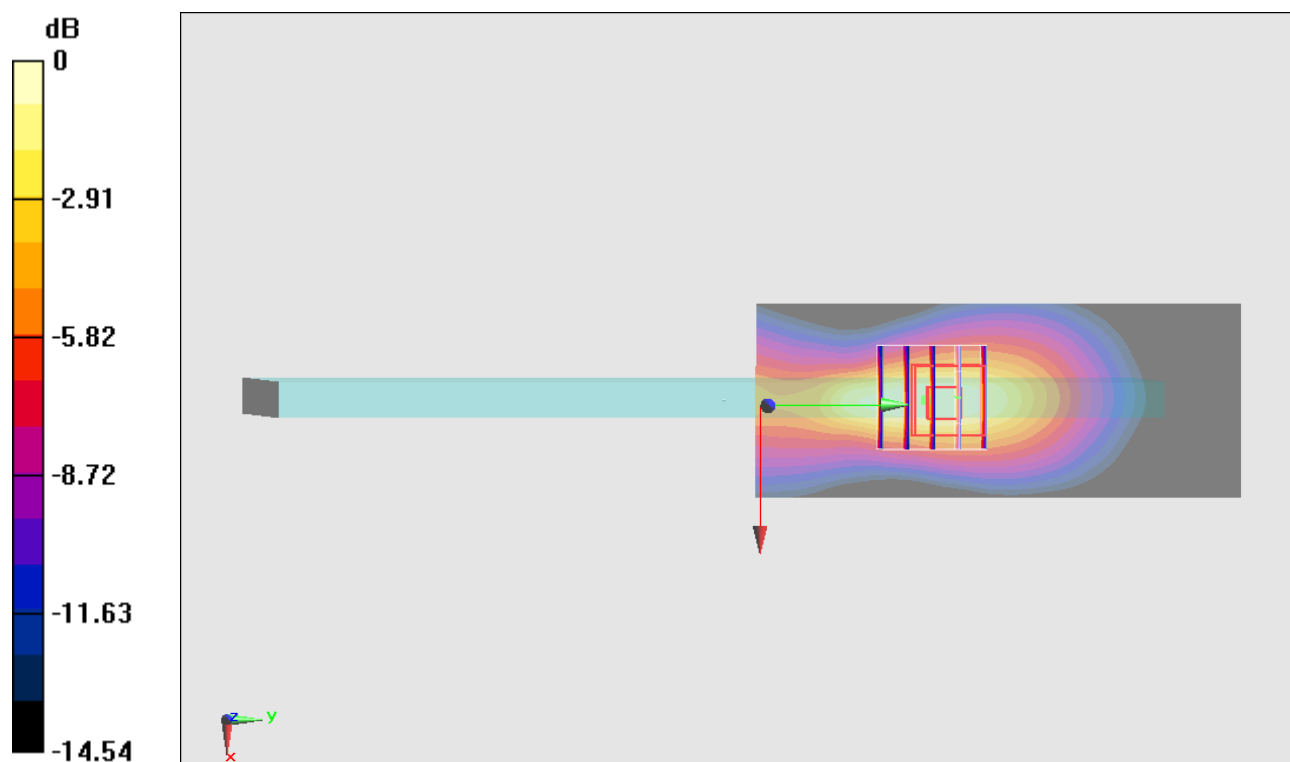
Configuration/Ch20525/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 27.019 V/m; Power Drift = -0.127 dB

Peak SAR (extrapolated) = 1.166 mW/g

SAR(1 g) = 0.575 mW/g; SAR(10 g) = 0.304 mW/g

Maximum value of SAR (measured) = 0.634 mW/g



0 dB = 0.634 mW/g = -3.96 dB mW/g

#444_ LTE Band 5_10M_QPSK 1RB 24offset_Curved surface of Edge3_0cm_Ch20525**DUT: 311703**

Communication System: LTE; Frequency: 836.5 MHz; Duty Cycle: 1:1

Medium: MSL_850_130220 Medium parameters used : $f = 836.5$ MHz; $\sigma = 0.955$ mho/m; $\epsilon_r = 52.595$; ρ

$= 1000$ kg/m³

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

DASY5 Configuration:

- Probe: ET3DV6 - SN1787; ConvF(6.08, 6.08, 6.08); Calibrated: 2012/5/29;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn495; Calibrated: 2012/4/23
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP:1127
- Measurement SW: DASY52, Version 52.8 (3); SEMCAD X Version 14.6.5 (6469)

Configuration/Ch20525/Area Scan (61x81x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 1.04 mW/g

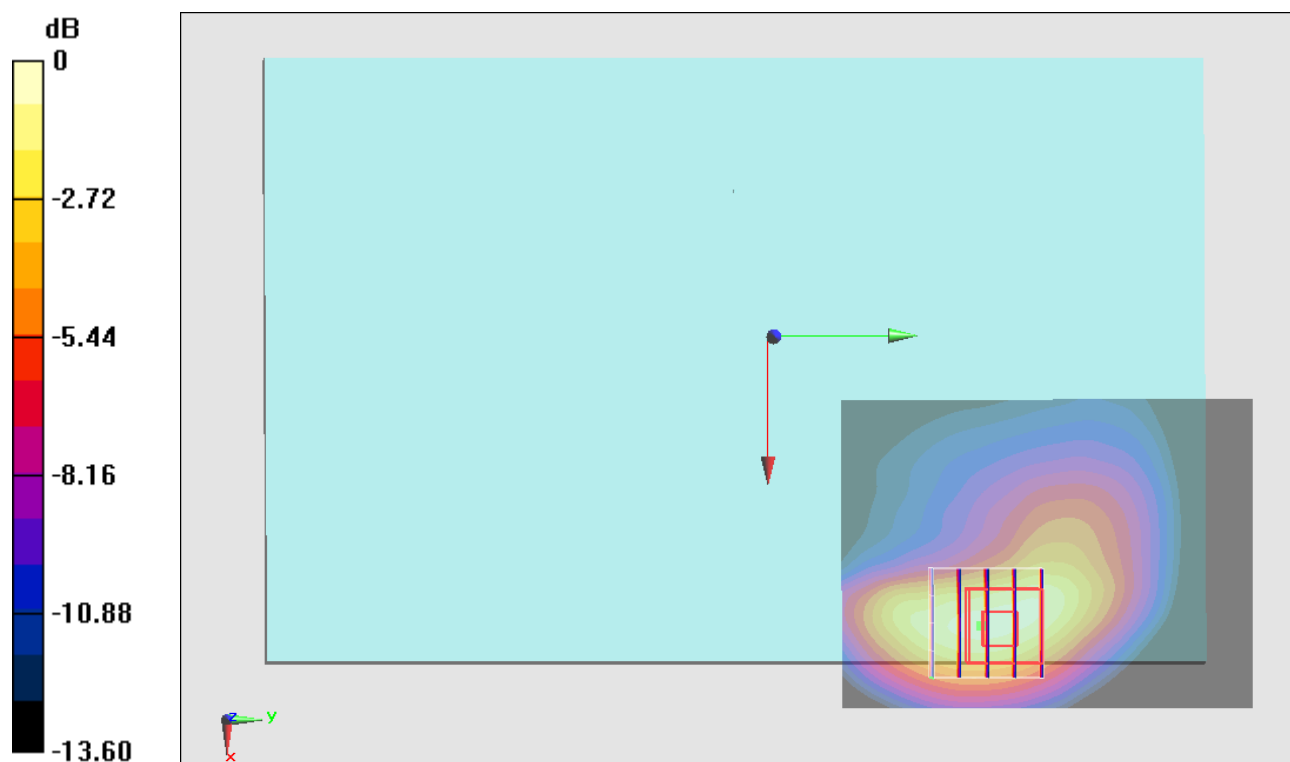
Configuration/Ch20525/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 37.488 V/m; Power Drift = -0.154 dB

Peak SAR (extrapolated) = 1.845 mW/g

SAR(1 g) = 1.04 mW/g; SAR(10 g) = 0.572 mW/g

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



#445_ LTE Band 5_10M_QPSK 1RB 24offset_Curved surface of Edge3_0cm_Ch20450**DUT: 311703**

Communication System: LTE; Frequency: 829 MHz; Duty Cycle: 1:1

Medium: MSL_850_130220 Medium parameters used: $f = 829$ MHz; $\sigma = 0.947$ mho/m; $\epsilon_r = 52.664$; $\rho =$

1000 kg/m^3

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

DASY5 Configuration:

- Probe: ET3DV6 - SN1787; ConvF(6.08, 6.08, 6.08); Calibrated: 2012/5/29;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn495; Calibrated: 2012/4/23
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP:1127
- Measurement SW: DASY52, Version 52.8 (3); SEMCAD X Version 14.6.5 (6469)

Configuration/Ch20450/Area Scan (61x81x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$
Maximum value of SAR (interpolated) = 1.01 mW/g

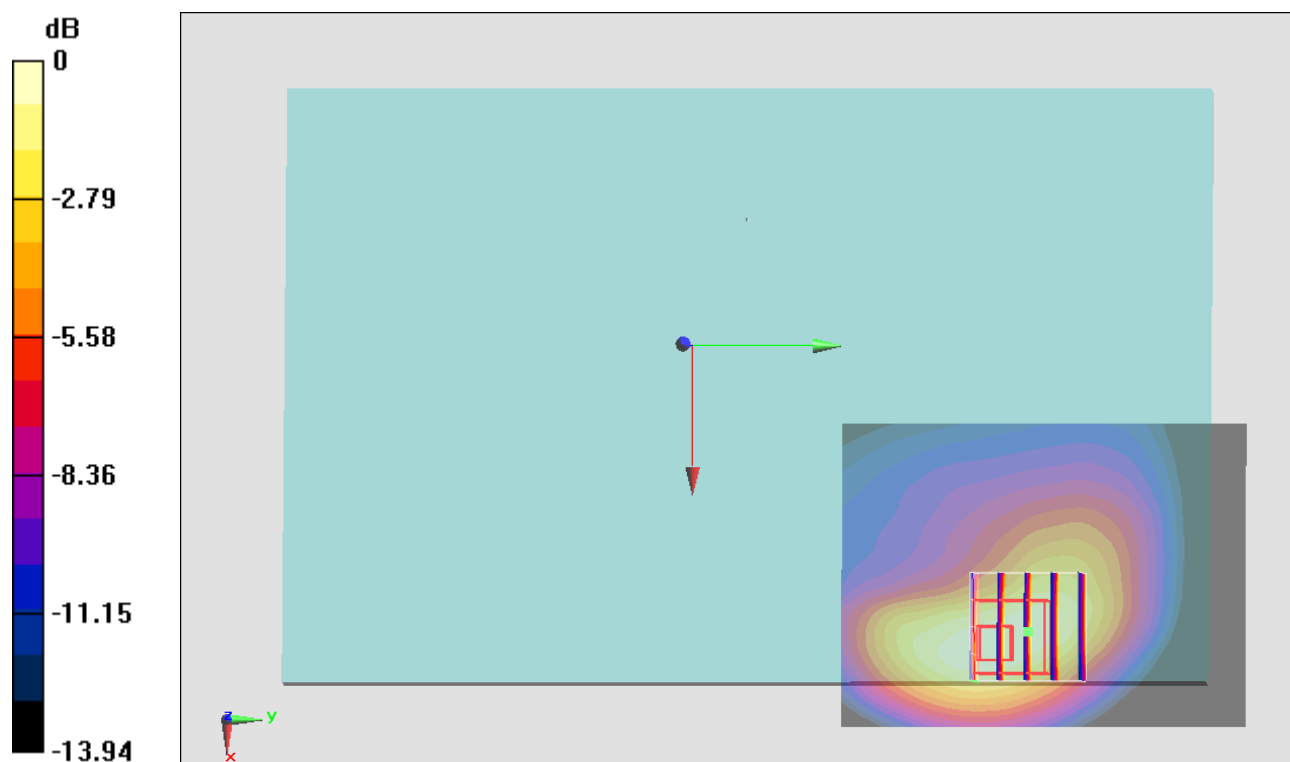
Configuration/Ch20450/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 35.119 V/m ; Power Drift = -0.128 dB

Peak SAR (extrapolated) = 1.655 mW/g

SAR(1 g) = 0.962 mW/g ; SAR(10 g) = 0.533 mW/g

Maximum value of SAR (measured) = 1.01 mW/g



0 dB = 1.01 mW/g = 0.09 dB mW/g

#446_ LTE Band 5_10M_QPSK 1RB 24offset_Curved surface of Edge3_0cm_Ch20600**DUT: 311703**

Communication System: LTE; Frequency: 844 MHz; Duty Cycle: 1:1

Medium: MSL_850_130220 Medium parameters used: $f = 844$ MHz; $\sigma = 0.962$ mho/m; $\epsilon_r = 52.519$; $\rho =$

1000 kg/m^3

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

DASY5 Configuration:

- Probe: ET3DV6 - SN1787; ConvF(6.08, 6.08, 6.08); Calibrated: 2012/5/29;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn495; Calibrated: 2012/4/23
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP:1127
- Measurement SW: DASY52, Version 52.8 (3); SEMCAD X Version 14.6.5 (6469)

Configuration/Ch20600/Area Scan (61x81x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$
Maximum value of SAR (interpolated) = 1.10 mW/g

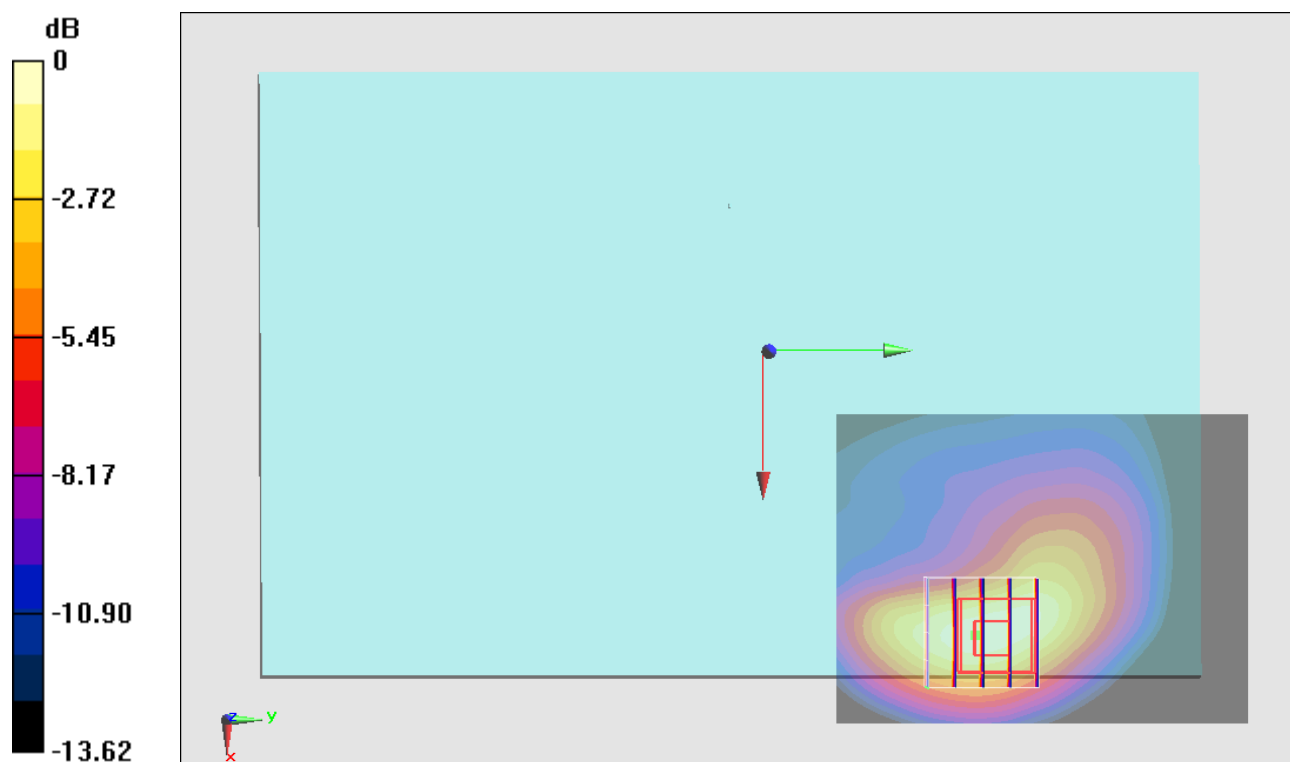
Configuration/Ch20600/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 36.091 V/m ; Power Drift = 0.05 dB

Peak SAR (extrapolated) = 1.833 mW/g

SAR(1 g) = 1.05 mW/g ; SAR(10 g) = 0.582 mW/g

Maximum value of SAR (measured) = 1.18 mW/g



0 dB = 1.18 mW/g = 1.44 dB mW/g

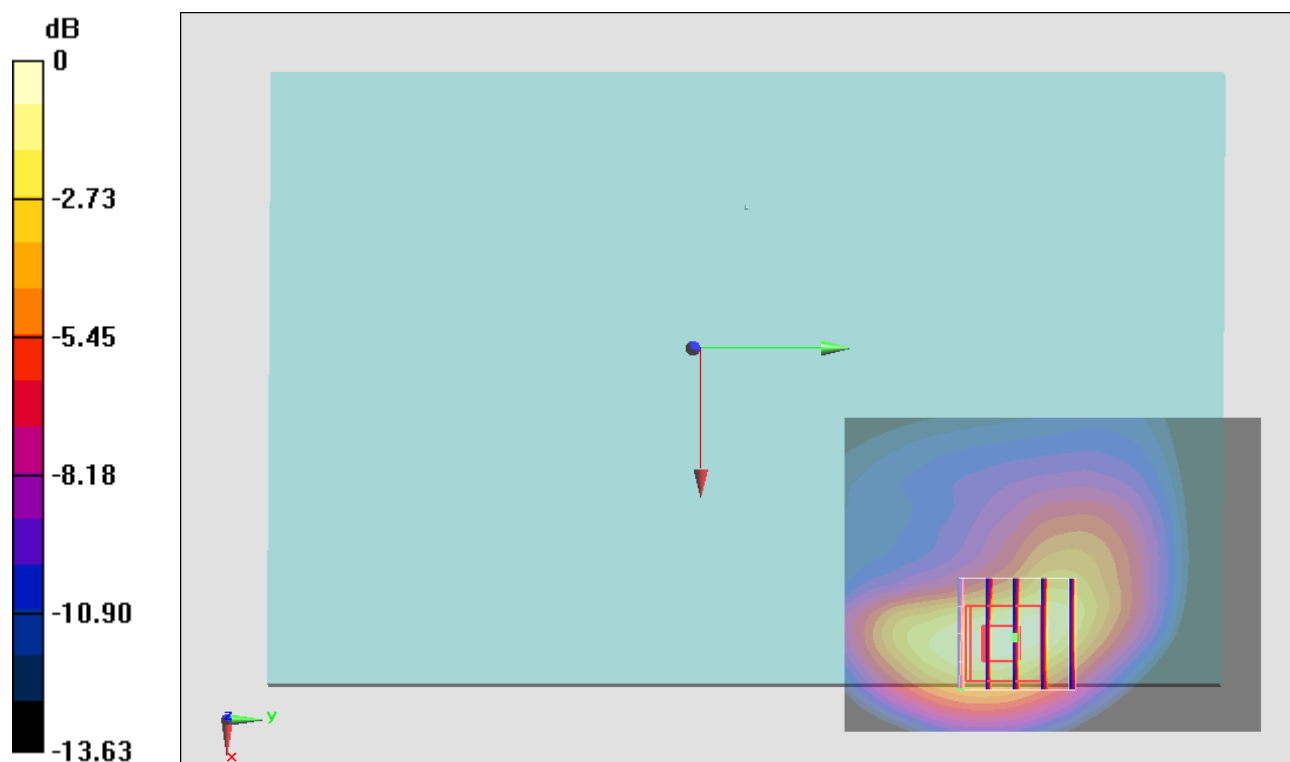
#451_LTE Band 5_10M_QPSK 1RB 24offset_Curved surface of Edge3_0cm_Ch20600_Repeat**DUT: 311703**

Communication System: LTE; Frequency: 844 MHz; Duty Cycle: 1:1

Medium: MSL_850_130220 Medium parameters used: $f = 844$ MHz; $\sigma = 0.962$ mho/m; $\epsilon_r = 52.519$; $\rho =$ 1000 kg/m^3 Ambient Temperature : 22.7°C ; Liquid Temperature : 21.7°C

DASY5 Configuration:

- Probe: ET3DV6 - SN1787; ConvF(6.08, 6.08, 6.08); Calibrated: 2012/5/29;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn495; Calibrated: 2012/4/23
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP:1127
- Measurement SW: DASY52, Version 52.8 (3); SEMCAD X Version 14.6.5 (6469)

Configuration/Ch20600/Area Scan (61x81x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$
Maximum value of SAR (interpolated) = 1.00 mW/g **Configuration/Ch20600/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$ Reference Value = 35.868 V/m ; Power Drift = -0.16 dB Peak SAR (extrapolated) = 1.801 mW/g **SAR(1 g) = 1.02 mW/g ; SAR(10 g) = 0.558 mW/g** Maximum value of SAR (measured) = 1.11 mW/g  $0 \text{ dB} = 1.11 \text{ mW/g} = 0.91 \text{ dB mW/g}$

#447_ LTE Band 5_10M_QPSK 25RB 0offset_Curved surface of Edge3_0cm_Ch20525**DUT: 311703**

Communication System: LTE; Frequency: 836.5 MHz; Duty Cycle: 1:1

Medium: MSL_850_130220 Medium parameters used : $f = 836.5$ MHz; $\sigma = 0.955$ mho/m; $\epsilon_r = 52.595$; ρ

$= 1000$ kg/m³

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

DASY5 Configuration:

- Probe: ET3DV6 - SN1787; ConvF(6.08, 6.08, 6.08); Calibrated: 2012/5/29;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn495; Calibrated: 2012/4/23
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP:1127
- Measurement SW: DASY52, Version 52.8 (3); SEMCAD X Version 14.6.5 (6469)

Configuration/Ch20525/Area Scan (61x81x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.990 mW/g

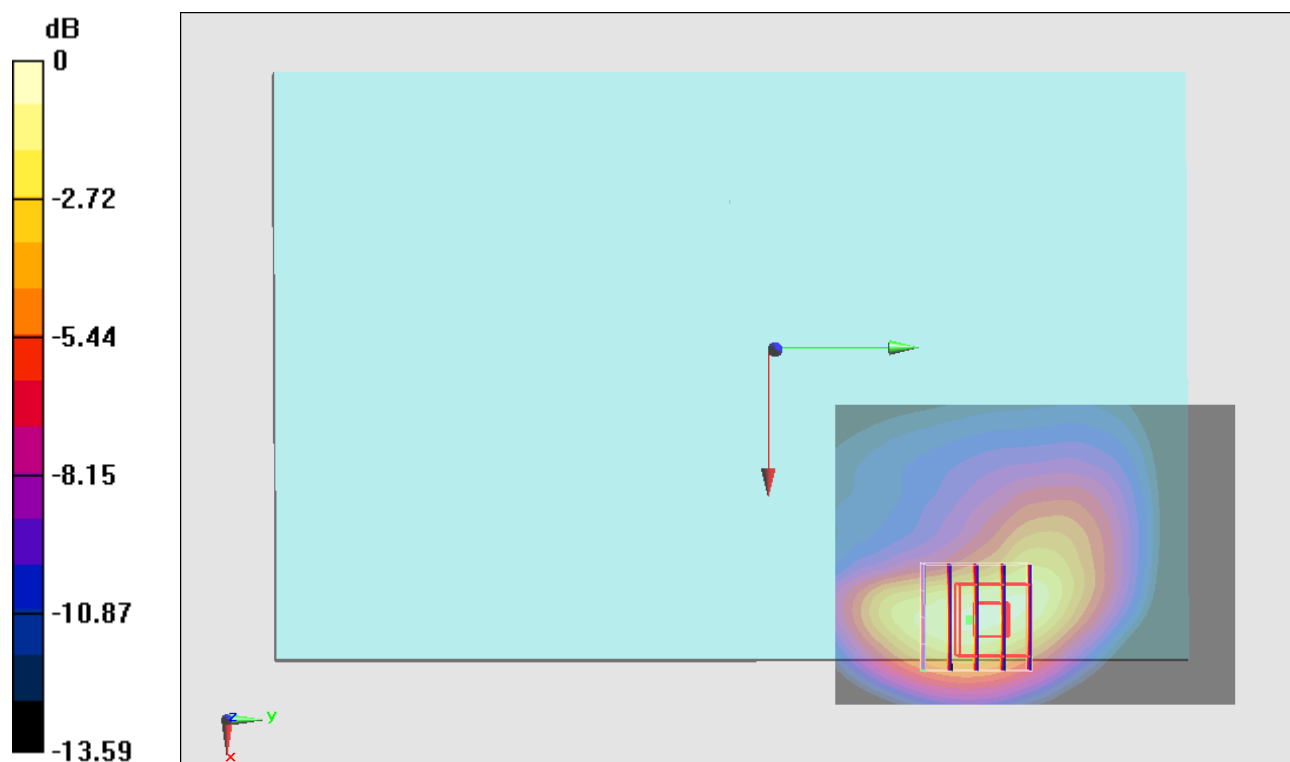
Configuration/Ch20525/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 36.188 V/m; Power Drift = -0.15 dB

Peak SAR (extrapolated) = 1.762 mW/g

SAR(1 g) = 1 mW/g; SAR(10 g) = 0.553 mW/g

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



0 dB = 1.15 mW/g = 1.21 dB mW/g

#448_ LTE Band 5_10M_QPSK 25RB 0offset_Curved surface of Edge3_0cm_Ch20450**DUT: 311703**

Communication System: LTE; Frequency: 829 MHz; Duty Cycle: 1:1

Medium: MSL_850_130220 Medium parameters used: $f = 829$ MHz; $\sigma = 0.947$ mho/m; $\epsilon_r = 52.664$; $\rho =$

1000 kg/m^3

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

DASY5 Configuration:

- Probe: ET3DV6 - SN1787; ConvF(6.08, 6.08, 6.08); Calibrated: 2012/5/29;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn495; Calibrated: 2012/4/23
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP:1127
- Measurement SW: DASY52, Version 52.8 (3); SEMCAD X Version 14.6.5 (6469)

Configuration/Ch20450/Area Scan (61x81x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$
Maximum value of SAR (interpolated) = 0.963 mW/g

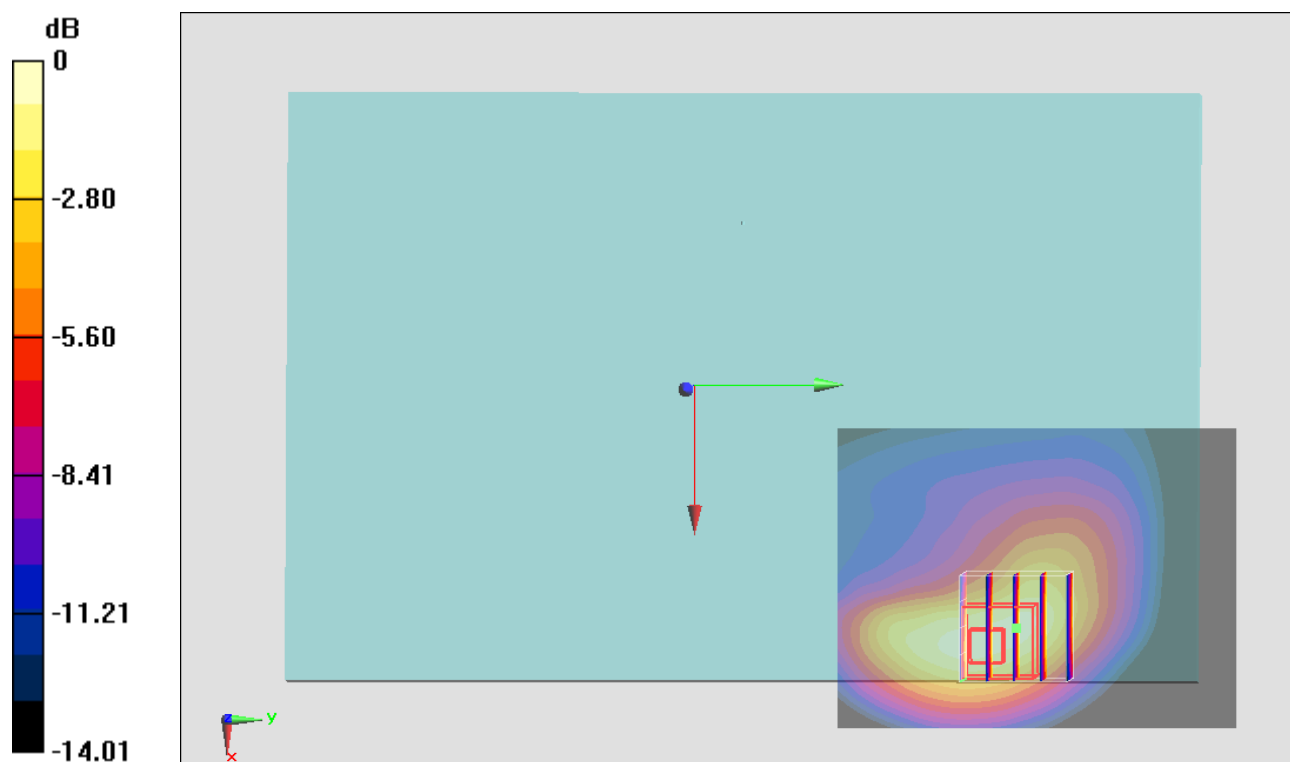
Configuration/Ch20450/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 33.656 V/m ; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 1.738 mW/g

SAR(1 g) = 0.972 mW/g ; SAR(10 g) = 0.529 mW/g

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



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

#449_LTE Band 5_10M_QPSK 25RB 0offset_Curved surface of Edge3_0cm_Ch20600**DUT: 311703**

Communication System: LTE; Frequency: 844 MHz; Duty Cycle: 1:1

Medium: MSL_850_130220 Medium parameters used: $f = 844$ MHz; $\sigma = 0.962$ mho/m; $\epsilon_r = 52.519$; $\rho =$

1000 kg/m^3

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

DASY5 Configuration:

- Probe: ET3DV6 - SN1787; ConvF(6.08, 6.08, 6.08); Calibrated: 2012/5/29;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn495; Calibrated: 2012/4/23
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP:1127
- Measurement SW: DASY52, Version 52.8 (3); SEMCAD X Version 14.6.5 (6469)

Configuration/Ch20600/Area Scan (61x81x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$
Maximum value of SAR (interpolated) = 1.03 mW/g

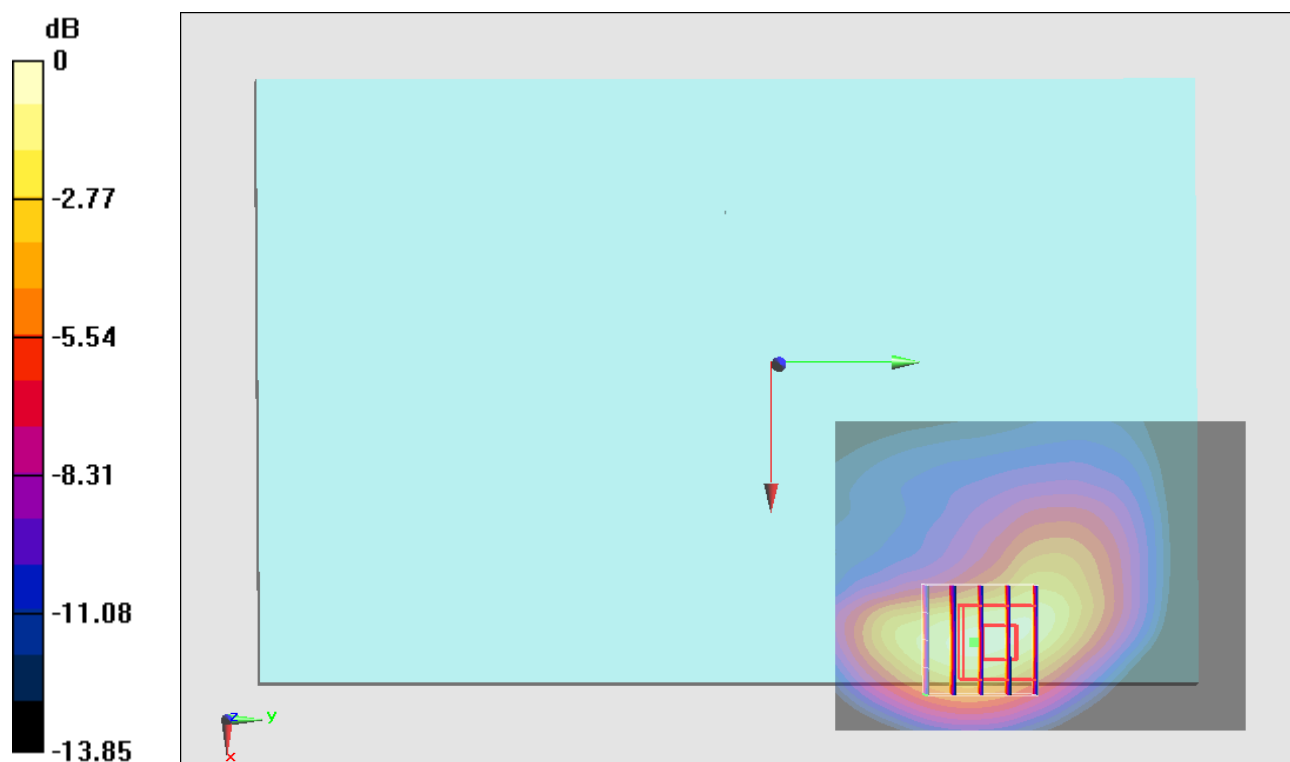
Configuration/Ch20600/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 35.748 V/m ; Power Drift = -0.121 dB

Peak SAR (extrapolated) = 1.823 mW/g

SAR(1 g) = 1.01 mW/g ; SAR(10 g) = 0.547 mW/g

Maximum value of SAR (measured) = 1.16 mW/g



0 dB = 1.16 mW/g = 1.29 dB mW/g

#450_LTE Band 5_10M_QPSK 50RB 0offset_Curved surface of Edge3_0cm_Ch20600**DUT: 311703**

Communication System: LTE; Frequency: 844 MHz; Duty Cycle: 1:1

Medium: MSL_850_130220 Medium parameters used: $f = 844$ MHz; $\sigma = 0.962$ mho/m; $\epsilon_r = 52.519$; $\rho =$

1000 kg/m^3

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

DASY5 Configuration:

- Probe: ET3DV6 - SN1787; ConvF(6.08, 6.08, 6.08); Calibrated: 2012/5/29;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn495; Calibrated: 2012/4/23
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP:1127
- Measurement SW: DASY52, Version 52.8 (3); SEMCAD X Version 14.6.5 (6469)

Configuration/Ch20600/Area Scan (61x81x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$
Maximum value of SAR (interpolated) = 0.973 mW/g

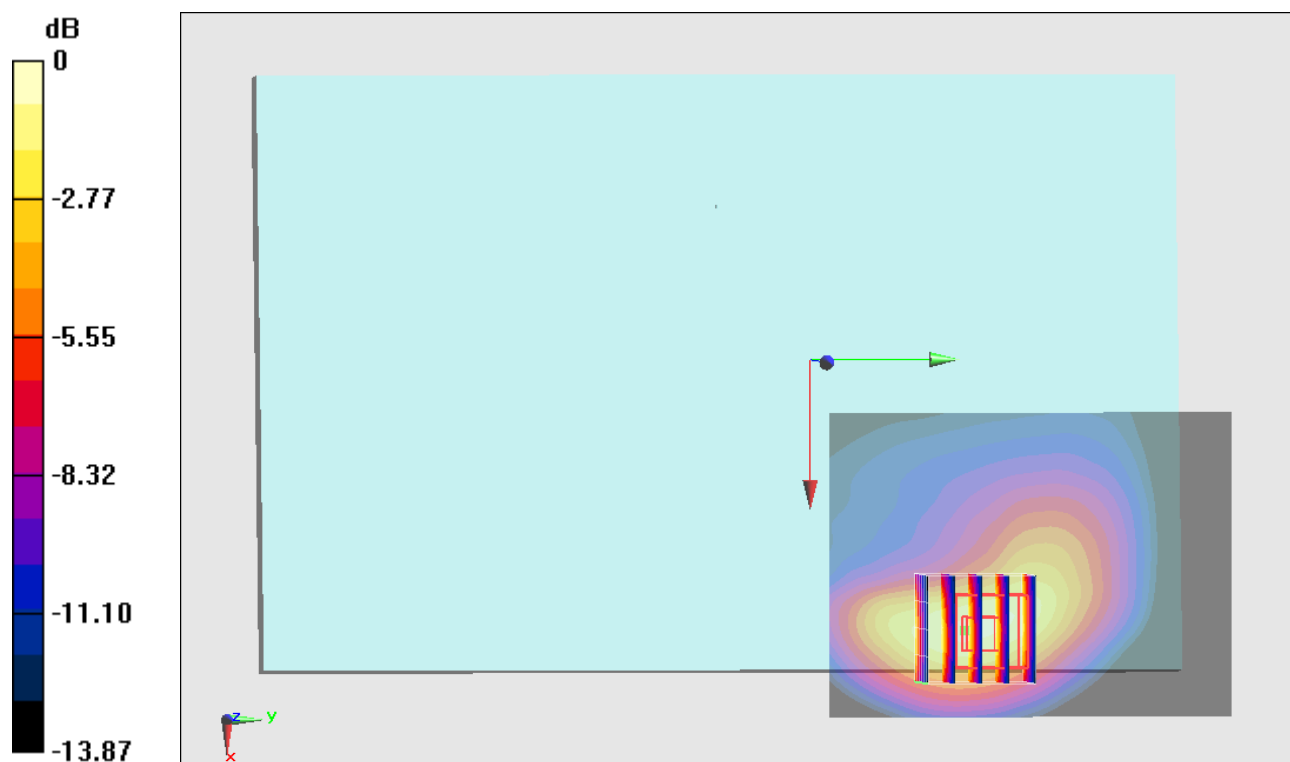
Configuration/Ch20600/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 34.831 V/m ; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 1.912 mW/g

SAR(1 g) = 1.01 mW/g ; SAR(10 g) = 0.542 mW/g

Maximum value of SAR (measured) = 1.14 mW/g



#366_ LTE Band 4_20M_QPSK 1RB 0offset_Bottom Face_1cm_Ch20175**DUT: 12-4-138**

Communication System: LTE; Frequency: 1732.5 MHz; Duty Cycle: 1:1

Medium: MSL_1750_130117 Medium parameters used : $f = 1732.5$ MHz; $\sigma = 1.528$ mho/m; $\epsilon_r = 51.561$;

$\rho = 1000$ kg/m³

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

DASY5 Configuration:

- Probe: ET3DV6 - SN1787; ConvF(4.81, 4.81, 4.81); Calibrated: 2012/5/29;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn495; Calibrated: 2012/4/23
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP:1127
- Measurement SW: DASY52, Version 52.8 (3); SEMCAD X Version 14.6.5 (6469)

Configuration/Ch20175/Area Scan (61x81x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.692 mW/g

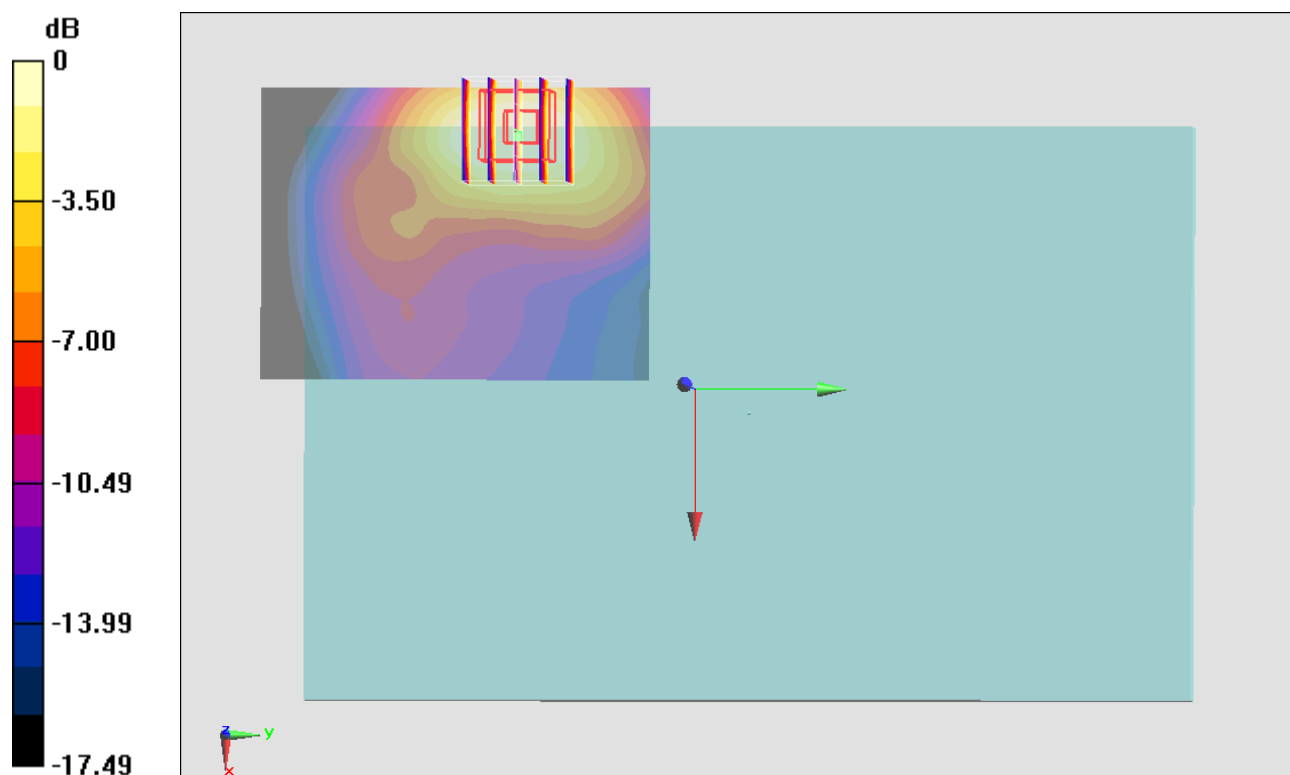
Configuration/Ch20175/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 21.783 V/m; Power Drift = -0.142 dB

Peak SAR (extrapolated) = 0.757 mW/g

SAR(1 g) = 0.503 mW/g; SAR(10 g) = 0.292 mW/g

Maximum value of SAR (measured) = 0.557 mW/g



#367_ LTE Band 4_20M_QPSK 50RB 24offset_Bottom Face_1cm_Ch20050**DUT: 12-4-138**

Communication System: LTE; Frequency: 1720 MHz; Duty Cycle: 1:1

Medium: MSL_1750_130117 Medium parameters used: $f = 1720$ MHz; $\sigma = 1.513$ mho/m; $\epsilon_r = 51.593$; ρ

$= 1000$ kg/m³

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

DASY5 Configuration:

- Probe: ET3DV6 - SN1787; ConvF(4.81, 4.81, 4.81); Calibrated: 2012/5/29;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn495; Calibrated: 2012/4/23
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP:1127
- Measurement SW: DASY52, Version 52.8 (3); SEMCAD X Version 14.6.5 (6469)

Configuration/Ch20050/Area Scan (61x81x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.436 mW/g

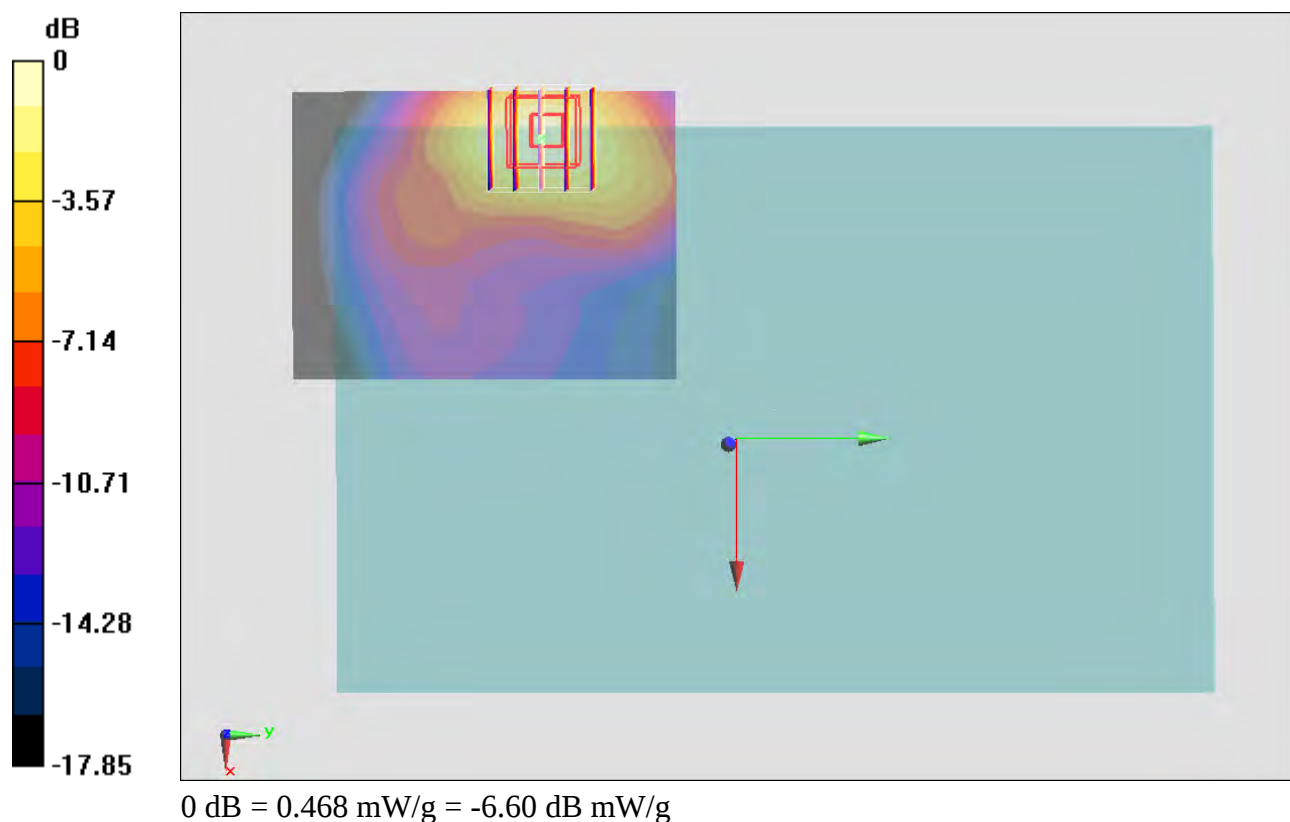
Configuration/Ch20050/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 2.320 V/m; Power Drift = 0.13 dB

Peak SAR (extrapolated) = 0.637 mW/g

SAR(1 g) = 0.422 mW/g; SAR(10 g) = 0.245 mW/g

Maximum value of SAR (measured) = 0.468 mW/g



#368_ LTE Band 4_20M_QPSK 1RB 0offset_Edge3_0.8cm_Ch20175**DUT: 12-4-138**

Communication System: LTE; Frequency: 1732.5 MHz; Duty Cycle: 1:1

Medium: MSL_1750_130117 Medium parameters used : $f = 1732.5$ MHz; $\sigma = 1.528$ mho/m; $\epsilon_r = 51.561$;

$\rho = 1000$ kg/m³

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

DASY5 Configuration:

- Probe: ET3DV6 - SN1787; ConvF(4.81, 4.81, 4.81); Calibrated: 2012/5/29;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn495; Calibrated: 2012/4/23
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP:1127
- Measurement SW: DASY52, Version 52.8 (3); SEMCAD X Version 14.6.5 (6469)

Configuration/Ch20175/Area Scan (41x101x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 1.07 mW/g

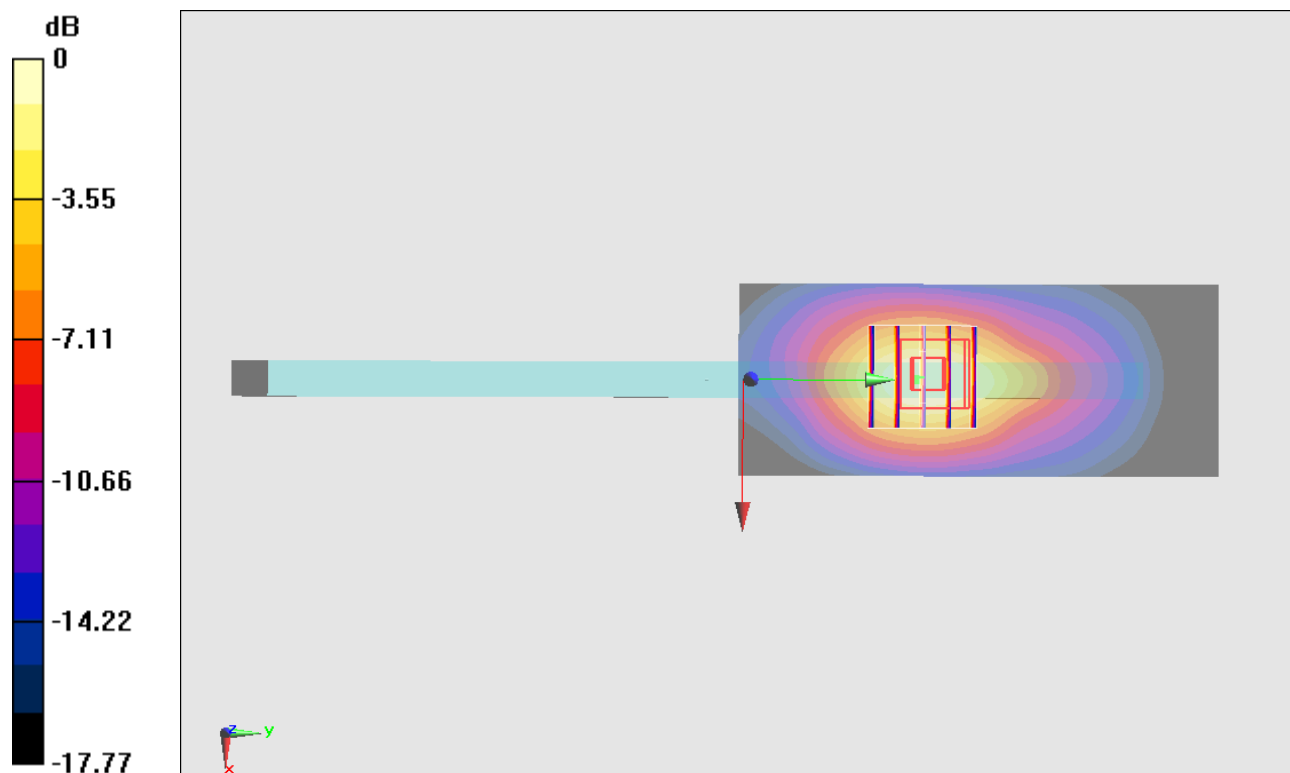
Configuration/Ch20175/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 28.037 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 1.467 mW/g

SAR(1 g) = 0.932 mW/g; SAR(10 g) = 0.516 mW/g

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



0 dB = 1.03 mW/g = 0.26 dB mW/g

#369_ LTE Band 4_20M_QPSK 1RB 0offset_Edge3_0.8cm_Ch20050**DUT: 12-4-138**

Communication System: LTE; Frequency: 1720 MHz; Duty Cycle: 1:1

Medium: MSL_1750_130117 Medium parameters used: $f = 1720$ MHz; $\sigma = 1.513$ mho/m; $\epsilon_r = 51.593$; ρ

$= 1000$ kg/m³

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

DASY5 Configuration:

- Probe: ET3DV6 - SN1787; ConvF(4.81, 4.81, 4.81); Calibrated: 2012/5/29;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn495; Calibrated: 2012/4/23
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP:1127
- Measurement SW: DASY52, Version 52.8 (3); SEMCAD X Version 14.6.5 (6469)

Configuration/Ch20050/Area Scan (41x101x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 1.08 mW/g

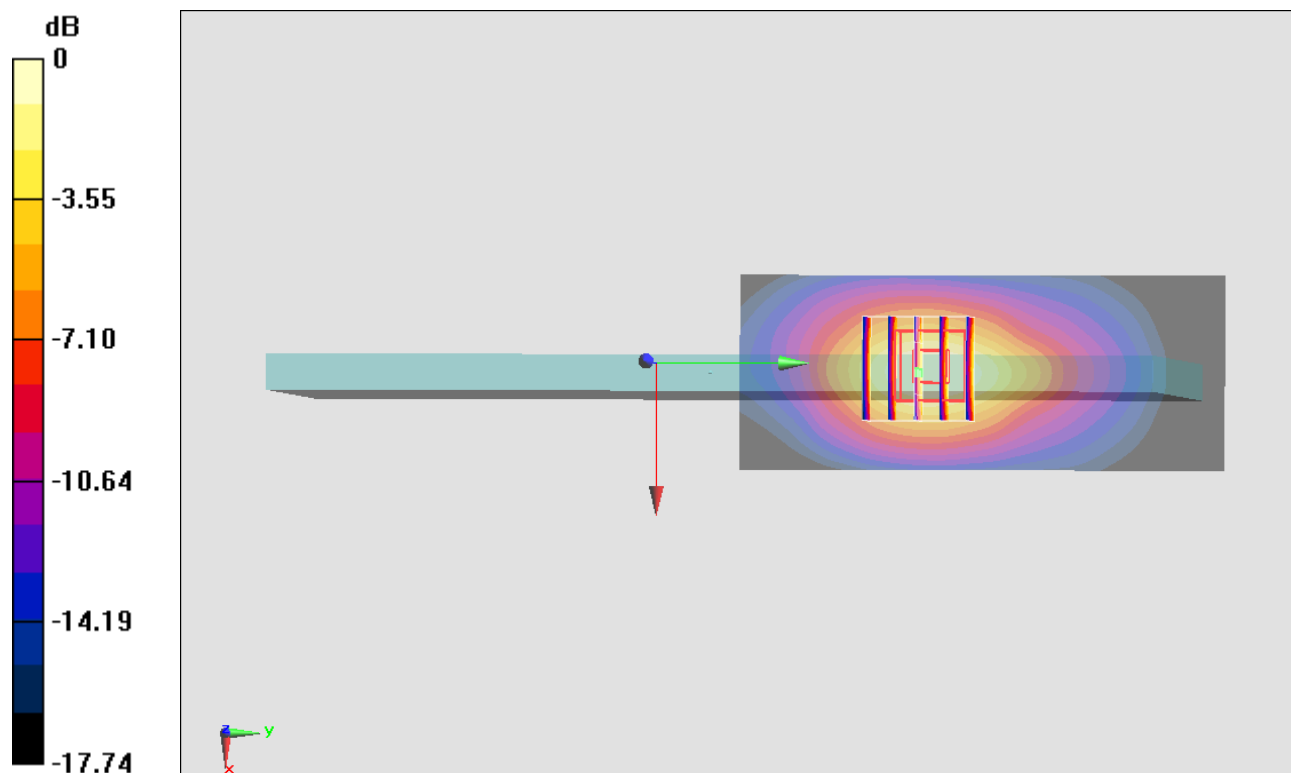
Configuration/Ch20050/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 28.374 V/m; Power Drift = 0.05 dB

Peak SAR (extrapolated) = 1.485 mW/g

SAR(1 g) = 0.952 mW/g; SAR(10 g) = 0.531 mW/g

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



0 dB = 1.06 mW/g = 0.51 dB mW/g

#370_LTE Band 4_20M_QPSK 1RB 0offset_Edge3_0.8cm_Ch20300**DUT: 12-4-138**

Communication System: LTE; Frequency: 1745 MHz; Duty Cycle: 1:1

Medium: MSL_1750_130117 Medium parameters used: $f = 1745$ MHz; $\sigma = 1.541$ mho/m; $\epsilon_r = 51.528$; ρ

$= 1000$ kg/m³

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

DASY5 Configuration:

- Probe: ET3DV6 - SN1787; ConvF(4.81, 4.81, 4.81); Calibrated: 2012/5/29;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn495; Calibrated: 2012/4/23
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP:1127
- Measurement SW: DASY52, Version 52.8 (3); SEMCAD X Version 14.6.5 (6469)

Configuration/Ch20300/Area Scan (41x101x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 1.09 mW/g

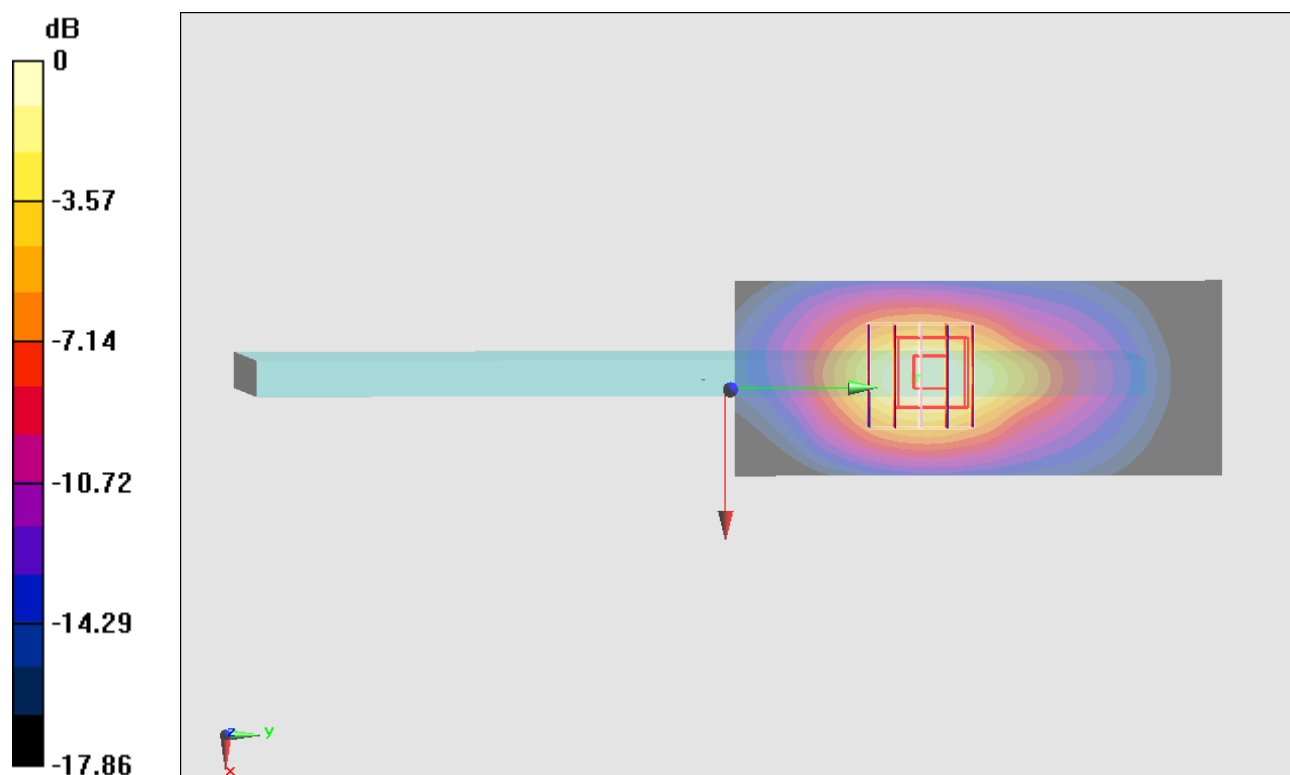
Configuration/Ch20300/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 28.261 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 1.526 mW/g

SAR(1 g) = 0.964 mW/g; SAR(10 g) = 0.533 mW/g

Maximum value of SAR (measured) = 1.07 mW/g



0 dB = 1.07 mW/g = 0.59 dB mW/g

#371_LTE Band 4_20M_QPSK 50RB 24offset_Edge3_0.8cm_Ch20050**DUT: 12-4-138**

Communication System: LTE; Frequency: 1720 MHz; Duty Cycle: 1:1

Medium: MSL_1750_130117 Medium parameters used: $f = 1720$ MHz; $\sigma = 1.513$ mho/m; $\epsilon_r = 51.593$; ρ

$= 1000$ kg/m³

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

DASY5 Configuration:

- Probe: ET3DV6 - SN1787; ConvF(4.81, 4.81, 4.81); Calibrated: 2012/5/29;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn495; Calibrated: 2012/4/23
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP:1127
- Measurement SW: DASY52, Version 52.8 (3); SEMCAD X Version 14.6.5 (6469)

Configuration/Ch20050/Area Scan (41x101x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.822 mW/g

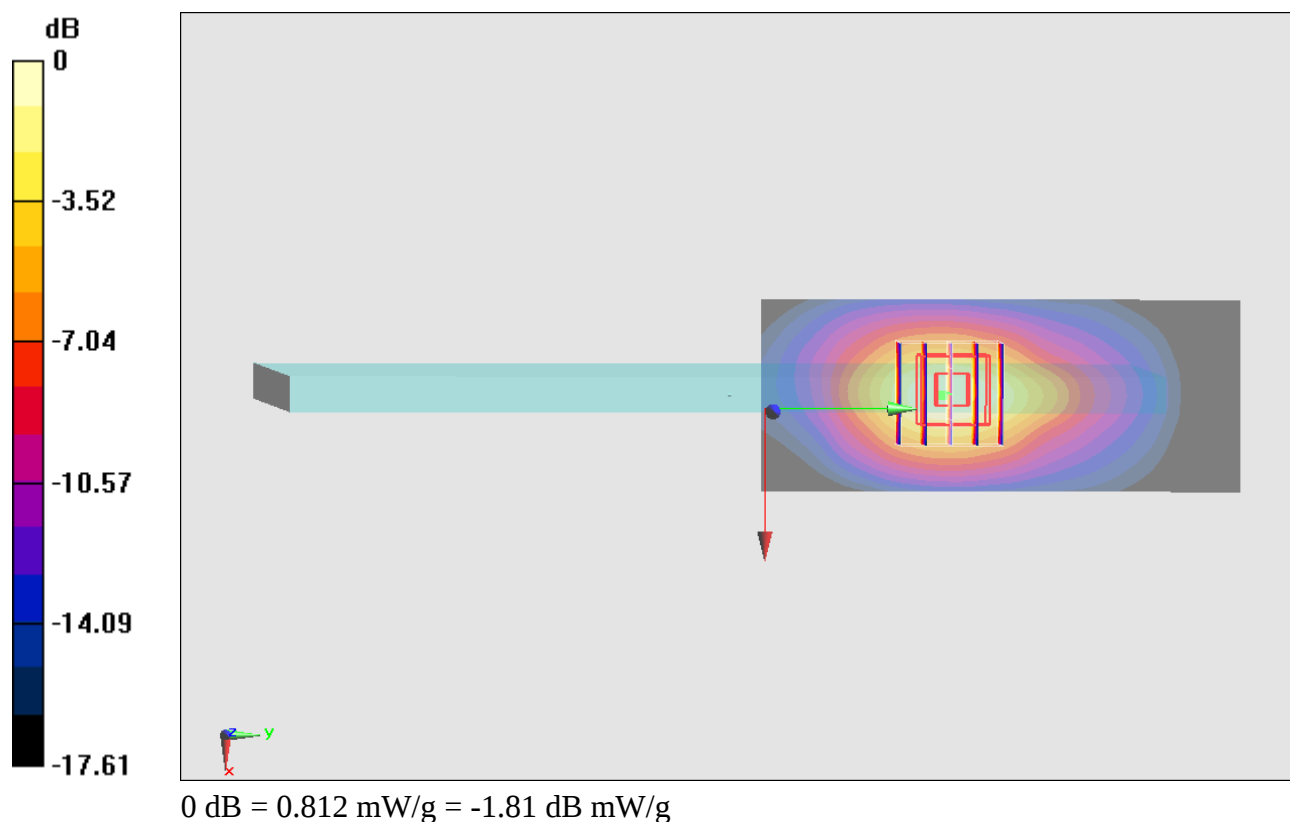
Configuration/Ch20050/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 24.816 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 1.138 mW/g

SAR(1 g) = 0.725 mW/g; SAR(10 g) = 0.400 mW/g

Maximum value of SAR (measured) = 0.812 mW/g



#372_LTE Band 4_20M_QPSK 50RB 24offset_Edge3_0.8cm_Ch20175**DUT: 12-4-138**

Communication System: LTE; Frequency: 1732.5 MHz; Duty Cycle: 1:1

Medium: MSL_1750_130117 Medium parameters used : $f = 1732.5$ MHz; $\sigma = 1.528$ mho/m; $\epsilon_r = 51.561$;

$\rho = 1000$ kg/m³

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

DASY5 Configuration:

- Probe: ET3DV6 - SN1787; ConvF(4.81, 4.81, 4.81); Calibrated: 2012/5/29;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn495; Calibrated: 2012/4/23
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP:1127
- Measurement SW: DASY52, Version 52.8 (3); SEMCAD X Version 14.6.5 (6469)

Configuration/Ch20175/Area Scan (41x101x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.786 mW/g

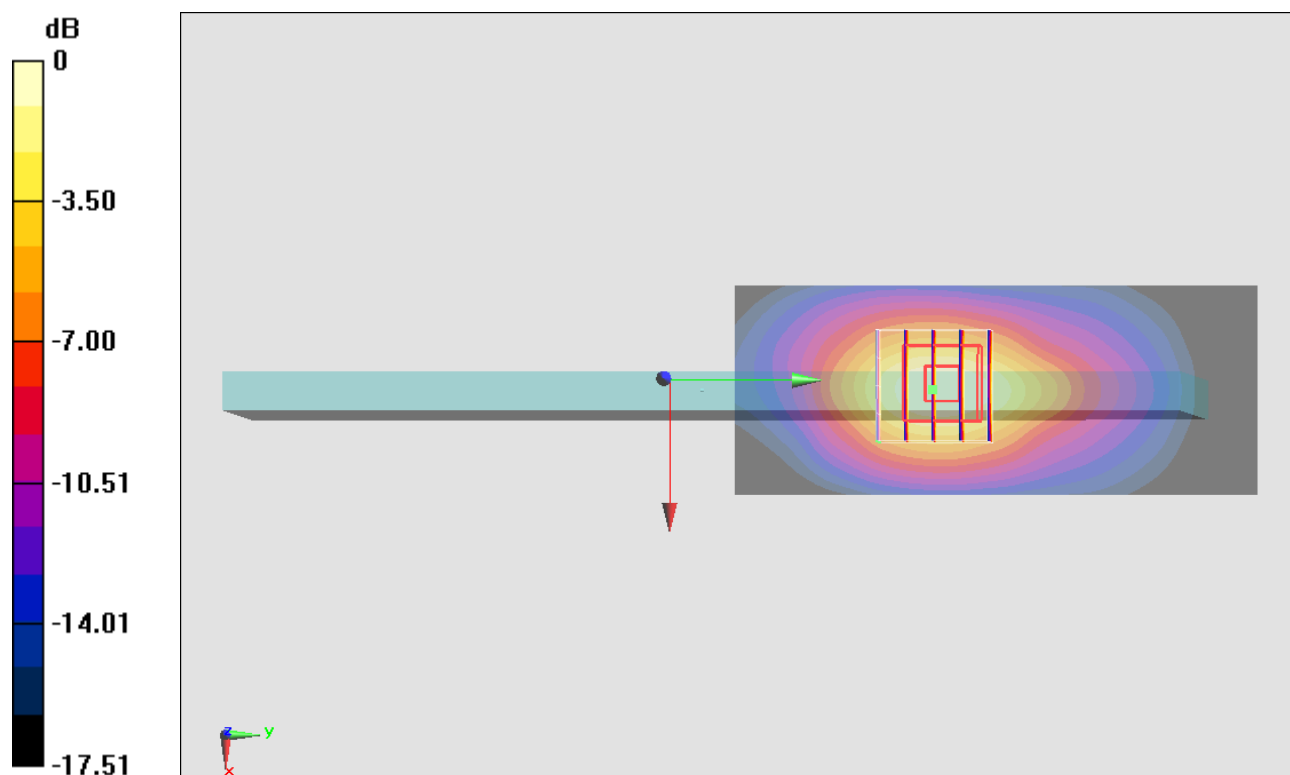
Configuration/Ch20175/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 24.434 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 1.080 mW/g

SAR(1 g) = 0.699 mW/g; SAR(10 g) = 0.388 mW/g

Maximum value of SAR (measured) = 0.782 mW/g



0 dB = 0.782 mW/g = -2.14 dB mW/g

#373_LTE Band 4_20M_QPSK 50RB 24offset_Edge3_0.8cm_Ch20300**DUT: 12-4-138**

Communication System: LTE; Frequency: 1745 MHz; Duty Cycle: 1:1

Medium: MSL_1750_130117 Medium parameters used: $f = 1745$ MHz; $\sigma = 1.541$ mho/m; $\epsilon_r = 51.528$; ρ

$= 1000$ kg/m³

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

DASY5 Configuration:

- Probe: ET3DV6 - SN1787; ConvF(4.81, 4.81, 4.81); Calibrated: 2012/5/29;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn495; Calibrated: 2012/4/23
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP:1127
- Measurement SW: DASY52, Version 52.8 (3); SEMCAD X Version 14.6.5 (6469)

Configuration/Ch20300/Area Scan (41x101x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.791 mW/g

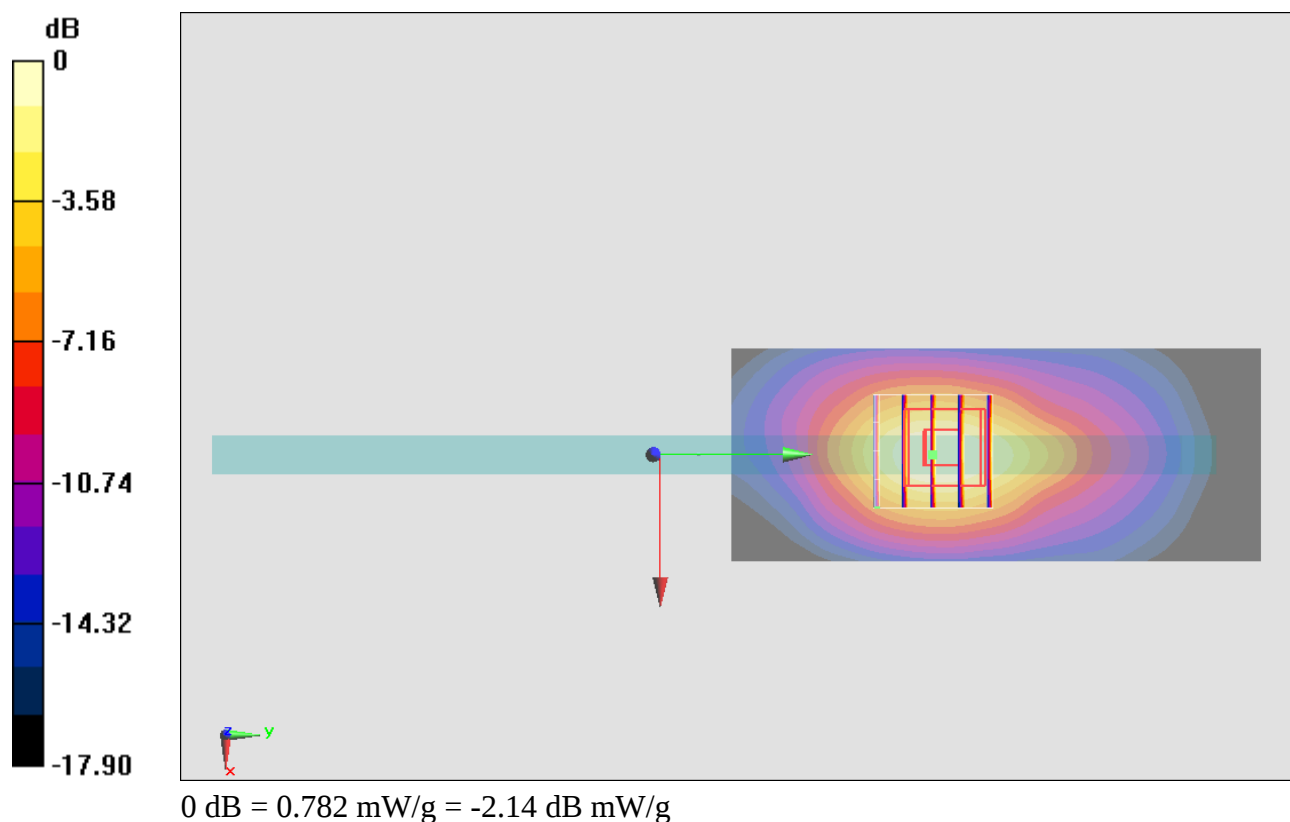
Configuration/Ch20300/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 24.068 V/m; Power Drift = 0.12 dB

