

#13_GSM850_GPRS (2 Tx slots)_Bottom Face_1cm_Ch128**DUT: 2N2103-01**

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

Medium: MSL_850_121217 Medium parameters used: $f = 824.2$ MHz; $\sigma = 0.952$ mho/m; $\epsilon_r = 54.662$; ρ

$= 1000$ kg/m³

Ambient Temperature : 22.4 °C; Liquid Temperature : 21.4 °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/Ch128/Area Scan (81x91x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.648 mW/g

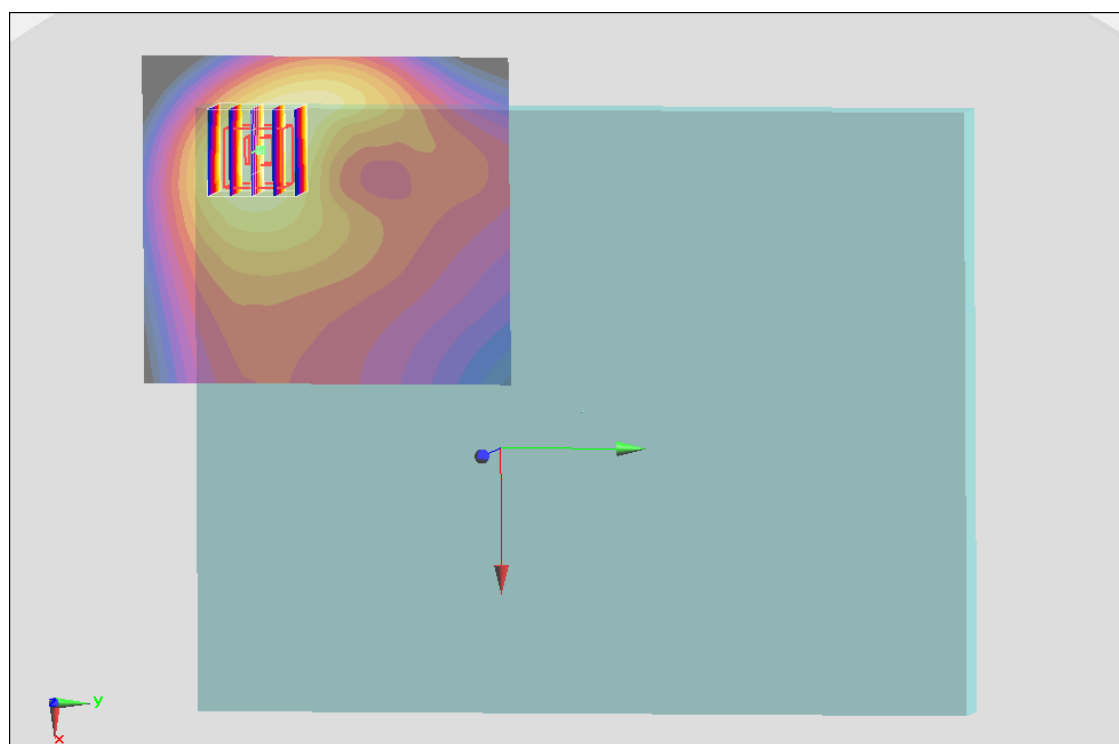
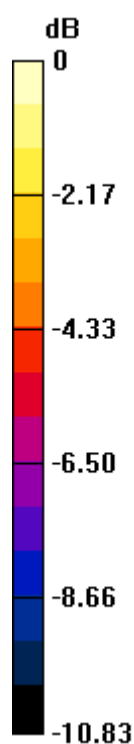
Configuration/Ch128/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 27.038 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 0.805 mW/g

SAR(1 g) = 0.592 mW/g; SAR(10 g) = 0.404 mW/g

Maximum value of SAR (measured) = 0.635 mW/g



0 dB = 0.635 mW/g = -3.94 dB mW/g

#14_GSM850_GPRS (2 Tx slots)_Bottom Face_1cm_Ch189**DUT: 2N2103-01**

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

Medium: MSL_850_121217 Medium parameters used: $f = 836.4$ MHz; $\sigma = 0.964$ mho/m; $\epsilon_r = 54.526$; ρ

$= 1000$ kg/m³

Ambient Temperature : 22.4 °C ; Liquid Temperature : 21.4 °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/Ch189/Area Scan (81x91x1): Measurement grid: dx=15mm, dy=15mm

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

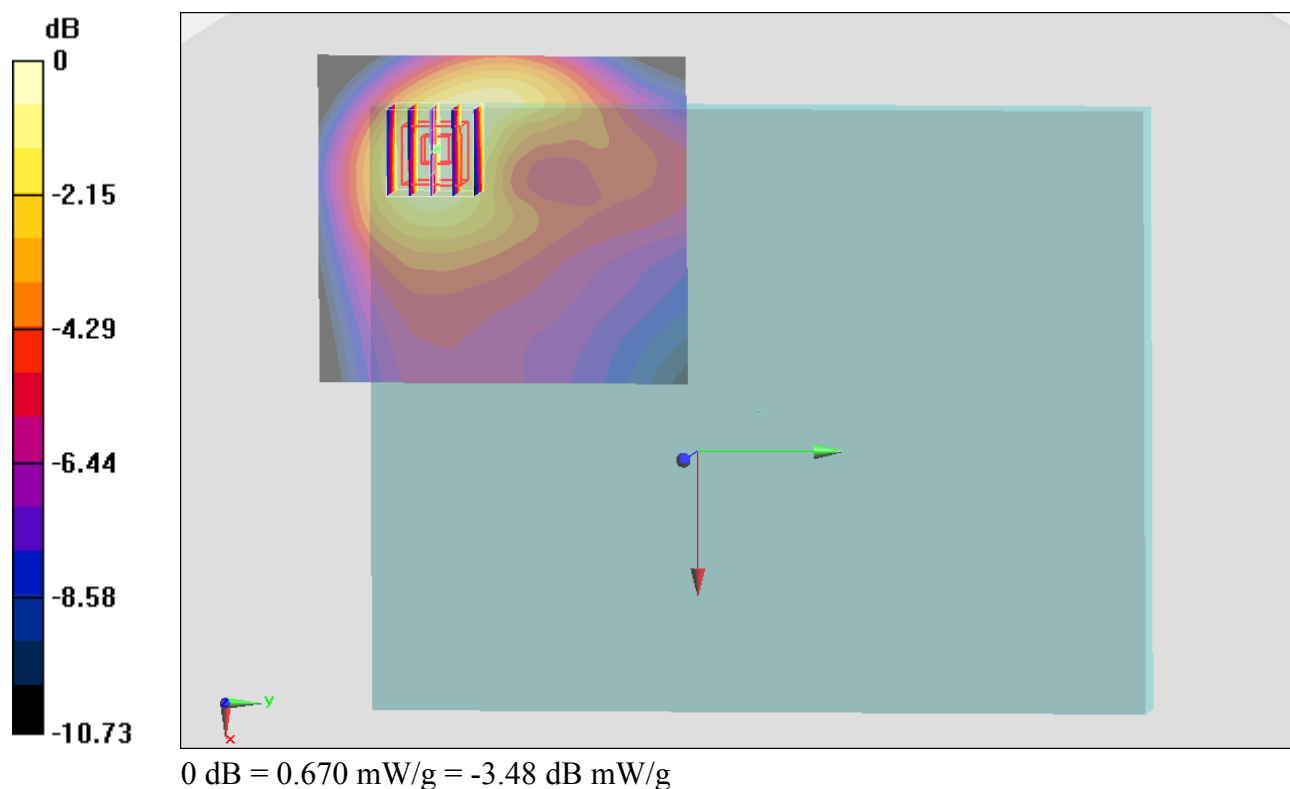
Configuration/Ch189/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 27.447 V/m; Power Drift = 0.17 dB

Peak SAR (extrapolated) = 0.852 mW/g

SAR(1 g) = 0.624 mW/g; SAR(10 g) = 0.424 mW/g

Maximum value of SAR (measured) = 0.670 mW/g



#15_GSM850_GPRS (2 Tx slots)_Bottom Face_1cm_Ch251**DUT: 2N2103-01**

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

Medium: MSL_850_121217 Medium parameters used: $f = 849$ MHz; $\sigma = 0.976$ mho/m; $\epsilon_r = 54.414$; $\rho =$

1000 kg/m^3

Ambient Temperature : 22.4°C ; Liquid Temperature : 21.4°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/Ch251/Area Scan (81x91x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Maximum value of SAR (interpolated) = 0.792 mW/g

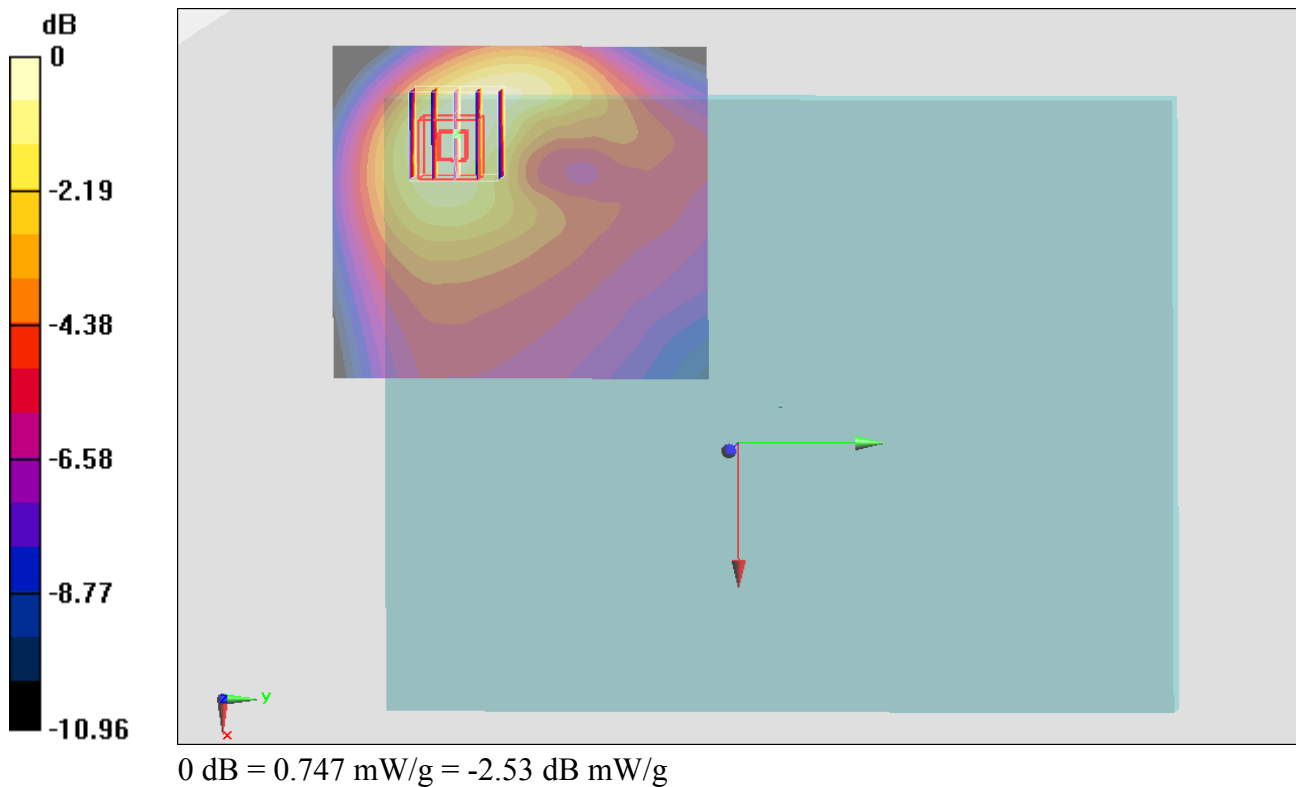
Configuration/Ch251/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 29.786 V/m ; Power Drift = -0.10 dB

Peak SAR (extrapolated) = 0.922 mW/g

SAR(1 g) = 0.697 mW/g ; SAR(10 g) = 0.471 mW/g

Maximum value of SAR (measured) = 0.747 mW/g



#01_GSM850_GPRS (2 Tx slots)_Bottom Face_0cm_Ch189**DUT: 2N2103-01**

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

Medium: MSL_850_121217 Medium parameters used : $f = 836.4$ MHz; $\sigma = 0.964$ mho/m; $\epsilon_r = 54.526$; $\rho =$

1000 kg/m^3

Ambient Temperature : 22.4°C ; Liquid Temperature : 21.4°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/Ch189/Area Scan (81x91x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Maximum value of SAR (interpolated) = 0.991 mW/g

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

Reference Value = 32.187 V/m ; Power Drift = 0.14 dB

Peak SAR (extrapolated) = 1.486 mW/g

SAR(1 g) = 0.953 mW/g ; SAR(10 g) = 0.601 mW/g

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

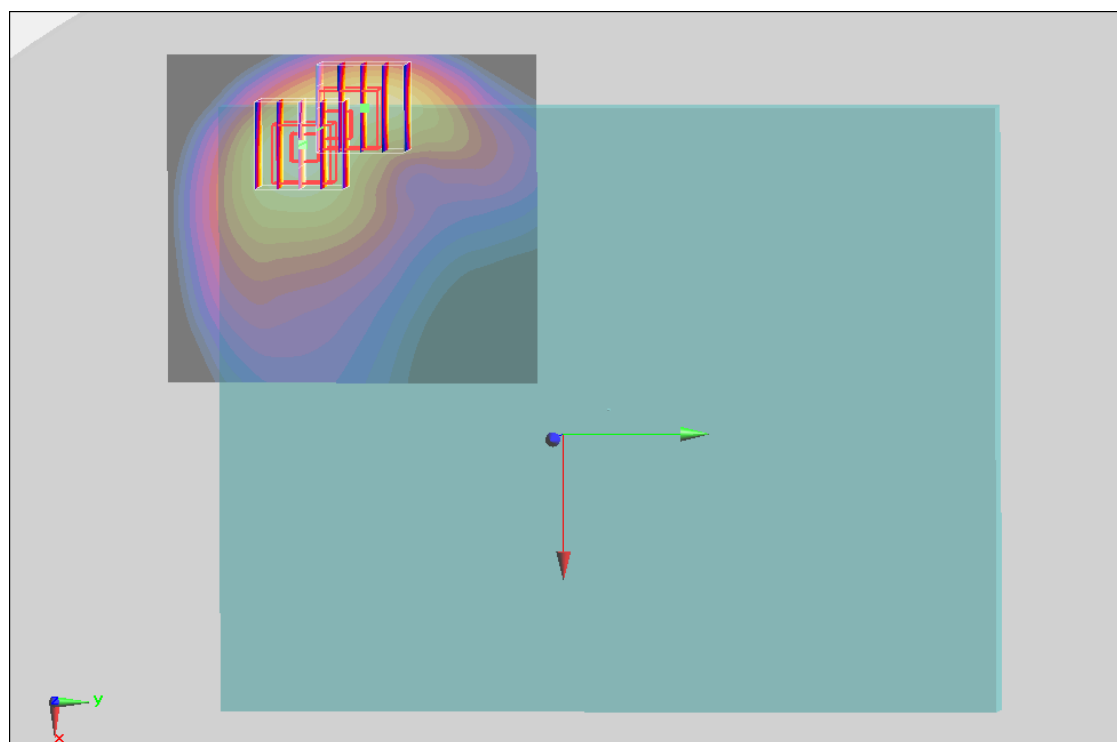
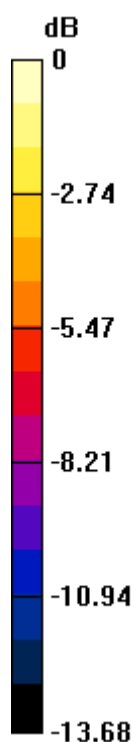
Configuration/Ch189/Zoom Scan (5x5x7)/Cube 1: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 32.187 V/m ; Power Drift = 0.14 dB

Peak SAR (extrapolated) = 1.439 mW/g

SAR(1 g) = 0.864 mW/g ; SAR(10 g) = 0.518 mW/g

Maximum value of SAR (measured) = 0.973 mW/g



0 dB = 0.973 mW/g = -0.24 dB mW/g

#02_GSM850_GPRS (2 Tx slots)_Bottom Face_0cm_Ch128**DUT: 2N2103-01**

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

Medium: MSL_850_121217 Medium parameters used : $f = 824.2$ MHz; $\sigma = 0.952$ mho/m; $\epsilon_r = 54.662$; $\rho =$

1000 kg/m^3

Ambient Temperature : 22.4°C ; Liquid Temperature : 21.4°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/Ch128/Area Scan (81x91x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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

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

Reference Value = 33.227 V/m ; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 1.399 mW/g

SAR(1 g) = 0.895 mW/g ; SAR(10 g) = 0.567 mW/g

Maximum value of SAR (measured) = 0.981 mW/g

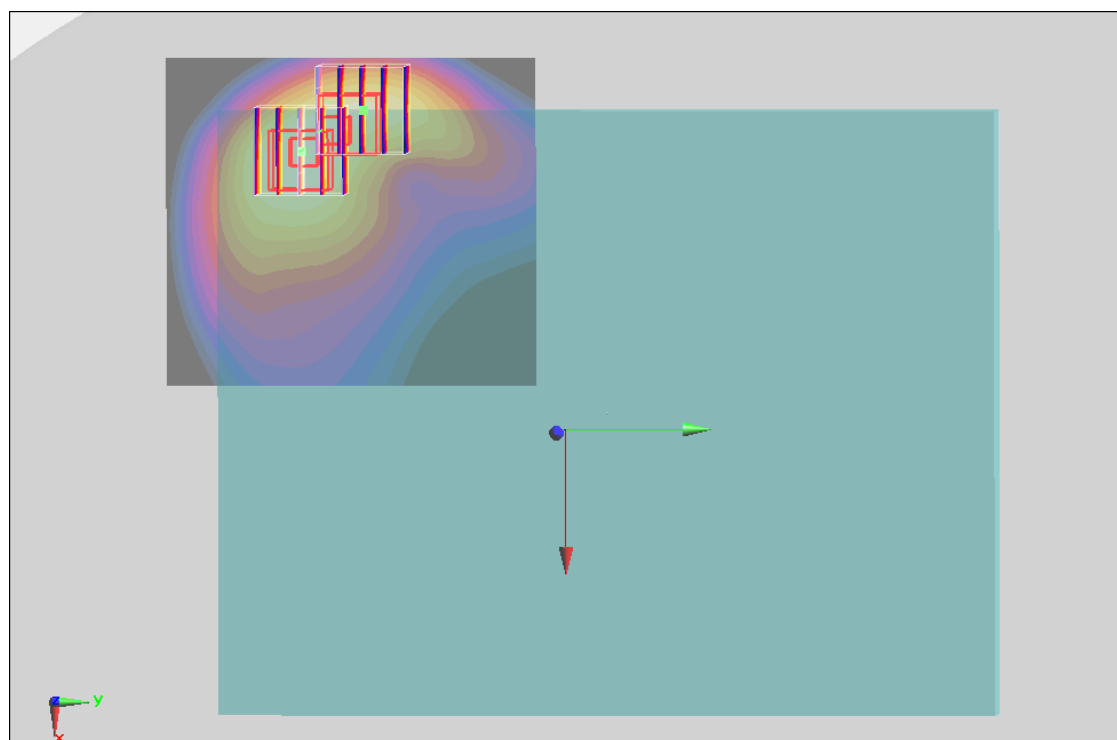
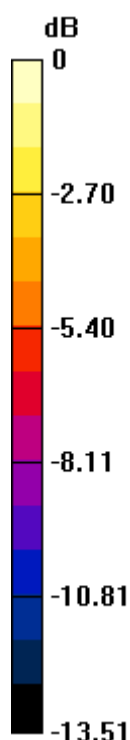
Configuration/Ch128/Zoom Scan (5x5x7)/Cube 1: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 33.227 V/m ; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 1.349 mW/g

SAR(1 g) = 0.800 mW/g ; SAR(10 g) = 0.475 mW/g

Maximum value of SAR (measured) = 0.904 mW/g



0 dB = 0.904 mW/g = -0.88 dB mW/g

#03_GSM850_GPRS (2 Tx slots)_Bottom Face_0cm_Ch251**DUT: 2N2103-01**

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

Medium: MSL_850_121217 Medium parameters used: $f = 849$ MHz; $\sigma = 0.976$ mho/m; $\epsilon_r = 54.414$; $\rho =$

1000 kg/m^3

Ambient Temperature : 22.4°C ; Liquid Temperature : 21.4°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/Ch251/Area Scan (81x91x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Maximum value of SAR (interpolated) = 1.00 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 = 33.097 V/m ; Power Drift = 0.07 dB

Peak SAR (extrapolated) = 1.423 mW/g

SAR(1 g) = 0.925 mW/g ; SAR(10 g) = 0.588 mW/g

Maximum value of SAR (measured) = 0.994 mW/g

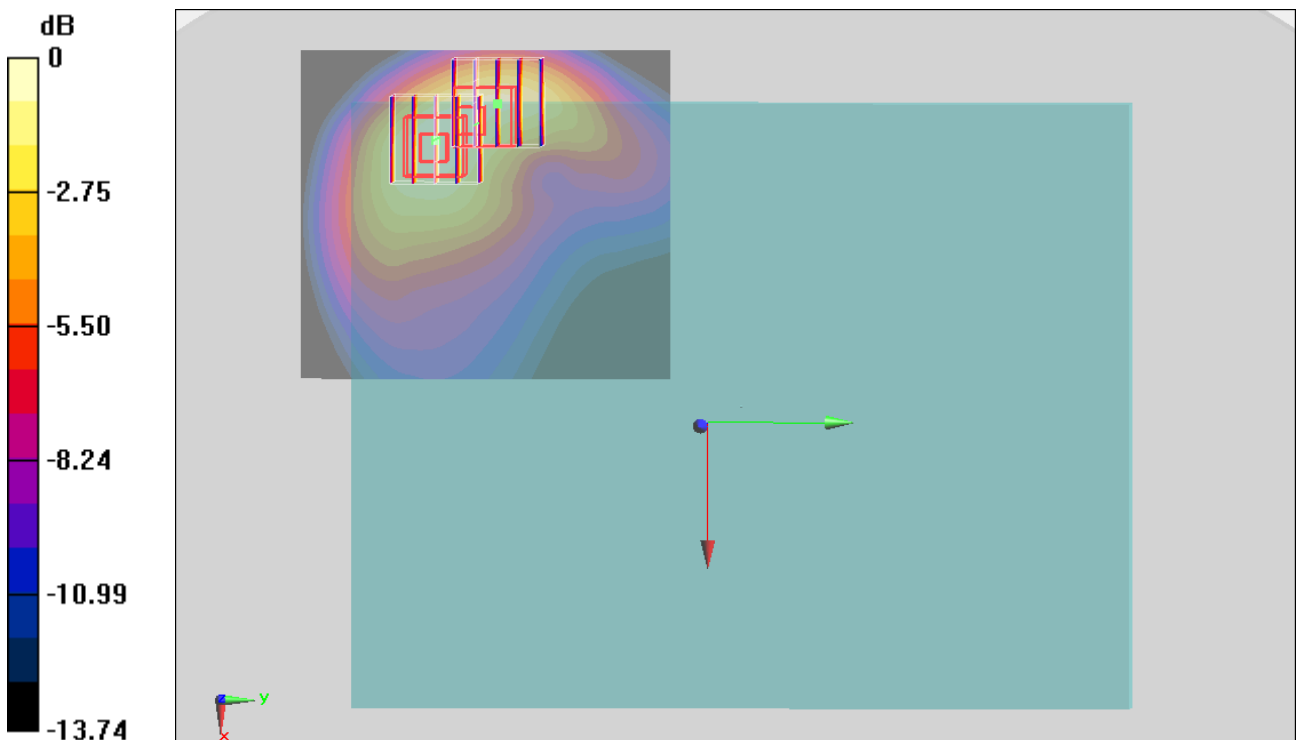
Configuration/Ch251/Zoom Scan (5x5x7)/Cube 1: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 33.097 V/m ; Power Drift = 0.07 dB

Peak SAR (extrapolated) = 1.398 mW/g

SAR(1 g) = 0.880 mW/g ; SAR(10 g) = 0.518 mW/g

Maximum value of SAR (measured) = 0.951 mW/g



0 dB = 0.951 mW/g = -0.44 dB mW/g

#03_GSM850_GPRS (2 Tx slots)_Bottom Face_0cm_Ch251_2D**DUT: 2N2103-01**

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

Medium: MSL_850_121217 Medium parameters used: $f = 849$ MHz; $\sigma = 0.976$ mho/m; $\epsilon_r = 54.414$; $\rho =$

1000 kg/m³

Ambient Temperature : 22.4 °C ; Liquid Temperature : 21.4 °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/Ch251/Area Scan (81x91x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 1.00 mW/g

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

Reference Value = 33.097 V/m; Power Drift = 0.07 dB

Peak SAR (extrapolated) = 1.423 mW/g

SAR(1 g) = 0.925 mW/g; SAR(10 g) = 0.588 mW/g

Maximum value of SAR (measured) = 0.994 mW/g

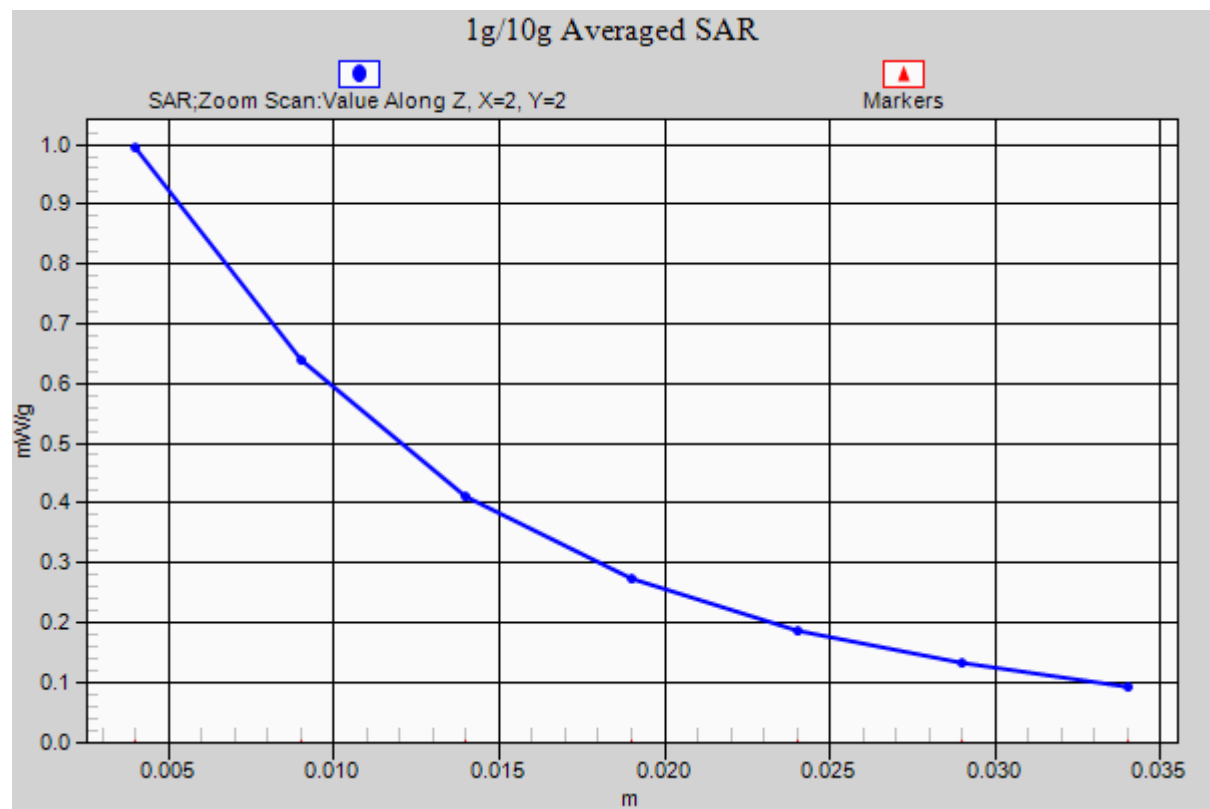
Configuration/Ch251/Zoom Scan (5x5x7)/Cube 1: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 33.097 V/m; Power Drift = 0.07 dB

Peak SAR (extrapolated) = 1.398 mW/g

SAR(1 g) = 0.880 mW/g; SAR(10 g) = 0.518 mW/g

Maximum value of SAR (measured) = 0.951 mW/g



#57_GSM850_GPRS (2 Tx slots)_Bottom Face_0cm_Ch251_Repeat**DUT: 2N2103-01**

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

Medium: MSL_850_121217 Medium parameters used: $f = 849$ MHz; $\sigma = 0.976$ mho/m; $\epsilon_r = 54.414$; $\rho =$

1000 kg/m^3

Ambient Temperature : 22.4°C ; Liquid Temperature : 21.4°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/Ch251/Area Scan (81x91x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Maximum value of SAR (interpolated) = 1.05 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 = 34.878 V/m ; Power Drift = -0.17 dB

Peak SAR (extrapolated) = 1.432 mW/g

SAR(1 g) = 0.914 mW/g ; SAR(10 g) = 0.575 mW/g

Maximum value of SAR (measured) = 1.00 mW/g

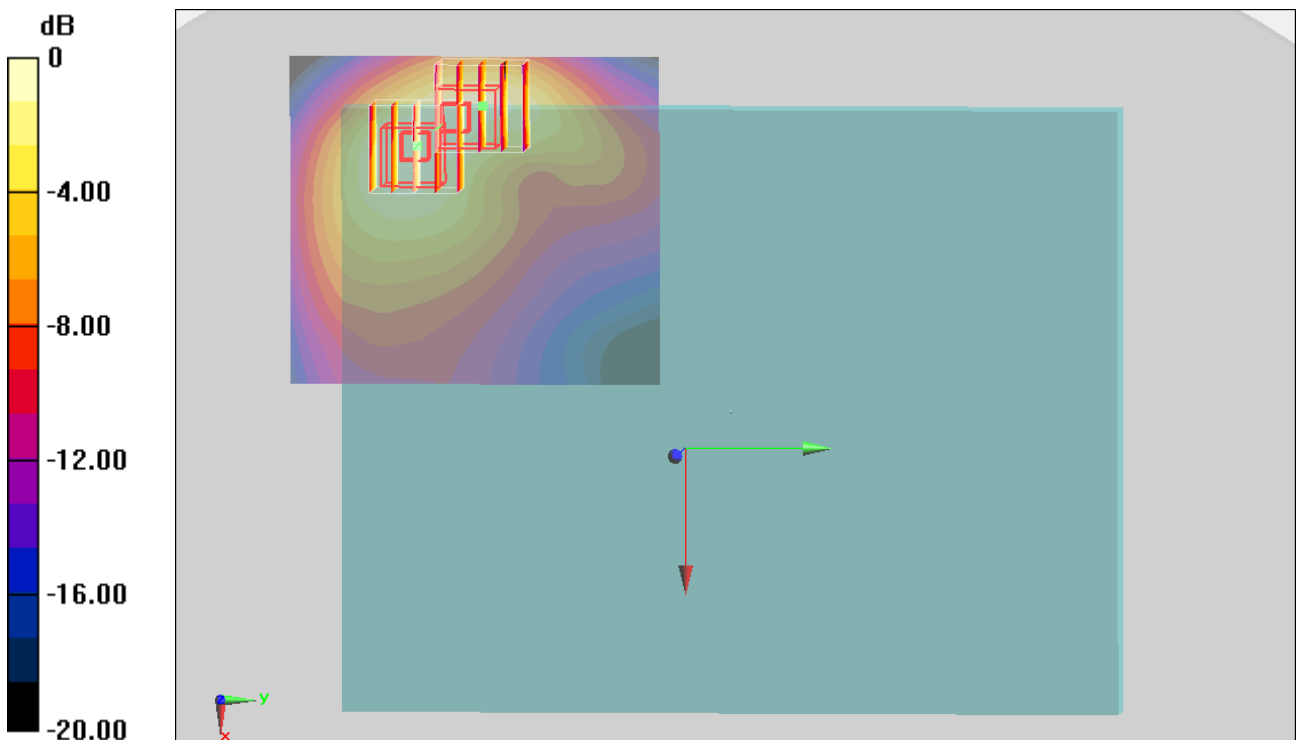
Configuration/Ch251/Zoom Scan (5x5x7)/Cube 1: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 34.878 V/m ; Power Drift = -0.17 dB

Peak SAR (extrapolated) = 1.359 mW/g

SAR(1 g) = 0.847 mW/g ; SAR(10 g) = 0.507 mW/g

Maximum value of SAR (measured) = 0.933 mW/g



#04_GSM850_GPRS (2 Tx slots)_Edge 3_0cm_Ch189**DUT: 2N2103-01**

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

Medium: MSL_850_121217 Medium parameters used : $f = 836.4$ MHz; $\sigma = 0.964$ mho/m; $\epsilon_r = 54.526$; ρ

$= 1000$ kg/m³

Ambient Temperature : 22.4 °C ; Liquid Temperature : 21.4 °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/Ch189/Area Scan (41x211x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.871 mW/g

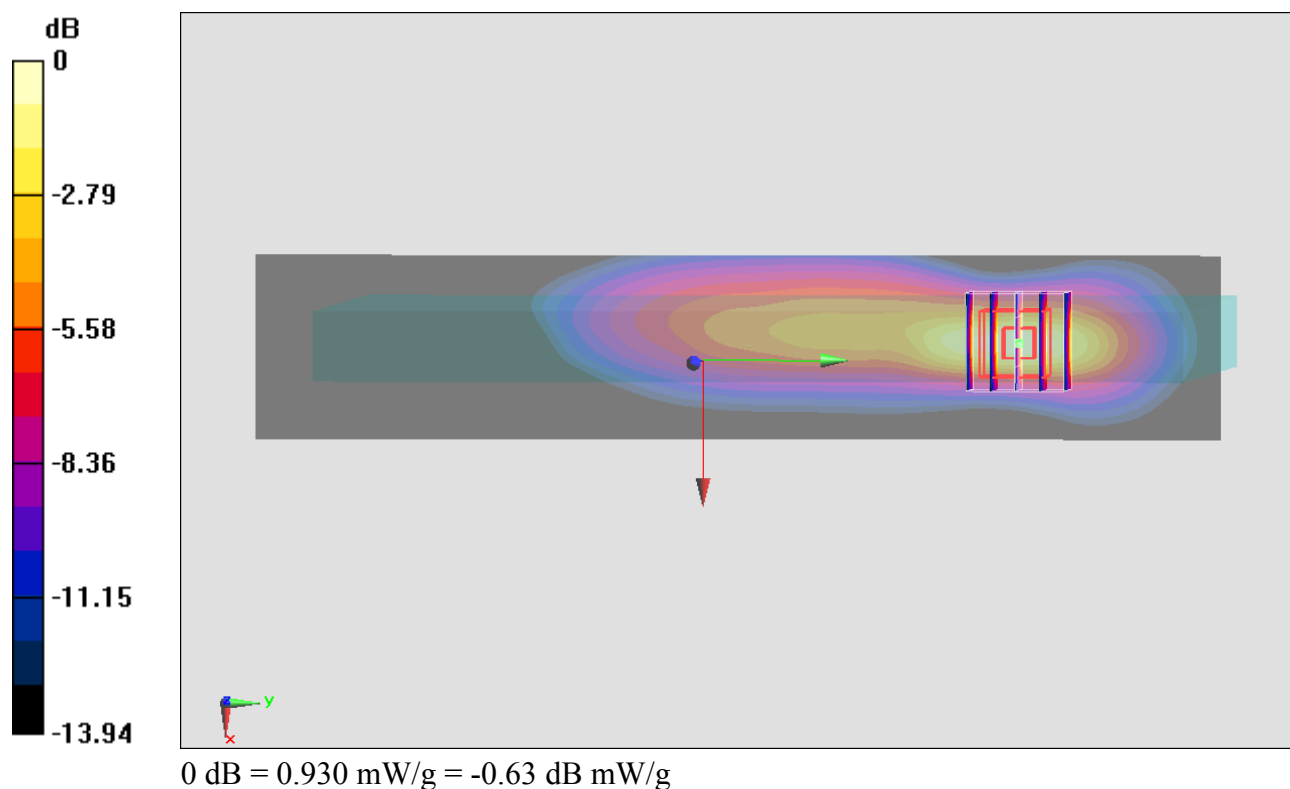
Configuration/Ch189/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 31.089 V/m; Power Drift = 0.168 dB

Peak SAR (extrapolated) = 1.472 mW/g

SAR(1 g) = 0.812 mW/g; SAR(10 g) = 0.426 mW/g

Maximum value of SAR (measured) = 0.930 mW/g



#05_GSM850_GPRS (2 Tx slots)_Edge 3_0cm_Ch128**DUT: 2N2103-01**

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

Medium: MSL_850_121217 Medium parameters used : $f = 824.2$ MHz; $\sigma = 0.952$ mho/m; $\epsilon_r = 54.662$; ρ

$= 1000$ kg/m³

Ambient Temperature : 22.4 °C; Liquid Temperature : 21.4 °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/Ch128/Area Scan (41x211x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.795 mW/g

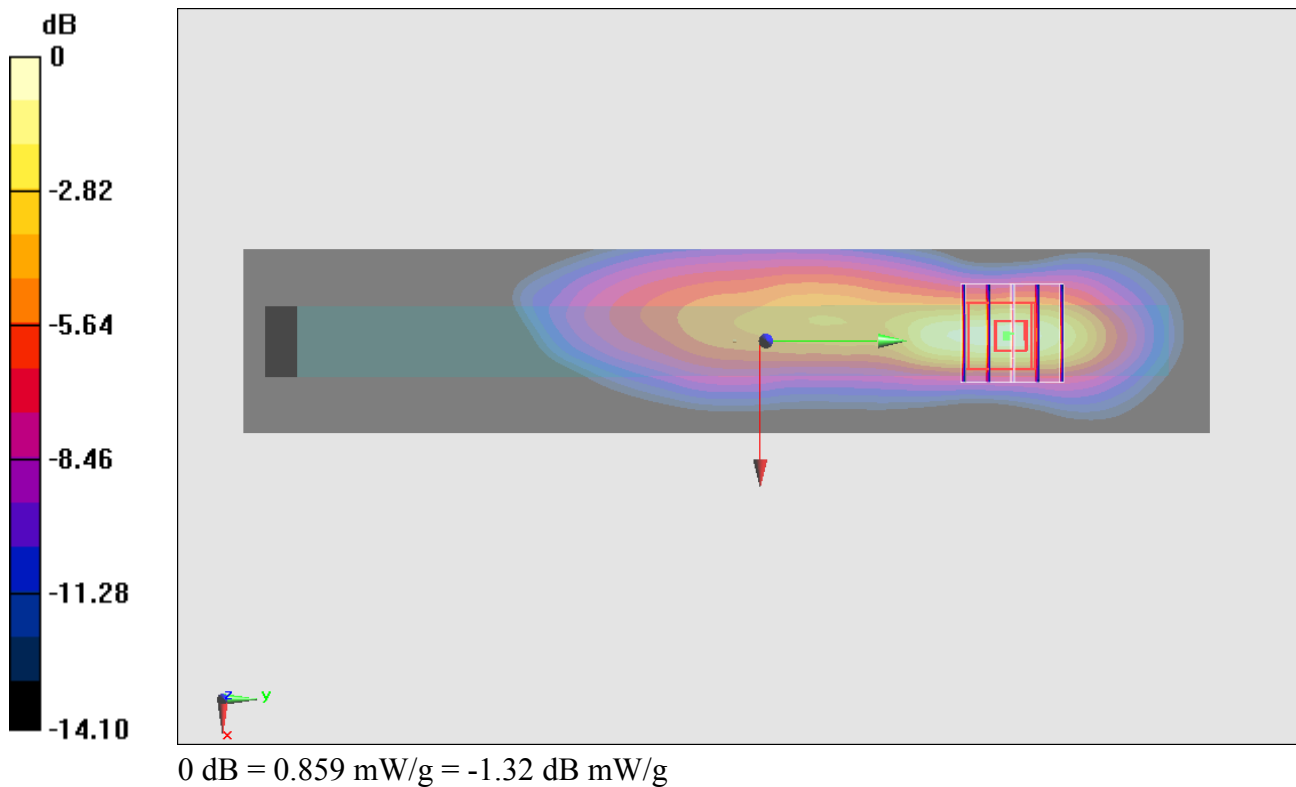
Configuration/Ch128/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 30.139 V/m; Power Drift = 0.153 dB

Peak SAR (extrapolated) = 1.288 mW/g

SAR(1 g) = 0.713 mW/g; SAR(10 g) = 0.374 mW/g

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



#06_GSM850_GPRS (2 Tx slots)_Edge 3_0cm_Ch251**DUT: 2N2103-01**

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

Medium: MSL_850_121217 Medium parameters used: $f = 849$ MHz; $\sigma = 0.976$ mho/m; $\epsilon_r = 54.414$; $\rho =$

1000 kg/m^3

Ambient Temperature : 22.4°C ; Liquid Temperature : 21.4°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/Ch251/Area Scan (41x211x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Maximum value of SAR (interpolated) = 0.930 mW/g