Peak SAR (extrapolated) = 1.087 mW/g

SAR(1 g) = 0.697 mW/g; SAR(10 g) = 0.387 mW/g

Maximum value of SAR (measured) = 0.782 mW/g



#374_LTE Band 4_20M_QPSK 100RB 0offset_Edge3_0.8cm_Ch20050**DUT: 12-4-138**

Communication System: LTE; Frequency: 1720 MHz; Duty Cycle: 1:1

Medium: MSL_1750_130117 Medium parameters used: $f = 1720$ MHz; $\sigma = 1.513$ mho/m; $\epsilon_r = 51.593$; ρ

$= 1000$ kg/m³

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

DASY5 Configuration:

- Probe: ET3DV6 - SN1787; ConvF(4.81, 4.81, 4.81); Calibrated: 2012/5/29;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn495; Calibrated: 2012/4/23
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP:1127
- Measurement SW: DASY52, Version 52.8 (3); SEMCAD X Version 14.6.5 (6469)

Configuration/Ch20050/Area Scan (41x101x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.807 mW/g

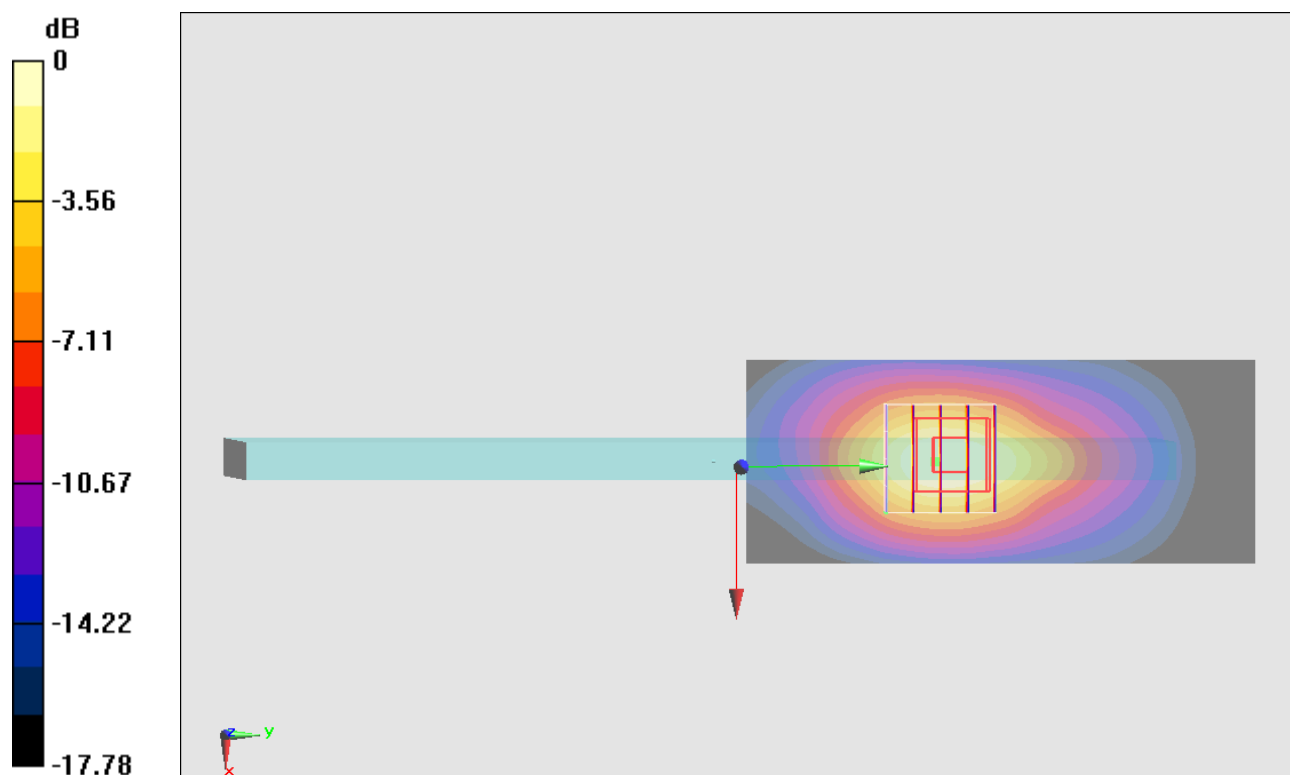
Configuration/Ch20050/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 24.450 V/m; Power Drift = 0.11 dB

Peak SAR (extrapolated) = 1.108 mW/g

SAR(1 g) = 0.721 mW/g; SAR(10 g) = 0.401 mW/g

Maximum value of SAR (measured) = 0.797 mW/g



0 dB = 0.797 mW/g = -1.97 dB mW/g

#375_LTE Band 4_20M_QPSK 1RB 0offset_Edge4_0cm_Ch20175

DUT: 12-4-138

Communication System: LTE; Frequency: 1732.5 MHz; Duty Cycle: 1:1

Medium: MSL_1750_130117 Medium parameters used : $f = 1732.5$ MHz; $\sigma = 1.528$ mho/m; $\epsilon_r = 51.561$; ρ $= 1000$ kg/m³

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

DASY5 Configuration:

- Probe: ET3DV6 - SN1787; ConvF(4.81, 4.81, 4.81); Calibrated: 2012/5/29;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn495; Calibrated: 2012/4/23
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP:1127
- Measurement SW: DASY52, Version 52.8 (3); SEMCAD X Version 14.6.5 (6469)

Configuration/Ch20175/Area Scan (31x141x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.0553 mW/g

Configuration/Ch20175/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 6.494 V/m; Power Drift = -0.11 dB

Peak SAR (extrapolated) = 0.073 mW/g

SAR(1 g) = 0.049 mW/g; SAR(10 g) = 0.030 mW/g

Maximum value of SAR (measured) = 0.0540 mW/g

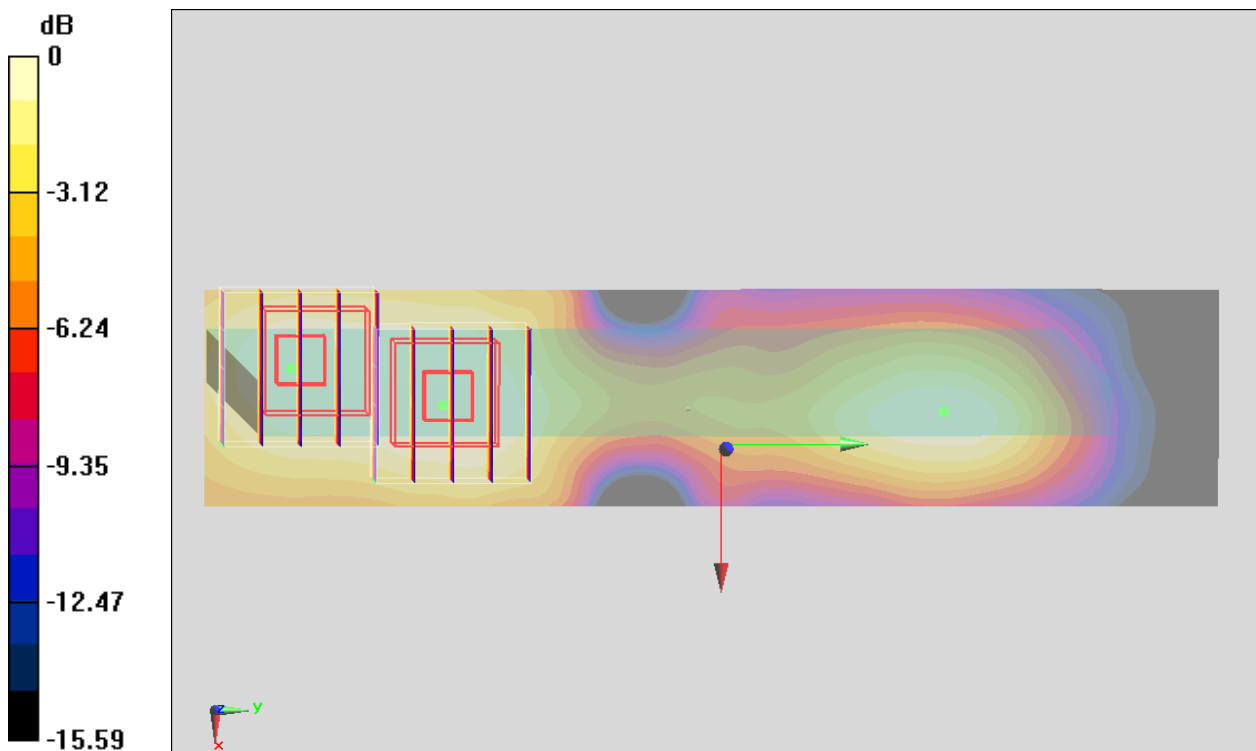
Configuration/Ch20175/Zoom Scan (5x5x7)/Cube 1: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 6.494 V/m; Power Drift = -0.11 dB

Peak SAR (extrapolated) = 0.070 mW/g

SAR(1 g) = 0.045 mW/g; SAR(10 g) = 0.027 mW/g

Maximum value of SAR (measured) = 0.0495 mW/g



#376_LTE Band 4_20M_QPSK 50RB 24offset_Edge4_0cm_Ch20050**DUT: 12-4-138**

Communication System: LTE; Frequency: 1720 MHz; Duty Cycle: 1:1

Medium: MSL_1750_130117 Medium parameters used: $f = 1720$ MHz; $\sigma = 1.513$ mho/m; $\epsilon_r = 51.593$; $\rho = 1000$ kg/m³

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

DASY5 Configuration:

- Probe: ET3DV6 - SN1787; ConvF(4.81, 4.81, 4.81); Calibrated: 2012/5/29;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn495; Calibrated: 2012/4/23
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP:1127
- Measurement SW: DASY52, Version 52.8 (3); SEMCAD X Version 14.6.5 (6469)

Configuration/Ch20050/Area Scan (31x141x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.0430 mW/g

Configuration/Ch20050/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 5.662 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 0.055 mW/g

SAR(1 g) = 0.037 mW/g; SAR(10 g) = 0.022 mW/g

Maximum value of SAR (measured) = 0.0402 mW/g

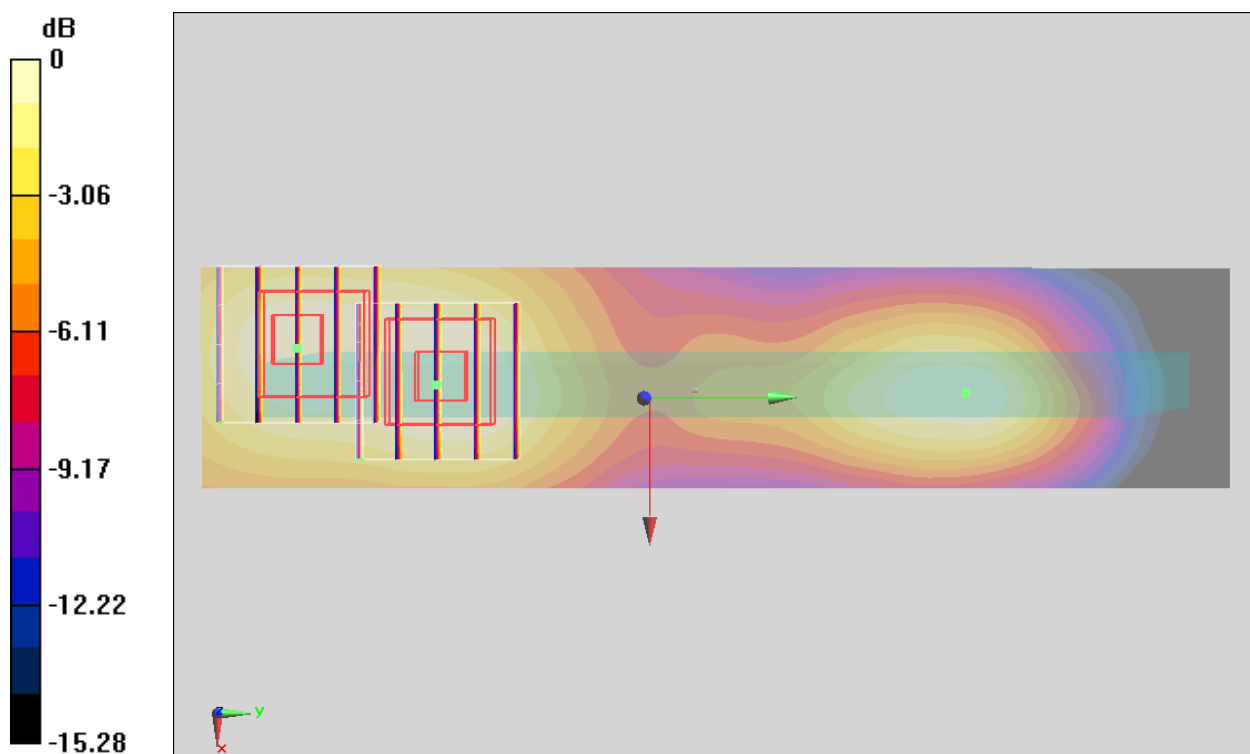
Configuration/Ch20050/Zoom Scan (5x5x7)/Cube 1: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 5.662 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 0.053 mW/g

SAR(1 g) = 0.034 mW/g; SAR(10 g) = 0.020 mW/g

Maximum value of SAR (measured) = 0.0383 mW/g



0 dB = 0.0383 mW/g = -28.34 dB mW/g

#352_ LTE Band 4_20M_QPSK 1RB 0offset_Bottom Face_0cm_Ch20050**DUT: 12-4-138**

Communication System: LTE; Frequency: 1720 MHz; Duty Cycle: 1:1

Medium: MSL_1750_130117 Medium parameters used: $f = 1720$ MHz; $\sigma = 1.513$ mho/m; $\epsilon_r = 51.593$; ρ

$= 1000$ kg/m³

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

DASY5 Configuration:

- Probe: ET3DV6 - SN1787; ConvF(4.81, 4.81, 4.81); Calibrated: 2012/5/29;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn495; Calibrated: 2012/4/23
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP:1127
- Measurement SW: DASY52, Version 52.8 (3); SEMCAD X Version 14.6.5 (6469)

Configuration/Ch20050/Area Scan (61x81x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 1.42 mW/g

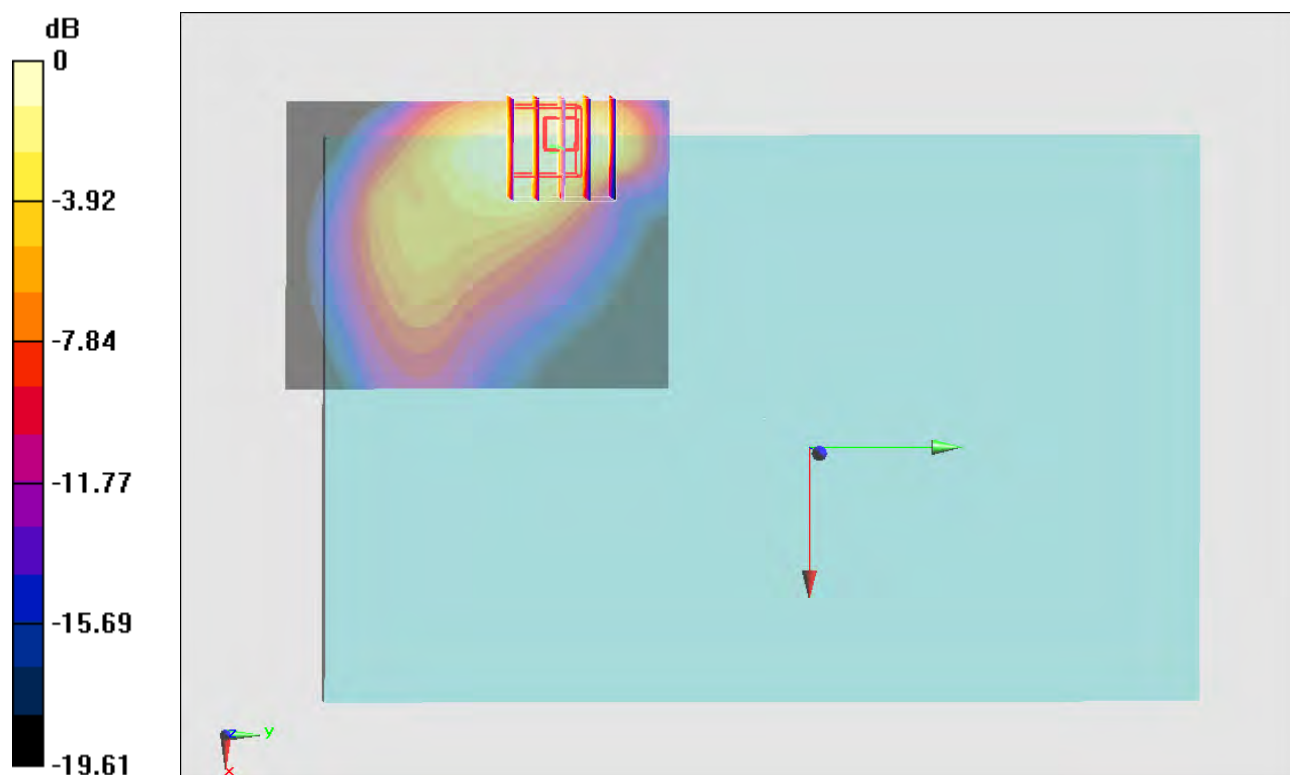
Configuration/Ch20050/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 29.892 V/m; Power Drift = 0.07 dB

Peak SAR (extrapolated) = 1.952 mW/g

SAR(1 g) = 1.14 mW/g; SAR(10 g) = 0.602 mW/g

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



0 dB = 1.19 mW/g = 1.51 dB mW/g

#353_ LTE Band 4_20M_QPSK 1RB 0offset_Bottom Face_0cm_Ch20175**DUT: 12-4-138**

Communication System: LTE; Frequency: 1732.5 MHz; Duty Cycle: 1:1

Medium: MSL_1750_130117 Medium parameters used: $f = 1732.5$ MHz; $\sigma = 1.528$ mho/m; $\epsilon_r = 51.561$;

$\rho = 1000$ kg/m³

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

DASY5 Configuration:

- Probe: ET3DV6 - SN1787; ConvF(4.81, 4.81, 4.81); Calibrated: 2012/5/29;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn495; Calibrated: 2012/4/23
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP:1127
- Measurement SW: DASY52, Version 52.8 (3); SEMCAD X Version 14.6.5 (6469)

Configuration/Ch20175/Area Scan (61x81x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 1.35 mW/g

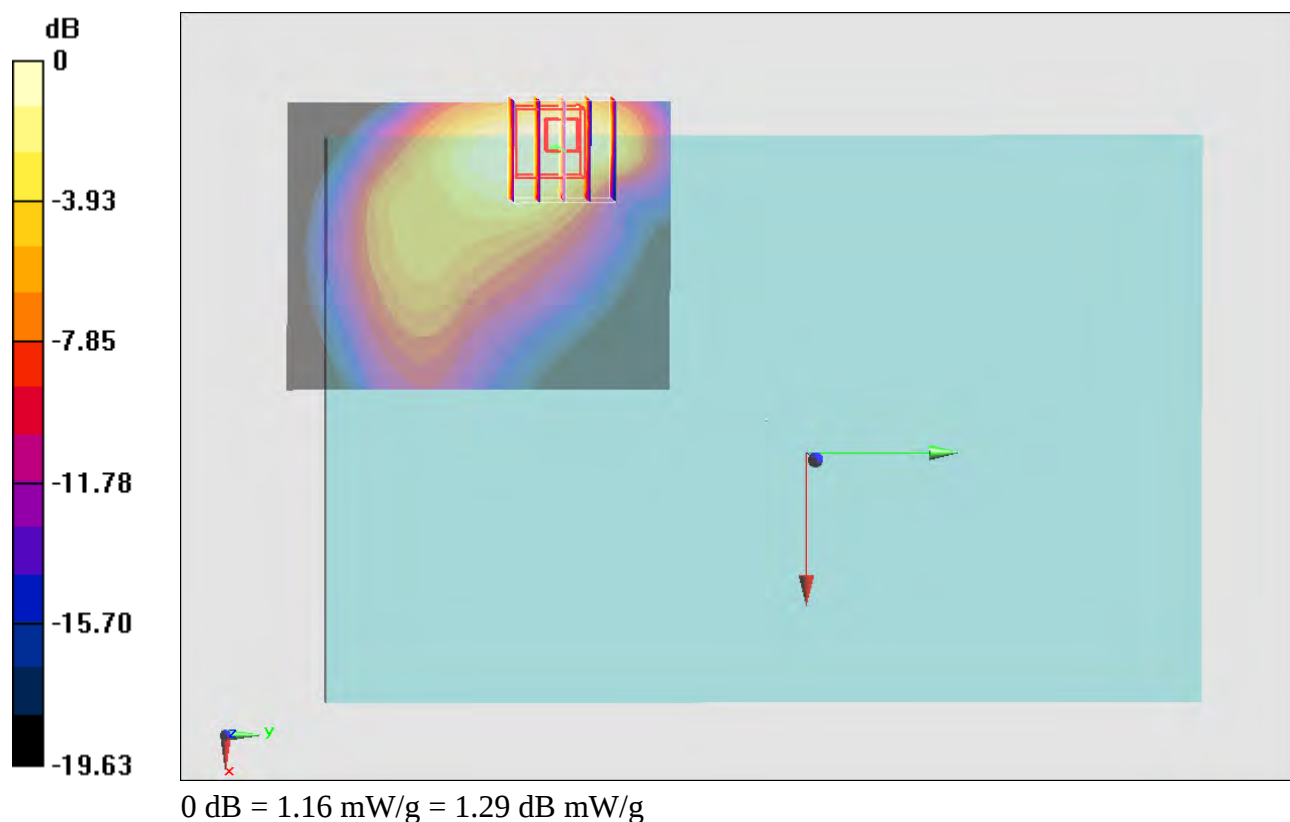
Configuration/Ch20175/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 29.256 V/m; Power Drift = 0.07 dB

Peak SAR (extrapolated) = 1.910 mW/g

SAR(1 g) = 1.1 mW/g; SAR(10 g) = 0.576 mW/g

Maximum value of SAR (measured) = 1.16 mW/g



#354_ LTE Band 4_20M_QPSK 1RB 0offset_Bottom Face_0cm_Ch20300**DUT: 12-4-138**

Communication System: LTE; Frequency: 1745 MHz; Duty Cycle: 1:1

Medium: MSL_1750_130117 Medium parameters used: $f = 1745$ MHz; $\sigma = 1.541$ mho/m; $\epsilon_r = 51.528$; ρ

$= 1000$ kg/m³

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

DASY5 Configuration:

- Probe: ET3DV6 - SN1787; ConvF(4.81, 4.81, 4.81); Calibrated: 2012/5/29;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn495; Calibrated: 2012/4/23
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP:1127
- Measurement SW: DASY52, Version 52.8 (3); SEMCAD X Version 14.6.5 (6469)

Configuration/Ch20300/Area Scan (61x81x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 1.35 mW/g

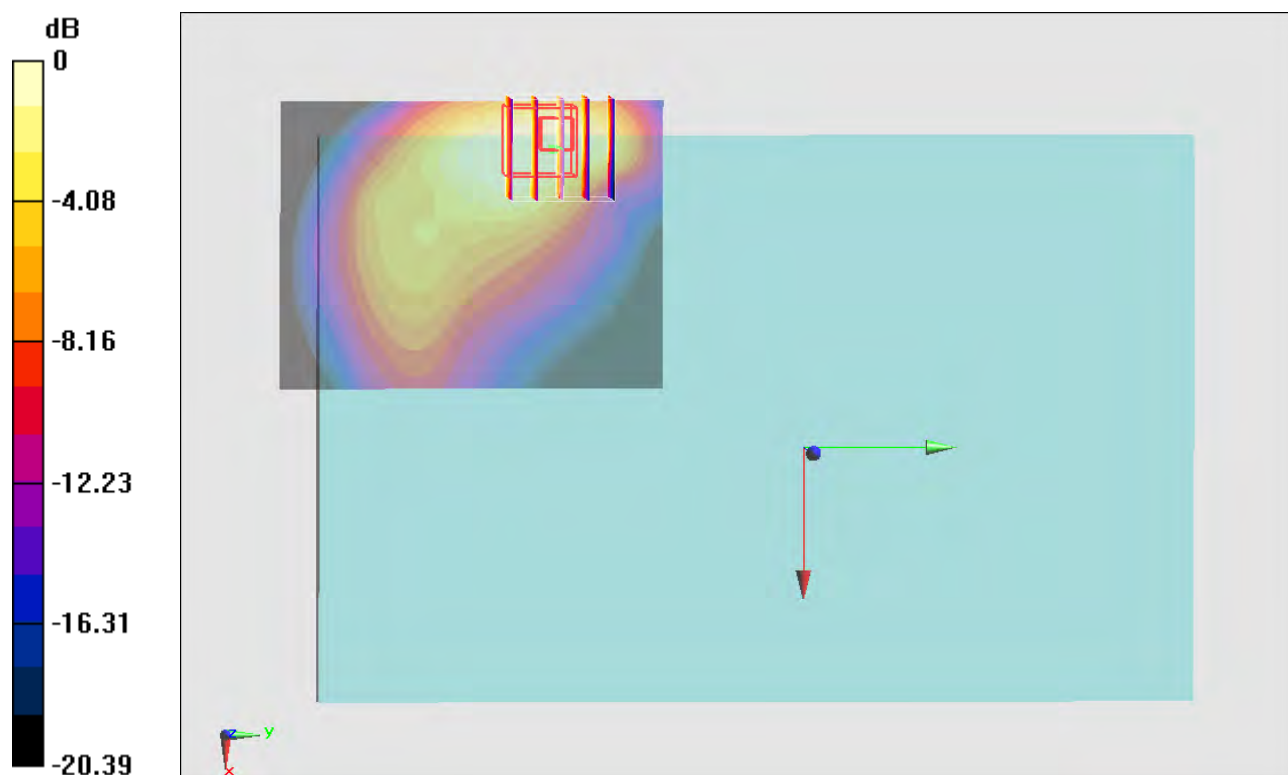
Configuration/Ch20300/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 28.814 V/m; Power Drift = 0.08 dB

Peak SAR (extrapolated) = 1.906 mW/g

SAR(1 g) = 1.09 mW/g; SAR(10 g) = 0.569 mW/g

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



#355_ LTE Band 4_20M_QPSK 50RB 0offset_Bottom Face_0cm_Ch20050**DUT: 12-4-138**

Communication System: LTE; Frequency: 1720 MHz; Duty Cycle: 1:1

Medium: MSL_1750_130117 Medium parameters used: $f = 1720$ MHz; $\sigma = 1.513$ mho/m; $\epsilon_r = 51.593$; ρ

$= 1000$ kg/m³

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

DASY5 Configuration:

- Probe: ET3DV6 - SN1787; ConvF(4.81, 4.81, 4.81); Calibrated: 2012/5/29;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn495; Calibrated: 2012/4/23
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP:1127
- Measurement SW: DASY52, Version 52.8 (3); SEMCAD X Version 14.6.5 (6469)

Configuration/Ch20050/Area Scan (61x81x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 1.36 mW/g

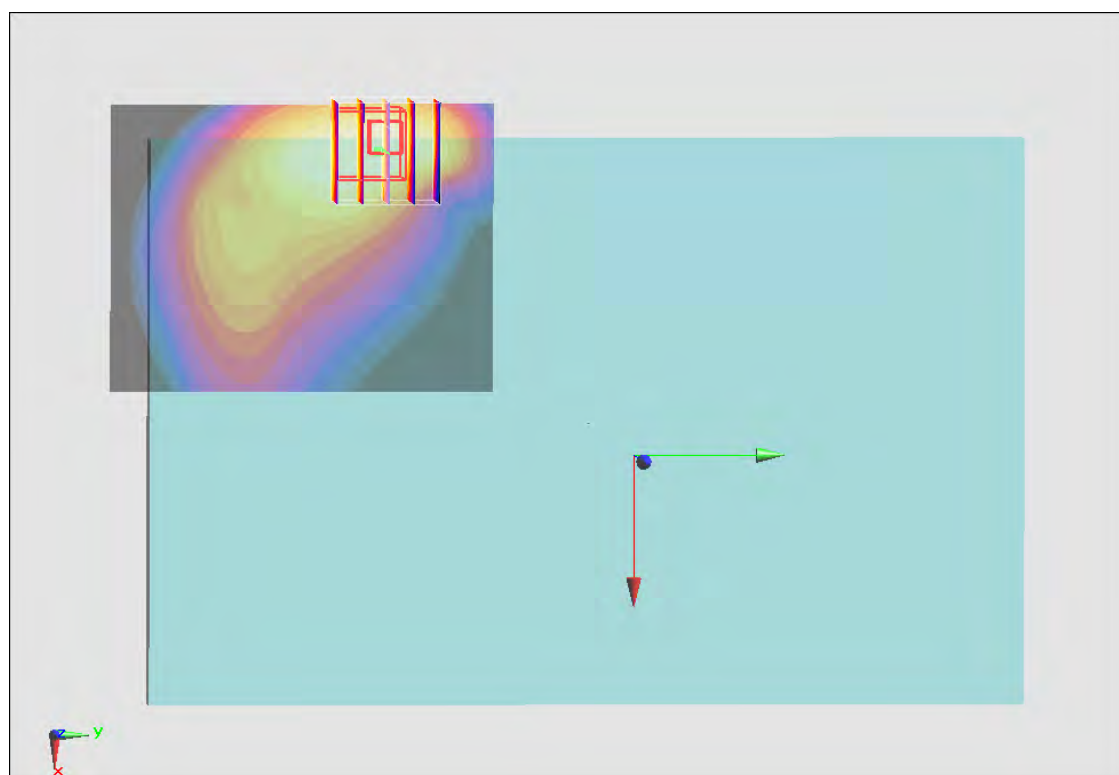
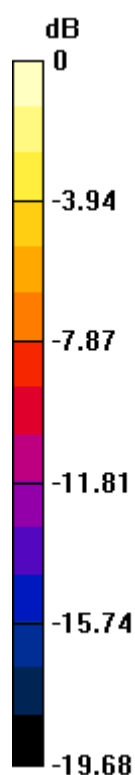
Configuration/Ch20050/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 29.140 V/m; Power Drift = 0.13 dB

Peak SAR (extrapolated) = 1.912 mW/g

SAR(1 g) = 1.09 mW/g; SAR(10 g) = 0.572 mW/g

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



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

#356_ LTE Band 4_20M_QPSK 50RB 0offset_Bottom Face_0cm_Ch20175**DUT: 12-4-138**

Communication System: LTE; Frequency: 1732.5 MHz; Duty Cycle: 1:1

Medium: MSL_1750_130117 Medium parameters used: $f = 1732.5$ MHz; $\sigma = 1.528$ mho/m; $\epsilon_r = 51.561$;

$\rho = 1000$ kg/m³

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

DASY5 Configuration:

- Probe: ET3DV6 - SN1787; ConvF(4.81, 4.81, 4.81); Calibrated: 2012/5/29;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn495; Calibrated: 2012/4/23
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP:1127
- Measurement SW: DASY52, Version 52.8 (3); SEMCAD X Version 14.6.5 (6469)

Configuration/Ch20175/Area Scan (61x81x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 1.24 mW/g

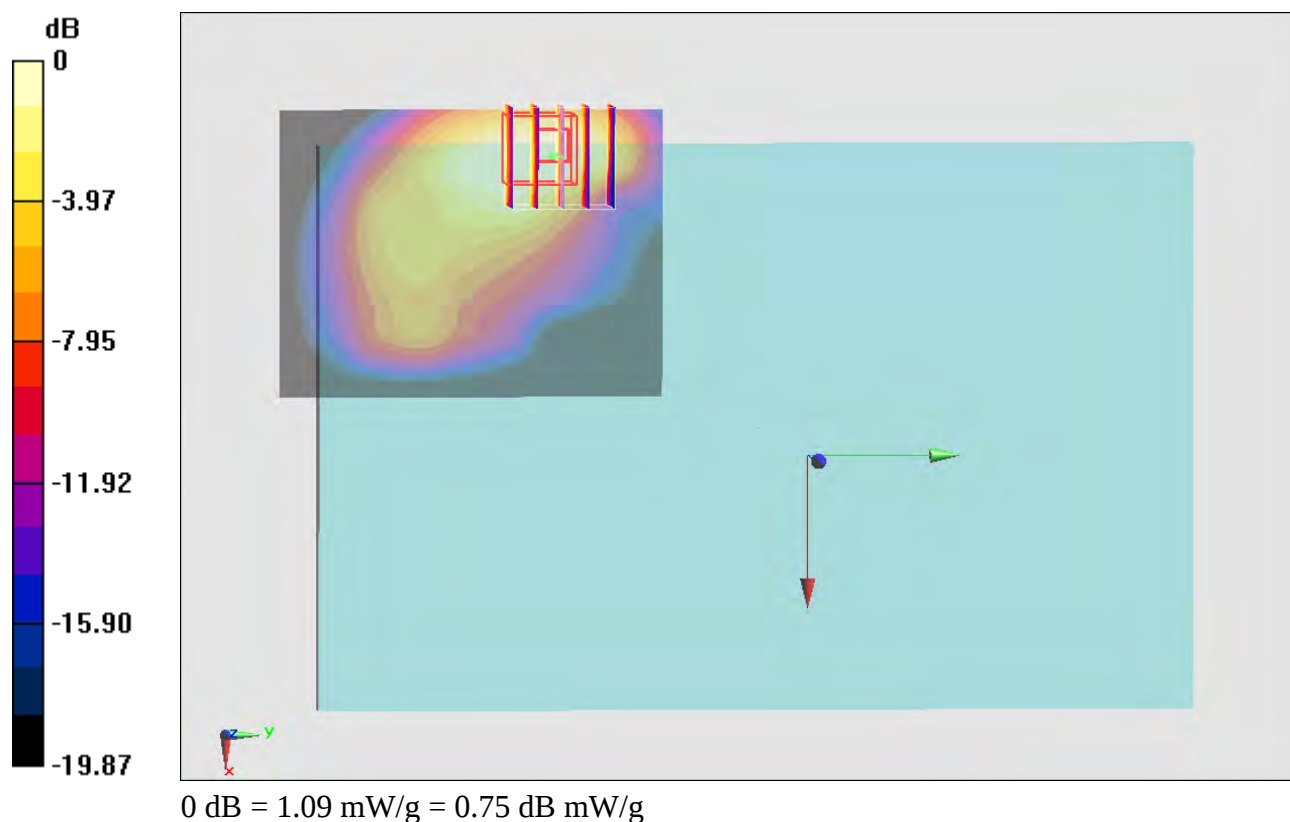
Configuration/Ch20175/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 0.261 V/m; Power Drift = 0.078 dB

Peak SAR (extrapolated) = 1.751 mW/g

SAR(1 g) = 1.01 mW/g; SAR(10 g) = 0.531 mW/g

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



#357_ LTE Band 4_20M_QPSK 50RB 0offset_Bottom Face_0cm_Ch20300**DUT: 12-4-138**

Communication System: LTE; Frequency: 1745 MHz; Duty Cycle: 1:1

Medium: MSL_1750_130117 Medium parameters used: $f = 1745$ MHz; $\sigma = 1.541$ mho/m; $\epsilon_r = 51.528$; ρ

$= 1000$ kg/m³

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

DASY5 Configuration:

- Probe: ET3DV6 - SN1787; ConvF(4.81, 4.81, 4.81); Calibrated: 2012/5/29;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn495; Calibrated: 2012/4/23
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP:1127
- Measurement SW: DASY52, Version 52.8 (3); SEMCAD X Version 14.6.5 (6469)

Configuration/Ch20300/Area Scan (61x81x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 1.28 mW/g

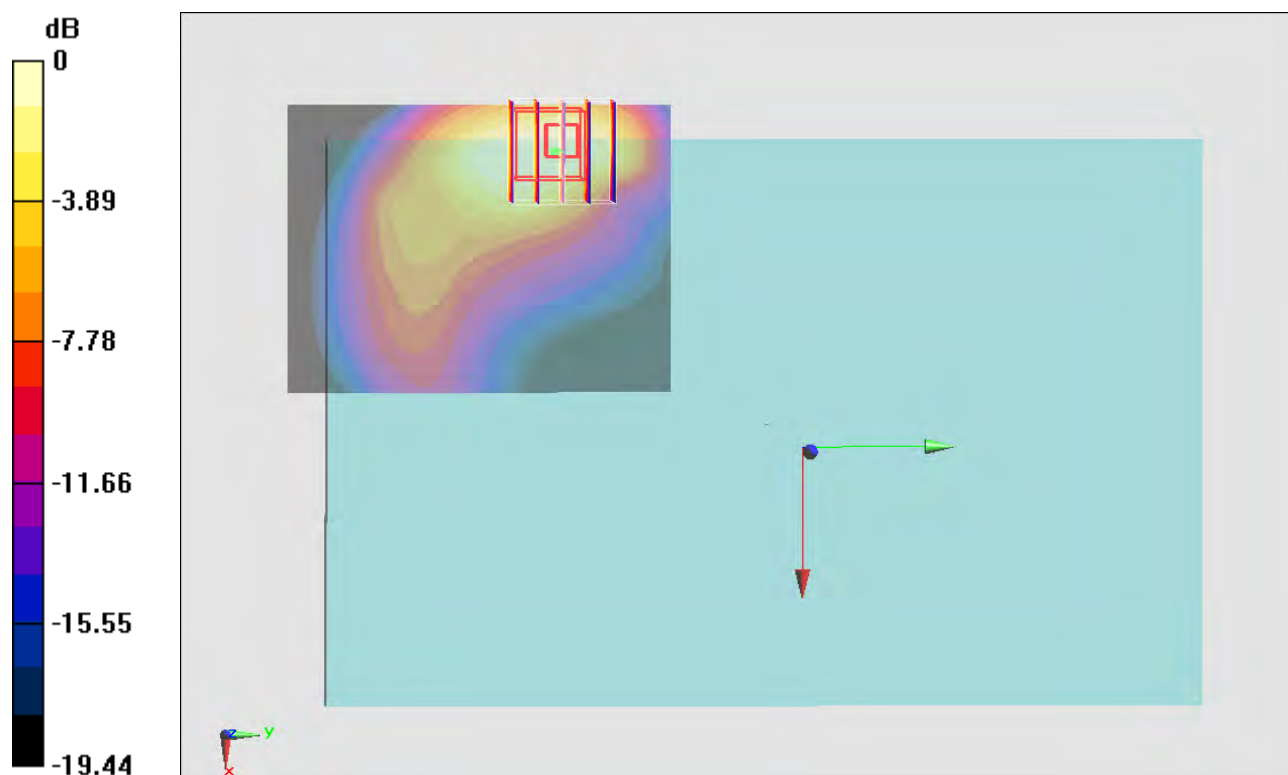
Configuration/Ch20300/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 28.765 V/m; Power Drift = 0.09 dB

Peak SAR (extrapolated) = 1.795 mW/g

SAR(1 g) = 1.04 mW/g; SAR(10 g) = 0.547 mW/g

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



#358_LTE Band 4_20M_QPSK 100RB 0offset_Bottom Face_0cm_Ch20050**DUT: 12-4-138**

Communication System: LTE; Frequency: 1720 MHz; Duty Cycle: 1:1

Medium: MSL_1750_130117 Medium parameters used: $f = 1720$ MHz; $\sigma = 1.513$ mho/m; $\epsilon_r = 51.593$; ρ

$= 1000$ kg/m³

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

DASY5 Configuration:

- Probe: ET3DV6 - SN1787; ConvF(4.81, 4.81, 4.81); Calibrated: 2012/5/29;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn495; Calibrated: 2012/4/23
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP:1127
- Measurement SW: DASY52, Version 52.8 (3); SEMCAD X Version 14.6.5 (6469)

Configuration/Ch20050/Area Scan (61x81x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 1.31 mW/g

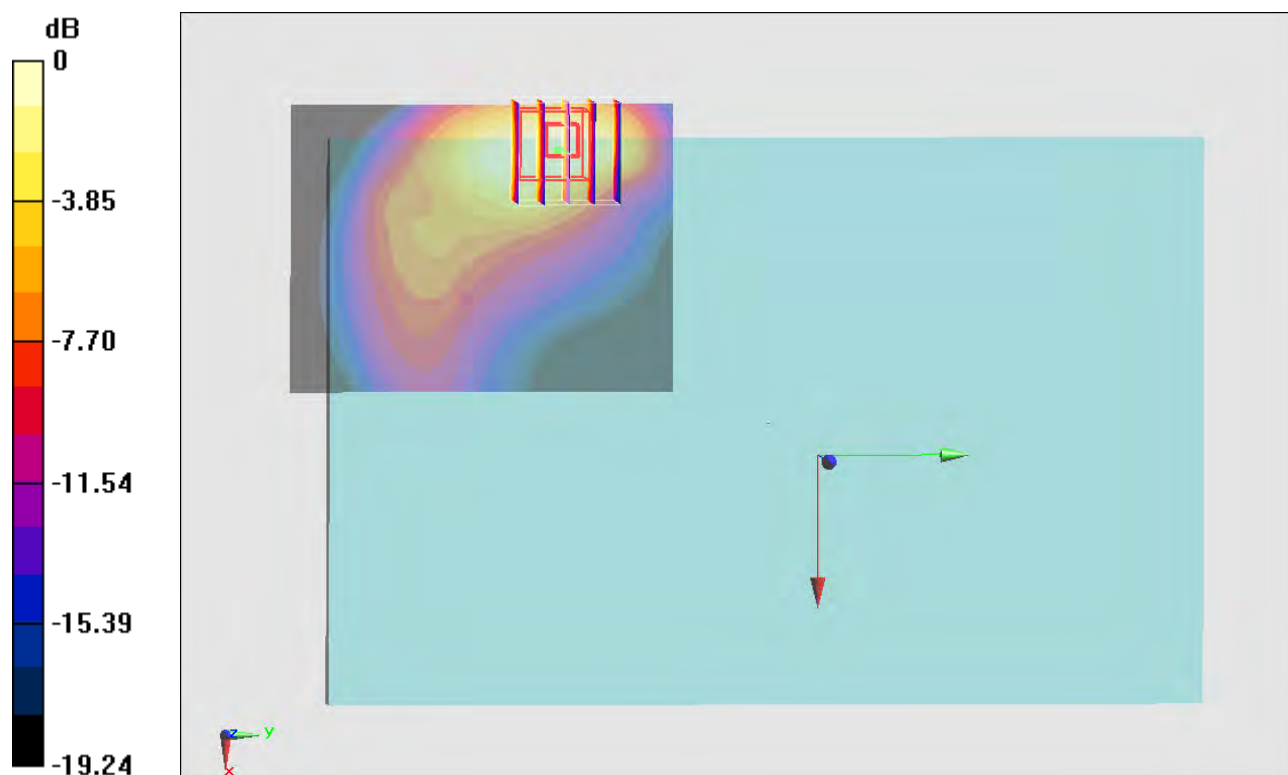
Configuration/Ch20050/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 29.447 V/m; Power Drift = 0.12 dB

Peak SAR (extrapolated) = 1.857 mW/g

SAR(1 g) = 1.07 mW/g; SAR(10 g) = 0.566 mW/g

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



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

#359_LTE Band 4_20M_QPSK 1RB 0offset_Edge3_0cm_Ch20050**DUT: 12-4-138**

Communication System: LTE; Frequency: 1720 MHz; Duty Cycle: 1:1

Medium: MSL_1750_130117 Medium parameters used: $f = 1720$ MHz; $\sigma = 1.513$ mho/m; $\epsilon_r = 51.593$; ρ

$= 1000$ kg/m³

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

DASY5 Configuration:

- Probe: ET3DV6 - SN1787; ConvF(4.81, 4.81, 4.81); Calibrated: 2012/5/29;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn495; Calibrated: 2012/4/23
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP:1127
- Measurement SW: DASY52, Version 52.8 (3); SEMCAD X Version 14.6.5 (6469)

Configuration/Ch20050/Area Scan (41x101x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 1.38 mW/g

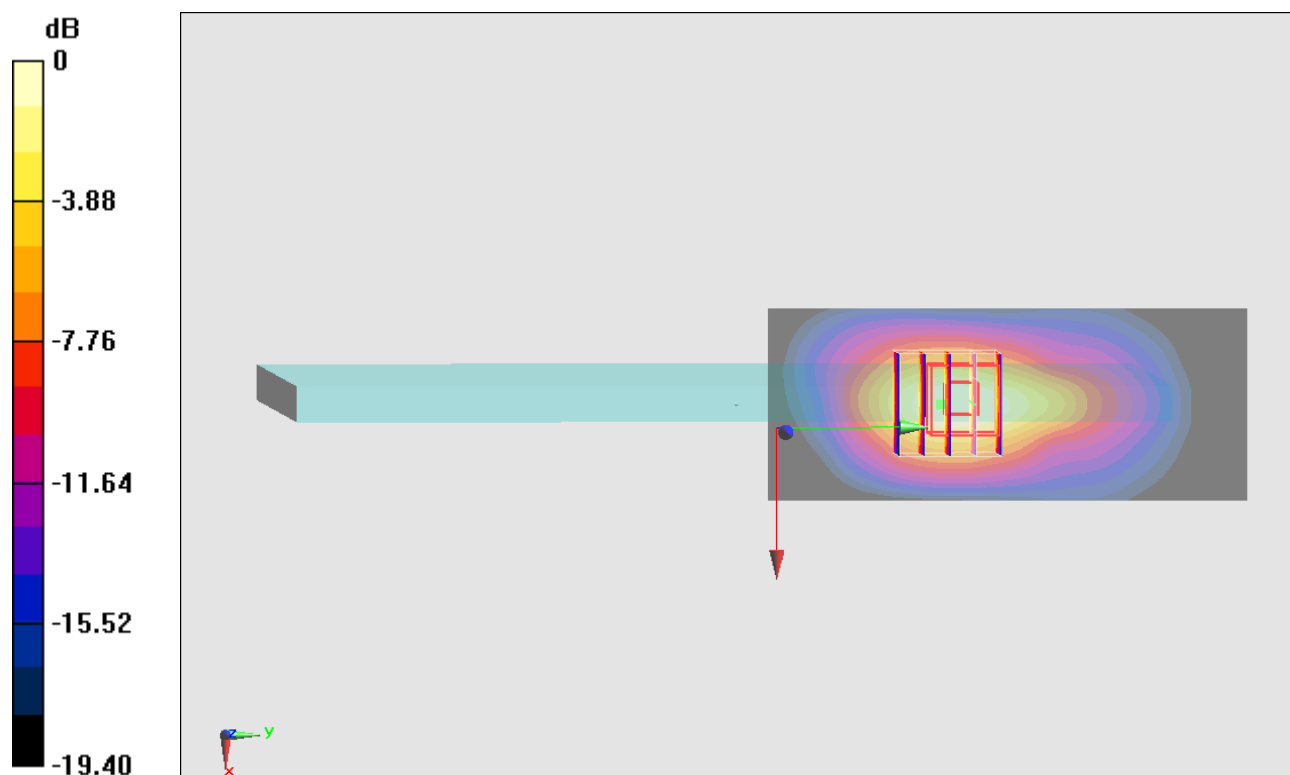
Configuration/Ch20050/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 31.525 V/m; Power Drift = -0.08 dB

Peak SAR (extrapolated) = 1.904 mW/g

SAR(1 g) = 1.18 mW/g; SAR(10 g) = 0.626 mW/g

Maximum value of SAR (measured) = 1.34 mW/g



0 dB = 1.34 mW/g = 2.54 dB mW/g

#360_LTE Band 4_20M_QPSK 1RB 0offset_Edge3_0cm_Ch20175**DUT: 12-4-138**

Communication System: LTE; Frequency: 1732.5 MHz; Duty Cycle: 1:1

Medium: MSL_1750_130117 Medium parameters used: $f = 1732.5$ MHz; $\sigma = 1.528$ mho/m; $\epsilon_r = 51.561$;

$\rho = 1000$ kg/m³

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

DASY5 Configuration:

- Probe: ET3DV6 - SN1787; ConvF(4.81, 4.81, 4.81); Calibrated: 2012/5/29;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn495; Calibrated: 2012/4/23
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP:1127
- Measurement SW: DASY52, Version 52.8 (3); SEMCAD X Version 14.6.5 (6469)

Configuration/Ch20175/Area Scan (41x101x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 1.32 mW/g

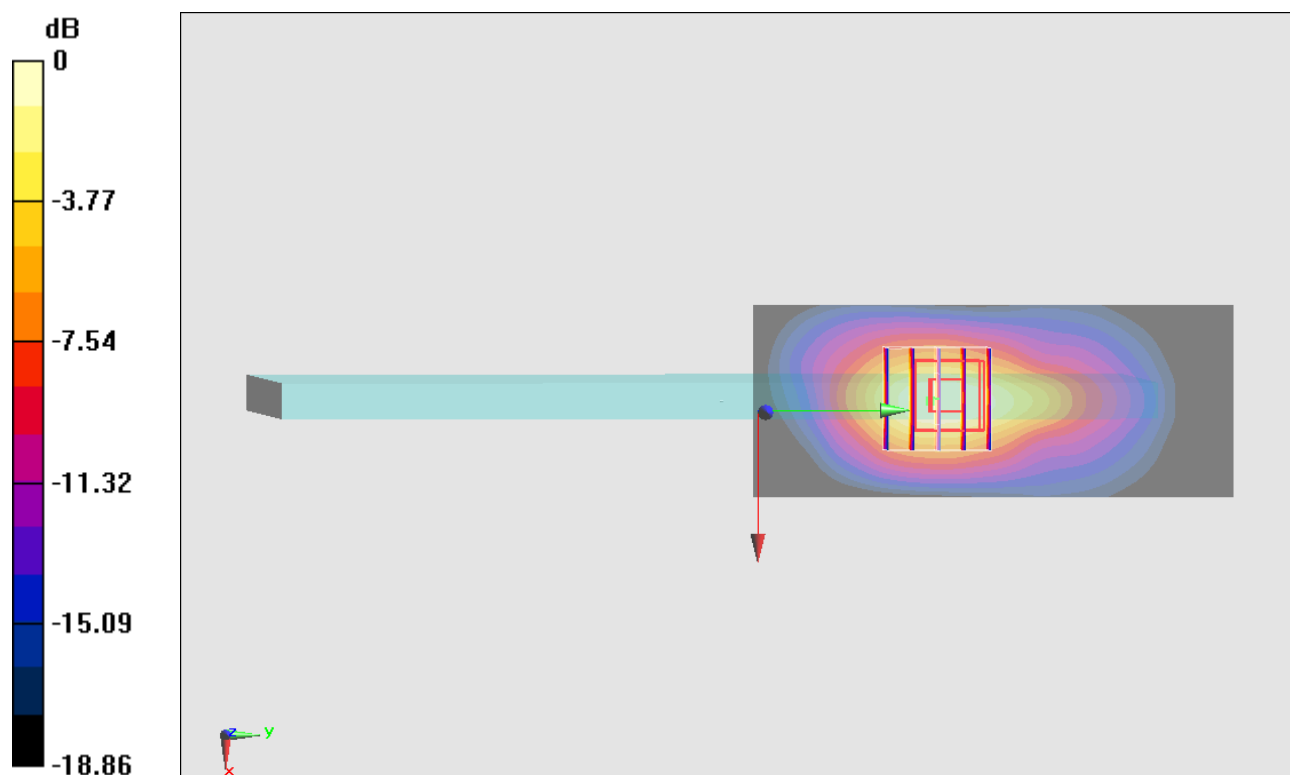
Configuration/Ch20175/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 30.991 V/m; Power Drift = 0.07 dB

Peak SAR (extrapolated) = 1.858 mW/g

SAR(1 g) = 1.14 mW/g; SAR(10 g) = 0.603 mW/g

Maximum value of SAR (measured) = 1.28 mW/g



0 dB = 1.28 mW/g = 2.14 dB mW/g

#361_ LTE Band 4_20M_QPSK 1RB 0offset_Edge3_0cm_Ch20300**DUT: 12-4-138**

Communication System: LTE; Frequency: 1745 MHz; Duty Cycle: 1:1

Medium: MSL_1750_130117 Medium parameters used: $f = 1745$ MHz; $\sigma = 1.541$ mho/m; $\epsilon_r = 51.528$; ρ

$= 1000$ kg/m³

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

DASY5 Configuration:

- Probe: ET3DV6 - SN1787; ConvF(4.81, 4.81, 4.81); Calibrated: 2012/5/29;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn495; Calibrated: 2012/4/23
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP:1127
- Measurement SW: DASY52, Version 52.8 (3); SEMCAD X Version 14.6.5 (6469)

Configuration/Ch20300/Area Scan (41x101x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 1.26 mW/g

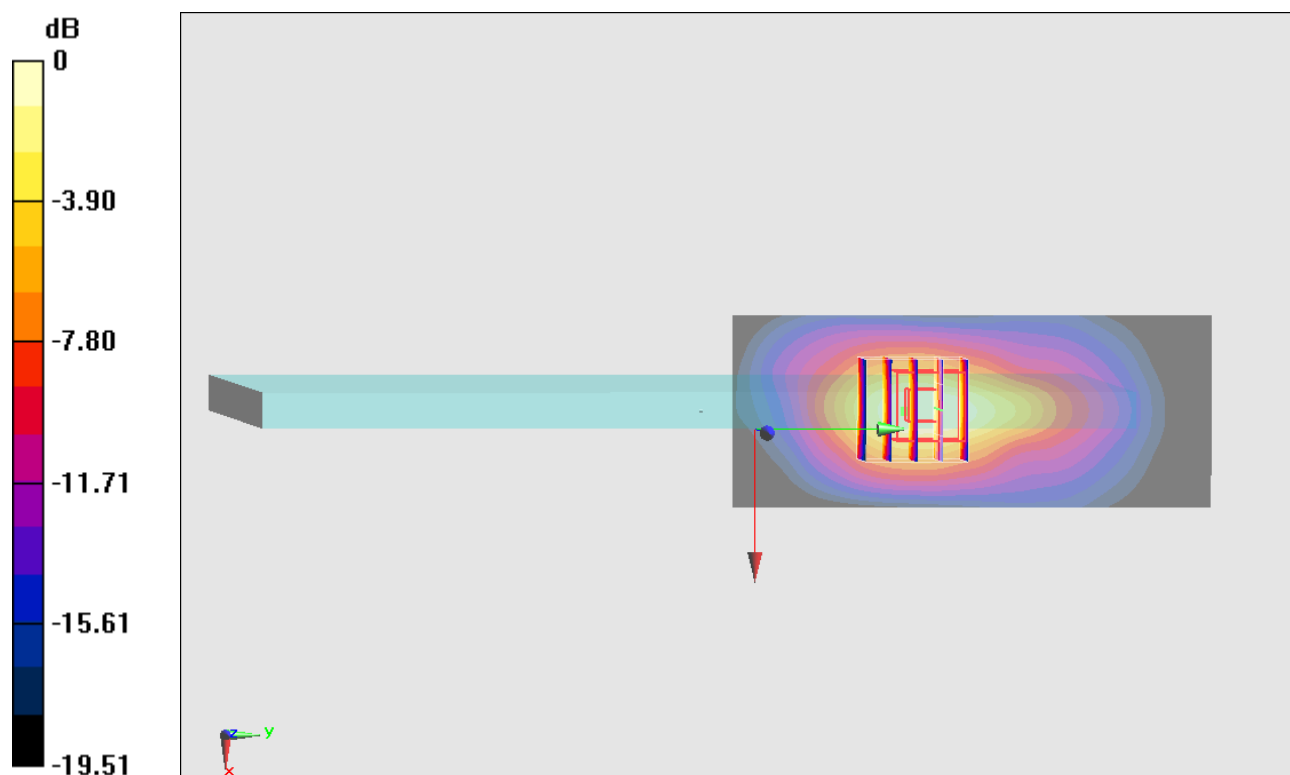
Configuration/Ch20300/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 30.457 V/m; Power Drift = -0.10 dB

Peak SAR (extrapolated) = 1.813 mW/g

SAR(1 g) = 1.12 mW/g; SAR(10 g) = 0.594 mW/g

Maximum value of SAR (measured) = 1.25 mW/g



0 dB = 1.25 mW/g = 1.94 dB mW/g

#362_ LTE Band 4_20M_QPSK 50RB 0offset_Edge3_0cm_Ch20050**DUT: 12-4-138**

Communication System: LTE; Frequency: 1720 MHz; Duty Cycle: 1:1

Medium: MSL_1750_130117 Medium parameters used: $f = 1720$ MHz; $\sigma = 1.513$ mho/m; $\epsilon_r = 51.593$; ρ

$= 1000$ kg/m³

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

DASY5 Configuration:

- Probe: ET3DV6 - SN1787; ConvF(4.81, 4.81, 4.81); Calibrated: 2012/5/29;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn495; Calibrated: 2012/4/23
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP:1127
- Measurement SW: DASY52, Version 52.8 (3); SEMCAD X Version 14.6.5 (6469)

Configuration/Ch20050/Area Scan (41x101x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 1.33 mW/g

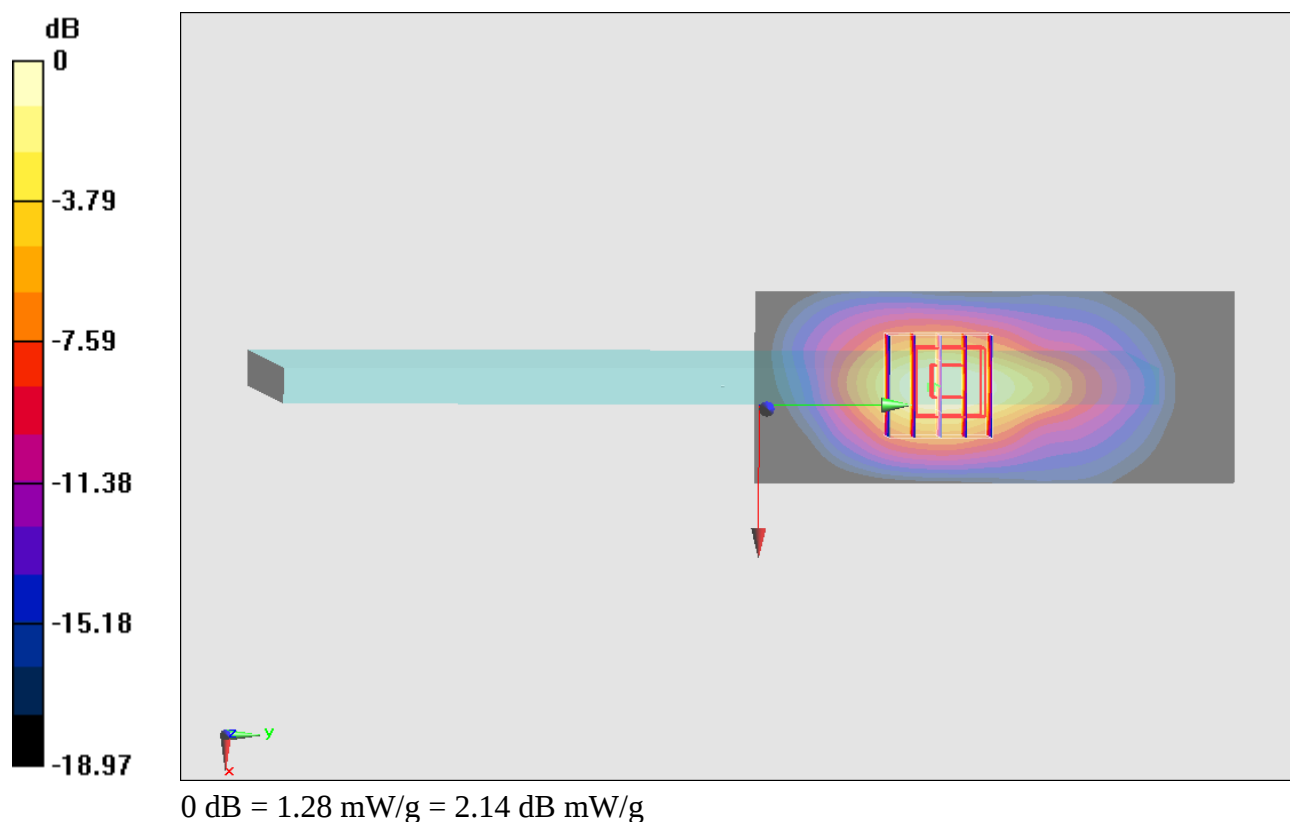
Configuration/Ch20050/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 31.393 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 1.940 mW/g

SAR(1 g) = 1.15 mW/g; SAR(10 g) = 0.603 mW/g

Maximum value of SAR (measured) = 1.28 mW/g



#363_ LTE Band 4_20M_QPSK 50RB 0offset_Edge3_0cm_Ch20175**DUT: 12-4-138**

Communication System: LTE; Frequency: 1732.5 MHz; Duty Cycle: 1:1

Medium: MSL_1750_130117 Medium parameters used : $f = 1732.5$ MHz; $\sigma = 1.528$ mho/m; $\epsilon_r = 51.561$;

$\rho = 1000$ kg/m³

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

DASY5 Configuration:

- Probe: ET3DV6 - SN1787; ConvF(4.81, 4.81, 4.81); Calibrated: 2012/5/29;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn495; Calibrated: 2012/4/23
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP:1127
- Measurement SW: DASY52, Version 52.8 (3); SEMCAD X Version 14.6.5 (6469)

Configuration/Ch20175/Area Scan (41x101x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 1.34 mW/g

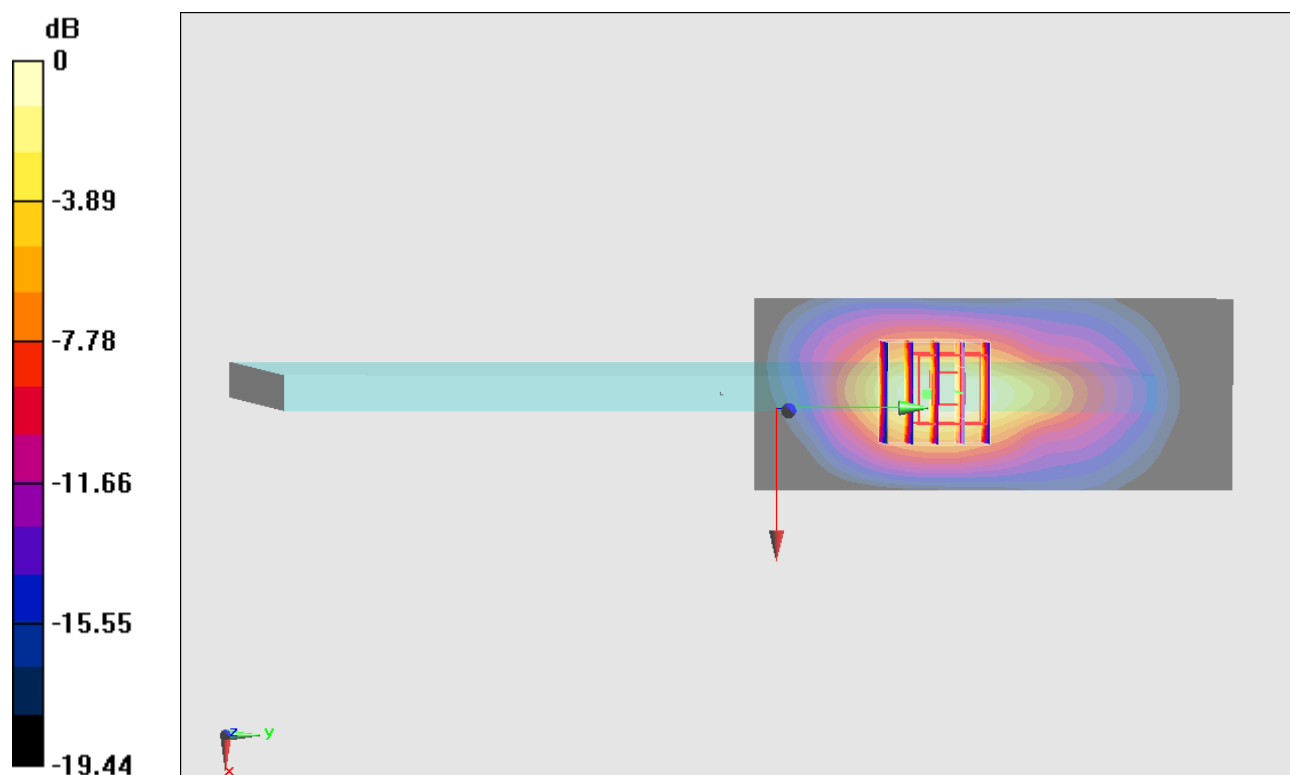
Configuration/Ch20175/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 30.994 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 1.951 mW/g

SAR(1 g) = 1.16 mW/g; SAR(10 g) = 0.610 mW/g

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



#364_ LTE Band 4_20M_QPSK 50RB 0offset_Edge3_0cm_Ch20300**DUT: 12-4-138**

Communication System: LTE; Frequency: 1745 MHz; Duty Cycle: 1:1

Medium: MSL_1750_130117 Medium parameters used: $f = 1745$ MHz; $\sigma = 1.541$ mho/m; $\epsilon_r = 51.528$; ρ

$= 1000$ kg/m³

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

DASY5 Configuration:

- Probe: ET3DV6 - SN1787; ConvF(4.81, 4.81, 4.81); Calibrated: 2012/5/29;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn495; Calibrated: 2012/4/23
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP:1127
- Measurement SW: DASY52, Version 52.8 (3); SEMCAD X Version 14.6.5 (6469)

Configuration/Ch20300/Area Scan (41x101x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 1.22 mW/g

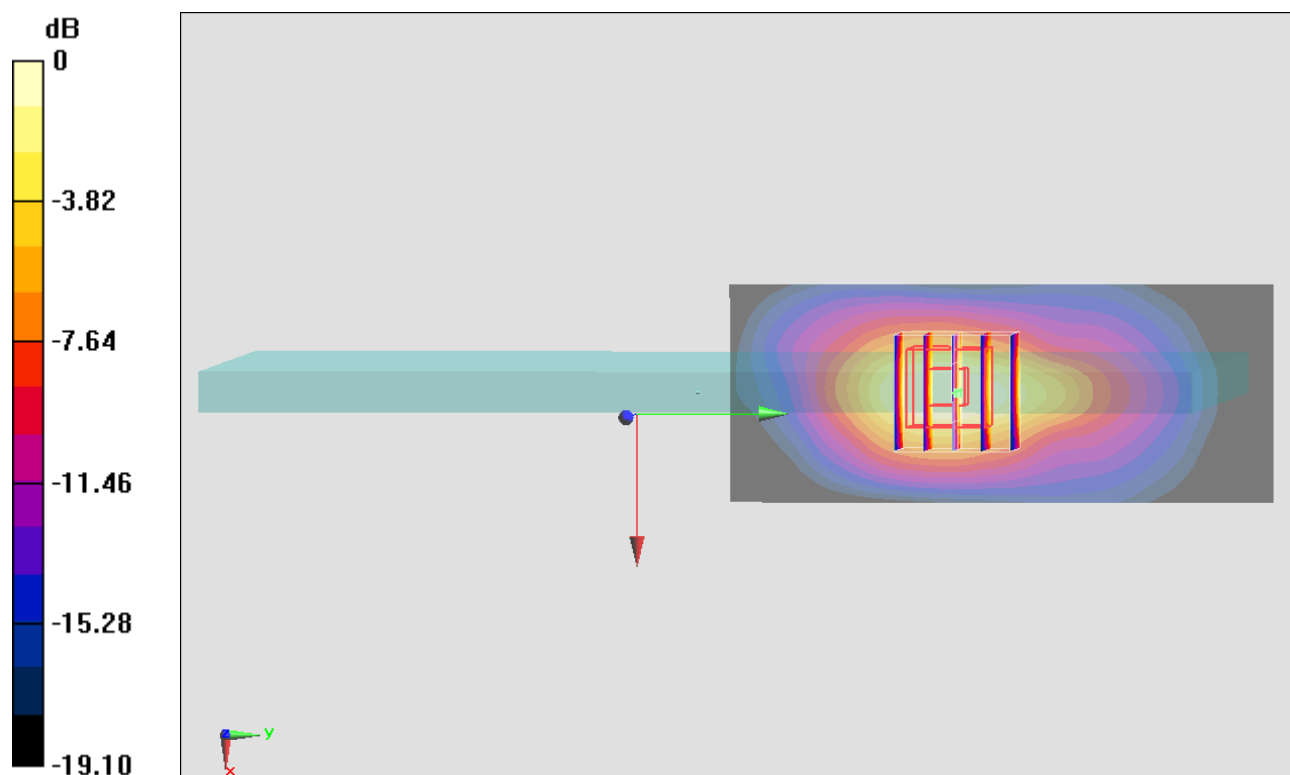
Configuration/Ch20300/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 29.733 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 1.687 mW/g

SAR(1 g) = 1.03 mW/g; SAR(10 g) = 0.541 mW/g

Maximum value of SAR (measured) = 1.16 mW/g



0 dB = 1.16 mW/g = 1.29 dB mW/g

#365_ LTE Band 4_20M_QPSK 100RB 0offset_Edge3_0cm_Ch20050**DUT: 12-4-138**

Communication System: LTE; Frequency: 1720 MHz; Duty Cycle: 1:1

Medium: MSL_1750_130117 Medium parameters used: $f = 1720$ MHz; $\sigma = 1.513$ mho/m; $\epsilon_r = 51.593$; ρ

$= 1000$ kg/m³

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

DASY5 Configuration:

- Probe: ET3DV6 - SN1787; ConvF(4.81, 4.81, 4.81); Calibrated: 2012/5/29;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn495; Calibrated: 2012/4/23
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP:1127
- Measurement SW: DASY52, Version 52.8 (3); SEMCAD X Version 14.6.5 (6469)

Configuration/Ch20050/Area Scan (41x101x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 1.32 mW/g