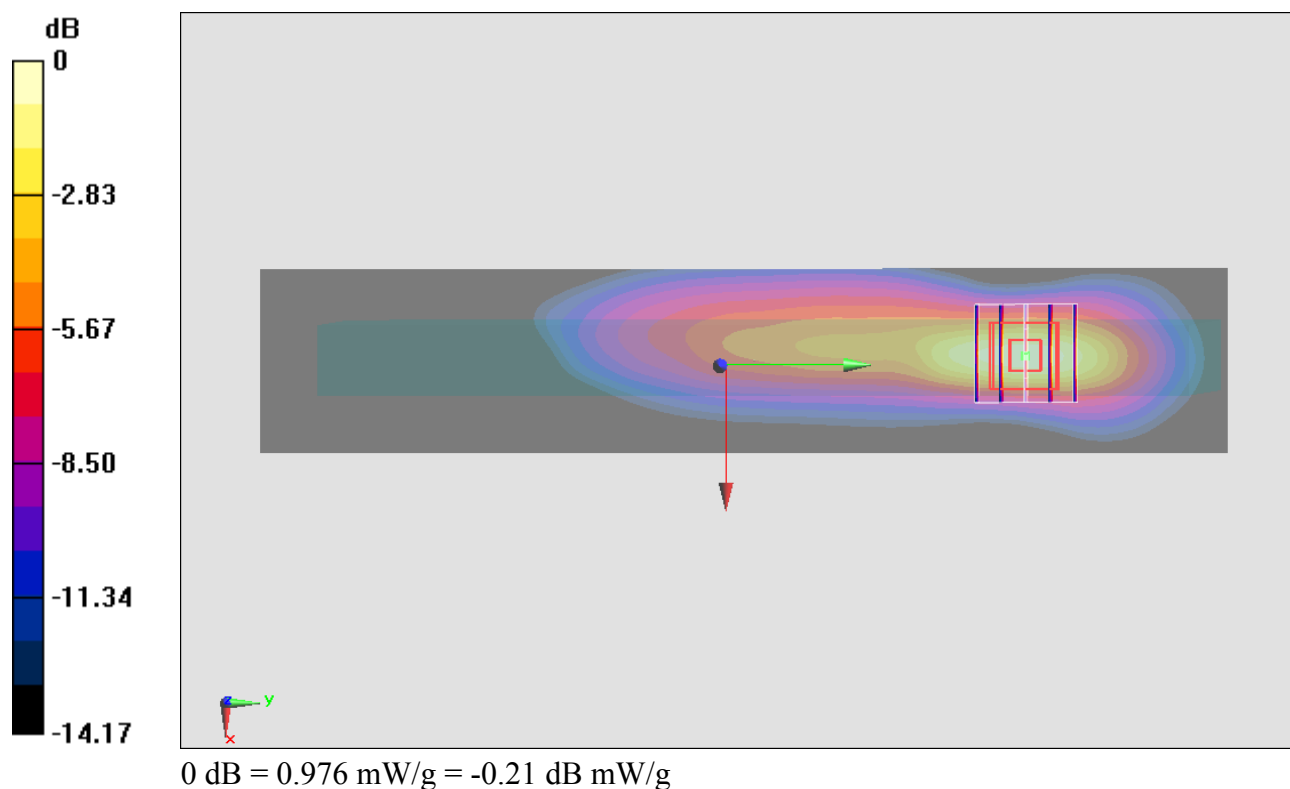
Configuration/Ch251/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 32.286 V/m ; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 1.535 mW/g

SAR(1 g) = 0.842 mW/g ; SAR(10 g) = 0.436 mW/g

Maximum value of SAR (measured) = 0.976 mW/g



#07_GSM850_GPRS (2 Tx slots)_Edge 4_0cm_Ch189**DUT: 2N2103-01**

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

Medium: MSL_850_121217 Medium parameters used : $f = 836.4$ MHz; $\sigma = 0.964$ mho/m; $\epsilon_r = 54.526$; ρ

$= 1000$ kg/m³

Ambient Temperature : 22.4 °C ; Liquid Temperature : 21.4 °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/Ch189/Area Scan (51x161x1): Measurement grid: dx=15mm, dy=15mm

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

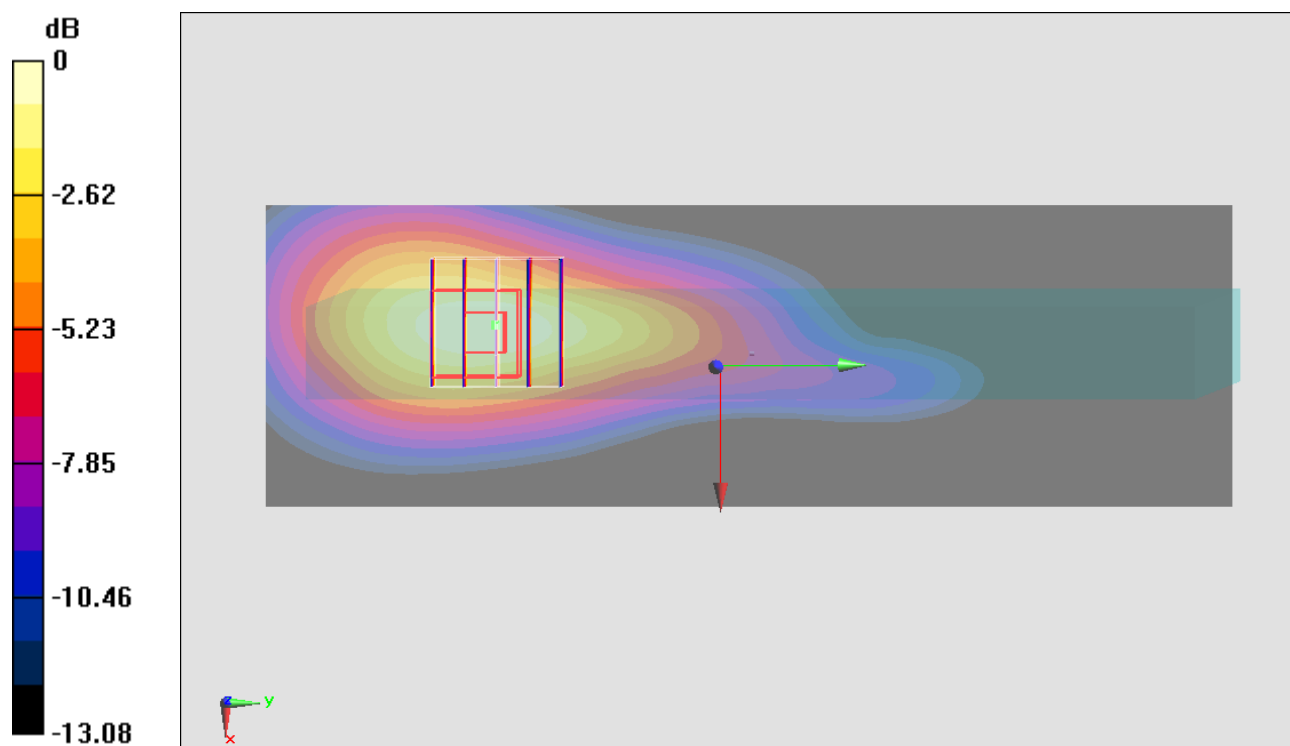
Configuration/Ch189/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 25.595 V/m; Power Drift = 0.142 dB

Peak SAR (extrapolated) = 1.067 mW/g

SAR(1 g) = 0.557 mW/g; SAR(10 g) = 0.322 mW/g

Maximum value of SAR (measured) = 0.603 mW/g



0 dB = 0.603 mW/g = -4.39 dB mW/g

#08_GSM850_GPRS (2 Tx slots)_Edge 4_0cm_Ch128**DUT: 2N2103-01**

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

Medium: MSL_850_121217 Medium parameters used : $f = 824.2$ MHz; $\sigma = 0.952$ mho/m; $\epsilon_r = 54.662$; ρ

$= 1000$ kg/m³

Ambient Temperature : 22.4 °C ; Liquid Temperature : 21.4 °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/Ch128/Area Scan (51x161x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.660 mW/g

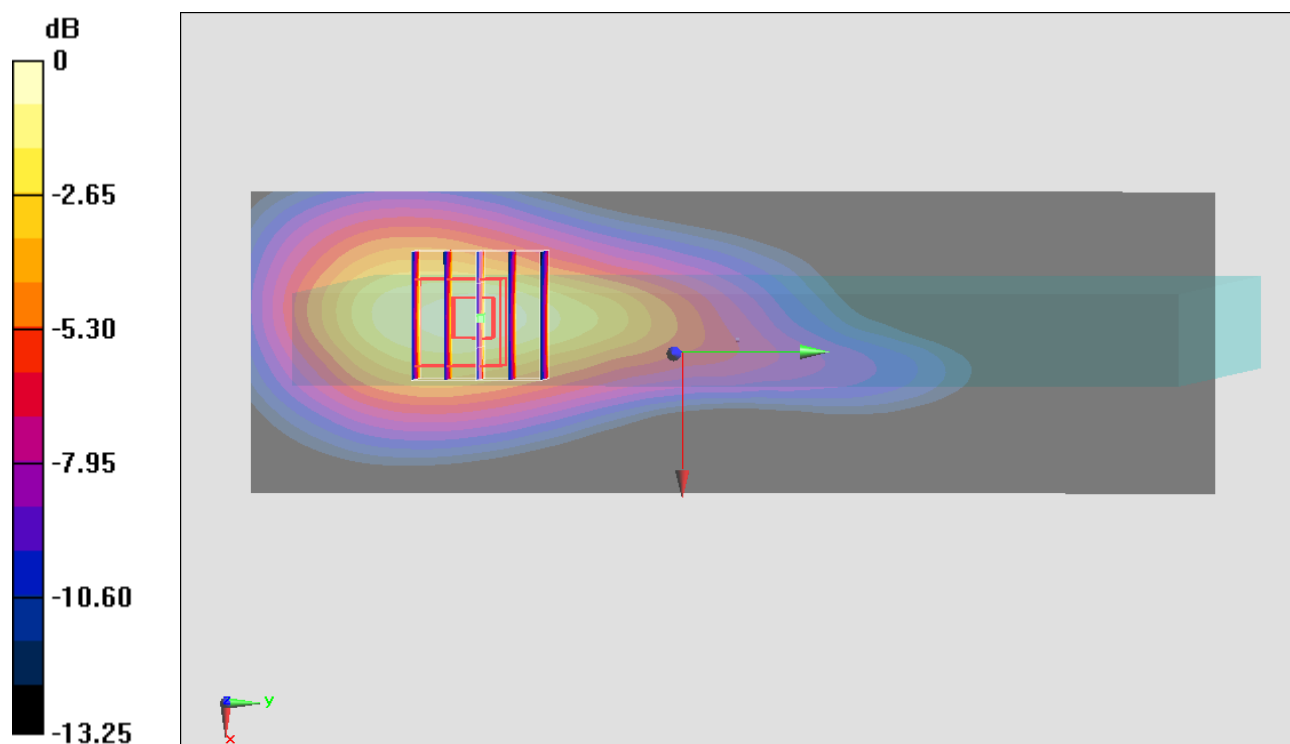
Configuration/Ch128/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 27.794 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 1.152 mW/g

SAR(1 g) = 0.569 mW/g; SAR(10 g) = 0.320 mW/g

Maximum value of SAR (measured) = 0.662 mW/g



0 dB = 0.662 mW/g = -3.58 dB mW/g

#09_GSM850_GPRS (2 Tx slots)_Edge 4_0cm_Ch251**DUT: 2N2103-01**

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

Medium: MSL_850_121217 Medium parameters used: $f = 849$ MHz; $\sigma = 0.976$ mho/m; $\epsilon_r = 54.414$; $\rho =$

1000 kg/m^3

Ambient Temperature : 22.4°C ; Liquid Temperature : 21.4°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/Ch251/Area Scan (51x161x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Maximum value of SAR (interpolated) = 0.577 mW/g

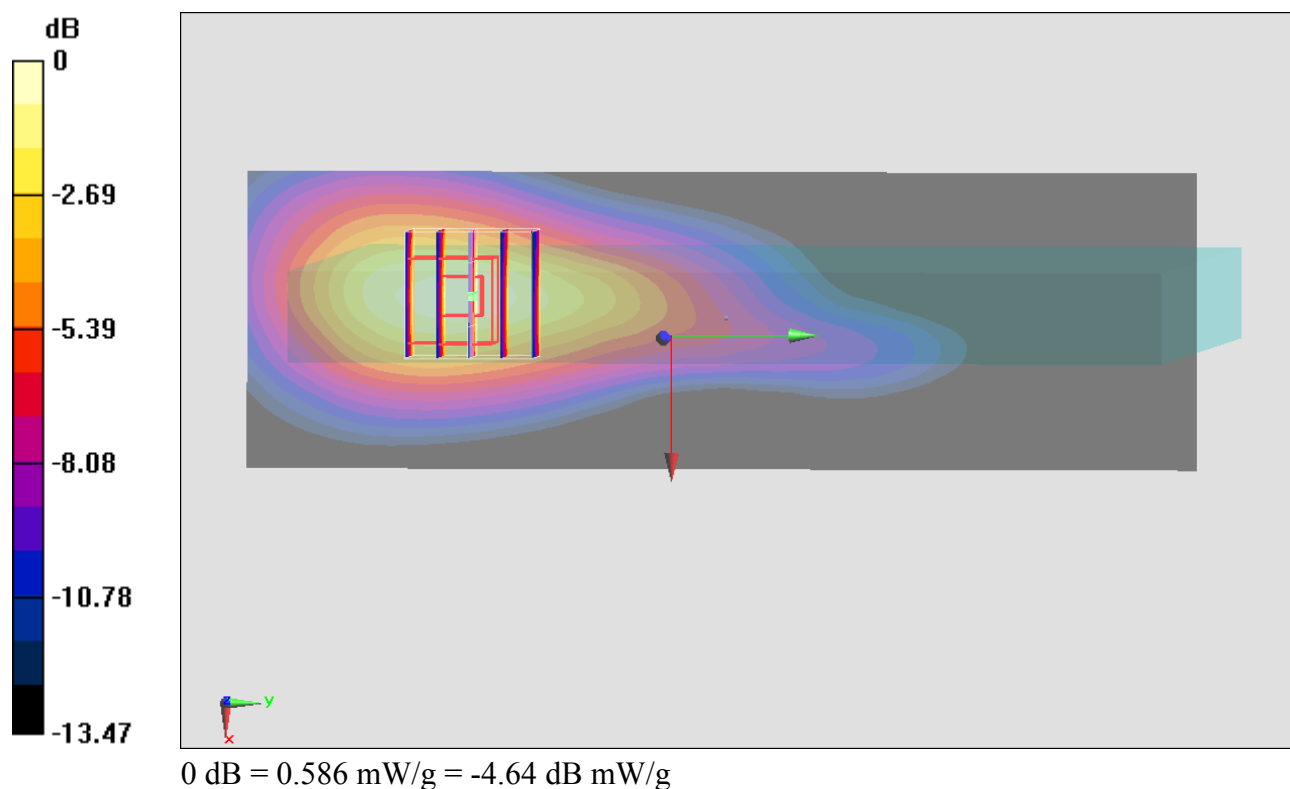
Configuration/Ch251/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 26.771 V/m ; Power Drift = -0.131 dB

Peak SAR (extrapolated) = 0.994 mW/g

SAR(1 g) = 0.511 mW/g ; SAR(10 g) = 0.292 mW/g

Maximum value of SAR (measured) = 0.586 mW/g



#10_GSM850_GPRS (2 Tx slots)_Bottom_0cm_Ch189**DUT: 2N2103-01**

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

Medium: MSL_850_121217 Medium parameters used : $f = 836.4$ MHz; $\sigma = 0.964$ mho/m; $\epsilon_r = 54.526$; ρ

$= 1000$ kg/m³

Ambient Temperature : 22.4 °C ; Liquid Temperature : 21.4 °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/Ch189/Area Scan (81x101x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.938 mW/g

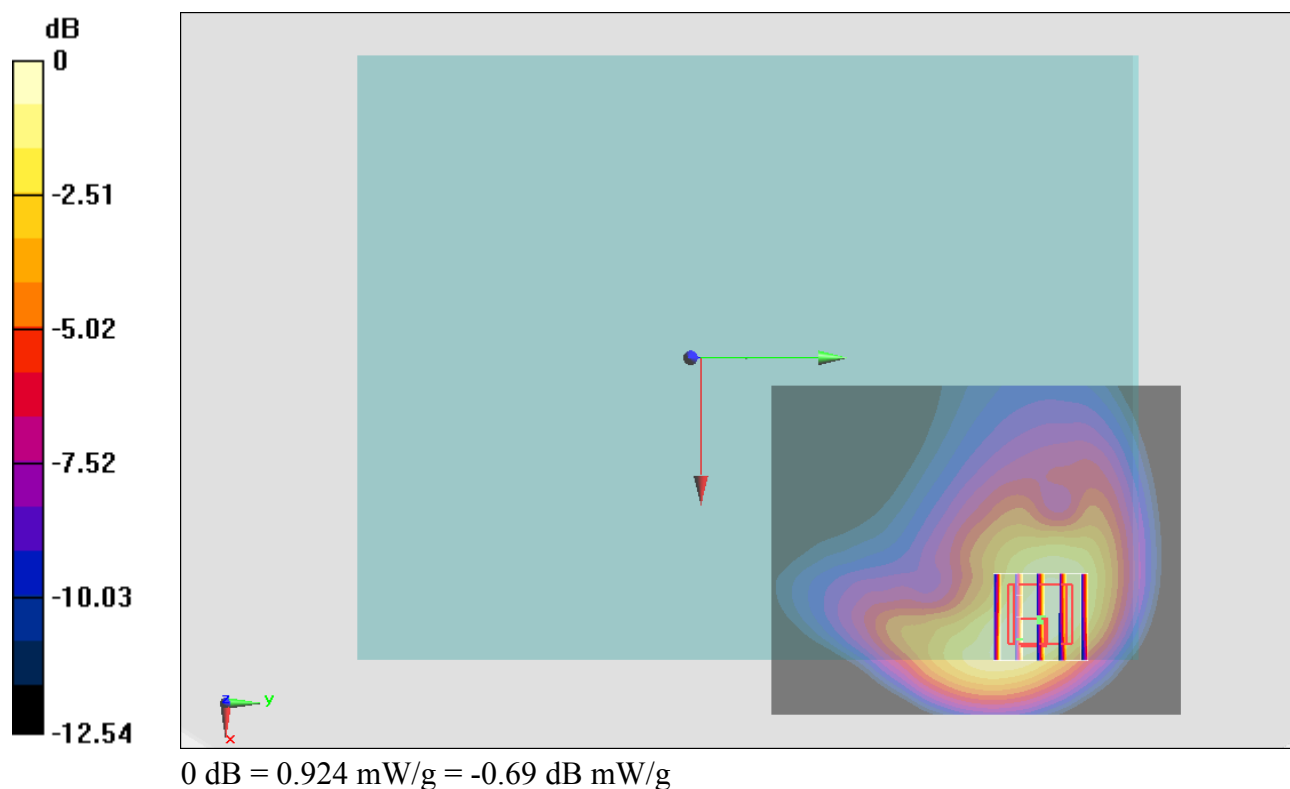
Configuration/Ch189/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 31.608 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 1.331 mW/g

SAR(1 g) = 0.838 mW/g; SAR(10 g) = 0.533 mW/g

Maximum value of SAR (measured) = 0.924 mW/g



#11_GSM850_GPRS (2 Tx slots)_Bottom_0cm_Ch128**DUT: 2N2103-01**

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

Medium: MSL_850_121217 Medium parameters used : $f = 824.2$ MHz; $\sigma = 0.952$ mho/m; $\epsilon_r = 54.662$; ρ

$= 1000$ kg/m³

Ambient Temperature : 22.4 °C ; Liquid Temperature : 21.4 °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/Ch128/Area Scan (81x101x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.877 mW/g

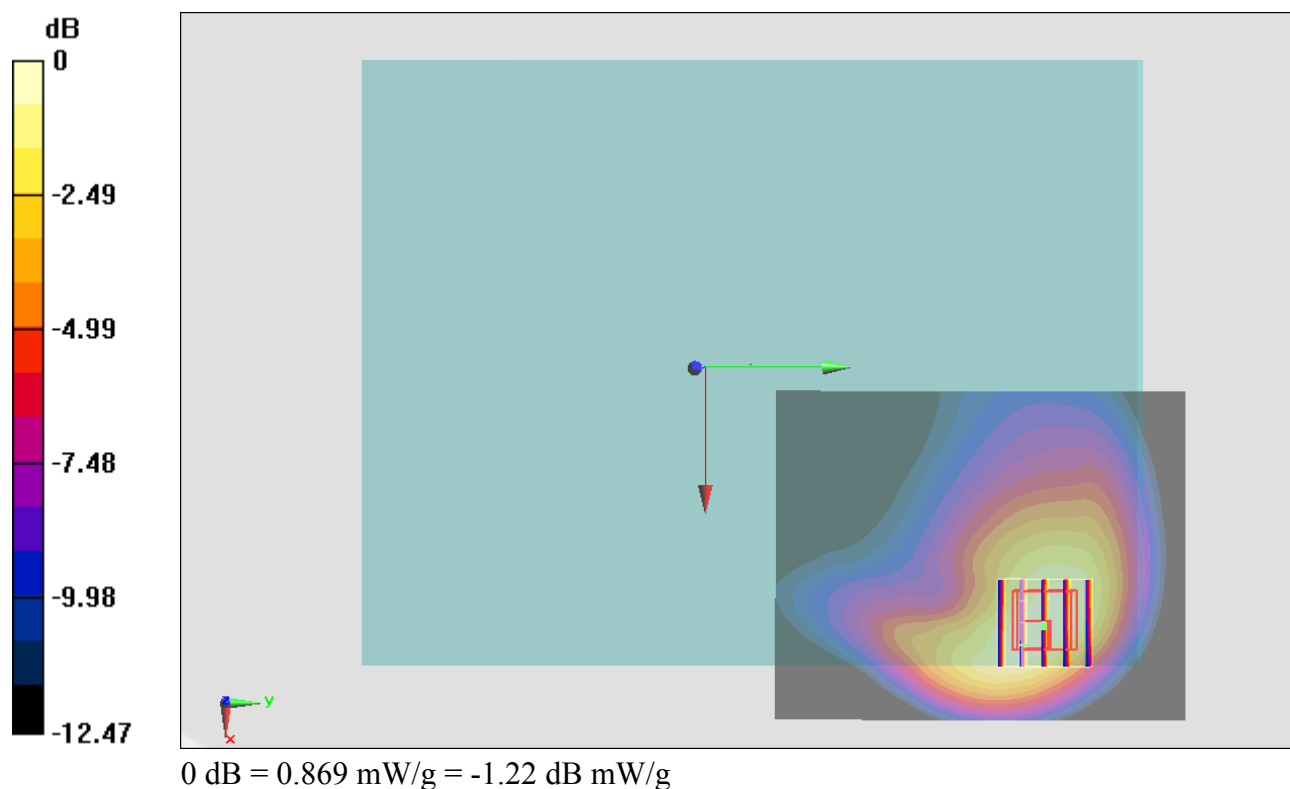
Configuration/Ch128/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 31.174 V/m; Power Drift = -0.07 dB

Peak SAR (extrapolated) = 1.253 mW/g

SAR(1 g) = 0.794 mW/g; SAR(10 g) = 0.507 mW/g

Maximum value of SAR (measured) = 0.869 mW/g



#12_GSM850_GPRS (2 Tx slots)_Bottom_0cm_Ch251**DUT: 2N2103-01**

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

Medium: MSL_850_121217 Medium parameters used: $f = 849$ MHz; $\sigma = 0.976$ mho/m; $\epsilon_r = 54.414$; $\rho =$

1000 kg/m^3

Ambient Temperature : 22.4°C ; Liquid Temperature : 21.4°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/Ch251/Area Scan (81x101x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Maximum value of SAR (interpolated) = 0.938 mW/g

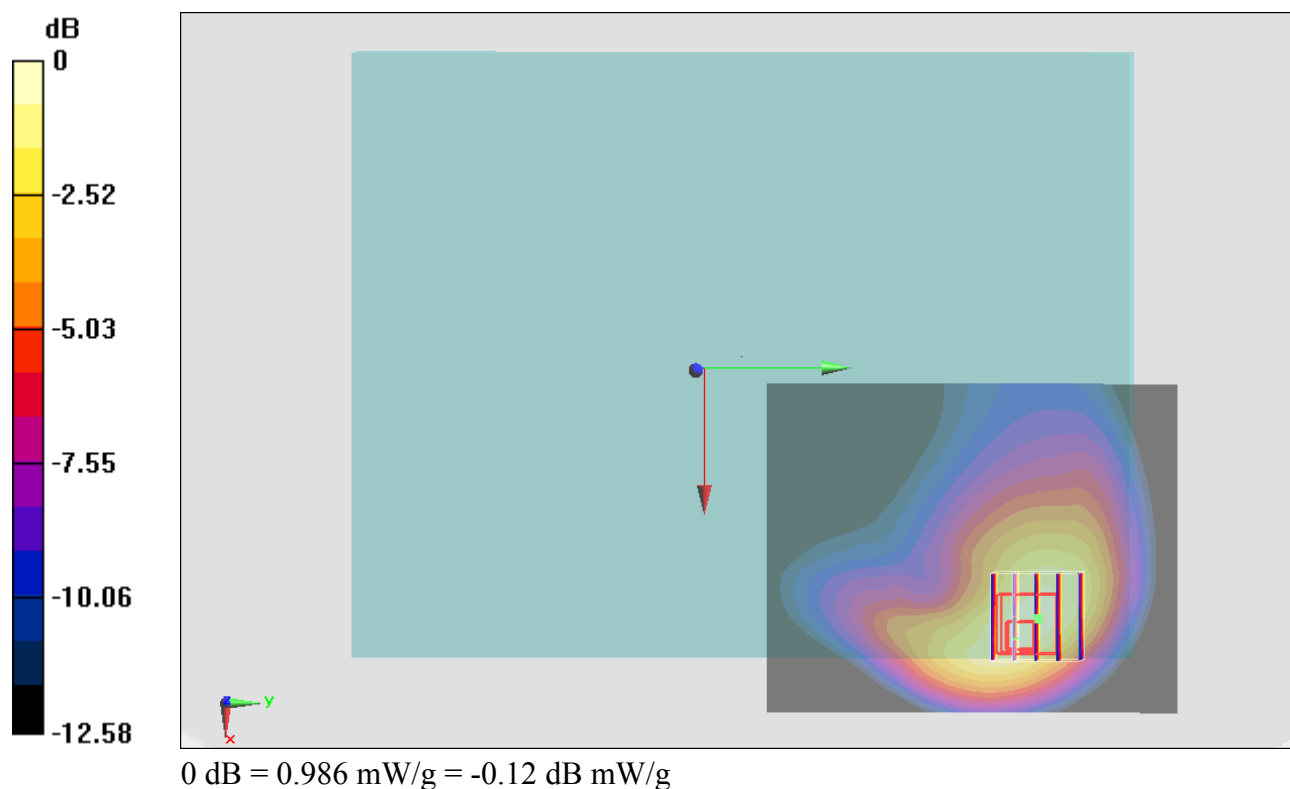
Configuration/Ch251/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 30.953 V/m ; Power Drift = 0.128 dB

Peak SAR (extrapolated) = 1.405 mW/g

SAR(1 g) = 0.886 mW/g ; SAR(10 g) = 0.550 mW/g

Maximum value of SAR (measured) = 0.986 mW/g



#84_GSM1900_GPRS (2 Tx slots)_Bottom Face_1cm_Ch512**DUT: 2N2103-01**

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

Medium: MSL_1900_121218 Medium parameters used : $f = 1850.2$ MHz; $\sigma = 1.481$ mho/m; $\epsilon_r = 53.436$;

$\rho = 1000$ kg/m³

Ambient Temperature : 22.6 °C ; Liquid Temperature : 21.6 °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 v5.0 Left; Type: QDOVA002AA; Serial: TP:1131
- Measurement SW: DASY52, Version 52.8 (3); SEMCAD X Version 14.6.5 (6469)

Configuration/Ch512/Area Scan (81x91x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.627 mW/g

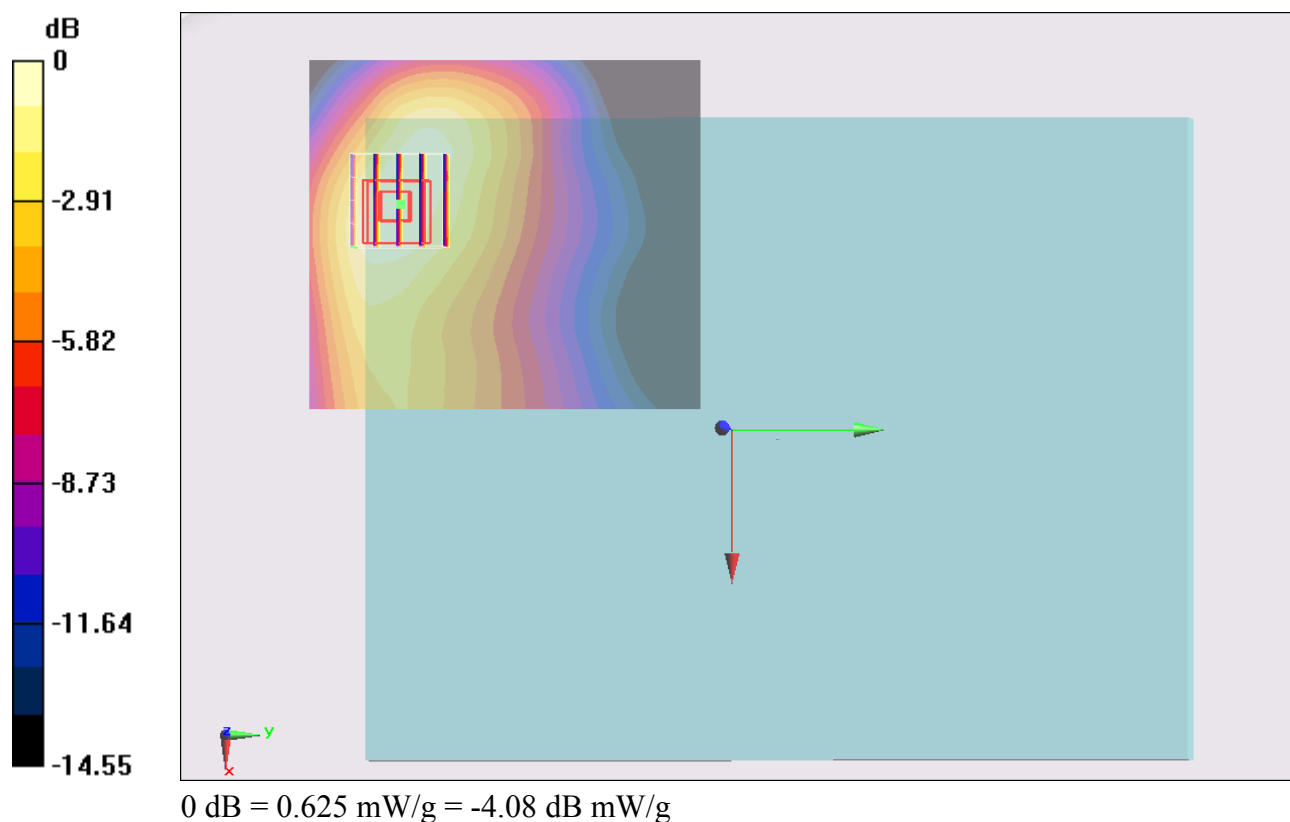
Configuration/Ch512/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 22.519 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 0.840 mW/g

SAR(1 g) = 0.581 mW/g; SAR(10 g) = 0.374 mW/g

Maximum value of SAR (measured) = 0.625 mW/g



#71_GSM1900_GPRS (2 Tx slots)_Bottom Face_0cm_Ch512**DUT: 2N2103-01**

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

Medium: MSL_1900_121218 Medium parameters used : $f = 1850.2$ MHz; $\sigma = 1.481$ mho/m; $\epsilon_r = 53.436$;

$\rho = 1000$ kg/m³

Ambient Temperature : 22.6 °C ; Liquid Temperature : 21.6 °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 v5.0 Left; Type: QDOVA002AA; Serial: TP:1131
- Measurement SW: DASY52, Version 52.8 (3); SEMCAD X Version 14.6.5 (6469)

Configuration/Ch512/Area Scan (81x91x1): Measurement grid: dx=15mm, dy=15mm

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

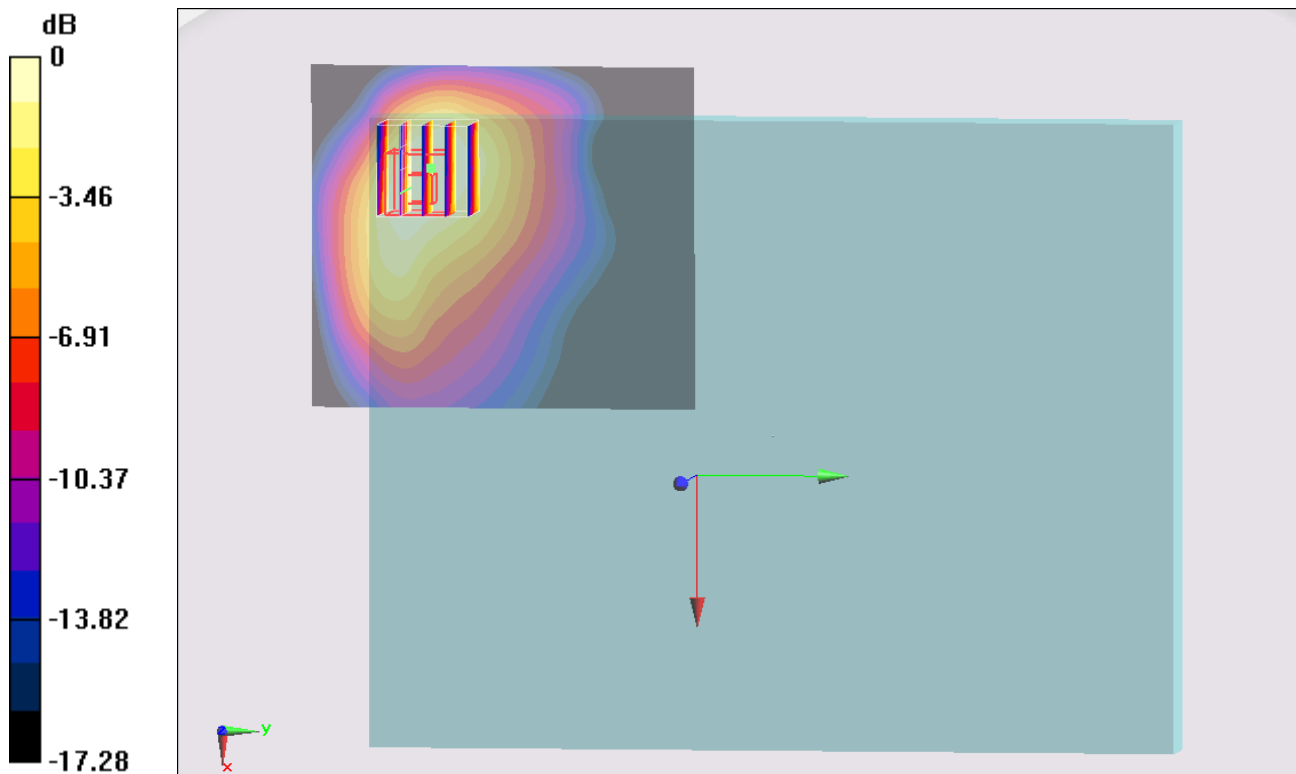
Configuration/Ch512/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 27.220 V/m; Power Drift = -0.08 dB

Peak SAR (extrapolated) = 1.518 mW/g

SAR(1 g) = 0.913 mW/g; SAR(10 g) = 0.549 mW/g

Maximum value of SAR (measured) = 1.00 mW/g



#72_GSM1900_GPRS (2 Tx slots)_Bottom Face_0cm_Ch661**DUT: 2N2103-01**

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

Medium: MSL_1900_121218 Medium parameters used: $f = 1880$ MHz; $\sigma = 1.505$ mho/m; $\epsilon_r = 53.327$; ρ

$= 1000$ kg/m³

Ambient Temperature : 22.6 °C ; Liquid Temperature : 21.6 °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 v5.0 Left; Type: QDOVA002AA; Serial: TP:1131
- Measurement SW: DASY52, Version 52.8 (3); SEMCAD X Version 14.6.5 (6469)

Configuration/Ch661/Area Scan (81x91x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.937 mW/g

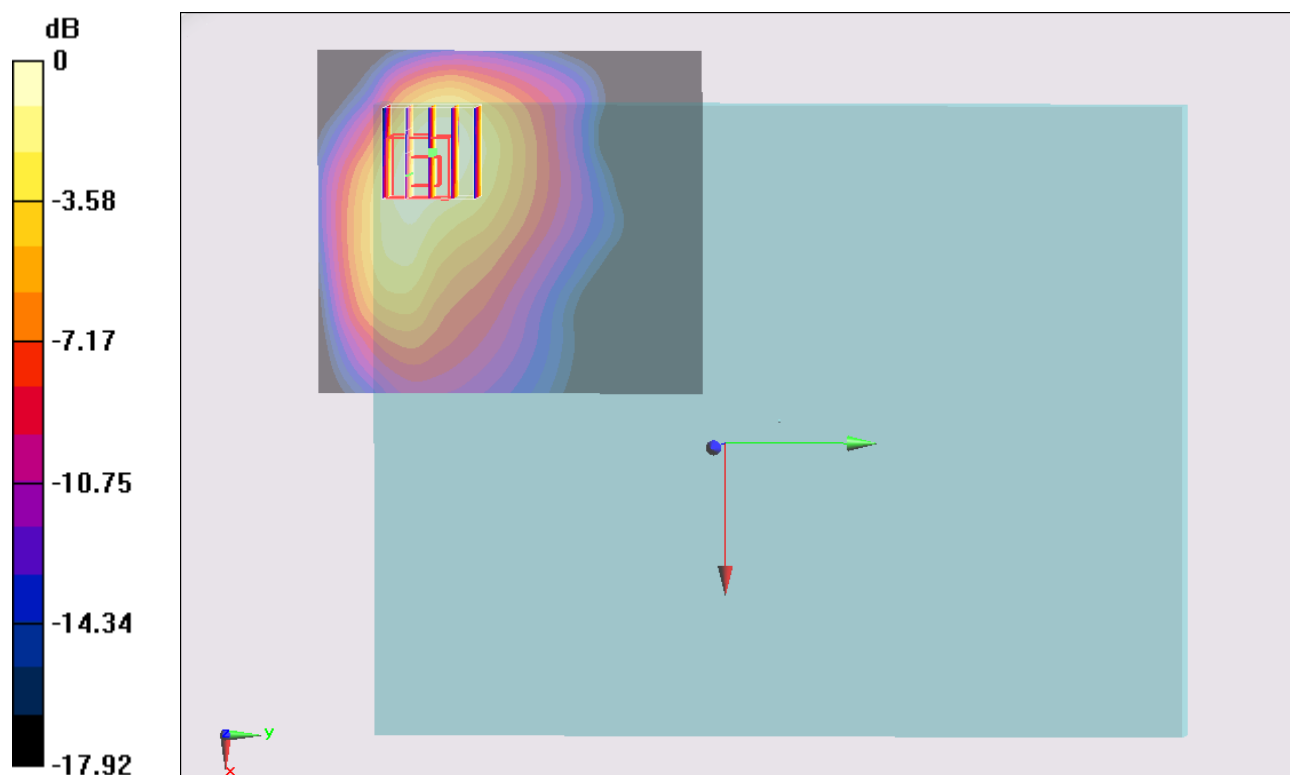
Configuration/Ch661/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 24.557 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 1.273 mW/g

SAR(1 g) = 0.797 mW/g; SAR(10 g) = 0.448 mW/g

Maximum value of SAR (measured) = 0.845 mW/g



0 dB = 0.845 mW/g = -1.46 dB mW/g

#73_GSM1900_GPRS (2 Tx slots)_Bottom Face_0cm_Ch810**DUT: 2N2103-01**

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

Medium: MSL_1900_121218 Medium parameters used: $f = 1910$ MHz; $\sigma = 1.531$ mho/m; $\epsilon_r = 53.168$; ρ

$= 1000$ kg/m³

Ambient Temperature : 22.6 °C ; Liquid Temperature : 21.6 °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 v5.0 Left; Type: QDOVA002AA; Serial: TP:1131
- Measurement SW: DASY52, Version 52.8 (3); SEMCAD X Version 14.6.5 (6469)

Configuration/Ch810/Area Scan (81x91x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.742 mW/g

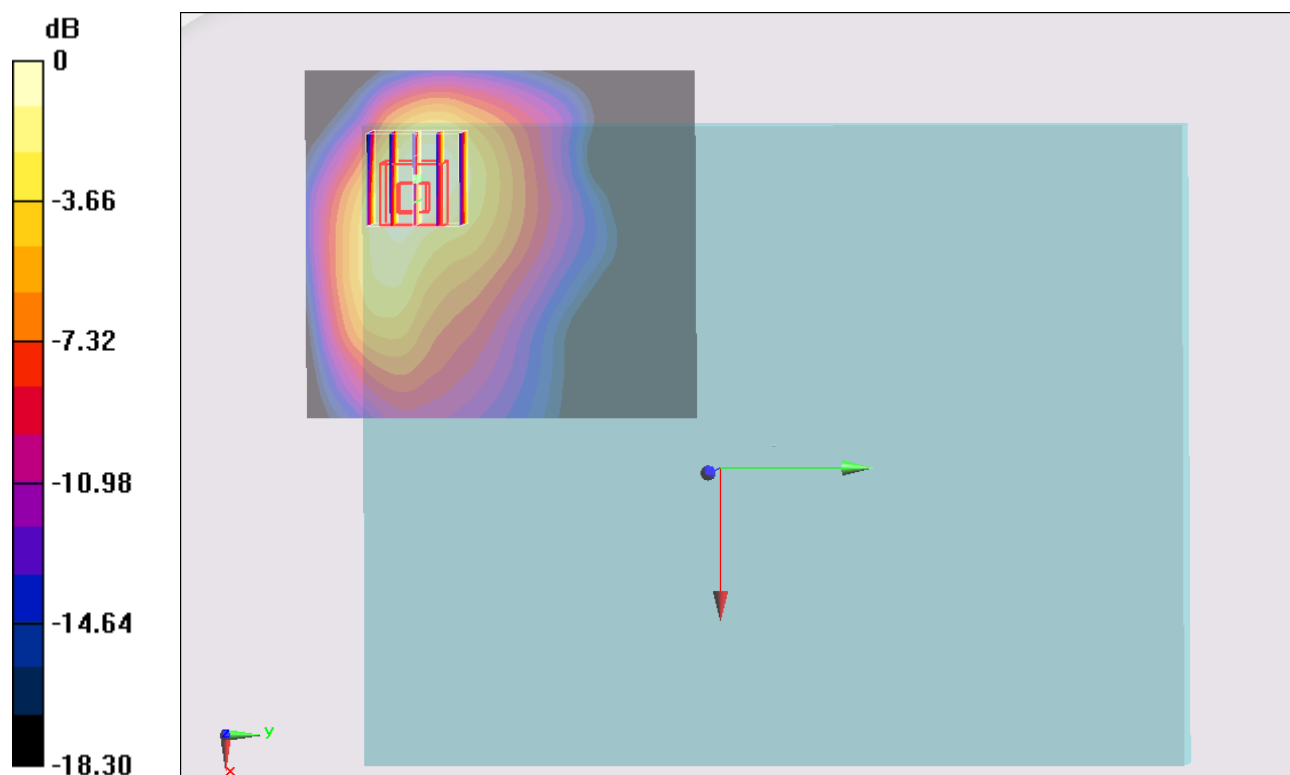
Configuration/Ch810/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 21.803 V/m; Power Drift = 0.09 dB