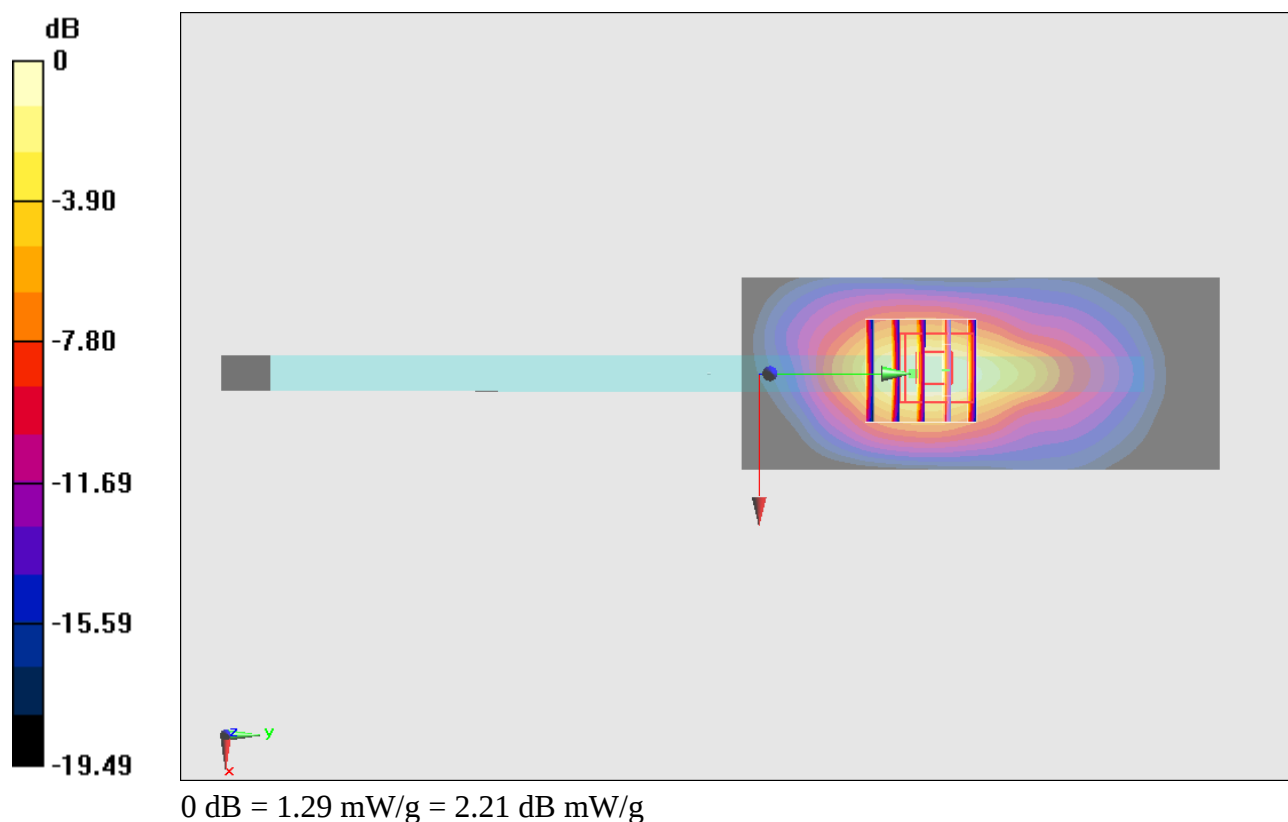
Configuration/Ch20050/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 30.730 V/m; Power Drift = 0.06 dB

Peak SAR (extrapolated) = 1.965 mW/g

SAR(1 g) = 1.15 mW/g; SAR(10 g) = 0.598 mW/g

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



#345_ LTE Band 4_20M_QPSK 1RB 0offset_Bottom Face_0cm_Ch20050;Curve**DUT: 12-4-138**

Communication System: LTE; Frequency: 1720 MHz; Duty Cycle: 1:1

Medium: MSL_1750_130117 Medium parameters used: $f = 1720$ MHz; $\sigma = 1.513$ mho/m; $\epsilon_r = 51.593$; ρ

$= 1000$ kg/m³

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

DASY5 Configuration:

- Probe: ET3DV6 - SN1787; ConvF(4.81, 4.81, 4.81); Calibrated: 2012/5/29;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn495; Calibrated: 2012/4/23
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP:1127
- Measurement SW: DASY52, Version 52.8 (3); SEMCAD X Version 14.6.5 (6469)

Configuration/Ch20050/Area Scan (61x81x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 1.58 mW/g

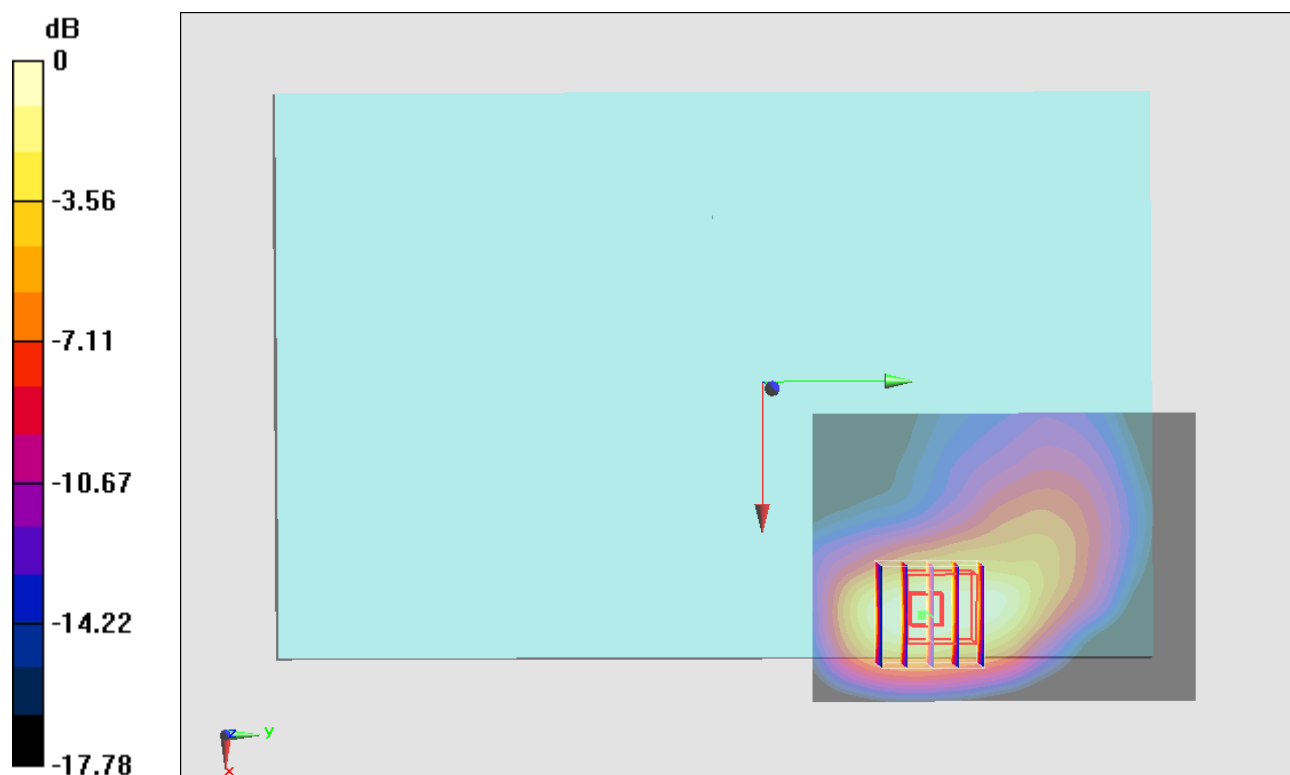
Configuration/Ch20050/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 34.149 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 2.146 mW/g

SAR(1 g) = 1.3 mW/g; SAR(10 g) = 0.710 mW/g

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



0 dB = 1.51 mW/g = 3.58 dB mW/g

**#377_LTE Band 4_20M_QPSK 1RB 0offset_Bottom
Face_0cm_Ch20050;Curve_Repeat****DUT: 12-4-138**

Communication System: LTE; Frequency: 1720 MHz; Duty Cycle: 1:1

Medium: MSL_1750_130117 Medium parameters used: $f = 1720$ MHz; $\sigma = 1.513$ mho/m; $\epsilon_r = 51.593$; $\rho = 1000$ kg/m³

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

DASY5 Configuration:

- Probe: ET3DV6 - SN1787; ConvF(4.81, 4.81, 4.81); Calibrated: 2012/5/29;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn495; Calibrated: 2012/4/23
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP:1127
- Measurement SW: DASY52, Version 52.8 (3); SEMCAD X Version 14.6.5 (6469)

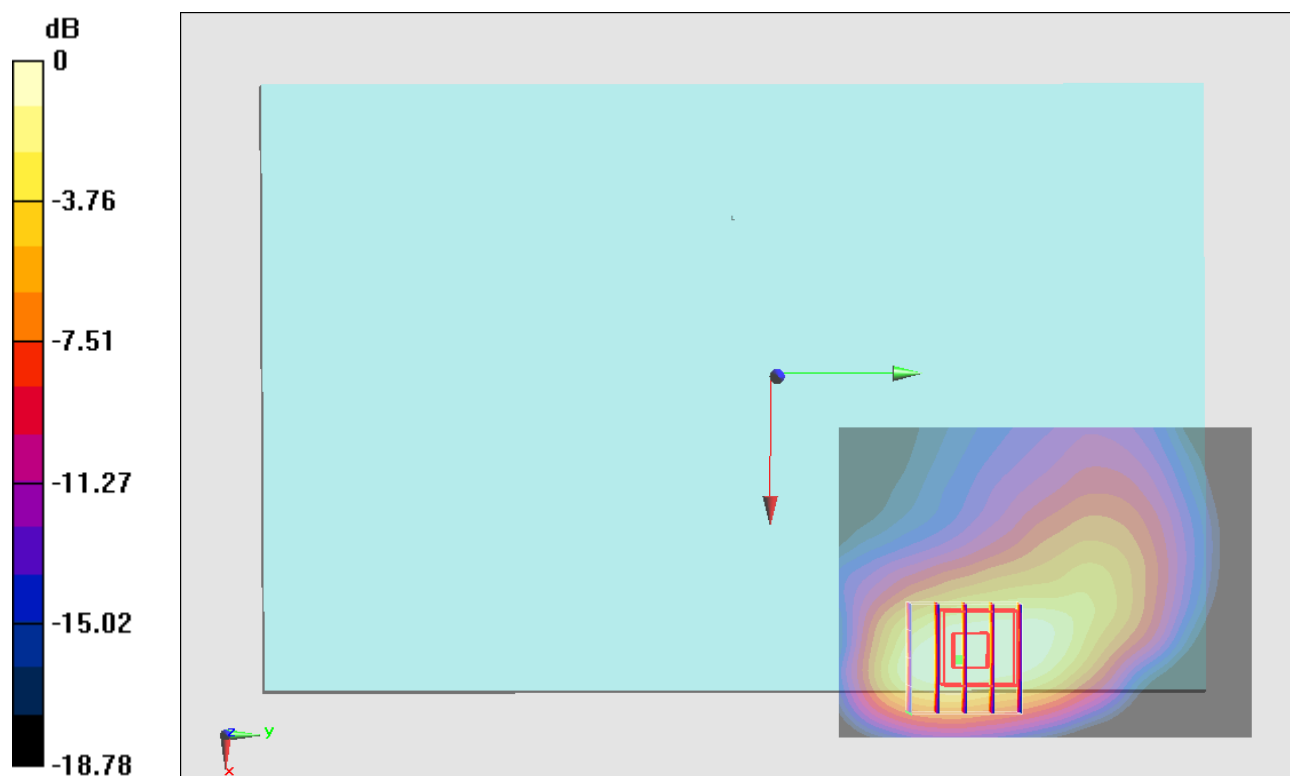
Configuration/Ch20050/Area Scan (61x81x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 1.71 mW/g**Configuration/Ch20050/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 35.928 V/m; Power Drift = -0.163 dB

Peak SAR (extrapolated) = 2.157 mW/g

SAR(1 g) = 1.27 mW/g; SAR(10 g) = 0.683 mW/g

Maximum value of SAR (measured) = 1.43 mW/g



#346_ LTE Band 4_20M_QPSK 1RB 0offset_Bottom Face_0cm_Ch20175;Curve**DUT: 12-4-138**

Communication System: LTE; Frequency: 1732.5 MHz; Duty Cycle: 1:1

Medium: MSL_1750_130117 Medium parameters used: $f = 1732.5$ MHz; $\sigma = 1.528$ mho/m; $\epsilon_r = 51.561$;

$\rho = 1000$ kg/m³

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

DASY5 Configuration:

- Probe: ET3DV6 - SN1787; ConvF(4.81, 4.81, 4.81); Calibrated: 2012/5/29;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn495; Calibrated: 2012/4/23
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP:1127
- Measurement SW: DASY52, Version 52.8 (3); SEMCAD X Version 14.6.5 (6469)

Configuration/Ch20175/Area Scan (61x81x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 1.43 mW/g

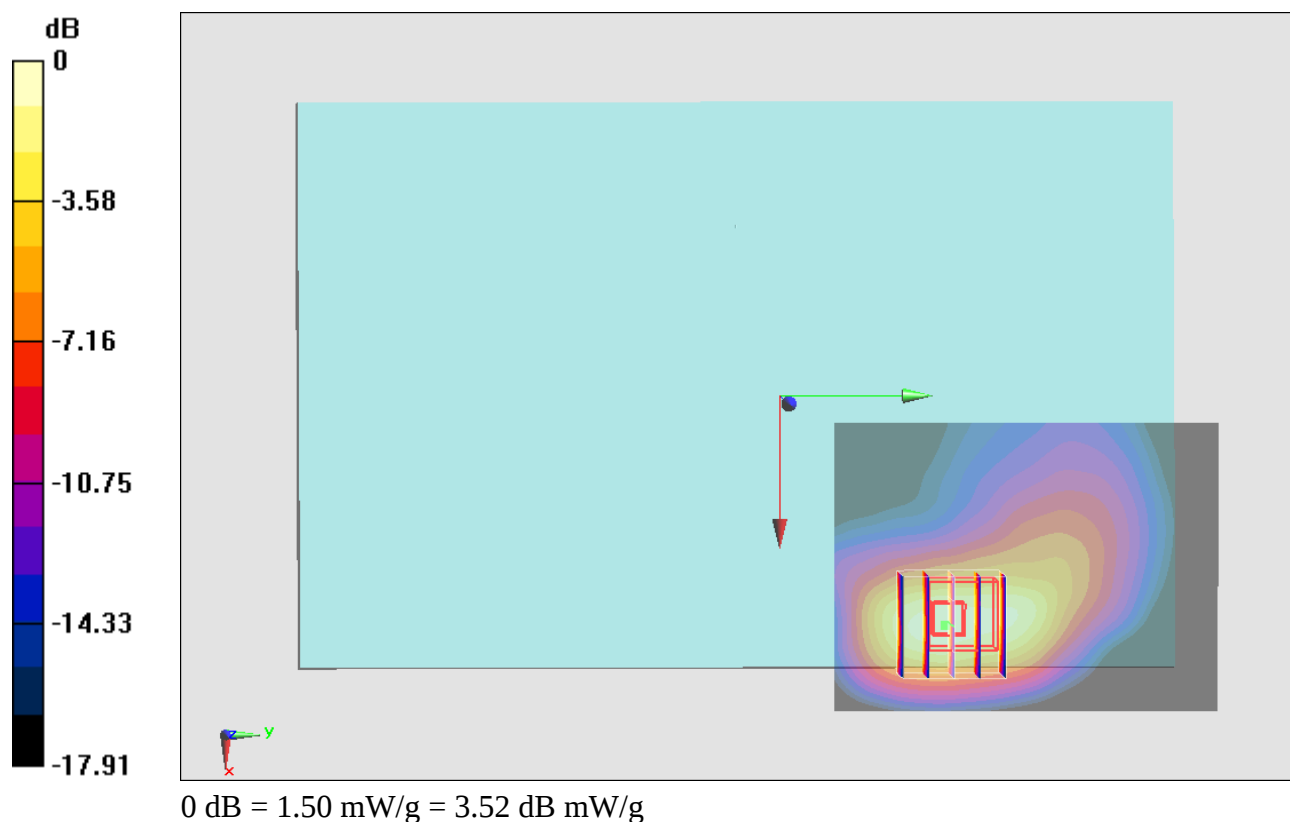
Configuration/Ch20175/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 33.724 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 2.182 mW/g

SAR(1 g) = 1.29 mW/g; SAR(10 g) = 0.703 mW/g

Maximum value of SAR (measured) = 1.50 mW/g



#347_ LTE Band 4_20M_QPSK 1RB 0offset_Bottom Face_0cm_Ch20300;Curve**DUT: 12-4-138**

Communication System: LTE; Frequency: 1745 MHz; Duty Cycle: 1:1

Medium: MSL_1750_130117 Medium parameters used: $f = 1745$ MHz; $\sigma = 1.541$ mho/m; $\epsilon_r = 51.528$; ρ

$= 1000$ kg/m³

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

DASY5 Configuration:

- Probe: ET3DV6 - SN1787; ConvF(4.81, 4.81, 4.81); Calibrated: 2012/5/29;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn495; Calibrated: 2012/4/23
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP:1127
- Measurement SW: DASY52, Version 52.8 (3); SEMCAD X Version 14.6.5 (6469)

Configuration/Ch20300/Area Scan (61x81x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 1.58 mW/g

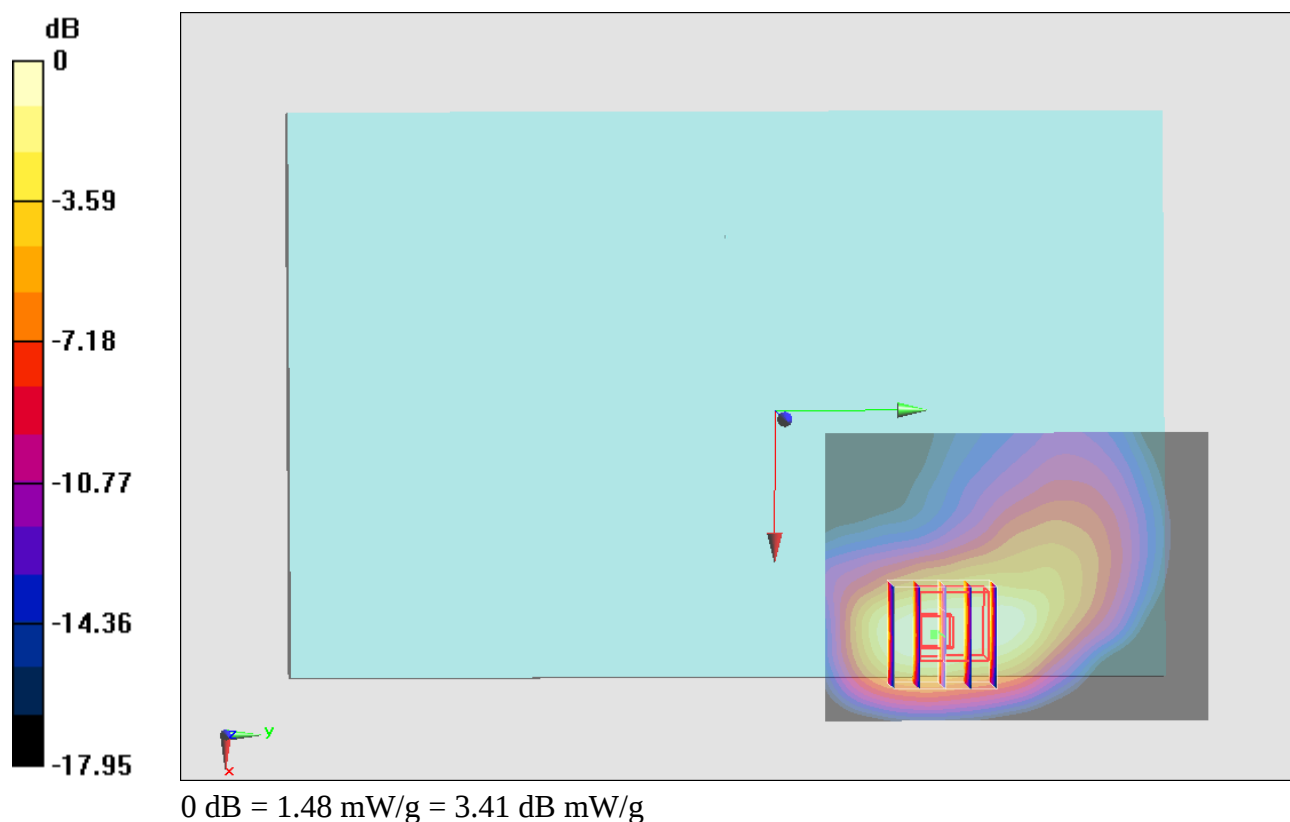
Configuration/Ch20300/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 34.882 V/m; Power Drift = -0.031 dB

Peak SAR (extrapolated) = 2.160 mW/g

SAR(1 g) = 1.28 mW/g; SAR(10 g) = 0.700 mW/g

Maximum value of SAR (measured) = 1.48 mW/g



#348_ LTE Band 4_20M_QPSK 50RB 0offset_Bottom Face_0cm_Ch20050;Curve**DUT: 12-4-138**

Communication System: LTE; Frequency: 1720 MHz; Duty Cycle: 1:1

Medium: MSL_1750_130117 Medium parameters used: $f = 1720$ MHz; $\sigma = 1.513$ mho/m; $\epsilon_r = 51.593$; ρ

$= 1000$ kg/m³

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

DASY5 Configuration:

- Probe: ET3DV6 - SN1787; ConvF(4.81, 4.81, 4.81); Calibrated: 2012/5/29;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn495; Calibrated: 2012/4/23
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP:1127
- Measurement SW: DASY52, Version 52.8 (3); SEMCAD X Version 14.6.5 (6469)

Configuration/Ch20050/Area Scan (61x81x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 1.39 mW/g

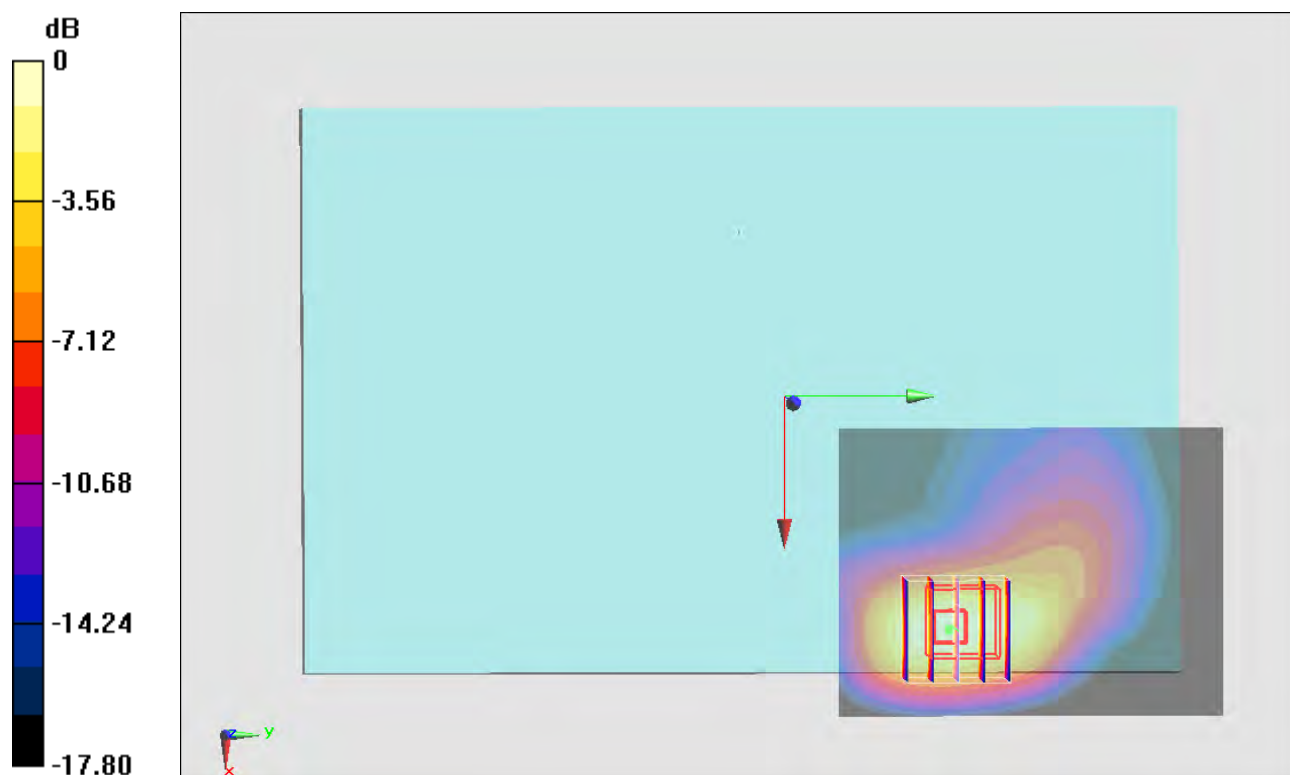
Configuration/Ch20050/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 33.593 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 2.104 mW/g

SAR(1 g) = 1.25 mW/g; SAR(10 g) = 0.675 mW/g

Maximum value of SAR (measured) = 1.45 mW/g



0 dB = 1.45 mW/g = 3.23 dB mW/g

#349_ LTE Band 4_20M_QPSK 50RB 0offset_Bottom Face_0cm_Ch20175;Curve**DUT: 12-4-138**

Communication System: LTE; Frequency: 1732.5 MHz; Duty Cycle: 1:1

Medium: MSL_1750_130117 Medium parameters used: $f = 1732.5$ MHz; $\sigma = 1.528$ mho/m; $\epsilon_r = 51.561$;

$\rho = 1000$ kg/m³

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

DASY5 Configuration:

- Probe: ET3DV6 - SN1787; ConvF(4.81, 4.81, 4.81); Calibrated: 2012/5/29;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn495; Calibrated: 2012/4/23
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP:1127
- Measurement SW: DASY52, Version 52.8 (3); SEMCAD X Version 14.6.5 (6469)

Configuration/Ch20175/Area Scan (61x81x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 1.30 mW/g

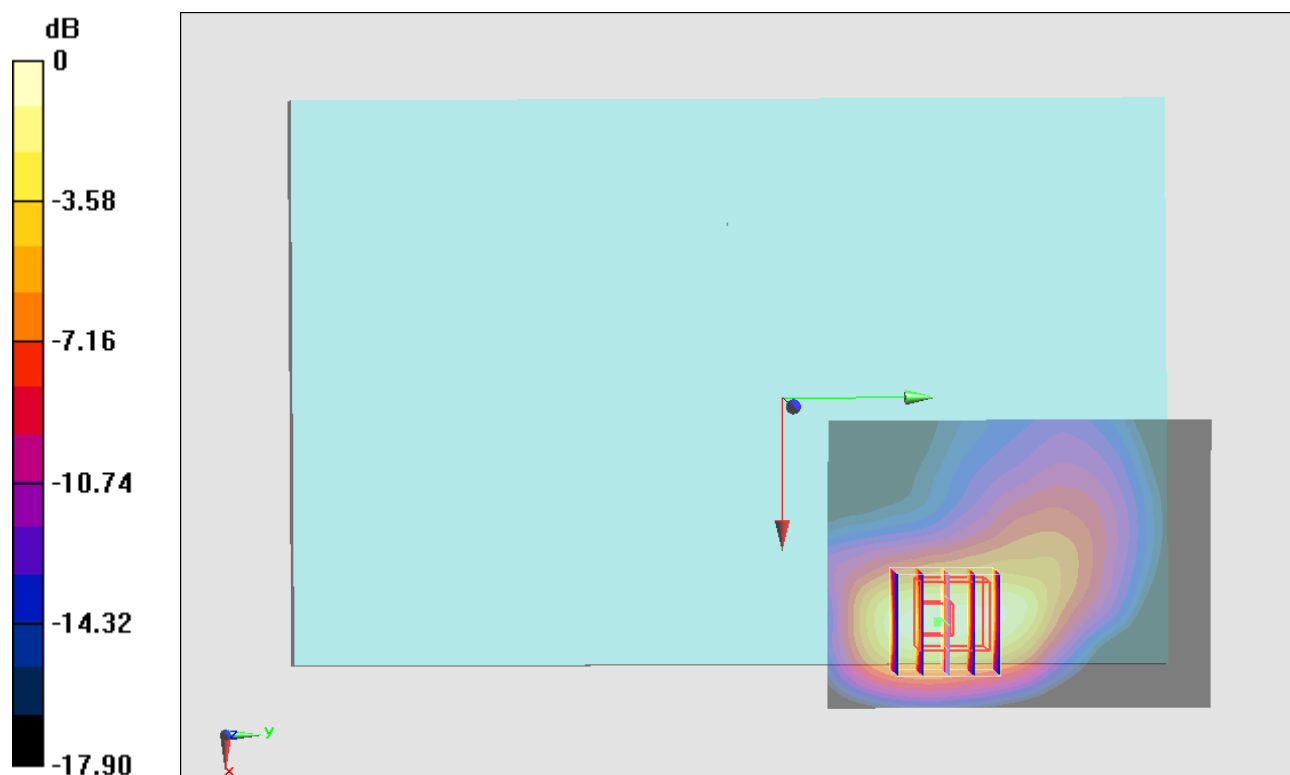
Configuration/Ch20175/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 32.324 V/m; Power Drift = -0.00 dB

Peak SAR (extrapolated) = 2.015 mW/g

SAR(1 g) = 1.17 mW/g; SAR(10 g) = 0.634 mW/g

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



0 dB = 1.36 mW/g = 2.67 dB mW/g

#350_ LTE Band 4_20M_QPSK 50RB 0offset_Bottom Face_0cm_Ch20300;Curve**DUT: 12-4-138**

Communication System: LTE; Frequency: 1745 MHz; Duty Cycle: 1:1

Medium: MSL_1750_130117 Medium parameters used: $f = 1745$ MHz; $\sigma = 1.541$ mho/m; $\epsilon_r = 51.528$; ρ

$= 1000$ kg/m³

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

DASY5 Configuration:

- Probe: ET3DV6 - SN1787; ConvF(4.81, 4.81, 4.81); Calibrated: 2012/5/29;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn495; Calibrated: 2012/4/23
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP:1127
- Measurement SW: DASY52, Version 52.8 (3); SEMCAD X Version 14.6.5 (6469)

Configuration/Ch20300/Area Scan (61x81x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 1.31 mW/g

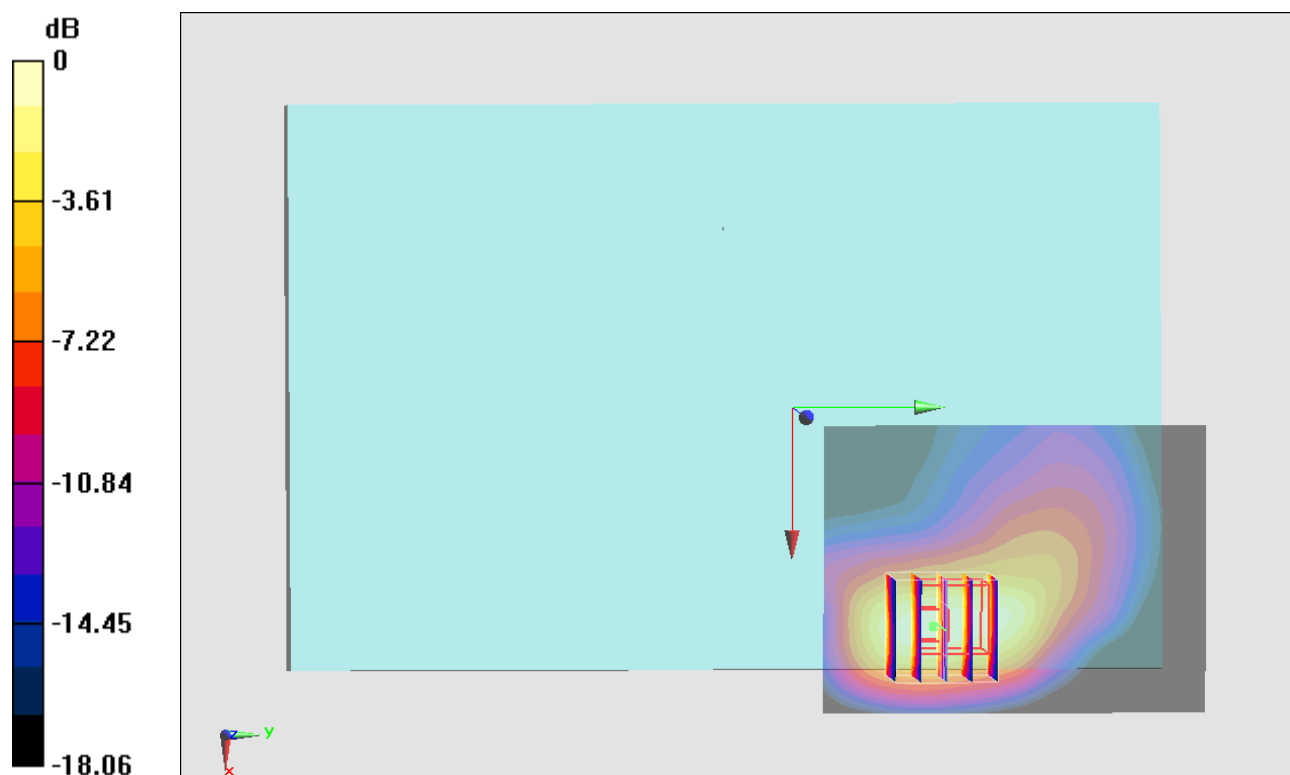
Configuration/Ch20300/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 32.552 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 2.046 mW/g

SAR(1 g) = 1.19 mW/g; SAR(10 g) = 0.649 mW/g

Maximum value of SAR (measured) = 1.37 mW/g



#351_ LTE Band 4_20M_QPSK 100RB 0offset_Bottom Face_0cm_Ch20050;Curve**DUT: 12-4-138**

Communication System: LTE; Frequency: 1720 MHz; Duty Cycle: 1:1

Medium: MSL_1750_130117 Medium parameters used: $f = 1720$ MHz; $\sigma = 1.513$ mho/m; $\epsilon_r = 51.593$; ρ

$= 1000$ kg/m³

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

DASY5 Configuration:

- Probe: ET3DV6 - SN1787; ConvF(4.81, 4.81, 4.81); Calibrated: 2012/5/29;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn495; Calibrated: 2012/4/23
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP:1127
- Measurement SW: DASY52, Version 52.8 (3); SEMCAD X Version 14.6.5 (6469)

Configuration/Ch20050/Area Scan (61x81x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 1.38 mW/g

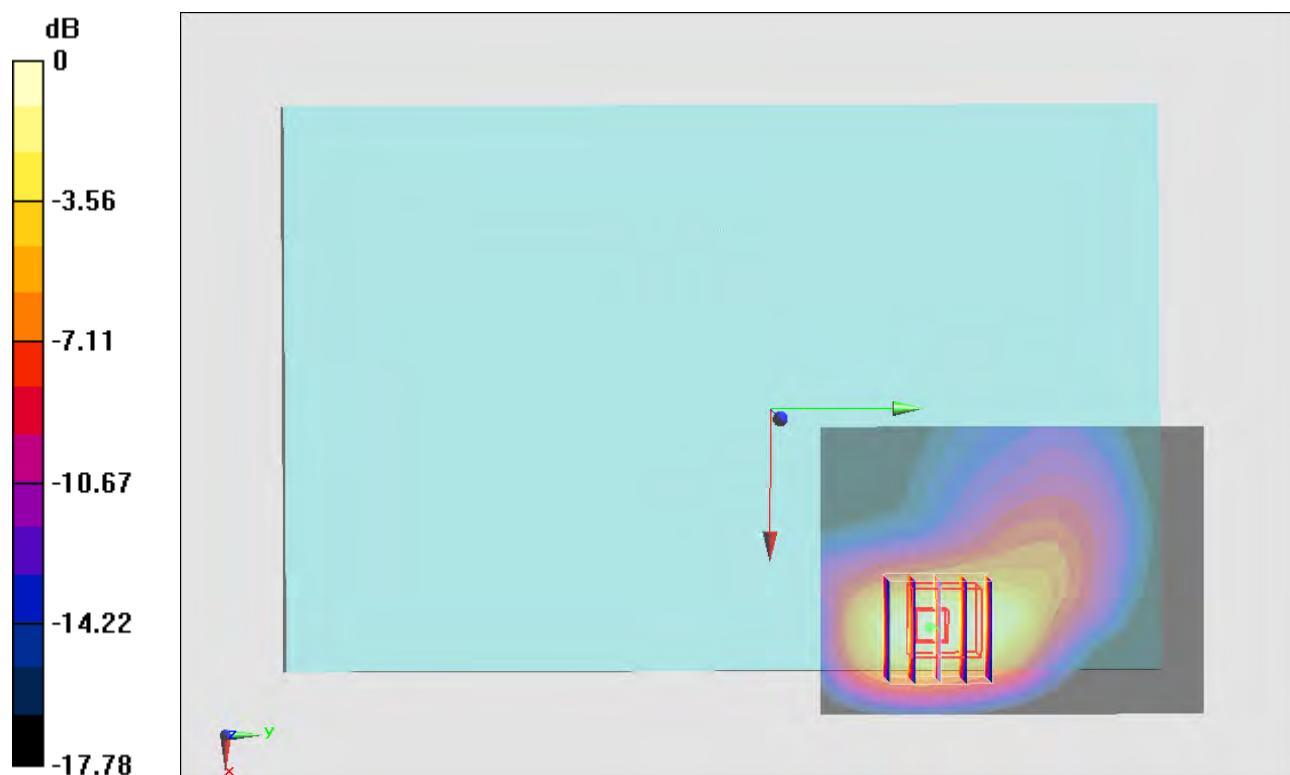
Configuration/Ch20050/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 33.527 V/m; Power Drift = -0.16 dB

Peak SAR (extrapolated) = 2.066 mW/g

SAR(1 g) = 1.22 mW/g; SAR(10 g) = 0.660 mW/g

Maximum value of SAR (measured) = 1.42 mW/g



#500_LTE Band 2_20M_QPSK 1RB 99offset_Bottom Face_1cm_Ch19100**DUT: 311703**

Communication System: LTE; Frequency: 1900 MHz; Duty Cycle: 1:1

Medium: MSL_1900_130221 Medium parameters used: $f = 1900$ MHz; $\sigma = 1.531$ mho/m; $\epsilon_r = 54.169$; $\rho =$

1000 kg/m³

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

DASY5 Configuration:

- Probe: ET3DV6 - SN1787; ConvF(4.58, 4.58, 4.58); Calibrated: 2012/5/29;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn495; Calibrated: 2012/4/23
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP:1127
- Measurement SW: DASY52, Version 52.8 (3); SEMCAD X Version 14.6.5 (6469)

Configuration/Ch19100/Area Scan (61x81x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.670 mW/g

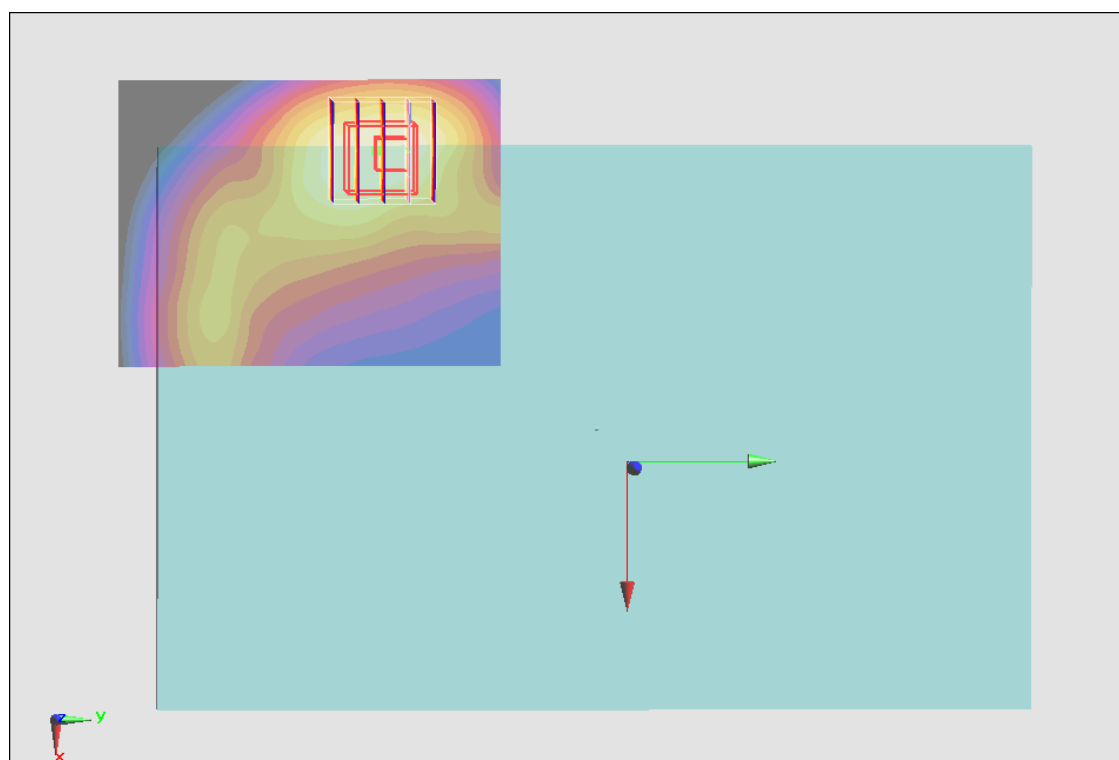
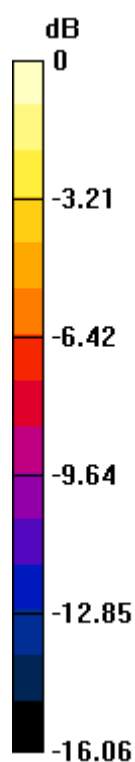
Configuration/Ch19100/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 21.745 V/m; Power Drift = 0.08 dB

Peak SAR (extrapolated) = 0.907 mW/g

SAR(1 g) = 0.580 mW/g; SAR(10 g) = 0.349 mW/g

Maximum value of SAR (measured) = 0.637 mW/g



0 dB = 0.637 mW/g = -3.92 dB mW/g

#501_LTE Band 2_20M_QPSK 50RB 0offset_Bottom Face_1cm_Ch18700**DUT: 311703**

Communication System: LTE; Frequency: 1860 MHz; Duty Cycle: 1:1

Medium: MSL_1900_130221 Medium parameters used: $f = 1860$ MHz; $\sigma = 1.486$ mho/m; $\epsilon_r = 54.281$; $\rho =$

1000 kg/m^3

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

DASY5 Configuration:

- Probe: ET3DV6 - SN1787; ConvF(4.58, 4.58, 4.58); Calibrated: 2012/5/29;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn495; Calibrated: 2012/4/23
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP:1127
- Measurement SW: DASY52, Version 52.8 (3); SEMCAD X Version 14.6.5 (6469)

Configuration/Ch18700/Area Scan (61x81x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Maximum value of SAR (interpolated) = 0.433 mW/g

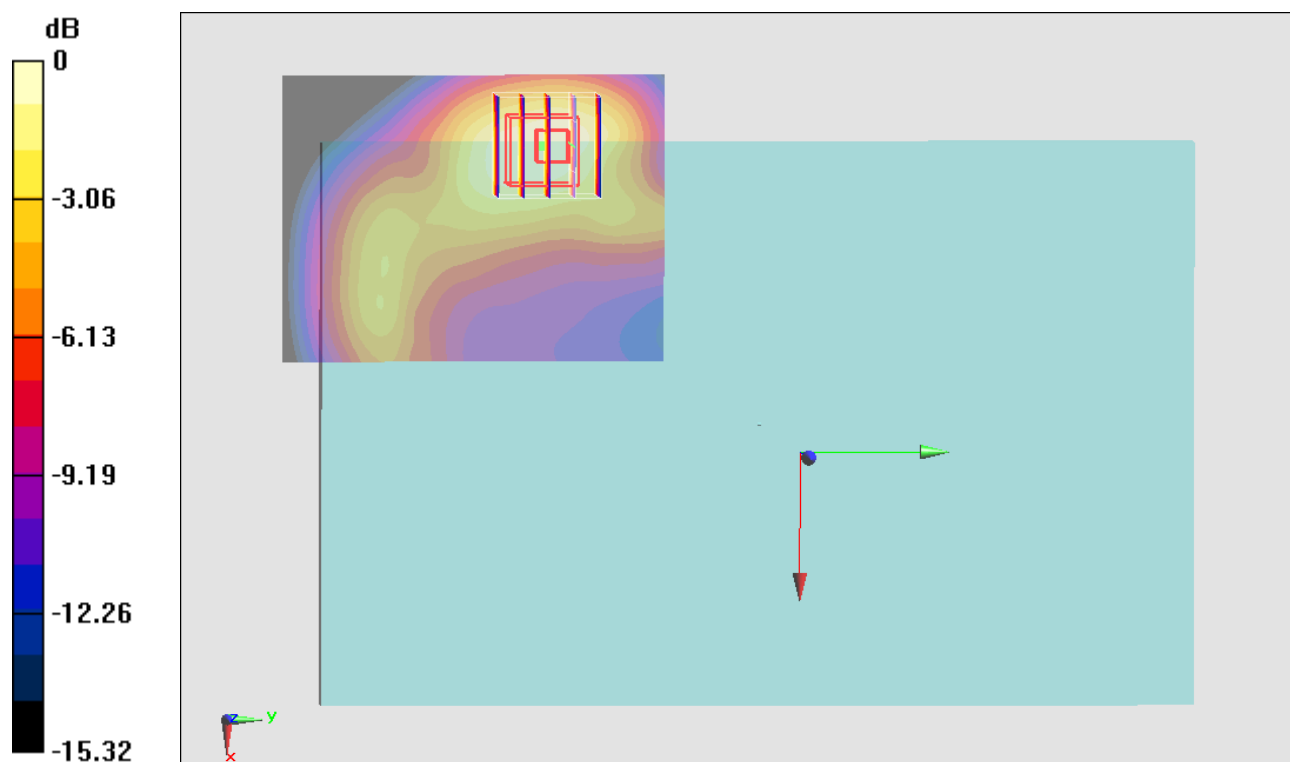
Configuration/Ch18700/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 18.156 V/m ; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 0.570 mW/g

SAR(1 g) = 0.373 mW/g ; SAR(10 g) = 0.226 mW/g

Maximum value of SAR (measured) = 0.405 mW/g



#502_LTE Band 2_20M_QPSK 1RB 99offset_Edge3_0.8cm_Ch19100**DUT: 311703**

Communication System: LTE; Frequency: 1900 MHz; Duty Cycle: 1:1

Medium: MSL_1900_130221 Medium parameters used: $f = 1900$ MHz; $\sigma = 1.531$ mho/m; $\epsilon_r = 54.169$; $\rho = 1000$ kg/m³

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

DASY5 Configuration:

- Probe: ET3DV6 - SN1787; ConvF(4.58, 4.58, 4.58); Calibrated: 2012/5/29;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn495; Calibrated: 2012/4/23
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP:1127
- Measurement SW: DASY52, Version 52.8 (3); SEMCAD X Version 14.6.5 (6469)

Configuration/Ch19100/Area Scan (41x101x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.749 mW/g

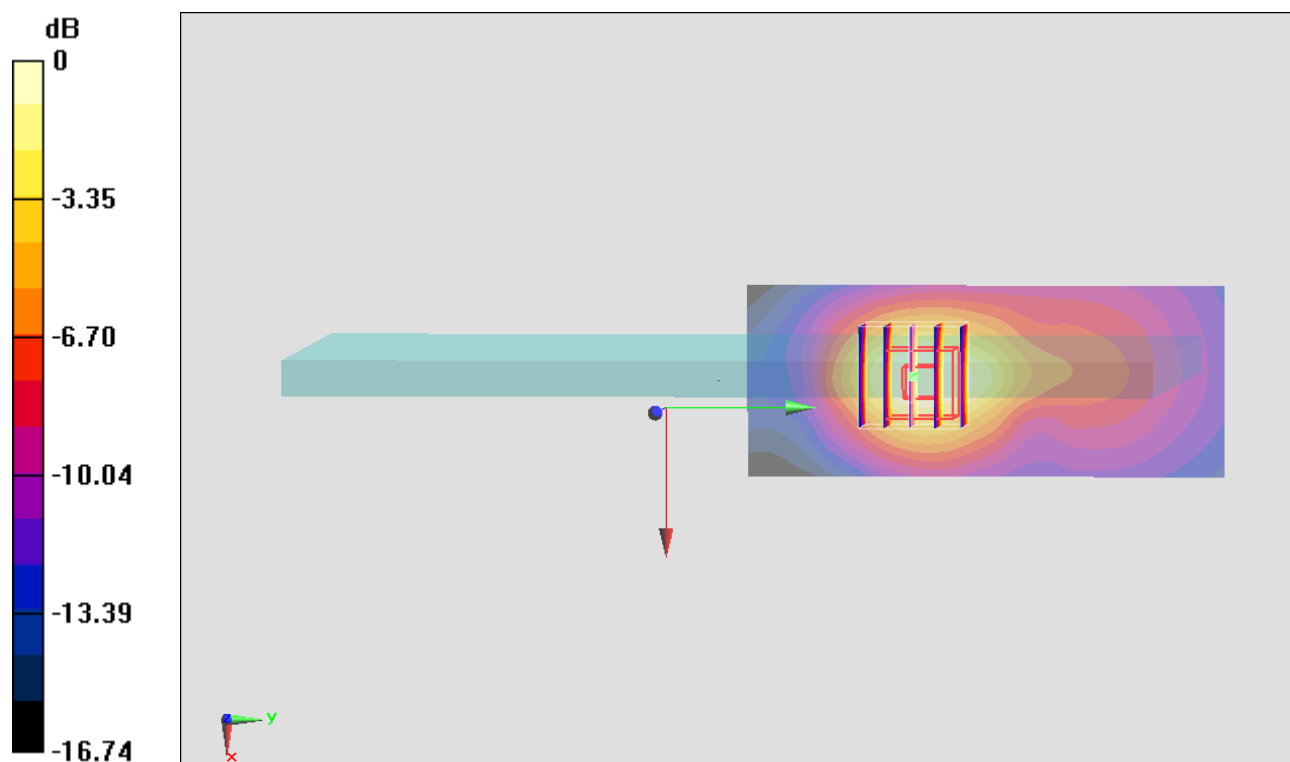
Configuration/Ch19100/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 22.759 V/m; Power Drift = 0.09 dB

Peak SAR (extrapolated) = 0.939 mW/g

SAR(1 g) = 0.622 mW/g; SAR(10 g) = 0.364 mW/g

Maximum value of SAR (measured) = 0.661 mW/g



0 dB = 0.661 mW/g = -3.60 dB mW/g

#503_LTE Band 2_20M_QPSK 50RB 0offset_Edge3_0.8cm_Ch18700**DUT: 311703**

Communication System: LTE; Frequency: 1860 MHz; Duty Cycle: 1:1

Medium: MSL_1900_130221 Medium parameters used: $f = 1860$ MHz; $\sigma = 1.486$ mho/m; $\epsilon_r = 54.281$; $\rho =$

1000 kg/m^3

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

DASY5 Configuration:

- Probe: ET3DV6 - SN1787; ConvF(4.58, 4.58, 4.58); Calibrated: 2012/5/29;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn495; Calibrated: 2012/4/23
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP:1127
- Measurement SW: DASY52, Version 52.8 (3); SEMCAD X Version 14.6.5 (6469)

Configuration/Ch18700/Area Scan (41x101x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$
Maximum value of SAR (interpolated) = 0.461 mW/g

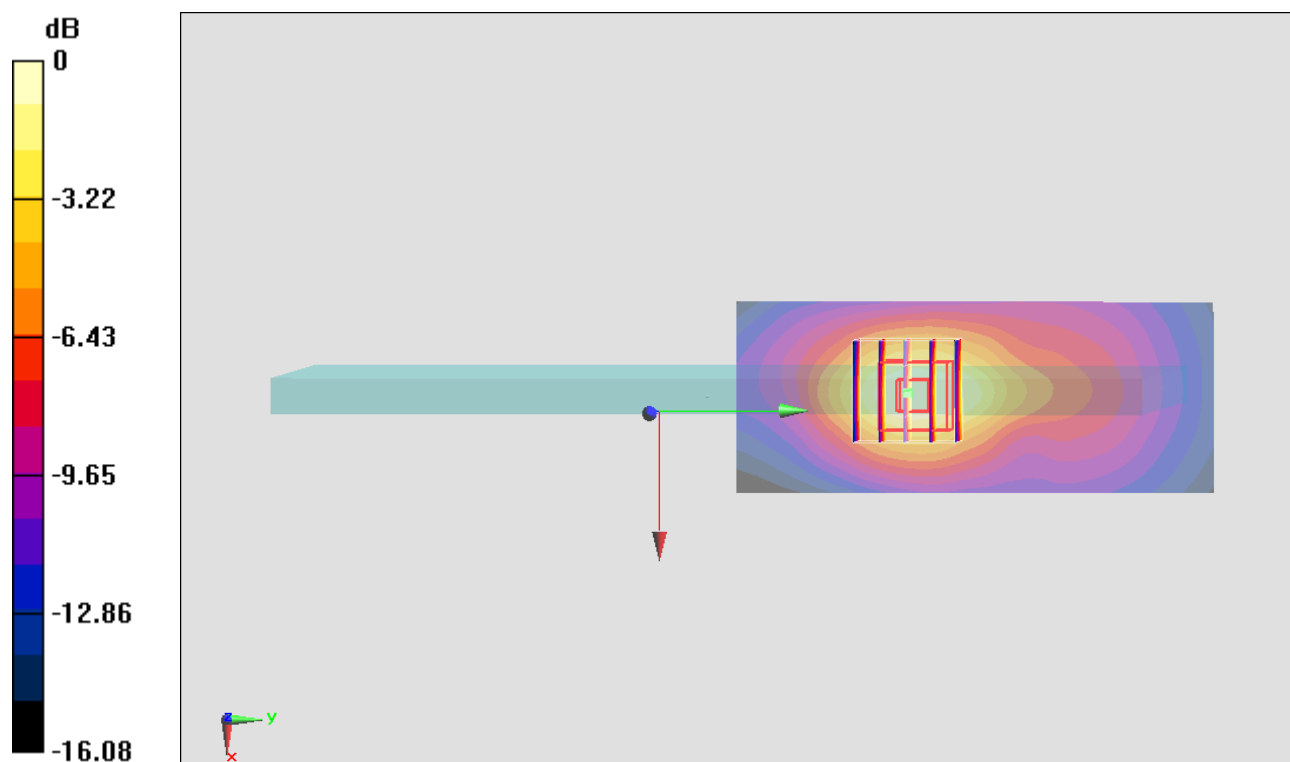
Configuration/Ch18700/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 18.601 V/m ; Power Drift = -0.00 dB

Peak SAR (extrapolated) = 0.590 mW/g

SAR(1 g) = 0.395 mW/g ; SAR(10 g) = 0.231 mW/g

Maximum value of SAR (measured) = 0.430 mW/g



0 dB = 0.430 mW/g = -7.33 dB mW/g

#504_LTE Band 2_20M_QPSK 1RB 99offset_Edge4_0cm_Ch19100**DUT: 311703**

Communication System: LTE; Frequency: 1900 MHz; Duty Cycle: 1:1

Medium: MSL_1900_130221 Medium parameters used: $f = 1900$ MHz; $\sigma = 1.531$ mho/m; $\epsilon_r = 54.169$; $\rho = 1000$ kg/m³

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

DASY5 Configuration:

- Probe: ET3DV6 - SN1787; ConvF(4.58, 4.58, 4.58); Calibrated: 2012/5/29;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn495; Calibrated: 2012/4/23
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP:1127
- Measurement SW: DASY52, Version 52.8 (3); SEMCAD X Version 14.6.5 (6469)

Configuration/Ch19100/Area Scan (31x141x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.714 mW/g

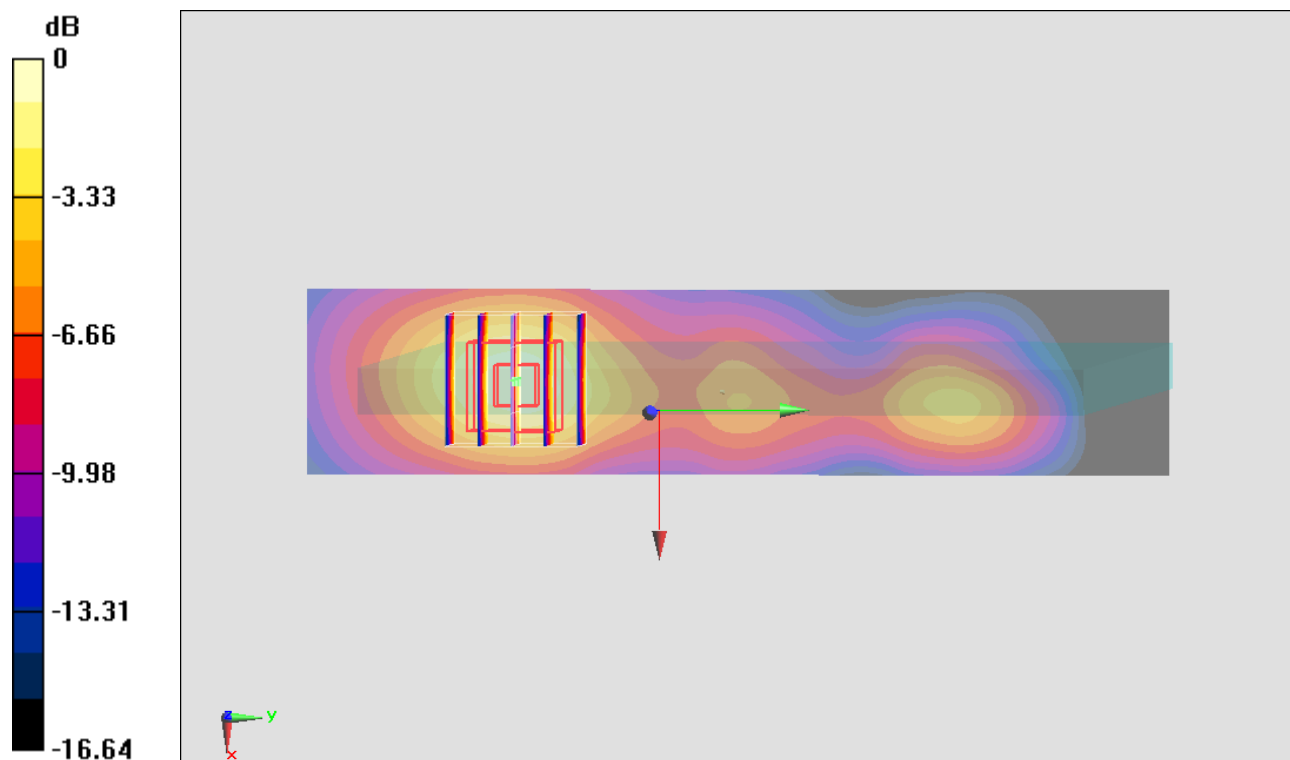
Configuration/Ch19100/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 23.354 V/m; Power Drift = 0.07 dB

Peak SAR (extrapolated) = 0.993 mW/g

SAR(1 g) = 0.648 mW/g; SAR(10 g) = 0.366 mW/g

Maximum value of SAR (measured) = 0.713 mW/g



0 dB = 0.713 mW/g = -2.94 dB mW/g

#505_LTE Band 2_20M_QPSK 50RB 0offset_Edge4_0cm_Ch18700**DUT: 311703**

Communication System: LTE; Frequency: 1860 MHz; Duty Cycle: 1:1

Medium: MSL_1900_130221 Medium parameters used: $f = 1860$ MHz; $\sigma = 1.486$ mho/m; $\epsilon_r = 54.281$; $\rho = 1000$ kg/m³

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

DASY5 Configuration:

- Probe: ET3DV6 - SN1787; ConvF(4.58, 4.58, 4.58); Calibrated: 2012/5/29;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn495; Calibrated: 2012/4/23
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP:1127
- Measurement SW: DASY52, Version 52.8 (3); SEMCAD X Version 14.6.5 (6469)

Configuration/Ch18700/Area Scan (31x141x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.239 mW/g

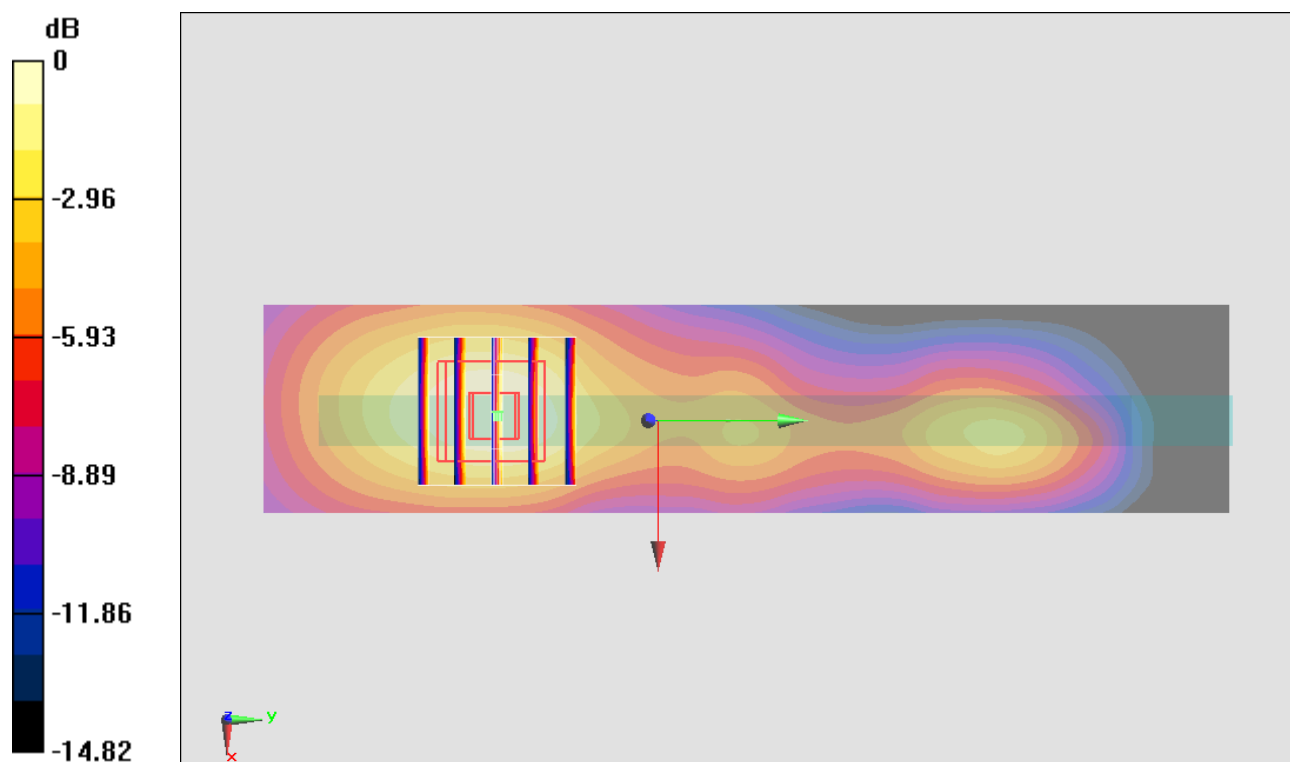
Configuration/Ch18700/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 13.445 V/m; Power Drift = -0.00 dB

Peak SAR (extrapolated) = 0.311 mW/g

SAR(1 g) = 0.206 mW/g; SAR(10 g) = 0.123 mW/g

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



0 dB = 0.224 mW/g = -13.00 dB mW/g

#506_LTE Band 2_20M_QPSK 1RB 99offset_Bottom Face_0cm_Ch18900**DUT: 311703**

Communication System: LTE; Frequency: 1880 MHz; Duty Cycle: 1:1

Medium: MSL_1900_130221 Medium parameters used: $f = 1880$ MHz; $\sigma = 1.51$ mho/m; $\epsilon_r = 54.235$; $\rho =$

1000 kg/m^3

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

DASY5 Configuration:

- Probe: ET3DV6 - SN1787; ConvF(4.58, 4.58, 4.58); Calibrated: 2012/5/29;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn495; Calibrated: 2012/4/23
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP:1127
- Measurement SW: DASY52, Version 52.8 (3); SEMCAD X Version 14.6.5 (6469)

Configuration/Ch18900/Area Scan (61x81x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$
Maximum value of SAR (interpolated) = 1.30 mW/g

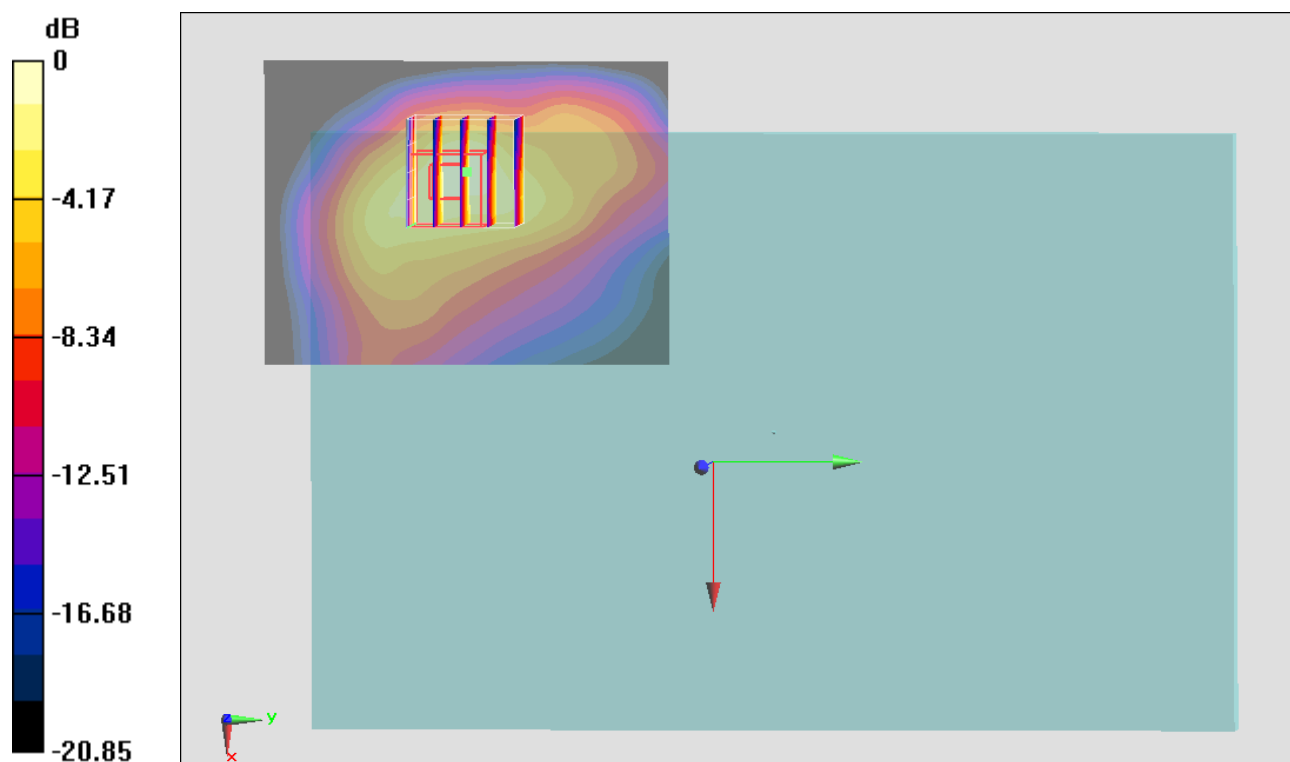
Configuration/Ch18900/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 28.334 V/m ; Power Drift = -0.06 dB

Peak SAR (extrapolated) = 2.072 mW/g

SAR(1 g) = 1.08 mW/g ; SAR(10 g) = 0.543 mW/g

Maximum value of SAR (measured) = 1.16 mW/g



#507_LTE Band 2_20M_QPSK 1RB 99offset_Bottom Face_0cm_Ch18700**DUT: 311703**

Communication System: LTE; Frequency: 1860 MHz; Duty Cycle: 1:1

Medium: MSL_1900_130221 Medium parameters used: $f = 1860$ MHz; $\sigma = 1.486$ mho/m; $\epsilon_r = 54.281$; $\rho =$

1000 kg/m^3

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

DASY5 Configuration:

- Probe: ET3DV6 - SN1787; ConvF(4.58, 4.58, 4.58); Calibrated: 2012/5/29;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn495; Calibrated: 2012/4/23
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP:1127
- Measurement SW: DASY52, Version 52.8 (3); SEMCAD X Version 14.6.5 (6469)

Configuration/Ch18700/Area Scan (61x81x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$
Maximum value of SAR (interpolated) = 1.45 mW/g

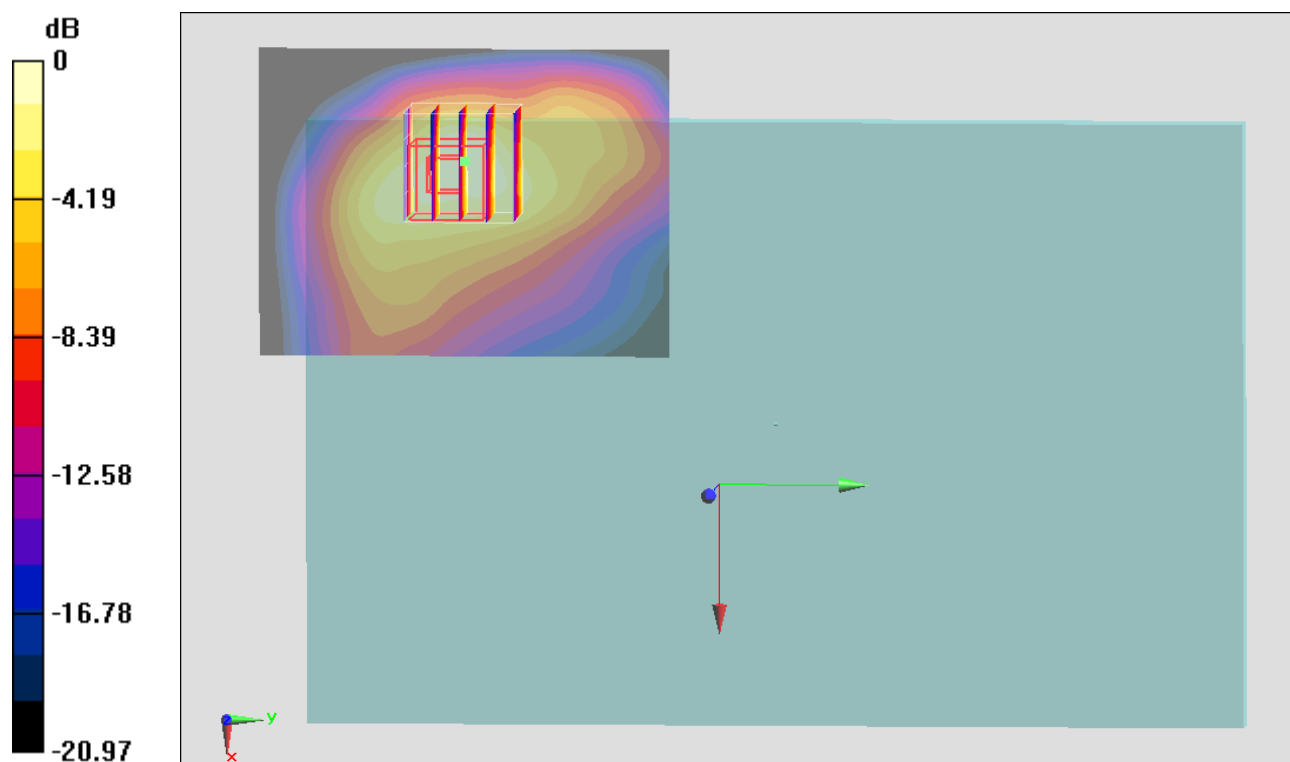
Configuration/Ch18700/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 29.270 V/m ; Power Drift = -0.084 dB

Peak SAR (extrapolated) = 1.653 mW/g

SAR(1 g) = 0.912 mW/g ; SAR(10 g) = 0.471 mW/g

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



#508_LTE Band 2_20M_QPSK 1RB 99offset_Bottom Face_0cm_Ch19100**DUT: 311703**

Communication System: LTE; Frequency: 1900 MHz; Duty Cycle: 1:1

Medium: MSL_1900_130221 Medium parameters used: $f = 1900$ MHz; $\sigma = 1.531$ mho/m; $\epsilon_r = 54.169$; $\rho =$

1000 kg/m^3

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

DASY5 Configuration:

- Probe: ET3DV6 - SN1787; ConvF(4.58, 4.58, 4.58); Calibrated: 2012/5/29;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn495; Calibrated: 2012/4/23
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP:1127
- Measurement SW: DASY52, Version 52.8 (3); SEMCAD X Version 14.6.5 (6469)

Configuration/Ch19100/Area Scan (61x81x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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