Peak SAR (extrapolated) = 1.014 mW/g

SAR(1 g) = 0.631 mW/g; SAR(10 g) = 0.370 mW/g

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



#74_GSM1900_GPRS (2 Tx slots)_Edge 3_0cm_Ch512**DUT: 2N2103-01**

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

Medium: MSL_1900_121218 Medium parameters used : $f = 1850.2$ MHz; $\sigma = 1.481$ mho/m; $\epsilon_r = 53.436$;

$\rho = 1000$ kg/m³

Ambient Temperature : 22.6 °C; Liquid Temperature : 21.6 °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 v5.0 Left; Type: QDOVA002AA; Serial: TP:1131
- Measurement SW: DASY52, Version 52.8 (3); SEMCAD X Version 14.6.5 (6469)

Configuration/Ch512/Area Scan (41x201x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 1.06 mW/g

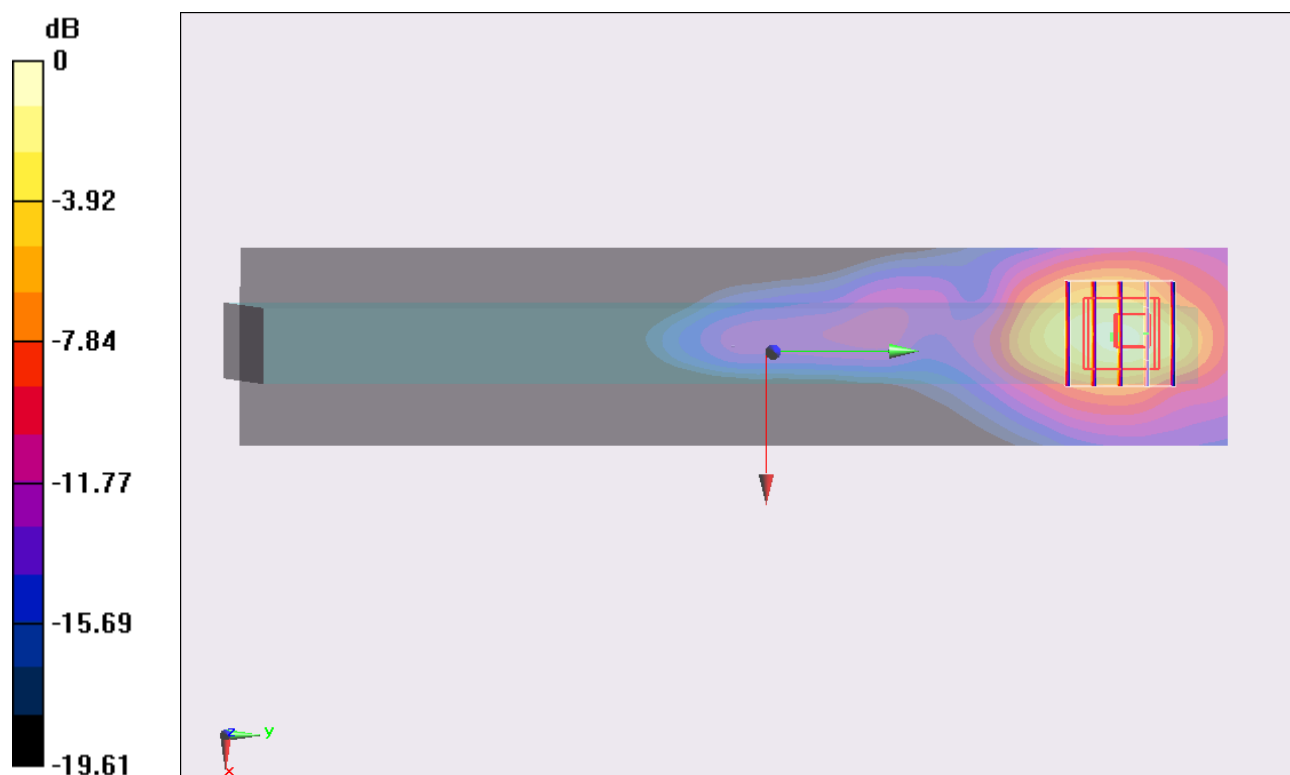
Configuration/Ch512/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 29.321 V/m; Power Drift = 0.05 dB

Peak SAR (extrapolated) = 2.055 mW/g

SAR(1 g) = 1.01 mW/g; SAR(10 g) = 0.478 mW/g

Maximum value of SAR (measured) = 1.25 mW/g



0 dB = 1.25 mW/g = 1.94 dB mW/g

#75_GSM1900_GPRS (2 Tx slots)_Edge 3_0cm_Ch661**DUT: 2N2103-01**

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

Medium: MSL_1900_121218 Medium parameters used: $f = 1880$ MHz; $\sigma = 1.505$ mho/m; $\epsilon_r = 53.327$; ρ

$= 1000$ kg/m³

Ambient Temperature : 22.6 °C ; Liquid Temperature : 21.6 °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 v5.0 Left; Type: QDOVA002AA; Serial: TP:1131
- Measurement SW: DASY52, Version 52.8 (3); SEMCAD X Version 14.6.5 (6469)

Configuration/Ch661/Area Scan (41x201x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.809 mW/g

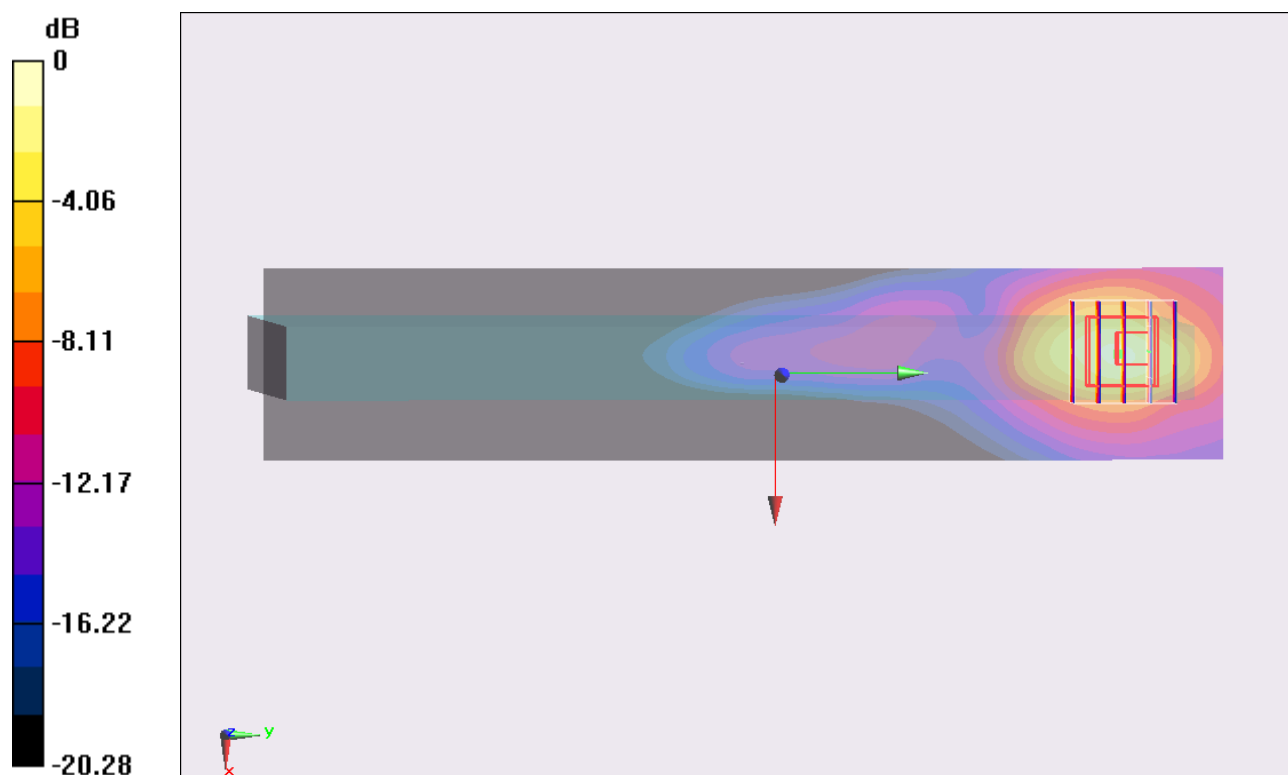
Configuration/Ch661/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 26.548 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 1.695 mW/g

SAR(1 g) = 0.824 mW/g; SAR(10 g) = 0.387 mW/g

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



#76_GSM1900_GPRS (2 Tx slots)_Edge 3_0cm_Ch810**DUT: 2N2103-01**

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

Medium: MSL_1900_121218 Medium parameters used: $f = 1910$ MHz; $\sigma = 1.531$ mho/m; $\epsilon_r = 53.168$; ρ

$= 1000$ kg/m³

Ambient Temperature : 22.6 °C ; Liquid Temperature : 21.6 °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 v5.0 Left; Type: QDOVA002AA; Serial: TP:1131
- Measurement SW: DASY52, Version 52.8 (3); SEMCAD X Version 14.6.5 (6469)

Configuration/Ch810/Area Scan (41x201x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.671 mW/g

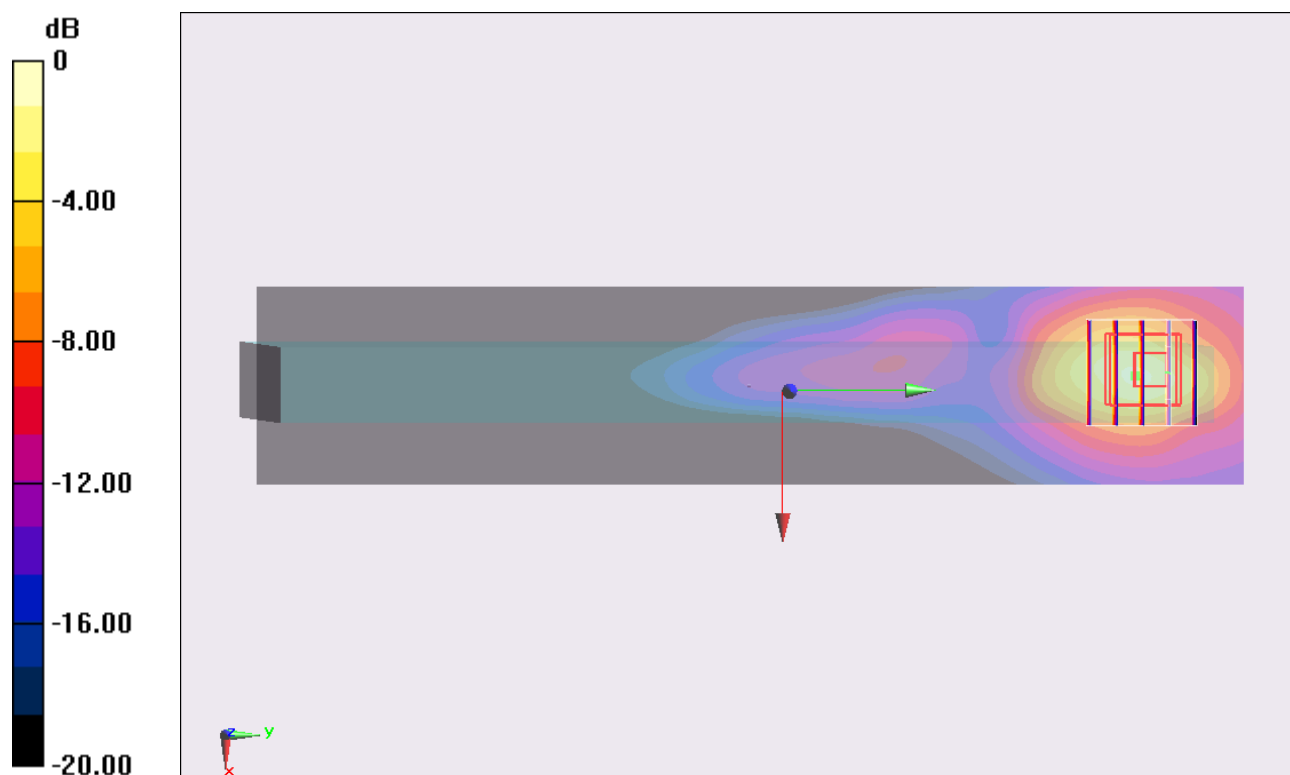
Configuration/Ch810/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 23.950 V/m; Power Drift = 0.08 dB

Peak SAR (extrapolated) = 1.459 mW/g

SAR(1 g) = 0.690 mW/g; SAR(10 g) = 0.320 mW/g

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



0 dB = 0.859 mW/g = -1.32 dB mW/g

#77_GSM1900_GPRS (2 Tx slots)_Edge 4_0cm_Ch512**DUT: 2N2103-01**

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

Medium: MSL_1900_121218 Medium parameters used : $f = 1850.2$ MHz; $\sigma = 1.481$ mho/m; $\epsilon_r = 53.436$;

$\rho = 1000$ kg/m³

Ambient Temperature : 22.6 °C ; Liquid Temperature : 21.6 °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 v5.0 Left; Type: QDOVA002AA; Serial: TP:1131
- Measurement SW: DASY52, Version 52.8 (3); SEMCAD X Version 14.6.5 (6469)

Configuration/Ch512/Area Scan (41x181x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 1.52 mW/g

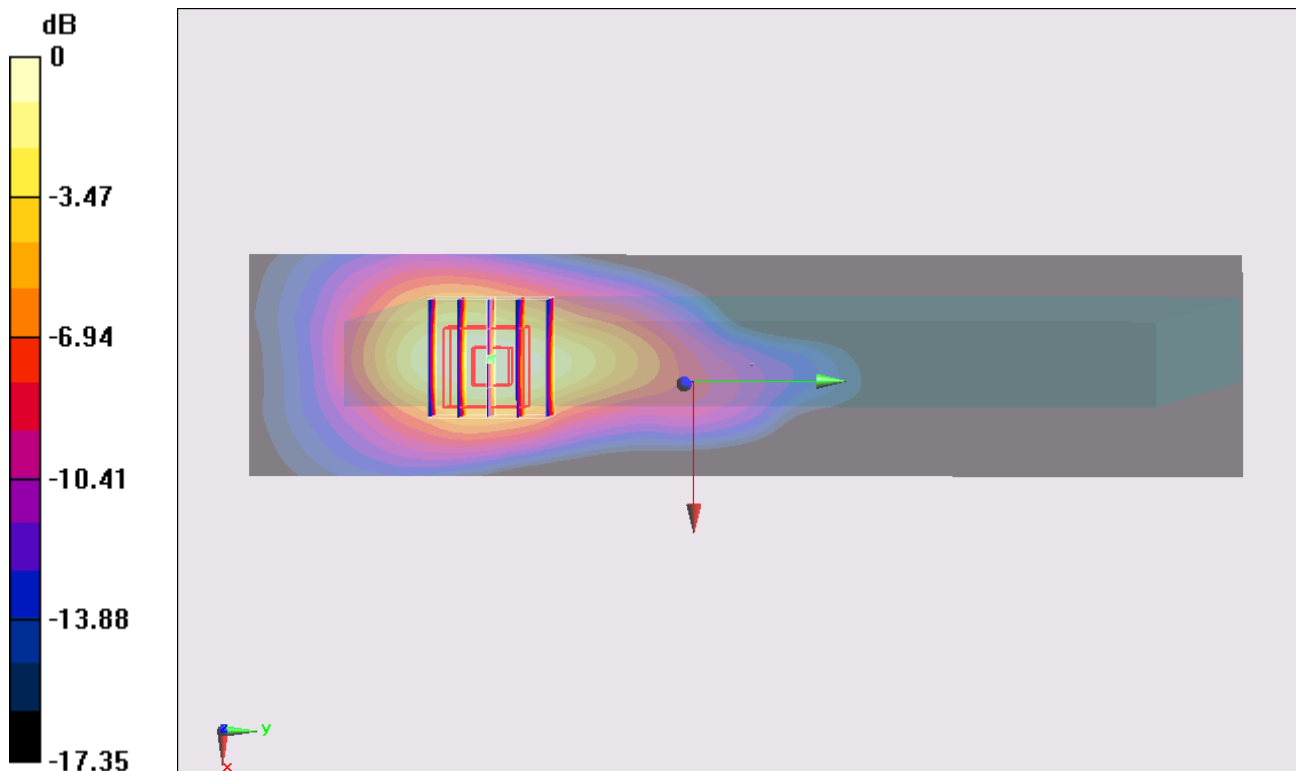
Configuration/Ch512/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 0.447 V/m; Power Drift = -0.160 dB

Peak SAR (extrapolated) = 2.088 mW/g

SAR(1 g) = 1.36 mW/g; SAR(10 g) = 0.750 mW/g

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



#77_GSM1900_GPRS (2 Tx slots)_Edge 4_0cm_Ch512_2D**DUT: 2N2103-01**

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

Medium: MSL_1900_121218 Medium parameters used : $f = 1850.2$ MHz; $\sigma = 1.481$ mho/m; $\epsilon_r = 53.436$;

$\rho = 1000$ kg/m³

Ambient Temperature : 22.6 °C ; Liquid Temperature : 21.6 °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 v5.0 Left; Type: QDOVA002AA; Serial: TP:1131
- Measurement SW: DASY52, Version 52.8 (3); SEMCAD X Version 14.6.5 (6469)

Configuration/Ch512/Area Scan (41x181x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 1.52 mW/g

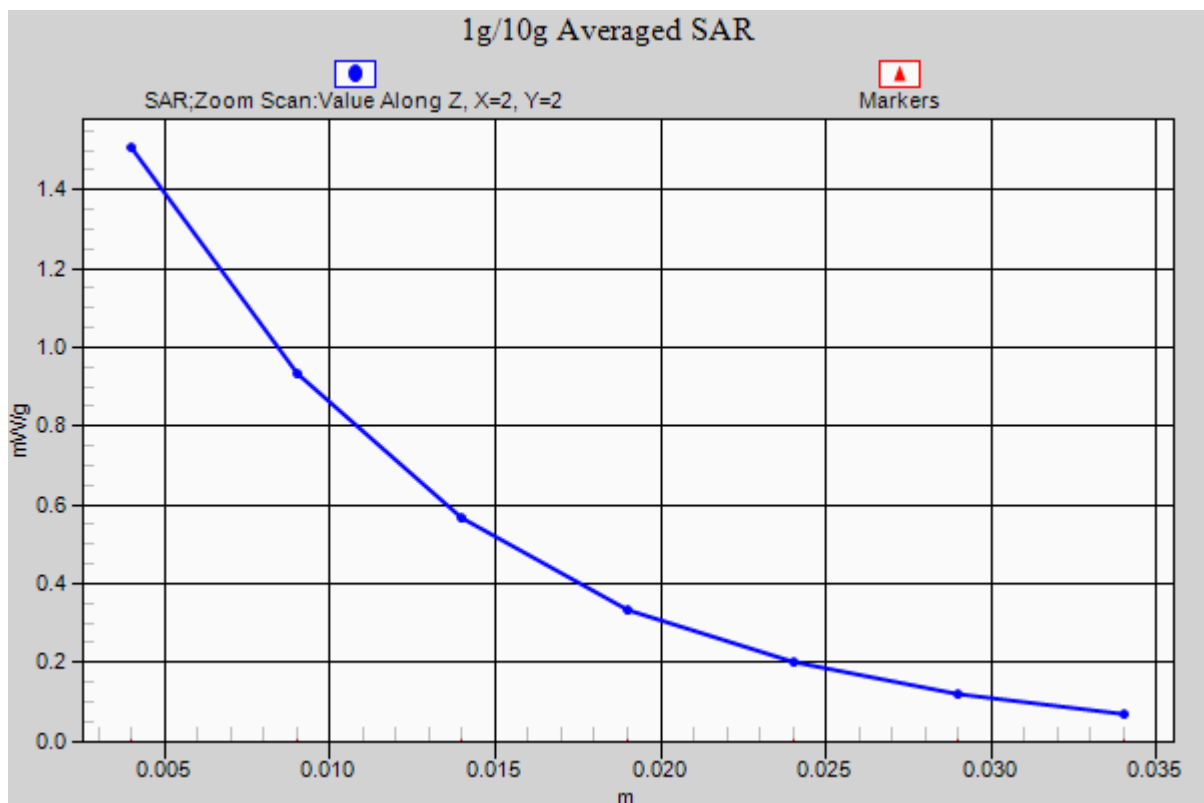
Configuration/Ch512/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 0.447 V/m; Power Drift = -0.160 dB

Peak SAR (extrapolated) = 2.088 mW/g

SAR(1 g) = 1.36 mW/g; SAR(10 g) = 0.750 mW/g

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



#83_GSM1900_GPRS (2 Tx slots)_Edge 4_0cm_Ch512_Repeat**DUT: 2N2103-01**

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

Medium: MSL_1900_121218 Medium parameters used : $f = 1850.2$ MHz; $\sigma = 1.481$ mho/m; $\epsilon_r = 53.436$;

$\rho = 1000$ kg/m³

Ambient Temperature : 22.6 °C; Liquid Temperature : 21.6 °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 v5.0 Left; Type: QDOVA002AA; Serial: TP:1131
- Measurement SW: DASY52, Version 52.8 (3); SEMCAD X Version 14.6.5 (6469)

Configuration/Ch512/Area Scan (41x181x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 1.52 mW/g

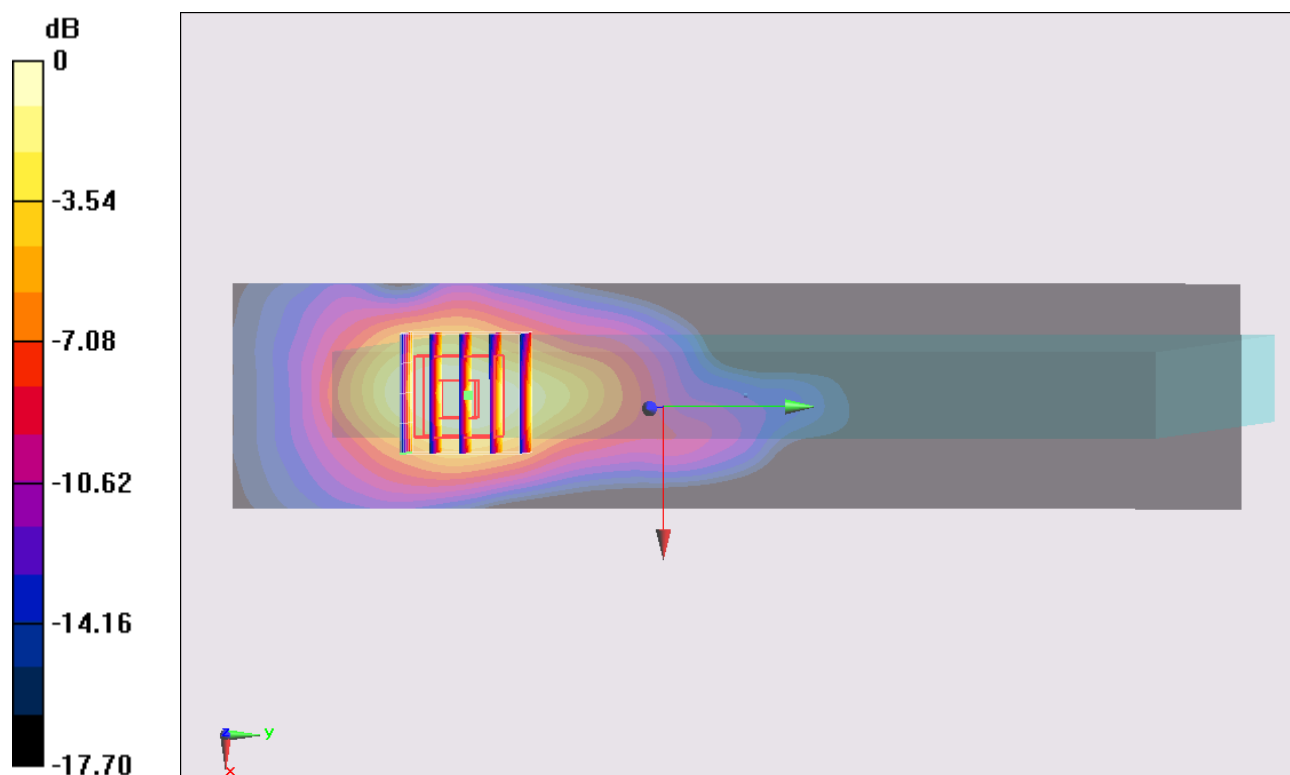
Configuration/Ch512/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 34.906 V/m; Power Drift = -0.11 dB

Peak SAR (extrapolated) = 2.009 mW/g

SAR(1 g) = 1.32 mW/g; SAR(10 g) = 0.734 mW/g

Maximum value of SAR (measured) = 1.46 mW/g



0 dB = 1.46 mW/g = 3.29 dB mW/g

#78_GSM1900_GPRS (2 Tx slots)_Edge 4_0cm_Ch661**DUT: 2N2103-01**

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

Medium: MSL_1900_121218 Medium parameters used: $f = 1880$ MHz; $\sigma = 1.505$ mho/m; $\epsilon_r = 53.327$; ρ

$= 1000$ kg/m³

Ambient Temperature : 22.6 °C ; Liquid Temperature : 21.6 °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 v5.0 Left; Type: QDOVA002AA; Serial: TP:1131
- Measurement SW: DASY52, Version 52.8 (3); SEMCAD X Version 14.6.5 (6469)

Configuration/Ch661/Area Scan (41x181x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 1.45 mW/g

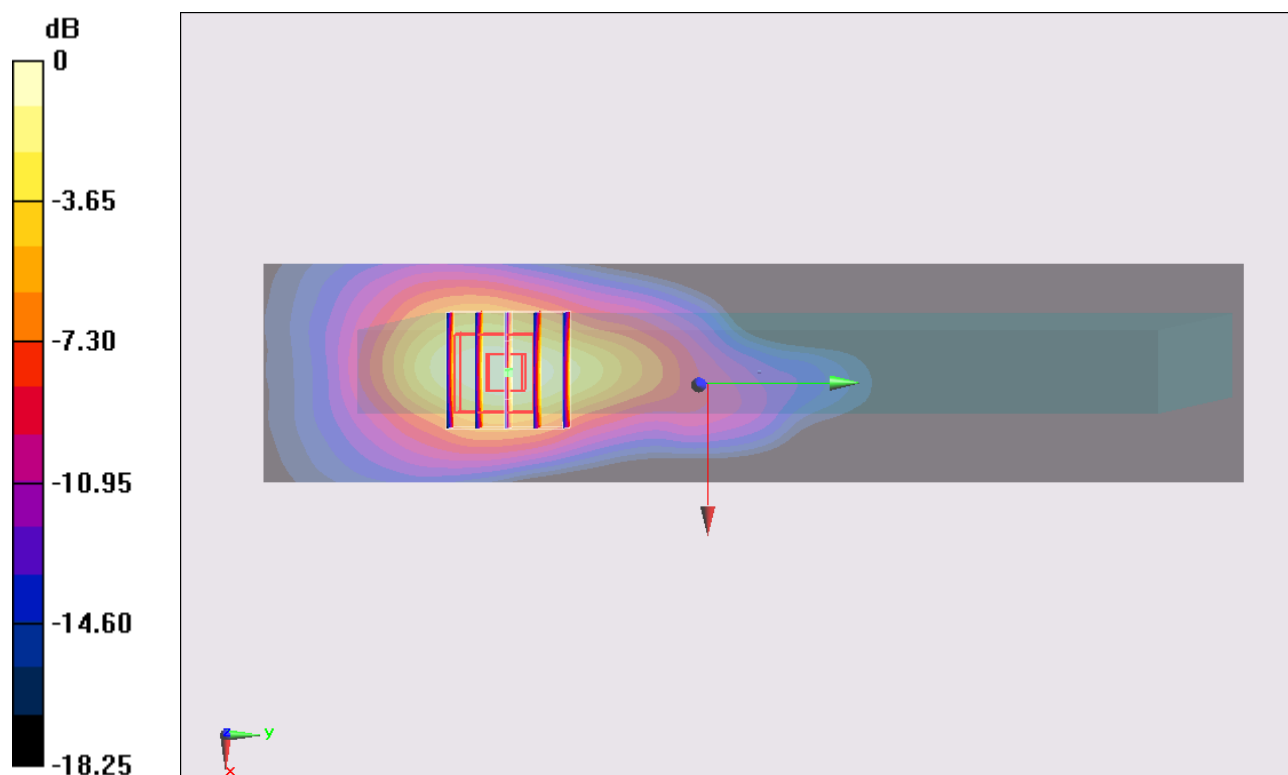
Configuration/Ch661/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 34.198 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 1.946 mW/g

SAR(1 g) = 1.24 mW/g; SAR(10 g) = 0.670 mW/g

Maximum value of SAR (measured) = 1.47 mW/g



0 dB = 1.47 mW/g = 3.35 dB mW/g

#79_GSM1900_GPRS (2 Tx slots)_Edge 4_0cm_Ch810**DUT: 2N2103-01**

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

Medium: MSL_1900_121218 Medium parameters used: $f = 1910$ MHz; $\sigma = 1.531$ mho/m; $\epsilon_r = 53.168$; ρ

$= 1000$ kg/m³

Ambient Temperature : 22.6 °C ; Liquid Temperature : 21.6 °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 v5.0 Left; Type: QDOVA002AA; Serial: TP:1131
- Measurement SW: DASY52, Version 52.8 (3); SEMCAD X Version 14.6.5 (6469)

Configuration/Ch810/Area Scan (41x181x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 1.32 mW/g

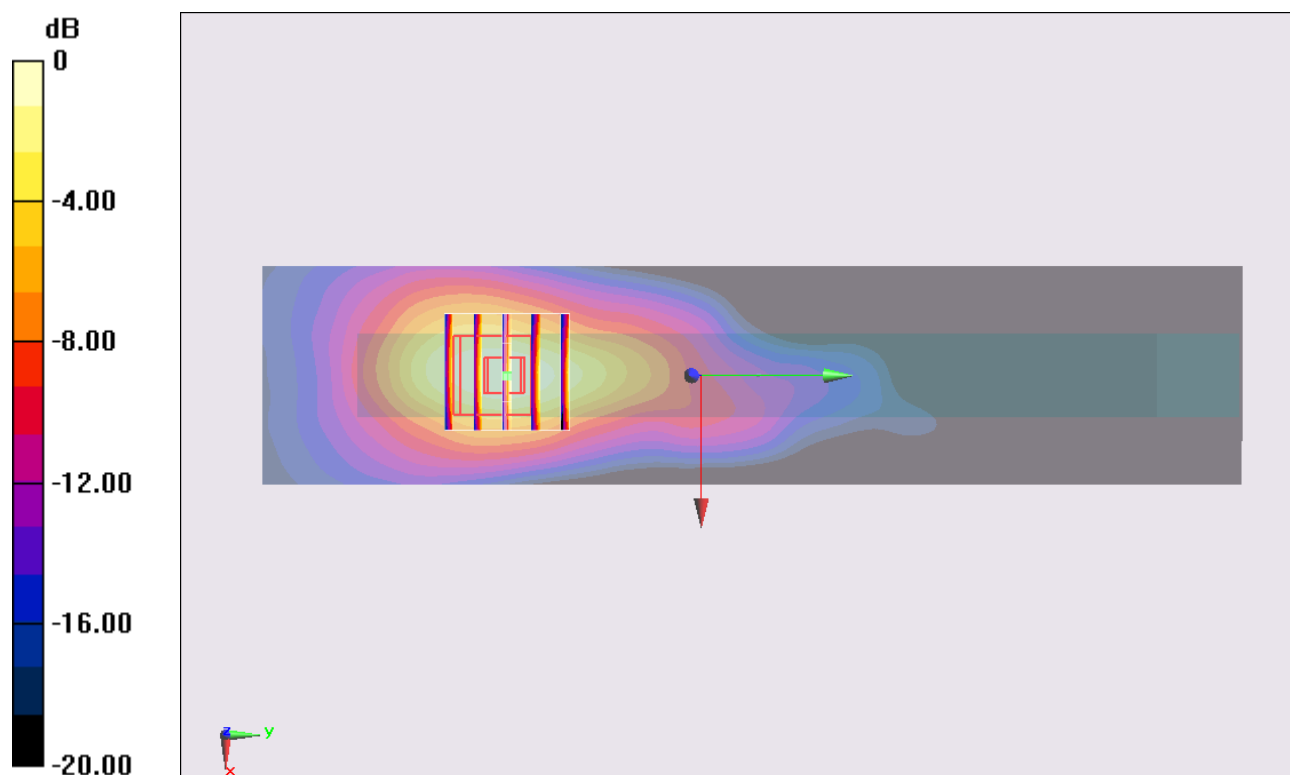
Configuration/Ch810/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 32.378 V/m; Power Drift = -0.08 dB

Peak SAR (extrapolated) = 1.860 mW/g

SAR(1 g) = 1.14 mW/g; SAR(10 g) = 0.606 mW/g

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



0 dB = 1.34 mW/g = 2.54 dB mW/g

#80_GSM1900_GPRS (2 Tx slots)_Bottom_0cm_Ch512**DUT: 2N2103-01**

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

Medium: MSL_1900_121218 Medium parameters used : $f = 1850.2$ MHz; $\sigma = 1.481$ mho/m; $\epsilon_r = 53.436$;

$\rho = 1000$ kg/m³

Ambient Temperature : 22.6 °C ; Liquid Temperature : 21.6 °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 v5.0 Left; Type: QDOVA002AA; Serial: TP:1131
- Measurement SW: DASY52, Version 52.8 (3); SEMCAD X Version 14.6.5 (6469)

Configuration/Ch512/Area Scan (81x101x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 1.04 mW/g

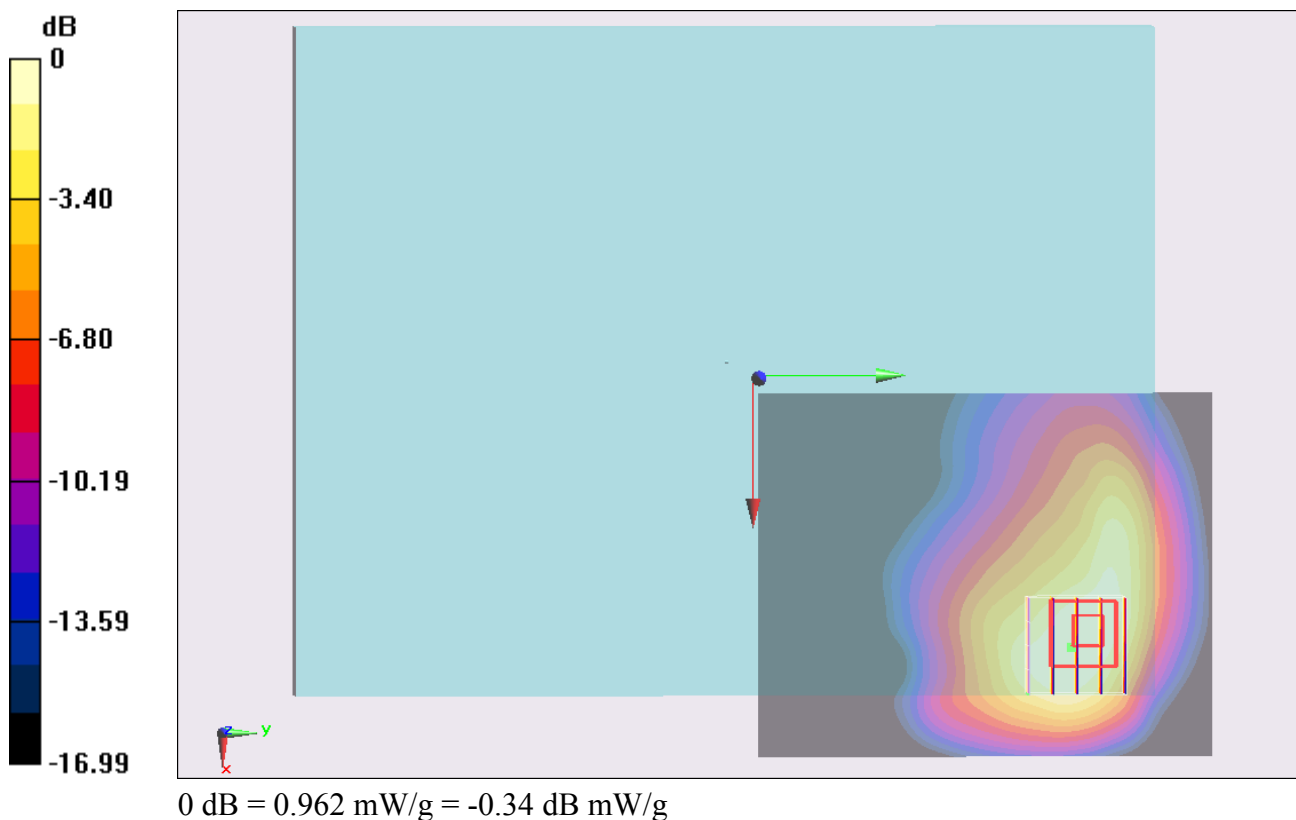
Configuration/Ch512/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 26.878 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 1.533 mW/g

SAR(1 g) = 0.880 mW/g; SAR(10 g) = 0.533 mW/g

Maximum value of SAR (measured) = 0.962 mW/g



#81_GSM1900_GPRS (2 Tx slots)_Bottom_0cm_Ch661**DUT: 2N2103-01**

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

Medium: MSL_1900_121218 Medium parameters used: $f = 1880$ MHz; $\sigma = 1.505$ mho/m; $\epsilon_r = 53.327$; ρ

$= 1000$ kg/m³

Ambient Temperature : 22.6 °C ; Liquid Temperature : 21.6 °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 v5.0 Left; Type: QDOVA002AA; Serial: TP:1131
- Measurement SW: DASY52, Version 52.8 (3); SEMCAD X Version 14.6.5 (6469)

Configuration/Ch661/Area Scan (81x101x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.895 mW/g

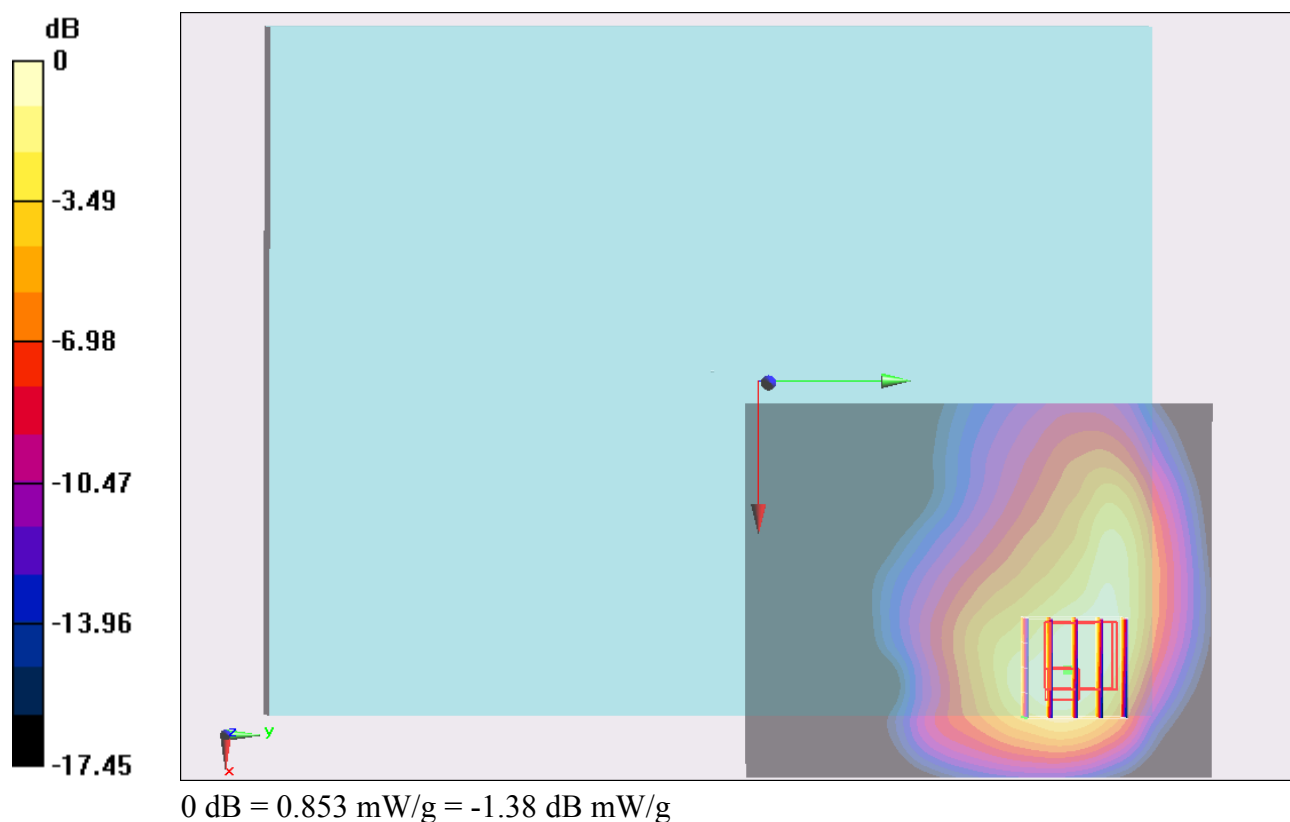
Configuration/Ch661/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 25.083 V/m; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 1.391 mW/g

SAR(1 g) = 0.771 mW/g; SAR(10 g) = 0.462 mW/g

Maximum value of SAR (measured) = 0.853 mW/g



#82_GSM1900_GPRS (2 Tx slots)_Bottom_0cm_Ch810**DUT: 2N2103-01**

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

Medium: MSL_1900_121218 Medium parameters used: $f = 1910$ MHz; $\sigma = 1.531$ mho/m; $\epsilon_r = 53.168$; ρ

$= 1000$ kg/m³

Ambient Temperature : 22.6 °C ; Liquid Temperature : 21.6 °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 v5.0 Left; Type: QDOVA002AA; Serial: TP:1131
- Measurement SW: DASY52, Version 52.8 (3); SEMCAD X Version 14.6.5 (6469)

Configuration/Ch810/Area Scan (81x101x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.686 mW/g