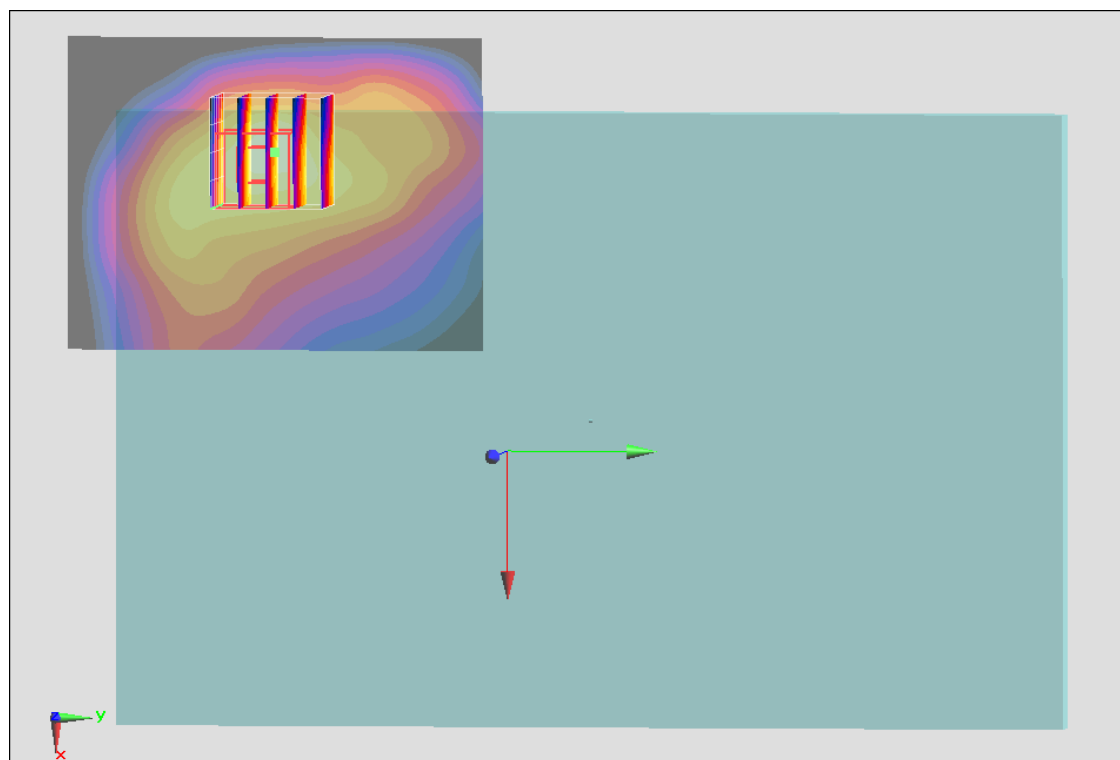
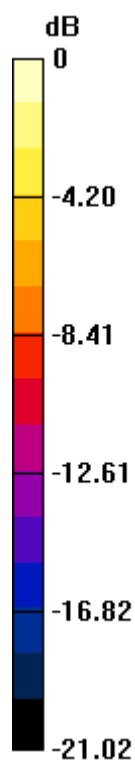
Configuration/Ch19100/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 26.859 V/m ; Power Drift = -0.10 dB

Peak SAR (extrapolated) = 1.873 mW/g

SAR(1 g) = 1.01 mW/g ; SAR(10 g) = 0.502 mW/g

Maximum value of SAR (measured) = 1.14 mW/g



0 dB = 1.14 mW/g = 1.14 dB mW/g

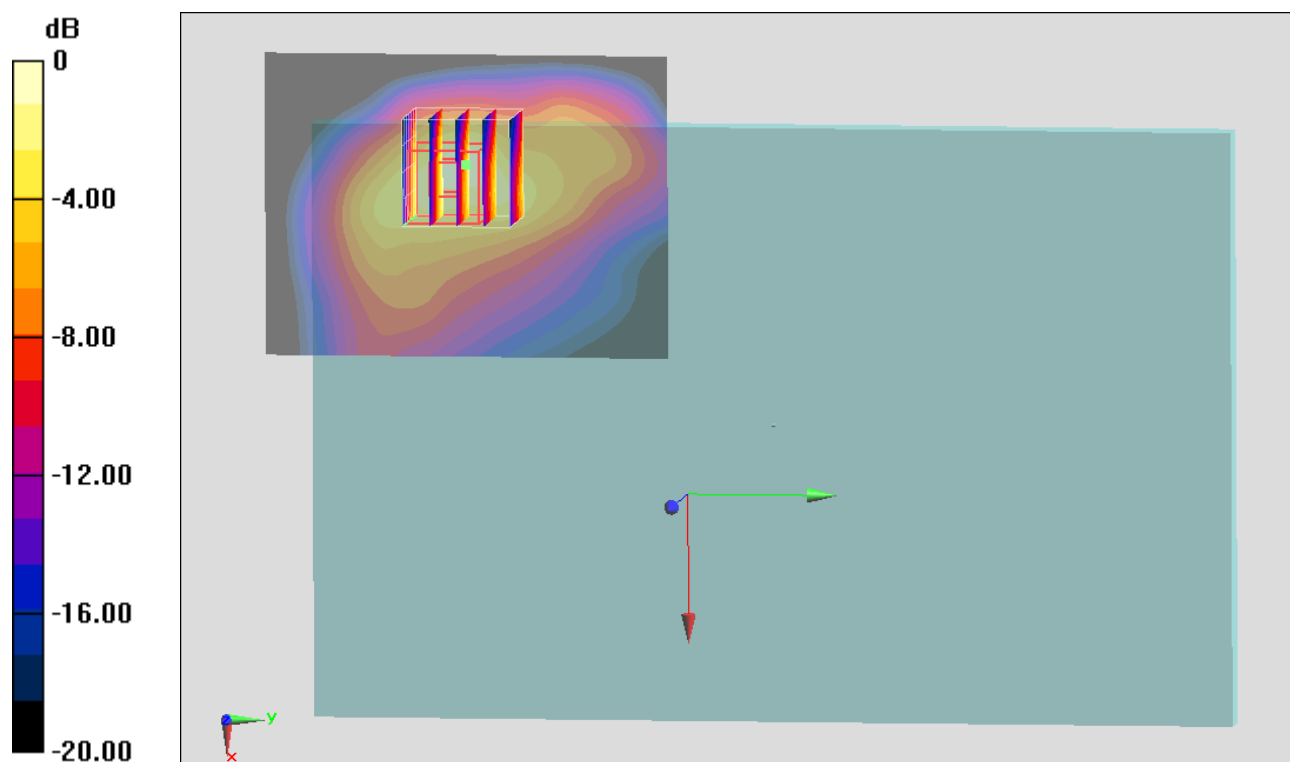
#509_LTE Band 2_20M_QPSK 50RB 0offset_Bottom Face_0cm_Ch18900**DUT: 311703**

Communication System: LTE; Frequency: 1880 MHz; Duty Cycle: 1:1

Medium: MSL_1900_130221 Medium parameters used: $f = 1880$ MHz; $\sigma = 1.51$ mho/m; $\epsilon_r = 54.235$; $\rho =$ 1000 kg/m^3 Ambient Temperature : 22.4°C ; Liquid Temperature : 21.4°C

DASY5 Configuration:

- Probe: ET3DV6 - SN1787; ConvF(4.58, 4.58, 4.58); Calibrated: 2012/5/29;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn495; Calibrated: 2012/4/23
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP:1127
- Measurement SW: DASY52, Version 52.8 (3); SEMCAD X Version 14.6.5 (6469)

Configuration/Ch18900/Area Scan (61x81x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$
Maximum value of SAR (interpolated) = 1.19 mW/g **Configuration/Ch18900/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$ Reference Value = 27.367 V/m ; Power Drift = -0.132 dB Peak SAR (extrapolated) = 1.917 mW/g **SAR(1 g) = 1.02 mW/g ; SAR(10 g) = 0.519 mW/g** Maximum value of SAR (measured) = 1.10 mW/g 

#510_LTE Band 2_20M_QPSK 50RB 0offset_Bottom Face_0cm_Ch18700**DUT: 311703**

Communication System: LTE; Frequency: 1860 MHz; Duty Cycle: 1:1

Medium: MSL_1900_130221 Medium parameters used: $f = 1860$ MHz; $\sigma = 1.486$ mho/m; $\epsilon_r = 54.281$; $\rho = 1000$ kg/m³

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

DASY5 Configuration:

- Probe: ET3DV6 - SN1787; ConvF(4.58, 4.58, 4.58); Calibrated: 2012/5/29;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn495; Calibrated: 2012/4/23
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP:1127
- Measurement SW: DASY52, Version 52.8 (3); SEMCAD X Version 14.6.5 (6469)

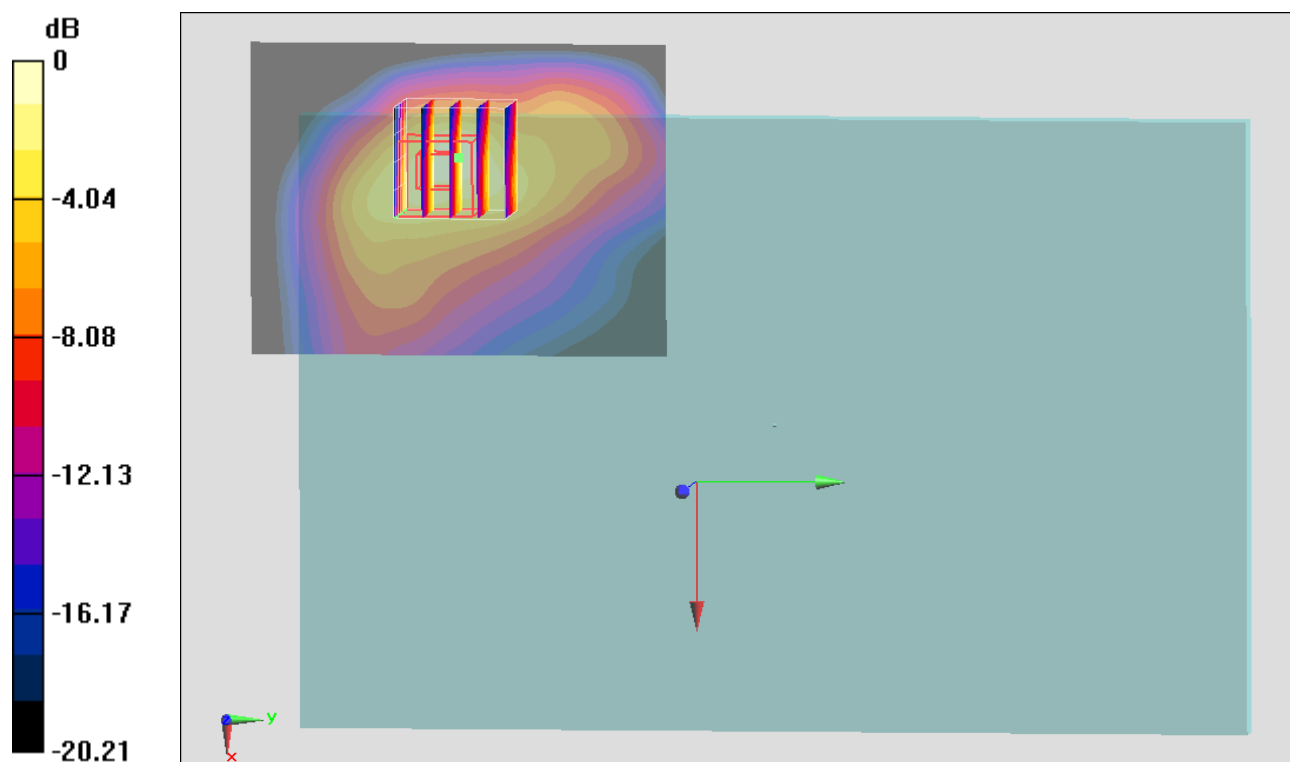
Configuration/Ch18700/Area Scan (61x81x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 1.18 mW/g**Configuration/Ch18700/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 26.817 V/m; Power Drift = -0.10 dB

Peak SAR (extrapolated) = 1.779 mW/g

SAR(1 g) = 0.977 mW/g; SAR(10 g) = 0.509 mW/g

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



#511_LTE Band 2_20M_QPSK 50RB 0offset_Bottom Face_0cm_Ch19100**DUT: 311703**

Communication System: LTE; Frequency: 1900 MHz; Duty Cycle: 1:1

Medium: MSL_1900_130221 Medium parameters used: $f = 1900$ MHz; $\sigma = 1.531$ mho/m; $\epsilon_r = 54.169$; $\rho =$

1000 kg/m^3

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

DASY5 Configuration:

- Probe: ET3DV6 - SN1787; ConvF(4.58, 4.58, 4.58); Calibrated: 2012/5/29;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn495; Calibrated: 2012/4/23
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP:1127
- Measurement SW: DASY52, Version 52.8 (3); SEMCAD X Version 14.6.5 (6469)

Configuration/Ch19100/Area Scan (61x81x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$
Maximum value of SAR (interpolated) = 1.14 mW/g

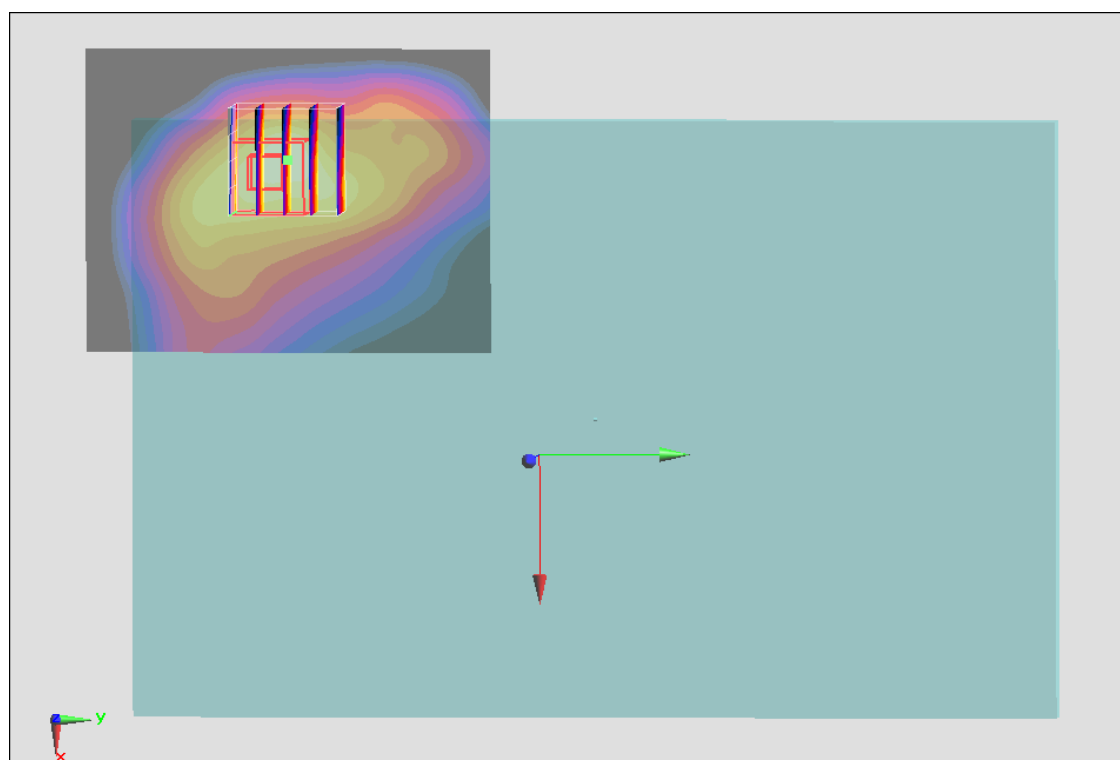
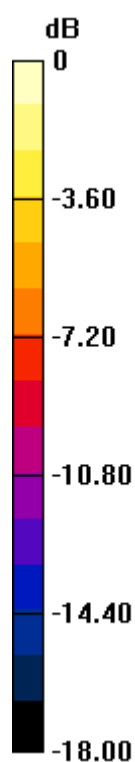
Configuration/Ch19100/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 26.124 V/m ; Power Drift = 0.05 dB

Peak SAR (extrapolated) = 1.724 mW/g

SAR(1 g) = 0.955 mW/g ; SAR(10 g) = 0.486 mW/g

Maximum value of SAR (measured) = 1.05 mW/g



0 dB = 1.05 mW/g = 0.42 dB mW/g

#512_LTE Band 2_20M_QPSK 100RB 0offset_Bottom Face_0cm_Ch18900**DUT: 311703**

Communication System: LTE; Frequency: 1880 MHz; Duty Cycle: 1:1

Medium: MSL_1900_130221 Medium parameters used: $f = 1880$ MHz; $\sigma = 1.51$ mho/m; $\epsilon_r = 54.235$; $\rho = 1000$ kg/m³

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

DASY5 Configuration:

- Probe: ET3DV6 - SN1787; ConvF(4.58, 4.58, 4.58); Calibrated: 2012/5/29;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn495; Calibrated: 2012/4/23
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP:1127
- Measurement SW: DASY52, Version 52.8 (3); SEMCAD X Version 14.6.5 (6469)

Configuration/Ch18900/Area Scan (61x81x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 1.16 mW/g

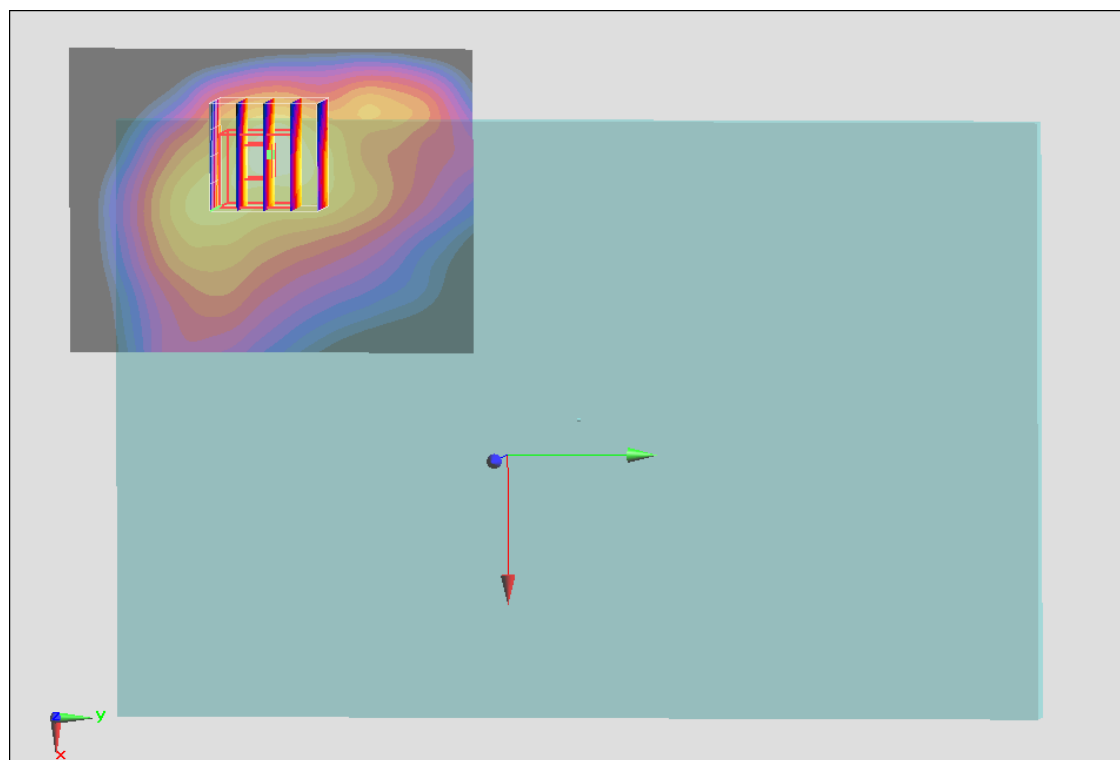
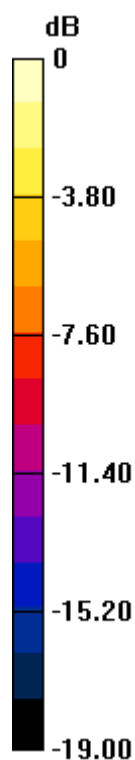
Configuration/Ch18900/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 28.422 V/m; Power Drift = 0.14 dB

Peak SAR (extrapolated) = 1.817 mW/g

SAR(1 g) = 0.989 mW/g; SAR(10 g) = 0.500 mW/g

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



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

#513_LTE Band 2_20M_QPSK 1RB 99offset_Edge3_0cm_Ch18900**DUT: 311703**

Communication System: LTE; Frequency: 1880 MHz; Duty Cycle: 1:1

Medium: MSL_1900_130221 Medium parameters used: $f = 1880$ MHz; $\sigma = 1.51$ mho/m; $\epsilon_r = 54.235$; $\rho =$

1000 kg/m^3

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

DASY5 Configuration:

- Probe: ET3DV6 - SN1787; ConvF(4.58, 4.58, 4.58); Calibrated: 2012/5/29;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn495; Calibrated: 2012/4/23
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP:1127
- Measurement SW: DASY52, Version 52.8 (3); SEMCAD X Version 14.6.5 (6469)

Configuration/Ch18900/Area Scan (41x101x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$
Maximum value of SAR (interpolated) = 0.500 mW/g

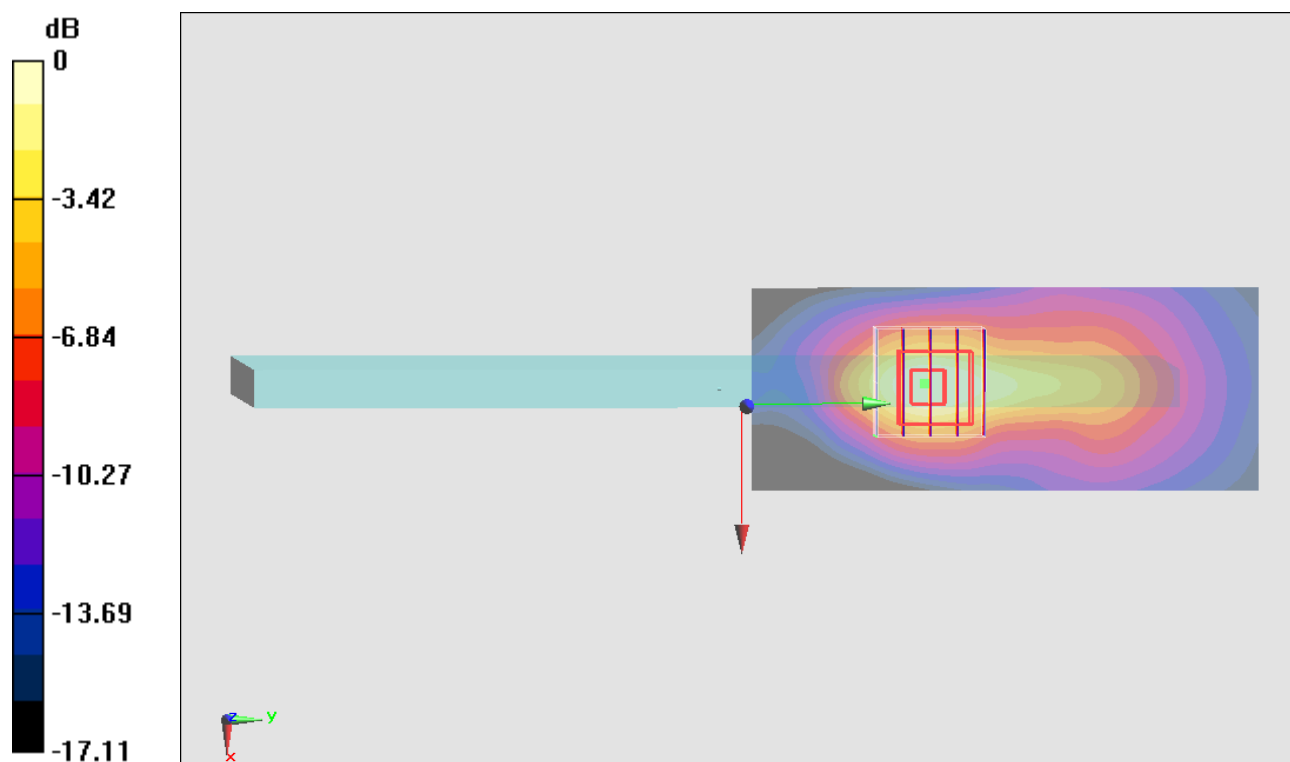
Configuration/Ch18900/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 19.023 V/m ; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 0.691 mW/g

SAR(1 g) = 0.413 mW/g ; SAR(10 g) = 0.224 mW/g

Maximum value of SAR (measured) = 0.452 mW/g



0 dB = 0.452 mW/g = -6.90 dB mW/g

#514_LTE Band 2_20M_QPSK 50RB 0offset_Edge3_0cm_Ch18900**DUT: 311703**

Communication System: LTE; Frequency: 1880 MHz; Duty Cycle: 1:1

Medium: MSL_1900_130221 Medium parameters used: $f = 1880$ MHz; $\sigma = 1.51$ mho/m; $\epsilon_r = 54.235$; $\rho =$

1000 kg/m^3

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

DASY5 Configuration:

- Probe: ET3DV6 - SN1787; ConvF(4.58, 4.58, 4.58); Calibrated: 2012/5/29;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn495; Calibrated: 2012/4/23
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP:1127
- Measurement SW: DASY52, Version 52.8 (3); SEMCAD X Version 14.6.5 (6469)

Configuration/Ch18900/Area Scan (41x101x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$
Maximum value of SAR (interpolated) = 0.486 mW/g

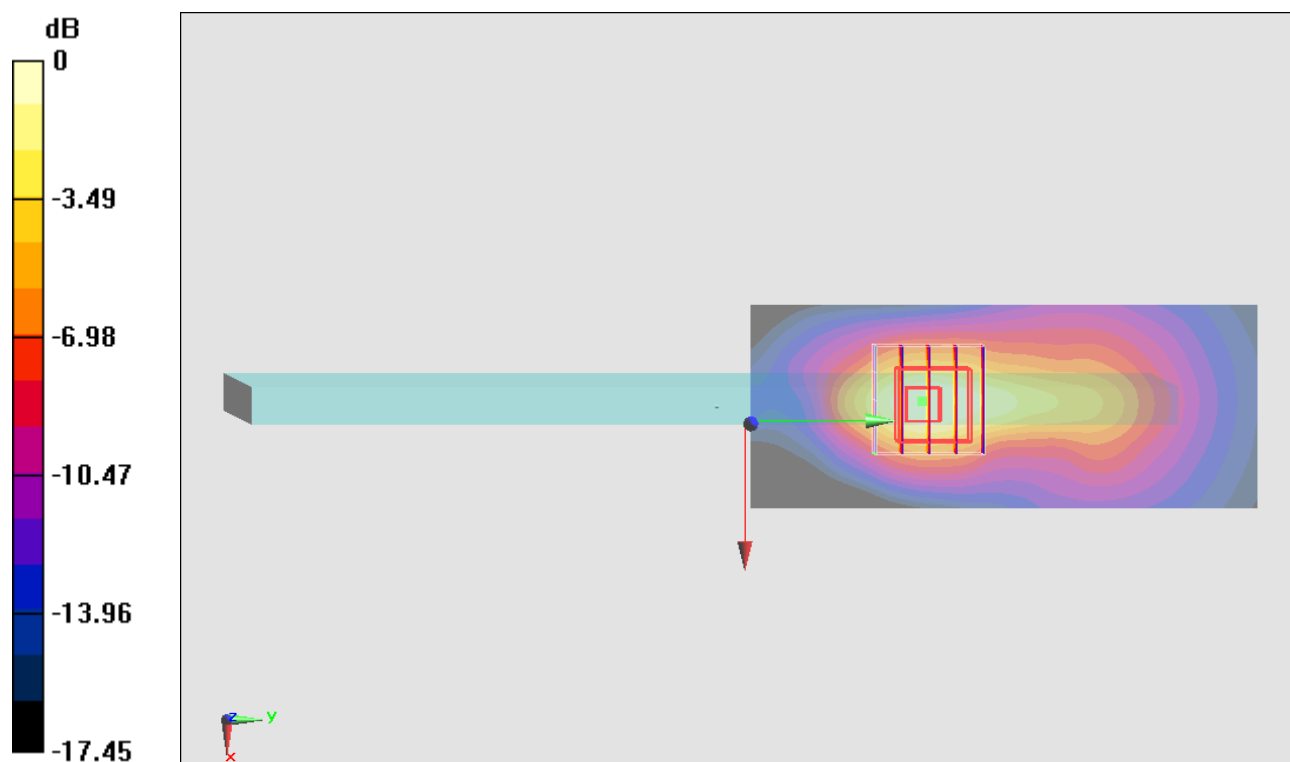
Configuration/Ch18900/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 18.851 V/m ; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 0.643 mW/g

SAR(1 g) = 0.400 mW/g ; SAR(10 g) = 0.218 mW/g

Maximum value of SAR (measured) = 0.443 mW/g



0 dB = 0.443 mW/g = -7.07 dB mW/g

#515_LTE Band 2_20M_QPSK 1RB 99offset_Curved surface of Edge3_0cm_Ch18900**DUT: 311703**

Communication System: LTE; Frequency: 1880 MHz; Duty Cycle: 1:1

Medium: MSL_1900_130221 Medium parameters used: $f = 1880$ MHz; $\sigma = 1.51$ mho/m; $\epsilon_r = 54.235$; $\rho = 1000$ kg/m³

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

DASY5 Configuration:

- Probe: ET3DV6 - SN1787; ConvF(4.58, 4.58, 4.58); Calibrated: 2012/5/29;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn495; Calibrated: 2012/4/23
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP:1127
- Measurement SW: DASY52, Version 52.8 (3); SEMCAD X Version 14.6.5 (6469)

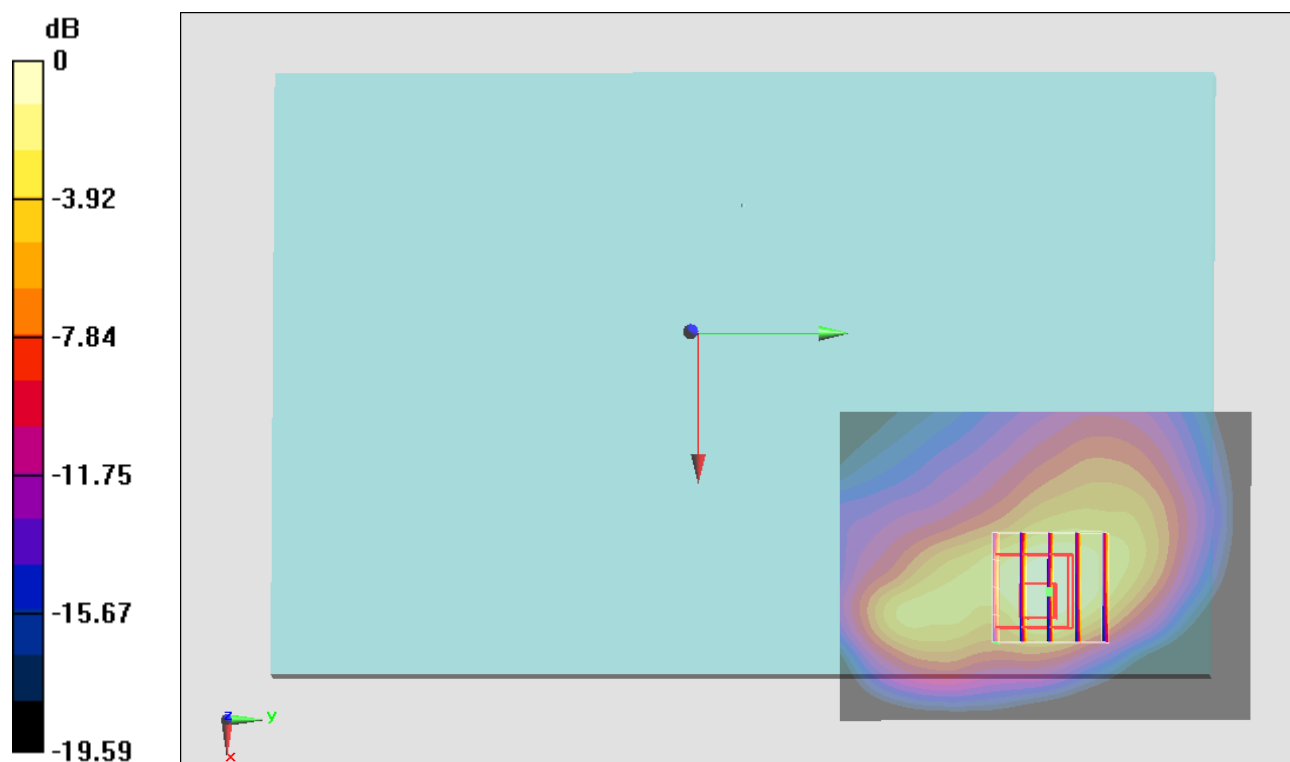
Configuration/Ch18900/Area Scan (61x81x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 1.08 mW/g**Configuration/Ch18900/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 29.665 V/m; Power Drift = -0.128 dB

Peak SAR (extrapolated) = 2.026 mW/g

SAR(1 g) = 1.02 mW/g; SAR(10 g) = 0.516 mW/g

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



0 dB = 1.06 mW/g = 0.51 dB mW/g

#516_LTE Band 2_20M_QPSK 1RB 99offset_Curved surface of Edge3_0cm_Ch18700**DUT: 311703**

Communication System: LTE; Frequency: 1860 MHz; Duty Cycle: 1:1

Medium: MSL_1900_130221 Medium parameters used: $f = 1860$ MHz; $\sigma = 1.486$ mho/m; $\epsilon_r = 54.281$; $\rho =$

1000 kg/m^3

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

DASY5 Configuration:

- Probe: ET3DV6 - SN1787; ConvF(4.58, 4.58, 4.58); Calibrated: 2012/5/29;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn495; Calibrated: 2012/4/23
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP:1127
- Measurement SW: DASY52, Version 52.8 (3); SEMCAD X Version 14.6.5 (6469)

Configuration/Ch18700/Area Scan (61x81x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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

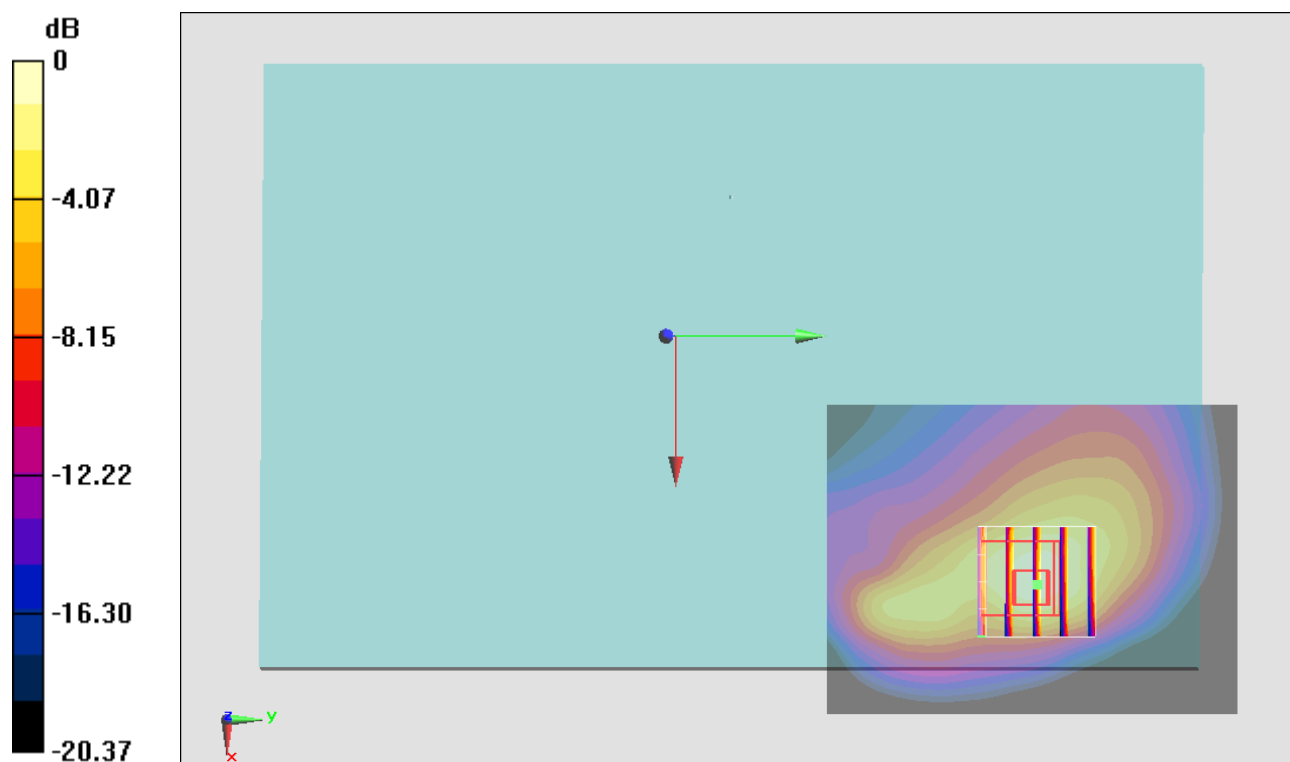
Configuration/Ch18700/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 31.951 V/m ; Power Drift = -0.127 dB

Peak SAR (extrapolated) = 2.352 mW/g

SAR(1 g) = 1.1 mW/g ; SAR(10 g) = 0.550 mW/g

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



0 dB = 1.23 mW/g = 1.80 dB mW/g

#522_LTE Band 2_20M_QPSK 1RB 99offset_Curved surface of Edge3_0cm_Ch18700**DUT: 311703**

Communication System: LTE; Frequency: 1860 MHz; Duty Cycle: 1:1

Medium: MSL1900_130221 Medium parameters used: $f = 1860$ MHz; $\sigma = 1.486$ mho/m; $\epsilon_r = 54.281$; $\rho = 1000$ kg/m³

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

DASY5 Configuration:

- Probe: ET3DV6 - SN1787; ConvF(4.58, 4.58, 4.58); Calibrated: 2012/5/29;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn495; Calibrated: 2012/4/23
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP:1127
- Measurement SW: DASY52, Version 52.8 (3); SEMCAD X Version 14.6.5 (6469)

Configuration/Ch18700/Area Scan (61x81x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 1.12 mW/g

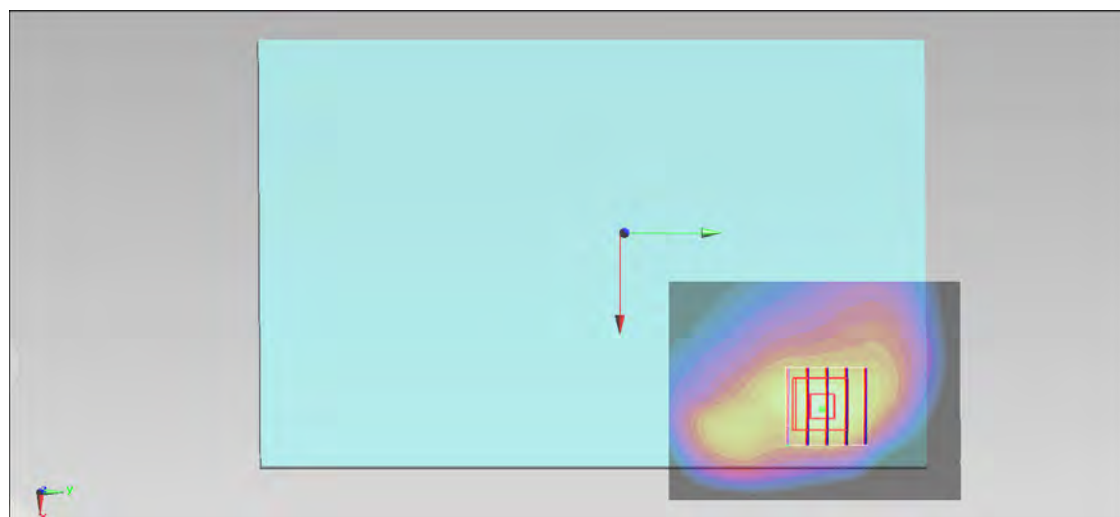
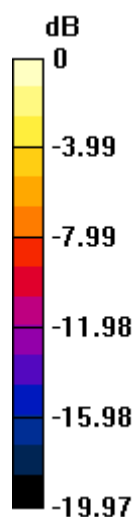
Configuration/Ch18700/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 32.139 V/m; Power Drift = -0.09 dB

Peak SAR (extrapolated) = 2.080 mW/g

SAR(1 g) = 1.06 mW/g; SAR(10 g) = 0.516 mW/g

Maximum value of SAR (measured) = 1.26 mW/g



0 dB = 1.26 mW/g = 2.01 dB mW/g

#517_LTE Band 2_20M_QPSK 1RB 99offset_Curved surface of Edge3_0cm_Ch19100**DUT: 311703**

Communication System: LTE; Frequency: 1900 MHz; Duty Cycle: 1:1

Medium: MSL1900_130221 Medium parameters used: $f = 1900$ MHz; $\sigma = 1.531$ mho/m; $\epsilon_r = 54.169$; $\rho =$

1000 kg/m^3

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

DASY5 Configuration:

- Probe: ET3DV6 - SN1787; ConvF(4.58, 4.58, 4.58); Calibrated: 2012/5/29;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn495; Calibrated: 2012/4/23
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP:1127
- Measurement SW: DASY52, Version 52.8 (3); SEMCAD X Version 14.6.5 (6469)

Configuration/Ch19100/Area Scan (61x81x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$
Maximum value of SAR (interpolated) = 1.02 mW/g

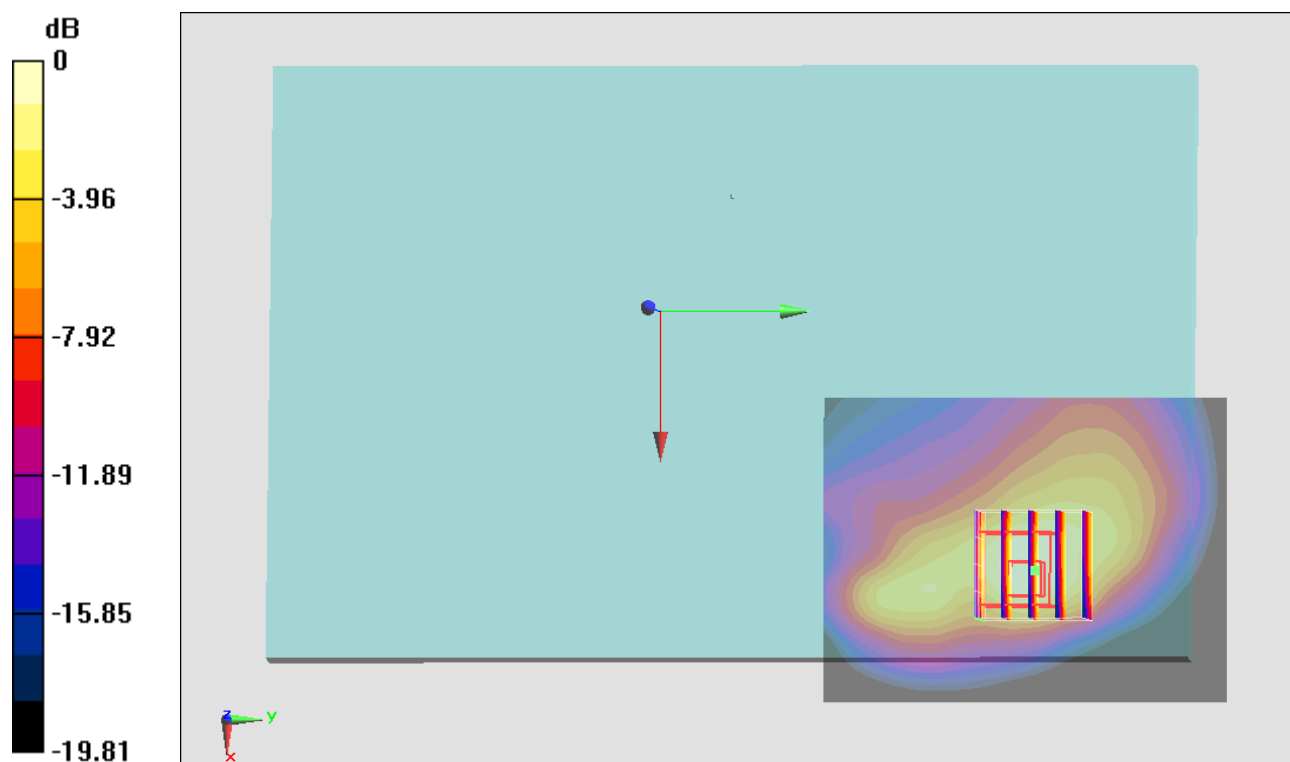
Configuration/Ch19100/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 28.777 V/m ; Power Drift = -0.13 dB

Peak SAR (extrapolated) = 2.052 mW/g

SAR(1 g) = 0.979 mW/g ; SAR(10 g) = 0.477 mW/g

Maximum value of SAR (measured) = 0.988 mW/g



0 dB = 0.988 mW/g = -0.10 dB mW/g

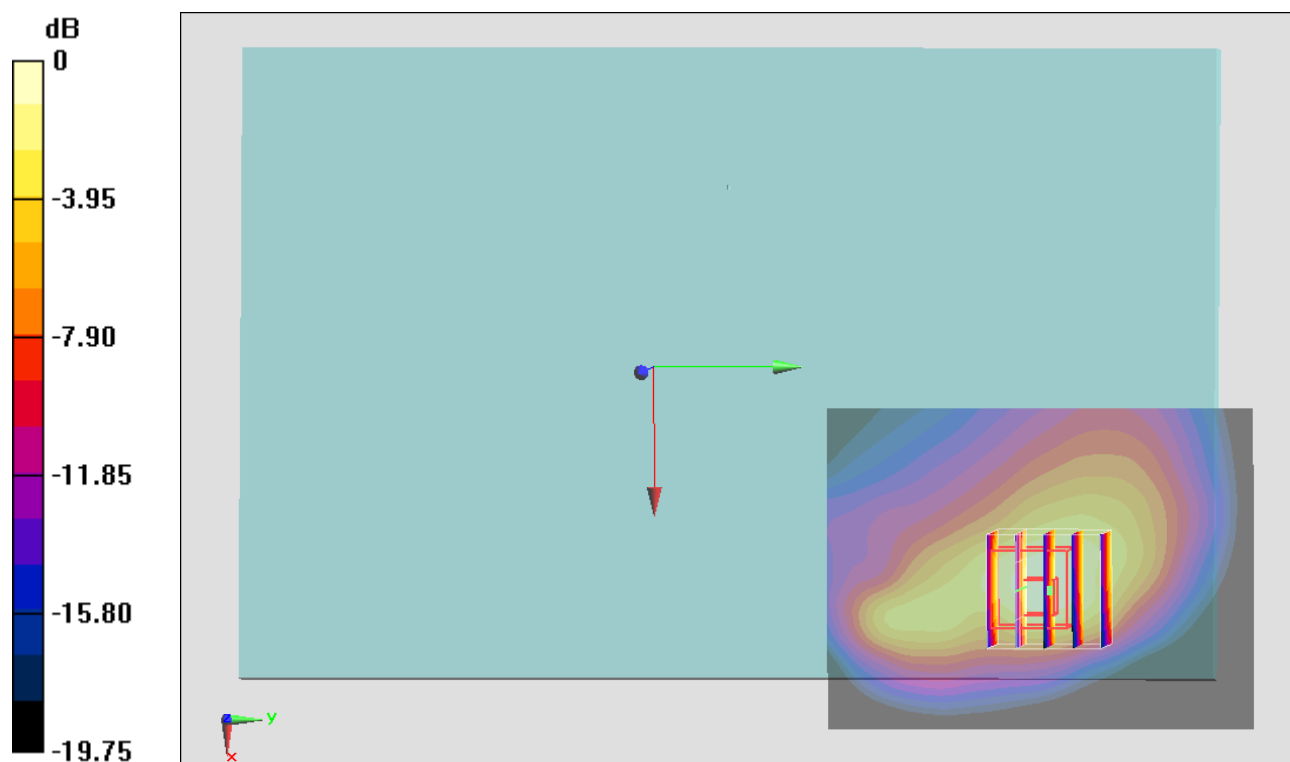
#518_LTE Band 2_20M_QPSK 50RB 0offset_Curved surface of Edge3_0cm_Ch18900**DUT: 311703**

Communication System: LTE; Frequency: 1880 MHz; Duty Cycle: 1:1

Medium: MSL1900_130221 Medium parameters used: $f = 1880$ MHz; $\sigma = 1.51$ mho/m; $\epsilon_r = 54.235$; $\rho =$ 1000 kg/m^3 Ambient Temperature : 22.4°C ; Liquid Temperature : 21.4°C

DASY5 Configuration:

- Probe: ET3DV6 - SN1787; ConvF(4.58, 4.58, 4.58); Calibrated: 2012/5/29;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn495; Calibrated: 2012/4/23
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP:1127
- Measurement SW: DASY52, Version 52.8 (3); SEMCAD X Version 14.6.5 (6469)

Configuration/Ch18900/Area Scan (61x81x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$
Maximum value of SAR (interpolated) = 1.03 mW/g **Configuration/Ch18900/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$ Reference Value = 29.437 V/m ; Power Drift = -0.08 dB Peak SAR (extrapolated) = 2.237 mW/g **SAR(1 g) = 1.05 mW/g ; SAR(10 g) = 0.519 mW/g** Maximum value of SAR (measured) = 1.10 mW/g  $0 \text{ dB} = 1.10 \text{ mW/g} = 0.83 \text{ dB mW/g}$

#519_LTE Band 2_20M_QPSK 50RB 0offset_Curved surface of Edge3_0cm_Ch18700**DUT: 311703**

Communication System: LTE; Frequency: 1860 MHz; Duty Cycle: 1:1

Medium: MSL1900_130221 Medium parameters used: $f = 1860$ MHz; $\sigma = 1.486$ mho/m; $\epsilon_r = 54.281$; $\rho = 1000$ kg/m³

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

DASY5 Configuration:

- Probe: ET3DV6 - SN1787; ConvF(4.58, 4.58, 4.58); Calibrated: 2012/5/29;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn495; Calibrated: 2012/4/23
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP:1127
- Measurement SW: DASY52, Version 52.8 (3); SEMCAD X Version 14.6.5 (6469)

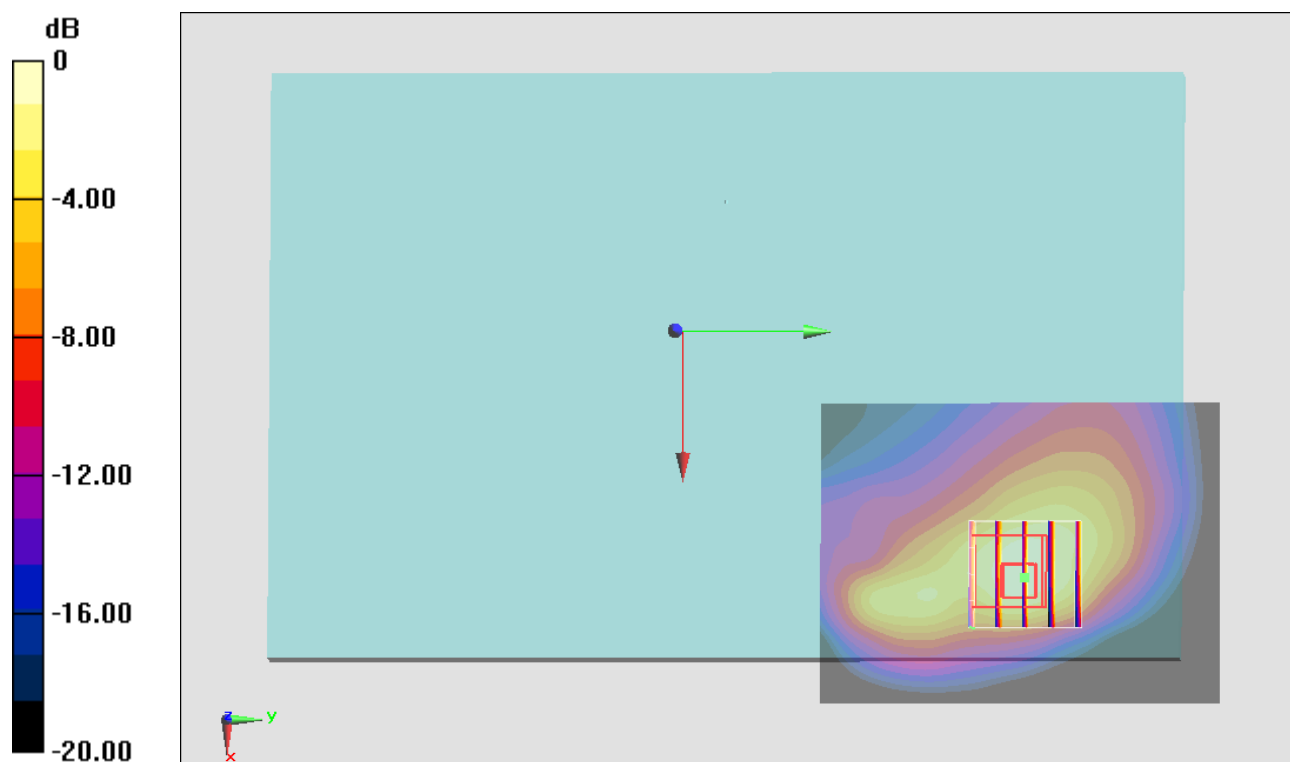
Configuration/Ch18700/Area Scan (61x81x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 1.04 mW/g**Configuration/Ch18700/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 31.256 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 1.920 mW/g

SAR(1 g) = 0.991 mW/g; SAR(10 g) = 0.516 mW/g

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



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

#520_LTE Band 2_20M_QPSK 50RB 0offset_Curved surface of Edge3_0cm_Ch19100**DUT: 311703**

Communication System: LTE; Frequency: 1900 MHz; Duty Cycle: 1:1

Medium: MSL1900_130221 Medium parameters used: $f = 1900$ MHz; $\sigma = 1.531$ mho/m; $\epsilon_r = 54.169$; $\rho = 1000$ kg/m³

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

DASY5 Configuration:

- Probe: ET3DV6 - SN1787; ConvF(4.58, 4.58, 4.58); Calibrated: 2012/5/29;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn495; Calibrated: 2012/4/23
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP:1127
- Measurement SW: DASY52, Version 52.8 (3); SEMCAD X Version 14.6.5 (6469)

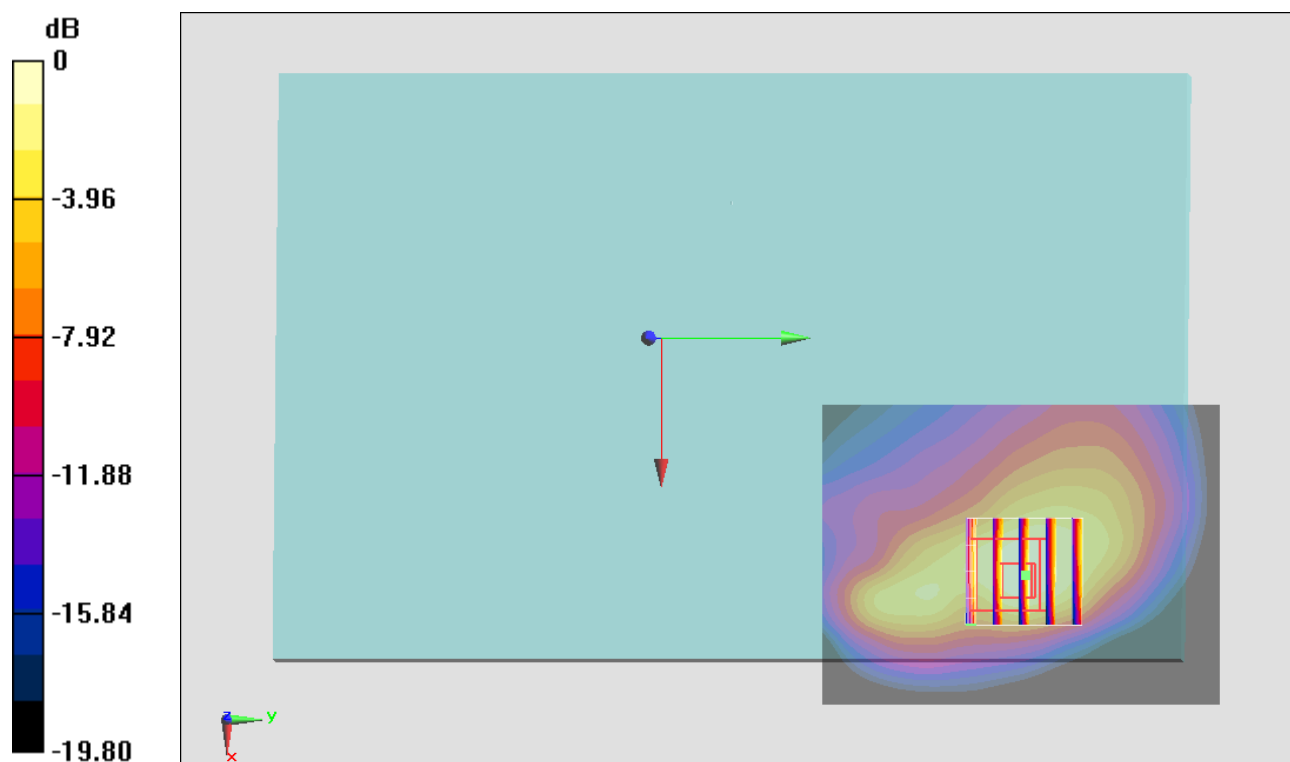
Configuration/Ch19100/Area Scan (61x81x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.945 mW/g**Configuration/Ch19100/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 29.039 V/m; Power Drift = -0.11 dB

Peak SAR (extrapolated) = 1.951 mW/g

SAR(1 g) = 0.953 mW/g; SAR(10 g) = 0.471 mW/g

Maximum value of SAR (measured) = 0.978 mW/g



0 dB = 0.978 mW/g = -0.19 dB mW/g

#521_LTE Band 2_20M_QPSK 100RB 0offset_Curved surface of Edge3_0cm_Ch18900**DUT: 311703**

Communication System: LTE; Frequency: 1880 MHz; Duty Cycle: 1:1

Medium: MSL1900_130221 Medium parameters used: $f = 1880$ MHz; $\sigma = 1.51$ mho/m; $\epsilon_r = 54.235$; $\rho =$

1000 kg/m^3

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

DASY5 Configuration:

- Probe: ET3DV6 - SN1787; ConvF(4.58, 4.58, 4.58); Calibrated: 2012/5/29;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn495; Calibrated: 2012/4/23
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP:1127
- Measurement SW: DASY52, Version 52.8 (3); SEMCAD X Version 14.6.5 (6469)

Configuration/Ch18900/Area Scan (61x81x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Maximum value of SAR (interpolated) = 1.04 mW/g

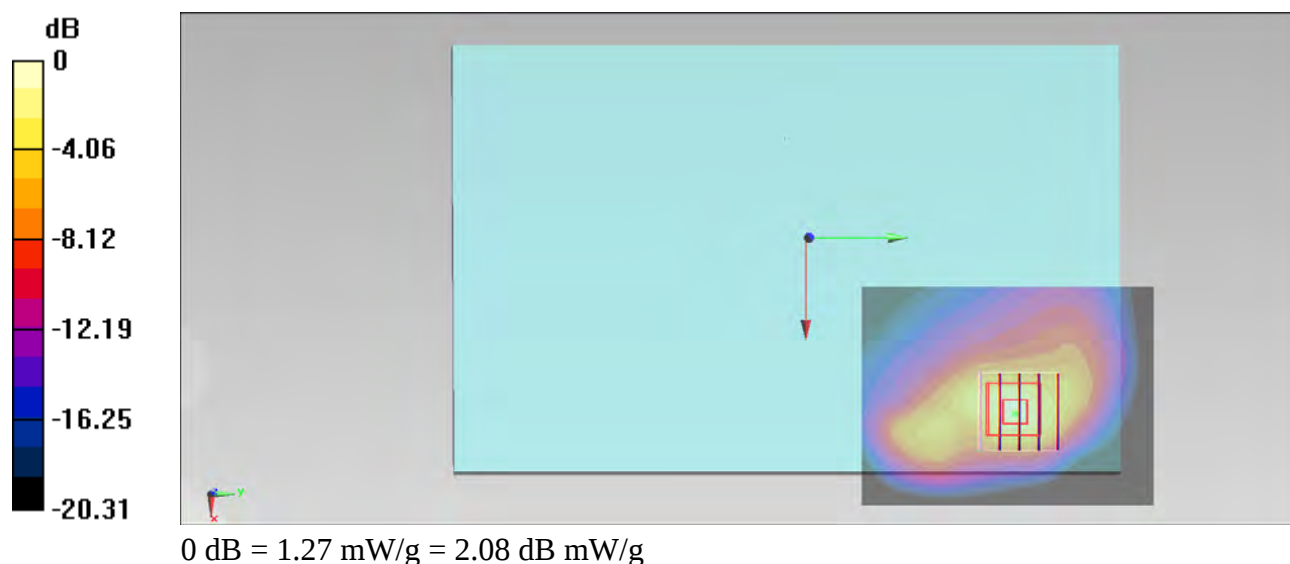
Configuration/Ch18900/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 30.925 V/m ; Power Drift = 0.06 dB

Peak SAR (extrapolated) = 2.097 mW/g

SAR(1 g) = 1.05 mW/g ; SAR(10 g) = 0.499 mW/g

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



#416_LTE Band 25_20M_QPSK 1RB 49offset_Bottom Face_1cm_Ch26140**DUT: 311703**

Communication System: LTE; Frequency: 1860 MHz; Duty Cycle: 1:1

Medium: MSL_1900_130124 Medium parameters used: $f = 1860$ MHz; $\sigma = 1.493$ mho/m; $\epsilon_r = 53.009$; ρ

$= 1000$ kg/m³

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3792; ConvF(7.29, 7.29, 7.29); Calibrated: 2012/6/21;
- Sensor-Surface: 2mm (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/Ch26140/Area Scan (61x81x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.643 mW/g

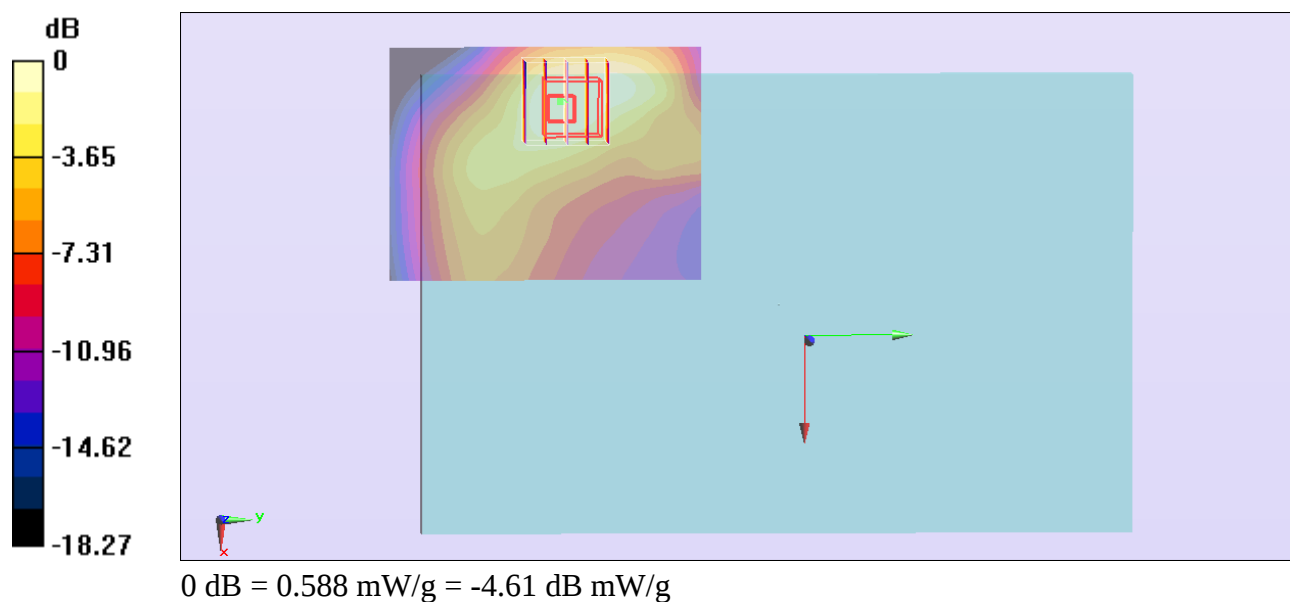
Configuration/Ch26140/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 20.880 V/m; Power Drift = -0.15 dB

Peak SAR (extrapolated) = 0.730 mW/g

SAR(1 g) = 0.466 mW/g; SAR(10 g) = 0.285 mW/g

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



#417_LTE Band 25_20M_QPSK 50RB 0offset_Bottom Face_1cm_Ch26140**DUT: 311703**

Communication System: LTE; Frequency: 1860 MHz; Duty Cycle: 1:1

Medium: MSL_1900_130124 Medium parameters used: $f = 1860$ MHz; $\sigma = 1.493$ mho/m; $\epsilon_r = 53.009$; ρ

$= 1000$ kg/m³

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3792; ConvF(7.29, 7.29, 7.29); Calibrated: 2012/6/21;
- Sensor-Surface: 2mm (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/Ch26140/Area Scan (61x81x1): Measurement grid: dx=15mm, dy=15mm

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

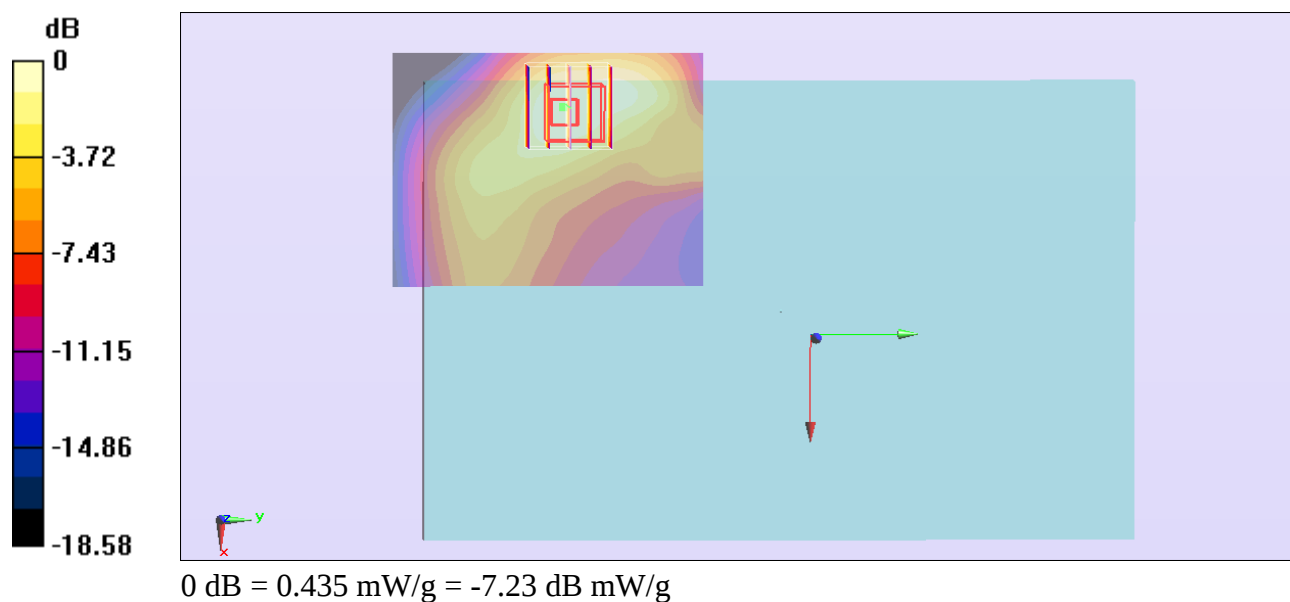
Configuration/Ch26140/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 17.545 V/m; Power Drift = -0.10 dB

Peak SAR (extrapolated) = 0.541 mW/g

SAR(1 g) = 0.342 mW/g; SAR(10 g) = 0.208 mW/g

Maximum value of SAR (measured) = 0.435 mW/g



#418_LTE Band 25_20M_QPSK 1RB 49offset_Edge3_0.8cm_Ch26140**DUT: 311703**

Communication System: LTE; Frequency: 1860 MHz; Duty Cycle: 1:1

Medium: MSL_1900_130124 Medium parameters used: $f = 1860$ MHz; $\sigma = 1.493$ mho/m; $\epsilon_r = 53.009$; ρ

$= 1000$ kg/m³

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3792; ConvF(7.29, 7.29, 7.29); Calibrated: 2012/6/21;
- Sensor-Surface: 2mm (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/Ch26140/Area Scan (41x101x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.956 mW/g

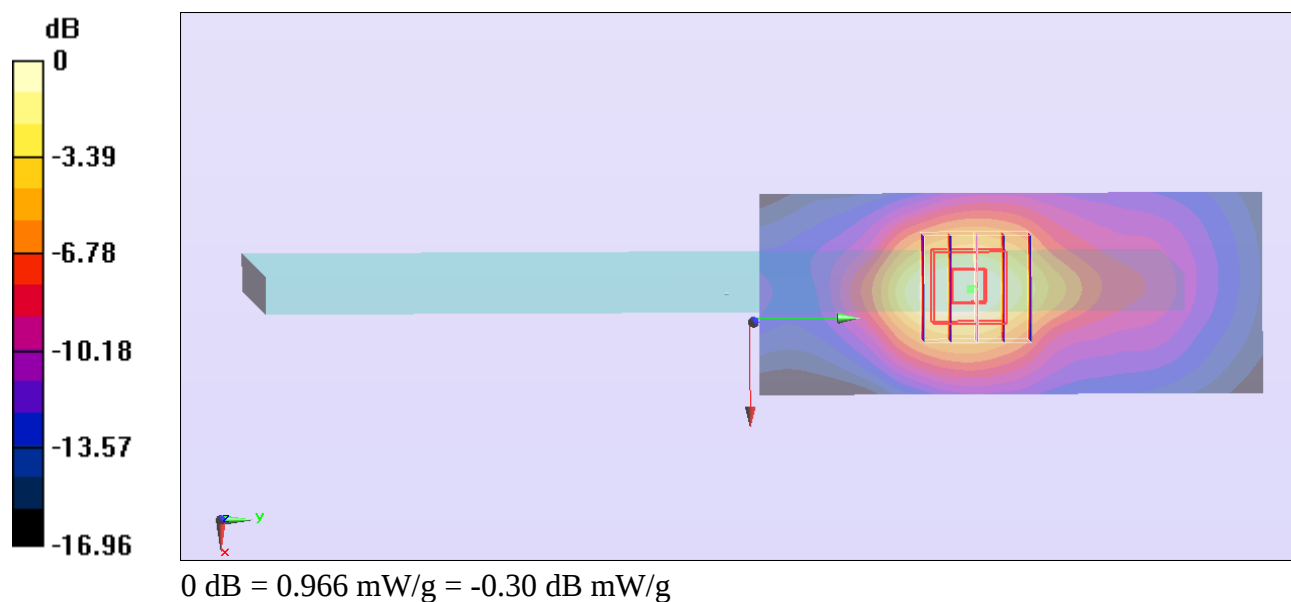
Configuration/Ch26140/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 25.980 V/m; Power Drift = -0.10 dB

Peak SAR (extrapolated) = 1.175 mW/g

SAR(1 g) = 0.723 mW/g; SAR(10 g) = 0.413 mW/g

Maximum value of SAR (measured) = 0.966 mW/g



#419_LTE Band 25_20M_QPSK 50RB 0offset_Edge3_0.8cm_Ch26140**DUT: 311703**

Communication System: LTE; Frequency: 1860 MHz; Duty Cycle: 1:1

Medium: MSL_1900_130124 Medium parameters used: $f = 1860$ MHz; $\sigma = 1.493$ mho/m; $\epsilon_r = 53.009$; ρ

$= 1000$ kg/m³

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3792; ConvF(7.29, 7.29, 7.29); Calibrated: 2012/6/21;
- Sensor-Surface: 2mm (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/Ch26140/Area Scan (41x101x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.705 mW/g