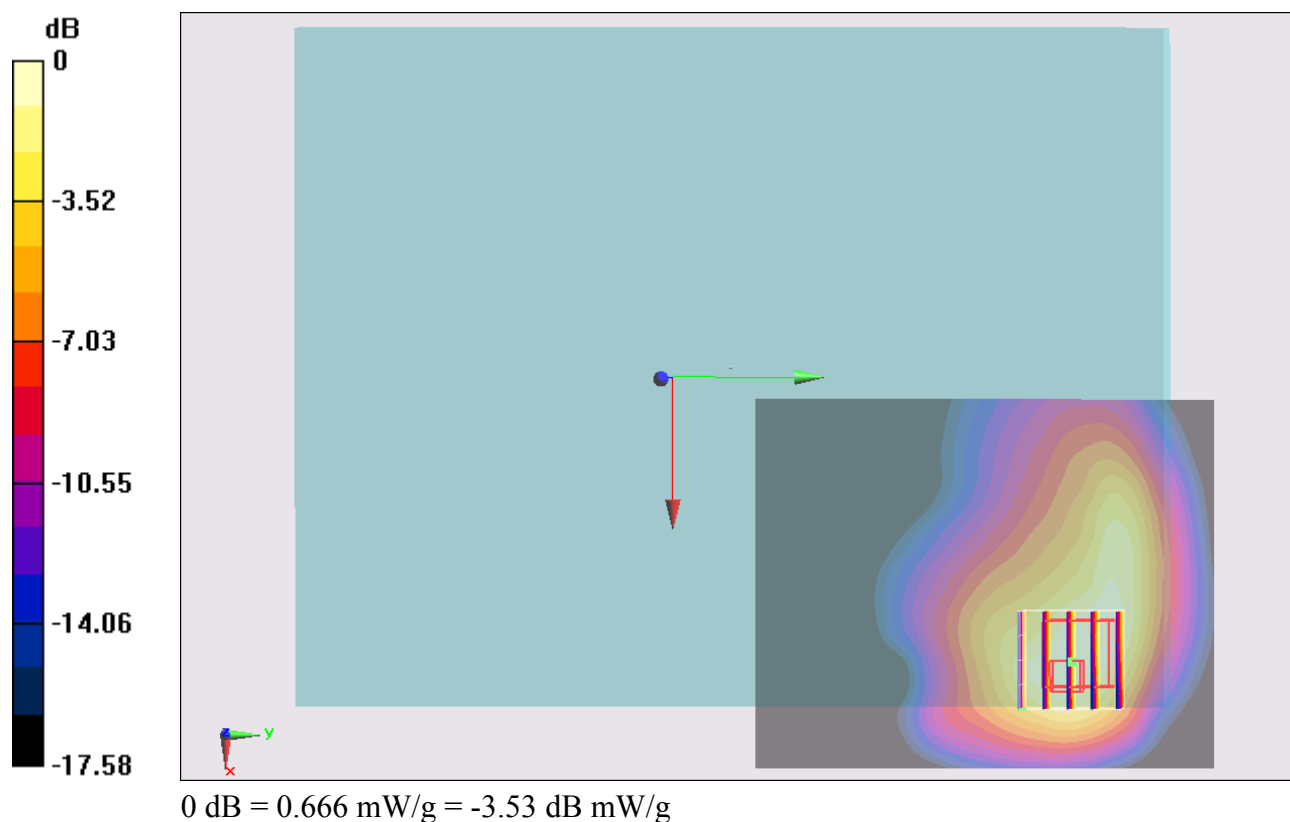
Configuration/Ch810/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 21.755 V/m; Power Drift = 0.12 dB

Peak SAR (extrapolated) = 1.140 mW/g

SAR(1 g) = 0.611 mW/g; SAR(10 g) = 0.358 mW/g

Maximum value of SAR (measured) = 0.666 mW/g



#44_WCDMA V_RMC12.2K_Bottom Face_1cm_Ch4233**DUT: 2N2103-01**

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

Medium: MSL_850_121217 Medium parameters used: $f = 847$ MHz; $\sigma = 0.974$ mho/m; $\epsilon_r = 54.432$; $\rho =$

1000 kg/m^3

Ambient Temperature : 22.4°C ; Liquid Temperature : 21.4°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/Ch4233/Area Scan (81x91x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Maximum value of SAR (interpolated) = 0.533 mW/g

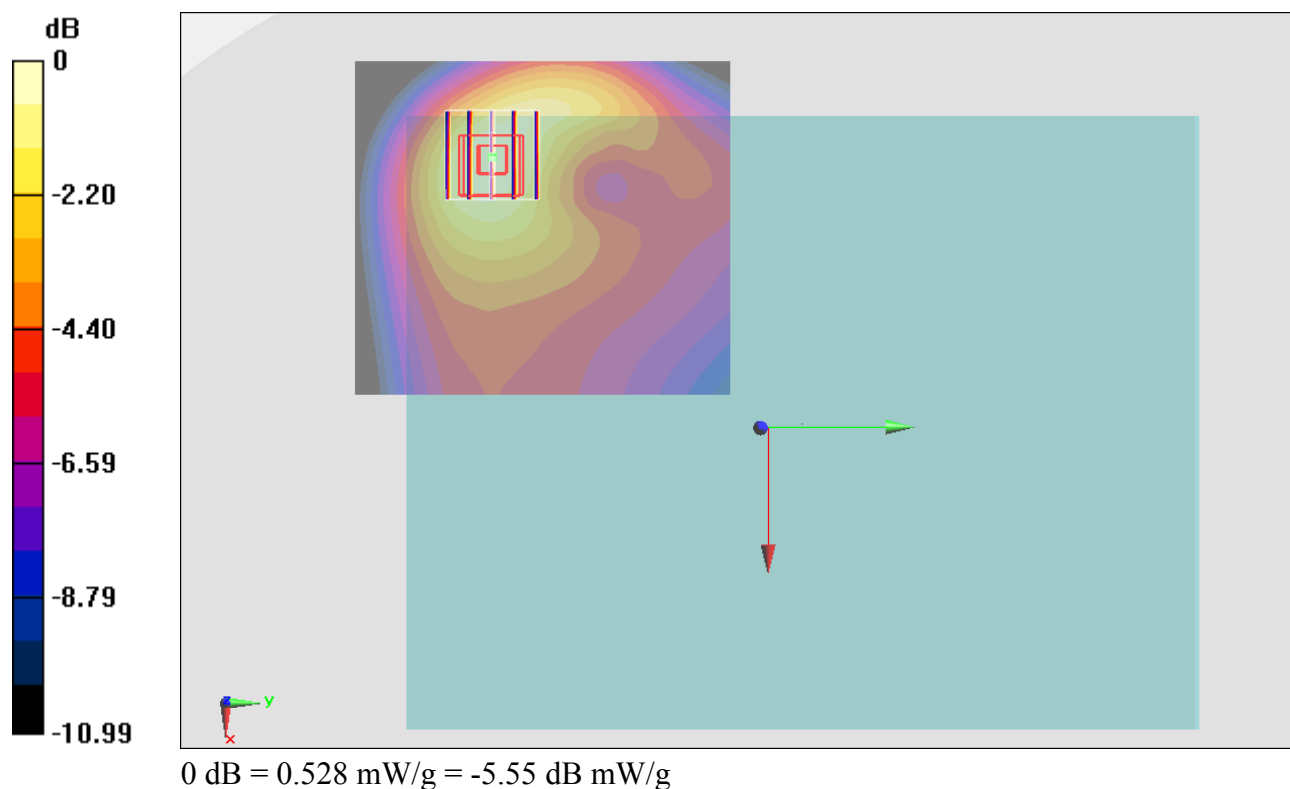
Configuration/Ch4233/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 24.170 V/m ; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 0.694 mW/g

SAR(1 g) = 0.489 mW/g ; SAR(10 g) = 0.331 mW/g

Maximum value of SAR (measured) = 0.528 mW/g



#16_WCDMA V_RMC12.2K_Bottom Face_0cm_Ch4233**DUT: 2N2103-01**

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

Medium: MSL_850_121217 Medium parameters used: $f = 847$ MHz; $\sigma = 0.974$ mho/m; $\epsilon_r = 54.432$; $\rho =$

1000 kg/m^3

Ambient Temperature : 22.4°C ; Liquid Temperature : 21.4°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/Ch4233/Area Scan (81x91x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Maximum value of SAR (interpolated) = 1.31 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 = 37.651 V/m ; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 1.814 mW/g

SAR(1 g) = 1.17 mW/g ; SAR(10 g) = 0.736 mW/g

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

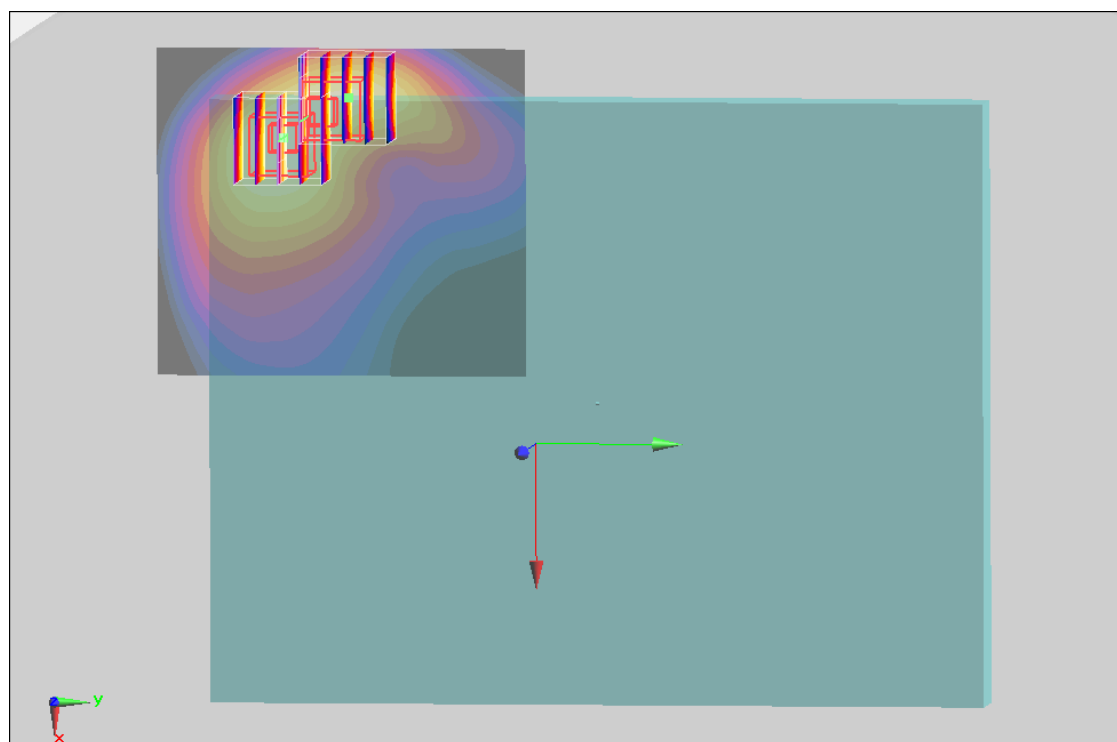
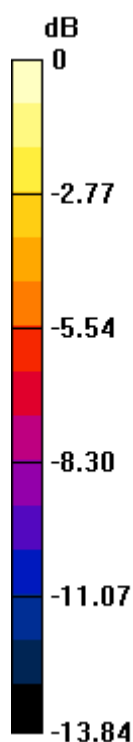
Configuration/Ch4233/Zoom Scan (5x5x7)/Cube 1: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 37.651 V/m ; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 1.727 mW/g

SAR(1 g) = 1.06 mW/g ; SAR(10 g) = 0.625 mW/g

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



0 dB = 1.19 mW/g = 1.51 dB mW/g

#17_WCDMA V_RMC12.2K_Bottom Face_0cm_Ch4132**DUT: 2N2103-01**

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

Medium: MSL_850_121217 Medium parameters used : $f = 826.4$ MHz; $\sigma = 0.955$ mho/m; $\epsilon_r = 54.63$; $\rho =$

1000 kg/m^3

Ambient Temperature : 22.4°C ; Liquid Temperature : 21.4°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/Ch4132/Area Scan (81x91x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Maximum value of SAR (interpolated) = 1.27 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 = 37.404 V/m ; Power Drift = 0.08 dB

Peak SAR (extrapolated) = 1.747 mW/g

SAR(1 g) = 1.13 mW/g ; SAR(10 g) = 0.719 mW/g

Maximum value of SAR (measured) = 1.25 mW/g

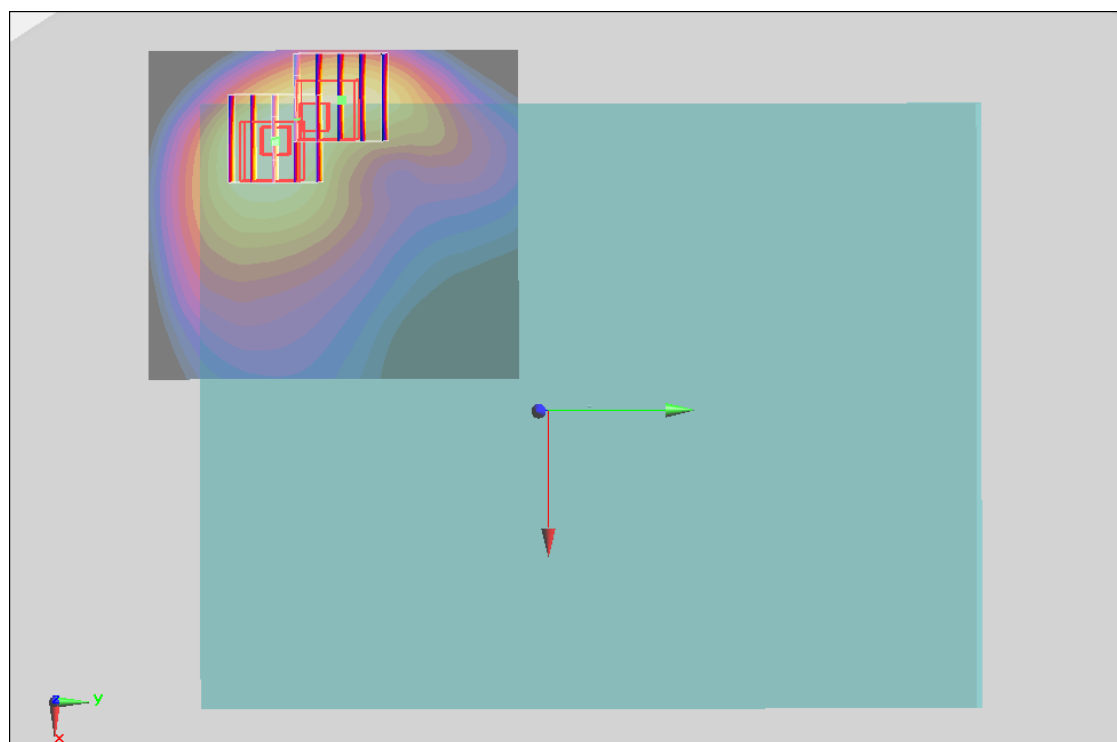
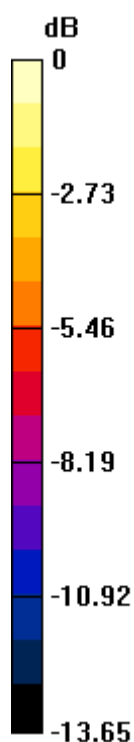
Configuration/Ch4132/Zoom Scan (5x5x7)/Cube 1: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 37.404 V/m ; Power Drift = 0.08 dB

Peak SAR (extrapolated) = 1.647 mW/g

SAR(1 g) = 0.990 mW/g ; SAR(10 g) = 0.584 mW/g

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



#18_WCDMA V_RMC12.2K_Bottom Face_0cm_Ch4182**DUT: 2N2103-01**

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

Medium: MSL_850_121217 Medium parameters used : $f = 836.4$ MHz; $\sigma = 0.964$ mho/m; $\epsilon_r = 54.526$; $\rho =$

1000 kg/m^3

Ambient Temperature : 22.4°C ; Liquid Temperature : 21.4°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/Ch4182/Area Scan (81x91x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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

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

Reference Value = 39.879 V/m ; Power Drift = -0.138 dB

Peak SAR (extrapolated) = 1.867 mW/g

SAR(1 g) = 1.21 mW/g ; SAR(10 g) = 0.773 mW/g

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

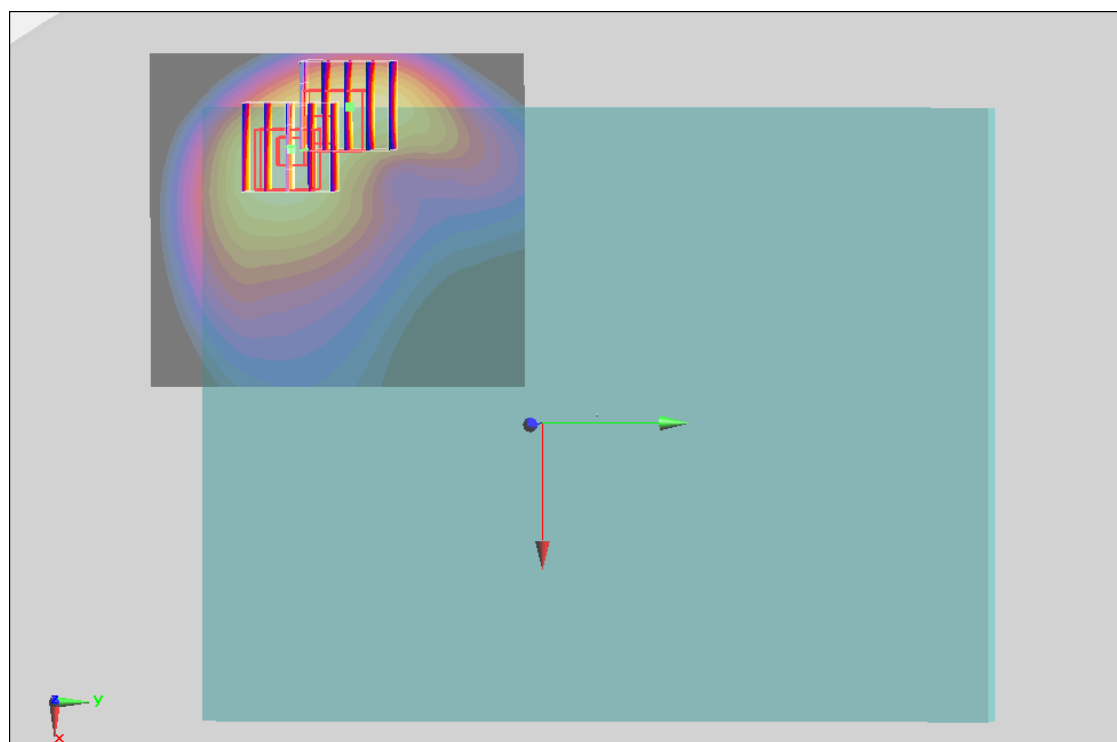
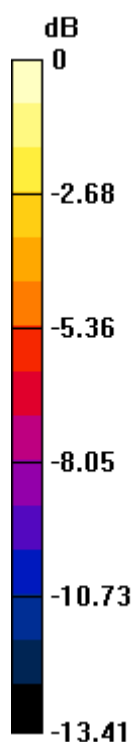
Configuration/Ch4182/Zoom Scan (5x5x7)/Cube 1: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 39.879 V/m ; Power Drift = -0.138 dB

Peak SAR (extrapolated) = 1.853 mW/g

SAR(1 g) = 1.1 mW/g ; SAR(10 g) = 0.651 mW/g

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



0 dB = 1.23 mW/g = 1.80 dB mW/g

#18_WCDMA V_RMC12.2K_Bottom Face_0cm_Ch4182_2D**DUT: 2N2103-01**

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

Medium: MSL_850_121217 Medium parameters used : $f = 836.4$ MHz; $\sigma = 0.964$ mho/m; $\epsilon_r = 54.526$; ρ

$= 1000$ kg/m³

Ambient Temperature : 22.4 °C ; Liquid Temperature : 21.4 °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/Ch4182/Area Scan (81x91x1): Measurement grid: dx=15mm, dy=15mm

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

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

Reference Value = 39.879 V/m; Power Drift = -0.138 dB

Peak SAR (extrapolated) = 1.867 mW/g

SAR(1 g) = 1.21 mW/g; SAR(10 g) = 0.773 mW/g

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

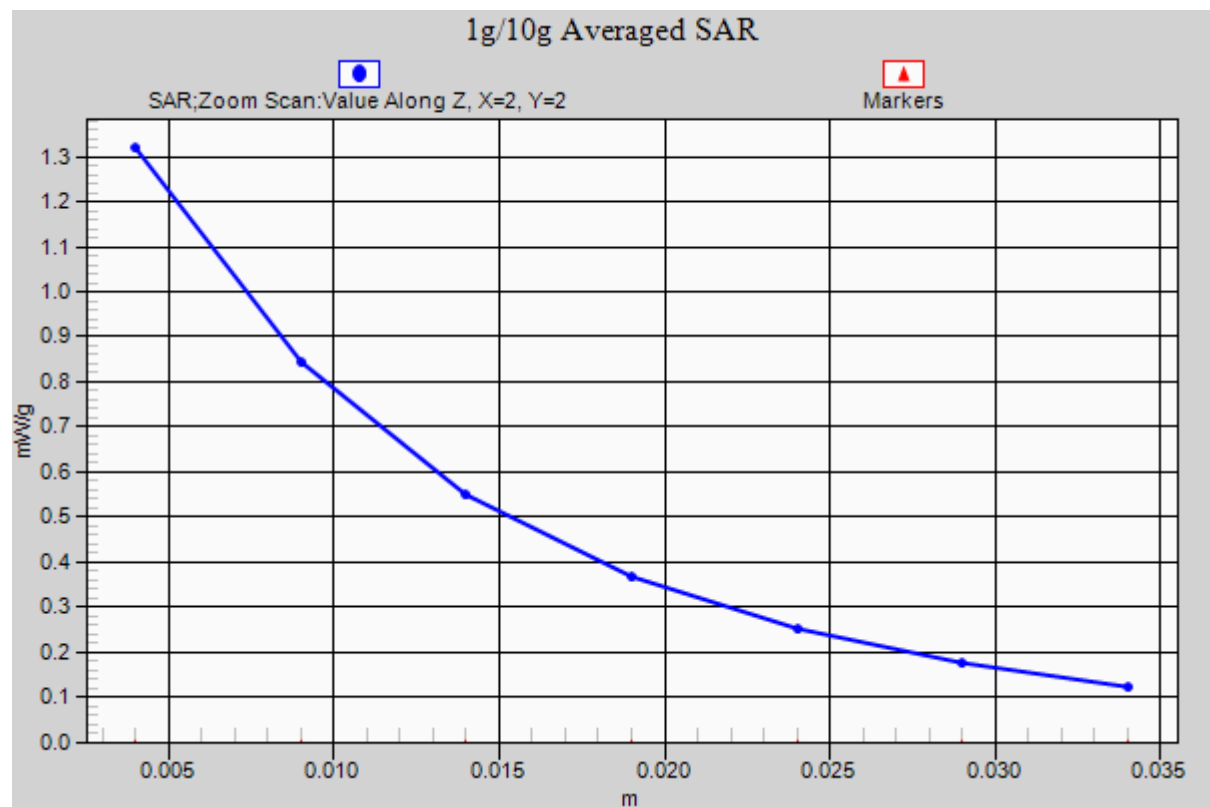
Configuration/Ch4182/Zoom Scan (5x5x7)/Cube 1: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 39.879 V/m; Power Drift = -0.138 dB

Peak SAR (extrapolated) = 1.853 mW/g

SAR(1 g) = 1.1 mW/g; SAR(10 g) = 0.651 mW/g

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



#45_WCDMA V_RMC12.2K_Bottom Face_0cm_Ch4182_Repeat**DUT: 2N2103-01**

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

Medium: MSL_850_121217 Medium parameters used: $f = 836.4$ MHz; $\sigma = 0.964$ mho/m; $\epsilon_r = 54.526$; $\rho =$

1000 kg/m^3

Ambient Temperature : 22.4°C ; Liquid Temperature : 21.4°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/Ch4182/Area Scan (81x91x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$
Maximum value of SAR (interpolated) = 1.40 mW/g

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

Reference Value = 38.532 V/m ; Power Drift = -0.13 dB

Peak SAR (extrapolated) = 1.844 mW/g

SAR(1 g) = 1.19 mW/g ; SAR(10 g) = 0.756 mW/g

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

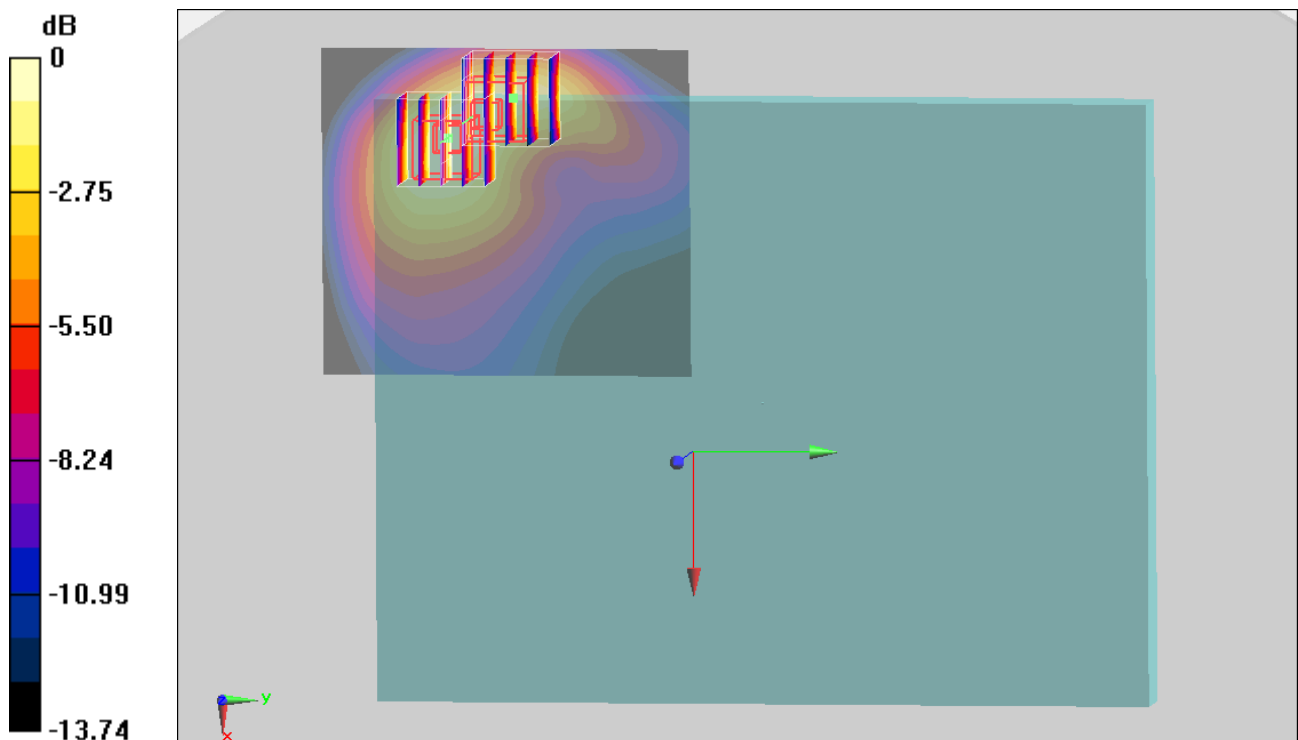
Configuration/Ch4182/Zoom Scan (5x5x7)/Cube 1: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 38.532 V/m ; Power Drift = -0.13 dB

Peak SAR (extrapolated) = 1.765 mW/g

SAR(1 g) = 1.07 mW/g ; SAR(10 g) = 0.631 mW/g

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



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

#28_WCDMA V_HSDPA_Bottom Face_0cm_Ch4233**DUT: 2N2103-01**

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

Medium: MSL_850_121217 Medium parameters used: $f = 847$ MHz; $\sigma = 0.974$ mho/m; $\epsilon_r = 54.432$; $\rho =$

1000 kg/m^3

Ambient Temperature : 22.4°C ; Liquid Temperature : 21.4°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/Ch4233/Area Scan (81x91x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Maximum value of SAR (interpolated) = 0.931 mW/g

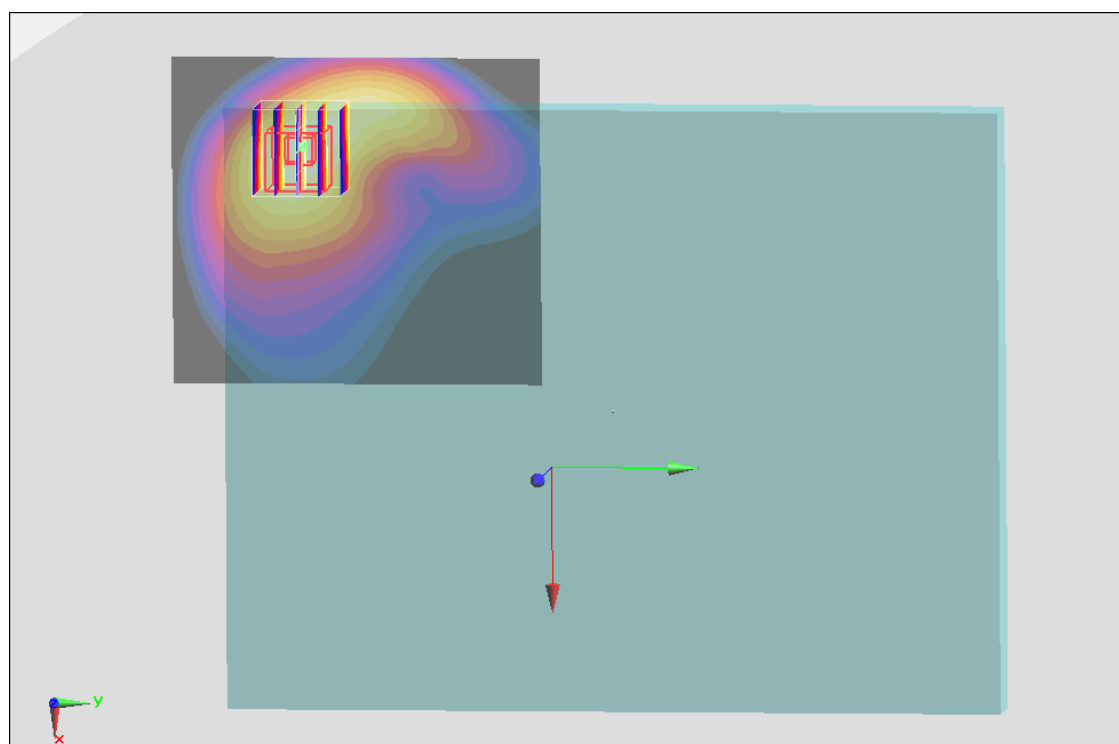
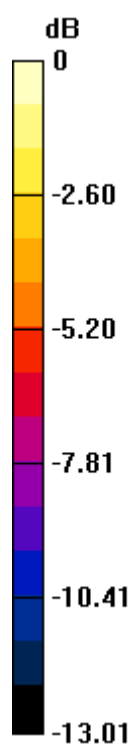
Configuration/Ch4233/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 31.742 V/m ; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 1.298 mW/g

SAR(1 g) = 0.821 mW/g ; SAR(10 g) = 0.513 mW/g

Maximum value of SAR (measured) = 0.898 mW/g



0 dB = 0.898 mW/g = -0.93 dB mW/g

#29_WCDMA V_HSDPA_Bottom Face_0cm_Ch4132**DUT: 2N2103-01**

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

Medium: MSL_850_121217 Medium parameters used: $f = 826.4$ MHz; $\sigma = 0.955$ mho/m; $\epsilon_r = 54.63$; $\rho =$

1000 kg/m^3

Ambient Temperature : 22.4°C ; Liquid Temperature : 21.4°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/Ch4132/Area Scan (81x91x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Maximum value of SAR (interpolated) = 0.872 mW/g

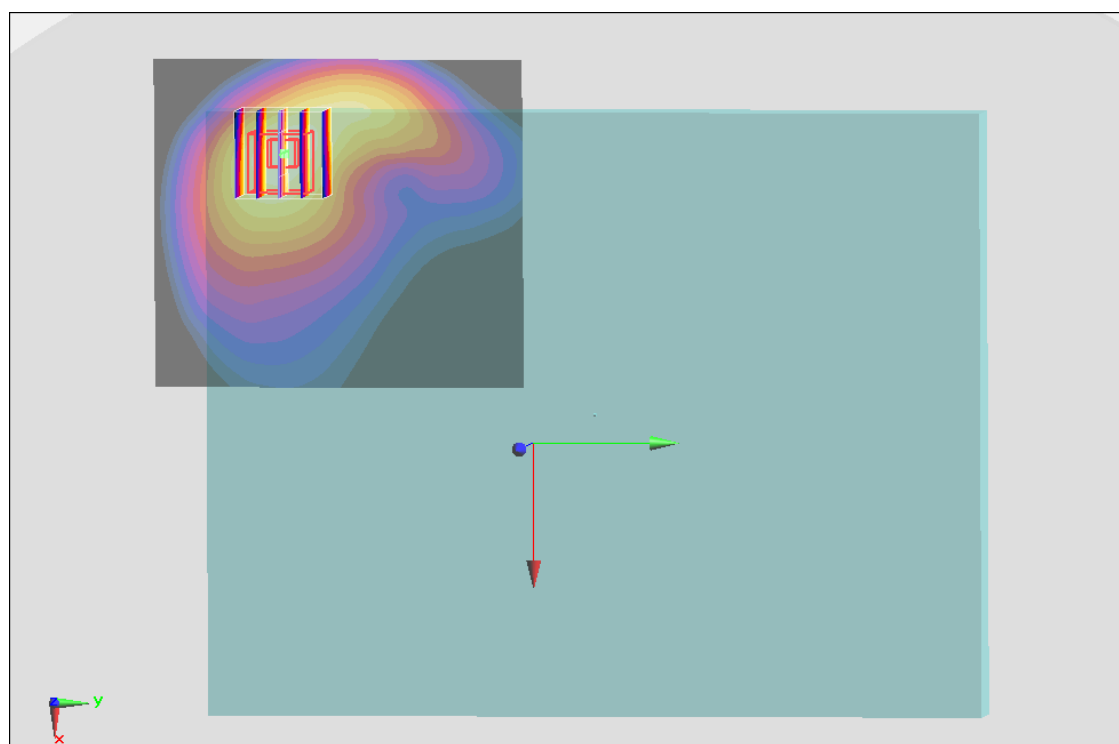
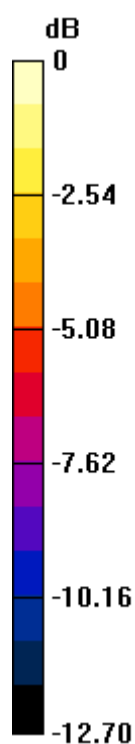
Configuration/Ch4132/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 31.012 V/m ; Power Drift = 0.00 dB

Peak SAR (extrapolated) = 1.206 mW/g

SAR(1 g) = 0.774 mW/g ; SAR(10 g) = 0.486 mW/g

Maximum value of SAR (measured) = 0.846 mW/g



0 dB = 0.846 mW/g = -1.45 dB mW/g

#30_WCDMA V_HSDPA_Bottom Face_0cm_Ch4182**DUT: 2N2103-01**

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

Medium: MSL_850_121217 Medium parameters used: $f = 836.4$ MHz; $\sigma = 0.964$ mho/m; $\epsilon_r = 54.526$; ρ

$= 1000$ kg/m³

Ambient Temperature : 22.4 °C ; Liquid Temperature : 21.4 °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/Ch4182/Area Scan (81x91x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.933 mW/g

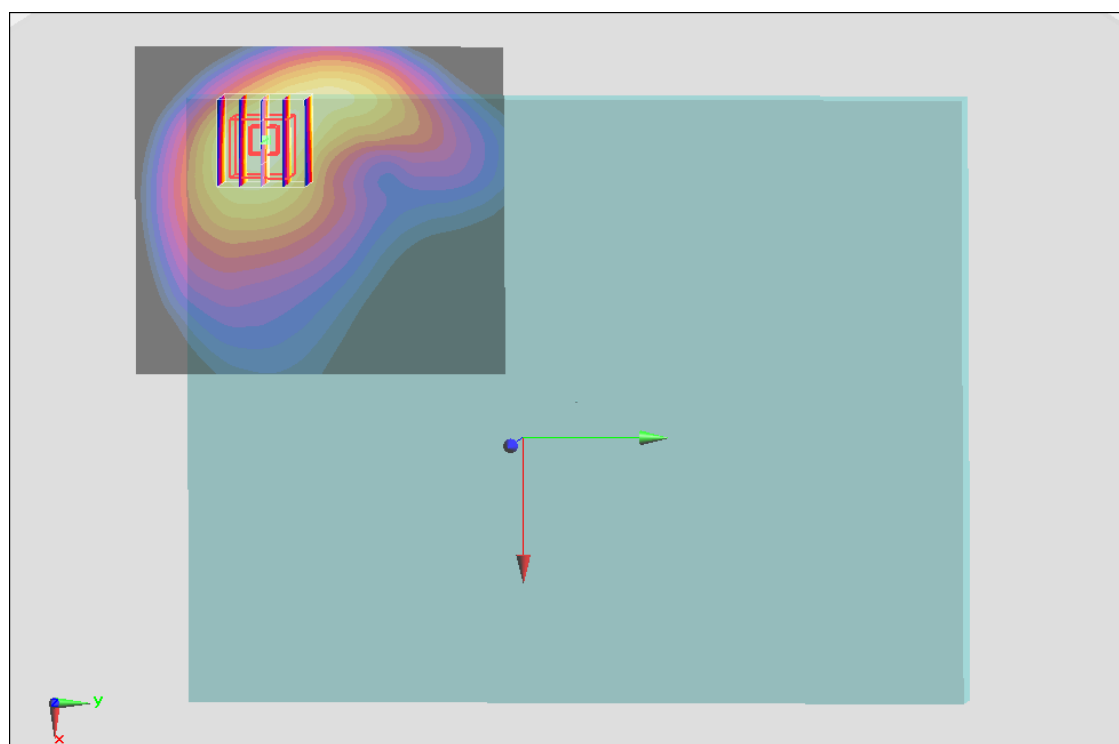
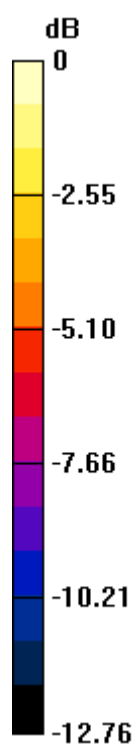
Configuration/Ch4182/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 31.987 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 1.297 mW/g

SAR(1 g) = 0.830 mW/g; SAR(10 g) = 0.520 mW/g

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



0 dB = 0.908 mW/g = -0.84 dB mW/g

#31_WCDMA V_HSUPA_Bottom Face_0cm_Ch4233**DUT: 2N2103-01**

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

Medium: MSL_850_121217 Medium parameters used: $f = 847$ MHz; $\sigma = 0.974$ mho/m; $\epsilon_r = 54.432$; $\rho =$

1000 kg/m^3

Ambient Temperature : 22.4°C ; Liquid Temperature : 21.4°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/Ch4233/Area Scan (81x91x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Maximum value of SAR (interpolated) = 1.12 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 = 34.734 V/m ; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 1.528 mW/g

SAR(1 g) = 0.989 mW/g ; SAR(10 g) = 0.621 mW/g

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

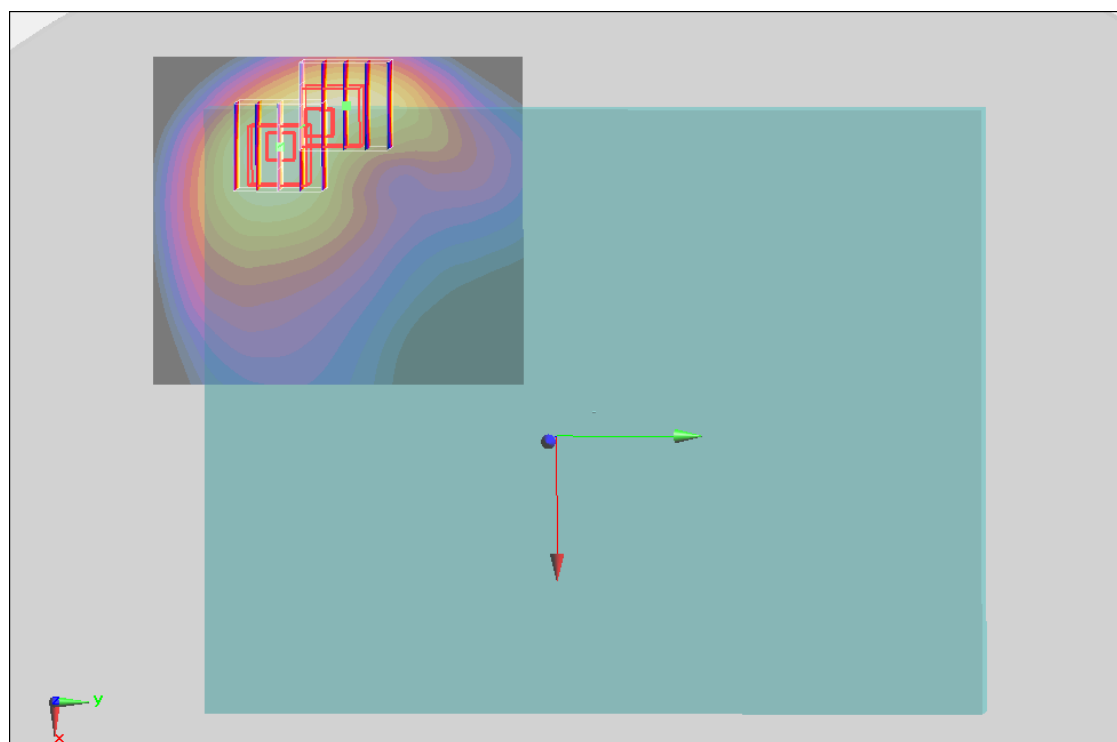
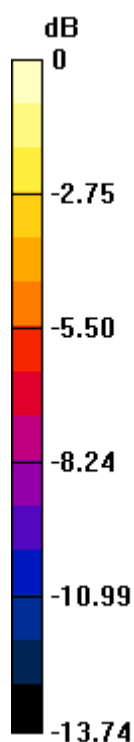
Configuration/Ch4233/Zoom Scan (5x5x7)/Cube 1: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 34.734 V/m ; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 1.458 mW/g