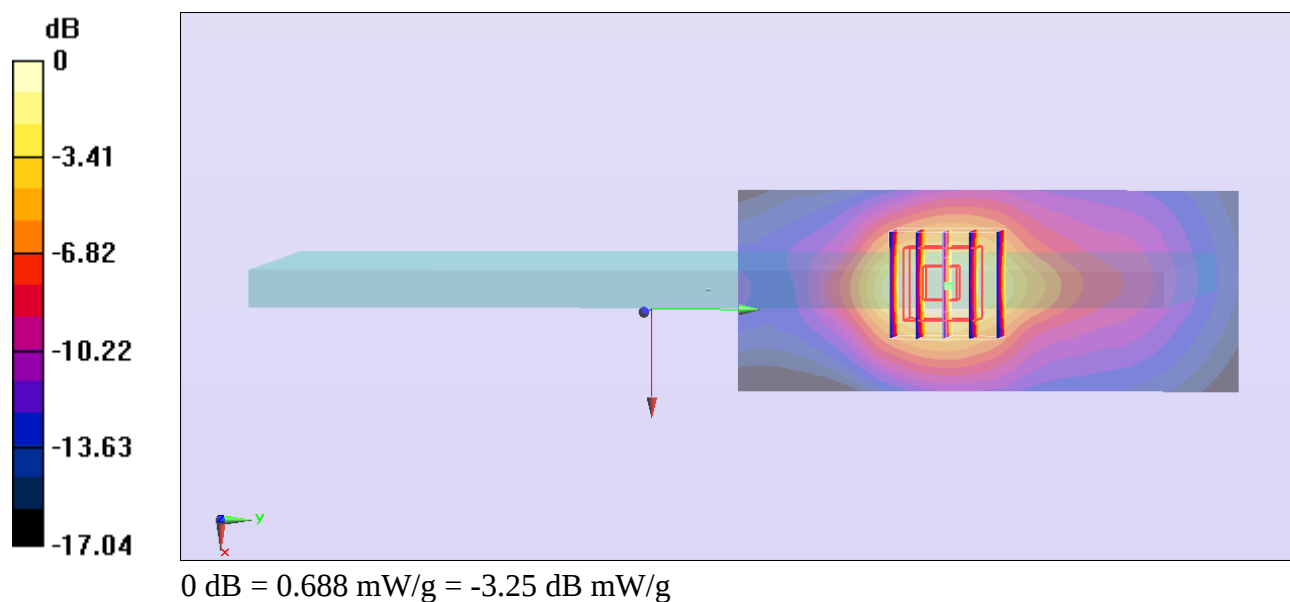
Configuration/Ch26140/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 21.899 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 0.846 mW/g

SAR(1 g) = 0.521 mW/g; SAR(10 g) = 0.298 mW/g

Maximum value of SAR (measured) = 0.688 mW/g



#420_LTE Band 25_20M_QPSK 1RB 49offset_Edge4_0cm_Ch26140**DUT: 311703**

Communication System: LTE; Frequency: 1860 MHz; Duty Cycle: 1:1

Medium: MSL_1900_130124 Medium parameters used: $f = 1860$ MHz; $\sigma = 1.493$ mho/m; $\epsilon_r = 53.009$; ρ

$= 1000$ kg/m³

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3792; ConvF(7.29, 7.29, 7.29); Calibrated: 2012/6/21;
- Sensor-Surface: 2mm (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/Ch26140/Area Scan (31x141x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.462 mW/g

Configuration/Ch26140/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 18.112 V/m; Power Drift = 0.10 dB

Peak SAR (extrapolated) = 0.601 mW/g

SAR(1 g) = 0.358 mW/g; SAR(10 g) = 0.201 mW/g

Maximum value of SAR (measured) = 0.489 mW/g

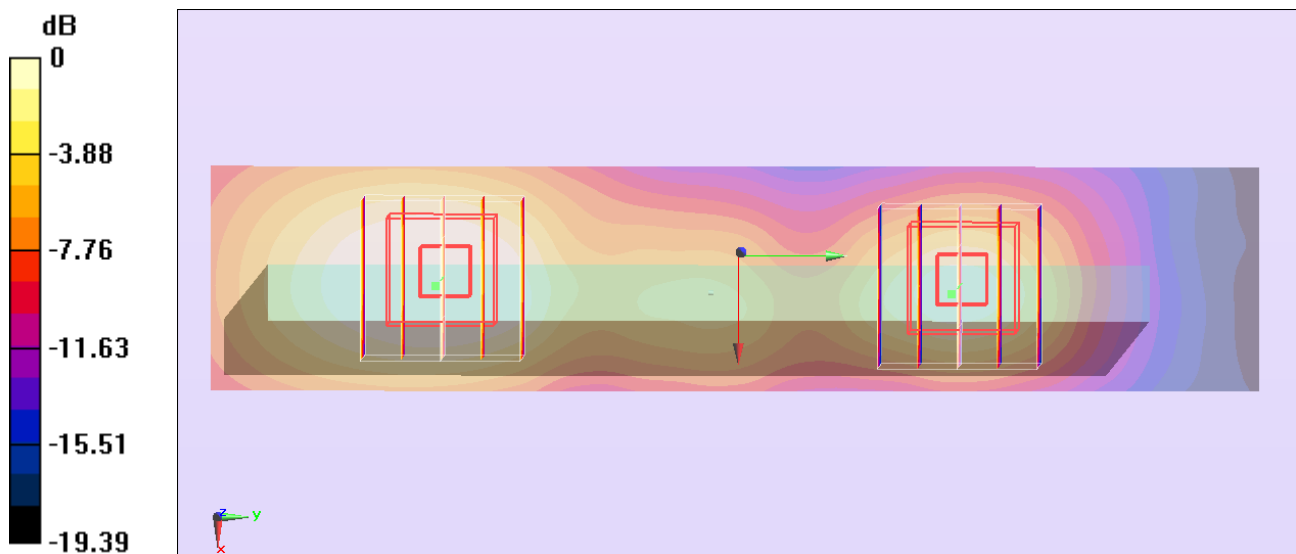
Configuration/Ch26140/Zoom Scan (5x5x7)/Cube 1: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 18.112 V/m; Power Drift = 0.10 dB

Peak SAR (extrapolated) = 0.408 mW/g

SAR(1 g) = 0.227 mW/g; SAR(10 g) = 0.117 mW/g

Maximum value of SAR (measured) = 0.322 mW/g



0 dB = 0.322 mW/g = -9.84 dB mW/g

#421_LTE Band 25_20M_QPSK 50RB 0offset_Edge4_0cm_Ch26140**DUT: 311703**

Communication System: LTE; Frequency: 1860 MHz; Duty Cycle: 1:1

Medium: MSL_1900_130124 Medium parameters used: $f = 1860$ MHz; $\sigma = 1.493$ mho/m; $\epsilon_r = 53.009$; ρ

$= 1000$ kg/m³

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3792; ConvF(7.29, 7.29, 7.29); Calibrated: 2012/6/21;
- Sensor-Surface: 2mm (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/Ch26140/Area Scan (31x141x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.336 mW/g

Configuration/Ch26140/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 15.512 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 0.427 mW/g

SAR(1 g) = 0.255 mW/g; SAR(10 g) = 0.144 mW/g

Maximum value of SAR (measured) = 0.348 mW/g

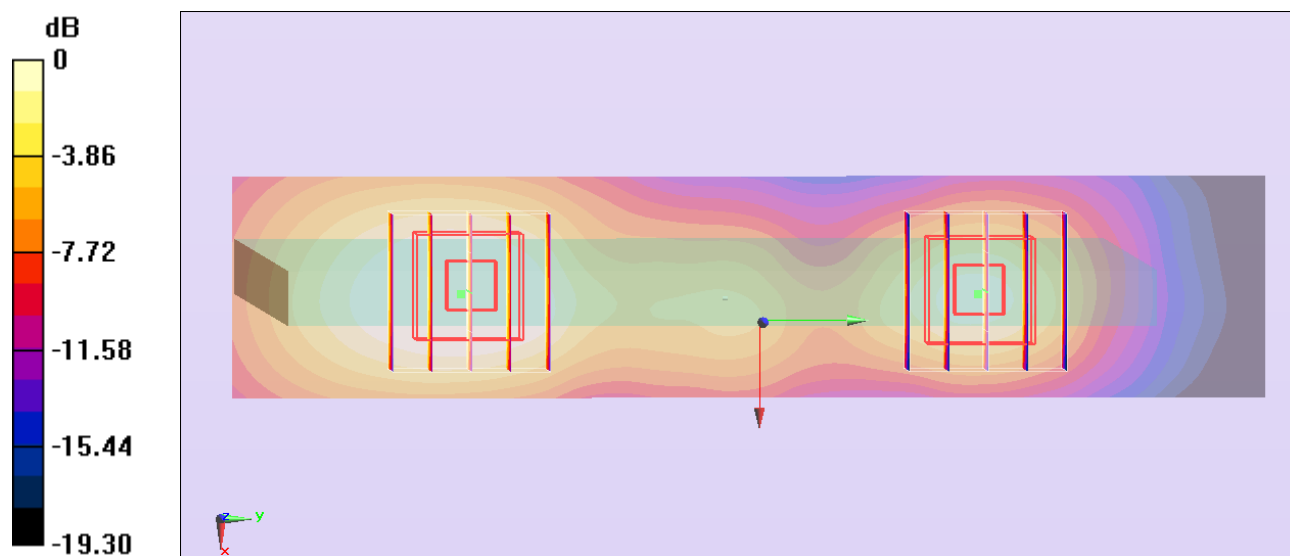
Configuration/Ch26140/Zoom Scan (5x5x7)/Cube 1: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 15.512 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 0.300 mW/g

SAR(1 g) = 0.164 mW/g; SAR(10 g) = 0.084 mW/g

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



0 dB = 0.239 mW/g = -12.43 dB mW/g

#407_LTE Band 25_20M_QPSK 1RB 49offset_Bottom Face_0cm_Ch26140**DUT: 311703**

Communication System: LTE; Frequency: 1860 MHz; Duty Cycle: 1:1

Medium: MSL_1900_130124 Medium parameters used: $f = 1860$ MHz; $\sigma = 1.493$ mho/m; $\epsilon_r = 53.009$; ρ

$= 1000$ kg/m³

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3792; ConvF(7.29, 7.29, 7.29); Calibrated: 2012/6/21;
- Sensor-Surface: 2mm (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/Ch26140/Area Scan (61x81x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 1.16 mW/g

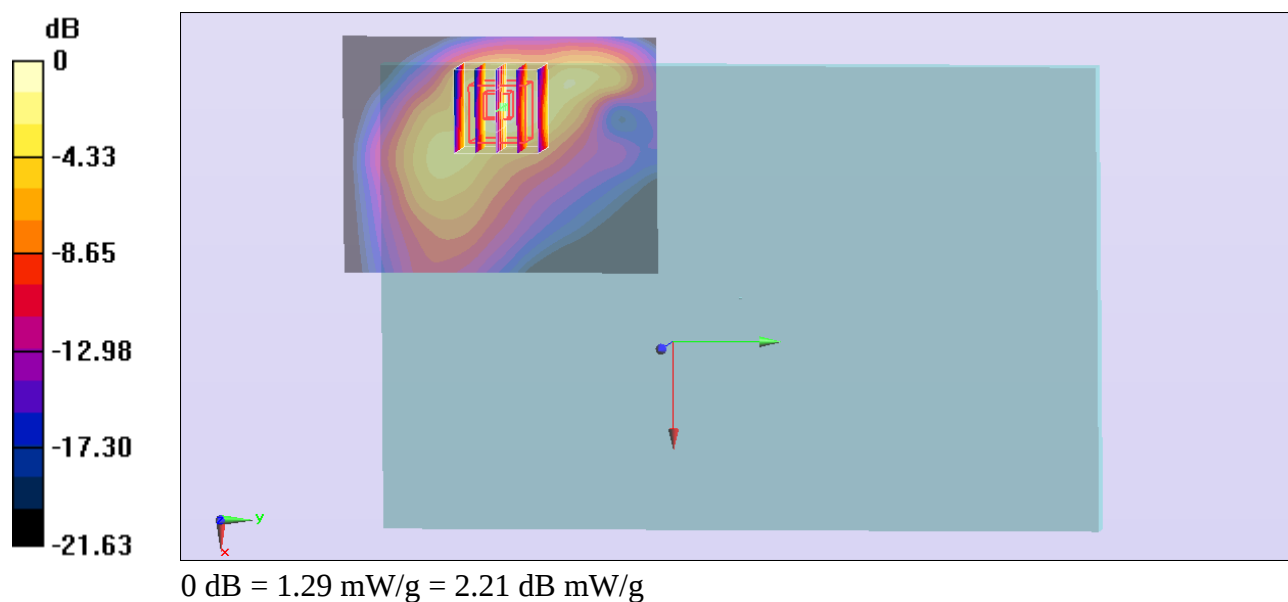
Configuration/Ch26140/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 30.675 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 1.805 mW/g

SAR(1 g) = 0.913 mW/g; SAR(10 g) = 0.447 mW/g

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



#408_LTE Band 25_20M_QPSK 1RB 49offset_Bottom Face_0cm_Ch26365**DUT: 311703**

Communication System: LTE; Frequency: 1882.5 MHz; Duty Cycle: 1:1

Medium: MSL_1900_130124 Medium parameters used: $f = 1882.5$ MHz; $\sigma = 1.511$ mho/m; $\epsilon_r = 52.917$; $\rho = 1000$ kg/m³

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3792; ConvF(7.29, 7.29, 7.29); Calibrated: 2012/6/21;
- Sensor-Surface: 2mm (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)

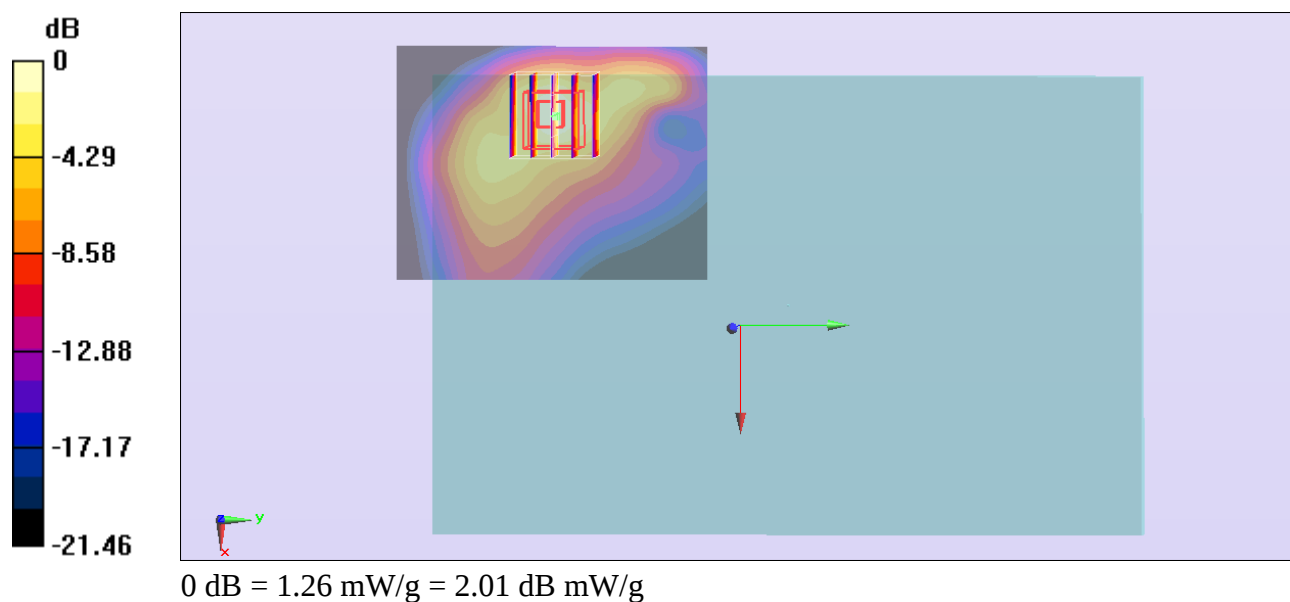
Configuration/Ch26365/Area Scan (61x81x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 1.15 mW/g**Configuration/Ch26365/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 30.217 V/m; Power Drift = -0.07 dB

Peak SAR (extrapolated) = 1.768 mW/g

SAR(1 g) = 0.894 mW/g; SAR(10 g) = 0.436 mW/g

Maximum value of SAR (measured) = 1.26 mW/g



#409_LTE Band 25_20M_QPSK 1RB 49offset_Bottom Face_0cm_Ch26590**DUT: 311703**

Communication System: LTE; Frequency: 1905 MHz; Duty Cycle: 1:1

Medium: MSL_1900_130124 Medium parameters used: $f = 1905$ MHz; $\sigma = 1.53$ mho/m; $\epsilon_r = 52.781$; $\rho =$

1000 kg/m³

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3792; ConvF(7.29, 7.29, 7.29); Calibrated: 2012/6/21;
- Sensor-Surface: 2mm (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/Ch26590/Area Scan (61x81x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 1.12 mW/g

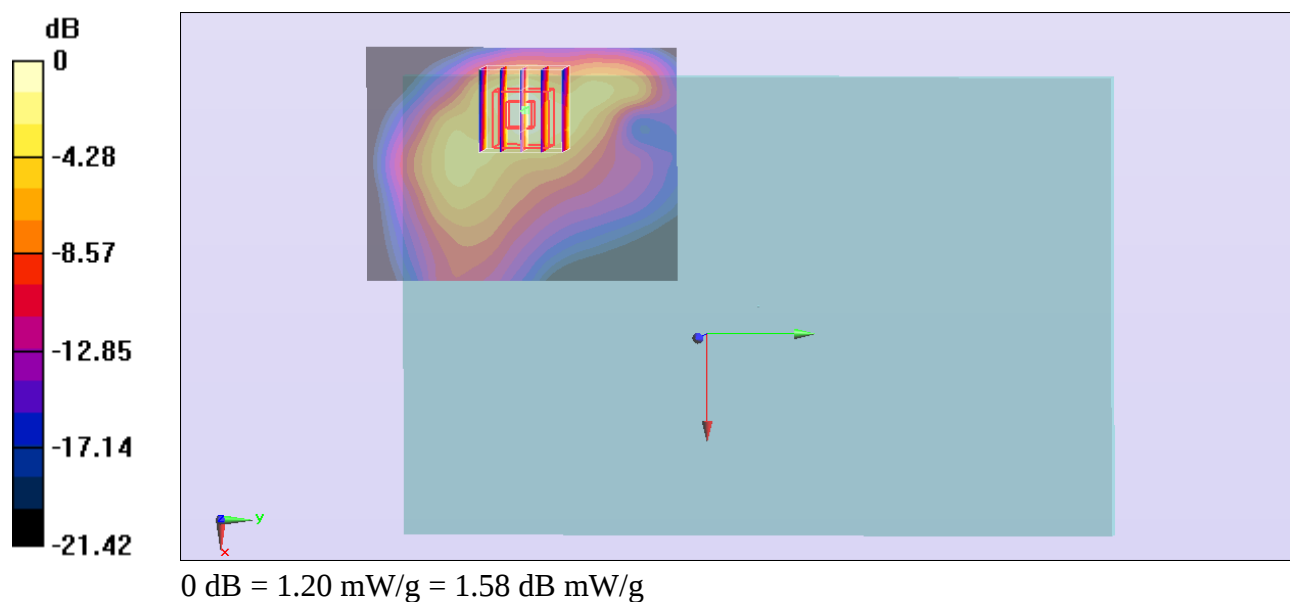
Configuration/Ch26590/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 30.039 V/m; Power Drift = -0.16 dB

Peak SAR (extrapolated) = 1.741 mW/g

SAR(1 g) = 0.873 mW/g; SAR(10 g) = 0.422 mW/g

Maximum value of SAR (measured) = 1.20 mW/g



#410_LTE Band 25_20M_QPSK 50RB 0offset_Bottom Face_0cm_Ch26140**DUT: 311703**

Communication System: LTE; Frequency: 1860 MHz; Duty Cycle: 1:1

Medium: MSL_1900_130124 Medium parameters used: $f = 1860$ MHz; $\sigma = 1.493$ mho/m; $\epsilon_r = 53.009$; ρ

$= 1000$ kg/m³

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3792; ConvF(7.29, 7.29, 7.29); Calibrated: 2012/6/21;
- Sensor-Surface: 2mm (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/Ch26140/Area Scan (61x81x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 1.10 mW/g

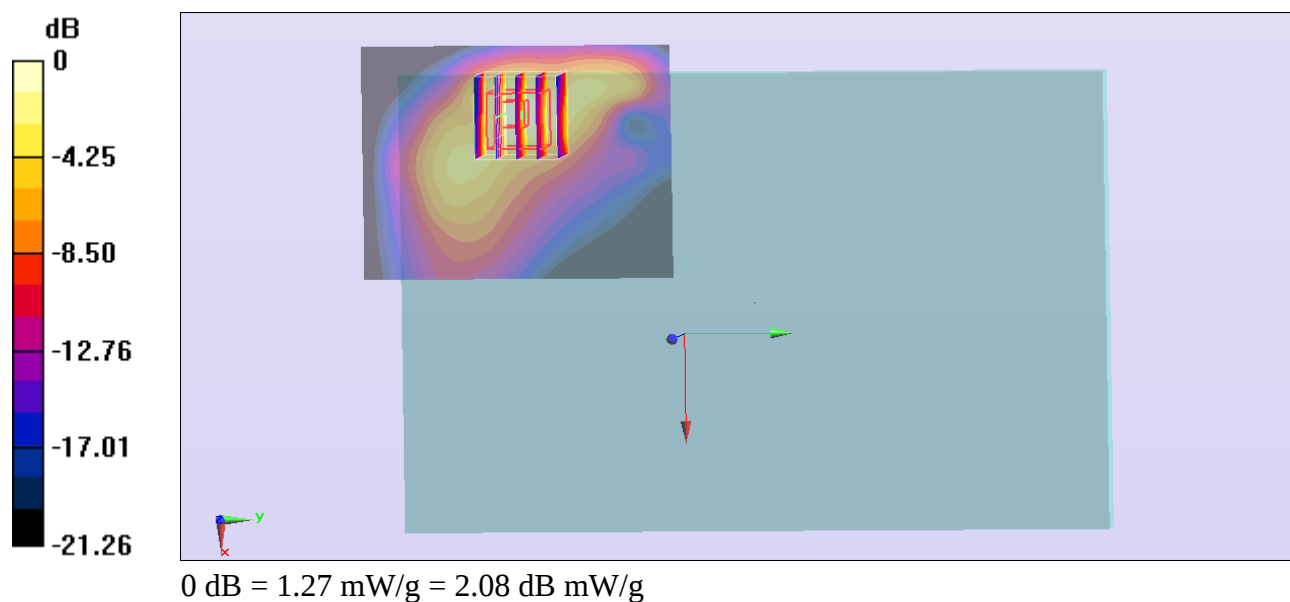
Configuration/Ch26140/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 29.058 V/m; Power Drift = -0.07 dB

Peak SAR (extrapolated) = 1.753 mW/g

SAR(1 g) = 0.870 mW/g; SAR(10 g) = 0.425 mW/g

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



#411_LTE Band 25_20M_QPSK 50RB 0offset_Bottom Face_0cm_Ch26365**DUT: 311703**

Communication System: LTE; Frequency: 1882.5 MHz; Duty Cycle: 1:1

Medium: MSL_1900_130124 Medium parameters used: $f = 1882.5$ MHz; $\sigma = 1.511$ mho/m; $\epsilon_r = 52.917$;

$\rho = 1000$ kg/m³

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3792; ConvF(7.29, 7.29, 7.29); Calibrated: 2012/6/21;
- Sensor-Surface: 2mm (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/Ch26365/Area Scan (61x81x1): Measurement grid: dx=15mm, dy=15mm

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

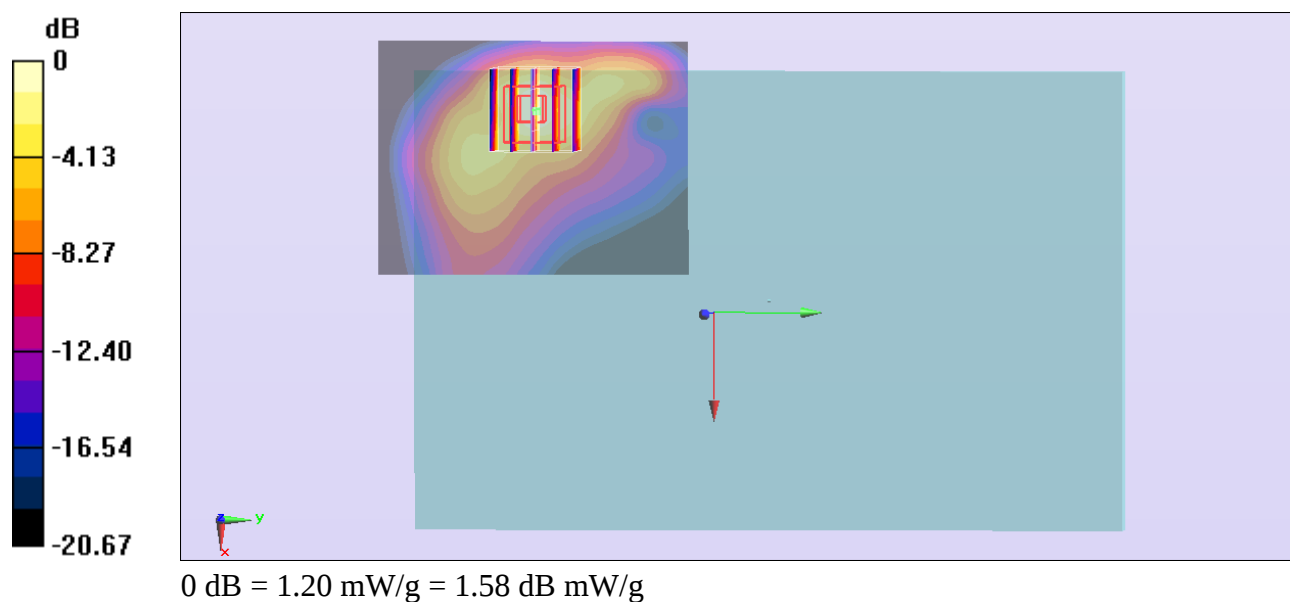
Configuration/Ch26365/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 29.411 V/m; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 1.739 mW/g

SAR(1 g) = 0.849 mW/g; SAR(10 g) = 0.410 mW/g

Maximum value of SAR (measured) = 1.20 mW/g



#412_LTE Band 25_20M_QPSK 50RB 0offset_Bottom Face_0cm_Ch26590**DUT: 311703**

Communication System: LTE; Frequency: 1905 MHz; Duty Cycle: 1:1

Medium: MSL_1900_130124 Medium parameters used: $f = 1905$ MHz; $\sigma = 1.53$ mho/m; $\epsilon_r = 52.781$; $\rho =$

1000 kg/m^3

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3792; ConvF(7.29, 7.29, 7.29); Calibrated: 2012/6/21;
- Sensor-Surface: 2mm (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/Ch26590/Area Scan (61x81x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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

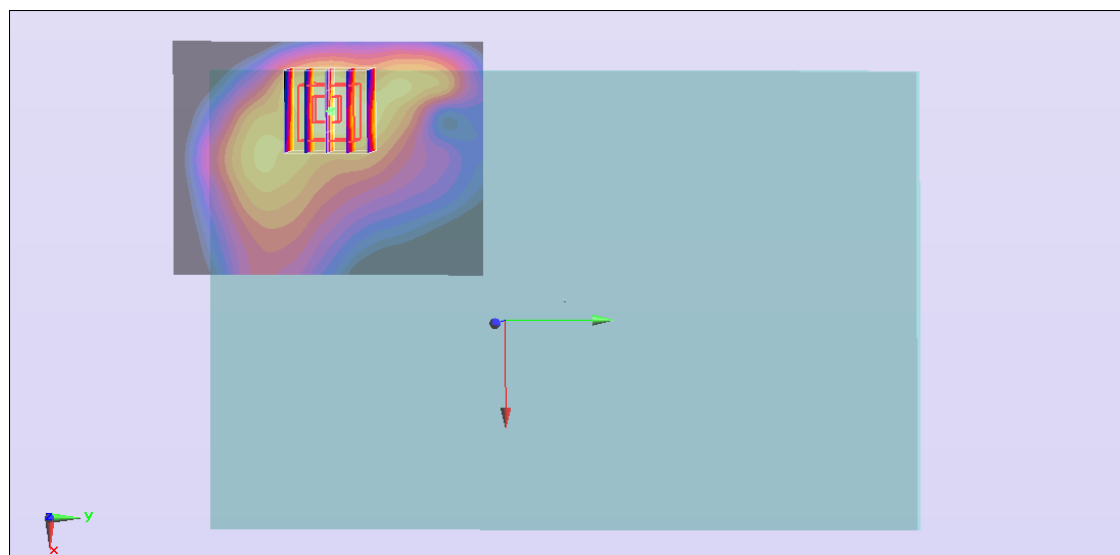
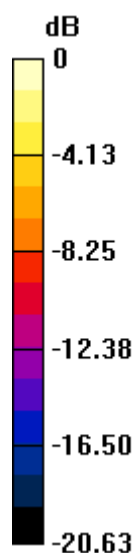
Configuration/Ch26590/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 29.284 V/m ; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 1.727 mW/g

SAR(1 g) = 0.846 mW/g ; SAR(10 g) = 0.399 mW/g

Maximum value of SAR (measured) = 1.21 mW/g



0 dB = 1.21 mW/g = 1.66 dB mW/g

#413_LTE Band 25_20M_QPSK 100RB 0offset_Bottom Face_0cm_Ch26140**DUT: 311703**

Communication System: LTE; Frequency: 1860 MHz; Duty Cycle: 1:1

Medium: MSL_1900_130124 Medium parameters used: $f = 1860$ MHz; $\sigma = 1.493$ mho/m; $\epsilon_r = 53.009$; ρ

$= 1000$ kg/m³

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3792; ConvF(7.29, 7.29, 7.29); Calibrated: 2012/6/21;
- Sensor-Surface: 2mm (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/Ch26140/Area Scan (61x81x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 1.11 mW/g

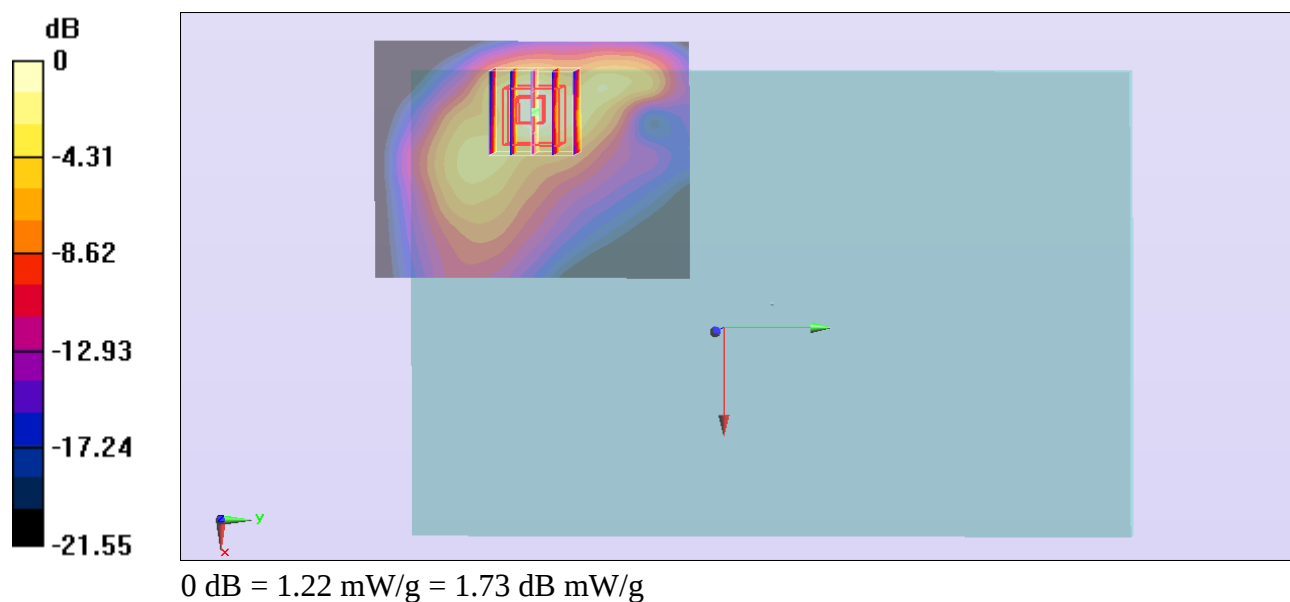
Configuration/Ch26140/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 29.746 V/m; Power Drift = 0.17 dB

Peak SAR (extrapolated) = 1.723 mW/g

SAR(1 g) = 0.856 mW/g; SAR(10 g) = 0.414 mW/g

Maximum value of SAR (measured) = 1.22 mW/g



#414_LTE Band 25_20M_QPSK 1RB 49offset_Edge3_0cm_Ch26140**DUT: 311703**

Communication System: LTE; Frequency: 1860 MHz; Duty Cycle: 1:1

Medium: MSL_1900_130124 Medium parameters used: $f = 1860$ MHz; $\sigma = 1.493$ mho/m; $\epsilon_r = 53.009$; ρ

$= 1000$ kg/m³

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3792; ConvF(7.29, 7.29, 7.29); Calibrated: 2012/6/21;
- Sensor-Surface: 2mm (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/Ch26140/Area Scan (41x101x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.855 mW/g

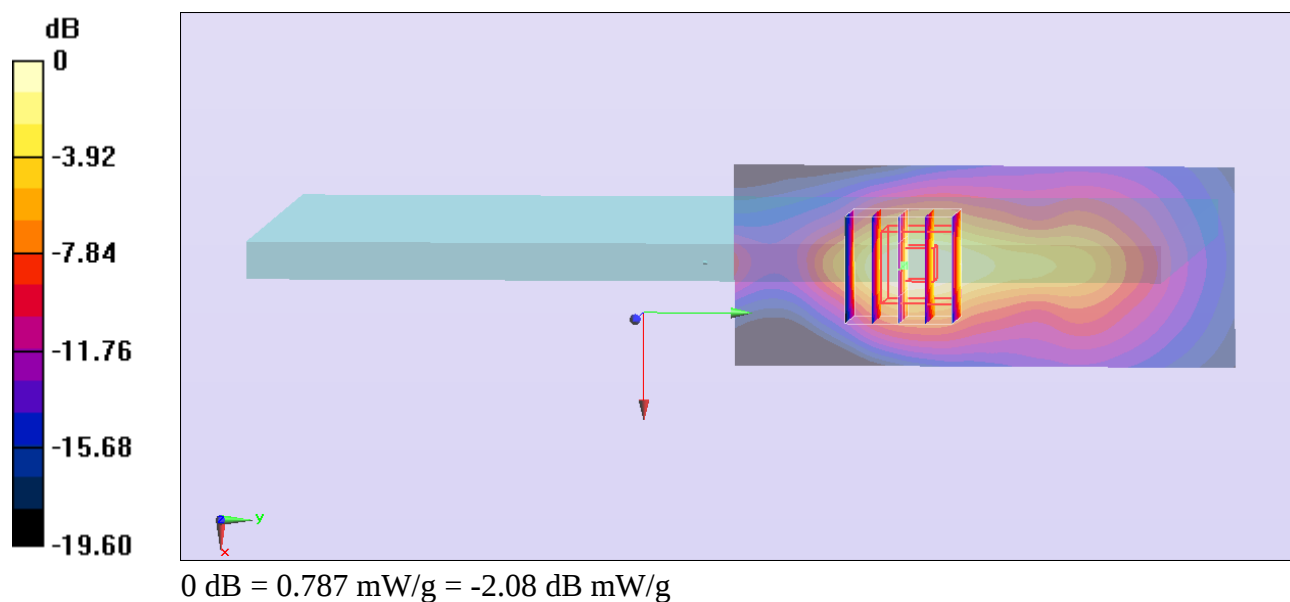
Configuration/Ch26140/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 23.324 V/m; Power Drift = -0.06 dB

Peak SAR (extrapolated) = 1.012 mW/g

SAR(1 g) = 0.569 mW/g; SAR(10 g) = 0.300 mW/g

Maximum value of SAR (measured) = 0.787 mW/g



#415_LTE Band 25_20M_QPSK 50RB 0offset_Edge3_0cm_Ch26140**DUT: 311703**

Communication System: LTE; Frequency: 1860 MHz; Duty Cycle: 1:1

Medium: MSL_1900_130124 Medium parameters used: $f = 1860$ MHz; $\sigma = 1.493$ mho/m; $\epsilon_r = 53.009$; ρ

$= 1000$ kg/m³

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3792; ConvF(7.29, 7.29, 7.29); Calibrated: 2012/6/21;
- Sensor-Surface: 2mm (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/Ch26140/Area Scan (41x101x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.837 mW/g

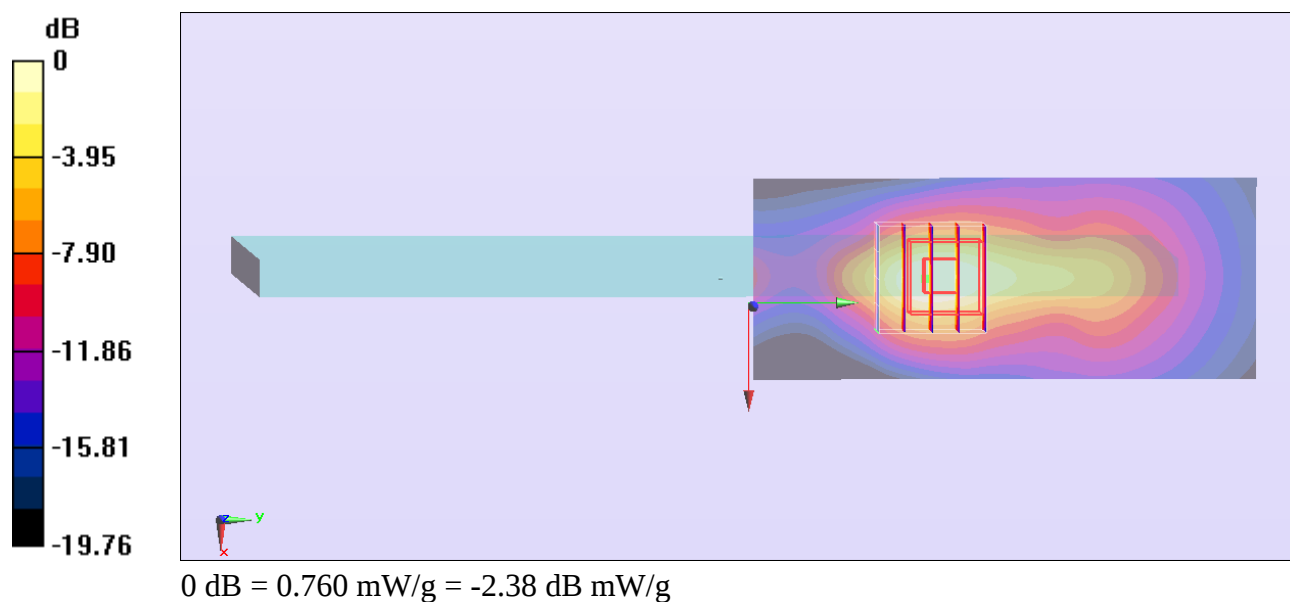
Configuration/Ch26140/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 22.887 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 0.945 mW/g

SAR(1 g) = 0.551 mW/g; SAR(10 g) = 0.290 mW/g

Maximum value of SAR (measured) = 0.760 mW/g



#400_ LTE Band 25_20M_QPSK 1RB 49offset_Bottom Face_0cm_Ch26140;Curve**DUT: 311703**

Communication System: LTE; Frequency: 1860 MHz; Duty Cycle: 1:1

Medium: MSL_1900_130124 Medium parameters used: $f = 1860$ MHz; $\sigma = 1.493$ mho/m; $\epsilon_r = 53.009$; ρ

$= 1000$ kg/m³

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3792; ConvF(7.29, 7.29, 7.29); Calibrated: 2012/6/21;
- Sensor-Surface: 2mm (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/Ch26140/Area Scan (61x81x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 1.72 mW/g

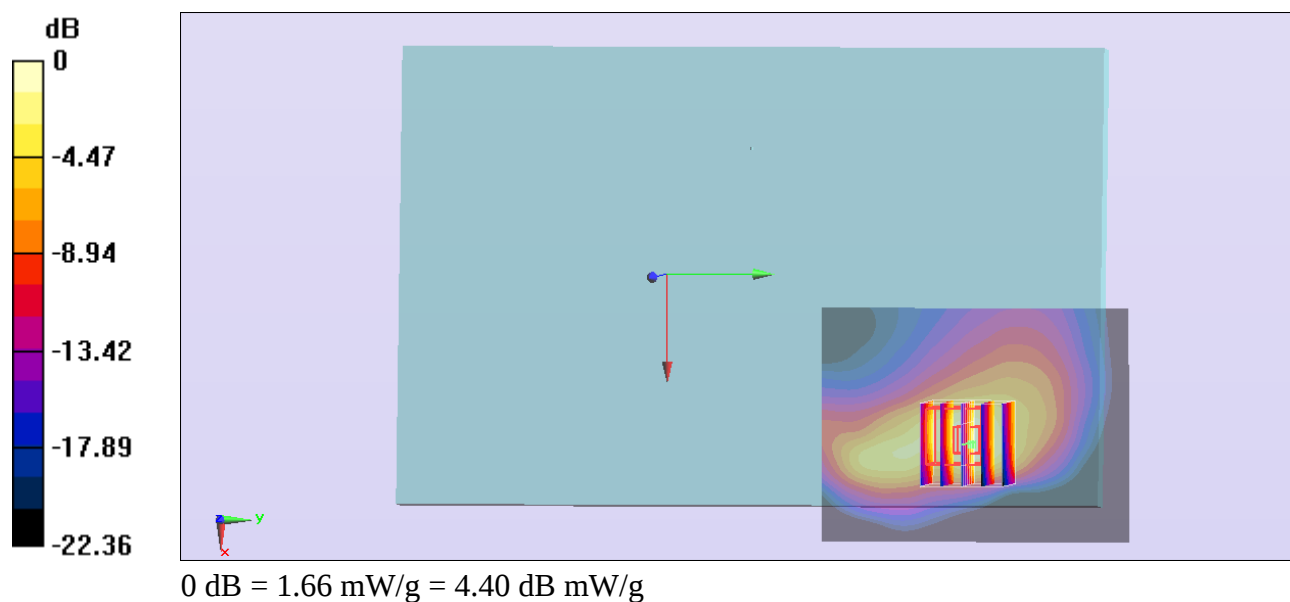
Configuration/Ch26140/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 21.595 V/m; Power Drift = 0.11 dB

Peak SAR (extrapolated) = 2.189 mW/g

SAR(1 g) = 1.07 mW/g; SAR(10 g) = 0.528 mW/g

Maximum value of SAR (measured) = 1.66 mW/g



#401_ LTE Band 25_20M_QPSK 1RB 49offset_Bottom Face_0cm_Ch26365;Curve**DUT: 311703**

Communication System: LTE; Frequency: 1882.5 MHz; Duty Cycle: 1:1

Medium: MSL_1900_130124 Medium parameters used: $f = 1882.5$ MHz; $\sigma = 1.511$ mho/m; $\epsilon_r = 52.917$;

$\rho = 1000$ kg/m³

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3792; ConvF(7.29, 7.29, 7.29); Calibrated: 2012/6/21;
- Sensor-Surface: 2mm (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/Ch26365/Area Scan (61x81x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 1.53 mW/g

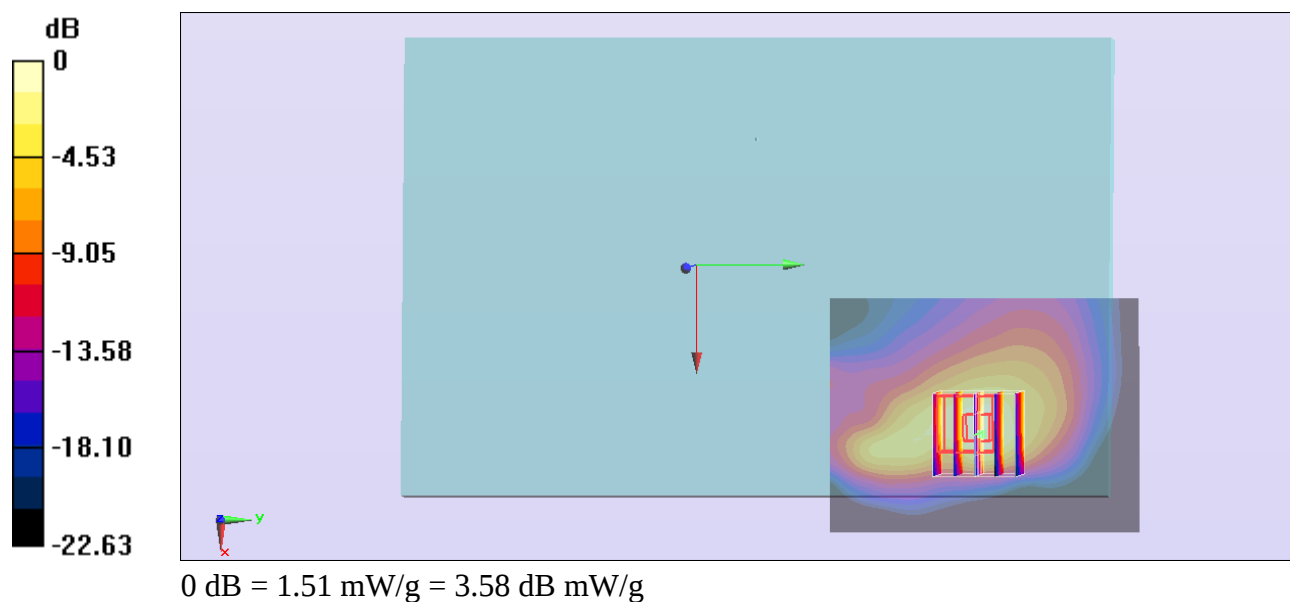
Configuration/Ch26365/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 30.880 V/m; Power Drift = 0.12 dB

Peak SAR (extrapolated) = 2.055 mW/g

SAR(1 g) = 0.970 mW/g; SAR(10 g) = 0.479 mW/g

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



#402_ LTE Band 25_20M_QPSK 1RB 49offset_Bottom Face_0cm_Ch26590;Curve**DUT: 311703**

Communication System: LTE; Frequency: 1905 MHz; Duty Cycle: 1:1

Medium: MSL_1900_130124 Medium parameters used: $f = 1905$ MHz; $\sigma = 1.53$ mho/m; $\epsilon_r = 52.781$; $\rho =$ 1000 kg/m³

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3792; ConvF(7.29, 7.29, 7.29); Calibrated: 2012/6/21;
- Sensor-Surface: 2mm (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/Ch26590/Area Scan (61x81x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 1.40 mW/g

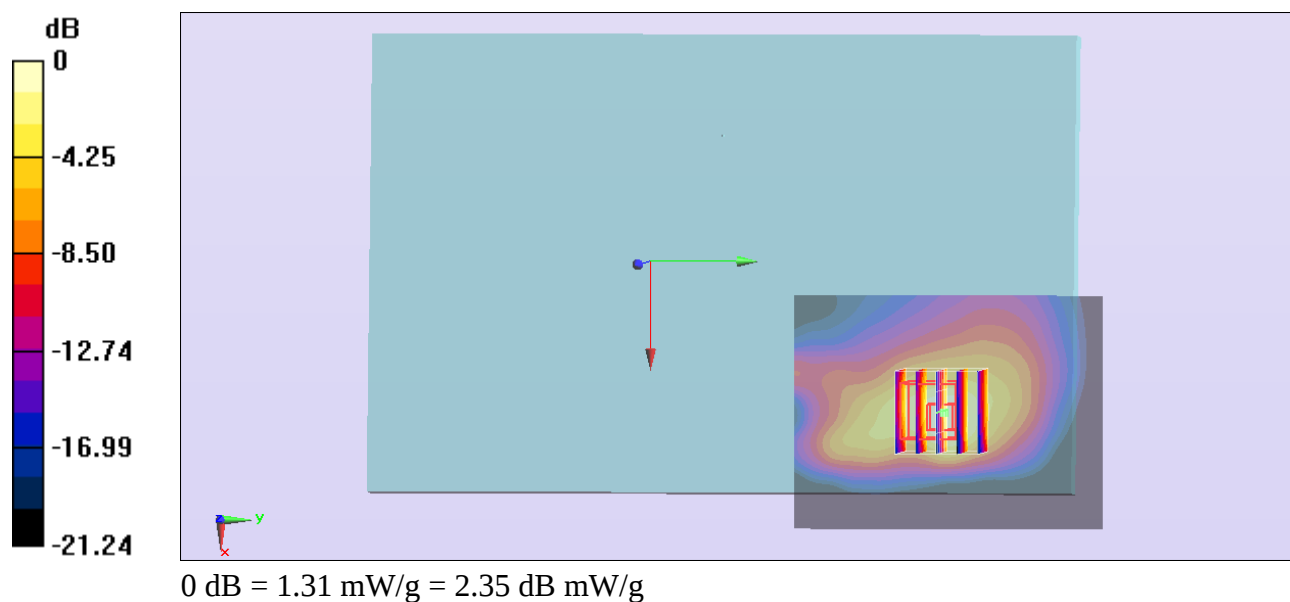
Configuration/Ch26590/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 30.469 V/m; Power Drift = -0.09 dB

Peak SAR (extrapolated) = 1.956 mW/g

SAR(1 g) = 0.910 mW/g; SAR(10 g) = 0.437 mW/g

Maximum value of SAR (measured) = 1.31 mW/g



#403_ LTE Band 25_20M_QPSK 50RB 0offset_Bottom Face_0cm_Ch26140;Curve**DUT: 311703**

Communication System: LTE; Frequency: 1860 MHz; Duty Cycle: 1:1

Medium: MSL_1900_130124 Medium parameters used: $f = 1860$ MHz; $\sigma = 1.493$ mho/m; $\epsilon_r = 53.009$; ρ $= 1000$ kg/m³

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3792; ConvF(7.29, 7.29, 7.29); Calibrated: 2012/6/21;
- Sensor-Surface: 2mm (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/Ch26140/Area Scan (61x81x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 1.65 mW/g

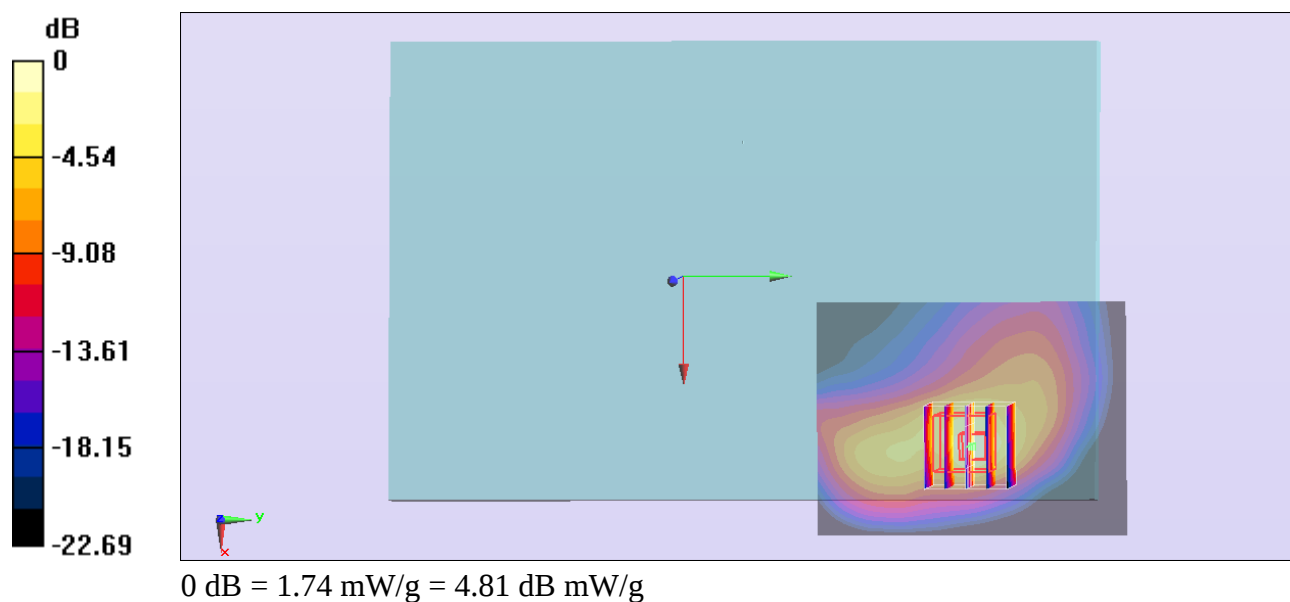
Configuration/Ch26140/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 33.466 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 2.303 mW/g

SAR(1 g) = 1.09 mW/g; SAR(10 g) = 0.515 mW/g

Maximum value of SAR (measured) = 1.74 mW/g



**#422_LTE Band 25_20M_QPSK 50RB 0offset_Bottom
Face_0cm_Ch26140;Curve_Repeat****DUT: 311703**

Communication System: LTE; Frequency: 1860 MHz; Duty Cycle: 1:1

Medium: MSL_1900_130124 Medium parameters used: $f = 1860$ MHz; $\sigma = 1.493$ mho/m; $\epsilon_r = 53.009$; $\rho = 1000$ kg/m³

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3792; ConvF(7.29, 7.29, 7.29); Calibrated: 2012/6/21;
- Sensor-Surface: 2mm (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)

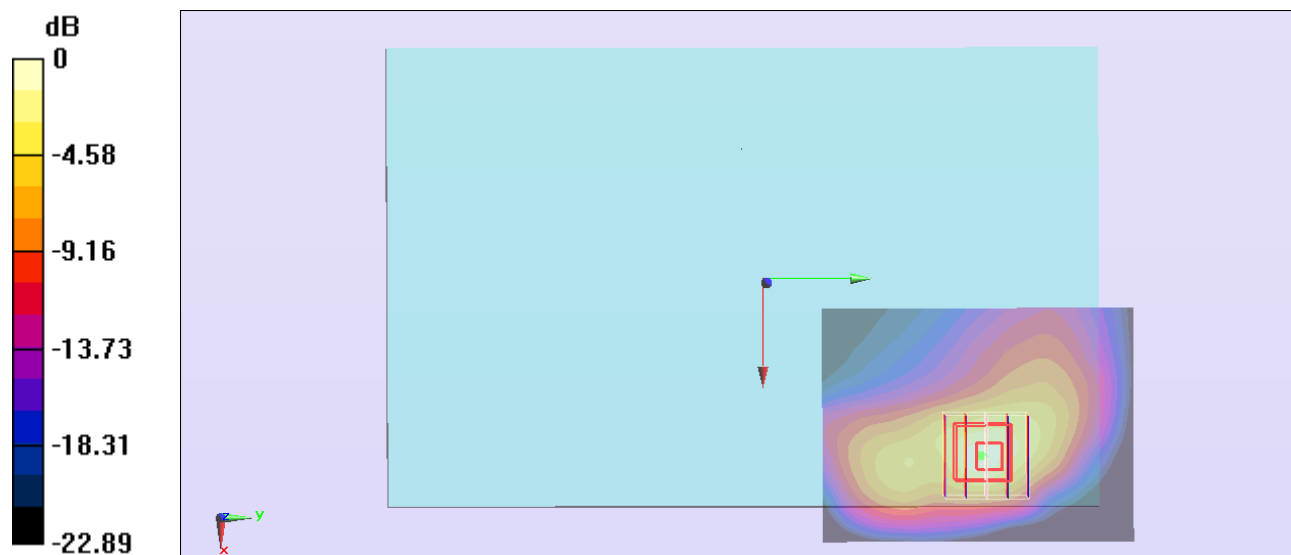
Configuration/Ch26140/Area Scan (61x81x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 1.47 mW/g**Configuration/Ch26140/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 32.102 V/m; Power Drift = -0.13 dB

Peak SAR (extrapolated) = 2.126 mW/g

SAR(1 g) = 1.02 mW/g; SAR(10 g) = 0.476 mW/g

Maximum value of SAR (measured) = 1.57 mW/g



#404_ LTE Band 25_20M_QPSK 50RB 0offset_Bottom Face_0cm_Ch26365;Curve**DUT: 311703**

Communication System: LTE; Frequency: 1882.5 MHz; Duty Cycle: 1:1

Medium: MSL_1900_130124 Medium parameters used: $f = 1882.5$ MHz; $\sigma = 1.511$ mho/m; $\epsilon_r = 52.917$;

$\rho = 1000$ kg/m³

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3792; ConvF(7.29, 7.29, 7.29); Calibrated: 2012/6/21;
- Sensor-Surface: 2mm (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/Ch26365/Area Scan (61x81x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 1.58 mW/g

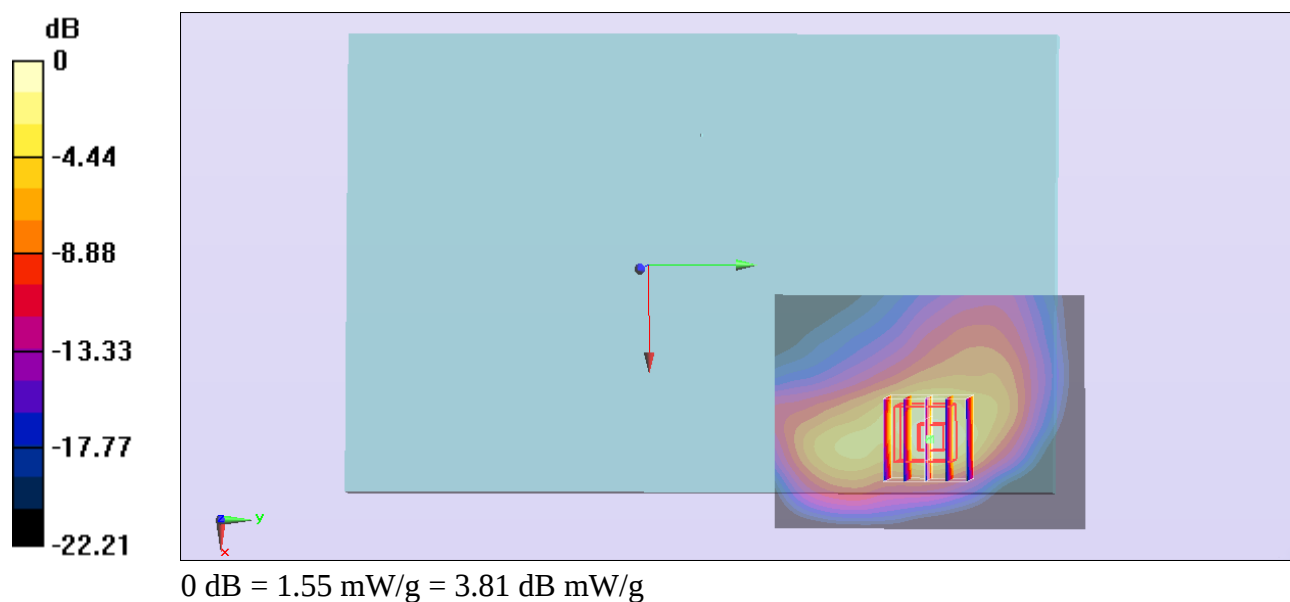
Configuration/Ch26365/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 31.994 V/m; Power Drift = 0.14 dB

Peak SAR (extrapolated) = 2.072 mW/g

SAR(1 g) = 1.02 mW/g; SAR(10 g) = 0.487 mW/g

Maximum value of SAR (measured) = 1.55 mW/g



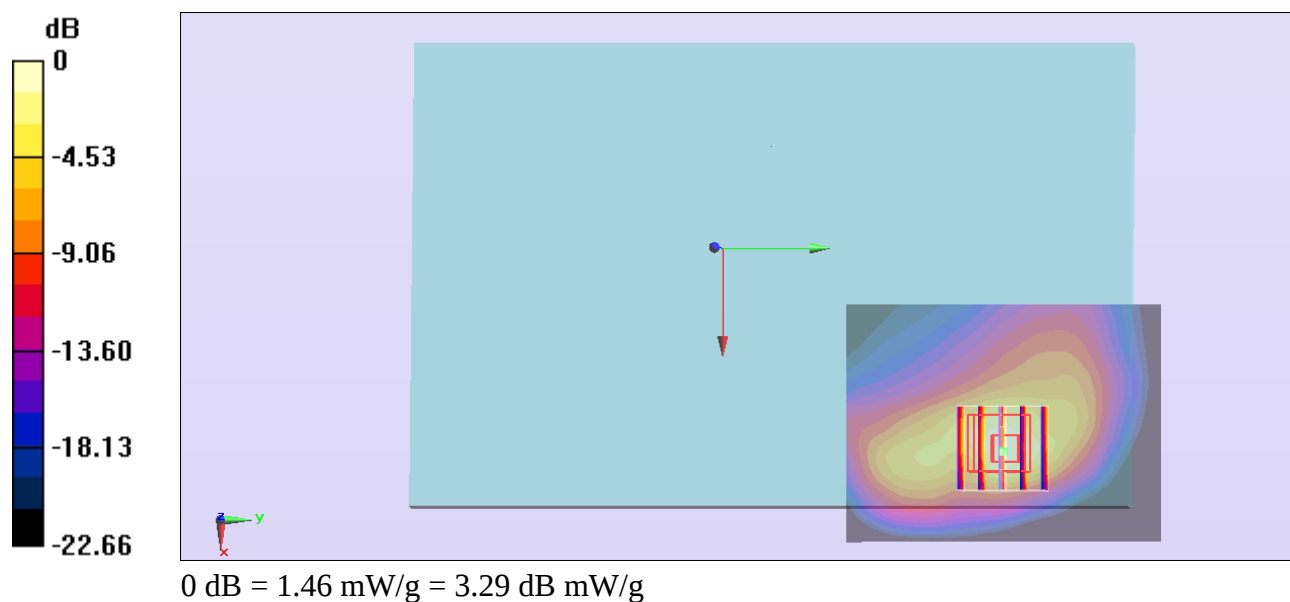
#405_ LTE Band 25_20M_QPSK 50RB 0offset_Bottom Face_0cm_Ch26590;Curve**DUT: 311703**

Communication System: LTE; Frequency: 1905 MHz; Duty Cycle: 1:1

Medium: MSL_1900_130124 Medium parameters used: $f = 1905$ MHz; $\sigma = 1.53$ mho/m; $\epsilon_r = 52.781$; $\rho =$ 1000 kg/m^3 Ambient Temperature : 22.5°C ; Liquid Temperature : 21.5°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3792; ConvF(7.29, 7.29, 7.29); Calibrated: 2012/6/21;
- Sensor-Surface: 2mm (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/Ch26590/Area Scan (61x81x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$
Maximum value of SAR (interpolated) = 1.49 mW/g **Configuration/Ch26590/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$ Reference Value = 31.774 V/m ; Power Drift = 0.01 dB Peak SAR (extrapolated) = 1.915 mW/g **SAR(1 g) = 0.938 mW/g ; SAR(10 g) = 0.454 mW/g** Maximum value of SAR (measured) = 1.46 mW/g 

#406_ LTE Band 25_20M_QPSK 100RB 0offset_Bottom Face_0cm_Ch26140;Curve**DUT: 311703**

Communication System: LTE; Frequency: 1860 MHz; Duty Cycle: 1:1

Medium: MSL_1900_130124 Medium parameters used: $f = 1860$ MHz; $\sigma = 1.493$ mho/m; $\epsilon_r = 53.009$; ρ

$= 1000$ kg/m³

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3792; ConvF(7.29, 7.29, 7.29); Calibrated: 2012/6/21;
- Sensor-Surface: 2mm (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/Ch26140/Area Scan (61x81x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 1.66 mW/g

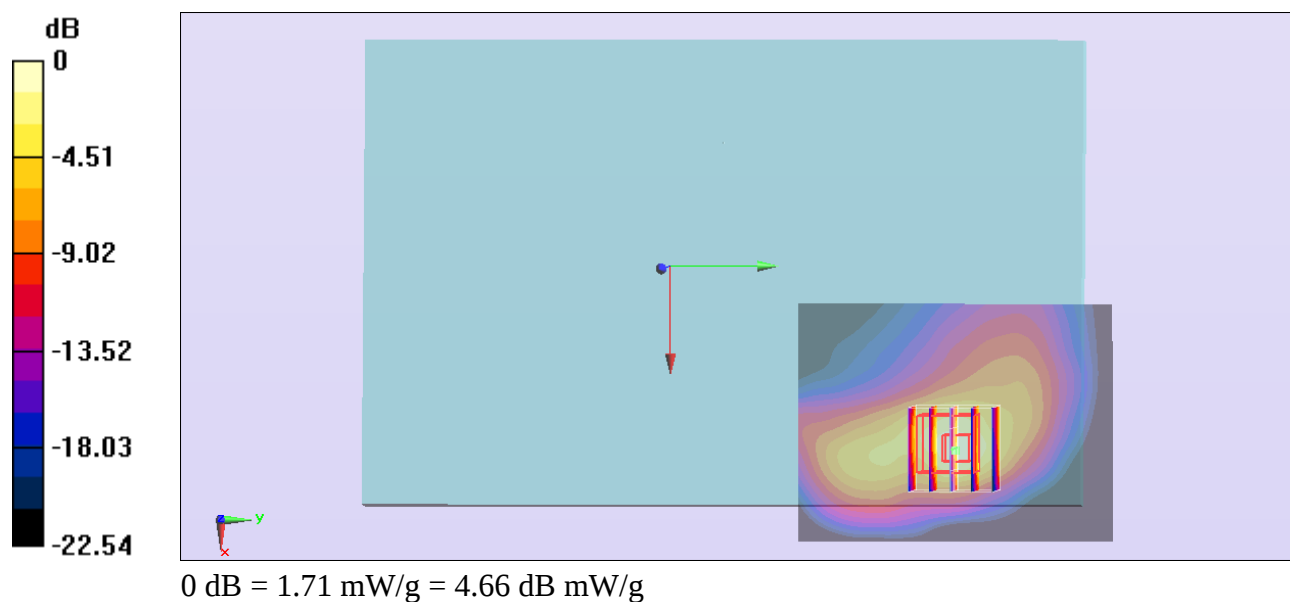
Configuration/Ch26140/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 32.984 V/m; Power Drift = 0.05 dB

Peak SAR (extrapolated) = 2.230 mW/g

SAR(1 g) = 1.06 mW/g; SAR(10 g) = 0.509 mW/g

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



#01_WLAN2.4G_802.11b_Bottom Face_0cm_Ch6;Ant A**DUT: 770629**

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

Medium: MSL_2450_130102 Medium parameters used: $f = 2437$ MHz; $\sigma = 2.001$ mho/m; $\epsilon_r = 53.956$; ρ $= 1000$ kg/m³

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3792; ConvF(7.1, 7.1, 7.1); Calibrated: 2012/6/21;
- Sensor-Surface: 2mm (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/Ch6/Area Scan (101x71x1): Measurement grid: dx=12mm, dy=12mm

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

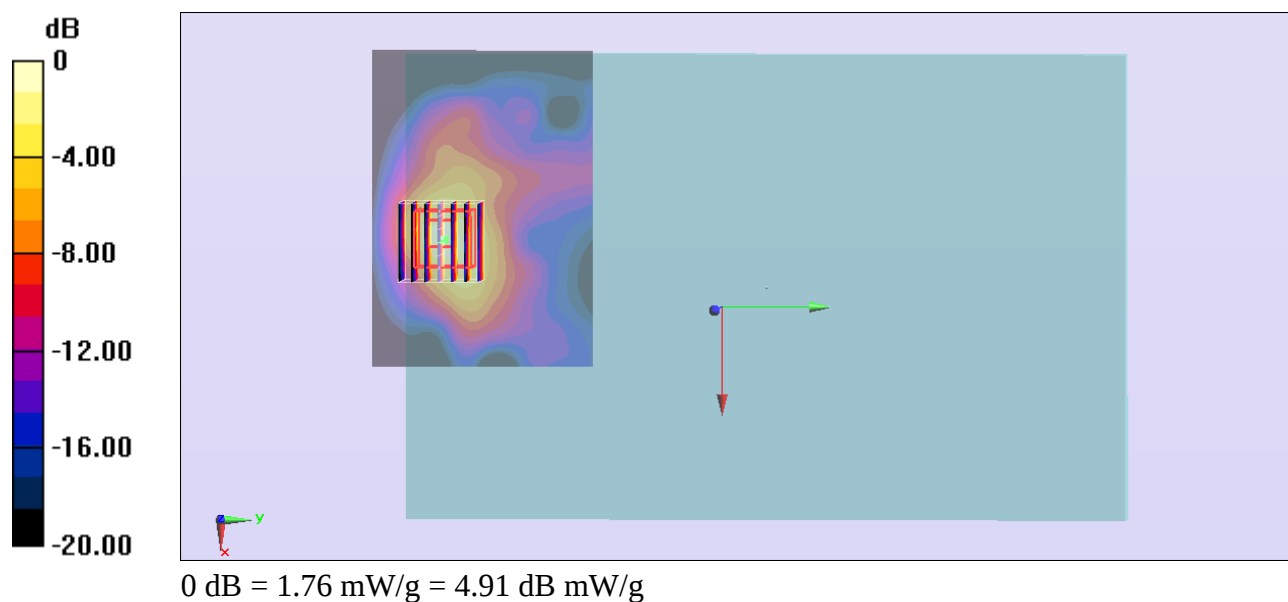
Configuration/Ch6/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 30.000 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 2.796 mW/g

SAR(1 g) = 1.09 mW/g; SAR(10 g) = 0.472 mW/g

Maximum value of SAR (measured) = 1.76 mW/g



#24_WLAN2.4G_802.11b_Bottom Face_0cm_Ch1;Ant A**DUT: 770629**

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

Medium: MSL_2450_130102 Medium parameters used: $f = 2412$ MHz; $\sigma = 1.963$ mho/m; $\epsilon_r = 54.025$; ρ $= 1000$ kg/m³

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3792; ConvF(7.1, 7.1, 7.1); Calibrated: 2012/6/21;
- Sensor-Surface: 2mm (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/Ch1/Area Scan (101x71x1): Measurement grid: dx=12mm, dy=12mm

Maximum value of SAR (interpolated) = 2.11 mW/g

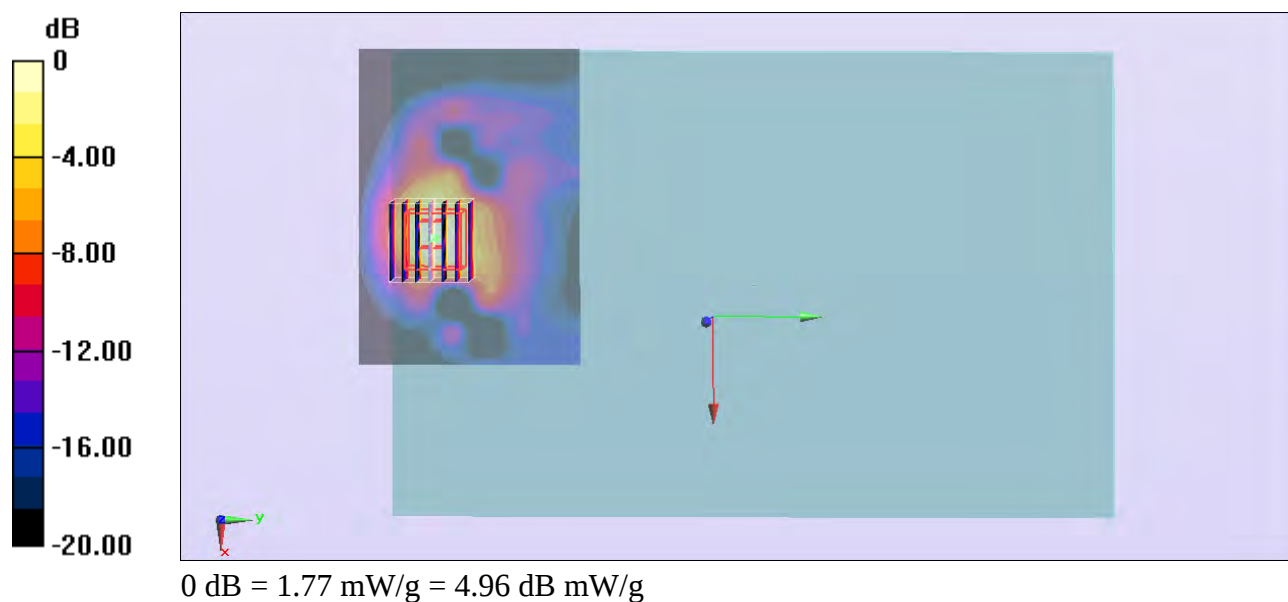
Configuration/Ch1/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 31.644 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 2.413 mW/g