SAR(1 g) = 0.889 mW/g ; SAR(10 g) = 0.527 mW/g

Maximum value of SAR (measured) = 1.00 mW/g



0 dB = 1.00 mW/g = 0.00 dB mW/g

#32_WCDMA V_HSUPA_Bottom Face_0cm_Ch4132**DUT: 2N2103-01**

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

Medium: MSL_850_121217 Medium parameters used : $f = 826.4$ MHz; $\sigma = 0.955$ mho/m; $\epsilon_r = 54.63$; $\rho =$

1000 kg/m³

Ambient Temperature : 22.4 °C ; Liquid Temperature : 21.4 °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/Ch4132/Area Scan (81x91x1): Measurement grid: $dx=15$ mm, $dy=15$ mm
Maximum value of SAR (interpolated) = 0.852 mW/g

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

Reference Value = 30.623 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 1.180 mW/g

SAR(1 g) = 0.757 mW/g; SAR(10 g) = 0.477 mW/g

Maximum value of SAR (measured) = 0.827 mW/g

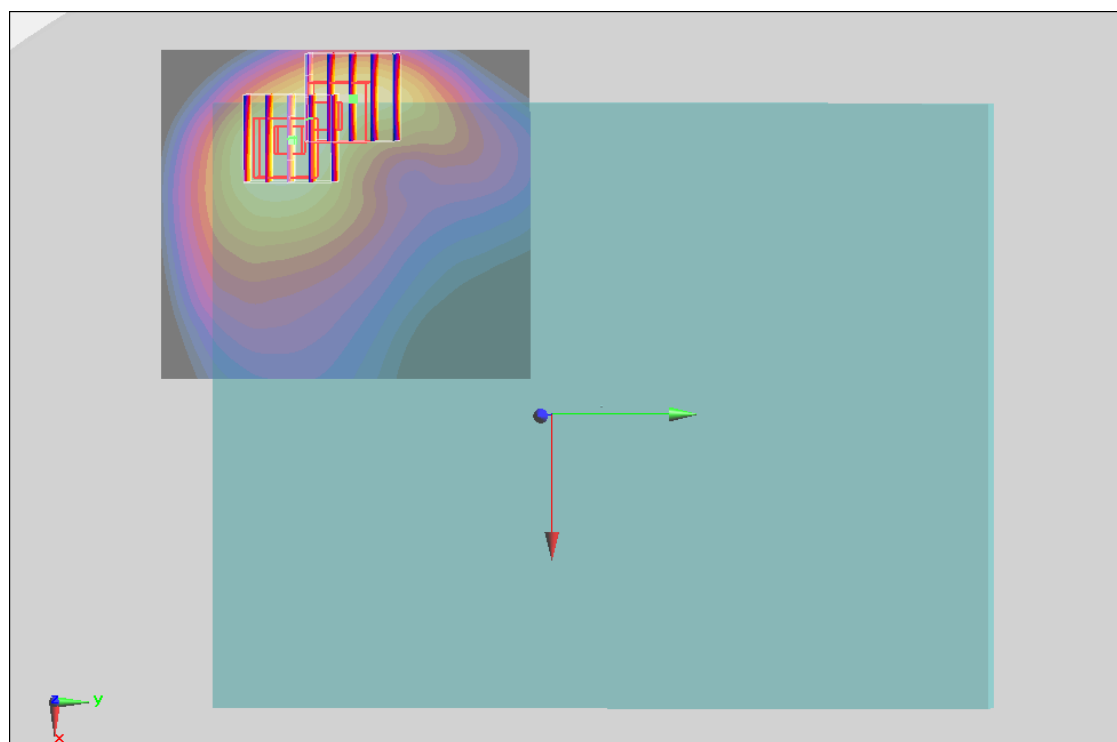
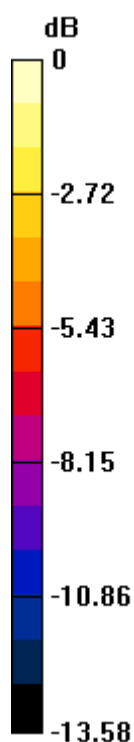
Configuration/Ch4132/Zoom Scan (5x5x7)/Cube 1: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 30.623 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 1.143 mW/g

SAR(1 g) = 0.665 mW/g; SAR(10 g) = 0.390 mW/g

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



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

#33_WCDMA V_HSUPA_Bottom Face_0cm_Ch4182**DUT: 2N2103-01**

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

Medium: MSL_850_121217 Medium parameters used : $f = 836.4$ MHz; $\sigma = 0.964$ mho/m; $\epsilon_r = 54.526$; $\rho =$

1000 kg/m^3

Ambient Temperature : 22.4°C ; Liquid Temperature : 21.4°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/Ch4182/Area Scan (81x91x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$
Maximum value of SAR (interpolated) = 1.09 mW/g

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

Reference Value = 34.466 V/m ; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 1.485 mW/g

SAR(1 g) = 0.967 mW/g ; SAR(10 g) = 0.609 mW/g

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

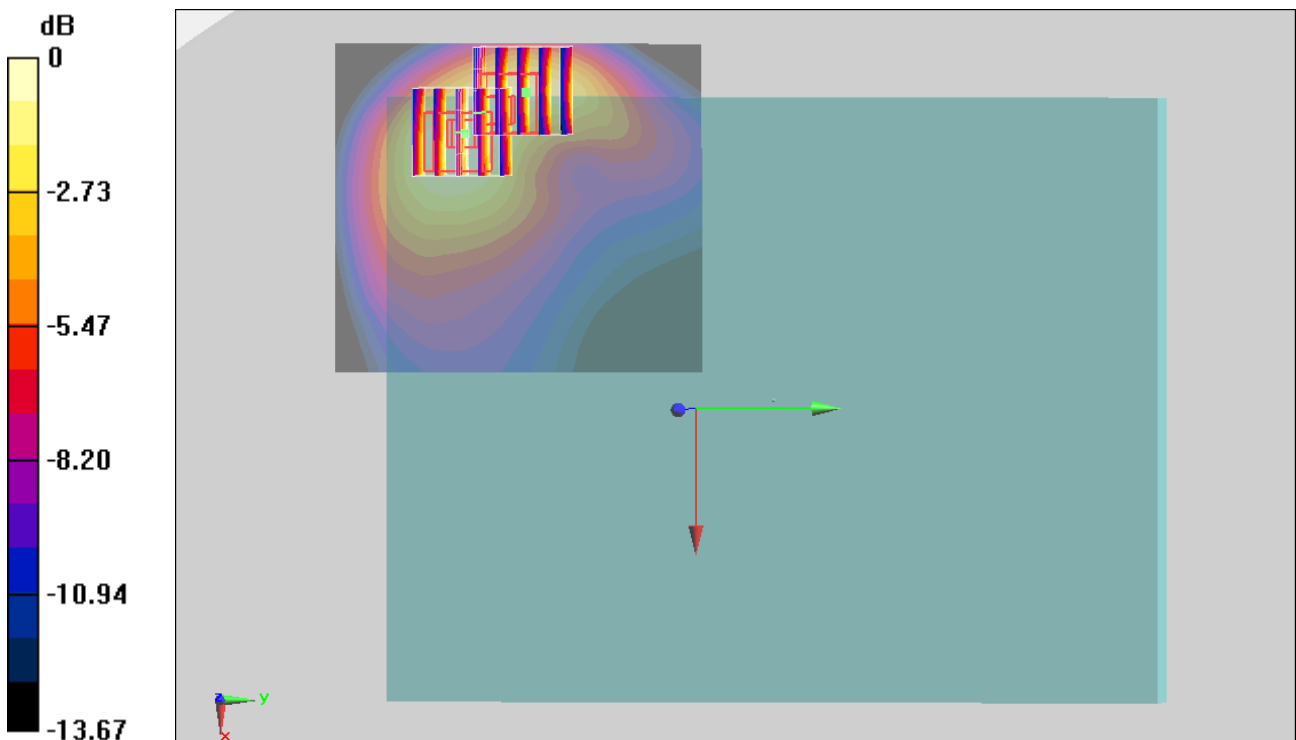
Configuration/Ch4182/Zoom Scan (5x5x7)/Cube 1: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 34.466 V/m ; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 1.403 mW/g

SAR(1 g) = 0.850 mW/g ; SAR(10 g) = 0.504 mW/g

Maximum value of SAR (measured) = 0.959 mW/g



0 dB = 0.959 mW/g = -0.36 dB mW/g

#19_WCDMA V_RMC12.2K_Edge 3_0cm_Ch4233**DUT: 2N2103-01**

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

Medium: MSL_850_121217 Medium parameters used: $f = 847$ MHz; $\sigma = 0.974$ mho/m; $\epsilon_r = 54.432$; $\rho =$

1000 kg/m^3

Ambient Temperature : 22.4°C ; Liquid Temperature : 21.4°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/Ch4233/Area Scan (41x141x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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

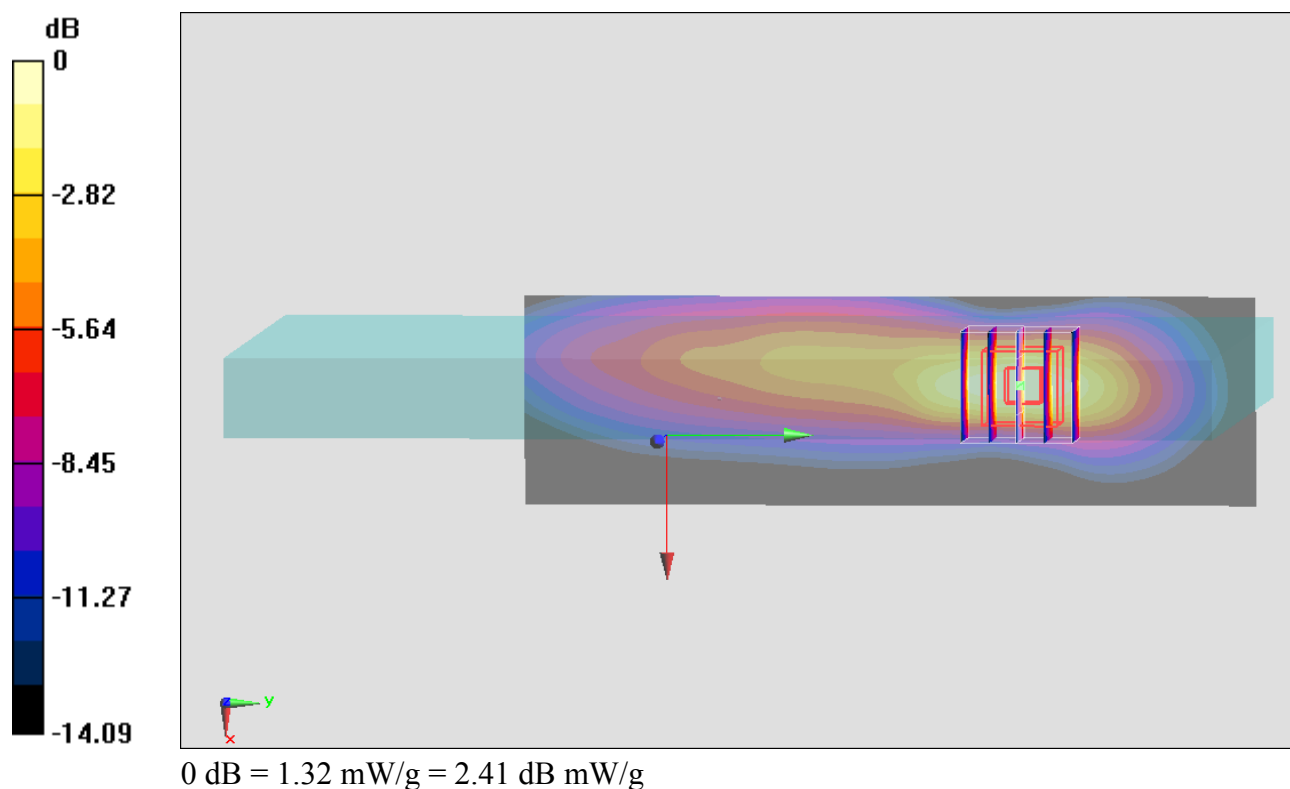
Configuration/Ch4233/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 38.541 V/m ; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 2.108 mW/g

SAR(1 g) = 1.15 mW/g ; SAR(10 g) = 0.602 mW/g

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



#20_WCDMA V_RMC12.2K_Edge 3_0cm_Ch4132**DUT: 2N2103-01**

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

Medium: MSL_850_121217 Medium parameters used: $f = 826.4$ MHz; $\sigma = 0.955$ mho/m; $\epsilon_r = 54.63$; $\rho =$

1000 kg/m^3

Ambient Temperature : 22.4°C ; Liquid Temperature : 21.4°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/Ch4132/Area Scan (41x141x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$
Maximum value of SAR (interpolated) = 1.19 mW/g

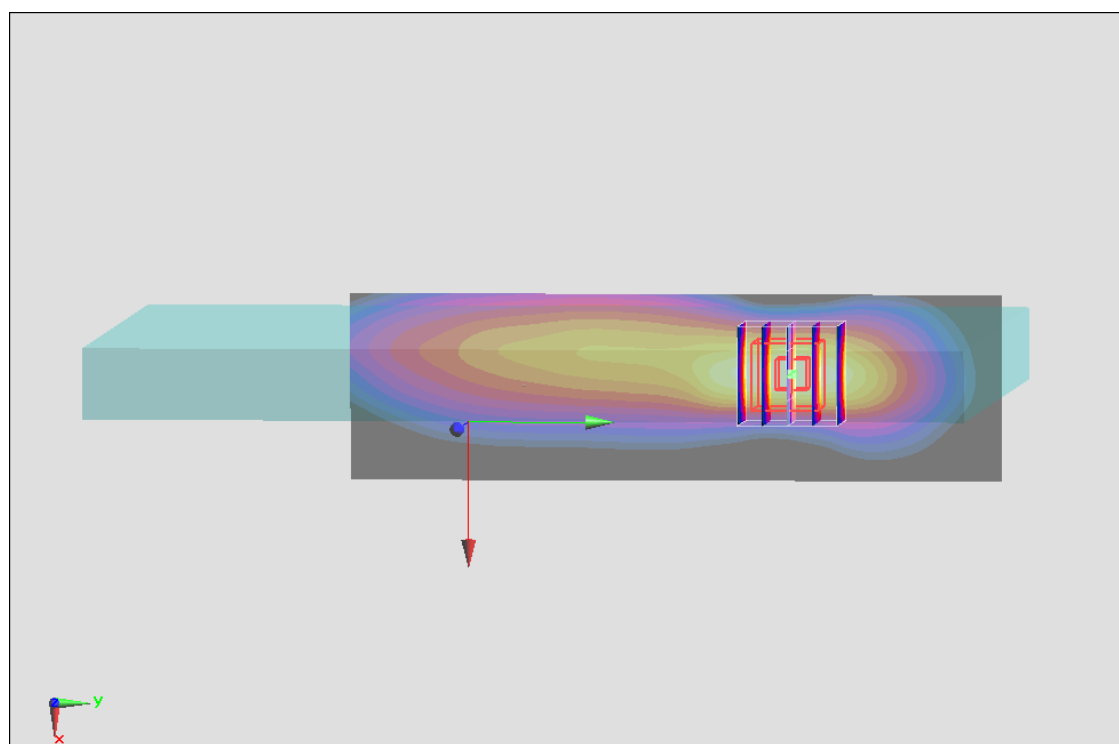
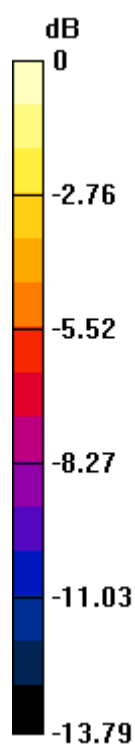
Configuration/Ch4132/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 36.507 V/m ; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 1.862 mW/g

SAR(1 g) = 1.01 mW/g ; SAR(10 g) = 0.528 mW/g

Maximum value of SAR (measured) = 1.14 mW/g



0 dB = 1.14 mW/g = 1.14 dB mW/g

#21_WCDMA V_RMC12.2K_Edge 3_0cm_Ch4182**DUT: 2N2103-01**

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

Medium: MSL_850_121217 Medium parameters used: $f = 836.4$ MHz; $\sigma = 0.964$ mho/m; $\epsilon_r = 54.526$; ρ

$= 1000$ kg/m³

Ambient Temperature : 22.4 °C; Liquid Temperature : 21.4 °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/Ch4182/Area Scan (41x141x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 1.15 mW/g

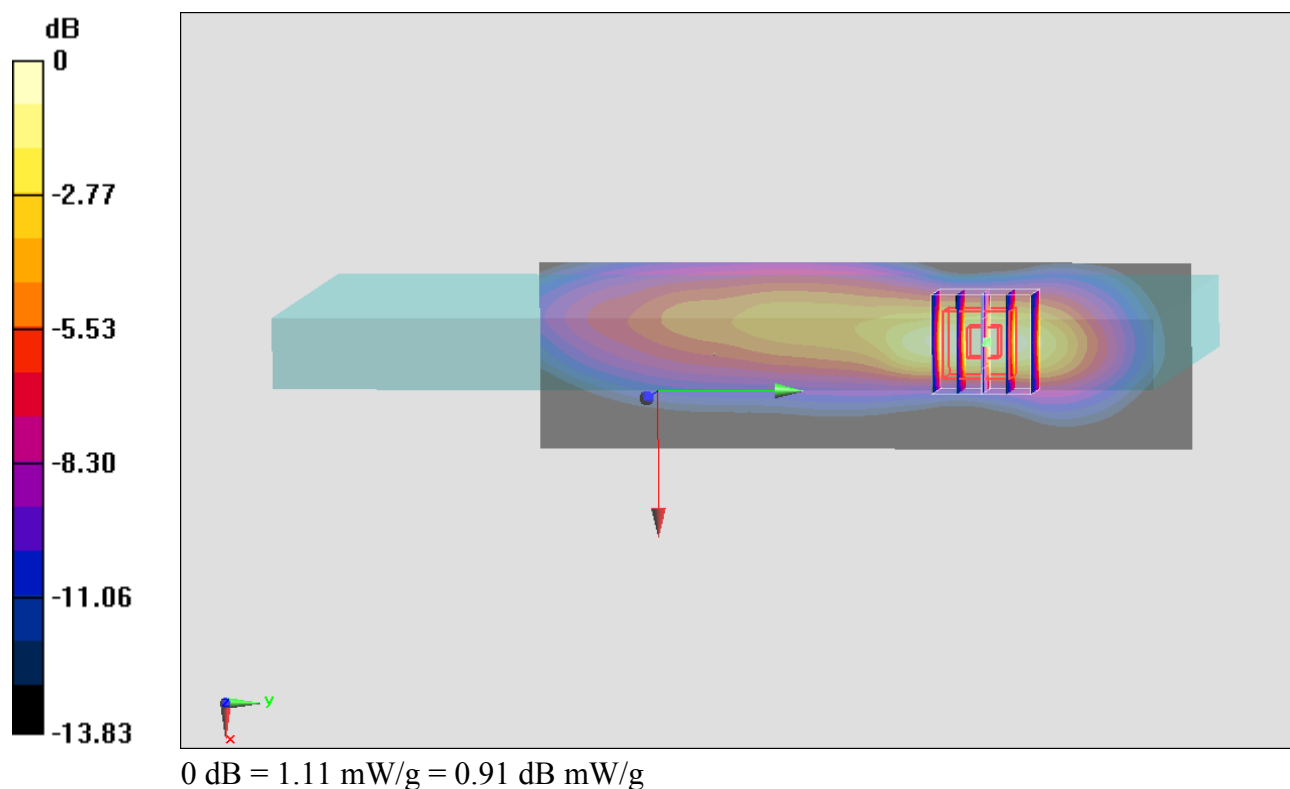
Configuration/Ch4182/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 35.709 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 1.799 mW/g

SAR(1 g) = 0.980 mW/g; SAR(10 g) = 0.514 mW/g

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



#34_WCDMA V_RMC12.2K_Edge 4_0cm_Ch4233**DUT: 2N2103-01**

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

Medium: MSL_850_121217 Medium parameters used: $f = 847$ MHz; $\sigma = 0.974$ mho/m; $\epsilon_r = 54.432$; $\rho =$

1000 kg/m^3

Ambient Temperature : 22.4°C ; Liquid Temperature : 21.4°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/Ch4233/Area Scan (41x181x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$
Maximum value of SAR (interpolated) = 0.645 mW/g

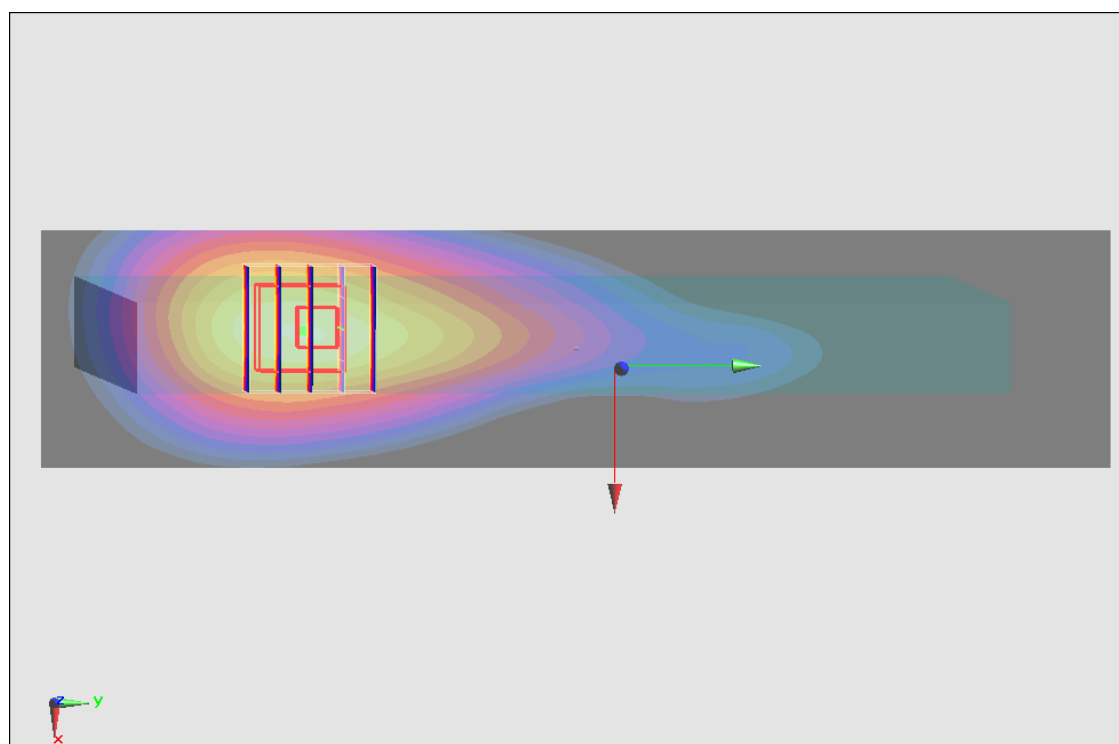
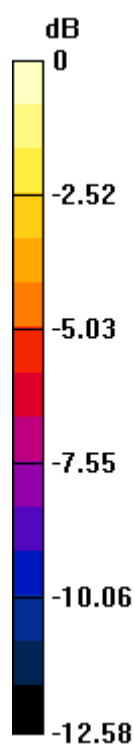
Configuration/Ch4233/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$,
 $dz=5\text{mm}$

Reference Value = 28.425 V/m ; Power Drift = 0.15 dB

Peak SAR (extrapolated) = 1.264 mW/g

SAR(1 g) = 0.671 mW/g ; SAR(10 g) = 0.386 mW/g

Maximum value of SAR (measured) = 0.764 mW/g



0 dB = 0.764 mW/g = -2.34 dB mW/g

#35_WCDMA V_RMC12.2K_Bottom_0cm_Ch4233**DUT: 2N2103-01**

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

Medium: MSL_850_121217 Medium parameters used: $f = 847$ MHz; $\sigma = 0.974$ mho/m; $\epsilon_r = 54.432$; $\rho =$

1000 kg/m^3

Ambient Temperature : 22.4°C ; Liquid Temperature : 21.4°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/Ch4233/Area Scan (81x101x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Maximum value of SAR (interpolated) = 1.12 mW/g

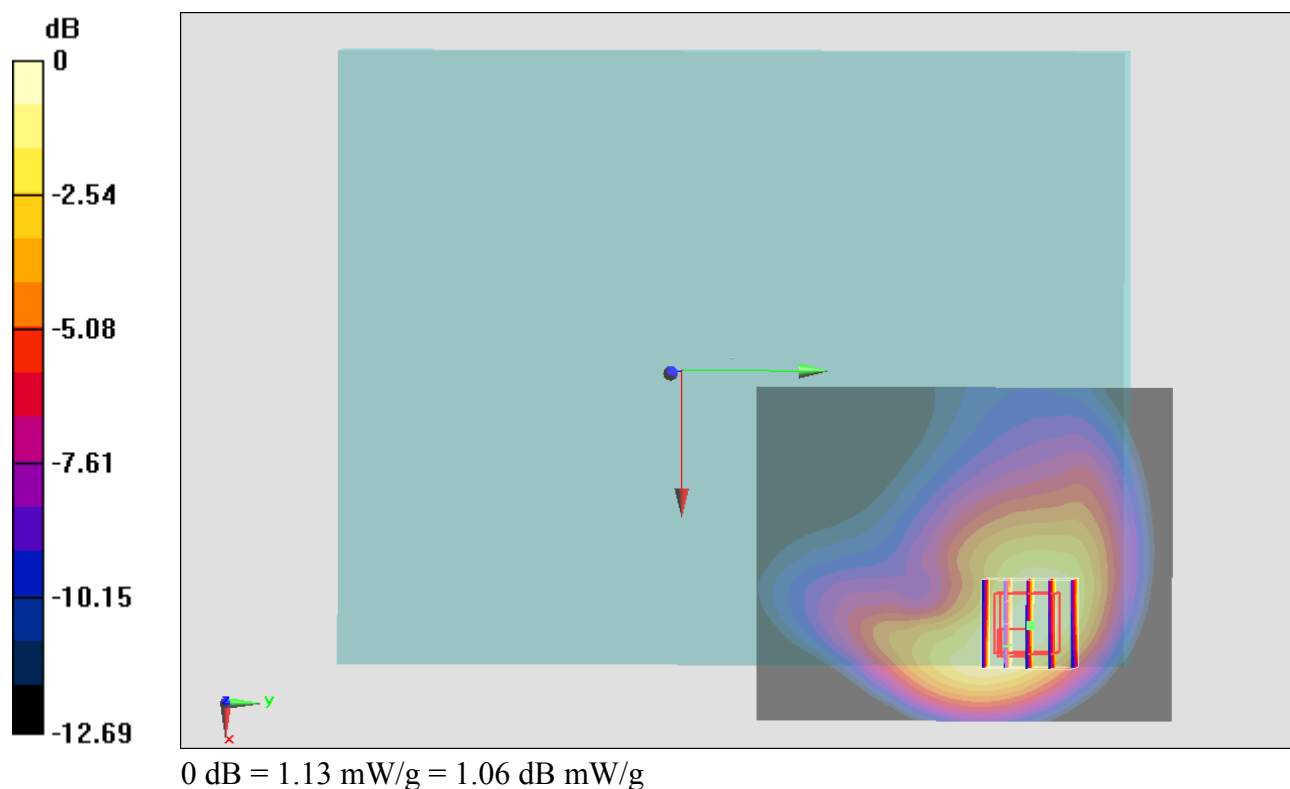
Configuration/Ch4233/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 34.550 V/m ; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 1.613 mW/g

SAR(1 g) = 1.01 mW/g ; SAR(10 g) = 0.637 mW/g

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



#36_WCDMA V_RMC12.2K_Bottom_0cm_Ch4132**DUT: 2N2103-01**

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

Medium: MSL_850_121217 Medium parameters used : $f = 826.4$ MHz; $\sigma = 0.955$ mho/m; $\epsilon_r = 54.63$; $\rho =$

1000 kg/m^3

Ambient Temperature : 22.4°C ; Liquid Temperature : 21.4°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/Ch4132/Area Scan (81x101x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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

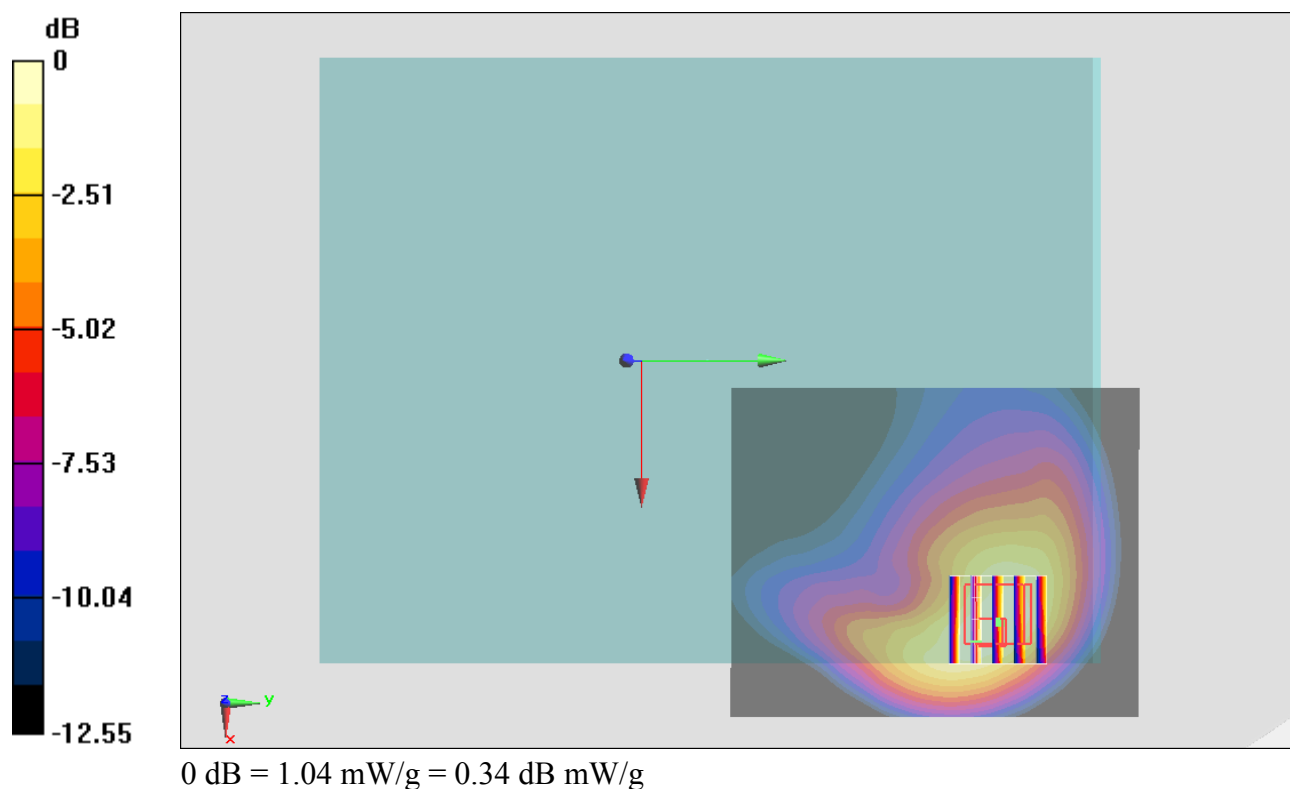
Configuration/Ch4132/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 34.014 V/m ; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 1.497 mW/g

SAR(1 g) = 0.950 mW/g ; SAR(10 g) = 0.609 mW/g

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



#37_WCDMA V_RMC12.2K_Bottom_0cm_Ch4182**DUT: 2N2103-01**

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

Medium: MSL_850_121217 Medium parameters used : $f = 836.4$ MHz; $\sigma = 0.964$ mho/m; $\epsilon_r = 54.526$; ρ

$= 1000$ kg/m³

Ambient Temperature : 22.4 °C ; Liquid Temperature : 21.4 °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/Ch4182/Area Scan (81x101x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 1.12 mW/g

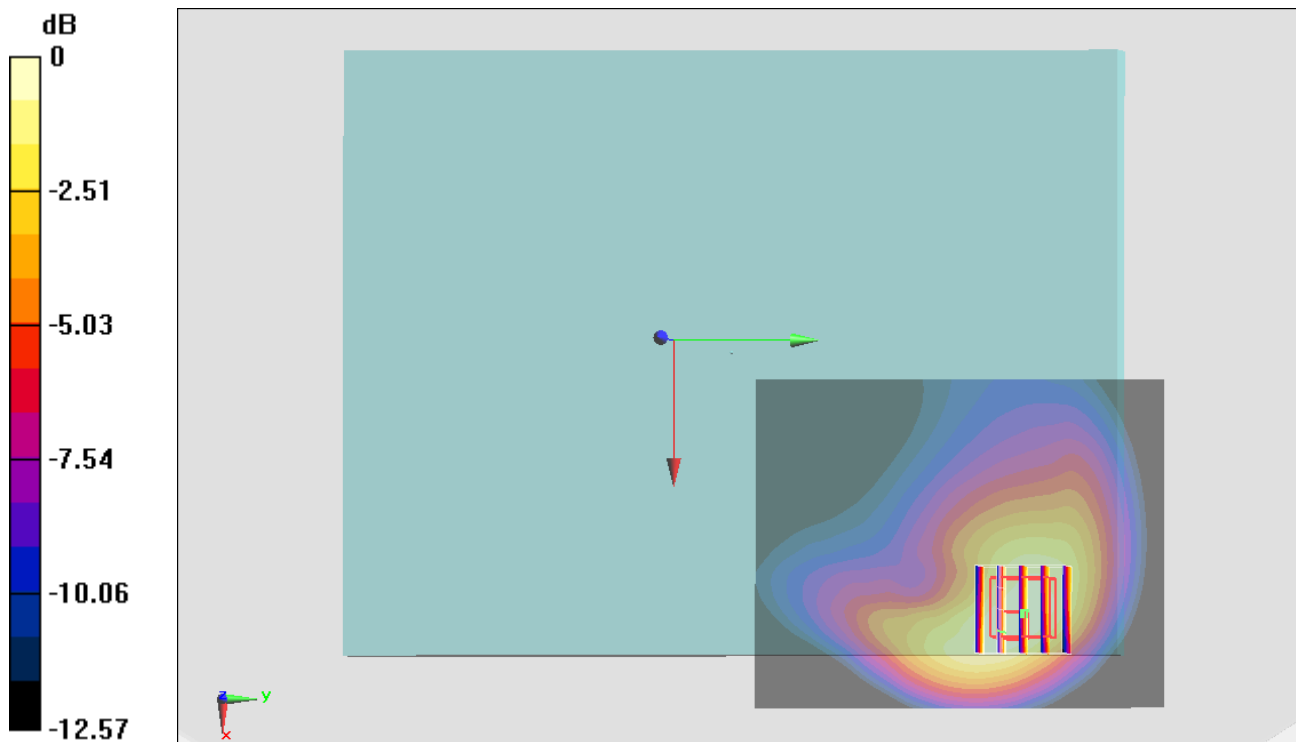
Configuration/Ch4182/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 34.291 V/m; Power Drift = 0.00 dB

Peak SAR (extrapolated) = 1.543 mW/g

SAR(1 g) = 0.982 mW/g; SAR(10 g) = 0.626 mW/g

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



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

#119_WCDMA IV_RMC12.2K_Bottom Face_1cm_Ch1312**DUT: 2N2103-01**

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

Medium: MSL_1750_121219 Medium parameters used : $f = 1712.4$ MHz; $\sigma = 1.502$ mho/m; $\epsilon_r = 51.622$; $\rho = 1000$ 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/Ch1312/Area Scan (81x91x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.613 mW/g

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

Reference Value = 22.134 V/m; Power Drift = -0.07 dB

Peak SAR (extrapolated) = 0.824 mW/g

SAR(1 g) = 0.560 mW/g; SAR(10 g) = 0.341 mW/g

Maximum value of SAR (measured) = 0.612 mW/g

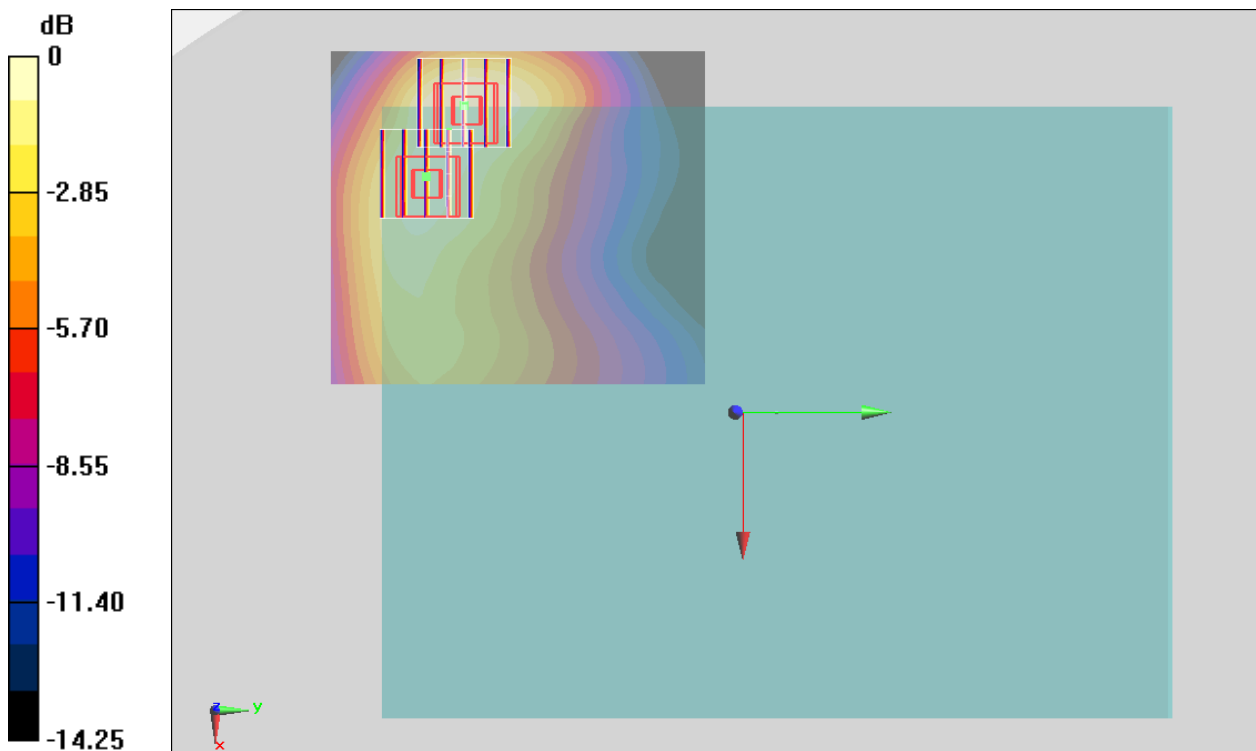
Configuration/Ch1312/Zoom Scan (5x5x7)/Cube 1: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 22.134 V/m; Power Drift = -0.07 dB

Peak SAR (extrapolated) = 0.727 mW/g

SAR(1 g) = 0.463 mW/g; SAR(10 g) = 0.306 mW/g

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



0 dB = 0.537 mW/g = -5.40 dB mW/g

#105_WCDMA IV_RMC12.2K_Bottom Face_0cm_Ch1413**DUT: 2N2103-01**

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

Medium: MSL_1750_121219 Medium parameters used: $f = 1733$ MHz; $\sigma = 1.528$ mho/m; $\epsilon_r = 51.559$; 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/Ch1413/Area Scan (81x91x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.750 mW/g

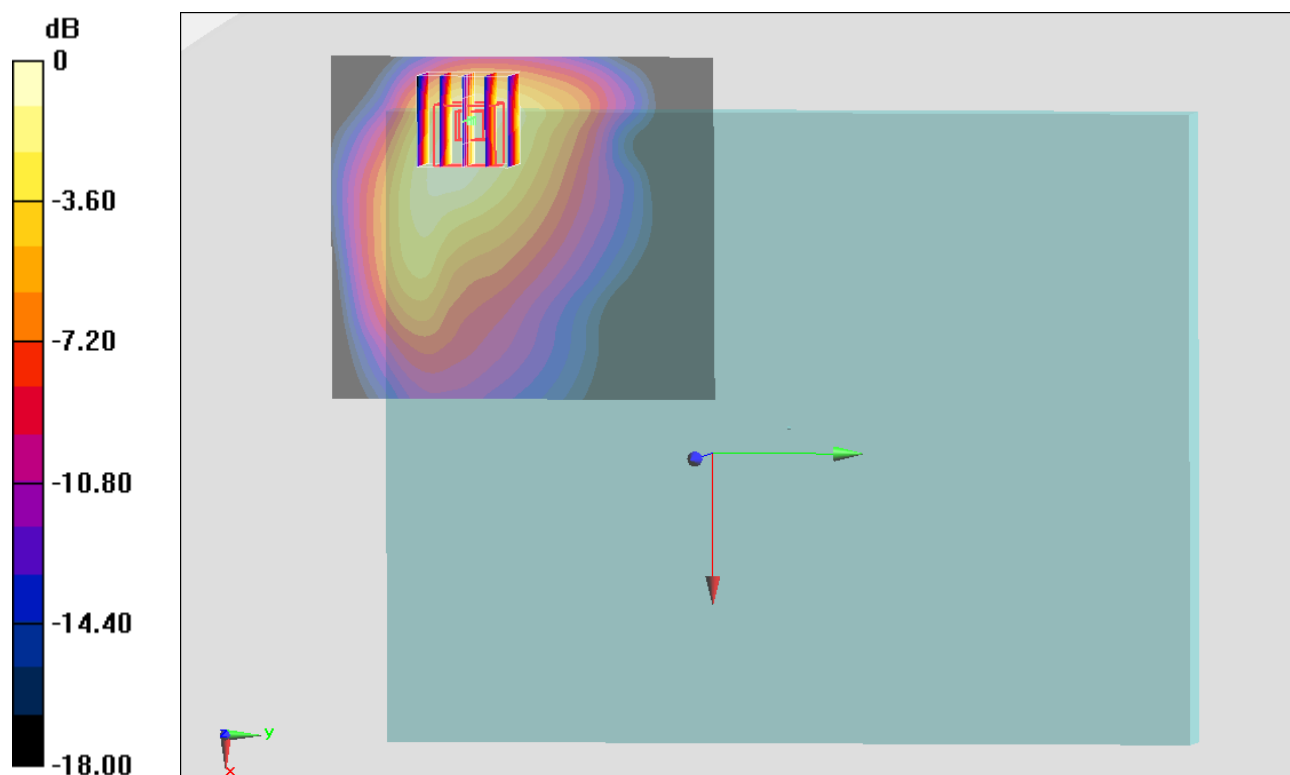
Configuration/Ch1413/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 25.204 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 1.178 mW/g

SAR(1 g) = 0.690 mW/g; SAR(10 g) = 0.406 mW/g

Maximum value of SAR (measured) = 0.799 mW/g



#106_WCDMA IV_RMC12.2K_Edge 3_0cm_Ch1413**DUT: 2N2103-01**

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

Medium: MSL_1750_121219 Medium parameters used: $f = 1733$ MHz; $\sigma = 1.528$ mho/m; $\epsilon_r = 51.559$; 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/Ch1413/Area Scan (41x131x1) Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.921 mW/g

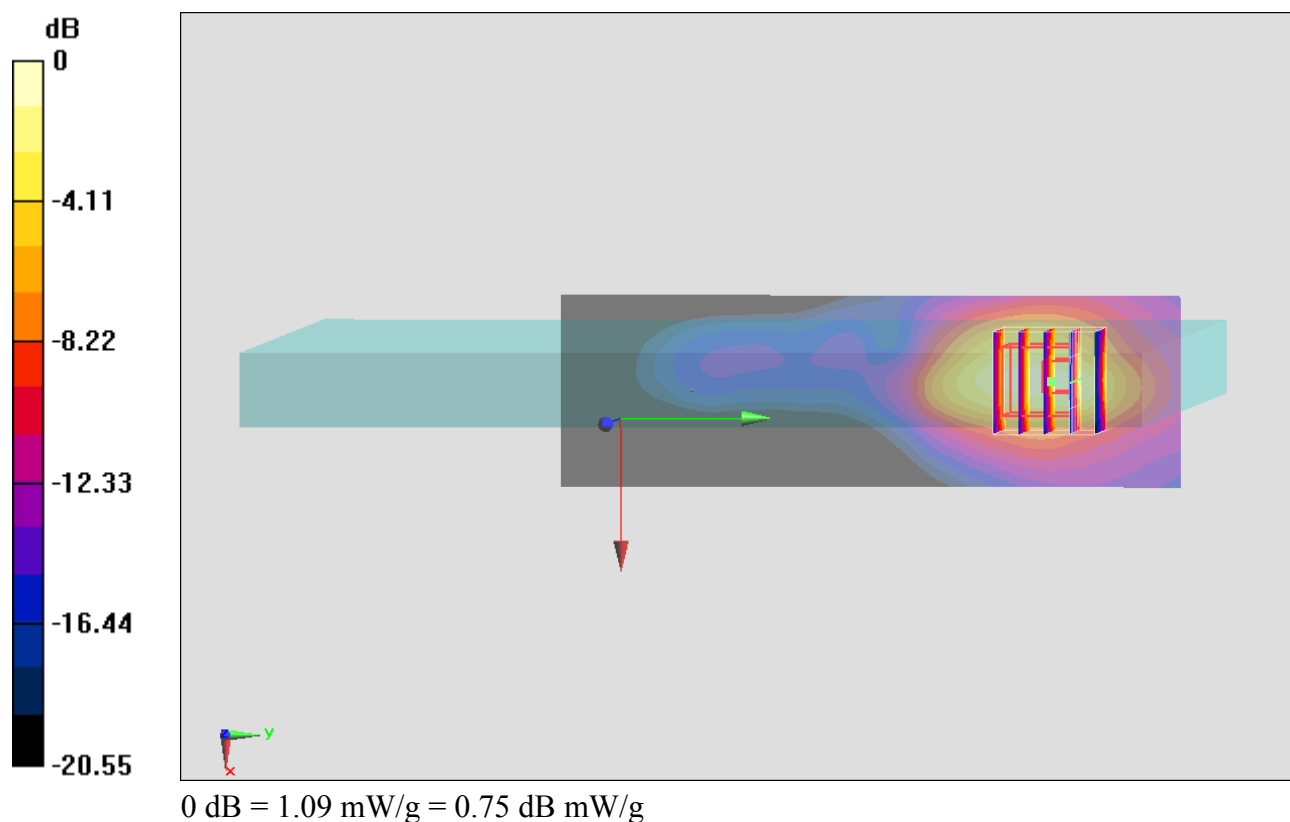
Configuration/Ch1413/Zoom Scan (5x5x7)/Cube 0 Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 28.581 V/m; Power Drift = 0.09 dB

Peak SAR (extrapolated) = 1.753 mW/g

SAR(1 g) = 0.895 mW/g; SAR(10 g) = 0.447 mW/g

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



#107_WCDMA IV_RMC12.2K_Edge 3_0cm_Ch1312**DUT: 2N2103-01**

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

Medium: MSL_1750_121219 Medium parameters used: $f = 1712.4$ MHz; $\sigma = 1.502$ mho/m; $\epsilon_r = 51.622$;

$\rho = 1000$ 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/Ch1312/Area Scan (41x131x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.993 mW/g

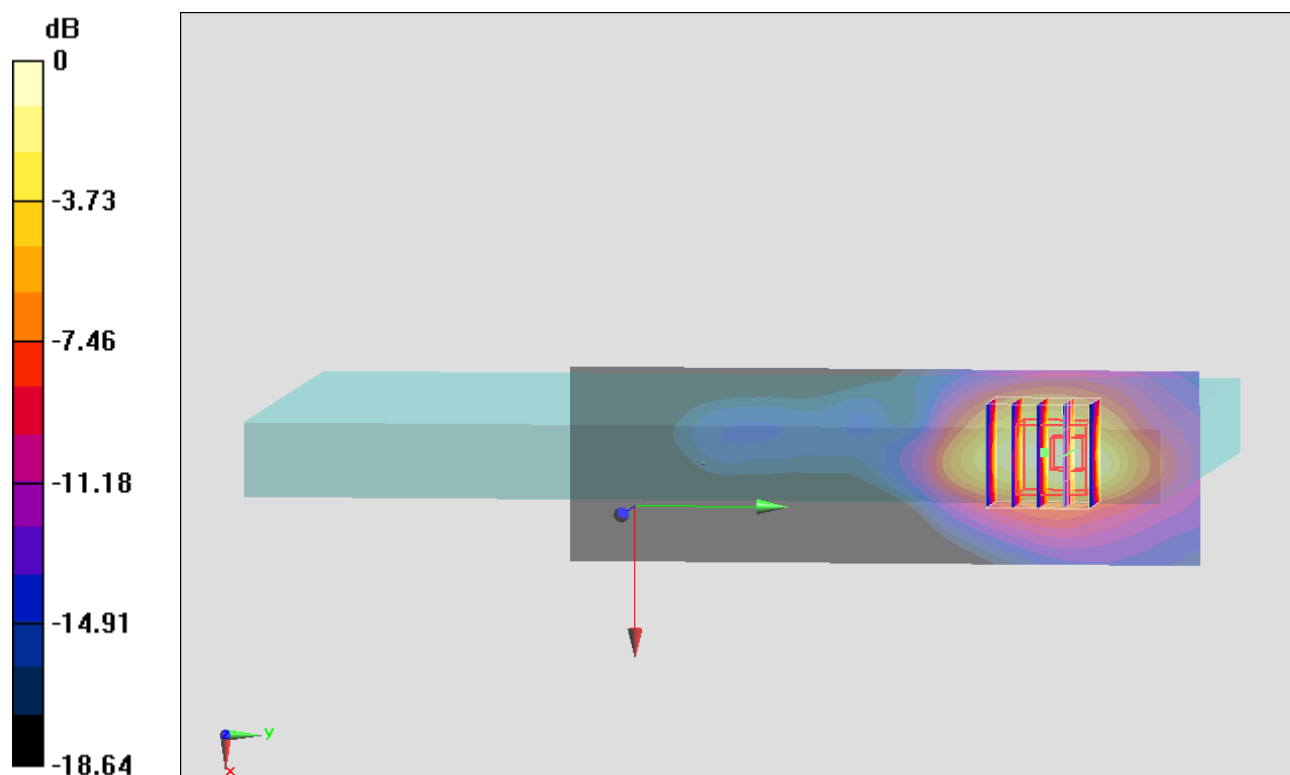
Configuration/Ch1312/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 28.810 V/m; Power Drift = -0.10 dB

Peak SAR (extrapolated) = 1.742 mW/g

SAR(1 g) = 0.952 mW/g; SAR(10 g) = 0.480 mW/g

Maximum value of SAR (measured) = 1.16 mW/g



0 dB = 1.16 mW/g = 1.29 dB mW/g

#108_WCDMA IV_RMC12.2K_Edge 3_0cm_Ch1513**DUT: 2N2103-01**

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

Medium: MSL_1750_121219 Medium parameters used: $f = 1753$ MHz; $\sigma = 1.547$ mho/m; $\epsilon_r = 51.509$; 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/Ch1513/Area Scan (41x131x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.850 mW/g

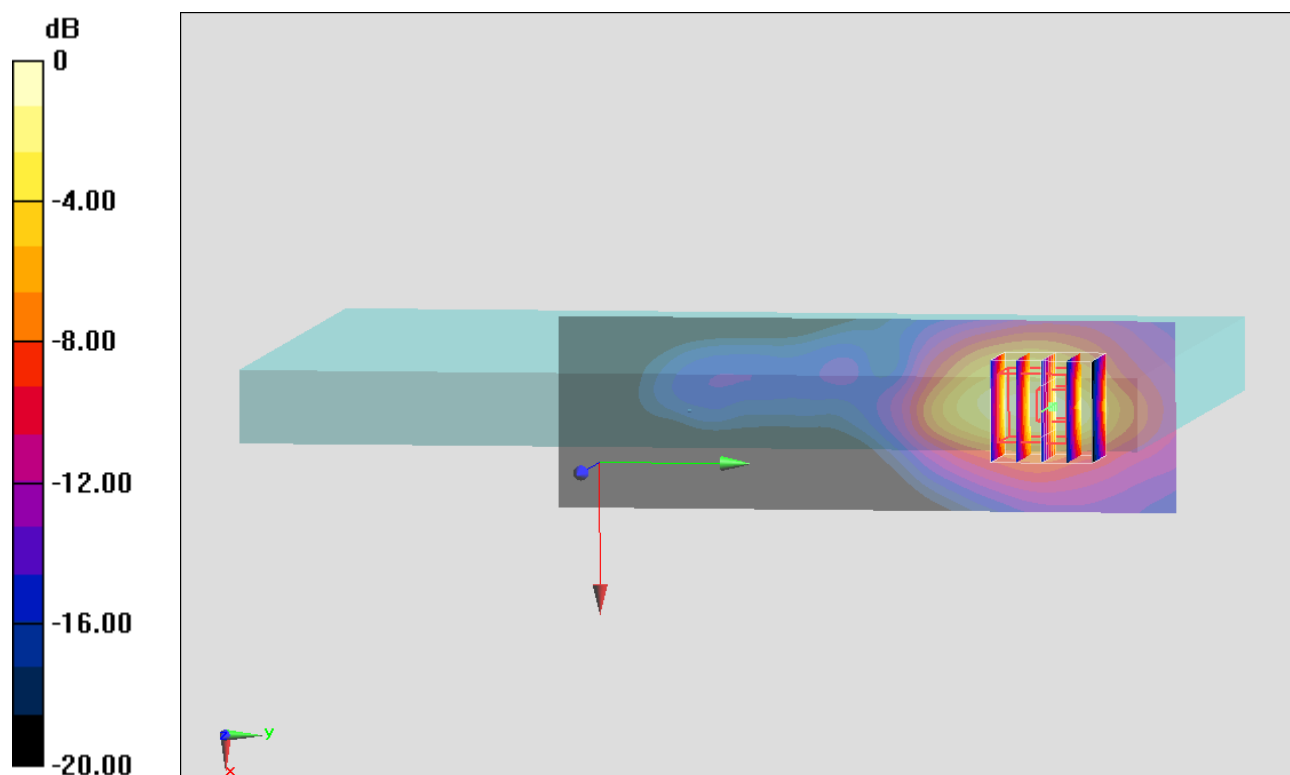
Configuration/Ch1513/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 27.512 V/m; Power Drift = 0.07 dB

Peak SAR (extrapolated) = 1.652 mW/g

SAR(1 g) = 0.837 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

#109_WCDMA IV_RMC12.2K_Edge 4_0cm_Ch1413**DUT: 2N2103-01**

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

Medium: MSL_1750_121219 Medium parameters used: $f = 1733$ MHz; $\sigma = 1.528$ mho/m; $\epsilon_r = 51.559$; 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/Ch1413/Area Scan (41x161x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 1.61 mW/g

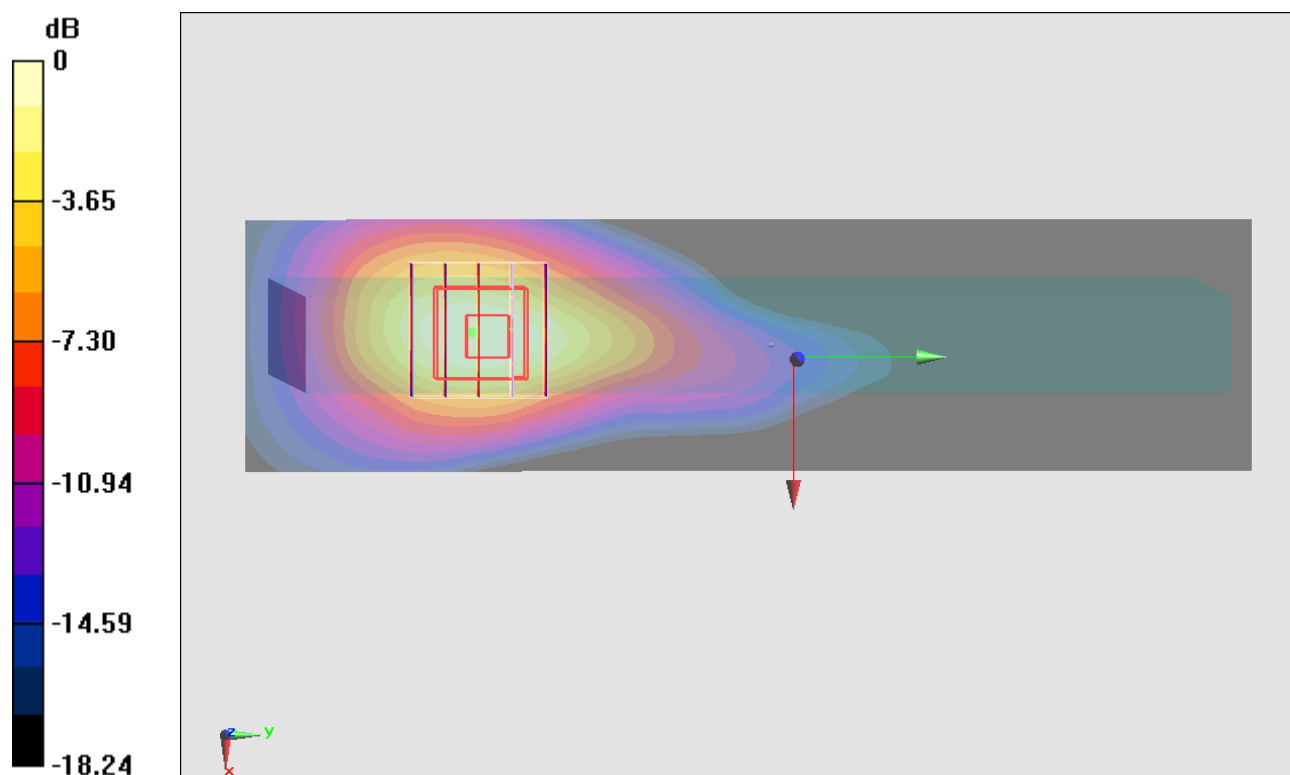
Configuration/Ch1413/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 33.462 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 1.981 mW/g

SAR(1 g) = 1.31 mW/g; SAR(10 g) = 0.726 mW/g

Maximum value of SAR (measured) = 1.49 mW/g



#109_WCDMA IV_RMC12.2K_Edge 4_0cm_Ch1413_2D**DUT: 2N2103-01**

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

Medium: MSL_1750_121219 Medium parameters used: $f = 1733$ MHz; $\sigma = 1.528$ mho/m; $\epsilon_r = 51.559$; 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/Ch1413/Area Scan (41x161x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 1.61 mW/g

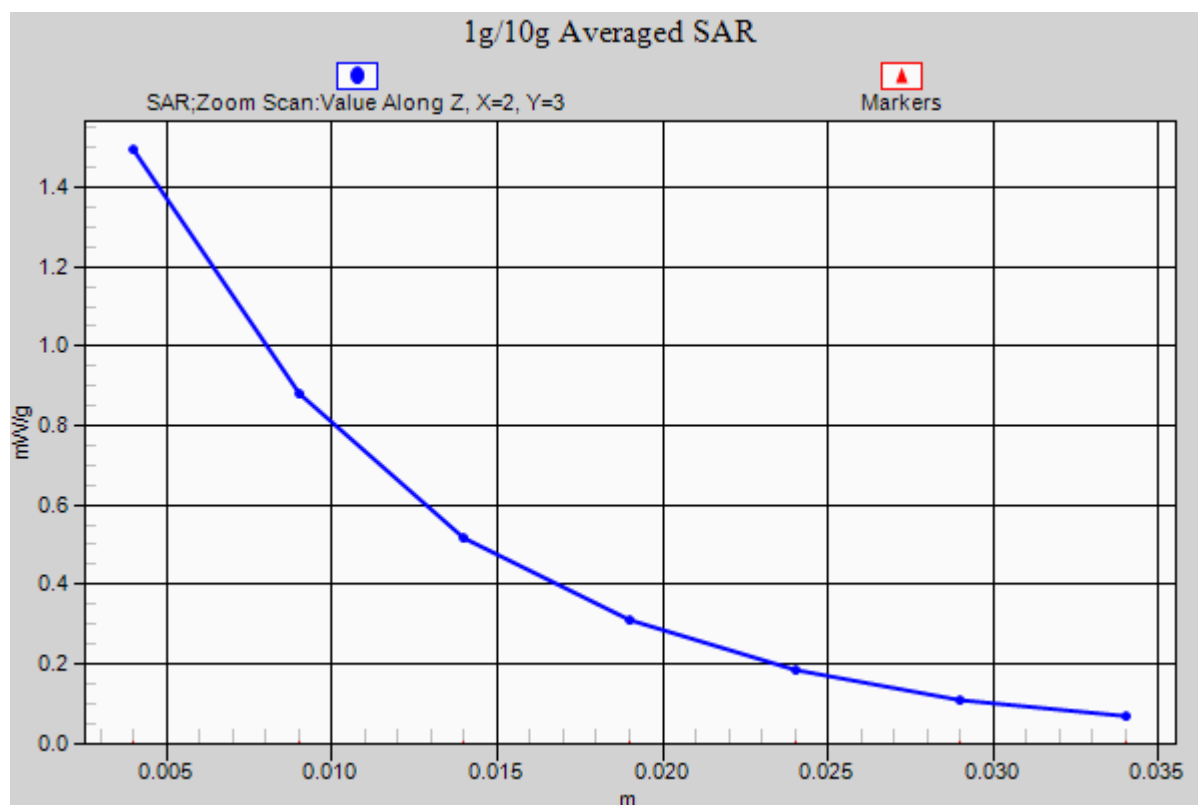
Configuration/Ch1413/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 33.462 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 1.981 mW/g

SAR(1 g) = 1.31 mW/g; SAR(10 g) = 0.726 mW/g

Maximum value of SAR (measured) = 1.49 mW/g



#120_WCDMA IV_RMC12.2K_Edge 4_0cm_Ch1413_Repeat**DUT: 2N2103-01**

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

Medium: MSL_1750_121219 Medium parameters used: $f = 1733$ MHz; $\sigma = 1.528$ mho/m; $\epsilon_r = 51.559$; 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/Ch1413/Area Scan (41x161x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 1.49 mW/g

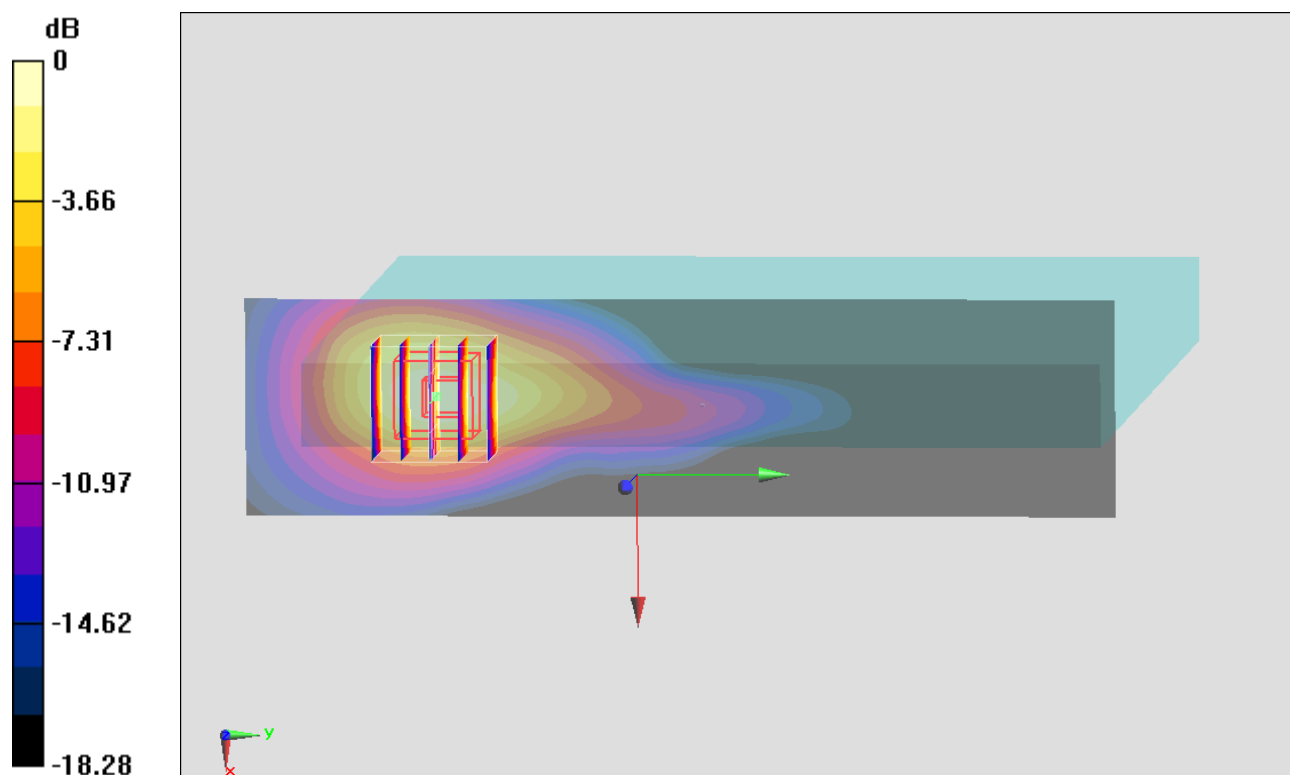
Configuration/Ch1413/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 32.994 V/m; Power Drift = -0.08 dB

Peak SAR (extrapolated) = 1.876 mW/g

SAR(1 g) = 1.26 mW/g; SAR(10 g) = 0.699 mW/g

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



#110_WCDMA IV_RMC12.2K_Edge 4_0cm_Ch1312**DUT: 2N2103-01**

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

Medium: MSL_1750_121219 Medium parameters used: $f = 1712.4$ MHz; $\sigma = 1.502$ mho/m; $\epsilon_r = 51.622$;

$\rho = 1000$ 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/Ch1312/Area Scan (41x161x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 1.45 mW/g

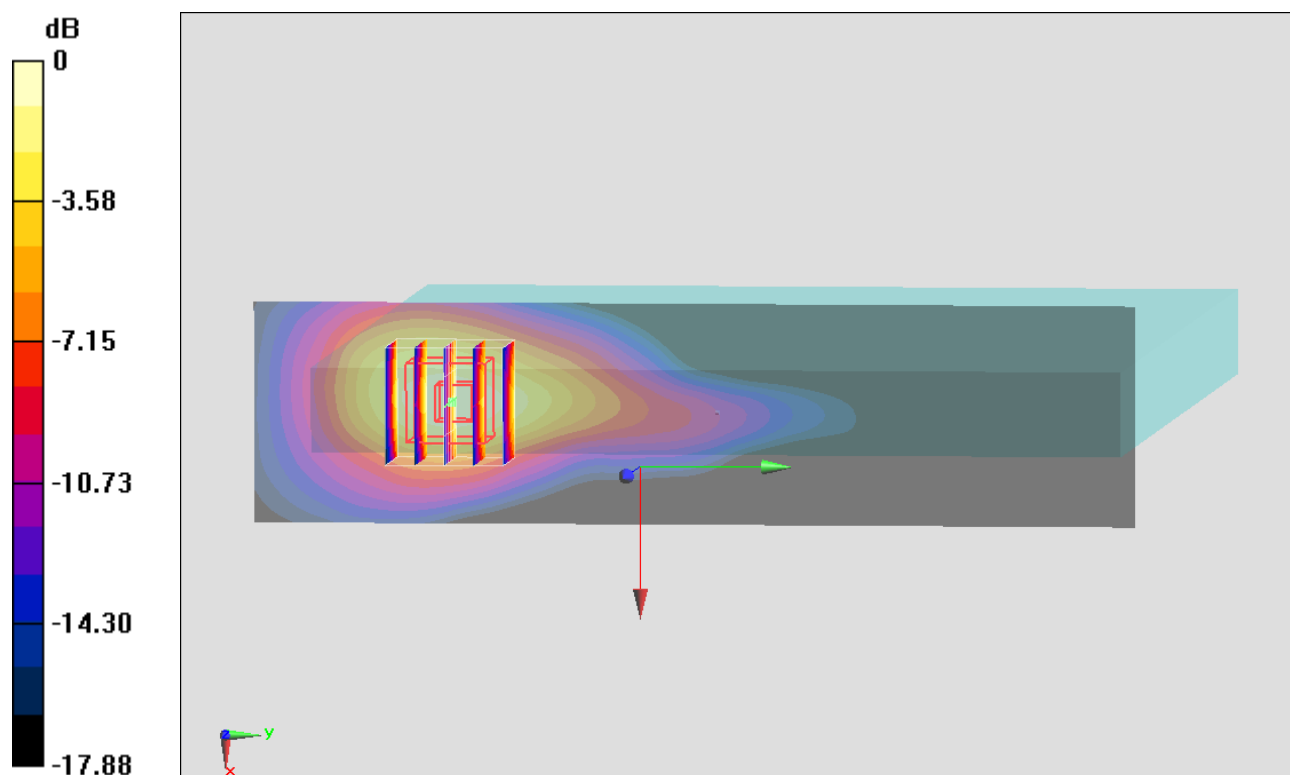
Configuration/Ch1312/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 32.959 V/m; Power Drift = 0.12 dB

Peak SAR (extrapolated) = 1.815 mW/g

SAR(1 g) = 1.22 mW/g; SAR(10 g) = 0.682 mW/g

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



#111_WCDMA IV_RMC12.2K_Edge 4_0cm_Ch1513**DUT: 2N2103-01**

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

Medium: MSL_1750_121219 Medium parameters used: $f = 1753$ MHz; $\sigma = 1.547$ mho/m; $\epsilon_r = 51.509$; 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/Ch1513/Area Scan (41x161x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 1.38 mW/g

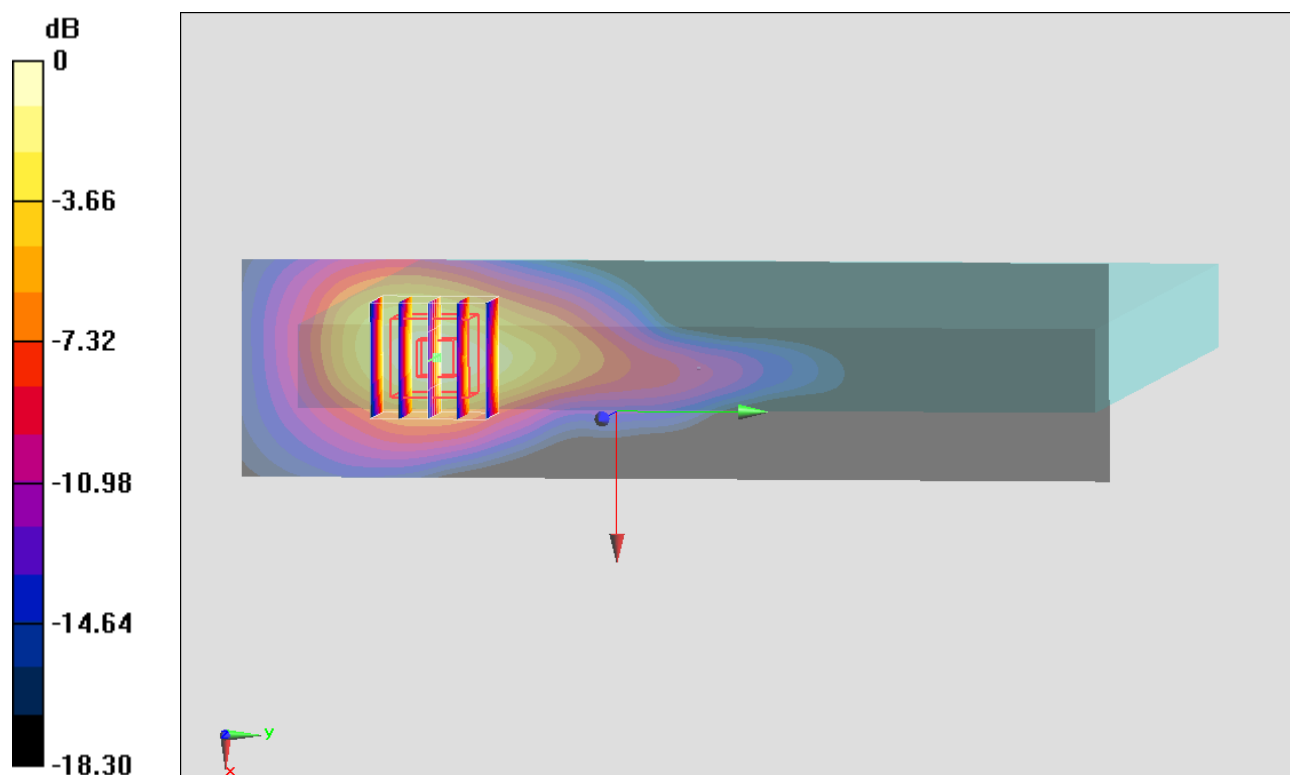
Configuration/Ch1513/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 31.956 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 1.778 mW/g

SAR(1 g) = 1.18 mW/g; SAR(10 g) = 0.651 mW/g

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



0 dB = 1.36 mW/g = 2.67 dB mW/g

#112_WCDMA IV_HSDPA_Edge 4_0cm_Ch1413**DUT: 2N2103-01**

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

Medium: MSL_1750_121219 Medium parameters used: $f = 1733$ MHz; $\sigma = 1.528$ mho/m; $\epsilon_r = 51.559$; 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/Ch1413/Area Scan (41x161x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 1.32 mW/g

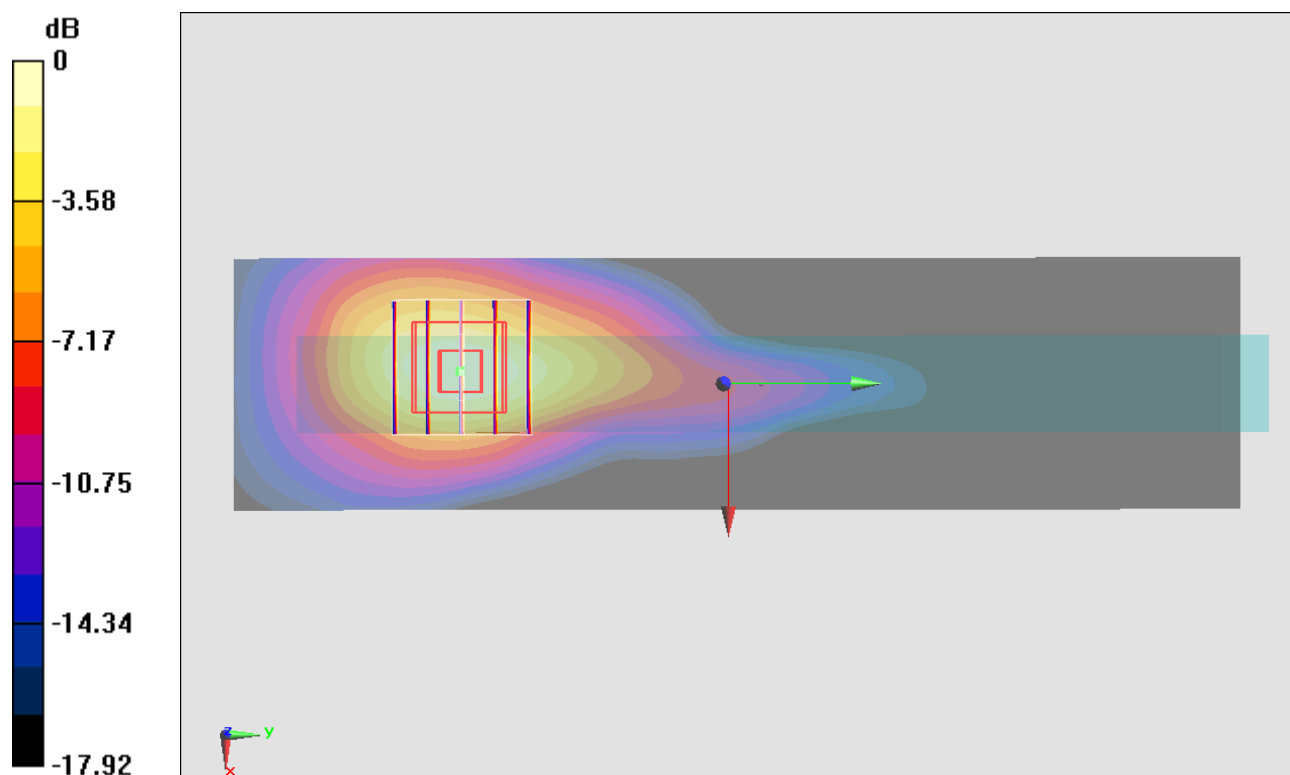
Configuration/Ch1413/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 31.273 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 1.674 mW/g

SAR(1 g) = 1.13 mW/g; SAR(10 g) = 0.623 mW/g

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



0 dB = 1.29 mW/g = 2.21 dB mW/g

#113_WCDMA IV_HSDPA_Edge 4_0cm_Ch1312**DUT: 2N2103-01**

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

Medium: MSL_1750_121219 Medium parameters used : $f = 1712.4$ MHz; $\sigma = 1.502$ mho/m; $\epsilon_r = 51.622$;

$\rho = 1000$ 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/Ch1312/Area Scan (41x161x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 1.28 mW/g

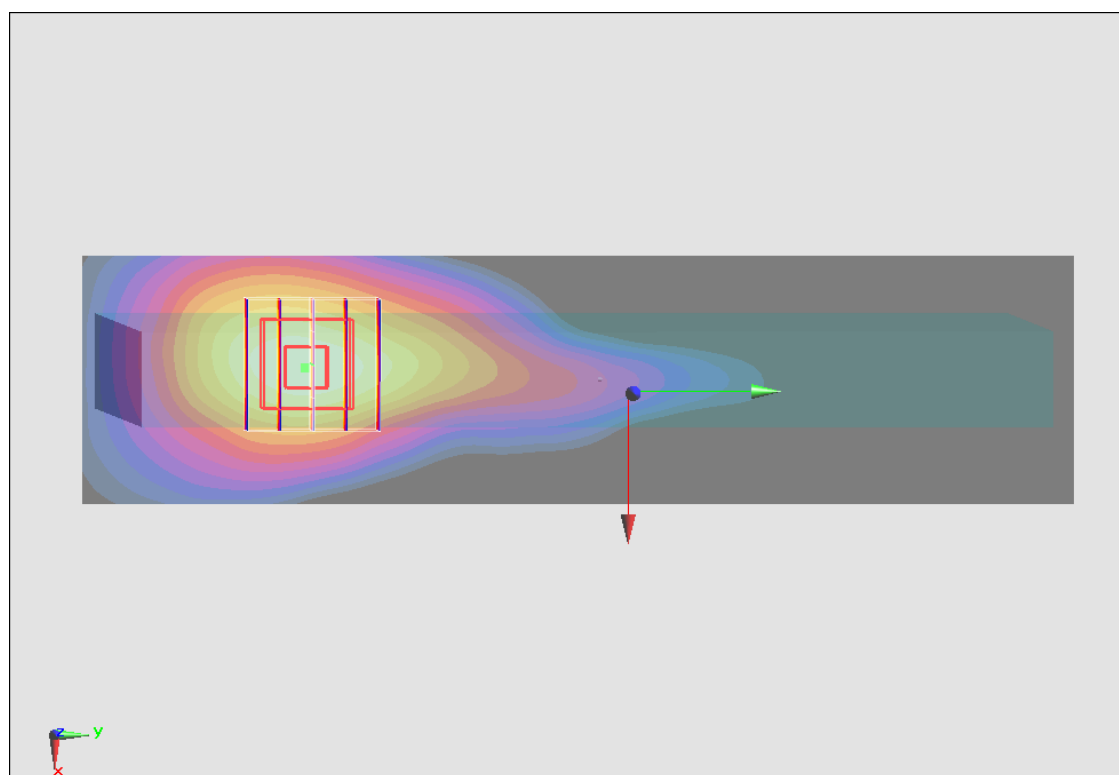
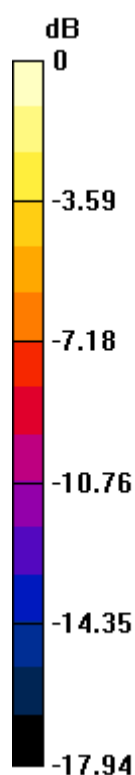
Configuration/Ch1312/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 31.130 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 1.633 mW/g

SAR(1 g) = 1.1 mW/g; SAR(10 g) = 0.611 mW/g

Maximum value of SAR (measured) = 1.26 mW/g



0 dB = 1.26 mW/g = 2.01 dB mW/g

#114_WCDMA IV_HSDPA_Edge 4_0cm_Ch1513**DUT: 2N2103-01**

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

Medium: MSL_1750_121219 Medium parameters used: $f = 1753$ MHz; $\sigma = 1.547$ mho/m; $\epsilon_r = 51.509$; 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/Ch1513/Area Scan (41x161x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 1.24 mW/g

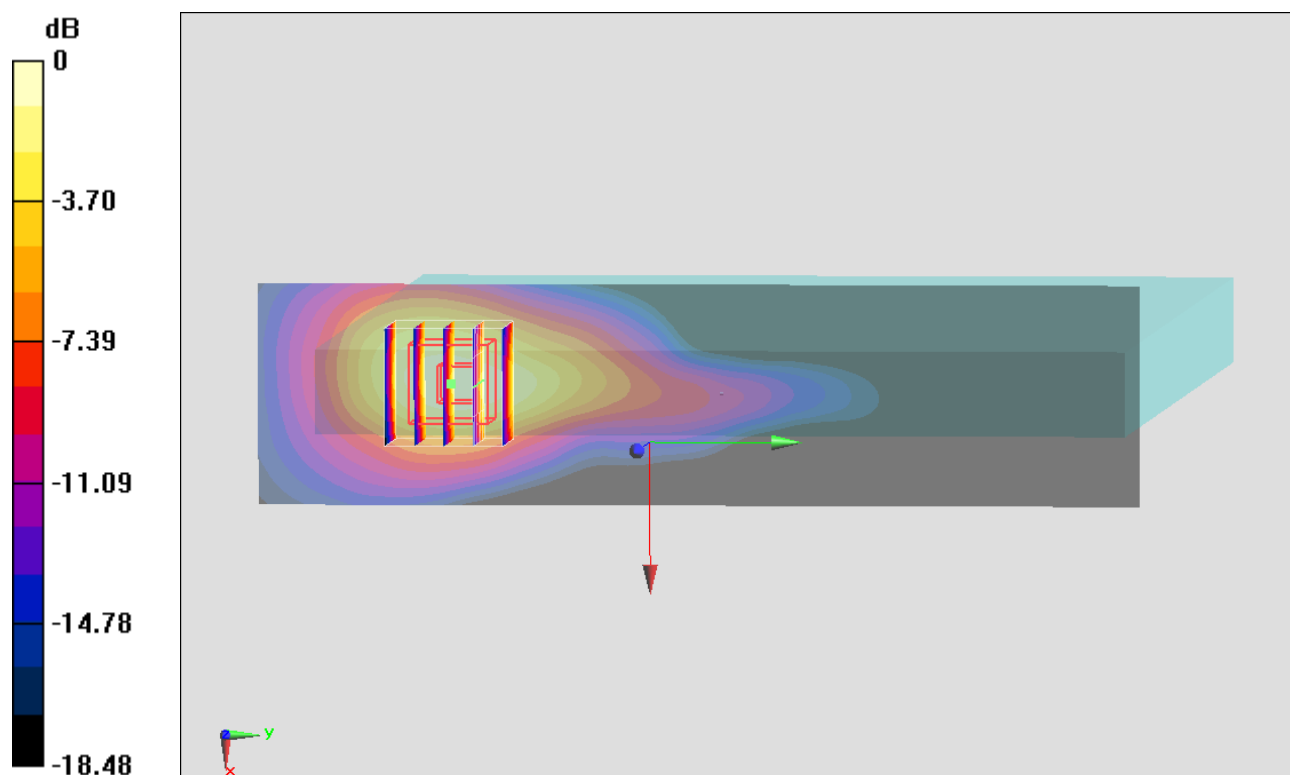
Configuration/Ch1513/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 29.907 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 1.573 mW/g

SAR(1 g) = 1.06 mW/g; SAR(10 g) = 0.583 mW/g

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



0 dB = 1.18 mW/g = 1.44 dB mW/g

#115_WCDMA IV_HSUPA_Edge 4_0cm_Ch1413**DUT: 2N2103-01**

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

Medium: MSL_1750_121219 Medium parameters used: $f = 1733$ MHz; $\sigma = 1.528$ mho/m; $\epsilon_r = 51.559$; 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/Ch1413/Area Scan (41x161x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 1.17 mW/g