SAR(1 g) = 1.18 mW/g; SAR(10 g) = 0.499 mW/g

Maximum value of SAR (measured) = 1.77 mW/g



#26_WLAN2.4G_802.11b_Bottom Face_0cm_Ch1;Ant A_Repeat**DUT: 770629**

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

Medium: MSL_2450_130102 Medium parameters used: $f = 2412$ MHz; $\sigma = 1.963$ mho/m; $\epsilon_r = 54.025$; ρ $= 1000$ kg/m³

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3792; ConvF(7.1, 7.1, 7.1); Calibrated: 2012/6/21;
- Sensor-Surface: 2mm (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/Ch1/Area Scan (101x71x1): Measurement grid: dx=12mm, dy=12mm

Maximum value of SAR (interpolated) = 1.85 mW/g

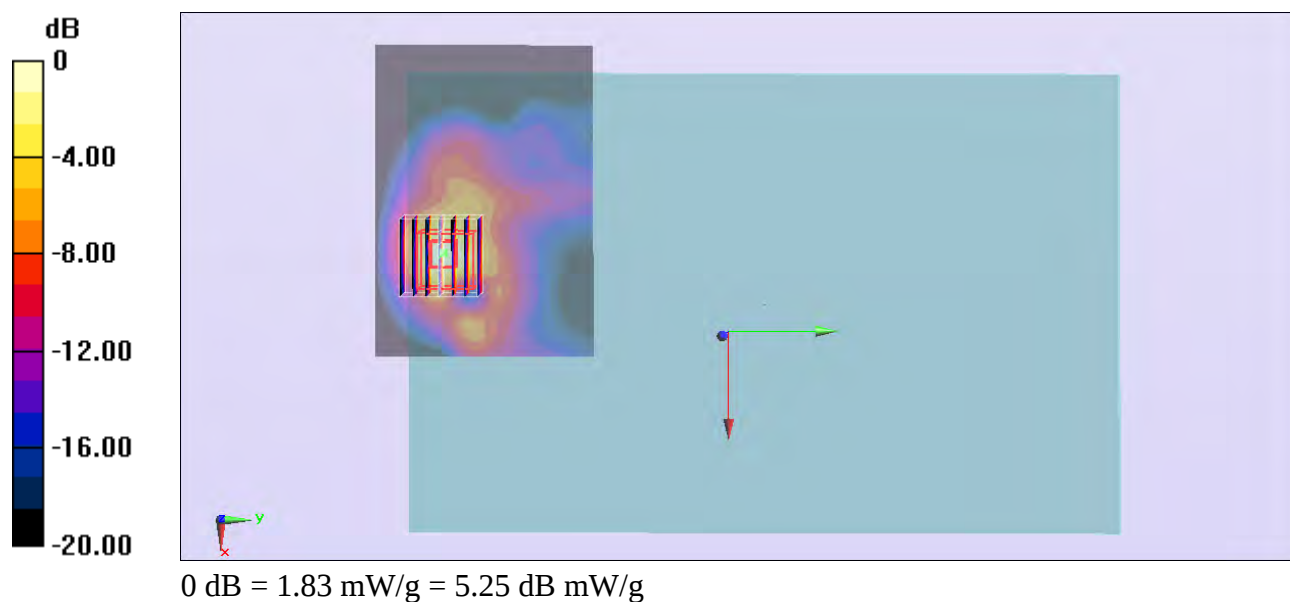
Configuration/Ch1/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 30.668 V/m; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 2.543 mW/g

SAR(1 g) = 1.11 mW/g; SAR(10 g) = 0.480 mW/g

Maximum value of SAR (measured) = 1.83 mW/g



#25_WLAN2.4G_802.11b_Bottom Face_0cm_Ch11;Ant A**DUT: 770629**

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

Medium: MSL_2450_130102 Medium parameters used: $f = 2462$ MHz; $\sigma = 2.037$ mho/m; $\epsilon_r = 53.921$; ρ $= 1000$ kg/m³

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3792; ConvF(7.1, 7.1, 7.1); Calibrated: 2012/6/21;
- Sensor-Surface: 2mm (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/Ch11/Area Scan (101x71x1): Measurement grid: dx=12mm, dy=12mm

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

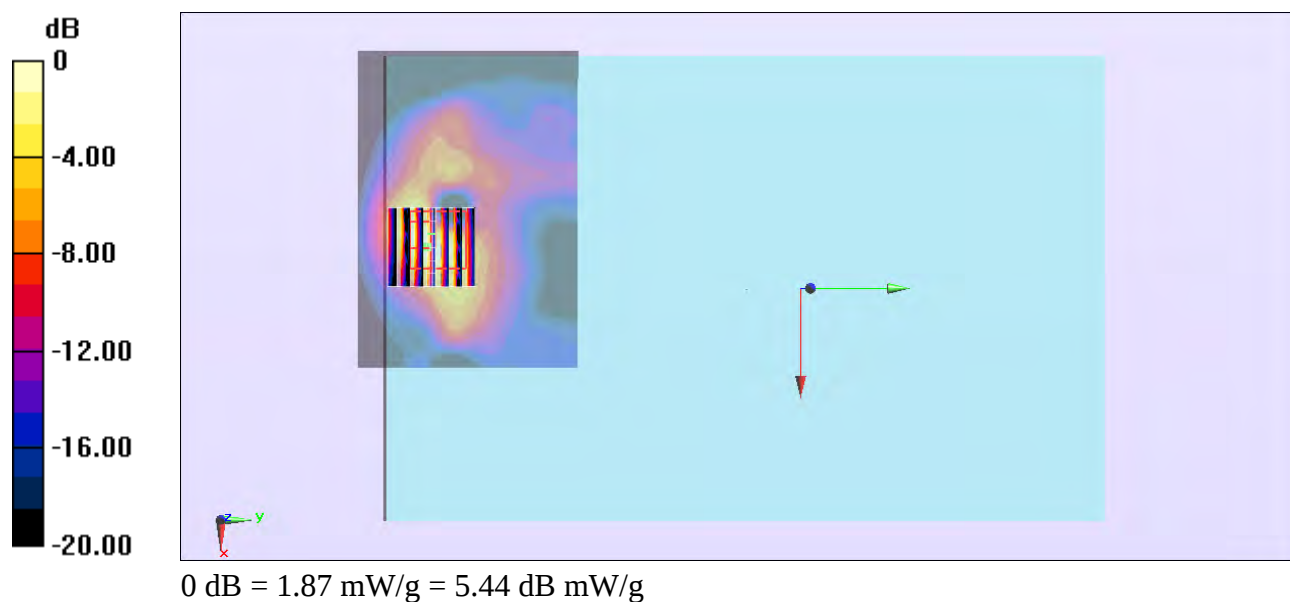
Configuration/Ch11/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 29.172 V/m; Power Drift = 0.19 dB

Peak SAR (extrapolated) = 2.772 mW/g

SAR(1 g) = 1.08 mW/g; SAR(10 g) = 0.442 mW/g

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



#02_WLAN2.4G_802.11b_Edge 4_0cm_Ch6;Ant A**DUT: 770629**

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

Medium: MSL_2450_130102 Medium parameters used: $f = 2437$ MHz; $\sigma = 2.001$ mho/m; $\epsilon_r = 53.956$; ρ $= 1000$ kg/m³

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3792; ConvF(7.1, 7.1, 7.1); Calibrated: 2012/6/21;
- Sensor-Surface: 2mm (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/Ch6/Area Scan (41x171x1): Measurement grid: dx=12mm, dy=12mm

Maximum value of SAR (interpolated) = 0.486 mW/g

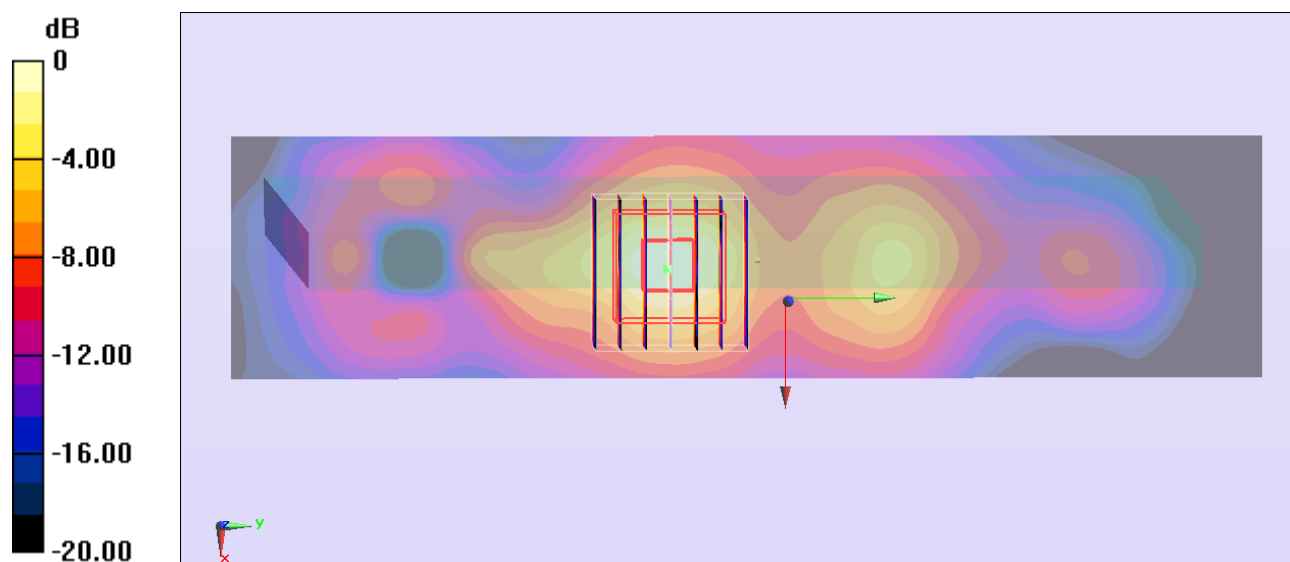
Configuration/Ch6/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 15.674 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 0.691 mW/g

SAR(1 g) = 0.349 mW/g; SAR(10 g) = 0.150 mW/g

Maximum value of SAR (measured) = 0.533 mW/g



#33_WLAN2.4G_802.11b_Bottom Face_1cm_Ch6;Ant A**DUT: 770629**

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

Medium: MSL_2450_130102 Medium parameters used: $f = 2437$ MHz; $\sigma = 2.001$ mho/m; $\epsilon_r = 53.956$; ρ $= 1000$ kg/m³

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3792; ConvF(7.1, 7.1, 7.1); Calibrated: 2012/6/21;
- Sensor-Surface: 2mm (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/Ch6/Area Scan (101x71x1): Measurement grid: dx=12mm, dy=12mm
Maximum value of SAR (interpolated) = 0.178 mW/g**Configuration/Ch6/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 9.122 V/m; Power Drift = -0.046 dB

Peak SAR (extrapolated) = 0.212 mW/g

SAR(1 g) = 0.112 mW/g; SAR(10 g) = 0.061 mW/g

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

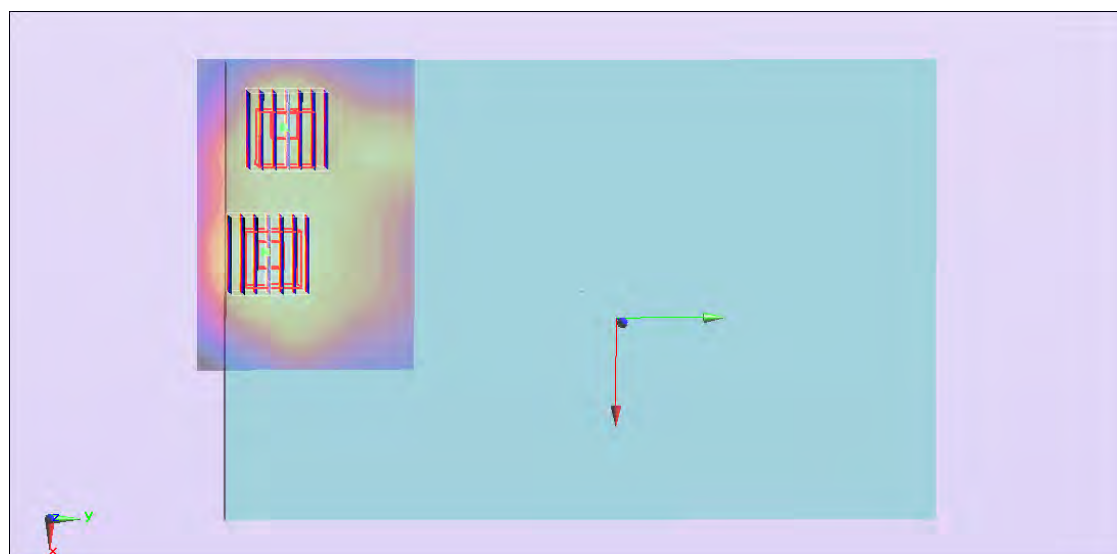
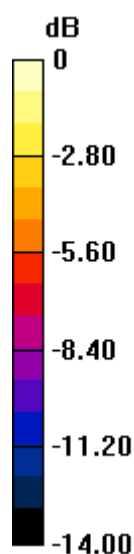
Configuration/Ch6/Zoom Scan (7x7x7)/Cube 1: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 9.122 V/m; Power Drift = -0.046 dB

Peak SAR (extrapolated) = 0.207 mW/g

SAR(1 g) = 0.100 mW/g; SAR(10 g) = 0.053 mW/g

Maximum value of SAR (measured) = 0.151 mW/g



0 dB = 0.151 mW/g = -16.42 dB mW/g

#35_WLAN2.4G_802.11b_Edge 3_0cm_Ch6;Ant A**DUT: 770629**

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

Medium: MSL_2450_130102 Medium parameters used: $f = 2437$ MHz; $\sigma = 2.001$ mho/m; $\epsilon_r = 53.956$; ρ $= 1000$ kg/m³

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3792; ConvF(7.1, 7.1, 7.1); Calibrated: 2012/6/21;
- Sensor-Surface: 2mm (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/Ch6/Area Scan (51x121x1): Measurement grid: dx=12mm, dy=12mm

Maximum value of SAR (interpolated) = 0.0711 mW/g

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

Reference Value = 5.763 V/m; Power Drift = -0.11 dB

Peak SAR (extrapolated) = 0.114 mW/g

SAR(1 g) = 0.049 mW/g; SAR(10 g) = 0.027 mW/g

Maximum value of SAR (measured) = 0.0655 mW/g

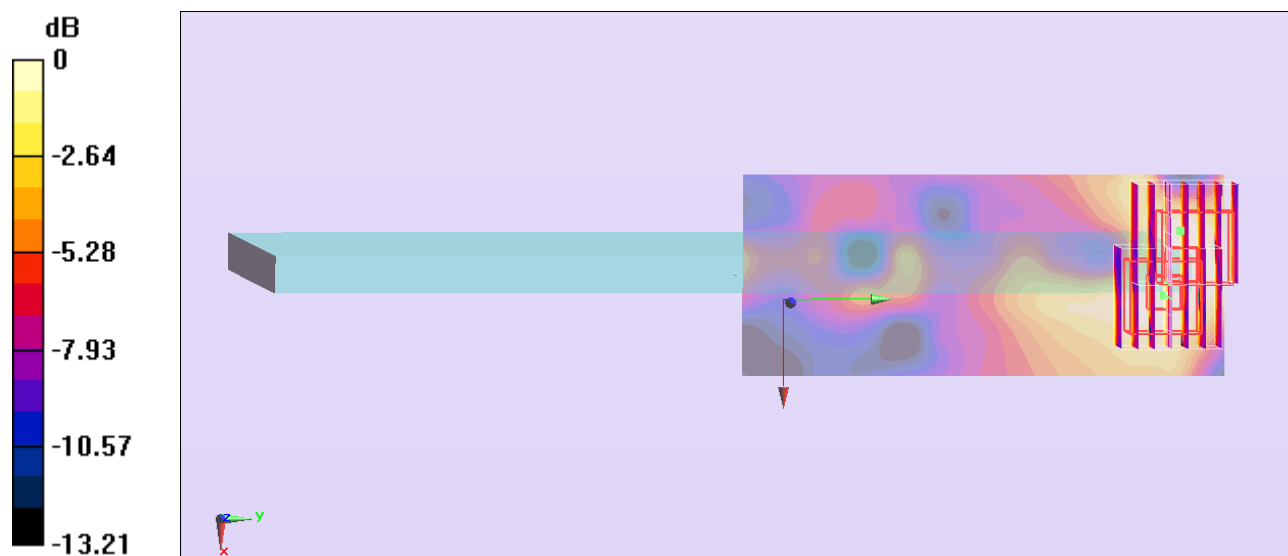
Configuration/Ch6/Zoom Scan (7x7x7)/Cube 1: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 5.763 V/m; Power Drift = -0.11 dB

Peak SAR (extrapolated) = 0.079 mW/g

SAR(1 g) = 0.047 mW/g; SAR(10 g) = 0.027 mW/g

Maximum value of SAR (measured) = 0.0646 mW/g



#34_WLAN2.4G_802.11b_Edge 3_0.8cm_Ch6;Ant A**DUT: 770629**

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

Medium: MSL_2450_130102 Medium parameters used: $f = 2437$ MHz; $\sigma = 2.001$ mho/m; $\epsilon_r = 53.956$; ρ $= 1000$ kg/m³

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3792; ConvF(7.1, 7.1, 7.1); Calibrated: 2012/6/21;
- Sensor-Surface: 2mm (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/Ch6/Area Scan (51x121x1): Measurement grid: dx=12mm, dy=12mm

Maximum value of SAR (interpolated) = 0.0441 mW/g

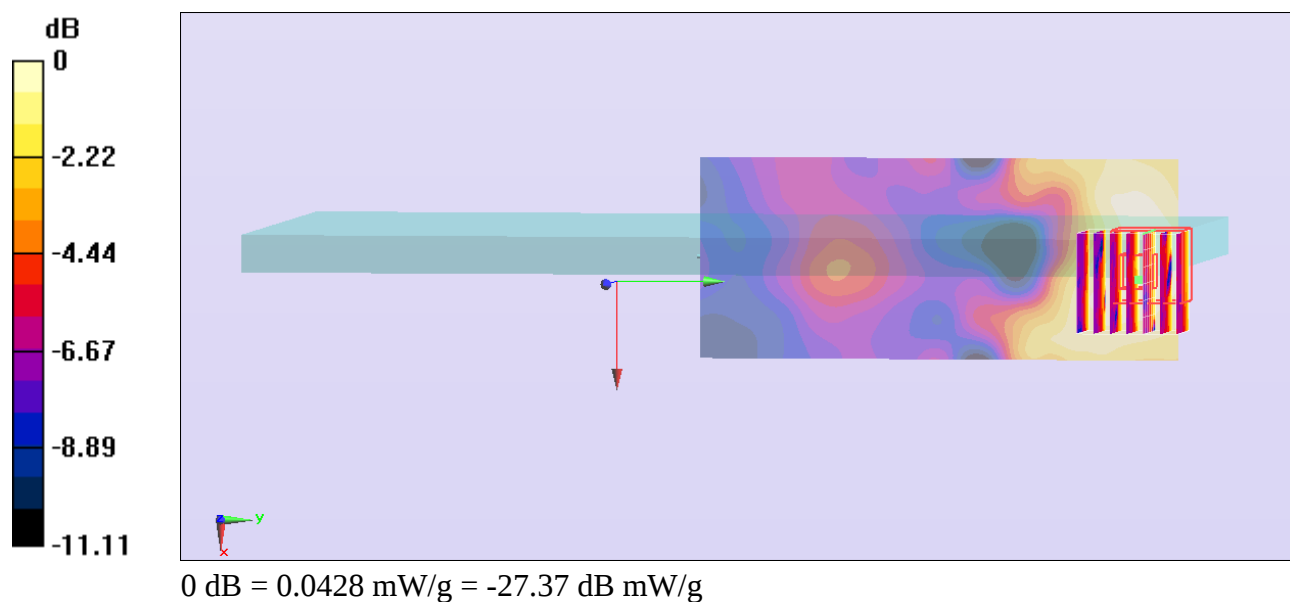
Configuration/Ch6/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 4.606 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 0.073 mW/g

SAR(1 g) = 0.033 mW/g; SAR(10 g) = 0.020 mW/g

Maximum value of SAR (measured) = 0.0428 mW/g



#04_WLAN2.4G_802.11b_Bottom Face_0cm_Ch6;Ant B**DUT: 770629**

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

Medium: MSL_2450_130102 Medium parameters used: $f = 2437$ MHz; $\sigma = 2.001$ mho/m; $\epsilon_r = 53.956$; ρ $= 1000$ kg/m³

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3792; ConvF(7.1, 7.1, 7.1); Calibrated: 2012/6/21;
- Sensor-Surface: 2mm (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)

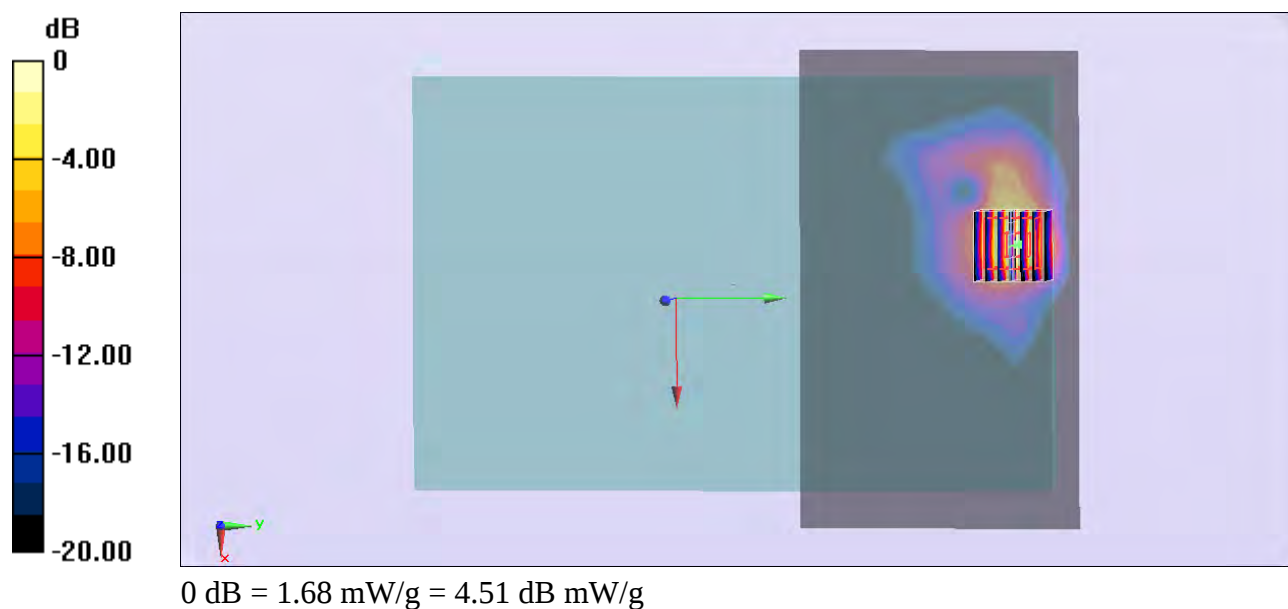
Configuration/Ch6/Area Scan (171x101x1): Measurement grid: dx=12mm, dy=12mm
Maximum value of SAR (interpolated) = 1.68 mW/g**Configuration/Ch6/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 29.272 V/m; Power Drift = -0.19 dB

Peak SAR (extrapolated) = 1.793 mW/g

SAR(1 g) = 0.940 mW/g; SAR(10 g) = 0.384 mW/g

Maximum value of SAR (measured) = 1.68 mW/g



#27_WLAN2.4G_802.11b_Bottom Face_0cm_Ch1;Ant B**DUT: 770629**

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

Medium: MSL_2450_130102 Medium parameters used: $f = 2412$ MHz; $\sigma = 1.963$ mho/m; $\epsilon_r = 54.025$; ρ $= 1000$ kg/m³

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3792; ConvF(7.1, 7.1, 7.1); Calibrated: 2012/6/21;
- Sensor-Surface: 2mm (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/Ch1/Area Scan (101x71x1): Measurement grid: dx=12mm, dy=12mm

Maximum value of SAR (interpolated) = 1.86 mW/g

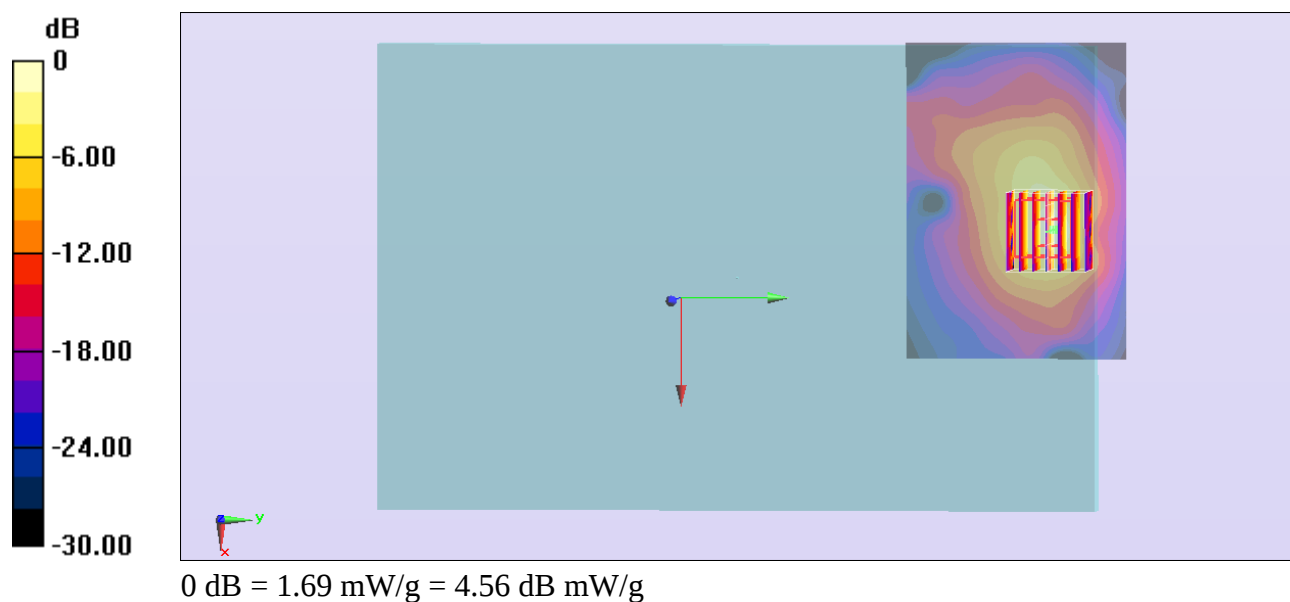
Configuration/Ch1/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 29.788 V/m; Power Drift = -0.18 dB

Peak SAR (extrapolated) = 2.562 mW/g

SAR(1 g) = 1.01 mW/g; SAR(10 g) = 0.430 mW/g

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



#29_WLAN2.4G_802.11b_Bottom Face_0cm_Ch1;Ant B_Repeat**DUT: 770629**

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

Medium: MSL_2450_130102 Medium parameters used: $f = 2412$ MHz; $\sigma = 1.963$ mho/m; $\epsilon_r = 54.025$; ρ $= 1000$ kg/m³

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3792; ConvF(7.1, 7.1, 7.1); Calibrated: 2012/6/21;
- Sensor-Surface: 2mm (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/Ch1/Area Scan (101x71x1): Measurement grid: dx=12mm, dy=12mm

Maximum value of SAR (interpolated) = 1.65 mW/g

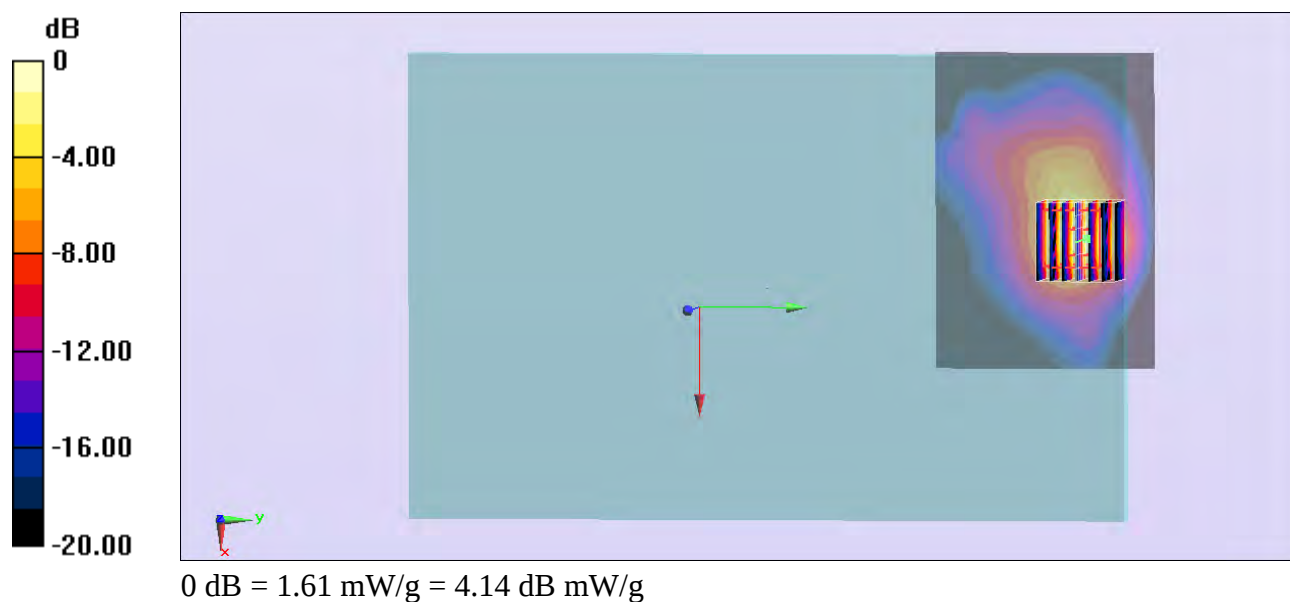
Configuration/Ch1/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 28.918 V/m; Power Drift = -0.09 dB

Peak SAR (extrapolated) = 2.473 mW/g

SAR(1 g) = 0.957 mW/g; SAR(10 g) = 0.402 mW/g

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



#28_WLAN2.4G_802.11b_Bottom Face_0cm_Ch11;Ant B**DUT: 770629**

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

Medium: MSL_2450_130102 Medium parameters used: $f = 2462$ MHz; $\sigma = 2.037$ mho/m; $\epsilon_r = 53.921$; ρ $= 1000$ kg/m³

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3792; ConvF(7.1, 7.1, 7.1); Calibrated: 2012/6/21;
- Sensor-Surface: 2mm (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)

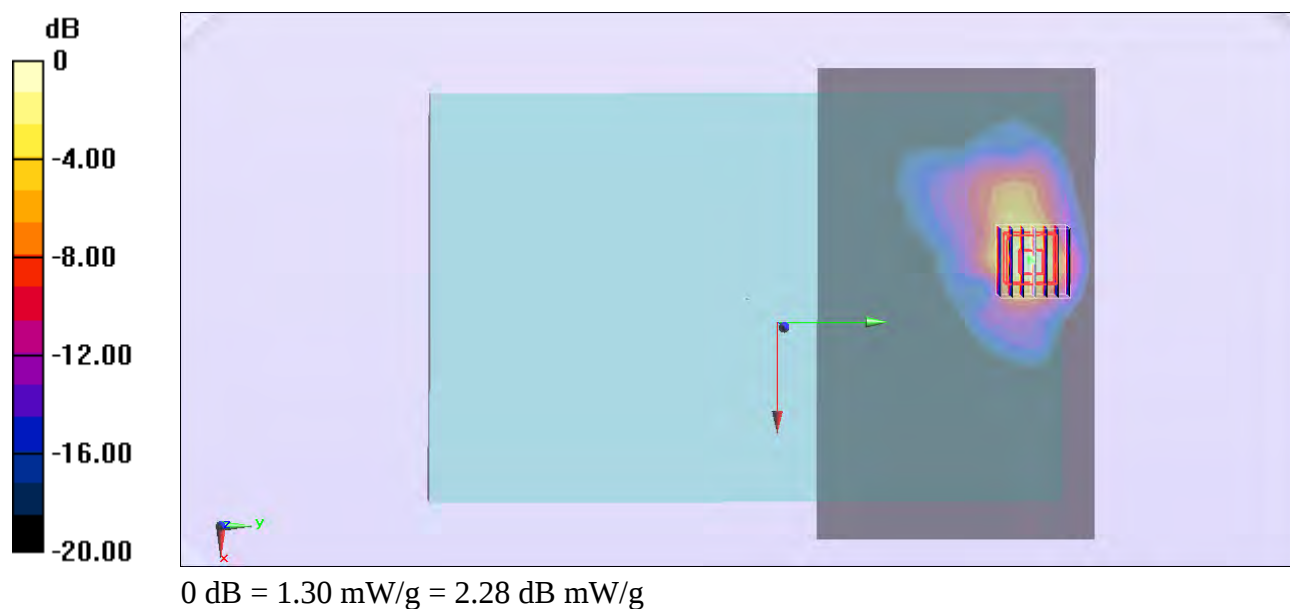
Configuration/Ch11/Area Scan (171x101x1): Measurement grid: dx=12mm, dy=12mm
Maximum value of SAR (interpolated) = 1.39 mW/g**Configuration/Ch11/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 25.528 V/m; Power Drift = -0.13 dB

Peak SAR (extrapolated) = 1.871 mW/g

SAR(1 g) = 0.758 mW/g; SAR(10 g) = 0.301 mW/g

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



#05_WLAN2.4G_802.11b_Edge 2_0cm_Ch6;Ant B**DUT: 770629**

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

Medium: MSL_2450_130102 Medium parameters used: $f = 2437$ MHz; $\sigma = 2.001$ mho/m; $\epsilon_r = 53.956$; ρ $= 1000$ kg/m³

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3792; ConvF(7.1, 7.1, 7.1); Calibrated: 2012/6/21;
- Sensor-Surface: 2mm (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/Ch6/Area Scan (41x171x1): Measurement grid: dx=12mm, dy=12mm

Maximum value of SAR (interpolated) = 0.585 mW/g

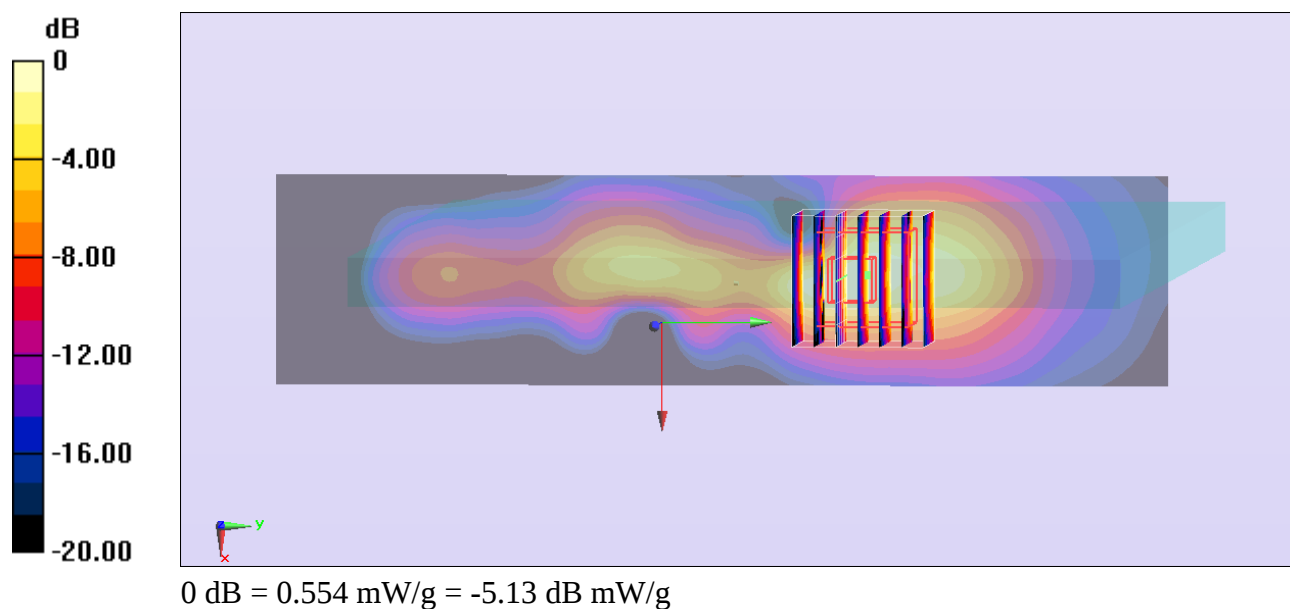
Configuration/Ch6/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 16.223 V/m; Power Drift = -0.14 dB

Peak SAR (extrapolated) = 1.016 mW/g

SAR(1 g) = 0.355 mW/g; SAR(10 g) = 0.157 mW/g

Maximum value of SAR (measured) = 0.554 mW/g



#36_WLAN2.4G_802.11b_Edge 3_0.8cm_Ch6;Ant B**DUT: 770629**

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

Medium: MSL_2450_130102 Medium parameters used: $f = 2437$ MHz; $\sigma = 2.001$ mho/m; $\epsilon_r = 53.956$; ρ $= 1000$ kg/m³

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3792; ConvF(7.1, 7.1, 7.1); Calibrated: 2012/6/21;
- Sensor-Surface: 2mm (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/Ch6/Area Scan (51x121x1): Measurement grid: dx=12mm, dy=12mm

Maximum value of SAR (interpolated) = 0.0305 mW/g

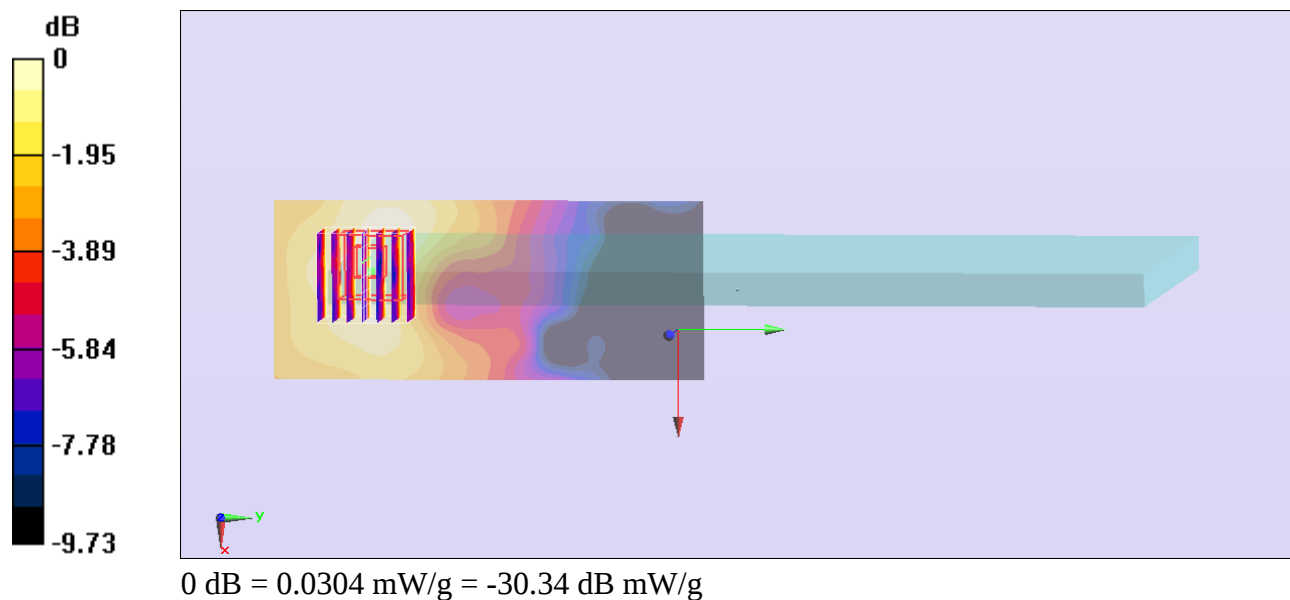
Configuration/Ch6/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 3.899 V/m; Power Drift = 0.14 dB

Peak SAR (extrapolated) = 0.064 mW/g

SAR(1 g) = 0.023 mW/g; SAR(10 g) = 0.015 mW/g

Maximum value of SAR (measured) = 0.0304 mW/g



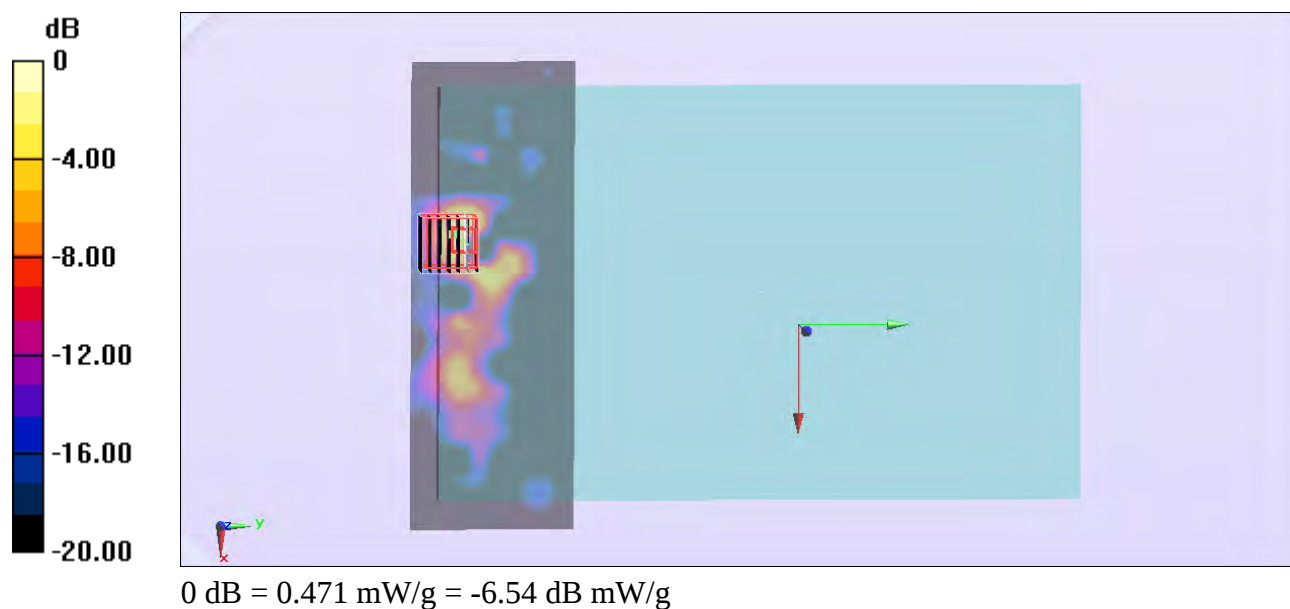
#06_WLAN5G_802.11a_Bottom Face_0cm_Ch48_Ant A**DUT: 770629**

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

Medium: MSL_5G_130103 Medium parameters used: $f = 5240$ MHz; $\sigma = 5.166$ mho/m; $\epsilon_r = 47.38$; $\rho =$ 1000 kg/m^3 Ambient Temperature : 22.4°C ; Liquid Temperature : 21.4°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/Ch48/Area Scan (201x71x1): Measurement grid: $dx=10\text{mm}$, $dy=10\text{mm}$ Maximum value of SAR (interpolated) = 0.368 mW/g **Configuration/Ch48/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: $dx=4\text{mm}$, $dy=4\text{mm}$, $dz=1.4\text{mm}$ Reference Value = 8.446 V/m ; Power Drift = 0.08 dB Peak SAR (extrapolated) = 0.706 mW/g **SAR(1 g) = 0.168 mW/g ; SAR(10 g) = 0.038 mW/g** Maximum value of SAR (measured) = 0.471 mW/g 

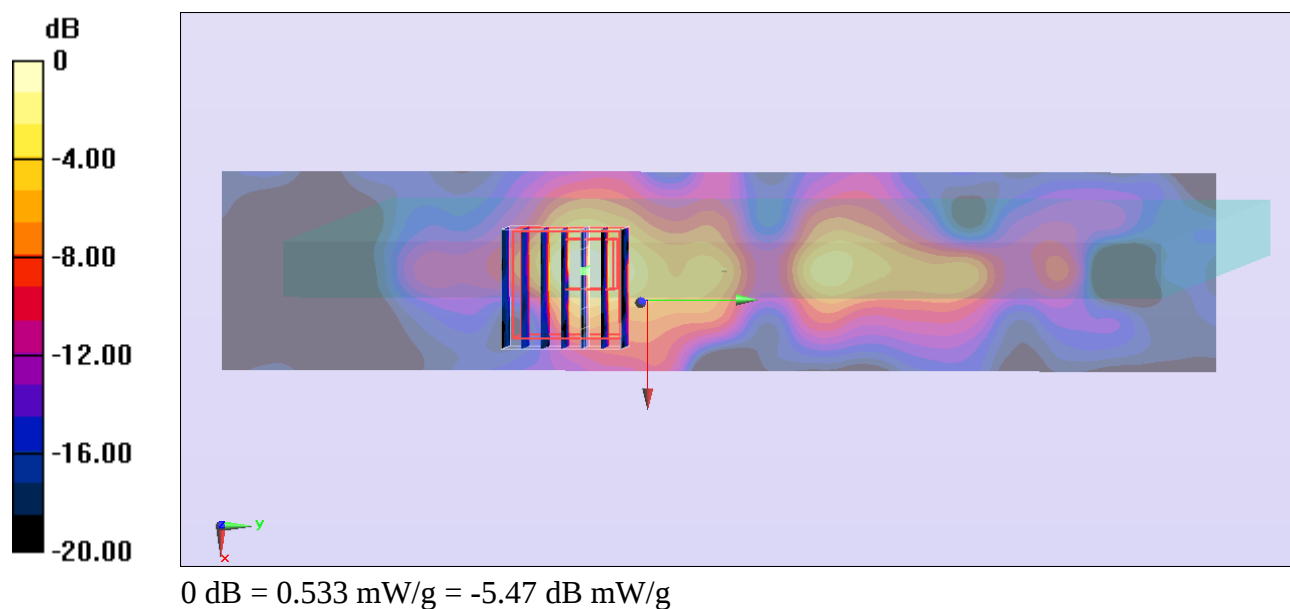
#07_WLAN5G_802.11a_Edge 4_0cm_Ch48_Ant A**DUT: 770629**

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

Medium: MSL_5G_130103 Medium parameters used: $f = 5240$ MHz; $\sigma = 5.166$ mho/m; $\epsilon_r = 47.38$; $\rho =$ 1000 kg/m^3 Ambient Temperature : 22.4°C ; Liquid Temperature : 21.4°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/Ch48/Area Scan (41x201x1): Measurement grid: $dx=10\text{mm}$, $dy=10\text{mm}$
Maximum value of SAR (interpolated) = 0.548 mW/g **Configuration/Ch48/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: $dx=4\text{mm}$, $dy=4\text{mm}$,
 $dz=1.4\text{mm}$ Reference Value = 11.531 V/m ; Power Drift = 0.00 dB Peak SAR (extrapolated) = 1.281 mW/g **SAR(1 g) = 0.202 mW/g ; SAR(10 g) = 0.058 mW/g** Maximum value of SAR (measured) = 0.533 mW/g 

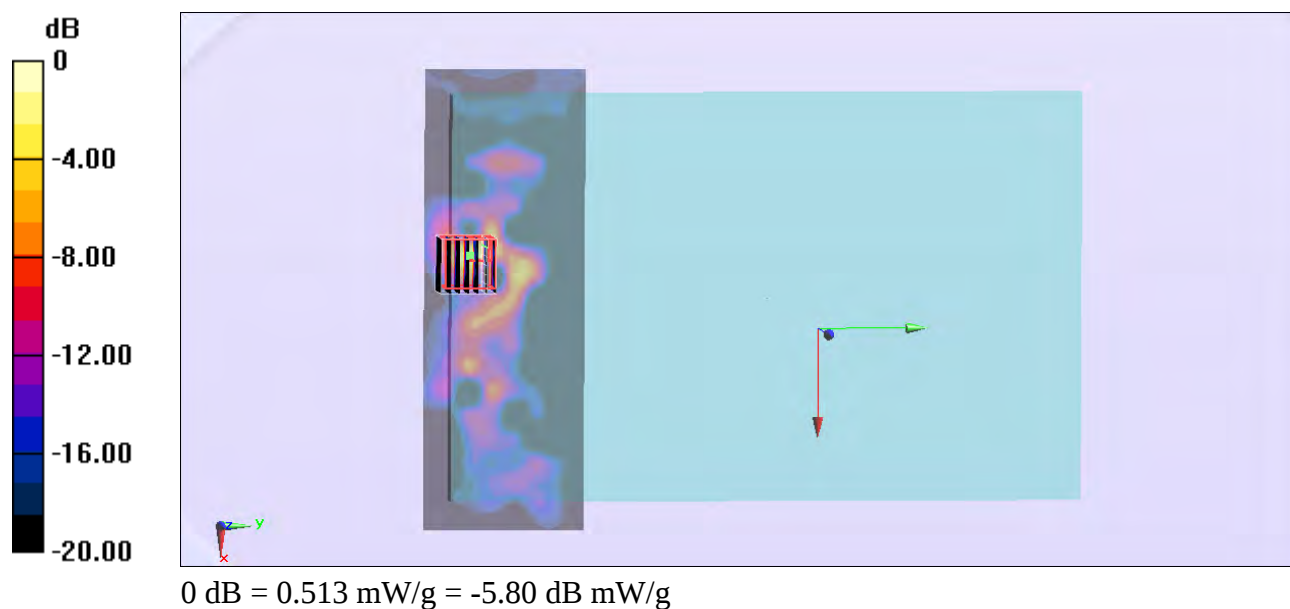
#08_WLAN5G_802.11a_Bottom Face_0cm_Ch52_Ant A**DUT: 770629**

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

Medium: MSL_5G_130103 Medium parameters used: $f = 5260$ MHz; $\sigma = 5.192$ mho/m; $\epsilon_r = 47.332$; $\rho =$ 1000 kg/m^3 Ambient Temperature : 22.4°C ; Liquid Temperature : 21.4°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/Ch52/Area Scan (201x71x1): Measurement grid: $dx=10\text{mm}$, $dy=10\text{mm}$ Maximum value of SAR (interpolated) = 0.393 mW/g **Configuration/Ch52/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: $dx=4\text{mm}$, $dy=4\text{mm}$, $dz=1.4\text{mm}$ Reference Value = 9.413 V/m ; Power Drift = 0.043 dB Peak SAR (extrapolated) = 1.450 mW/g **SAR(1 g) = 0.193 mW/g ; SAR(10 g) = 0.042 mW/g** Maximum value of SAR (measured) = 0.513 mW/g 

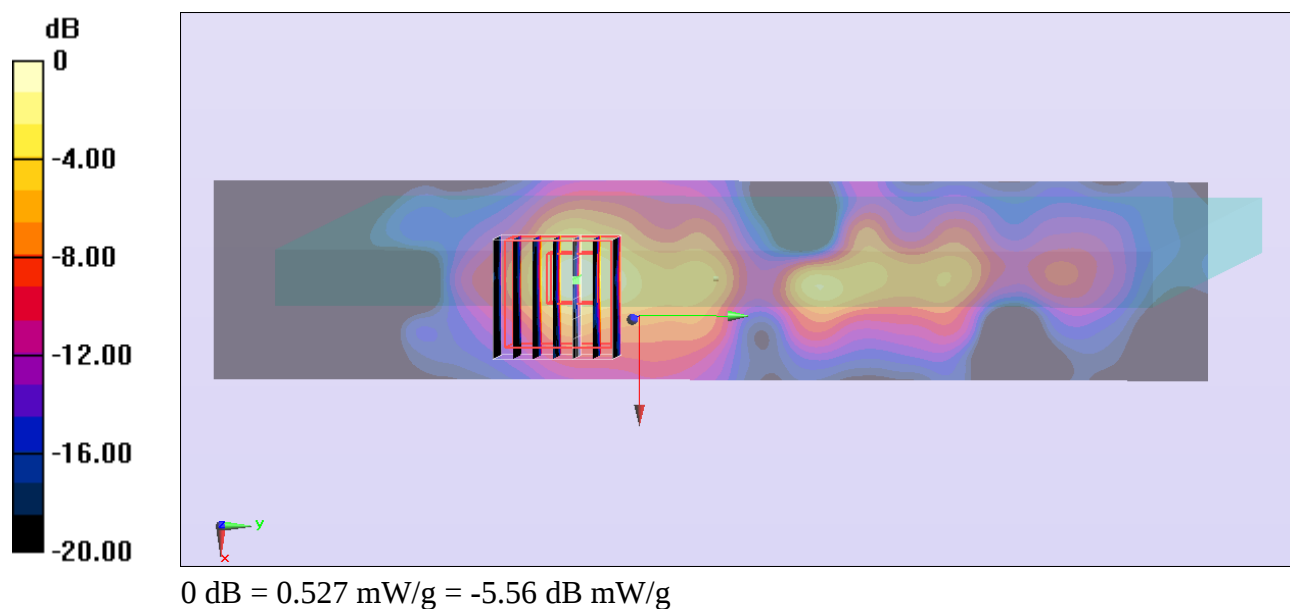
#09_WLAN5G_802.11a_Edge 4_0cm_Ch52_Ant A**DUT: 770629**

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

Medium: MSL_5G_130103 Medium parameters used: $f = 5260$ MHz; $\sigma = 5.192$ mho/m; $\epsilon_r = 47.332$; $\rho =$ 1000 kg/m^3 Ambient Temperature : 22.4°C ; Liquid Temperature : 21.4°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/Ch52/Area Scan (41x201x1): Measurement grid: $dx=10\text{mm}$, $dy=10\text{mm}$
Maximum value of SAR (interpolated) = 0.531 mW/g **Configuration/Ch52/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: $dx=4\text{mm}$, $dy=4\text{mm}$,
 $dz=1.4\text{mm}$ Reference Value = 11.560 V/m ; Power Drift = -0.03 dB Peak SAR (extrapolated) = 0.780 mW/g **SAR(1 g) = 0.203 mW/g ; SAR(10 g) = 0.055 mW/g** Maximum value of SAR (measured) = 0.527 mW/g 

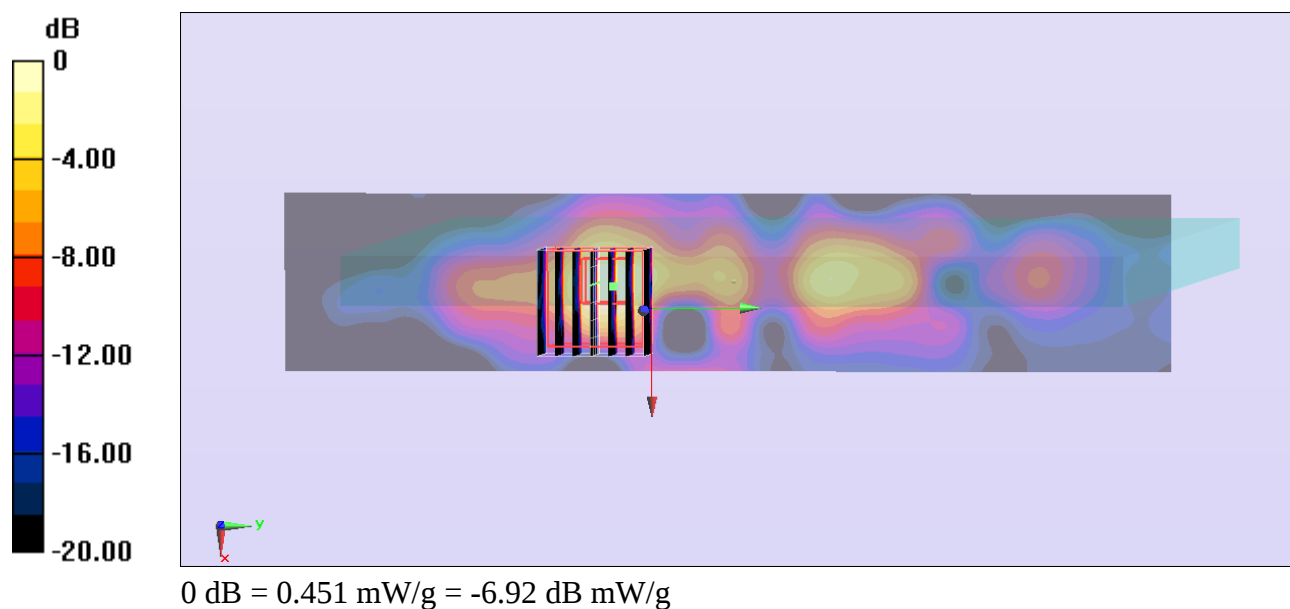
#15_WLAN5G_802.11n-HT20_Edge 4_0cm_Ch52_Ant A**DUT: 770629**

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

Medium: MSL_5G_130103 Medium parameters used: $f = 5260$ MHz; $\sigma = 5.192$ mho/m; $\epsilon_r = 47.332$; $\rho =$ 1000 kg/m^3 Ambient Temperature : 22.4°C ; Liquid Temperature : 21.4°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/Ch52/Area Scan (41x201x1): Measurement grid: $dx=10\text{mm}$, $dy=10\text{mm}$ Maximum value of SAR (interpolated) = 0.511 mW/g **Configuration/Ch52/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: $dx=4\text{mm}$, $dy=4\text{mm}$, $dz=1.4\text{mm}$ Reference Value = 10.556 V/m ; Power Drift = 0.11 dB Peak SAR (extrapolated) = 1.036 mW/g **SAR(1 g) = 0.175 mW/g ; SAR(10 g) = 0.047 mW/g** Maximum value of SAR (measured) = 0.451 mW/g 

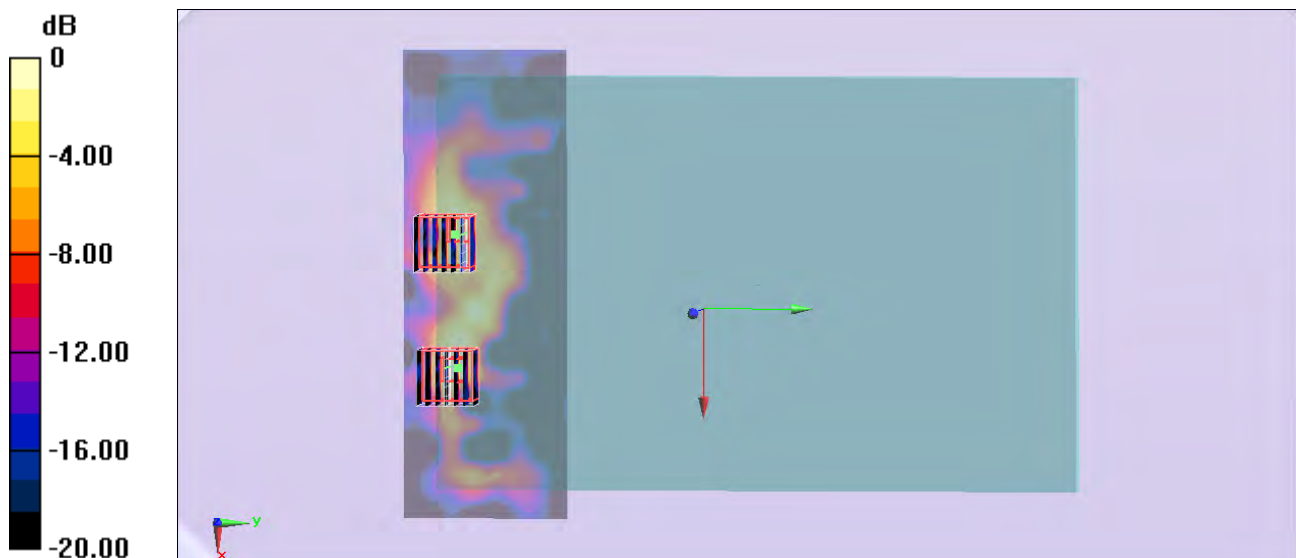
#10_WLAN5G_802.11a_Bottom Face_0cm_Ch112_Ant A**DUT: 770629**

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

Medium: MSL_5G_130103 Medium parameters used: $f = 5560$ MHz; $\sigma = 5.604$ mho/m; $\epsilon_r = 46.929$; $\rho =$ 1000 kg/m^3 Ambient Temperature : 22.4°C ; Liquid Temperature : 21.4°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/Ch112/Area Scan (201x71x1): Measurement grid: $dx=10\text{mm}$, $dy=10\text{mm}$
Maximum value of SAR (interpolated) = 0.319 mW/g **Configuration/Ch112/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: $dx=4\text{mm}$, $dy=4\text{mm}$,
 $dz=1.4\text{mm}$ Reference Value = 8.791 V/m ; Power Drift = -0.15 dB Peak SAR (extrapolated) = 0.631 mW/g **SAR(1 g) = 0.110 mW/g ; SAR(10 g) = 0.034 mW/g** Maximum value of SAR (measured) = 0.302 mW/g **Configuration/Ch112/Zoom Scan (7x7x7)/Cube 1:** Measurement grid: $dx=4\text{mm}$, $dy=4\text{mm}$,
 $dz=1.4\text{mm}$ Reference Value = 8.791 V/m ; Power Drift = -0.15 dB Peak SAR (extrapolated) = 1.156 mW/g **SAR(1 g) = 0.093 mW/g ; SAR(10 g) = 0.026 mW/g** Maximum value of SAR (measured) = 0.293 mW/g  $0 \text{ dB} = 0.293 \text{ mW/g} = -10.66 \text{ dB mW/g}$

#11_WLAN5G_802.11a_Edge 4_0cm_Ch112_Ant A**DUT: 770629**

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

Medium: MSL_5G_130103 Medium parameters used: $f = 5560$ MHz; $\sigma = 5.604$ mho/m; $\epsilon_r = 46.929$; $\rho = 1000$ kg/m³

Ambient Temperature : 22.4 °C ; Liquid Temperature : 21.4 °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/Ch112/Area Scan (41x201x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.528 mW/g**Configuration/Ch112/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 10.988 V/m; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 1.143 mW/g

SAR(1 g) = 0.206 mW/g; SAR(10 g) = 0.061 mW/g

Maximum value of SAR (measured) = 0.525 mW/g

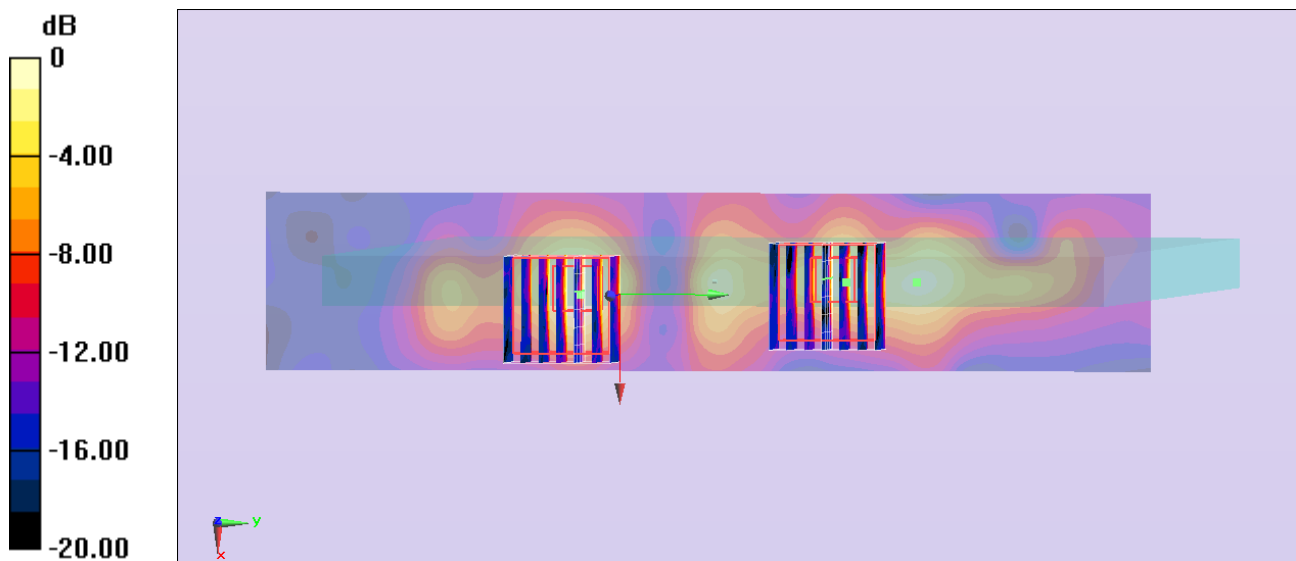
Configuration/Ch112/Zoom Scan (7x7x7)/Cube 1: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 10.988 V/m; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 0.669 mW/g

SAR(1 g) = 0.165 mW/g; SAR(10 g) = 0.050 mW/g

Maximum value of SAR (measured) = 0.410 mW/g



0 dB = 0.410 mW/g = -7.74 dB mW/g

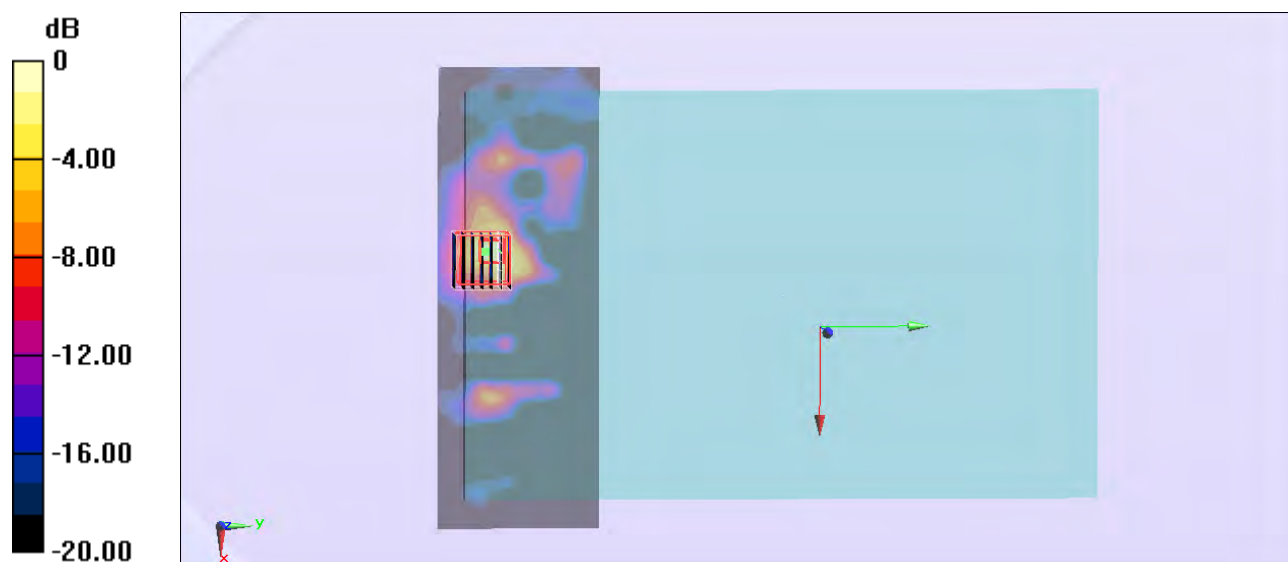
#12_WLAN5G_802.11a_Bottom Face_0cm_Ch165_Ant A**DUT: 770629**

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

Medium: MSL_5G_130103 Medium parameters used: $f = 5825$ MHz; $\sigma = 6.054$ mho/m; $\epsilon_r = 46.462$; $\rho =$ 1000 kg/m^3 Ambient Temperature : 22.4°C ; Liquid Temperature : 21.4°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/Ch165/Area Scan (201x71x1): Measurement grid: $dx=10\text{mm}$, $dy=10\text{mm}$ Maximum value of SAR (interpolated) = 0.461 mW/g **Configuration/Ch165/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: $dx=4\text{mm}$, $dy=4\text{mm}$, $dz=1.4\text{mm}$ Reference Value = 10.153 V/m ; Power Drift = 0.19 dB Peak SAR (extrapolated) = 0.888 mW/g **SAR(1 g) = 0.166 mW/g ; SAR(10 g) = 0.039 mW/g** Maximum value of SAR (measured) = 0.551 mW/g  $0 \text{ dB} = 0.551 \text{ mW/g} = -5.18 \text{ dB mW/g}$

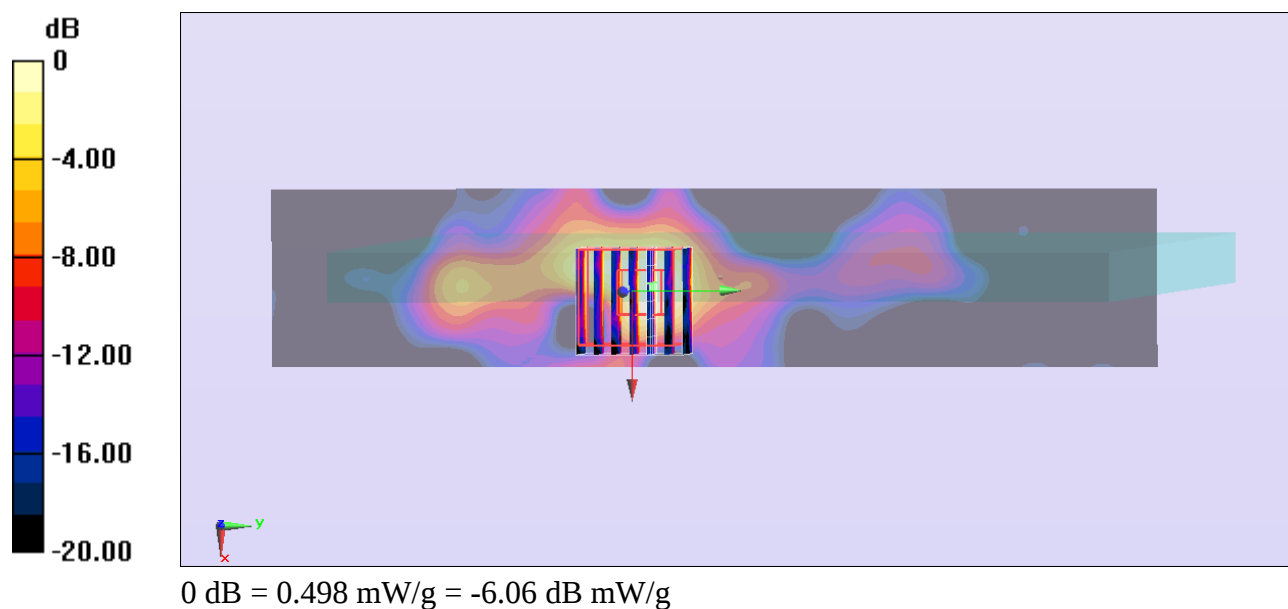
#13_WLAN5G_802.11a_Edge 4_0cm_Ch165_Ant A**DUT: 770629**

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

Medium: MSL_5G_130103 Medium parameters used: $f = 5825$ MHz; $\sigma = 6.054$ mho/m; $\epsilon_r = 46.462$; $\rho =$ 1000 kg/m^3 Ambient Temperature : 22.4°C ; Liquid Temperature : 21.4°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/Ch165/Area Scan (41x201x1): Measurement grid: $dx=10\text{mm}$, $dy=10\text{mm}$
Maximum value of SAR (interpolated) = 0.640 mW/g **Configuration/Ch165/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: $dx=4\text{mm}$, $dy=4\text{mm}$,
 $dz=1.4\text{mm}$ Reference Value = 10.473 V/m ; Power Drift = 0.09 dB Peak SAR (extrapolated) = 1.256 mW/g **SAR(1 g) = 0.174 mW/g ; SAR(10 g) = 0.065 mW/g** Maximum value of SAR (measured) = 0.498 mW/g 

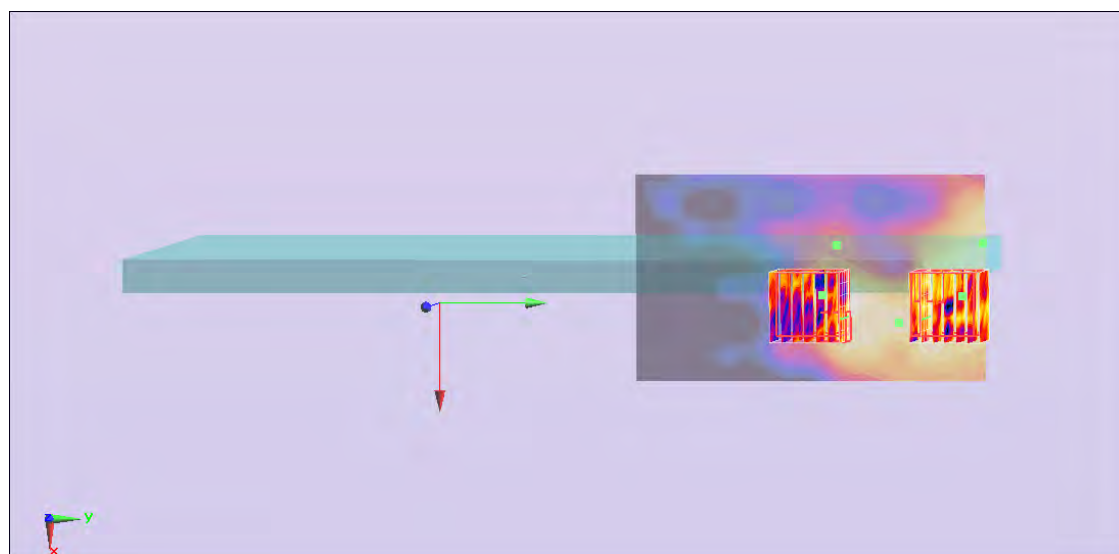
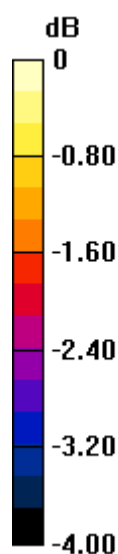
#37_WLAN5G_802.11a_Edge 3_0.8cm_Ch165_Ant A**DUT: 770629**

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

Medium: MSL_5G_130103 Medium parameters used: $f = 5825$ MHz; $\sigma = 6.054$ mho/m; $\epsilon_r = 46.462$; $\rho =$ 1000 kg/m^3 Ambient Temperature : 22.4°C ; Liquid Temperature : 21.4°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/Ch165/Area Scan (71x121x1): Measurement grid: $dx=10\text{mm}$, $dy=10\text{mm}$
Maximum value of SAR (interpolated) = 0.0665 mW/g **Configuration/Ch165/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: $dx=4\text{mm}$, $dy=4\text{mm}$,
 $dz=1.4\text{mm}$ Reference Value = 3.534 V/m ; Power Drift = 0.13 dB Peak SAR (extrapolated) = 0.115 mW/g **SAR(1 g) = 0.053 mW/g ; SAR(10 g) = 0.047 mW/g** Maximum value of SAR (measured) = 0.0664 mW/g **Configuration/Ch165/Zoom Scan (7x7x7)/Cube 1:** Measurement grid: $dx=4\text{mm}$, $dy=4\text{mm}$,
 $dz=1.4\text{mm}$ Reference Value = 3.534 V/m ; Power Drift = 0.13 dB Peak SAR (extrapolated) = 0.089 mW/g **SAR(1 g) = 0.050 mW/g ; SAR(10 g) = 0.042 mW/g** Maximum value of SAR (measured) = 0.0652 mW/g  $0 \text{ dB} = 0.0652 \text{ mW/g} = -23.72 \text{ dB mW/g}$

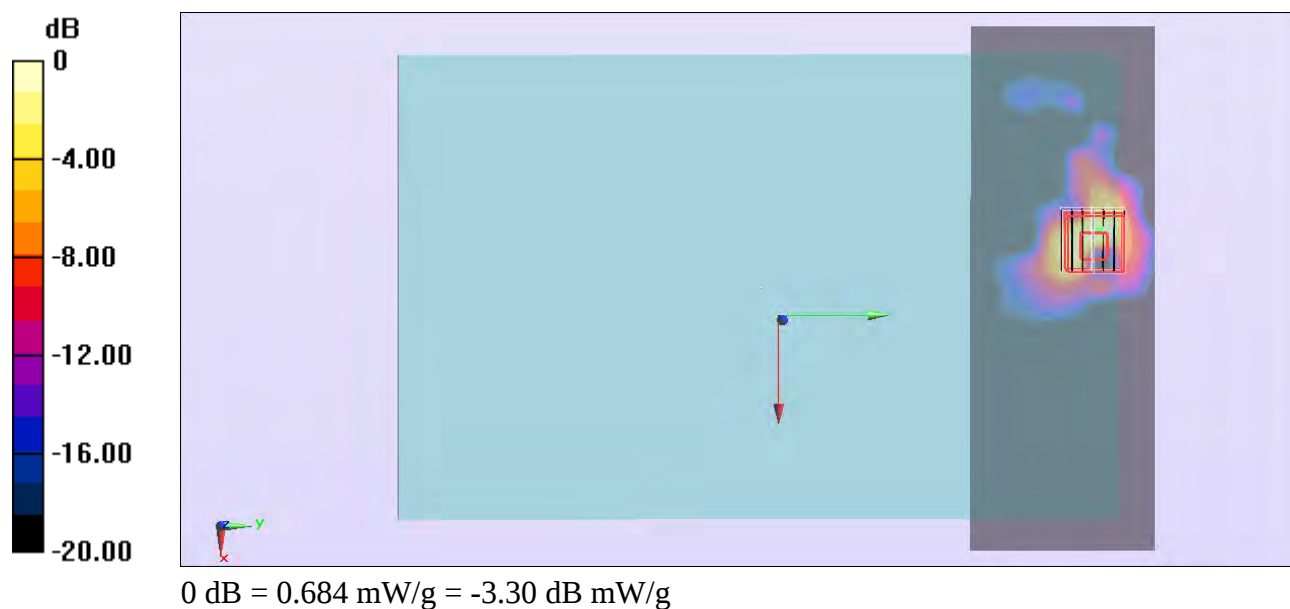
#16_WLAN5G_802.11a_Bottom Face_0cm_Ch48_Ant B**DUT: 770629**

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

Medium: MSL_5G_130103 Medium parameters used: $f = 5240$ MHz; $\sigma = 5.166$ mho/m; $\epsilon_r = 47.38$; $\rho =$ 1000 kg/m^3 Ambient Temperature : 22.4°C ; Liquid Temperature : 21.4°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/Ch48/Area Scan (201x71x1): Measurement grid: $dx=10\text{mm}$, $dy=10\text{mm}$ Maximum value of SAR (interpolated) = 0.587 mW/g **Configuration/Ch48/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: $dx=4\text{mm}$, $dy=4\text{mm}$, $dz=1.4\text{mm}$ Reference Value = 11.165 V/m ; Power Drift = -0.04 dB Peak SAR (extrapolated) = 1.620 mW/g **SAR(1 g) = 0.272 mW/g ; SAR(10 g) = 0.080 mW/g** Maximum value of SAR (measured) = 0.684 mW/g 

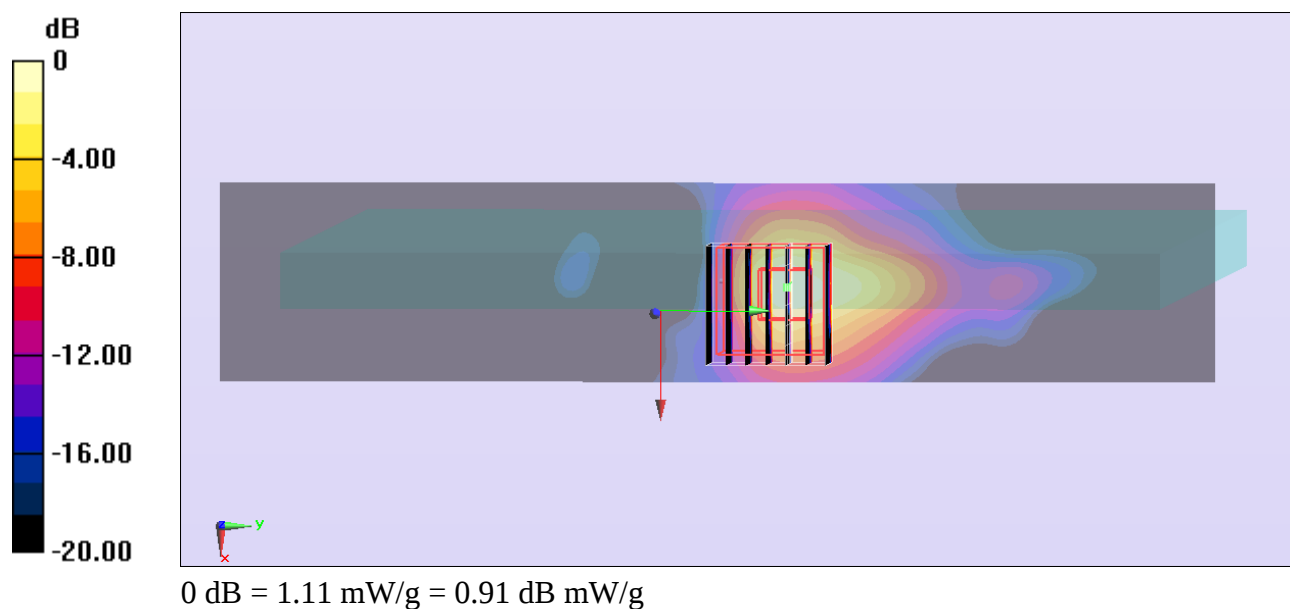
#17_WLAN5G_802.11a_Edge 2_0cm_Ch48_Ant B**DUT: 770629**

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

Medium: MSL_5G_130103 Medium parameters used: $f = 5240$ MHz; $\sigma = 5.166$ mho/m; $\epsilon_r = 47.38$; $\rho =$ 1000 kg/m^3 Ambient Temperature : 22.4°C ; Liquid Temperature : 21.4°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/Ch48/Area Scan (41x201x1): Measurement grid: $dx=10\text{mm}$, $dy=10\text{mm}$ Maximum value of SAR (interpolated) = 1.17 mW/g **Configuration/Ch48/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: $dx=4\text{mm}$, $dy=4\text{mm}$, $dz=1.4\text{mm}$ Reference Value = 16.880 V/m ; Power Drift = -0.11 dB Peak SAR (extrapolated) = 3.272 mW/g **SAR(1 g) = 0.400 mW/g ; SAR(10 g) = 0.108 mW/g** Maximum value of SAR (measured) = 1.11 mW/g 

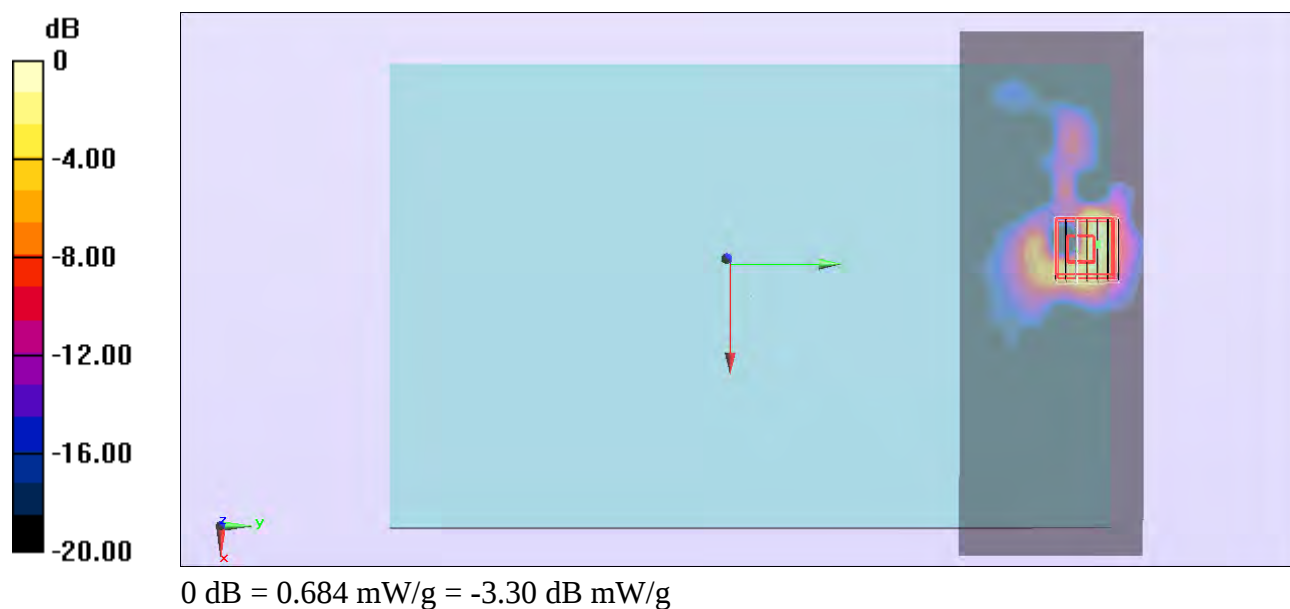
#18_WLAN5G_802.11a_Bottom Face_0cm_Ch52_Ant B**DUT: 770629**

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

Medium: MSL_5G_130103 Medium parameters used: $f = 5260$ MHz; $\sigma = 5.192$ mho/m; $\epsilon_r = 47.332$; $\rho =$ 1000 kg/m^3 Ambient Temperature : 22.4°C ; Liquid Temperature : 21.4°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/Ch52/Area Scan (201x71x1): Measurement grid: $dx=10\text{mm}$, $dy=10\text{mm}$ Maximum value of SAR (interpolated) = 0.561 mW/g **Configuration/Ch52/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: $dx=4\text{mm}$, $dy=4\text{mm}$, $dz=1.4\text{mm}$ Reference Value = 10.565 V/m ; Power Drift = -0.10 dB Peak SAR (extrapolated) = 1.086 mW/g **SAR(1 g) = 0.272 mW/g ; SAR(10 g) = 0.074 mW/g** Maximum value of SAR (measured) = 0.684 mW/g 

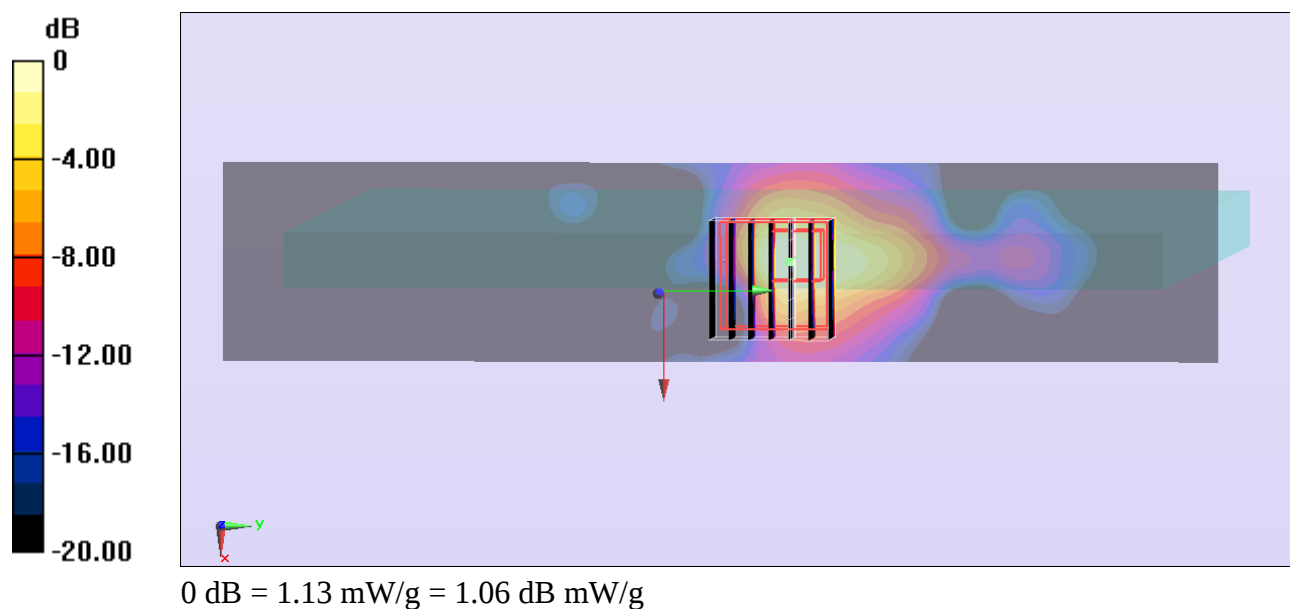
#19_WLAN5G_802.11a_Edge 2_0cm_Ch52_Ant B**DUT: 770629**

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

Medium: MSL_5G_130103 Medium parameters used: $f = 5260$ MHz; $\sigma = 5.192$ mho/m; $\epsilon_r = 47.332$; $\rho =$ 1000 kg/m^3 Ambient Temperature : 22.4°C ; Liquid Temperature : 21.4°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/Ch52/Area Scan (41x201x1): Measurement grid: $dx=10\text{mm}$, $dy=10\text{mm}$ Maximum value of SAR (interpolated) = 1.35 mW/g **Configuration/Ch52/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: $dx=4\text{mm}$, $dy=4\text{mm}$, $dz=1.4\text{mm}$ Reference Value = 16.728 V/m ; Power Drift = 0.14 dB Peak SAR (extrapolated) = 2.879 mW/g **SAR(1 g) = 0.445 mW/g ; SAR(10 g) = 0.115 mW/g** Maximum value of SAR (measured) = 1.13 mW/g 

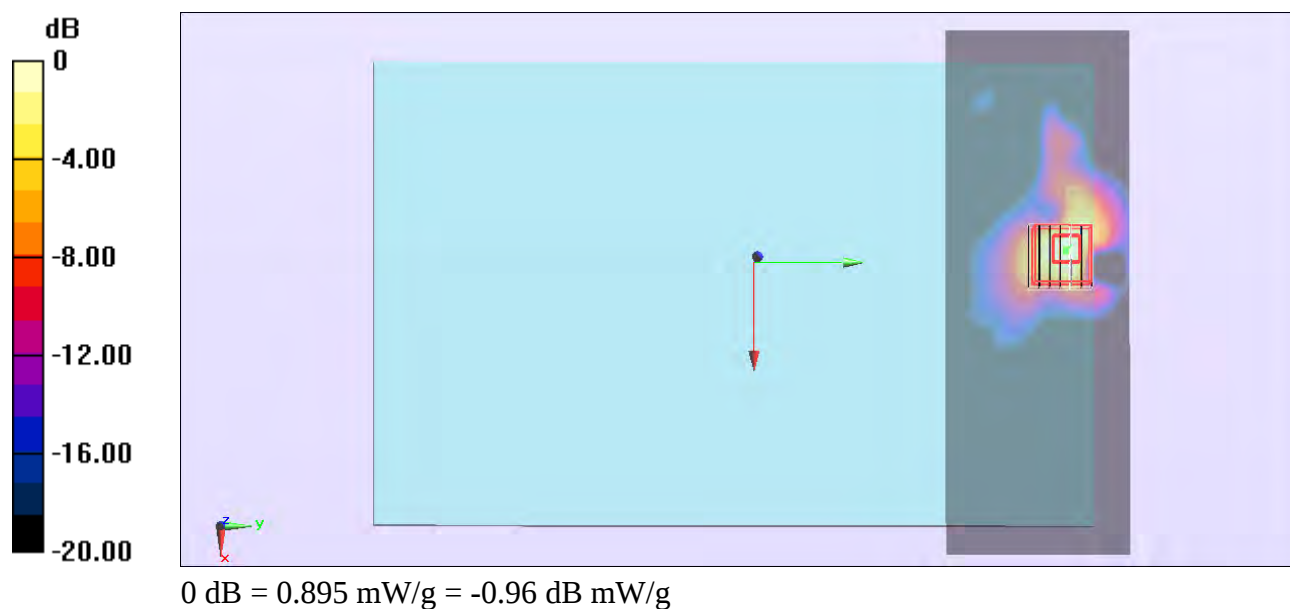
#20_WLAN5G_802.11a_Bottom Face_0cm_Ch104_Ant B**DUT: 770629**

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

Medium: MSL_5G_130103 Medium parameters used: $f = 5520$ MHz; $\sigma = 5.546$ mho/m; $\epsilon_r = 46.999$; $\rho =$ 1000 kg/m^3 Ambient Temperature : 22.4°C ; Liquid Temperature : 21.4°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/Ch104/Area Scan (201x71x1): Measurement grid: $dx=10\text{mm}$, $dy=10\text{mm}$ Maximum value of SAR (interpolated) = 1.02 mW/g **Configuration/Ch104/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: $dx=4\text{mm}$, $dy=4\text{mm}$, $dz=1.4\text{mm}$ Reference Value = 14.526 V/m ; Power Drift = 0.01 dB Peak SAR (extrapolated) = 1.881 mW/g **SAR(1 g) = 0.346 mW/g ; SAR(10 g) = 0.095 mW/g** Maximum value of SAR (measured) = 0.895 mW/g 

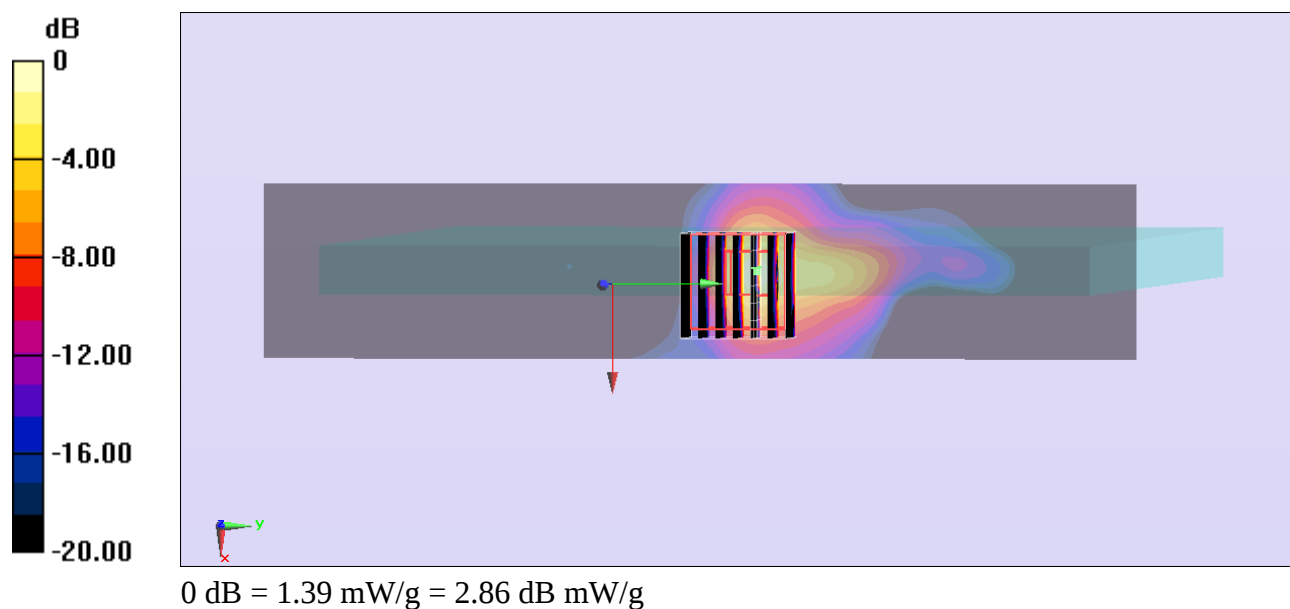
#21_WLAN5G_802.11a_Edge 2_0cm_Ch104_Ant B**DUT: 770629**

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

Medium: MSL_5G_130103 Medium parameters used: $f = 5520$ MHz; $\sigma = 5.546$ mho/m; $\epsilon_r = 46.999$; $\rho =$ 1000 kg/m^3 Ambient Temperature : 22.4°C ; Liquid Temperature : 21.4°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/Ch104/Area Scan (41x201x1): Measurement grid: $dx=10\text{mm}$, $dy=10\text{mm}$
Maximum value of SAR (interpolated) = 1.30 mW/g **Configuration/Ch104/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: $dx=4\text{mm}$, $dy=4\text{mm}$,
 $dz=1.4\text{mm}$ Reference Value = 18.193 V/m ; Power Drift = -0.18 dB Peak SAR (extrapolated) = 3.276 mW/g **SAR(1 g) = 0.503 mW/g ; SAR(10 g) = 0.130 mW/g** Maximum value of SAR (measured) = 1.39 mW/g 

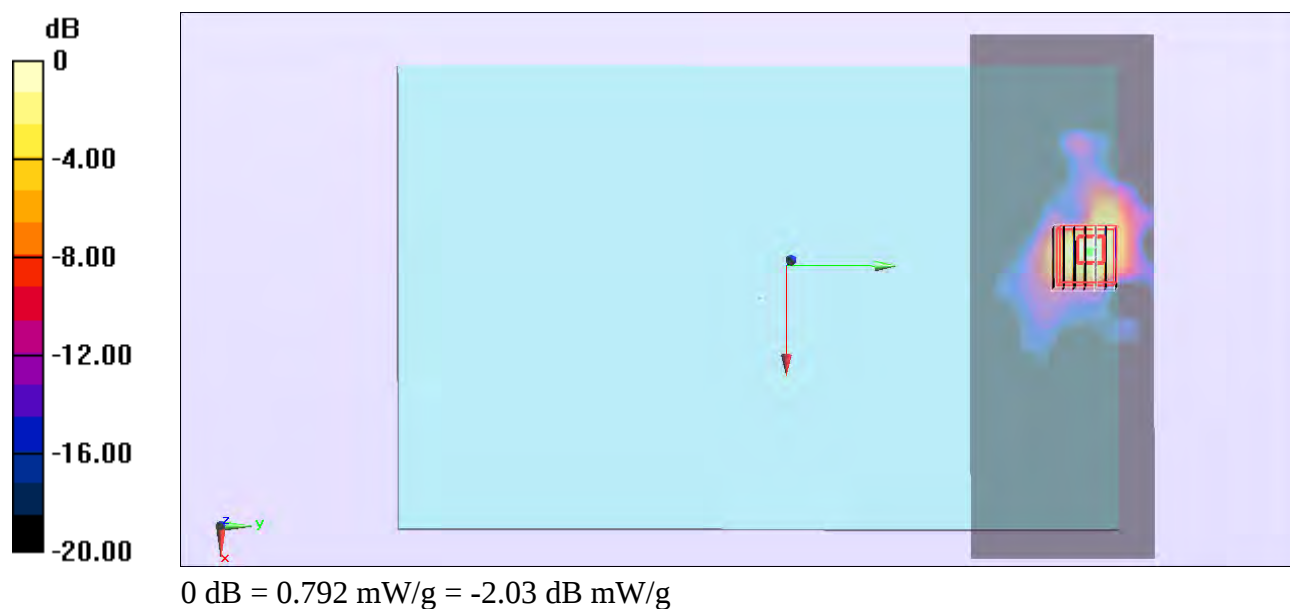
#22_WLAN5G_802.11a_Bottom Face_0cm_Ch165_Ant B**DUT: 770629**

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

Medium: MSL_5G_130103 Medium parameters used: $f = 5825$ MHz; $\sigma = 6.054$ mho/m; $\epsilon_r = 46.462$; $\rho =$ 1000 kg/m^3 Ambient Temperature : 22.4°C ; Liquid Temperature : 21.4°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/Ch165/Area Scan (201x71x1): Measurement grid: $dx=10\text{mm}$, $dy=10\text{mm}$ Maximum value of SAR (interpolated) = 0.684 mW/g **Configuration/Ch165/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: $dx=4\text{mm}$, $dy=4\text{mm}$, $dz=1.4\text{mm}$ Reference Value = 13.404 V/m ; Power Drift = 0.00 dB Peak SAR (extrapolated) = 1.266 mW/g **SAR(1 g) = 0.292 mW/g ; SAR(10 g) = 0.072 mW/g** Maximum value of SAR (measured) = 0.792 mW/g 

#23_WLAN5G_802.11a_Edge 2_0cm_Ch165_Ant B**DUT: 770629**

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

Medium: MSL_5G_130103 Medium parameters used: $f = 5825$ MHz; $\sigma = 6.054$ mho/m; $\epsilon_r = 46.462$; $\rho = 1000$ kg/m³

Ambient Temperature : 22.4 °C ; Liquid Temperature : 21.4 °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/Ch165/Area Scan (41x201x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.576 mW/g**Configuration/Ch165/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 11.287 V/m; Power Drift = -0.13 dB

Peak SAR (extrapolated) = 0.958 mW/g

SAR(1 g) = 0.198 mW/g; SAR(10 g) = 0.050 mW/g

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

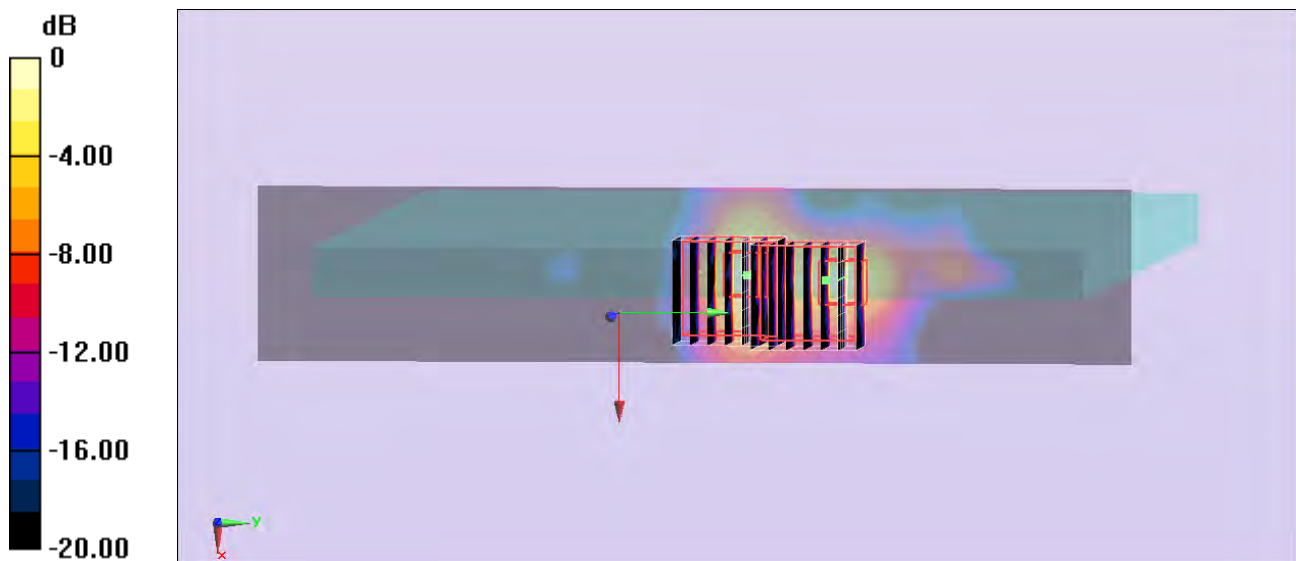
Configuration/Ch165/Zoom Scan (7x7x7)/Cube 1: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 11.287 V/m; Power Drift = -0.13 dB

Peak SAR (extrapolated) = 0.741 mW/g

SAR(1 g) = 0.183 mW/g; SAR(10 g) = 0.052 mW/g

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



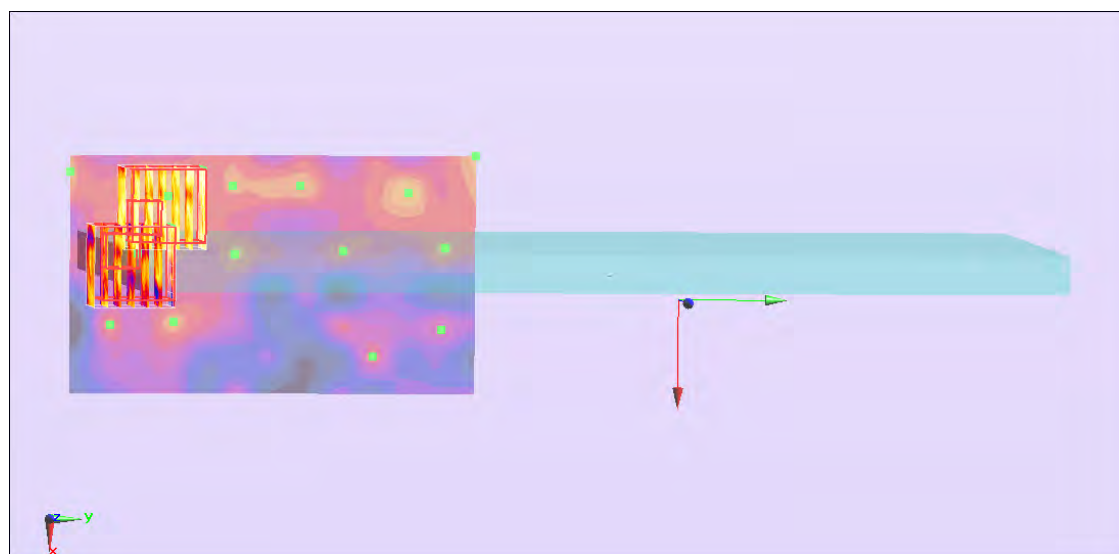
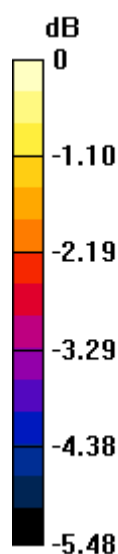
#38_WLAN5G_802.11a_Edge 3_0.8cm_Ch165_Ant B**DUT: 770629**

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

Medium: MSL_5G_130103 Medium parameters used: $f = 5825$ MHz; $\sigma = 6.054$ mho/m; $\epsilon_r = 46.462$; $\rho =$ 1000 kg/m^3 Ambient Temperature : 22.4°C ; Liquid Temperature : 21.4°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/Ch165/Area Scan (71x121x1): Measurement grid: $dx=10\text{mm}$, $dy=10\text{mm}$
Maximum value of SAR (interpolated) = 0.0297 mW/g **Configuration/Ch165/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: $dx=4\text{mm}$, $dy=4\text{mm}$,
 $dz=1.4\text{mm}$ Reference Value = 2.118 V/m ; Power Drift = 0.19 dB Peak SAR (extrapolated) = 0.044 mW/g **SAR(1 g) = 0.035 mW/g ; SAR(10 g) = 0.031 mW/g** Maximum value of SAR (measured) = 0.0434 mW/g **Configuration/Ch165/Zoom Scan (7x7x7)/Cube 1:** Measurement grid: $dx=4\text{mm}$, $dy=4\text{mm}$,
 $dz=1.4\text{mm}$ Reference Value = 2.118 V/m ; Power Drift = 0.19 dB Peak SAR (extrapolated) = 0.040 mW/g **SAR(1 g) = 0.028 mW/g ; SAR(10 g) = 0.024 mW/g** Maximum value of SAR (measured) = 0.0386 mW/g  $0 \text{ dB} = 0.0386 \text{ mW/g} = -28.27 \text{ dB mW/g}$

#156_GSM850_GPRS (2 Tx slots)_Bottom Face_0cm_Ch251_Volume**DUT: 12-4-138**

Communication System: GSM850; Frequency: 848.8 MHz; Duty Cycle: 1:4

Medium: MSL_850_130115 Medium parameters used: $f = 849$ MHz; $\sigma = 0.971$ mho/m; $\epsilon_r = 52.884$; $\rho =$

1000 kg/m^3

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3792; ConvF(8.99, 8.99, 8.99); Calibrated: 2012/6/21;
- Sensor-Surface: 2mm (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/Ch251/Volume Scan (25x27x7): Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$

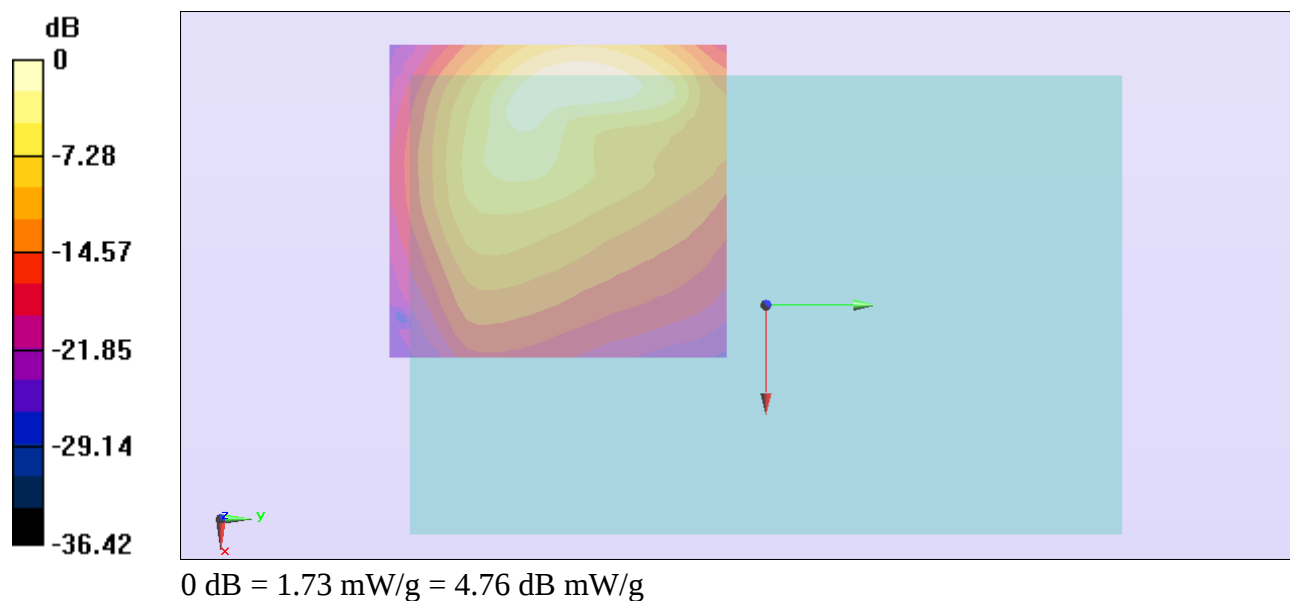
Reference Value = 2.804 V/m ; Power Drift = -0.147 dB

Peak SAR (extrapolated) = 2.275 mW/g

SAR(1 g) = 1.2 mW/g ; SAR(10 g) = 0.667 mW/g

Total Absorbed Power = 0.0600 W

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

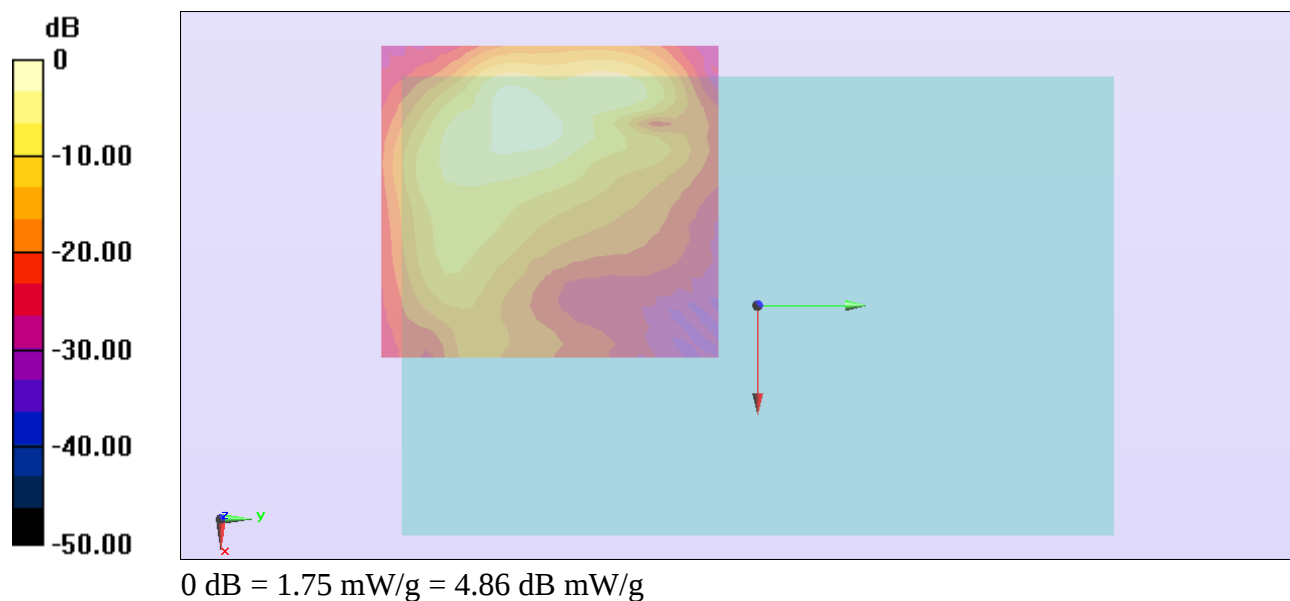


#152_GSM1900_GPRS (2 Tx slots)_Bottom Face_0cm_Ch661_Volume**DUT: 12-4-138**

Communication System: PCS; Frequency: 1880 MHz; Duty Cycle: 1:4

Medium: MSL_1900_130114 Medium parameters used: $f = 1880$ MHz; $\sigma = 1.5$ mho/m; $\epsilon_r = 53.744$; $\rho =$ 1000 kg/m^3 Ambient Temperature : 22.3°C ; Liquid Temperature : 21.3°C **DASY5 Configuration:**

- Probe: EX3DV4 - SN3792; ConvF(7.29, 7.29, 7.29); Calibrated: 2012/6/21;
- Sensor-Surface: 2mm (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/Ch661/Volume Scan (25x27x7): Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$ Reference Value = 1.721 V/m ; Power Drift = -0.18 dB Peak SAR (extrapolated) = 2.395 mW/g **SAR(1 g) = 1.21 mW/g ; SAR(10 g) = 0.590 mW/g** Total Absorbed Power = 0.0338 W Maximum value of SAR (measured) = 1.75 mW/g 

#154_WCDMA II_RMC 12.2Kbps_Bottom Face_0cm_Ch9538_Volume**DUT: 311703**

Communication System: WCDMA; Frequency: 1907.6 MHz; Duty Cycle: 1:1

Medium: MSL_1900_130114 Medium parameters used: $f = 1908$ MHz; $\sigma = 1.523$ mho/m; $\epsilon_r = 53.589$; ρ $= 1000$ kg/m³

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3792; ConvF(7.29, 7.29, 7.29); Calibrated: 2012/6/21;
- Sensor-Surface: 2mm (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/Ch9538/Volume Scan (25x27x7): Measurement grid: dx=5mm, dy=5mm, dz=5mm

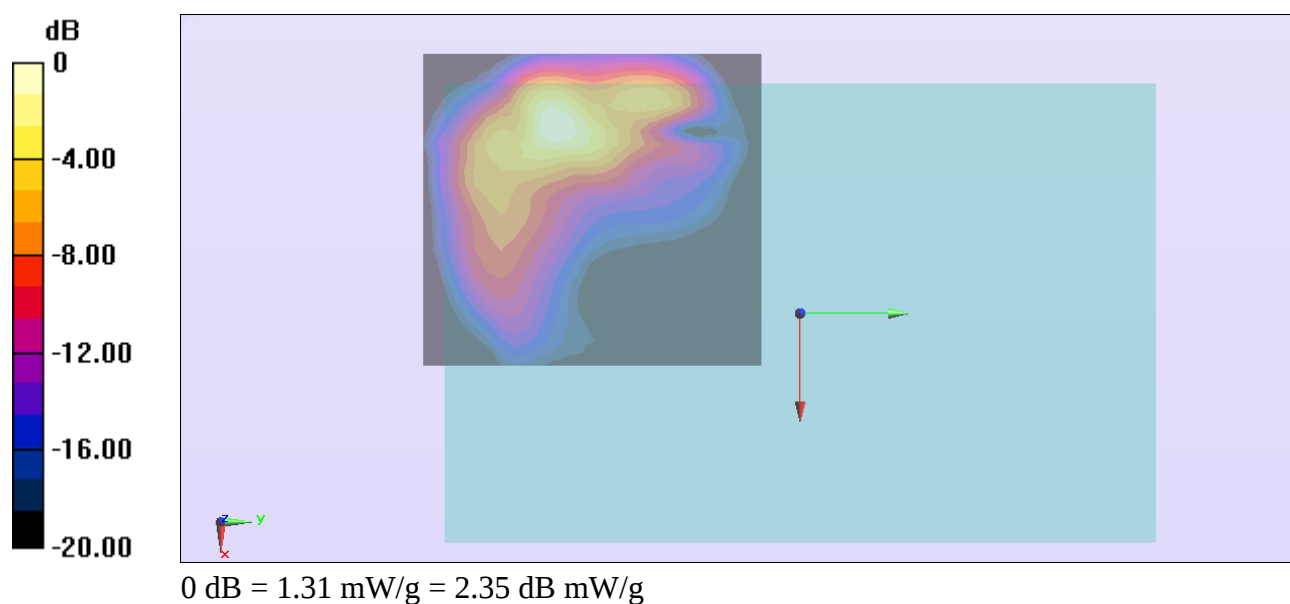
Reference Value = 2.073 V/m; Power Drift = -0.11 dB

Peak SAR (extrapolated) = 1.756 mW/g

SAR(1 g) = 0.884 mW/g; SAR(10 g) = 0.421 mW/g

Total Absorbed Power = 0.0248 W

Maximum value of SAR (measured) = 1.31 mW/g



#625_WCDMA IV_RMC 12.2Kbps_Bottom Face_0cm_Ch1513_Volume**DUT: 311703**

Communication System: WCDMA; Frequency: 1752.6 MHz; Duty Cycle: 1:1

Medium: MSL_1750_120222 Medium parameters used: $f = 1753$ MHz; $\sigma = 1.519$ mho/m; $\epsilon_r = 52.228$; ρ $= 1000$ kg/m³

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3792; ConvF(7.71, 7.71, 7.71); Calibrated: 2012/6/21;
- Sensor-Surface: 2mm (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/Ch1513/Volume Scan (25x27x7): Measurement grid: dx=5mm, dy=5mm, dz=5mm

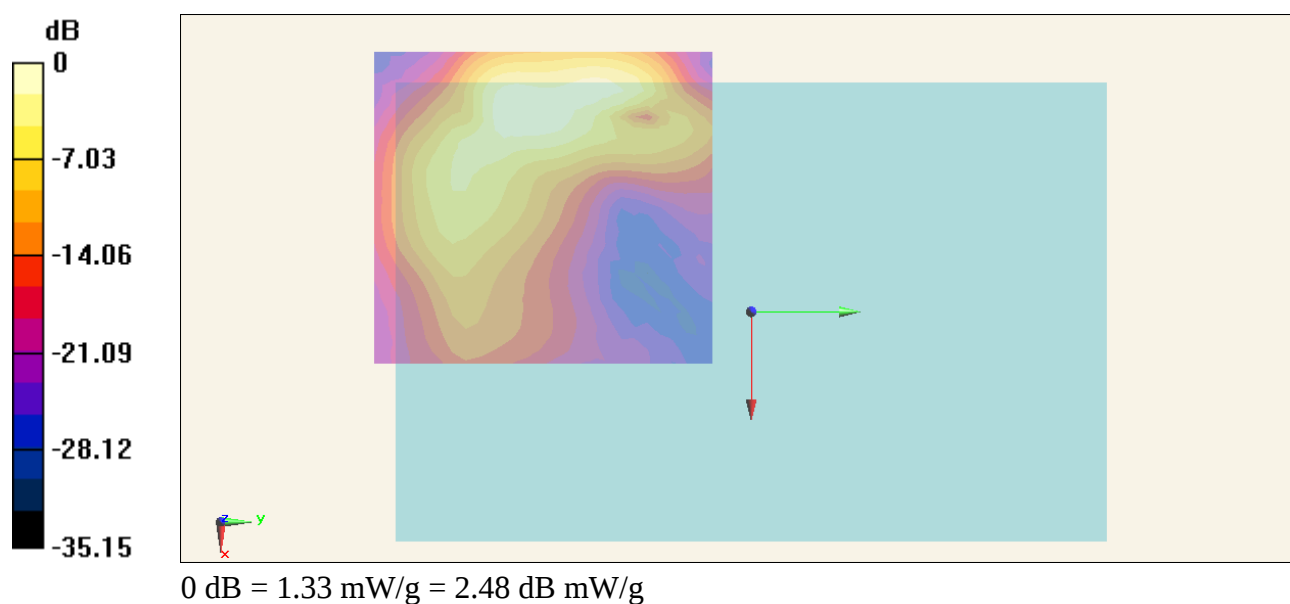
Reference Value = 1.518 V/m; Power Drift = -0.122 dB

Peak SAR (extrapolated) = 1.719 mW/g

SAR(1 g) = 0.948 mW/g; SAR(10 g) = 0.511 mW/g

Total Absorbed Power = 0.0336 W

Maximum value of SAR (measured) = 1.33 mW/g



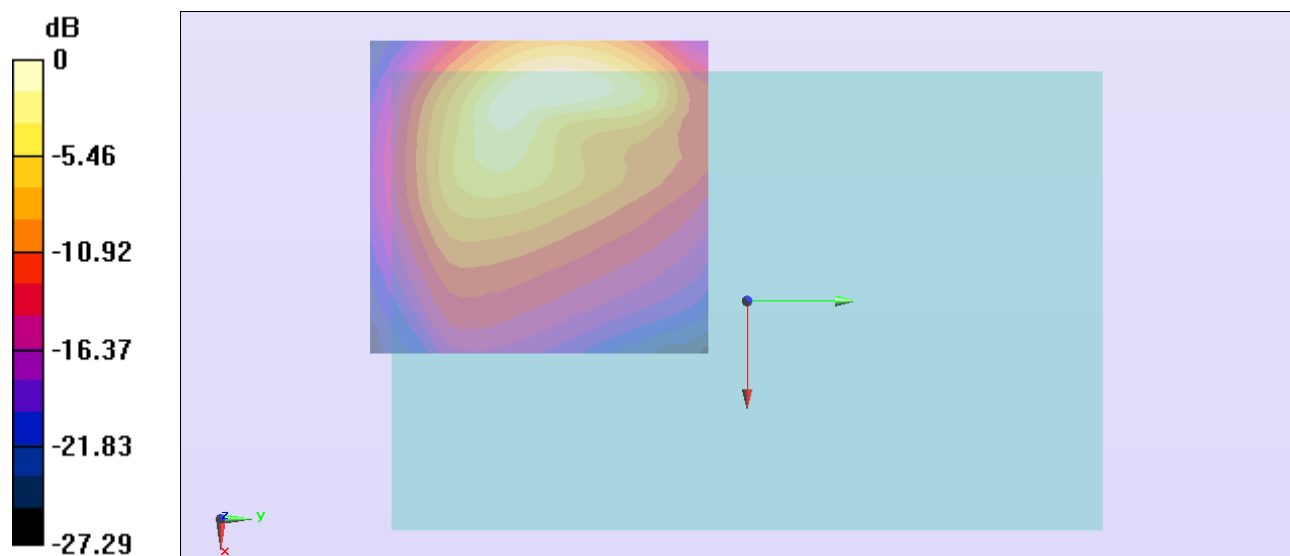
#155_WCDMA V_RMC 12.2Kbps_Bottom Face_0cm_Ch4132_Volume**DUT: 311703**

Communication System: WCDMA; Frequency: 826.4 MHz; Duty Cycle: 1:1

Medium: MSL_850_130115 Medium parameters used: $f = 826.4$ MHz; $\sigma = 0.949$ mho/m; $\epsilon_r = 53.11$; $\rho =$ 1000 kg/m^3 Ambient Temperature : 22.3°C ; Liquid Temperature : 21.3°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3792; ConvF(8.99, 8.99, 8.99); Calibrated: 2012/6/21;
- Sensor-Surface: 2mm (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/Ch4132/Volume Scan (25x27x7): Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$ Reference Value = 2.607 V/m ; Power Drift = 0.11 dB Peak SAR (extrapolated) = 1.720 mW/g **SAR(1 g) = 0.912 mW/g ; SAR(10 g) = 0.514 mW/g** Total Absorbed Power = 0.0489 W Maximum value of SAR (measured) = 1.29 mW/g  $0 \text{ dB} = 1.29 \text{ mW/g} = 2.21 \text{ dB mW/g}$

#461_CDMA BC10_RTAP 153.6kbps_Bottom Face_0cm_Ch476_Volume**DUT: 311703**

Communication System: CDMA ; Frequency: 817.9 MHz; Duty Cycle: 1:1

Medium: MSL_850_130221 Medium parameters used : $f = 817.9$ MHz; $\sigma = 0.947$ mho/m; $\epsilon_r = 54.684$; ρ $= 1000$ kg/m³

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3792; ConvF(8.99, 8.99, 8.99); Calibrated: 2012/6/21;
- Sensor-Surface: 2mm (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/Ch476/Volume Scan (25x27x7): Measurement grid: dx=5mm, dy=5mm, dz=5mm

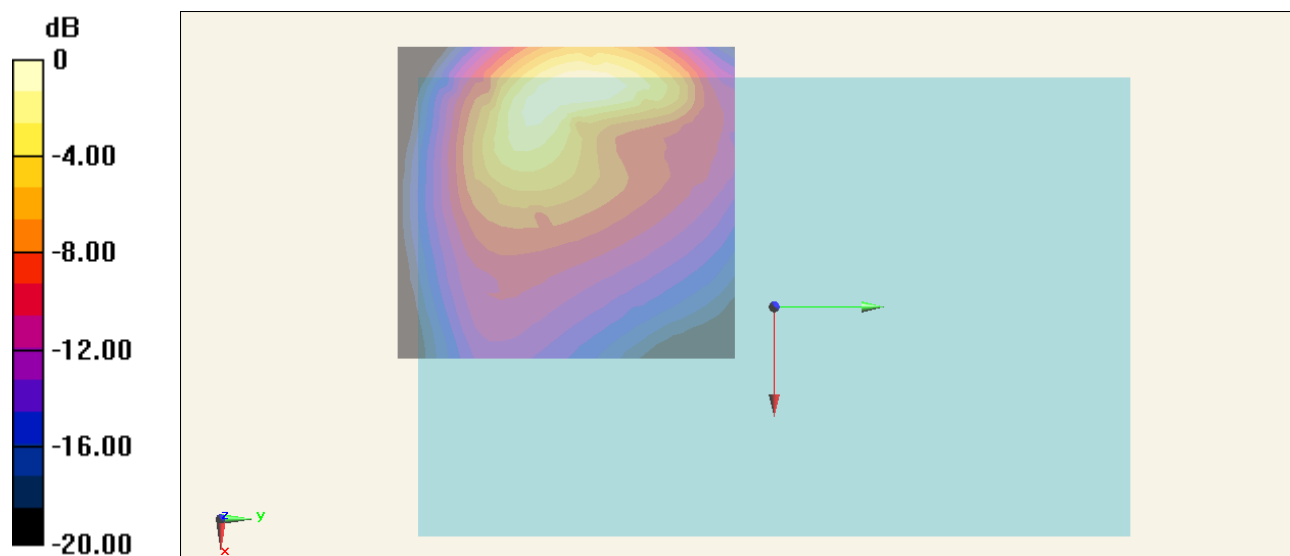
Reference Value = 3.588 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 2.061 mW/g

SAR(1 g) = 1.02 mW/g; SAR(10 g) = 0.589 mW/g

Total Absorbed Power = 0.0559 W

Maximum value of SAR (measured) = 1.42 mW/g



0 dB = 1.42 mW/g = 3.05 dB mW/g

#157_CDMA BC0_RTAP 153.6kbps_Bottom Face_0cm_Ch1013_Volume**DUT: 12-4-138**

Communication System: CDMA ; Frequency: 824.7 MHz; Duty Cycle: 1:1

Medium: MSL_850_130115 Medium parameters used: $f = 825$ MHz; $\sigma = 0.948$ mho/m; $\epsilon_r = 53.122$; $\rho =$

1000 kg/m^3

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3792; ConvF(8.99, 8.99, 8.99); Calibrated: 2012/6/21;
- Sensor-Surface: 2mm (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/Ch1013/Volume Scan (25x27x7): Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$

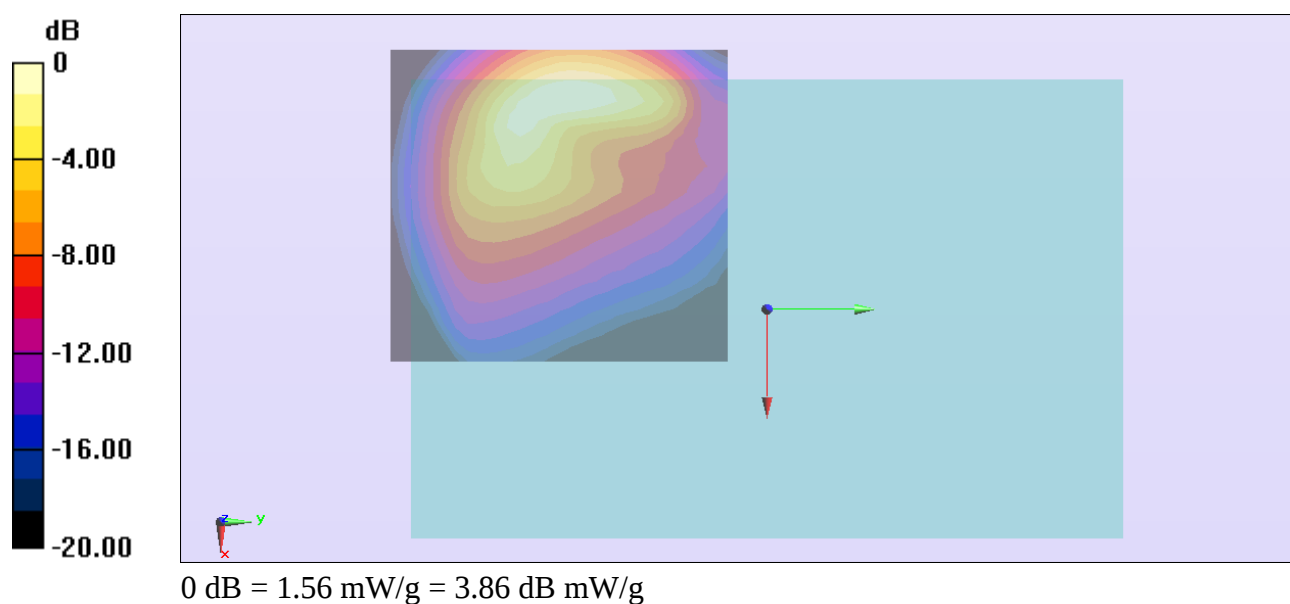
Reference Value = 1.071 V/m ; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 2.072 mW/g

SAR(1 g) = 1.11 mW/g ; SAR(10 g) = 0.627 mW/g

Total Absorbed Power = 0.0590 W

Maximum value of SAR (measured) = 1.56 mW/g



#153_CDMA BC1_RTAP 153.6kbps_Bottom Face_0cm_Ch600_Volume**DUT: 12-4-138**

Communication System: CDMA ; Frequency: 1880 MHz;Duty Cycle: 1:1

Medium: MSL_1900_130114 Medium parameters used: $f = 1880$ MHz; $\sigma = 1.5$ mho/m; $\epsilon_r = 53.744$; $\rho =$

1000 kg/m^3

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3792; ConvF(7.29, 7.29, 7.29); Calibrated: 2012/6/21;
- Sensor-Surface: 2mm (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/Ch600/Volume Scan (25x27x7): Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$

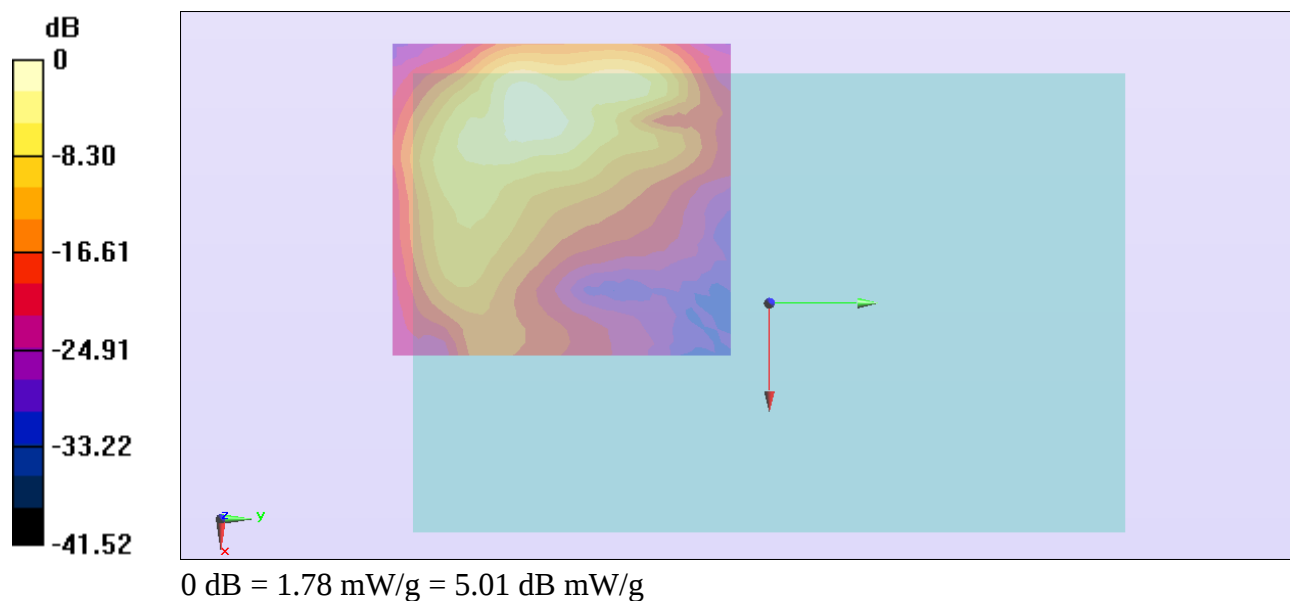
Reference Value = 1.578 V/m ; Power Drift = -0.141 dB

Peak SAR (extrapolated) = 2.433 mW/g

SAR(1 g) = 1.25 mW/g ; SAR(10 g) = 0.616 mW/g

Total Absorbed Power = 0.0357 W

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



#379_LTE Band 17_10M_QPSK 1RB 24offset_Bottom Face_0cm_Ch23800_Volume**DUT: 12-4-138**

Communication System: LTE; Frequency: 711 MHz; Duty Cycle: 1:1

Medium: MSL_750_130118 Medium parameters used: $f = 711$ MHz; $\sigma = 0.926$ mho/m; $\epsilon_r = 56.169$; $\rho =$

1000 kg/m^3

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3578; ConvF(8.52, 8.52, 8.52); Calibrated: 2012/6/21;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn910; Calibrated: 2012/12/5
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP:1127
- Measurement SW: DASY52, Version 52.8 (3); SEMCAD X Version 14.6.5 (6469)

Configuration/Ch23800/Volume Scan (25x27x7): Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$

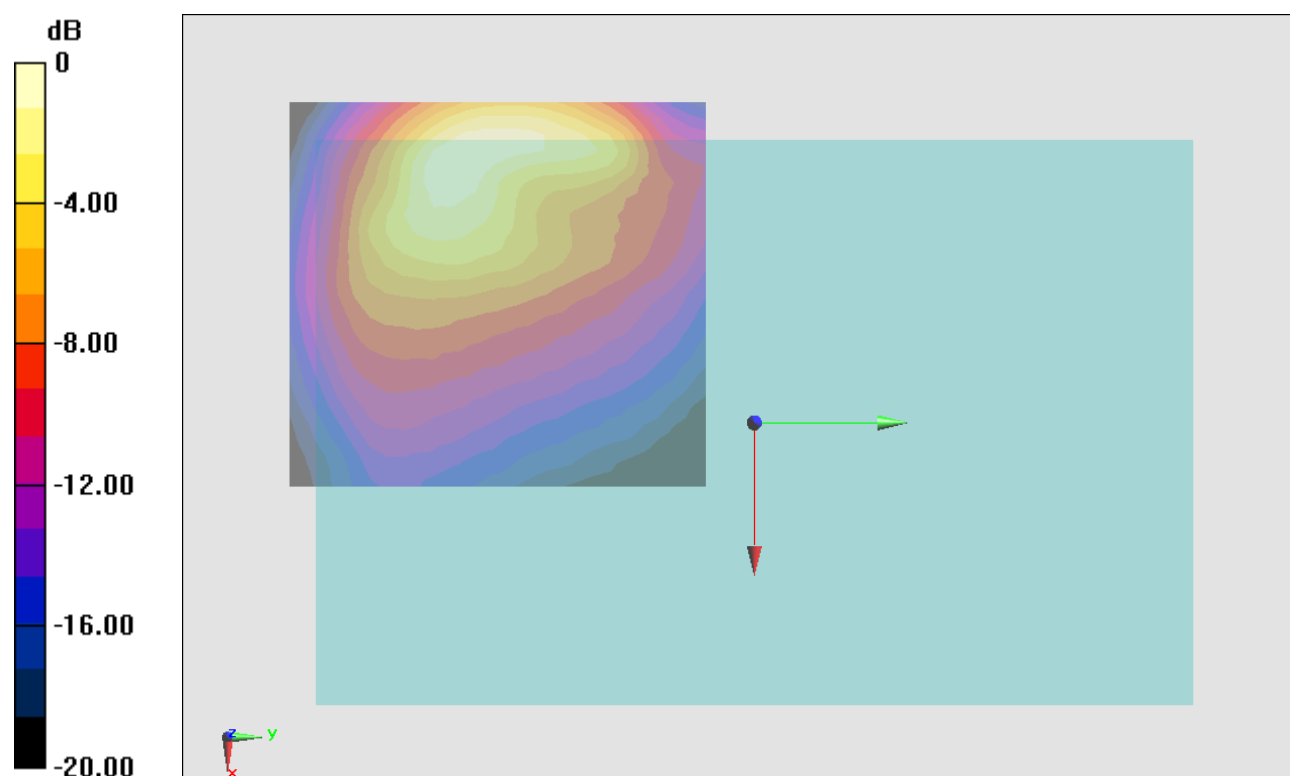
Reference Value = 3.432 V/m ; Power Drift = 0.045 dB

Peak SAR (extrapolated) = 1.841 mW/g

SAR(1 g) = 1.07 mW/g ; SAR(10 g) = 0.651 mW/g

Total Absorbed Power = 0.0655 W

Maximum value of SAR (measured) = 1.45 mW/g



#380_ LTE Band 13_10M_QPSK 25RB 0offset_Bottom Face_0cm_Ch23230_Volume**DUT: 12-4-138**

Communication System: LTE; Frequency: 782 MHz; Duty Cycle: 1:1

Medium: MSL_750_130118 Medium parameters used: $f = 782$ MHz; $\sigma = 0.993$ mho/m; $\epsilon_r = 55.411$; $\rho =$

1000 kg/m^3

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3578; ConvF(8.52, 8.52, 8.52); Calibrated: 2012/6/21;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn495; Calibrated: 2012/4/23
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP:1127
- Measurement SW: DASY52, Version 52.8 (3); SEMCAD X Version 14.6.5 (6469)

Configuration/Ch23230/Volume Scan (25x27x7): Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$

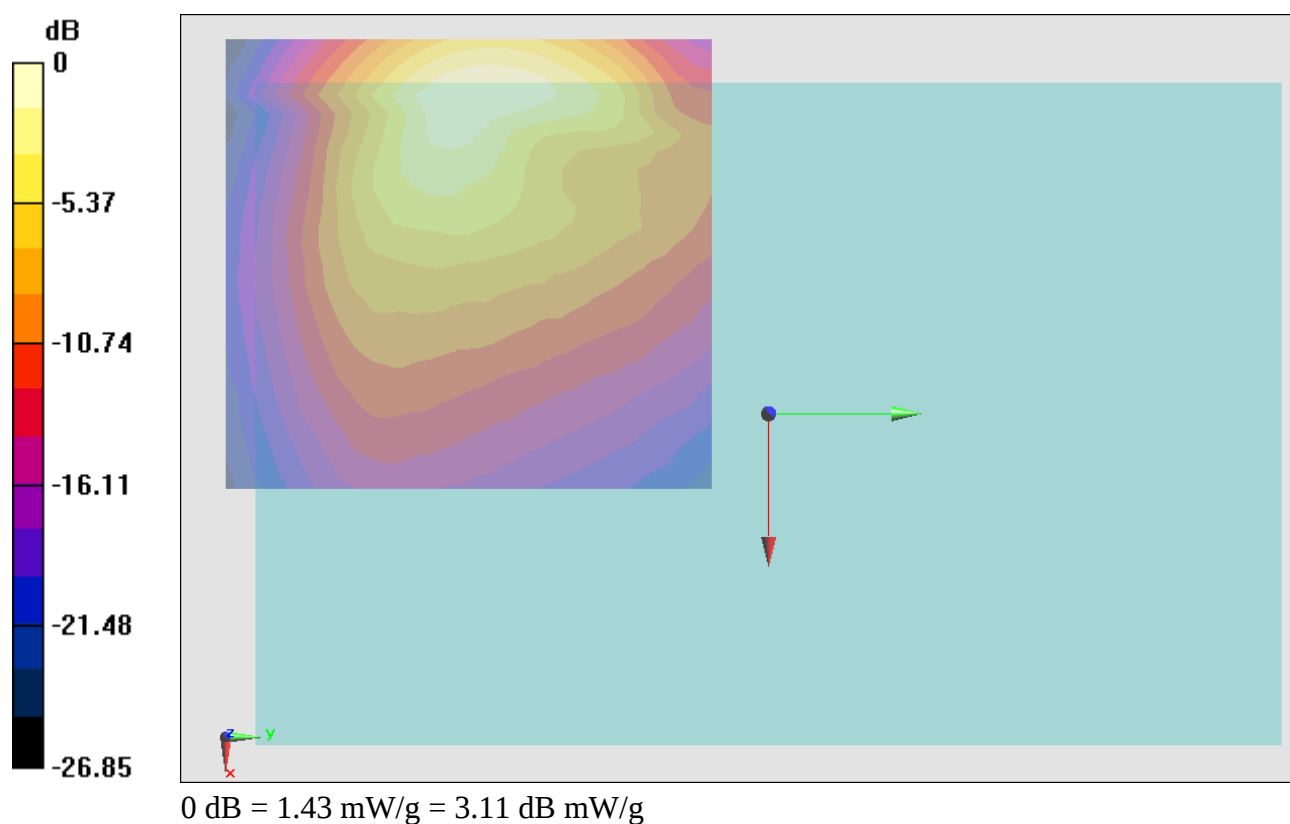
Reference Value = 3.524 V/m ; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 1.853 mW/g