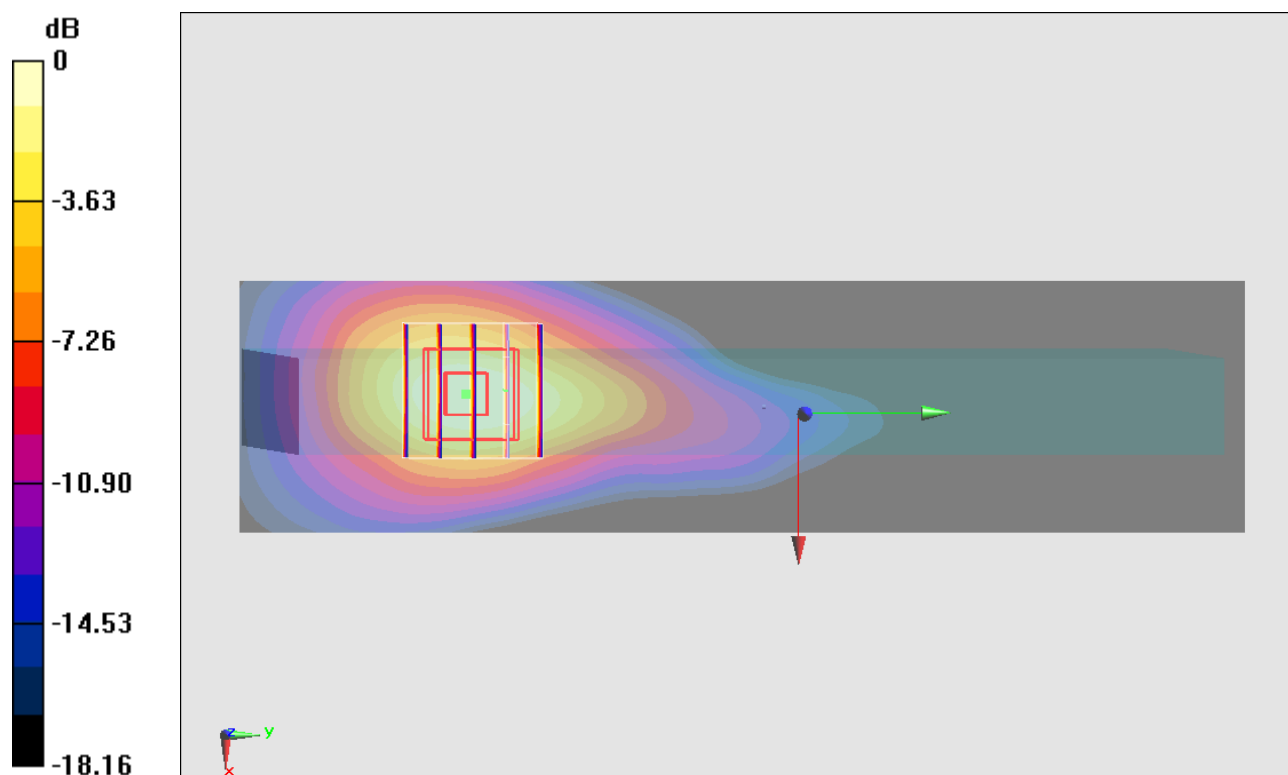
Configuration/Ch1413/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 28.488 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 1.372 mW/g

SAR(1 g) = 0.932 mW/g; SAR(10 g) = 0.520 mW/g

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



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

#116_WCDMA IV_HSUPA_Edge 4_0cm_Ch1312**DUT: 2N2103-01**

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

Medium: MSL_1750_121219 Medium parameters used : $f = 1712.4$ MHz; $\sigma = 1.502$ mho/m; $\epsilon_r = 51.622$;

$\rho = 1000$ 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/Ch1312/Area Scan (41x161x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 1.29 mW/g

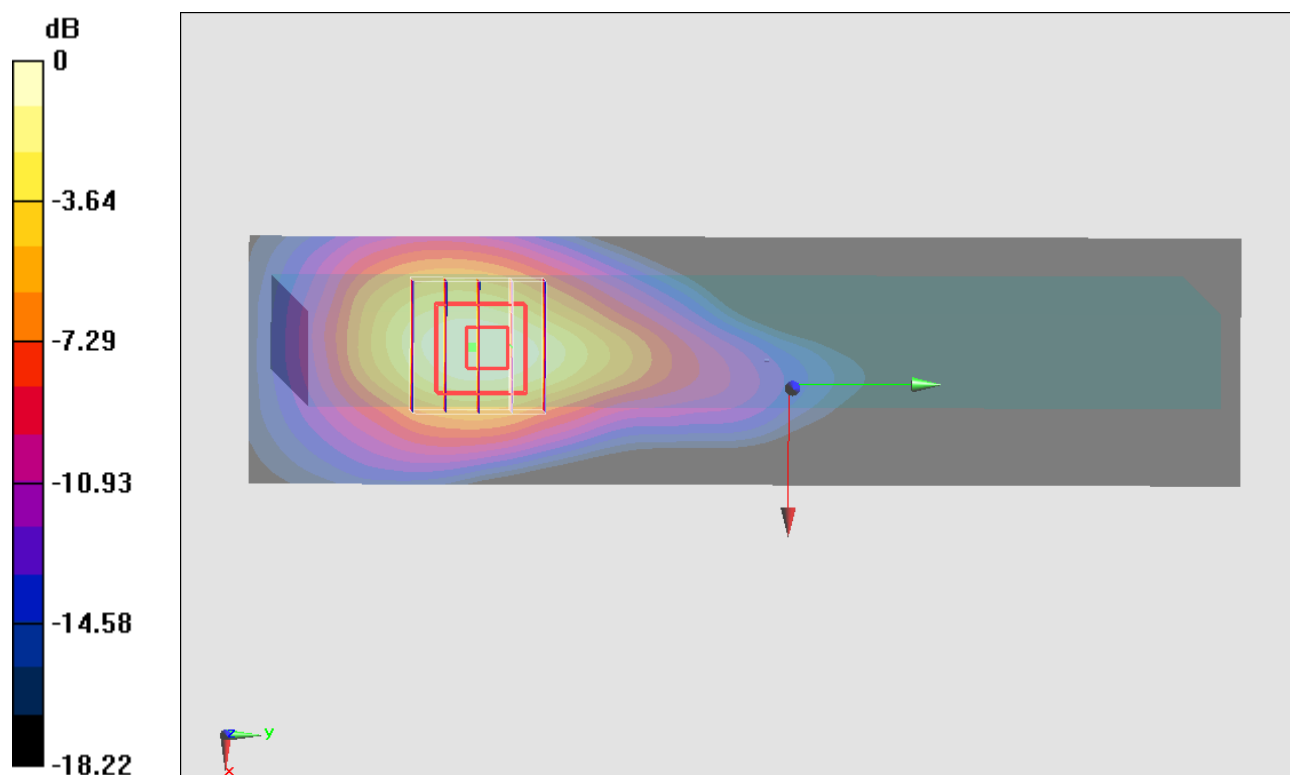
Configuration/Ch1312/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 30.290 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 1.605 mW/g

SAR(1 g) = 1.06 mW/g; SAR(10 g) = 0.587 mW/g

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



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

#117_WCDMA IV_HSUPA_Edge 4_0cm_Ch1513**DUT: 2N2103-01**

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

Medium: MSL_1750_121219 Medium parameters used: $f = 1753$ MHz; $\sigma = 1.547$ mho/m; $\epsilon_r = 51.509$; 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/Ch1513/Area Scan (41x161x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 1.31 mW/g

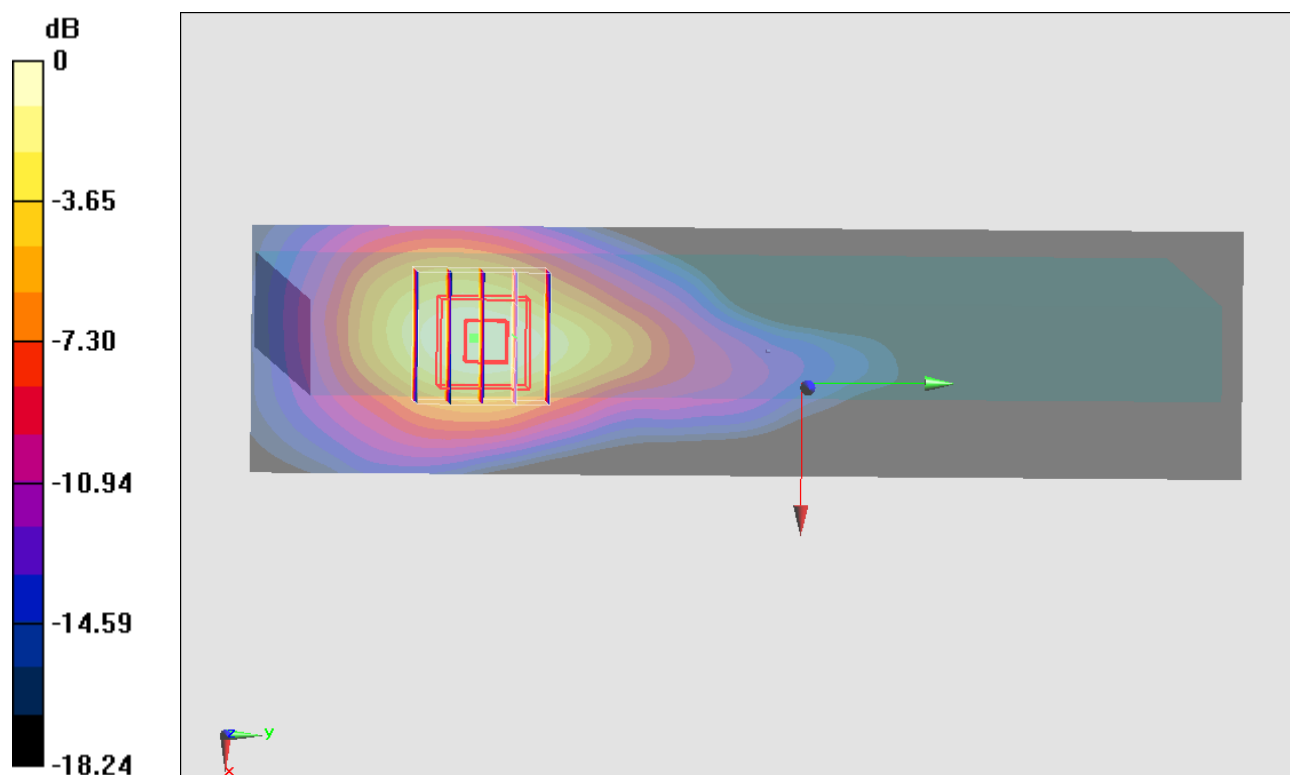
Configuration/Ch1513/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 29.812 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 1.588 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



#118_WCDMA IV_RMC12.2K_Bottom_0cm_Ch1413**DUT: 2N2103-01**

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

Medium: MSL_1750_121219 Medium parameters used: $f = 1733$ MHz; $\sigma = 1.528$ mho/m; $\epsilon_r = 51.559$; 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/Ch1413/Area Scan (81x101x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 1.05 mW/g

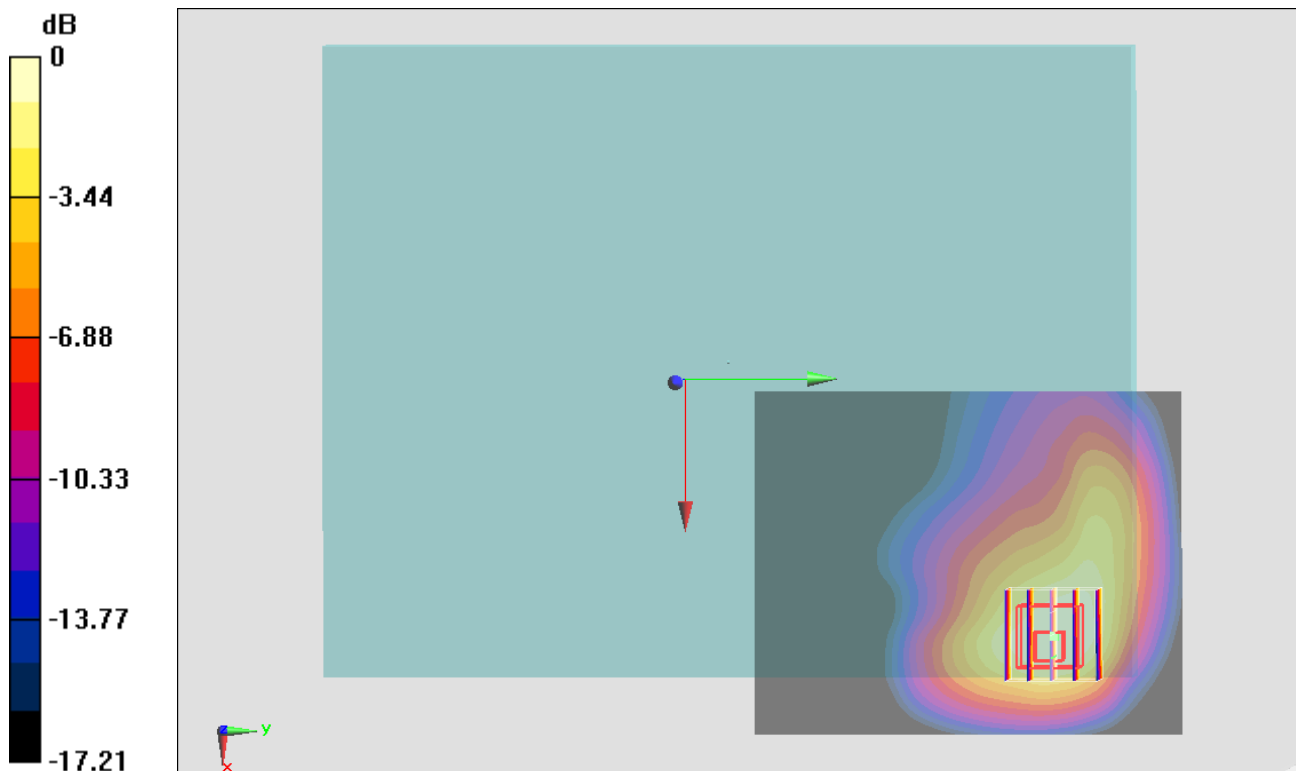
Configuration/Ch1413/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 26.318 V/m; Power Drift = 0.07 dB

Peak SAR (extrapolated) = 1.430 mW/g

SAR(1 g) = 0.839 mW/g; SAR(10 g) = 0.480 mW/g

Maximum value of SAR (measured) = 0.910 mW/g



0 dB = 0.910 mW/g = -0.82 dB mW/g

#121_WCDMA IV_RMC12.2K_Bottom_0cm_Ch1312**DUT: 2N2103-01**

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

Medium: MSL_1750_121219 Medium parameters used : $f = 1712.4$ MHz; $\sigma = 1.502$ mho/m; $\epsilon_r = 51.622$;

$\rho = 1000$ 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/Ch1312/Area Scan (81x101x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.988 mW/g

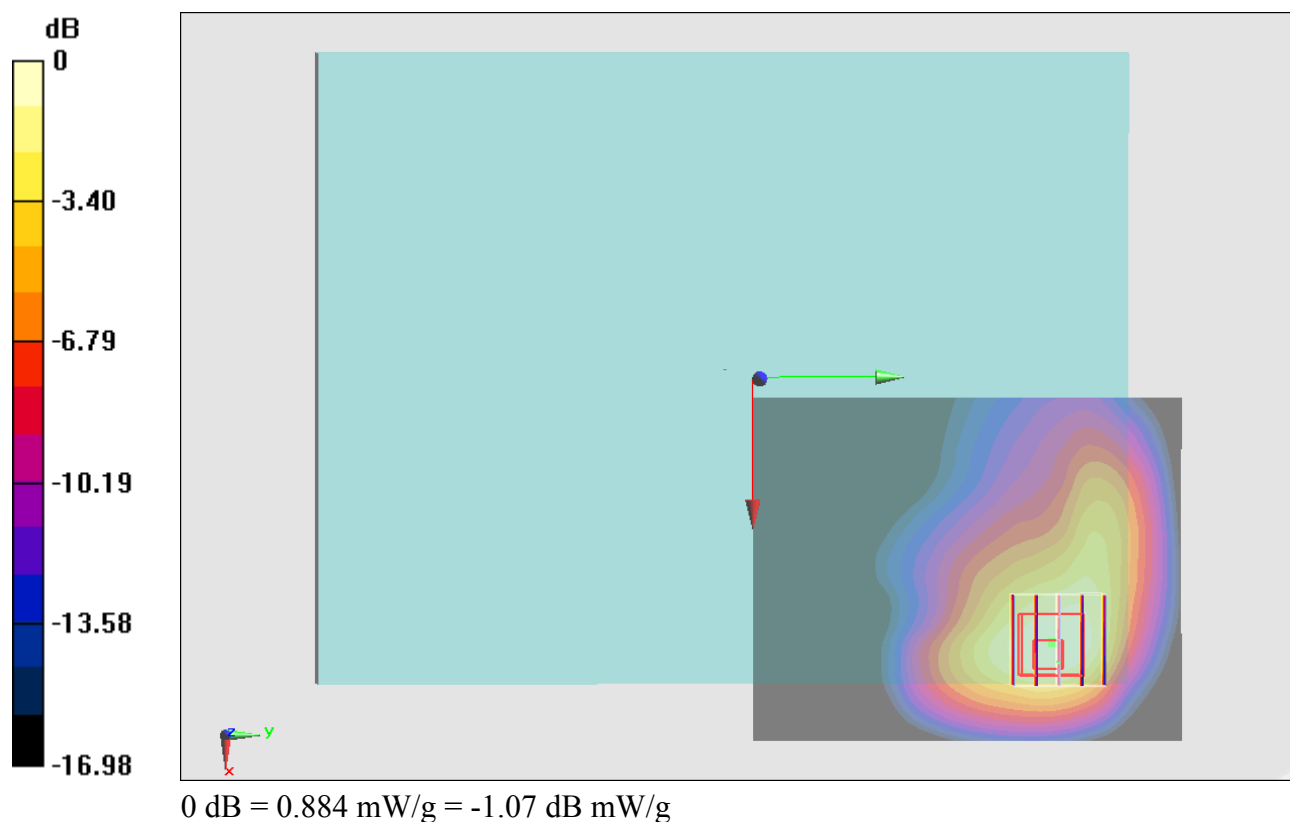
Configuration/Ch1312/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 25.752 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 1.356 mW/g

SAR(1 g) = 0.807 mW/g; SAR(10 g) = 0.460 mW/g

Maximum value of SAR (measured) = 0.884 mW/g



#122_WCDMA IV_RMC12.2K_Bottom_0cm_Ch1513**DUT: 2N2103-01**

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

Medium: MSL_1750_121219 Medium parameters used: $f = 1753$ MHz; $\sigma = 1.547$ mho/m; $\epsilon_r = 51.509$; 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/Ch1513/Area Scan (81x101x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.890 mW/g

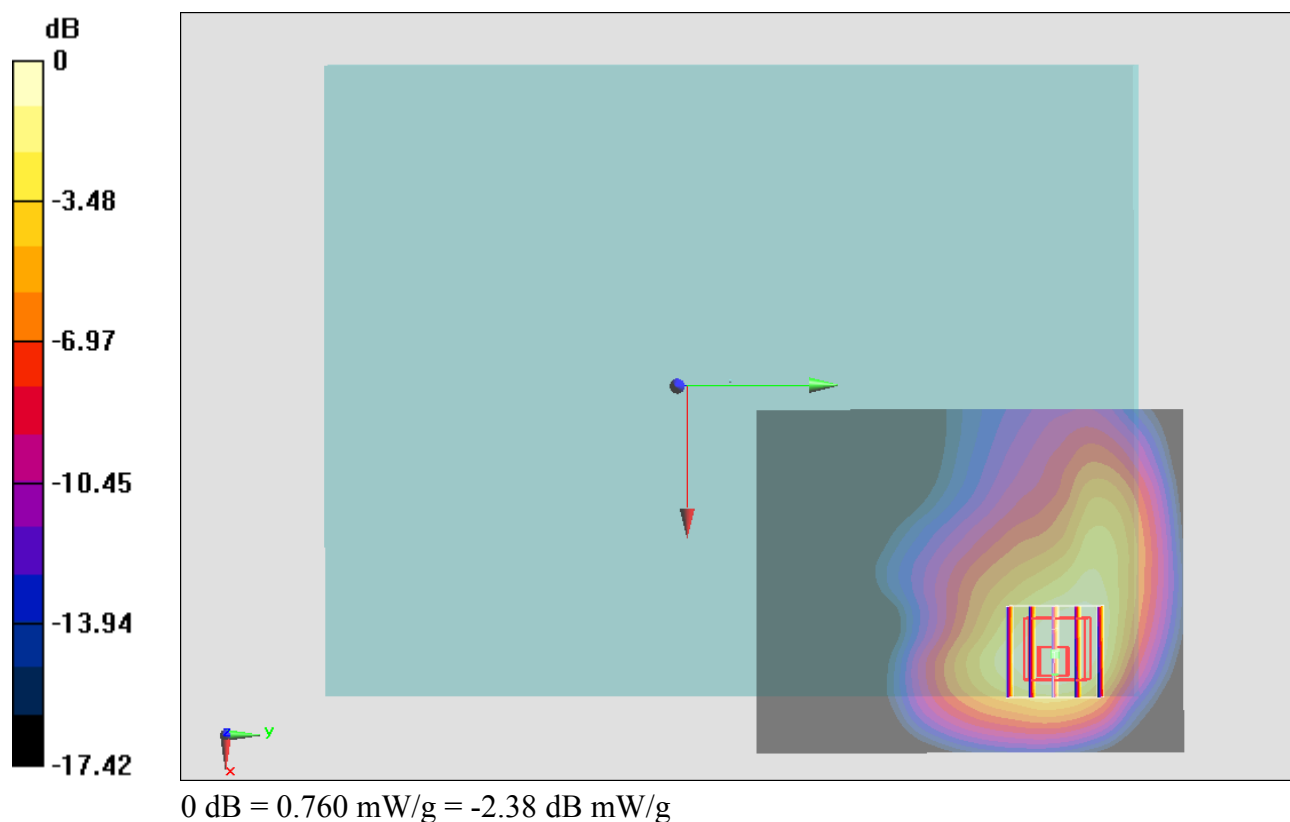
Configuration/Ch1513/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 24.189 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 1.217 mW/g

SAR(1 g) = 0.710 mW/g; SAR(10 g) = 0.410 mW/g

Maximum value of SAR (measured) = 0.760 mW/g



#104_WCDMA II_RMC12.2K_Bottom Face_1cm_Ch9400**DUT: 2N2103-01**

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

Medium: MSL_1900_121218 Medium parameters used: $f = 1880$ MHz; $\sigma = 1.505$ mho/m; $\epsilon_r = 53.327$; $\rho =$

1000 kg/m^3

Ambient Temperature : 22.6°C ; Liquid Temperature : 21.6°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 v5.0 Left; Type: QDOVA002AA; Serial: TP:1131
- Measurement SW: DASY52, Version 52.8 (3); SEMCAD X Version 14.6.5 (6469)

Configuration/Ch9400/Area Scan (81x91x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Maximum value of SAR (interpolated) = 0.582 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 = 21.266 V/m ; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 0.756 mW/g

SAR(1 g) = 0.543 mW/g ; SAR(10 g) = 0.350 mW/g

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

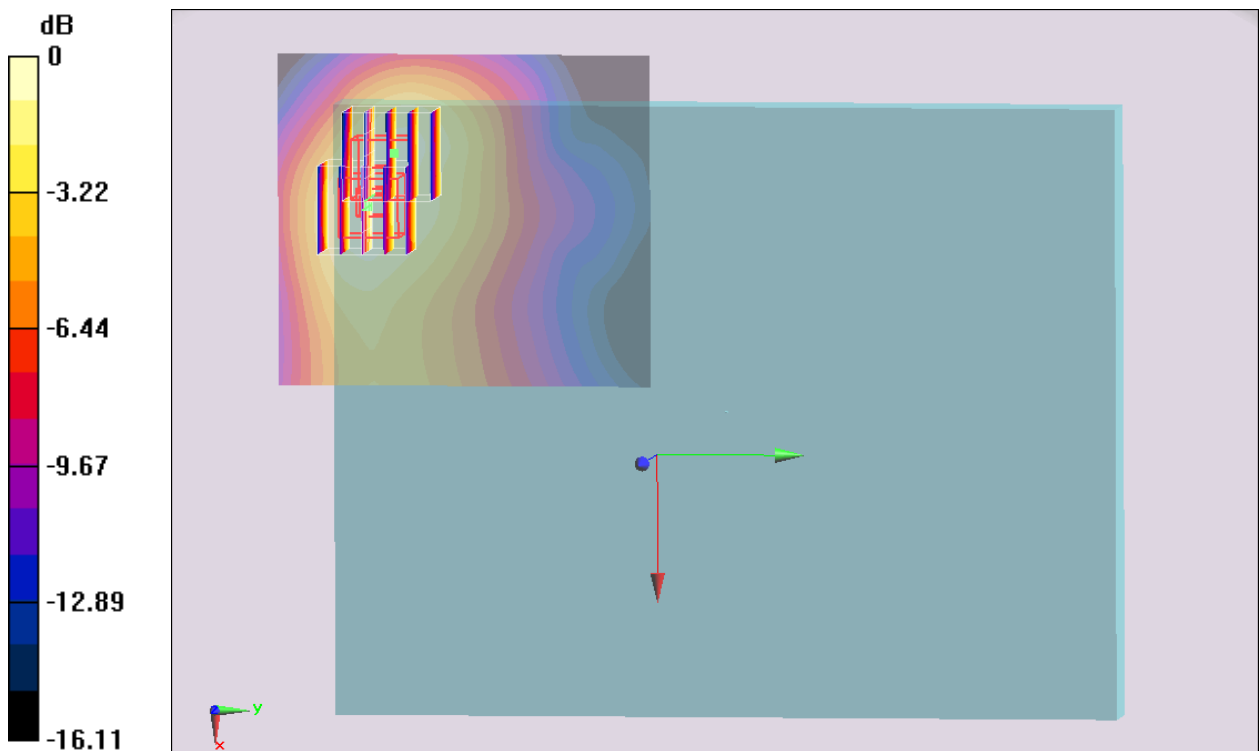
Configuration/Ch9400/Zoom Scan (5x5x7)/Cube 1: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 21.266 V/m ; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 0.764 mW/g

SAR(1 g) = 0.509 mW/g ; SAR(10 g) = 0.311 mW/g

Maximum value of SAR (measured) = 0.585 mW/g



#85_WCDMA II_RMC12.2K_Bottom Face_0cm_Ch9400**DUT: 2N2103-01**

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

Medium: MSL_1900_121218 Medium parameters used: $f = 1880$ MHz; $\sigma = 1.505$ mho/m; $\epsilon_r = 53.327$; ρ

$= 1000$ kg/m³

Ambient Temperature : 22.6 °C ; Liquid Temperature : 21.6 °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 v5.0 Left; Type: QDOVA002AA; Serial: TP:1131
- Measurement SW: DASY52, Version 52.8 (3); SEMCAD X Version 14.6.5 (6469)

Configuration/Ch9400/Area Scan (81x91x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.785 mW/g

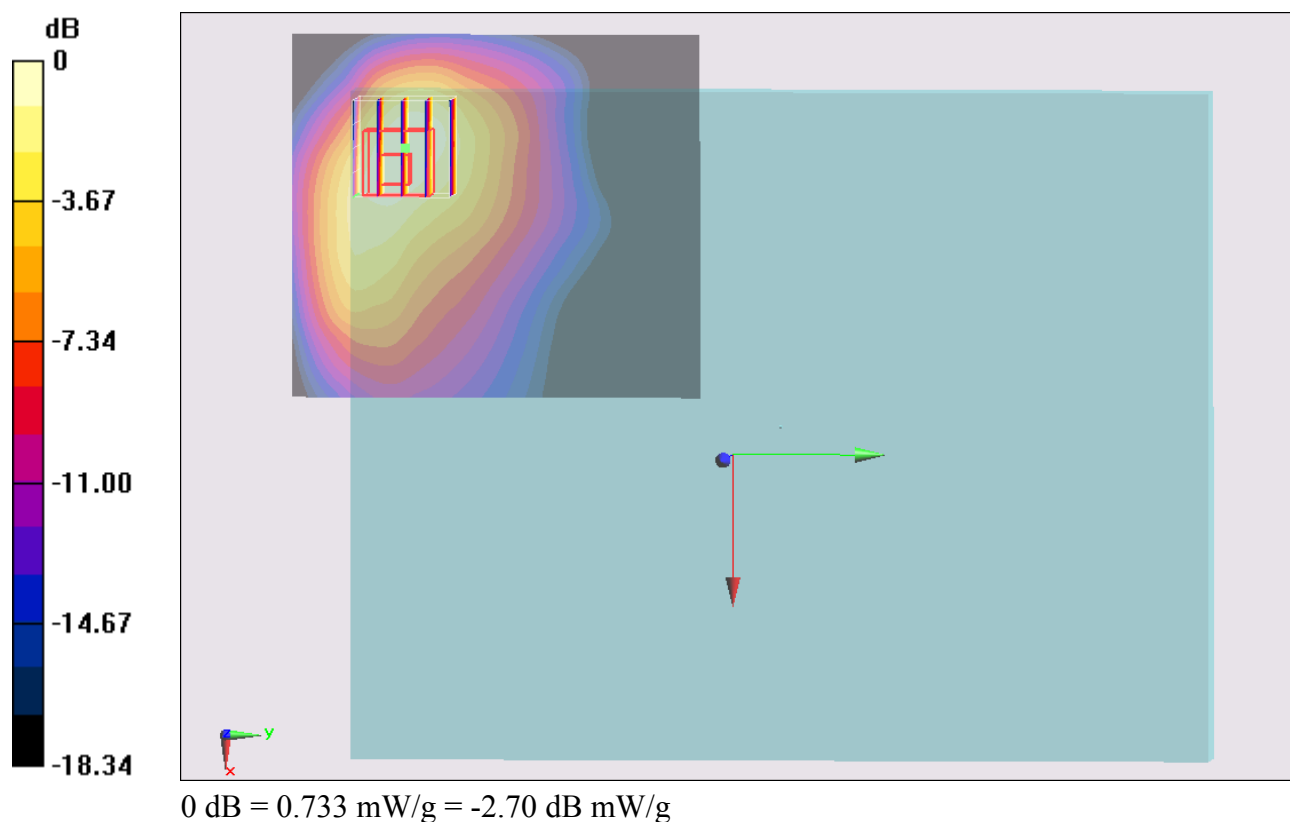
Configuration/Ch9400/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 22.564 V/m; Power Drift = 0.11 dB

Peak SAR (extrapolated) = 1.077 mW/g

SAR(1 g) = 0.672 mW/g; SAR(10 g) = 0.394 mW/g

Maximum value of SAR (measured) = 0.733 mW/g



#88_WCDMA II_RMC12.2K_Edge 3_0cm_Ch9400**DUT: 2N2103-01**

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

Medium: MSL_1900_121218 Medium parameters used: $f = 1880$ MHz; $\sigma = 1.505$ mho/m; $\epsilon_r = 53.327$; ρ

$= 1000$ kg/m³

Ambient Temperature : 22.6 °C ; Liquid Temperature : 21.6 °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 v5.0 Left; Type: QDOVA002AA; Serial: TP:1131
- Measurement SW: DASY52, Version 52.8 (3); SEMCAD X Version 14.6.5 (6469)

Configuration/Ch9400/Area Scan (41x131x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 1.05 mW/g

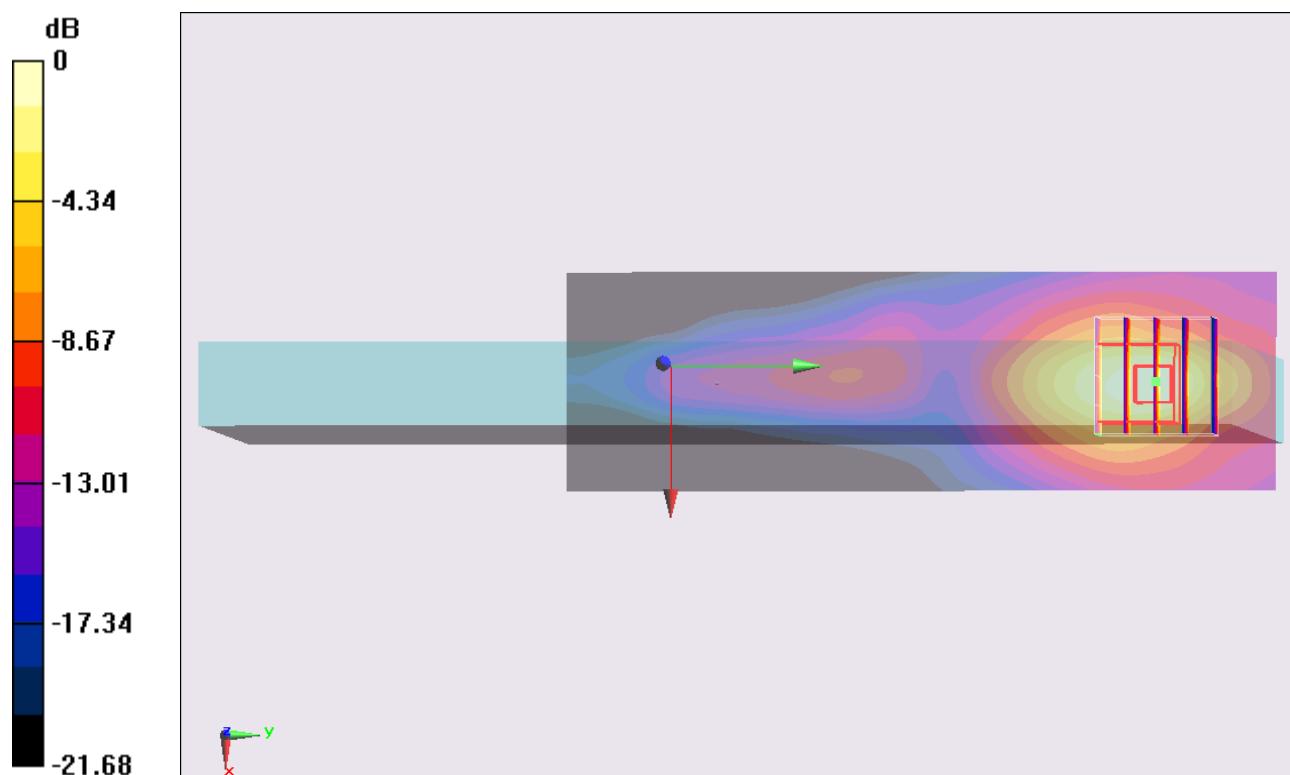
Configuration/Ch9400/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 28.212 V/m; Power Drift = -0.07 dB

Peak SAR (extrapolated) = 1.693 mW/g

SAR(1 g) = 0.779 mW/g; SAR(10 g) = 0.360 mW/g

Maximum value of SAR (measured) = 0.972 mW/g



0 dB = 0.972 mW/g = -0.25 dB mW/g

#89_WCDMA II_RMC12.2K_Edge 3_0cm_Ch9262**DUT: 2N2103-01**

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

Medium: MSL_1900_121218 Medium parameters used : $f = 1852.4$ MHz; $\sigma = 1.483$ mho/m; $\epsilon_r = 53.431$;

$\rho = 1000$ kg/m³

Ambient Temperature : 22.6 °C; Liquid Temperature : 21.6 °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 v5.0 Left; Type: QDOVA002AA; Serial: TP:1131
- Measurement SW: DASY52, Version 52.8 (3); SEMCAD X Version 14.6.5 (6469)

Configuration/Ch9262/Area Scan (41x131x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.919 mW/g

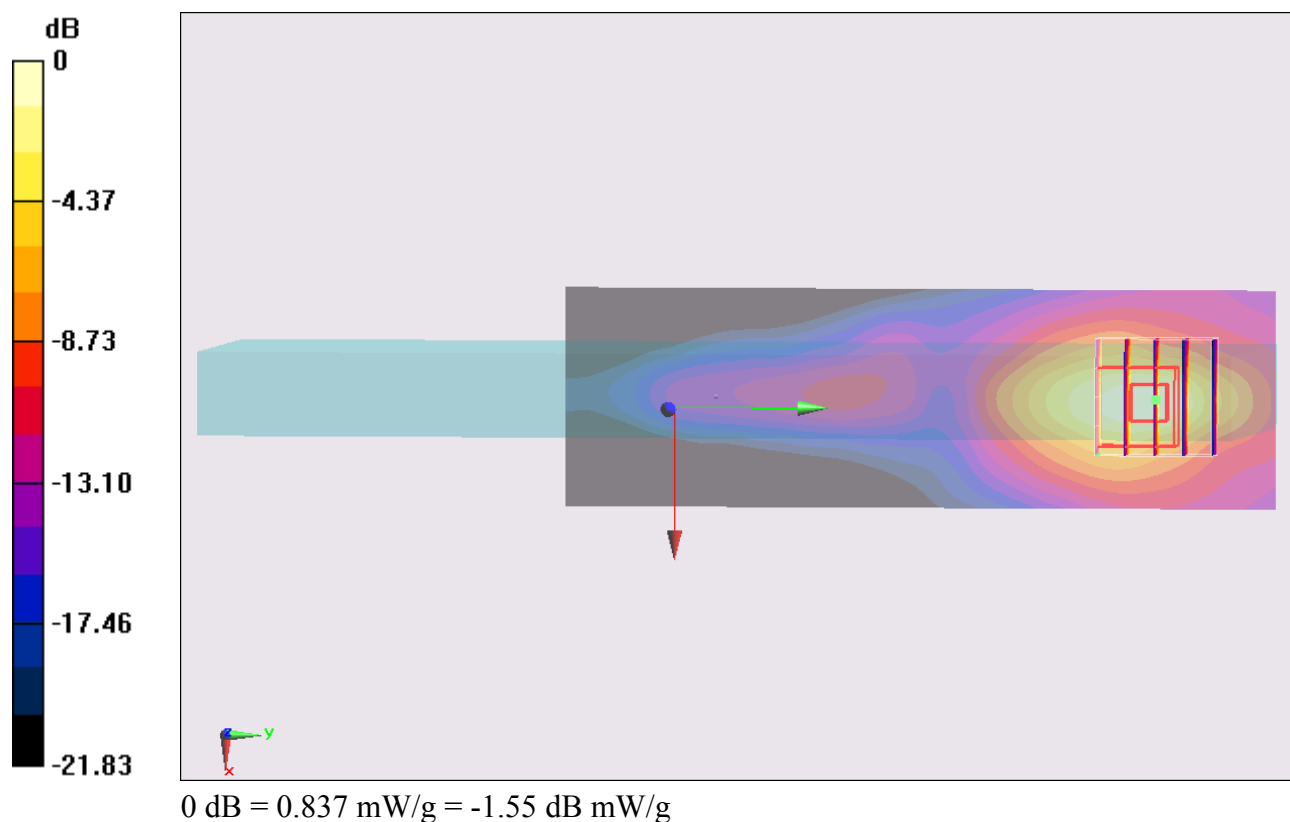
Configuration/Ch9262/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 26.393 V/m; Power Drift = -0.07 dB

Peak SAR (extrapolated) = 1.394 mW/g

SAR(1 g) = 0.675 mW/g; SAR(10 g) = 0.316 mW/g

Maximum value of SAR (measured) = 0.837 mW/g



#90_WCDMA II_RMC12.2K_Edge 3_0cm_Ch9538**DUT: 2N2103-01**

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

Medium: MSL_1900_121218 Medium parameters used: $f = 1908$ MHz; $\sigma = 1.529$ mho/m; $\epsilon_r = 53.178$; ρ

$= 1000$ kg/m³

Ambient Temperature : 22.6 °C ; Liquid Temperature : 21.6 °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 v5.0 Left; Type: QDOVA002AA; Serial: TP:1131
- Measurement SW: DASY52, Version 52.8 (3); SEMCAD X Version 14.6.5 (6469)

Configuration/Ch9538/Area Scan (41x131x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 1.02 mW/g

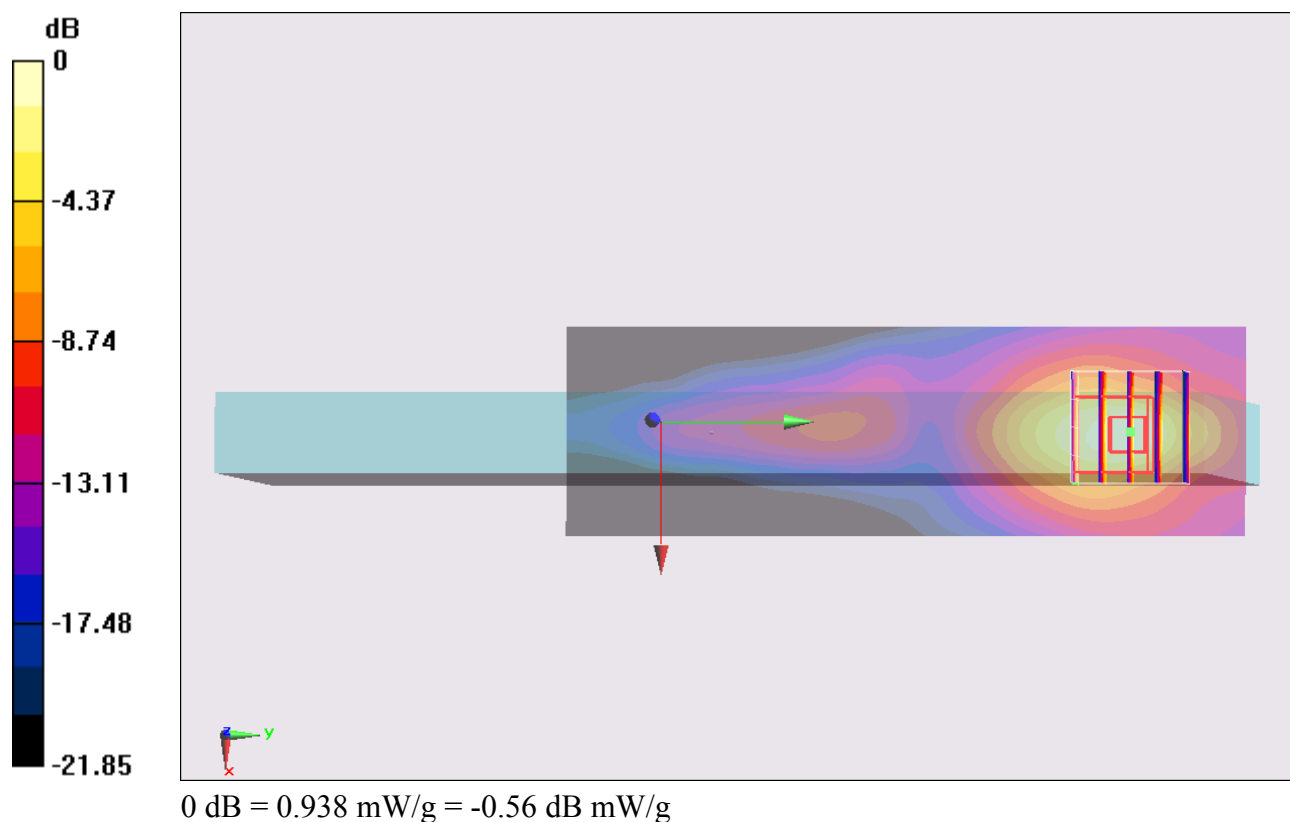
Configuration/Ch9538/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 27.394 V/m; Power Drift = -0.06 dB