SAR(1 g) = 1 mW/g ; SAR(10 g) = 0.587 mW/g

Total Absorbed Power = 0.0523 W

Maximum value of SAR (measured) = 1.43 mW/g



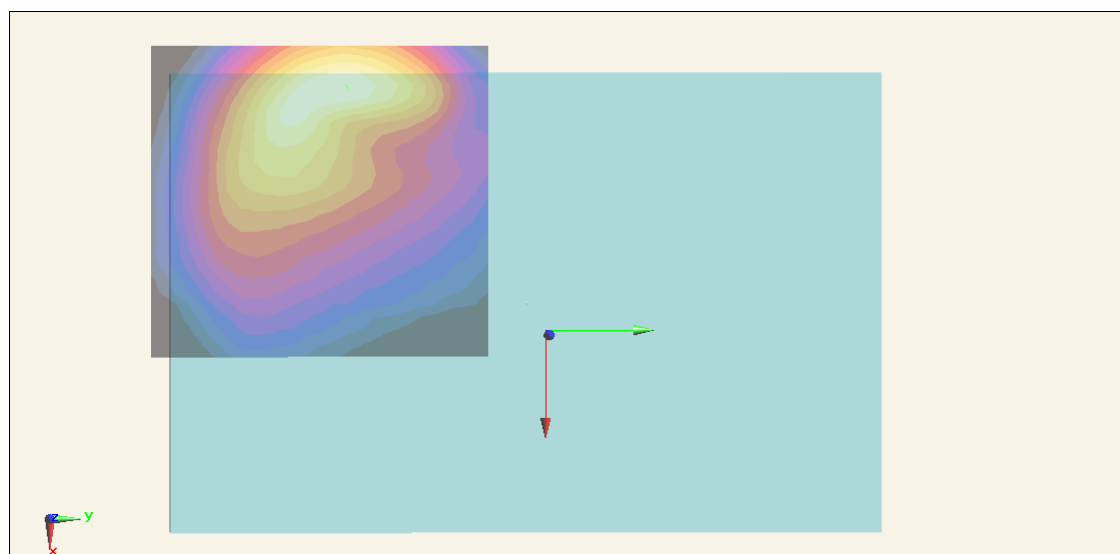
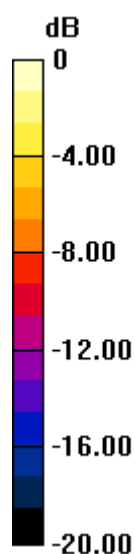
#460_LTE Band 5_10M_QPSK 1RB 24offset_Bottom Face_0cm_Ch20600_Volume**DUT: 311703**

Communication System: LTE; Frequency: 844 MHz; Duty Cycle: 1:1

Medium: MSL_850_130221 Medium parameters used: $f = 844$ MHz; $\sigma = 0.971$ mho/m; $\epsilon_r = 54.41$; $\rho =$ 1000 kg/m^3 Ambient Temperature : 22.2°C ; Liquid Temperature : 21.2°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3792; ConvF(8.99, 8.99, 8.99); Calibrated: 2012/6/21;
- Sensor-Surface: 2mm (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/Ch20600/Volume Scan (25x27x7): Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$ Reference Value = 2.672 V/m ; Power Drift = 0.122 dB Peak SAR (extrapolated) = 1.755 mW/g **SAR(1 g) = 0.934 mW/g ; SAR(10 g) = 0.527 mW/g** Total Absorbed Power = 0.0493 W Maximum value of SAR (measured) = 1.30 mW/g  $0 \text{ dB} = 1.30 \text{ mW/g} = 2.28 \text{ dB mW/g}$

#381_LTE Band 4_20M_QPSK 1RB 0offset_Bottom Face_0cm_Ch20050_Volume**DUT: 311703**

Communication System: LTE; Frequency: 1720 MHz; Duty Cycle: 1:1

Medium: MSL_1750_130121 Medium parameters used: $f = 1720$ MHz; $\sigma = 1.492$ mho/m; $\epsilon_r = 51.692$; ρ $= 1000$ kg/m³

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3792; ConvF(7.71, 7.71, 7.71); Calibrated: 2012/6/21;
- Sensor-Surface: 2mm (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/Ch20050/Volume Scan (25x27x7): Measurement grid: dx=5mm, dy=5mm, dz=5mm

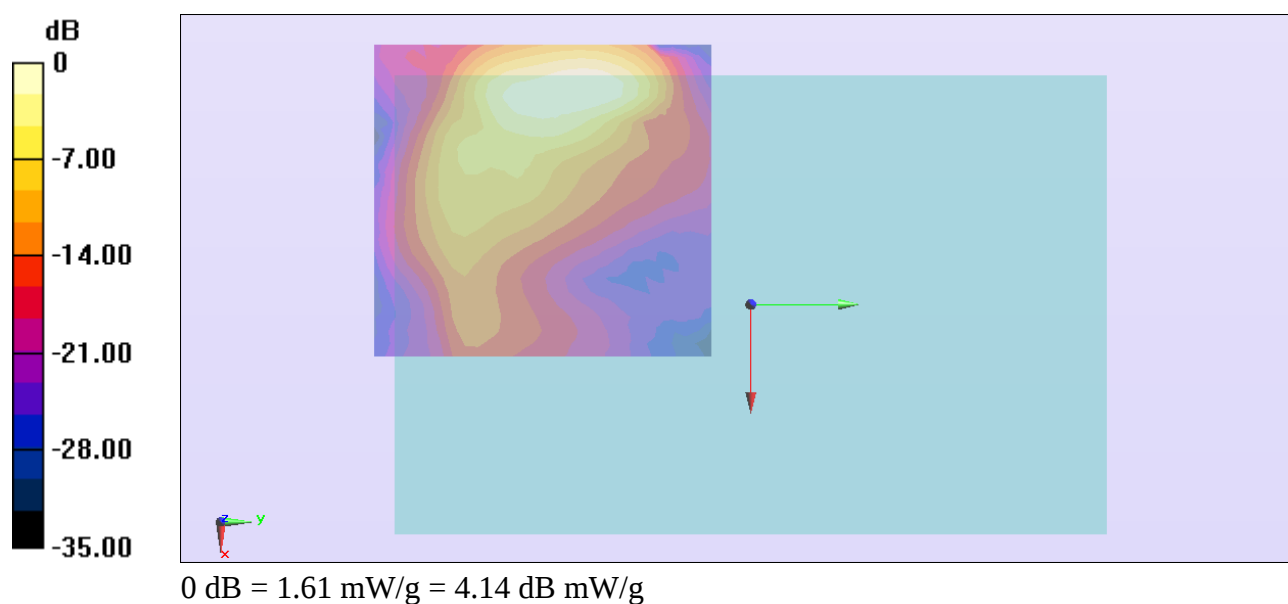
Reference Value = 0.791 V/m; Power Drift = -0.041 dB

Peak SAR (extrapolated) = 2.235 mW/g

SAR(1 g) = 1.14 mW/g; SAR(10 g) = 0.592 mW/g

Total Absorbed Power = 0.0322 W

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



#626_LTE Band 2_20M_QPSK 50RB 0offset_Bottom Face_0cm_Ch18700_Volume**DUT: 311703**

Communication System: LTE; Frequency: 1860 MHz; Duty Cycle: 1:1

Medium: MSL_1900_130222 Medium parameters used: $f = 1860$ MHz; $\sigma = 1.502$ mho/m; $\epsilon_r = 51.089$; ρ $= 1000$ kg/m³

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3792; ConvF(7.29, 7.29, 7.29); Calibrated: 2012/6/21;
- Sensor-Surface: 2mm (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/Ch18700/Volume Scan (25x27x7): Measurement grid: dx=5mm, dy=5mm, dz=5mm

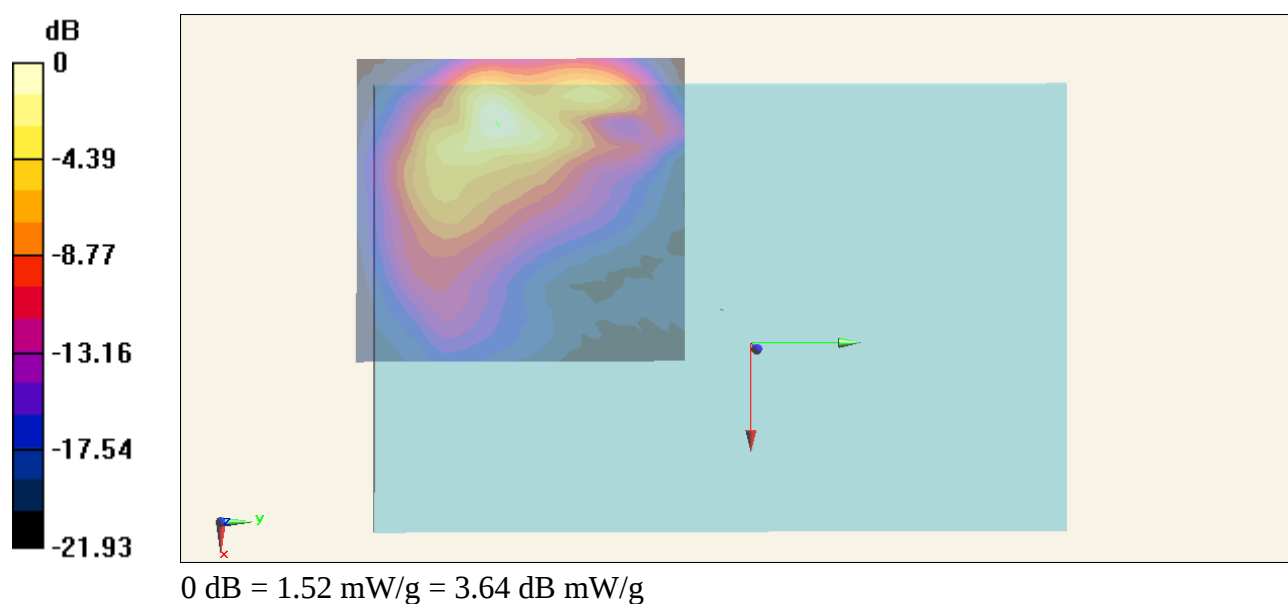
Reference Value = 2.631 V/m; Power Drift = 0.168 dB

Peak SAR (extrapolated) = 2.040 mW/g

SAR(1 g) = 0.991 mW/g; SAR(10 g) = 0.482 mW/g

Total Absorbed Power = 0.0342 W

Maximum value of SAR (measured) = 1.52 mW/g



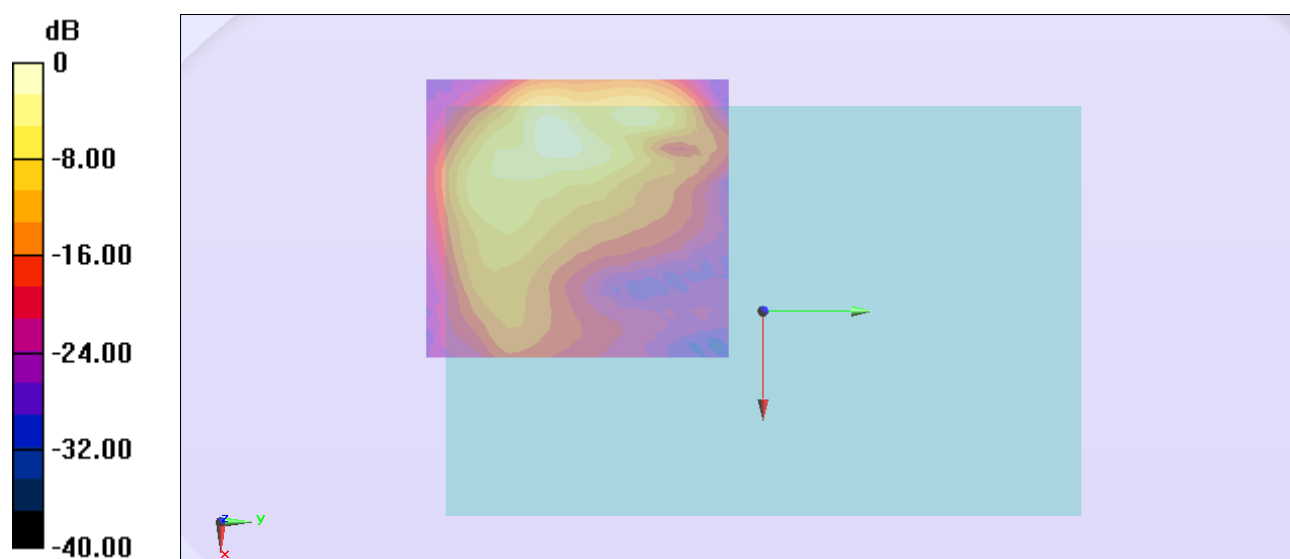
#423_LTE Band 25_20M_QPSK 50RB 0offset_Bottom Face_0cm_Ch26590_Volume**DUT: 311703**

Communication System: LTE; Frequency: 1905 MHz; Duty Cycle: 1:1

Medium: MSL_1900_130124 Medium parameters used: $f = 1905$ MHz; $\sigma = 1.53$ mho/m; $\epsilon_r = 52.781$; $\rho =$ 1000 kg/m^3 Ambient Temperature : 22.5°C ; Liquid Temperature : 21.5°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3792; ConvF(7.29, 7.29, 7.29); Calibrated: 2012/6/21;
- Sensor-Surface: 2mm (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/Ch26590/Volume Scan (25x27x7): Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$ Reference Value = 1.338 V/m ; Power Drift = -0.067 dB Peak SAR (extrapolated) = 1.752 mW/g **SAR(1 g) = 0.865 mW/g ; SAR(10 g) = 0.400 mW/g** Total Absorbed Power = 0.0236 W Maximum value of SAR (measured) = 1.34 mW/g 

#31_WLAN2.4G_802.11b_Bottom Face_0cm_Ch1;Ant A_Volume**DUT: 770629**

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

Medium: MSL_2450_130111 Medium parameters used: $f = 2412$ MHz; $\sigma = 1.882$ mho/m; $\epsilon_r = 53.651$; ρ $= 1000$ kg/m³

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3792; ConvF(7.1, 7.1, 7.1); Calibrated: 2012/6/21;
- Sensor-Surface: 2mm (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/Ch1/Volume Scan (25x27x7): Measurement grid: dx=5mm, dy=5mm, dz=5mm

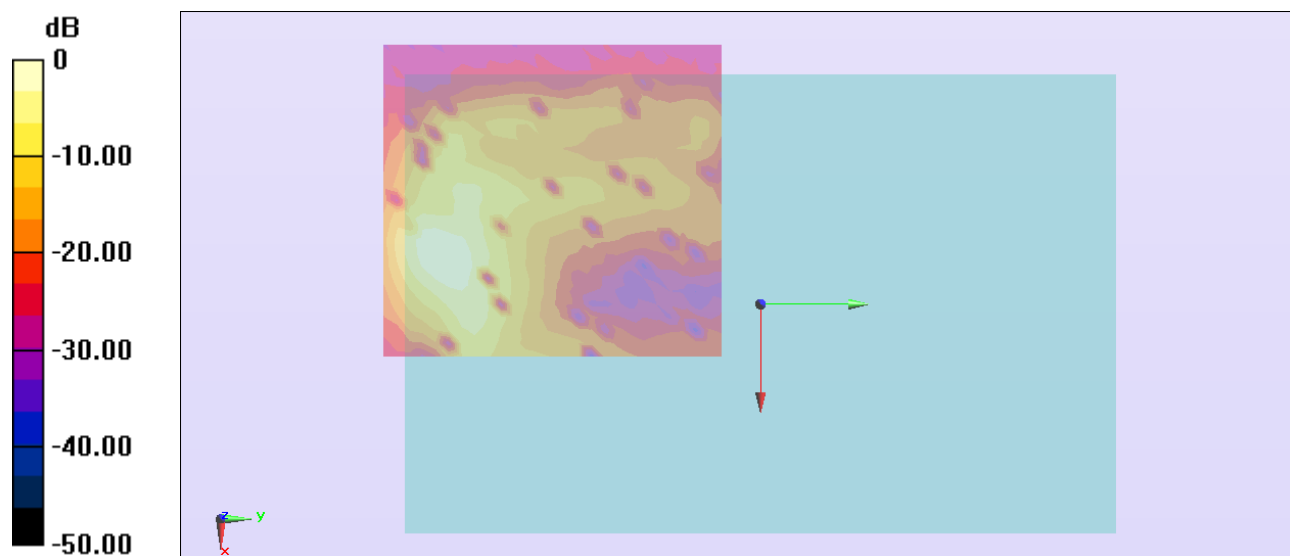
Reference Value = 2.095 V/m; Power Drift = 0.056 dB

Peak SAR (extrapolated) = 2.543 mW/g

SAR(1 g) = 1.08 mW/g; SAR(10 g) = 0.445 mW/g

Total Absorbed Power = 0.0169 W

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



0 dB = 1.69 mW/g = 4.56 dB mW/g

Test Laboratory: The name of your organization Date: 2013/1/15

#156_GSM850_GPRS (2 Tx slots)_Bottom Face_0cm_Ch251_Volume

DUT: 12-4-138

Communication System: GSM850; Frequency: 848.8 MHz; Duty Cycle: 1:4

Medium: MSL_850_130115 Medium parameters used: $f = 849$ MHz; $\sigma = 0.971$ S/m; $\epsilon_r = 52.884$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

- ε Probe: EX3DV4 - SN3792; ConvF(8.99, 8.99, 8.99); Calibrated: 2012/6/21;
 - ε Sensor-Surface: 2mm (Mechanical Surface Detection)
 - ε Electronics: DAE4 Sn1338; Calibrated: 2012/6/12
 - ε Phantom: ELI 4.0_Front; Type: QDOVA001BB; Serial: 1029
 - ε Measurement SW: DASY52, Version 52.8 (3)
-

Test Laboratory: The name of your organization Date: 2013/1/11

#31_WLAN2.4G_802.11b_Bottom Face_0cm_Ch1;Ant A_Volume

DUT: 770629

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

Medium: MSL_2450_130111 Medium parameters used: $f = 2412$ MHz; $\sigma = 1.882$ S/m; $\epsilon_r = 53.651$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

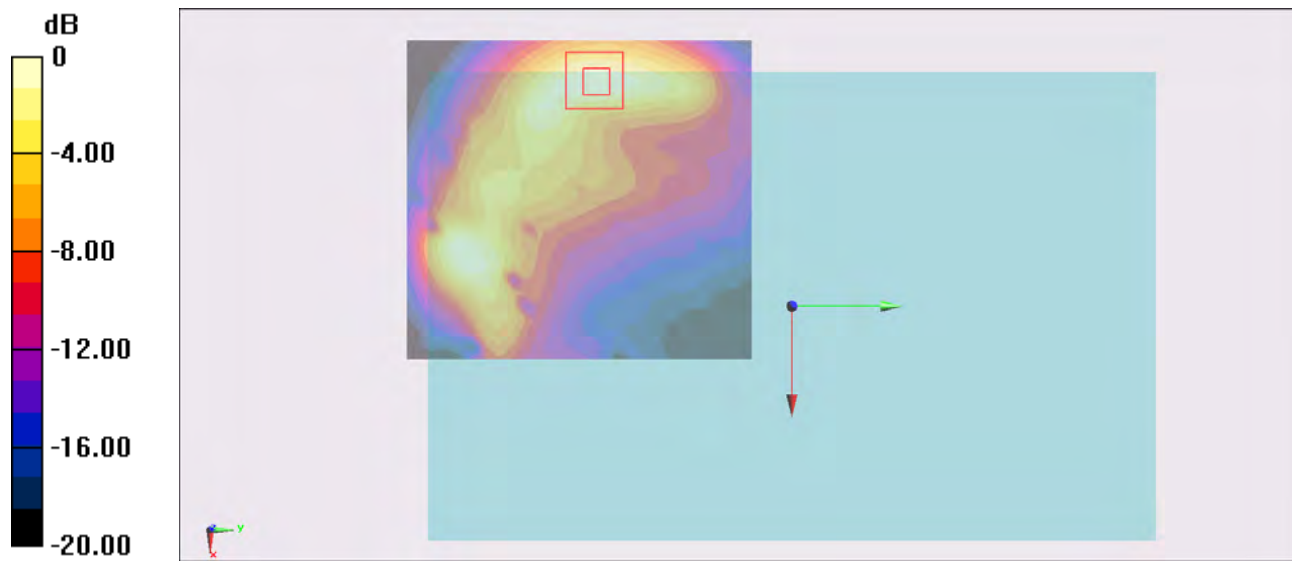
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

- ε Probe: EX3DV4 - SN3792; ConvF(7.1, 7.1, 7.1); Calibrated: 2012/6/21;
 - ε Sensor-Surface: 2mm (Mechanical Surface Detection)
 - ε Electronics: DAE4 Sn1338; Calibrated: 2012/6/12
 - ε Phantom: ELI 4.0_Front; Type: QDOVA001BB; Serial: 1029
 - ε Measurement SW: DASY52, Version 52.8 (3)
-

Multi Band Result:

SAR(1 g) = 1.44 W/kg; SAR(10 g) = 0.800 W/kg

Maximum value of SAR (interpolated) = 2.73 W/kg



0 dB = 2.73 W/kg = 4.36 dBW/kg

Test Laboratory: The name of your organization Date: 2013/1/14

#152_GSM1900_GPRS (2 Tx slots)_Bottom Face_0cm_Ch661_Volume

DUT: 12-4-138

Communication System: PCS; Frequency: 1880 MHz; Duty Cycle: 1:4

Medium: MSL_1900_130114 Medium parameters used: $f = 1880$ MHz; $\sigma = 1.5$ S/m; $\epsilon_r = 53.744$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

- ⌵ Probe: EX3DV4 - SN3792; ConvF(7.29, 7.29, 7.29); Calibrated: 2012/6/21;
 - ⌵ Sensor-Surface: 2mm (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)
-

Test Laboratory: The name of your organization Date: 2013/1/11

#31_WLAN2.4G_802.11b_Bottom Face_0cm_Ch1;Ant A_Volume

DUT: 770629

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

Medium: MSL_2450_130111 Medium parameters used: $f = 2412$ MHz; $\sigma = 1.882$ S/m; $\epsilon_r = 53.651$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

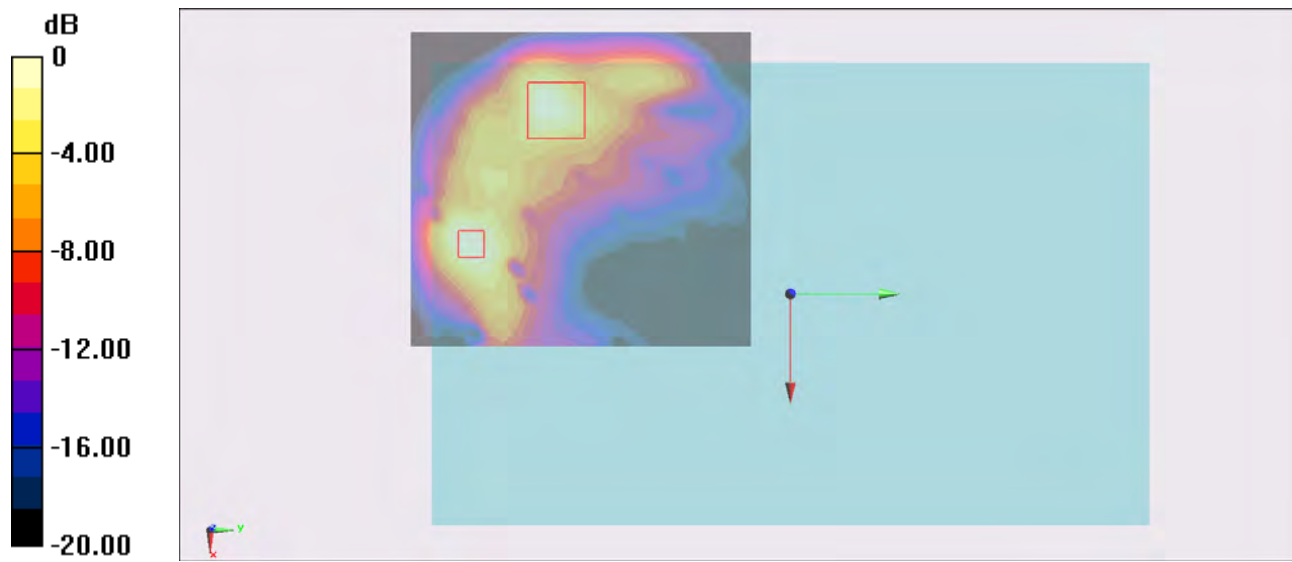
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

- ⌵ Probe: EX3DV4 - SN3792; ConvF(7.1, 7.1, 7.1); Calibrated: 2012/6/21;
 - ⌵ Sensor-Surface: 2mm (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)
-

Multi Band Result:

SAR(1 g) = 1.44 W/kg; SAR(10 g) = 0.685 W/kg

Maximum value of SAR (interpolated) = 2.84 W/kg



0 dB = 2.84 W/kg = 4.53 dBW/kg

Test Laboratory: The name of your organization Date: 2013/1/15

#155_WCDMA V_RMC 12.2Kbps_Bottom Face_0cm_Ch4132_Volume

DUT: 12-4-138

Communication System: WCDMA; Frequency: 826.4 MHz; Duty Cycle: 1:1

Medium: MSL_850_130115 Medium parameters used (interpolated): $f = 826.4$ MHz; $\sigma = 0.949$ S/m; $\epsilon_r = 53.11$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

- ε Probe: EX3DV4 - SN3792; ConvF(8.99, 8.99, 8.99); Calibrated: 2012/6/21;
 - ε Sensor-Surface: 2mm (Mechanical Surface Detection)
 - ε Electronics: DAE4 Sn1338; Calibrated: 2012/6/12
 - ε Phantom: ELI 4.0_Front; Type: QDOVA001BB; Serial: 1029
 - ε Measurement SW: DASY52, Version 52.8 (3)
-

Test Laboratory: The name of your organization Date: 2013/1/11

#31_WLAN2.4G_802.11b_Bottom Face_0cm_Ch1;Ant A_Volume

DUT: 770629

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

Medium: MSL_2450_130111 Medium parameters used: $f = 2412$ MHz; $\sigma = 1.882$ S/m; $\epsilon_r = 53.651$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

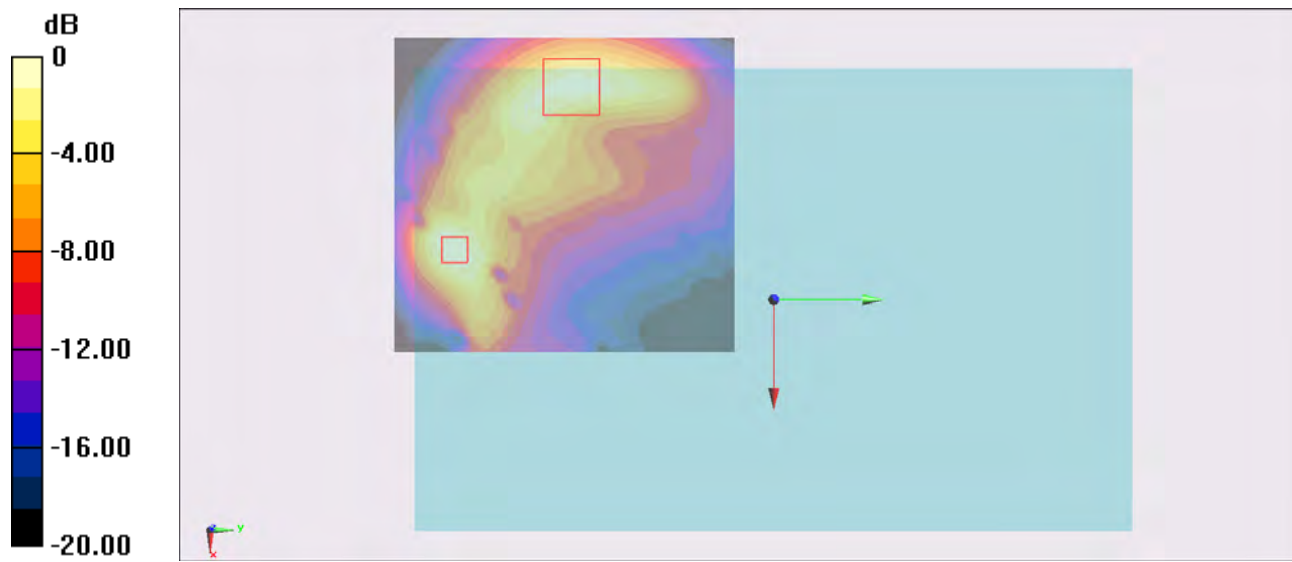
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

- ε Probe: EX3DV4 - SN3792; ConvF(7.1, 7.1, 7.1); Calibrated: 2012/6/21;
 - ε Sensor-Surface: 2mm (Mechanical Surface Detection)
 - ε Electronics: DAE4 Sn1338; Calibrated: 2012/6/12
 - ε Phantom: ELI 4.0_Front; Type: QDOVA001BB; Serial: 1029
 - ε Measurement SW: DASY52, Version 52.8 (3)
-

Multi Band Result:

SAR(1 g) = 1.39 W/kg; SAR(10 g) = 0.748 W/kg

Maximum value of SAR (interpolated) = 2.74 W/kg



Test Laboratory: The name of your organization **Date:** 2013/1/11

#31_WLAN2.4G_802.11b_Bottom Face_0cm_Ch1;Ant A_Volume

DUT: 770629

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

Medium: MSL_2450_130111 Medium parameters used: $f = 2412$ MHz; $\sigma = 1.882$ S/m; $\epsilon_r = 53.651$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

- ⌚ Probe: EX3DV4 - SN3792; ConvF(7.1, 7.1, 7.1); Calibrated: 2012/6/21;
 - ⌚ Sensor-Surface: 2mm (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)
-

Test Laboratory: The name of your organization Date: 2013/2/22

#625_WCDMA IV_RMC 12.2Kbps_Bottom Face_0cm_Ch1513_Volume

DUT: 311703

Communication System: WCDMA; **Frequency:** 1752.6 MHz; **Duty Cycle:** 1:1

Medium: MSL_1750_120222 Medium parameters used: $f = 1753$ MHz; $\sigma = 1.519$ S/m; $\epsilon_r = 52.228$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

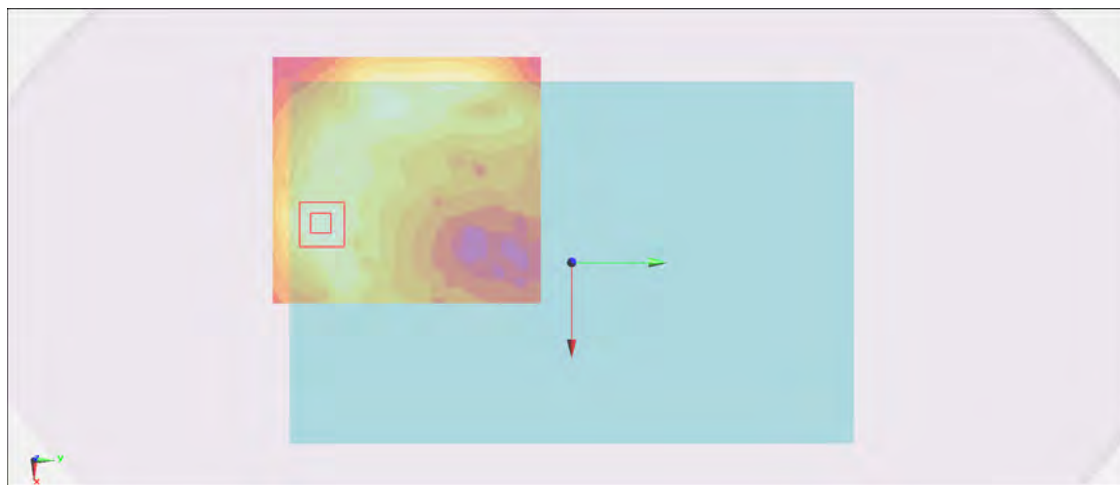
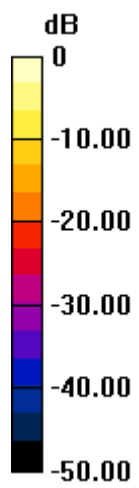
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

- ⌚ Probe: EX3DV4 - SN3792; ConvF(7.71, 7.71, 7.71); Calibrated: 2012/6/21;
 - ⌚ Sensor-Surface: 2mm (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)
-

Multi Band Result:

SAR(1 g) = 1.42 W/kg; SAR(10 g) = 0.622 W/kg

Maximum value of SAR (interpolated) = 2.79 W/kg



0 dB = 2.79 W/kg = 4.46 dBW/kg

Test Laboratory: The name of your organization Date: 2013/1/14

#154_WCDMA II_RMC 12.2Kbps_Bottom Face_0cm_Ch9538_Volume

DUT: 12-4-138

Communication System: WCDMA; Frequency: 1907.6 MHz; Duty Cycle: 1:1

Medium: MSL_1900_130114 Medium parameters used: $f = 1908$ MHz; $\sigma = 1.523$ S/m;

$\epsilon_r = 53.589$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

- ⌵ Probe: EX3DV4 - SN3792; ConvF(7.29, 7.29, 7.29); Calibrated: 2012/6/21;
 - ⌵ Sensor-Surface: 2mm (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)
-

Test Laboratory: The name of your organization Date: 2013/1/11

#31_WLAN2.4G_802.11b_Bottom Face_0cm_Ch1;Ant A_Volume

DUT: 770629

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

Medium: MSL_2450_130111 Medium parameters used: $f = 2412$ MHz; $\sigma = 1.882$ S/m; $\epsilon_r = 53.651$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

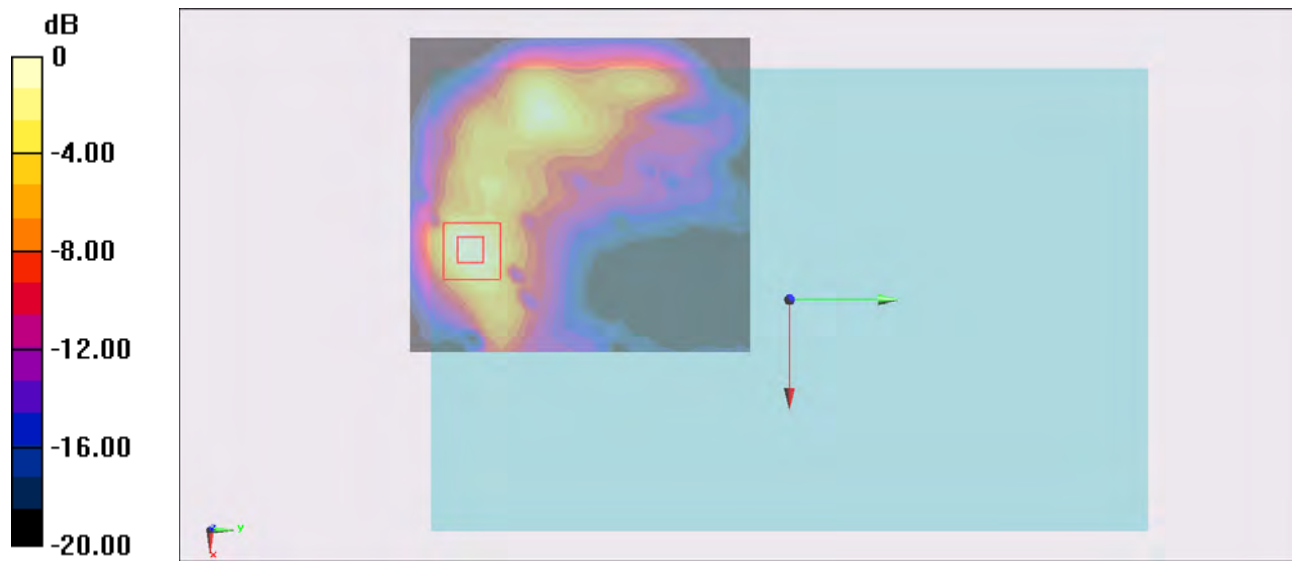
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

- ⌵ Probe: EX3DV4 - SN3792; ConvF(7.1, 7.1, 7.1); Calibrated: 2012/6/21;
 - ⌵ Sensor-Surface: 2mm (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)
-

Multi Band Result:

SAR(1 g) = 1.46 W/kg; SAR(10 g) = 0.641 W/kg

Maximum value of SAR (interpolated) = 2.87 W/kg



Test Laboratory: The name of your organization Date: 2013/1/11

#31_WLAN2.4G_802.11b_Bottom Face_0cm_Ch1;Ant A_Volume

DUT: 770629

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

Medium: MSL_2450_130111 Medium parameters used: $f = 2412$ MHz; $\sigma = 1.882$ mho/m; $\epsilon_r = 53.651$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

- ε Probe: EX3DV4 - SN3792; ConvF(7.1, 7.1, 7.1); Calibrated: 2012/6/21;
- ε Sensor-Surface: 2mm (Mechanical Surface Detection)
- ε Electronics: DAE4 Sn1338; Calibrated: 2012/6/12
- ε Phantom: ELI 4.0_Front; Type: QDOVA001BB; Serial: 1029
- ε Measurement SW: DASYS2, Version 52.8 (3)

Test Laboratory: The name of your organization Date: 2013/2/21

#461_CDMA BC10_RTAP 153.6kbps_Bottom Face_0cm_Ch476_Volume

DUT: 311703

Communication System: CDMA ; Frequency: 817.9 MHz; Duty Cycle: 1:1; PMF: 1

Medium: MSL_850_130221 Medium parameters used : $f = 817.9$ MHz; $\sigma = 0.947$ mho/m; $\epsilon_r = 54.684$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

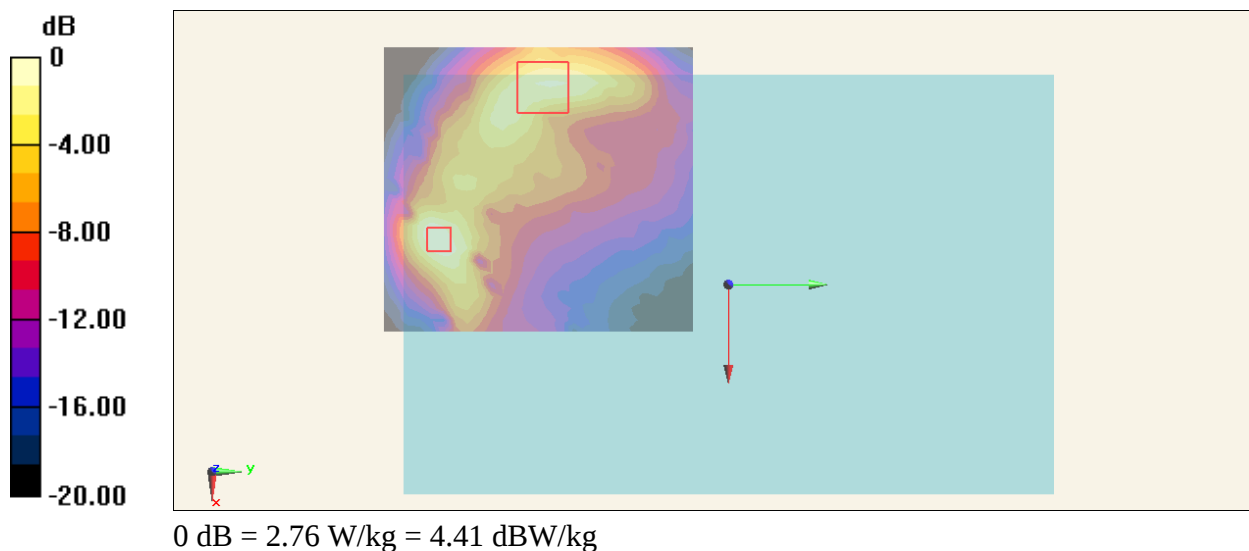
Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

- ε Probe: EX3DV4 - SN3792; ConvF(8.99, 8.99, 8.99); Calibrated: 2012/6/21;
- ε Sensor-Surface: 2mm (Mechanical Surface Detection)
- ε Electronics: DAE4 Sn1338; Calibrated: 2012/6/12
- ε Phantom: ELI 4.0_Front; Type: QDOVA001BB; Serial: 1029
- ε Measurement SW: DASYS2, Version 52.8 (3)

Multi Band Result:

SAR(1 g) = 1.4 W/kg; SAR(10 g) = 0.734 W/kg

Maximum value of SAR (interpolated) = 2.76 W/kg



Test Laboratory: The name of your organization Date: 2013/1/15

#157_CDMA BC0_RTAP 153.6kbps_Bottom Face_0cm_Ch1013_Volume

DUT: 12-4-138

Communication System: CDMA ; Frequency: 824.7 MHz; Duty Cycle: 1:1

Medium: MSL_850_130115 Medium parameters used: $f = 825$ MHz; $\sigma = 0.948$ S/m; $\epsilon_r = 53.122$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

- ⌵ Probe: EX3DV4 - SN3792; ConvF(8.99, 8.99, 8.99); Calibrated: 2012/6/21;
 - ⌵ Sensor-Surface: 2mm (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)
-

Test Laboratory: The name of your organization Date: 2013/1/11

#31_WLAN2.4G_802.11b_Bottom Face_0cm_Ch1;Ant A_Volume

DUT: 770629

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

Medium: MSL_2450_130111 Medium parameters used: $f = 2412$ MHz; $\sigma = 1.882$ S/m; $\epsilon_r = 53.651$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

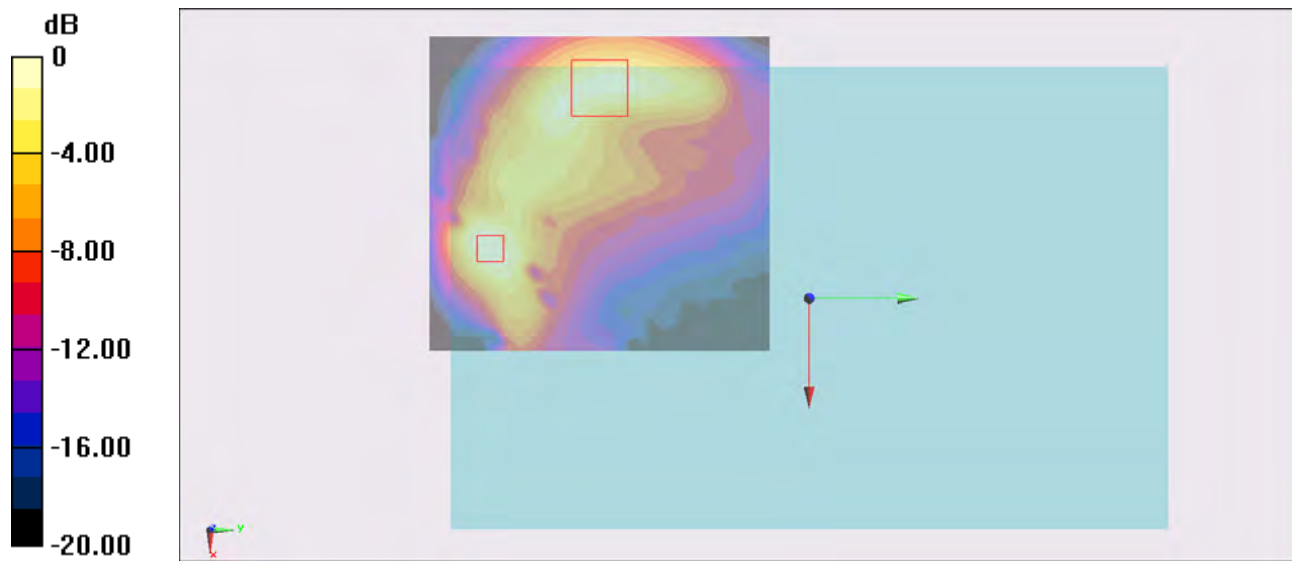
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

- ⌵ Probe: EX3DV4 - SN3792; ConvF(7.1, 7.1, 7.1); Calibrated: 2012/6/21;
 - ⌵ Sensor-Surface: 2mm (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)
-

Multi Band Result:

SAR(1 g) = 1.41 W/kg; SAR(10 g) = 0.773 W/kg

Maximum value of SAR (interpolated) = 2.75 W/kg



0 dB = 2.75 W/kg = 4.39 dBW/kg

Test Laboratory: The name of your organization **Date:** 2013/1/14

#153_CDMA BC1_RTAP 153.6kbps_Bottom Face_0cm_Ch600_Volume

DUT: 12-4-138

Communication System: CDMA ; **Frequency:** 1880 MHz; **Duty Cycle:** 1:1

Medium: MSL_1900_130114 Medium parameters used: $f = 1880$ MHz; $\sigma = 1.5$ S/m; $\epsilon_r = 53.744$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

- ⌚ Probe: EX3DV4 - SN3792; ConvF(7.29, 7.29, 7.29); Calibrated: 2012/6/21;
 - ⌚ Sensor-Surface: 2mm (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)
-

Test Laboratory: The name of your organization **Date:** 2013/1/11

#31_WLAN2.4G_802.11b_Bottom Face_0cm_Ch1;Ant A_Volume

DUT: 770629

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

Medium: MSL_2450_130111 Medium parameters used: $f = 2412$ MHz; $\sigma = 1.882$ S/m; $\epsilon_r = 53.651$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

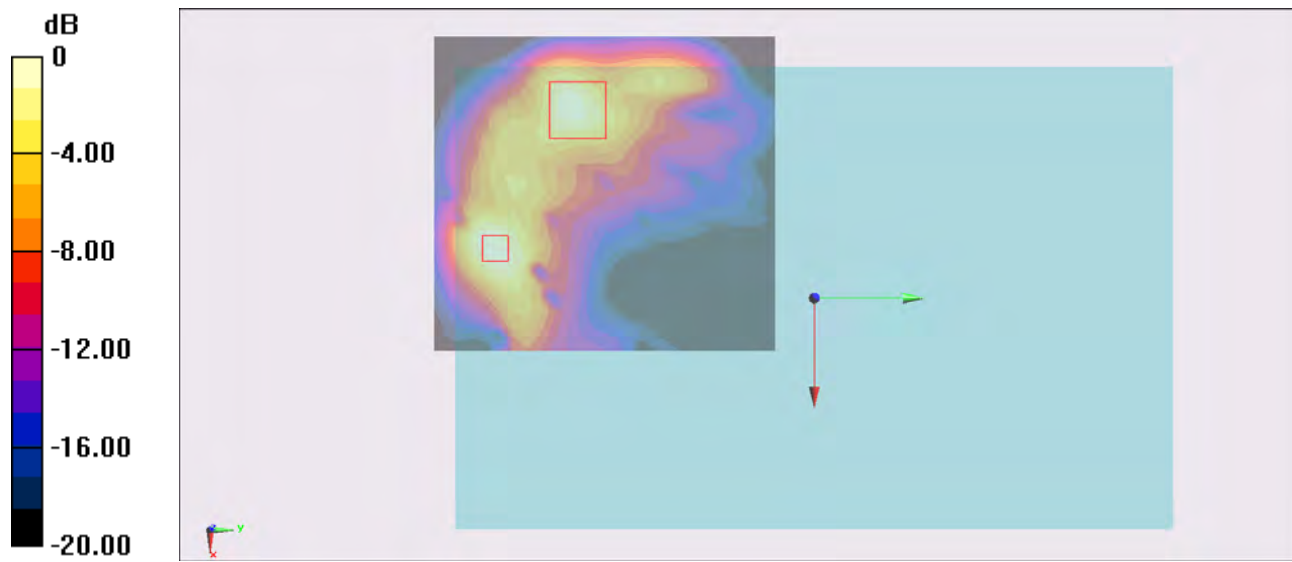
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

- ⌚ Probe: EX3DV4 - SN3792; ConvF(7.1, 7.1, 7.1); Calibrated: 2012/6/21;
 - ⌚ Sensor-Surface: 2mm (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)
-

Multi Band Result:

SAR(1 g) = 1.48 W/kg; SAR(10 g) = 0.713 W/kg

Maximum value of SAR (interpolated) = 2.90 W/kg



Test Laboratory: The name of your organization **Date:** 2013/1/18

#379_ LTE Band 17_10M_QPSK 1RB 24offset_Bottom Face_0cm_Ch23800_Volume

DUT: 12-4-138

Communication System: LTE; **Frequency:** 711 MHz; **Duty Cycle:** 1:1; **PMF:** 1

Medium: MSL_750_130118 Medium parameters used: $f = 711 \text{ MHz}$; $\sigma = 0.926 \text{ S/m}$; $\epsilon_r = 56.169$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

- ⌘ Probe: EX3DV4 - SN3578; ConvF(8.52, 8.52, 8.52); Calibrated: 2012/6/21;
- ⌘ Sensor-Surface: 2mm (Mechanical Surface Detection)
- ⌘ Electronics: DAE4 Sn910; Calibrated: 2012/12/5
- ⌘ Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP:1127
- ⌘ Measurement SW: DASY52, Version 52.8 (3)

Test Laboratory: The name of your organization **Date:** 2013/1/11

#31_WLAN2.4G_802.11b_Bottom Face_0cm_Ch1;Ant A_Volume

DUT: 770629

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

Medium: MSL_2450_130111 Medium parameters used: $f = 2412 \text{ MHz}$; $\sigma = 1.882 \text{ S/m}$; $\epsilon_r = 53.651$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

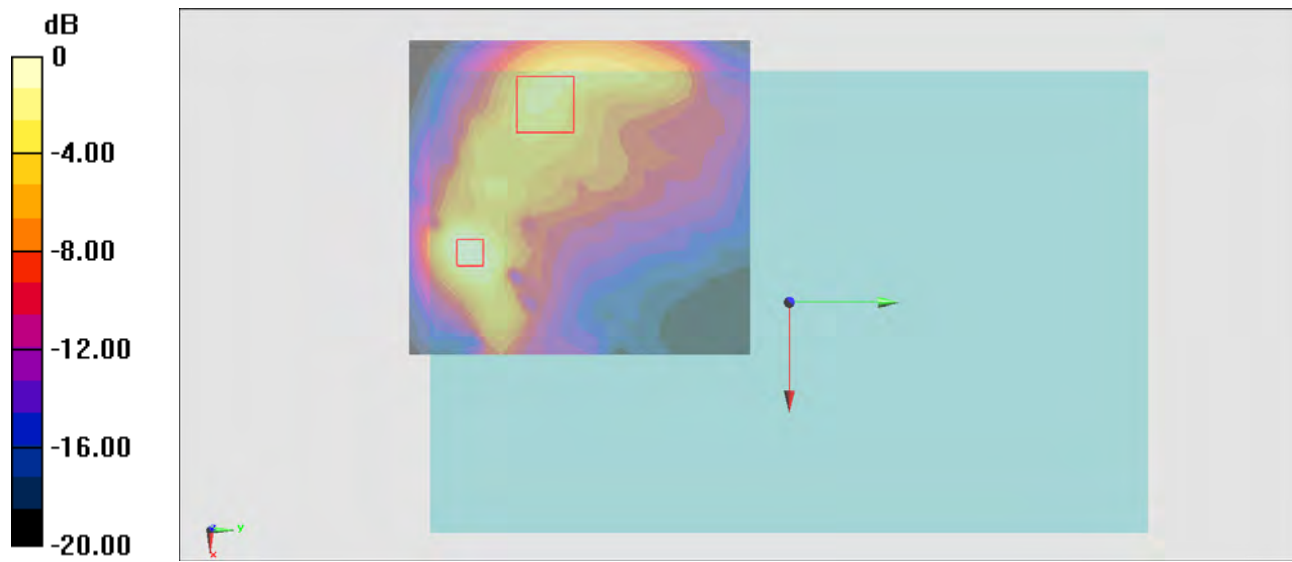
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

- ⌘ Probe: EX3DV4 - SN3792; ConvF(7.1, 7.1, 7.1); Calibrated: 2012/6/21;
- ⌘ Sensor-Surface: 2mm (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)

Multi Band Result:

SAR(1 g) = 1.63 W/kg; SAR(10 g) = 0.743 W/kg

Maximum value of SAR (interpolated) = 3.19 W/kg



0 dB = 3.19 W/kg = 5.04 dBW/kg

Test Laboratory: The name of your organization **Date:** 2013/1/18

#380_ LTE Band 13_10M_QPSK 25RB 0offset_Bottom Face_0cm_Ch23230_Volume

DUT: 12-4-138

Communication System: LTE; **Frequency:** 782 MHz; **Duty Cycle:** 1:1

Medium: MSL_750_130118 Medium parameters used: $f = 782 \text{ MHz}$; $\sigma = 0.993 \text{ S/m}$; $\epsilon_r = 55.411$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

- ε Probe: EX3DV4 - SN3578; ConvF(8.52, 8.52, 8.52); Calibrated: 2012/6/21;
- ε Sensor-Surface: 2mm (Mechanical Surface Detection)
- ε Electronics: DAE3 Sn495; Calibrated: 2012/4/23
- ε Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP:1127
- ε Measurement SW: DASY52, Version 52.8 (3)

Test Laboratory: The name of your organization **Date:** 2013/1/11

#31_WLAN2.4G_802.11b_Bottom Face_0cm_Ch1;Ant A_Volume

DUT: 770629

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

Medium: MSL_2450_130111 Medium parameters used: $f = 2412 \text{ MHz}$; $\sigma = 1.882 \text{ S/m}$; $\epsilon_r = 53.651$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

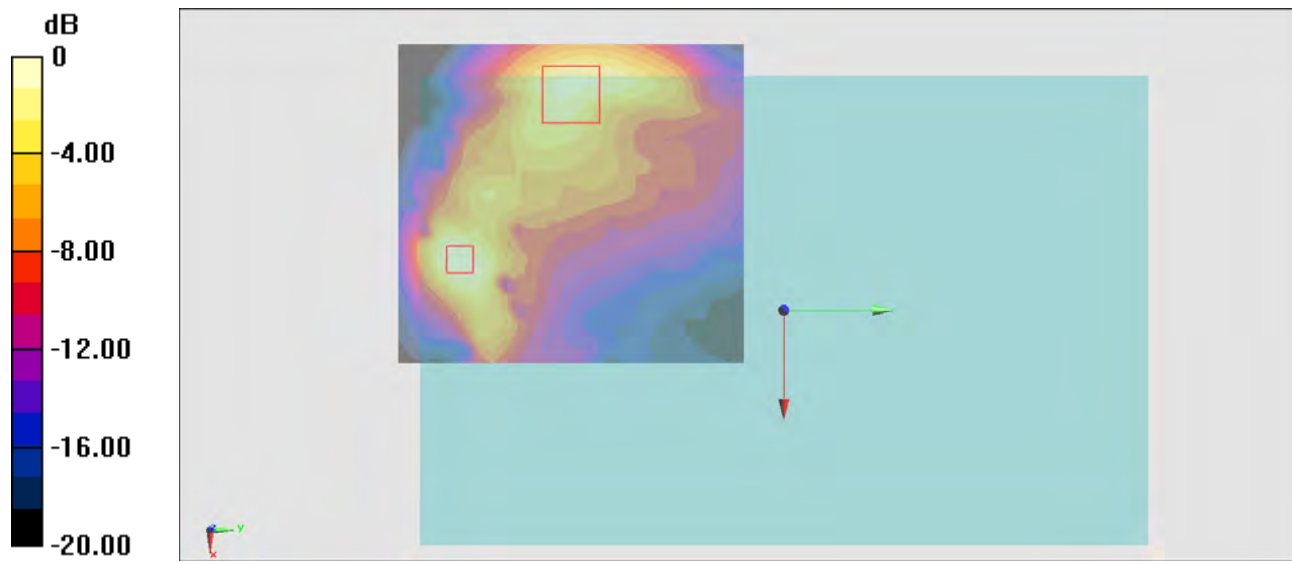
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

- ε Probe: EX3DV4 - SN3792; ConvF(7.1, 7.1, 7.1); Calibrated: 2012/6/21;
- ε Sensor-Surface: 2mm (Mechanical Surface Detection)
- ε Electronics: DAE4 Sn1338; Calibrated: 2012/6/12
- ε Phantom: ELI 4.0_Front; Type: QDOVA001BB; Serial: 1029
- ε Measurement SW: DASY52, Version 52.8 (3)

Multi Band Result:

SAR(1 g) = 1.55 W/kg; SAR(10 g) = 0.832 W/kg

Maximum value of SAR (interpolated) = 3.05 W/kg



0 dB = 3.05 W/kg = 4.84 dBW/kg

Test Laboratory: The name of your organization Date: 2013/1/11

#31_WLAN2.4G_802.11b_Bottom Face_0cm_Ch1;Ant A_Volume

DUT: 770629

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

Medium: MSL_2450_130111 Medium parameters used: $f = 2412$ MHz; $\sigma = 1.882$ mho/m; $\epsilon_r = 53.651$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

- ι Probe: EX3DV4 - SN3792; ConvF(7.1, 7.1, 7.1); Calibrated: 2012/6/21;
- ι Sensor-Surface: 2mm (Mechanical Surface Detection)
- ι Electronics: DAE4 Sn1338; Calibrated: 2012/6/12
- ι Phantom: ELI 4.0_Front; Type: QDOVA001BB; Serial: 1029
- ι Measurement SW: DASY52, Version 52.8 (3)

Test Laboratory: The name of your organization Date: 2013/2/21

#460_LTE Band 5_10M_QPSK 1RB 24offset_Bottom Face_0cm_Ch20600_Volume

DUT: 311703

Communication System: LTE; Frequency: 844 MHz; Duty Cycle: 1:1; PMF: 1

Medium: MSL_850_130221 Medium parameters used: $f = 844$ MHz; $\sigma = 0.971$ mho/m; $\epsilon_r = 54.41$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

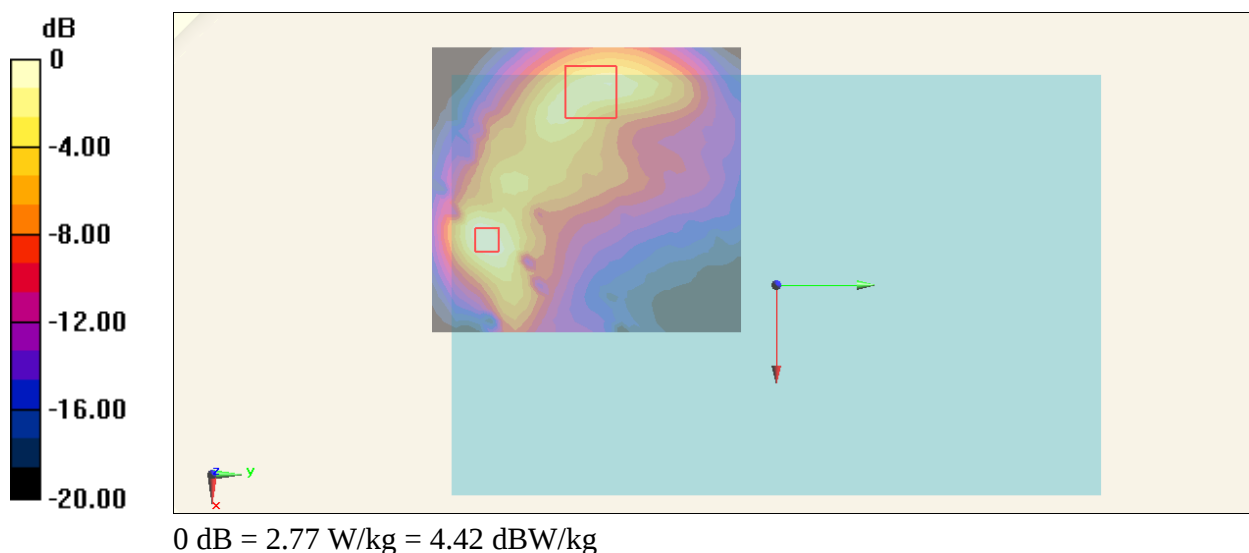
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

- ι Probe: EX3DV4 - SN3792; ConvF(8.99, 8.99, 8.99); Calibrated: 2012/6/21;
- ι Sensor-Surface: 2mm (Mechanical Surface Detection)
- ι Electronics: DAE4 Sn1338; Calibrated: 2012/6/12
- ι Phantom: ELI 4.0_Front; Type: QDOVA001BB; Serial: 1029
- ι Measurement SW: DASY52, Version 52.8 (3)

Multi Band Result:

SAR(1 g) = 1.4 W/kg; SAR(10 g) = 0.664 W/kg

Maximum value of SAR (interpolated) = 2.77 W/kg



Test Laboratory: The name of your organization **Date:** 2013/1/21

#381_LTE Band 4_20M_QPSK 1RB 0offset_Bottom Face_0cm_Ch20050_Volume

DUT: 311703

Communication System: LTE; **Frequency:** 1720 MHz; **Duty Cycle:** 1:1

Medium: MSL_1750_130121 Medium parameters used: $f = 1720$ MHz; $\sigma = 1.492$ S/m; $\epsilon_r = 51.692$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

- ε Probe: EX3DV4 - SN3792; ConvF(7.71, 7.71, 7.71); Calibrated: 2012/6/21;
 - ε Sensor-Surface: 2mm (Mechanical Surface Detection)
 - ε Electronics: DAE4 Sn1338; Calibrated: 2012/6/12
 - ε Phantom: ELI 4.0_Front; Type: QDOVA001BB; Serial: 1029
 - ε Measurement SW: DASY52, Version 52.8 (3)
-

Test Laboratory: The name of your organization **Date:** 2013/1/11

#31_WLAN2.4G_802.11b_Bottom Face_0cm_Ch1;Ant A_Volume

DUT: 770629

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

Medium: MSL_2450_130111 Medium parameters used: $f = 2412$ MHz; $\sigma = 1.882$ S/m; $\epsilon_r = 53.651$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

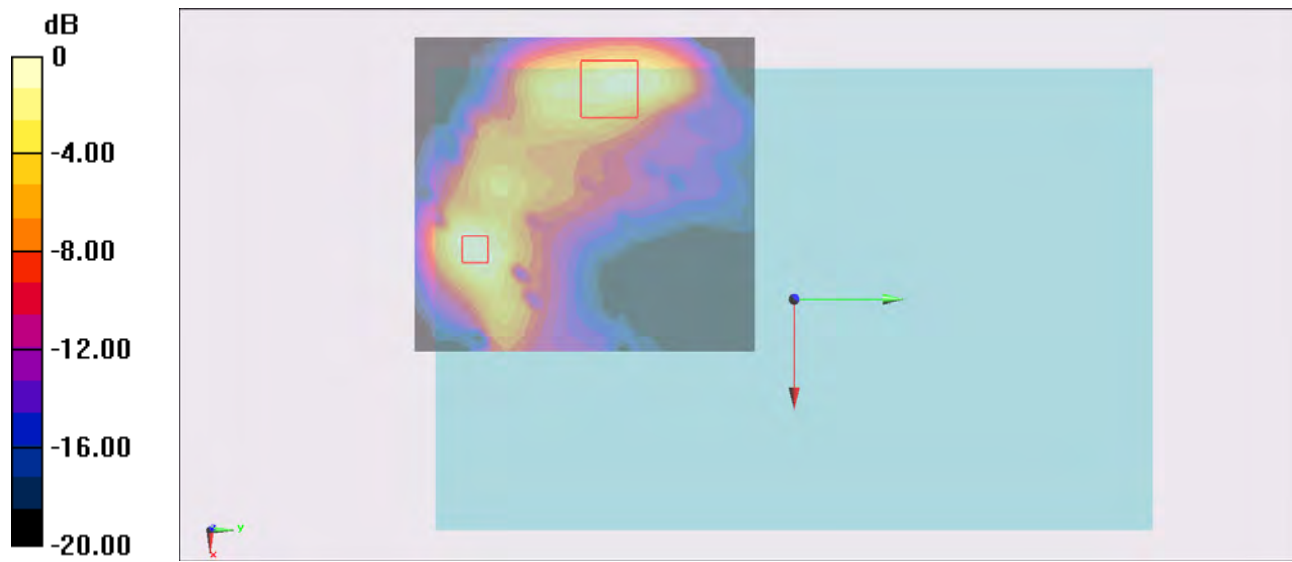
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

- ε Probe: EX3DV4 - SN3792; ConvF(7.1, 7.1, 7.1); Calibrated: 2012/6/21;
 - ε Sensor-Surface: 2mm (Mechanical Surface Detection)
 - ε Electronics: DAE4 Sn1338; Calibrated: 2012/6/12
 - ε Phantom: ELI 4.0_Front; Type: QDOVA001BB; Serial: 1029
 - ε Measurement SW: DASY52, Version 52.8 (3)
-

Multi Band Result:

SAR(1 g) = 1.36 W/kg; SAR(10 g) = 0.650 W/kg

Maximum value of SAR (interpolated) = 2.73 W/kg



0 dB = 2.73 W/kg = 4.36 dBW/kg

Test Laboratory: The name of your organization Date: 2013/1/11

#31_WLAN2.4G_802.11b_Bottom Face_0cm_Ch1;Ant A_Volume

DUT: 770629

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

Medium: MSL_2450_130111 Medium parameters used: $f = 2412$ MHz; $\sigma = 1.882$ mho/m; $\epsilon_r = 53.651$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

- ⌘ Probe: EX3DV4 - SN3792; ConvF(7.1, 7.1, 7.1); Calibrated: 2012/6/21;
 - ⌘ Sensor-Surface: 2mm (Mechanical Surface Detection)
 - ⌘ Electronics: DAE4 Sn1338; Calibrated: 2012/6/12
 - ⌘ Phantom: ELI 4.0_Front; Type: QDOVA001BB; Serial: 1029
 - ⌘ Measurement SW: DASYS2, Version 52.8 (3)
-

Test Laboratory: The name of your organization Date/Time: 2013/2/23

626_LTE Band 2_20M_QPSK 50RB 0offset_Bottom Face_0cm_Ch18700_Volume

DUT: 311703

Communication System: LTE; Frequency: 1860 MHz; Duty Cycle: 1:1

Medium: MSL_1900_130222 Medium parameters used: $f = 1860$ MHz; $\sigma = 1.502$ mho/m; $\epsilon_r = 51.089$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

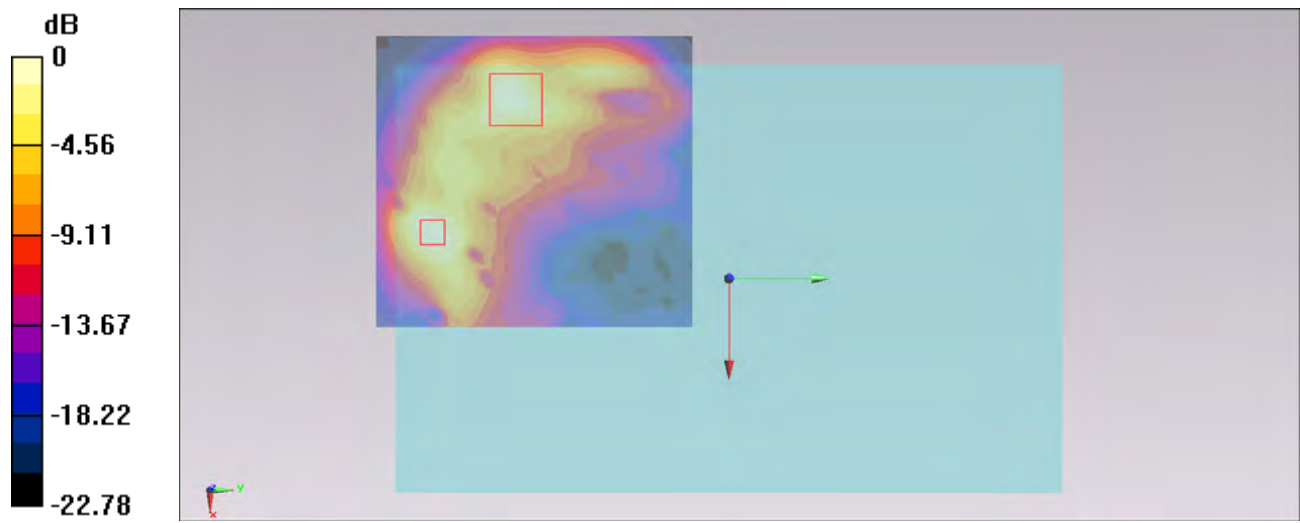
Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

- ⌘ Probe: EX3DV4 - SN3792; ConvF(7.29, 7.29, 7.29); Calibrated: 2012/6/21;
 - ⌘ Sensor-Surface: 2mm (Mechanical Surface Detection)
 - ⌘ Electronics: DAE4 Sn1338; Calibrated: 2012/6/12
 - ⌘ Phantom: ELI 4.0_Front; Type: QDOVA001BB; Serial: 1029
 - ⌘ Measurement SW: DASYS2, Version 52.8 (3)
-

Multi Band Result:

SAR(1 g) = 1.42 mW/g; SAR(10 g) = 0.669 mW/g

Maximum value of SAR (interpolated) = 2.82 mW/g



Test Laboratory: The name of your organization **Date:** 2013/1/24

#423_LTE Band 25_20M_QPSK 50RB 0offset_Bottom Face_0cm_Ch26590_Volume

DUT: 311703

Communication System: LTE; **Frequency:** 1905 MHz; **Duty Cycle:** 1:1

Medium: MSL_1900_130124 **Medium parameters used:** $f = 1905 \text{ MHz}$; $\sigma = 1.53 \text{ S/m}$; $\epsilon_r = 52.781$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

- ε Probe: EX3DV4 - SN3792; ConvF(7.29, 7.29, 7.29); Calibrated: 2012/6/21;
 - ε Sensor-Surface: 2mm (Mechanical Surface Detection)
 - ε Electronics: DAE4 Sn1338; Calibrated: 2012/6/12
 - ε Phantom: ELI 4.0_Front; Type: QDOVA001BB; Serial: 1029
 - ε Measurement SW: DASY52, Version 52.8 (3)
-

Test Laboratory: The name of your organization **Date/Time:** 2013/1/11

#31_WLAN2.4G_802.11b_Bottom Face_0cm_Ch1;Ant A_Volume

DUT: 770629

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

Medium: MSL_2450_130111 **Medium parameters used:** $f = 2412 \text{ MHz}$; $\sigma = 1.882 \text{ S/m}$; $\epsilon_r = 53.651$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

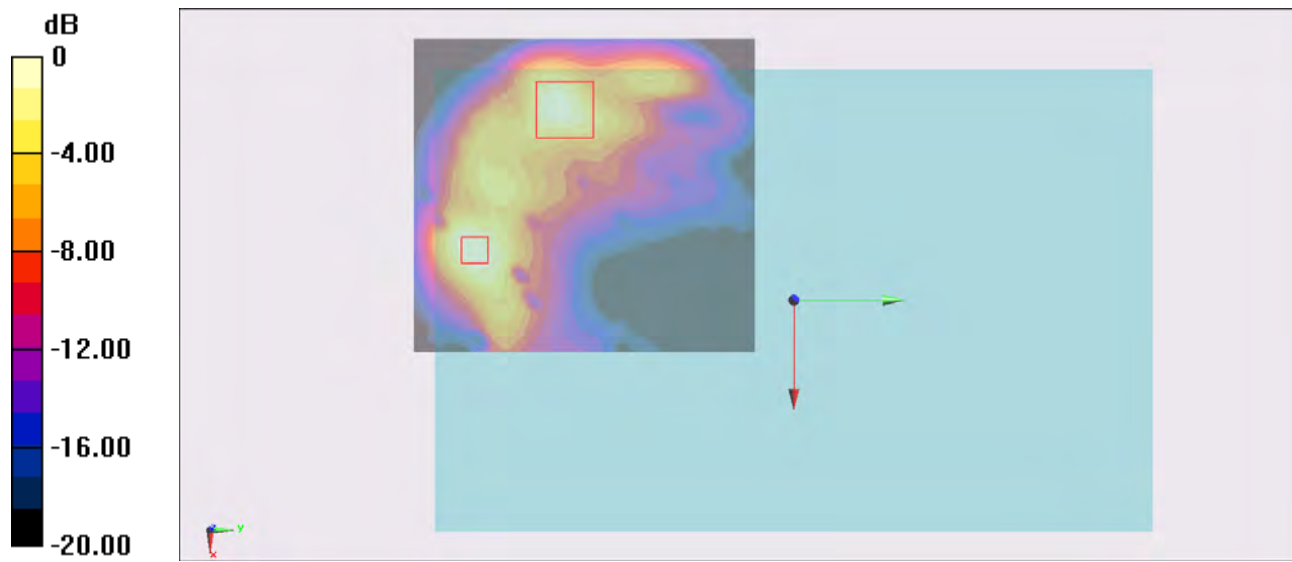
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

- ε Probe: EX3DV4 - SN3792; ConvF(7.1, 7.1, 7.1); Calibrated: 2012/6/21;
 - ε Sensor-Surface: 2mm (Mechanical Surface Detection)
 - ε Electronics: DAE4 Sn1338; Calibrated: 2012/6/12
 - ε Phantom: ELI 4.0_Front; Type: QDOVA001BB; Serial: 1029
 - ε Measurement SW: DASY52, Version 52.8 (3)
-

Multi Band Result:

SAR(1 g) = 1.41 W/kg; SAR(10 g) = 0.635 W/kg

Maximum value of SAR (interpolated) = 2.78 W/kg



0 dB = 2.78 W/kg = 4.44 dBW/kg