Peak SAR (extrapolated) = 1.644 mW/g

SAR(1 g) = 0.751 mW/g; SAR(10 g) = 0.343 mW/g

Maximum value of SAR (measured) = 0.938 mW/g



#91_WCDMA II_RMC12.2K_Edge 4_0cm_Ch9400**DUT: 2N2103-01**

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

Medium: MSL_1900_121218 Medium parameters used: $f = 1880$ MHz; $\sigma = 1.505$ mho/m; $\epsilon_r = 53.327$; ρ

$= 1000$ kg/m³

Ambient Temperature : 22.6 °C; Liquid Temperature : 21.6 °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 v5.0 Left; Type: QDOVA002AA; Serial: TP:1131
- Measurement SW: DASY52, Version 52.8 (3); SEMCAD X Version 14.6.5 (6469)

Configuration/Ch9400/Area Scan (41x161x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 1.38 mW/g

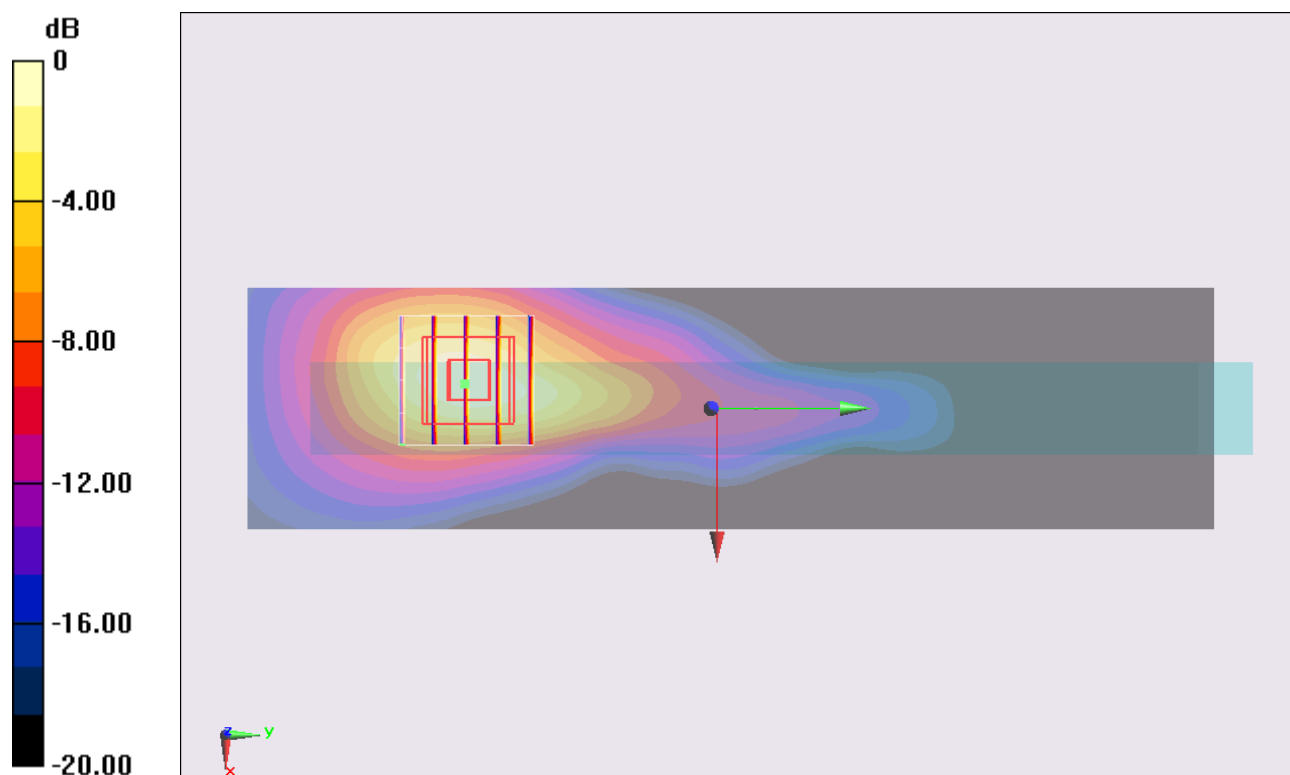
Configuration/Ch9400/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 32.753 V/m; Power Drift = 0.001 dB

Peak SAR (extrapolated) = 1.897 mW/g

SAR(1 g) = 1.22 mW/g; SAR(10 g) = 0.654 mW/g

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



0 dB = 1.40 mW/g = 2.92 dB mW/g

#92_WCDMA II_RMC12.2K_Edge 4_0cm_Ch9262**DUT: 2N2103-01**

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

Medium: MSL_1900_121218 Medium parameters used : $f = 1852.4$ MHz; $\sigma = 1.483$ mho/m; $\epsilon_r = 53.431$;

$\rho = 1000$ kg/m³

Ambient Temperature : 22.6 °C ; Liquid Temperature : 21.6 °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 v5.0 Left; Type: QDOVA002AA; Serial: TP:1131
- Measurement SW: DASY52, Version 52.8 (3); SEMCAD X Version 14.6.5 (6469)

Configuration/Ch9262/Area Scan (41x161x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 1.21 mW/g

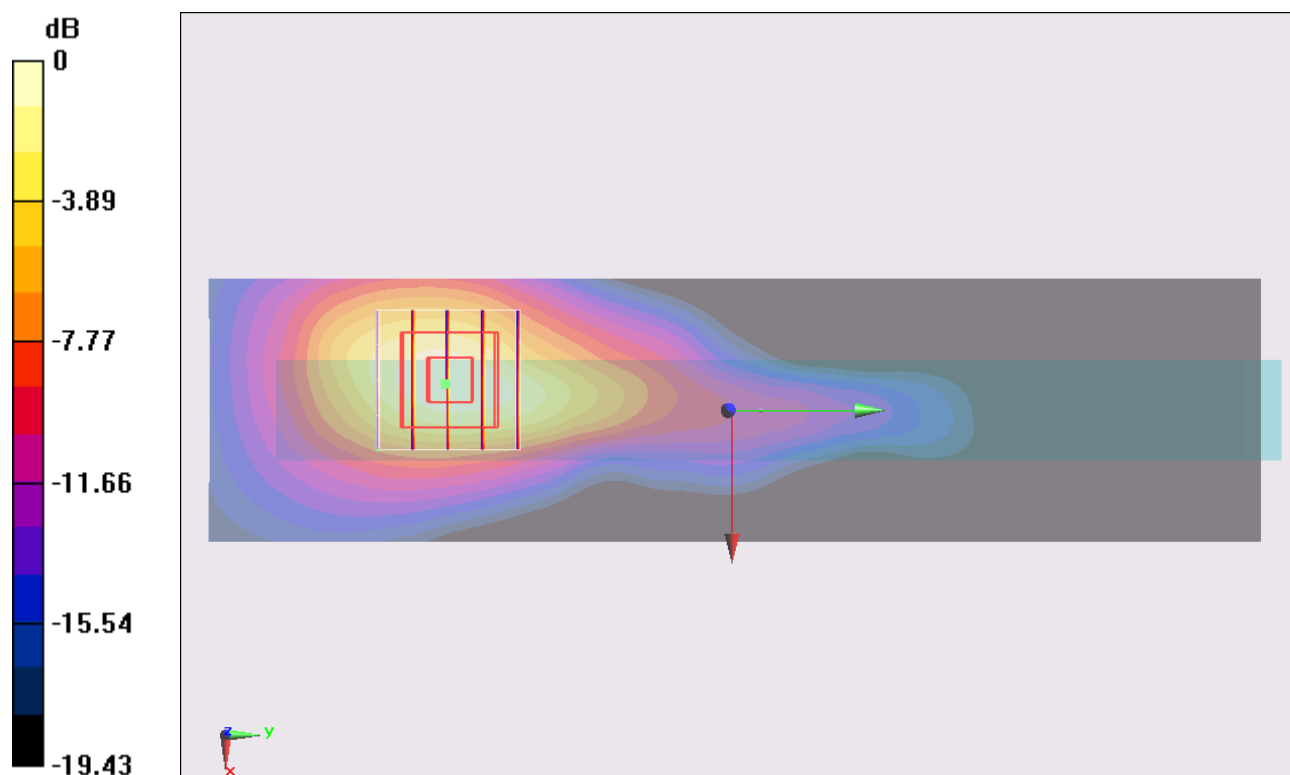
Configuration/Ch9262/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 30.724 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 1.600 mW/g

SAR(1 g) = 1.05 mW/g; SAR(10 g) = 0.569 mW/g

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



#93_WCDMA II_RMC12.2K_Edge 4_0cm_Ch9538**DUT: 2N2103-01**

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

Medium: MSL_1900_121218 Medium parameters used: $f = 1908$ MHz; $\sigma = 1.529$ mho/m; $\epsilon_r = 53.178$; ρ

$= 1000$ kg/m³

Ambient Temperature : 22.6 °C ; Liquid Temperature : 21.6 °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 v5.0 Left; Type: QDOVA002AA; Serial: TP:1131
- Measurement SW: DASY52, Version 52.8 (3); SEMCAD X Version 14.6.5 (6469)

Configuration/Ch9538/Area Scan (41x161x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 1.37 mW/g

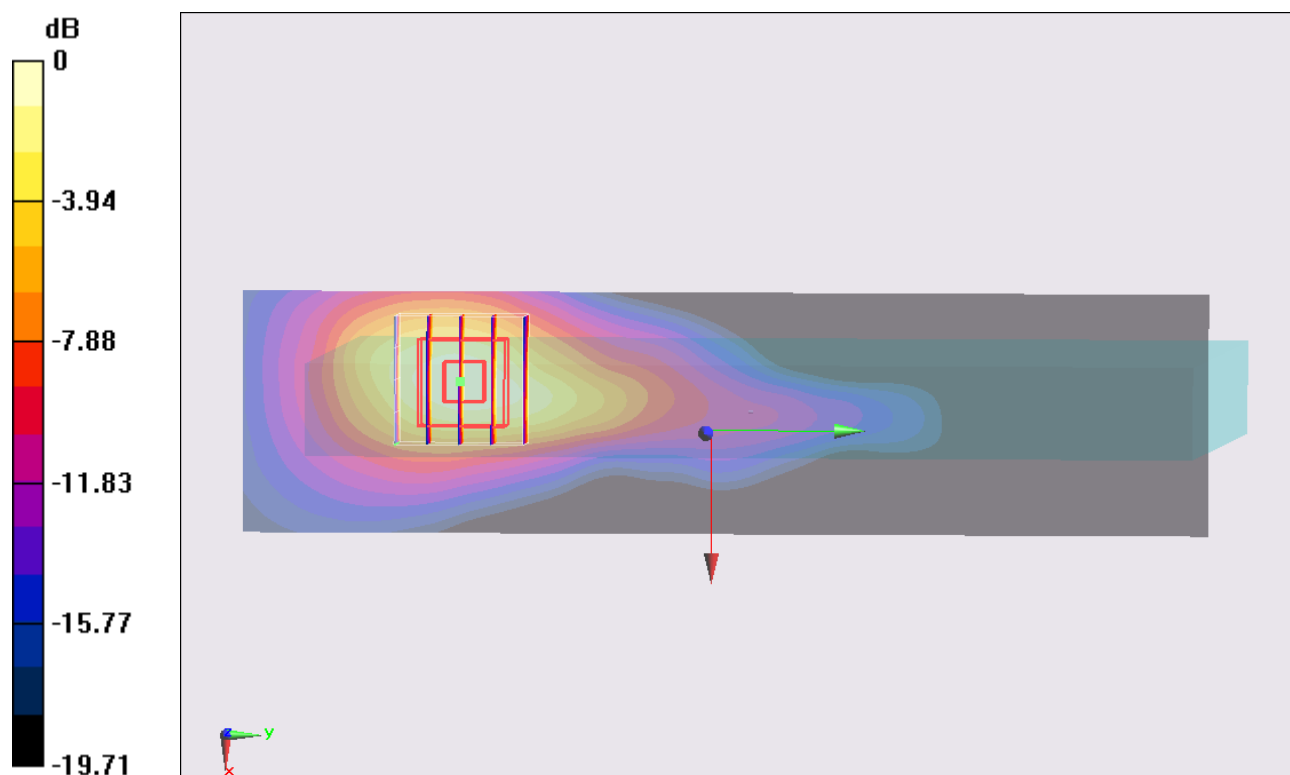
Configuration/Ch9538/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 32.377 V/m; Power Drift = -0.13 dB

Peak SAR (extrapolated) = 1.865 mW/g

SAR(1 g) = 1.19 mW/g; SAR(10 g) = 0.633 mW/g

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



0 dB = 1.36 mW/g = 2.67 dB mW/g

#94_WCDMA II_HSDPA_Edge 4_0cm_Ch9400**DUT: 2N2103-01**

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

Medium: MSL_1900_121218 Medium parameters used: $f = 1880$ MHz; $\sigma = 1.505$ mho/m; $\epsilon_r = 53.327$; ρ

$= 1000$ kg/m³

Ambient Temperature : 22.6 °C ; Liquid Temperature : 21.6 °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 v5.0 Left; Type: QDOVA002AA; Serial: TP:1131
- Measurement SW: DASY52, Version 52.8 (3); SEMCAD X Version 14.6.5 (6469)

Configuration/Ch9400/Area Scan (41x161x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 1.36 mW/g

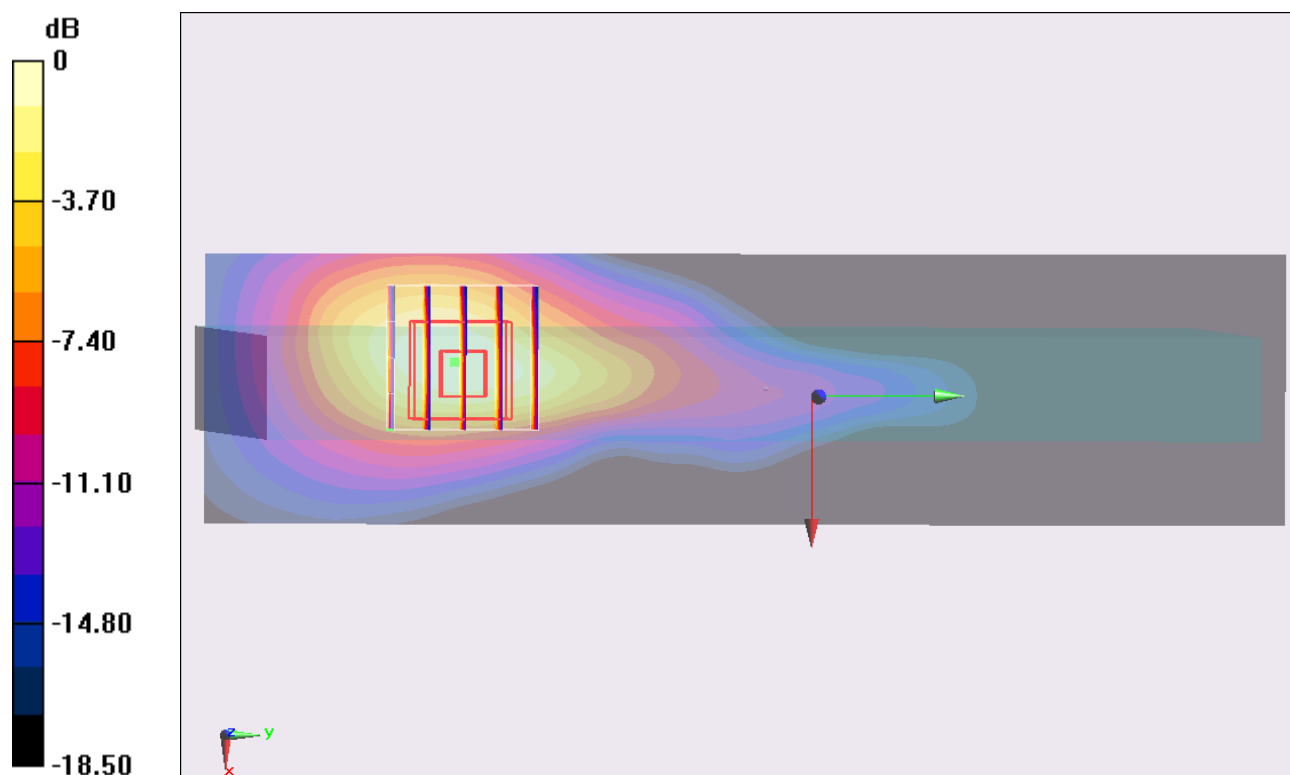
Configuration/Ch9400/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 33.148 V/m; Power Drift = -0.143 dB

Peak SAR (extrapolated) = 1.821 mW/g

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

Maximum value of SAR (measured) = 1.28 mW/g



0 dB = 1.28 mW/g = 2.14 dB mW/g

#95_WCDMA II_HSDPA_Edge 4_0cm_Ch9262**DUT: 2N2103-01**

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

Medium: MSL_1900_121218 Medium parameters used : $f = 1852.4$ MHz; $\sigma = 1.483$ mho/m; $\epsilon_r = 53.431$;

$\rho = 1000$ kg/m³

Ambient Temperature : 22.6 °C ; Liquid Temperature : 21.6 °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 v5.0 Left; Type: QDOVA002AA; Serial: TP:1131
- Measurement SW: DASY52, Version 52.8 (3); SEMCAD X Version 14.6.5 (6469)

Configuration/Ch9262/Area Scan (41x161x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 1.30 mW/g

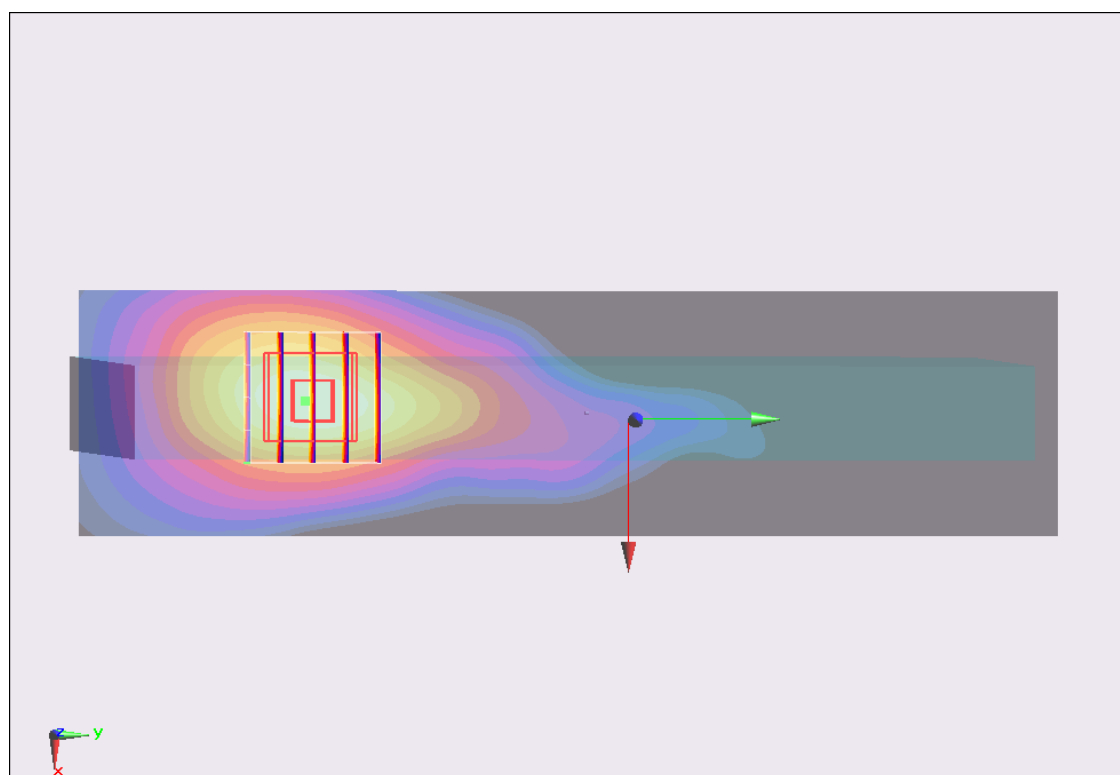
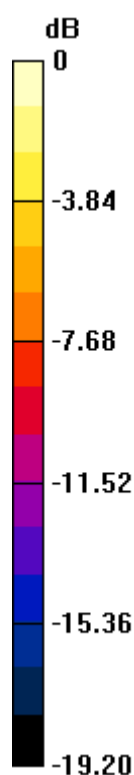
Configuration/Ch9262/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 30.980 V/m; Power Drift = -0.001 dB

Peak SAR (extrapolated) = 1.619 mW/g

SAR(1 g) = 1.06 mW/g; SAR(10 g) = 0.565 mW/g

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



0 dB = 1.23 mW/g = 1.80 dB mW/g

#96_WCDMA II_HSDPA_Edge 4_0cm_Ch9538**DUT: 2N2103-01**

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

Medium: MSL_1900_121218 Medium parameters used: $f = 1908$ MHz; $\sigma = 1.529$ mho/m; $\epsilon_r = 53.178$; ρ

$= 1000$ kg/m³

Ambient Temperature : 22.6 °C ; Liquid Temperature : 21.6 °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 v5.0 Left; Type: QDOVA002AA; Serial: TP:1131
- Measurement SW: DASY52, Version 52.8 (3); SEMCAD X Version 14.6.5 (6469)

Configuration/Ch9538/Area Scan (41x161x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 1.49 mW/g

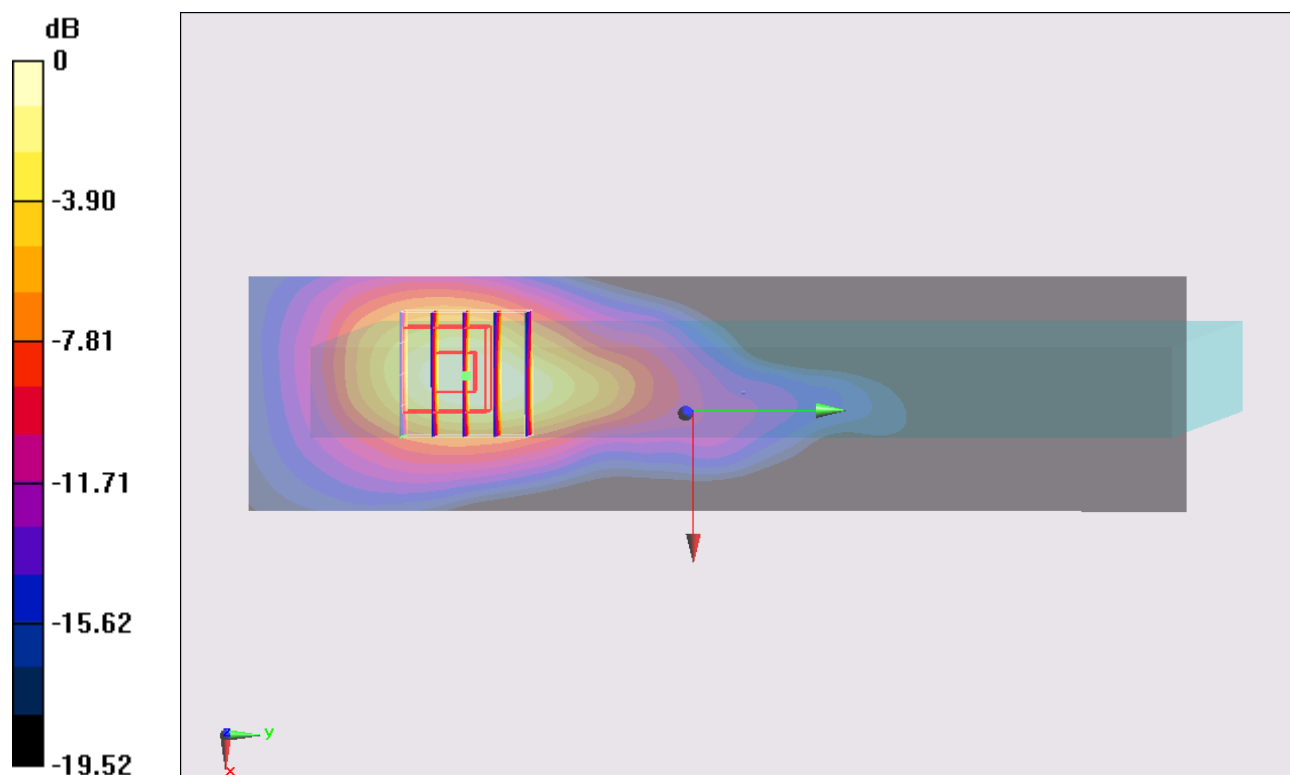
Configuration/Ch9538/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 32.257 V/m; Power Drift = 0.138 dB

Peak SAR (extrapolated) = 1.883 mW/g

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

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



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

#96_WCDMA II_HSDPA_Edge 4_0cm_Ch9538_2D**DUT: 2N2103-01**

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

Medium: MSL_1900_121218 Medium parameters used: $f = 1908$ MHz; $\sigma = 1.529$ mho/m; $\epsilon_r = 53.178$; ρ

$= 1000$ kg/m³

Ambient Temperature : 22.6 °C ; Liquid Temperature : 21.6 °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 v5.0 Left; Type: QDOVA002AA; Serial: TP:1131
- Measurement SW: DASY52, Version 52.8 (3); SEMCAD X Version 14.6.5 (6469)

Configuration/Ch9538/Area Scan (41x161x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 1.49 mW/g

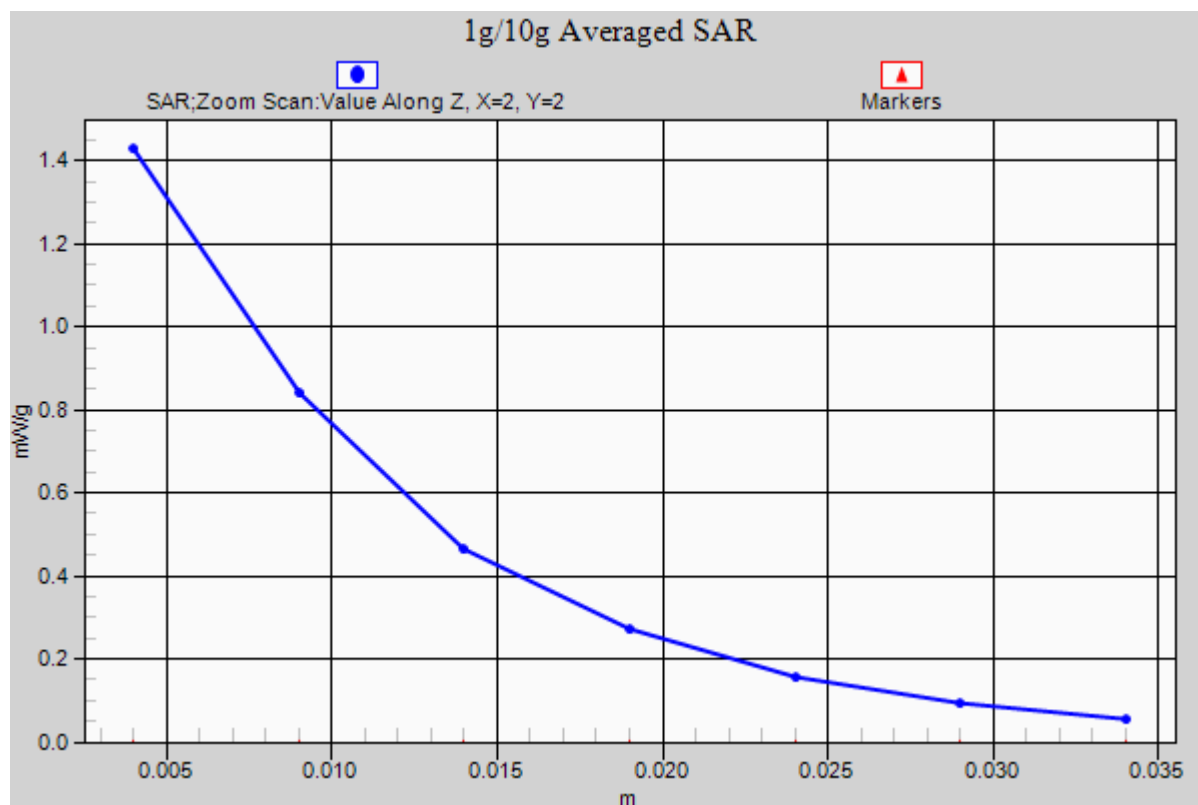
Configuration/Ch9538/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 32.257 V/m; Power Drift = 0.18 dB

Peak SAR (extrapolated) = 1.883 mW/g

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

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



#100_WCDMA II_HSDPA_Edge 4_0cm_Ch9538_Repeat**DUT: 2N2103-01**

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

Medium: MSL_1900_121218 Medium parameters used: $f = 1908$ MHz; $\sigma = 1.529$ mho/m; $\epsilon_r = 53.178$; ρ

$= 1000$ kg/m³

Ambient Temperature : 22.6 °C; Liquid Temperature : 21.6 °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 v5.0 Left; Type: QDOVA002AA; Serial: TP:1131
- Measurement SW: DASY52, Version 52.8 (3); SEMCAD X Version 14.6.5 (6469)

Configuration/Ch9538/Area Scan (41x161x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 1.46 mW/g

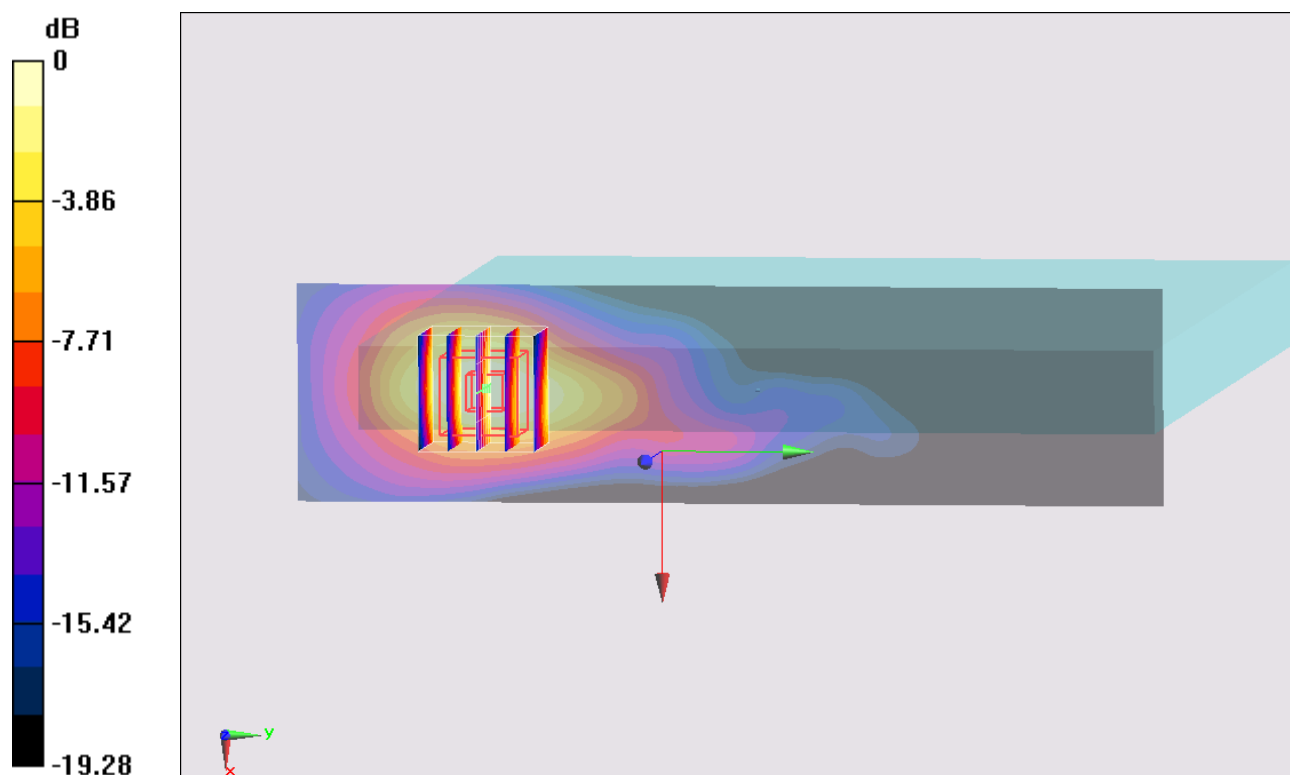
Configuration/Ch9538/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 32.419 V/m; Power Drift = -0.09 dB

Peak SAR (extrapolated) = 1.818 mW/g

SAR(1 g) = 1.16 mW/g; SAR(10 g) = 0.622 mW/g

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



#97_WCDMA II_HSUPA_Edge 4_0cm_Ch9400**DUT: 2N2103-01**

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

Medium: MSL_1900_121218 Medium parameters used: $f = 1880$ MHz; $\sigma = 1.505$ mho/m; $\epsilon_r = 53.327$; ρ

$= 1000$ kg/m³

Ambient Temperature : 22.6 °C; Liquid Temperature : 21.6 °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 v5.0 Left; Type: QDOVA002AA; Serial: TP:1131
- Measurement SW: DASY52, Version 52.8 (3); SEMCAD X Version 14.6.5 (6469)

Configuration/Ch9400/Area Scan (41x161x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 1.43 mW/g

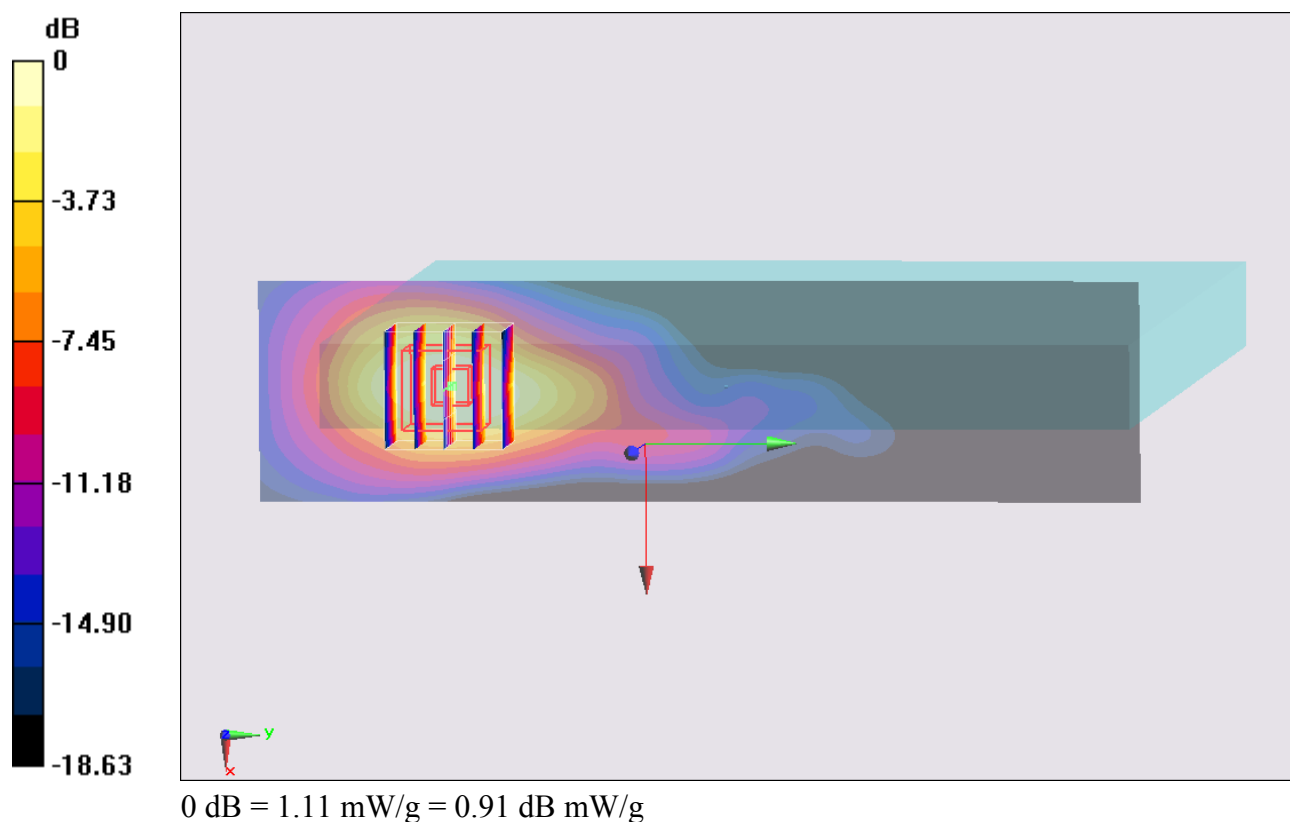
Configuration/Ch9400/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 32.690 V/m; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 1.553 mW/g

SAR(1 g) = 0.918 mW/g; SAR(10 g) = 0.473 mW/g

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



#98_WCDMA II_HSUPA_Edge 4_0cm_Ch9262**DUT: 2N2103-01**

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

Medium: MSL_1900_121218 Medium parameters used: $f = 1852.4$ MHz; $\sigma = 1.483$ mho/m; $\epsilon_r = 53.431$;

$\rho = 1000$ kg/m³

Ambient Temperature : 22.6 °C ; Liquid Temperature : 21.6 °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 v5.0 Left; Type: QDOVA002AA; Serial: TP:1131
- Measurement SW: DASY52, Version 52.8 (3); SEMCAD X Version 14.6.5 (6469)

Configuration/Ch9262/Area Scan (41x161x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 1.05 mW/g

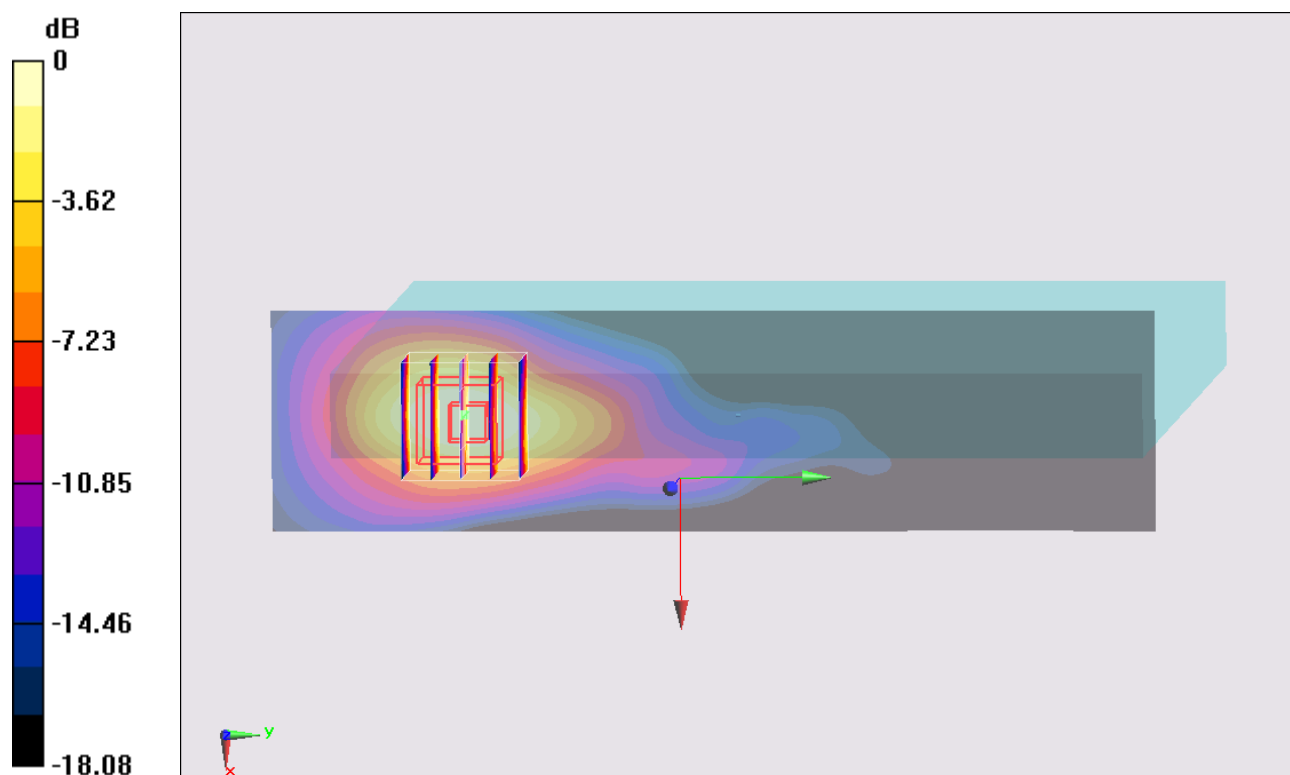
Configuration/Ch9262/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 27.847 V/m; Power Drift = -0.08 dB

Peak SAR (extrapolated) = 1.221 mW/g

SAR(1 g) = 0.857 mW/g; SAR(10 g) = 0.471 mW/g

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



#99_WCDMA II_HSUPA_Edge 4_0cm_Ch9538**DUT: 2N2103-01**

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

Medium: MSL_1900_121218 Medium parameters used: $f = 1908$ MHz; $\sigma = 1.529$ mho/m; $\epsilon_r = 53.178$; ρ

$= 1000$ kg/m³

Ambient Temperature : 22.6 °C ; Liquid Temperature : 21.6 °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 v5.0 Left; Type: QDOVA002AA; Serial: TP:1131
- Measurement SW: DASY52, Version 52.8 (3); SEMCAD X Version 14.6.5 (6469)

Configuration/Ch9538/Area Scan (41x161x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 1.22 mW/g

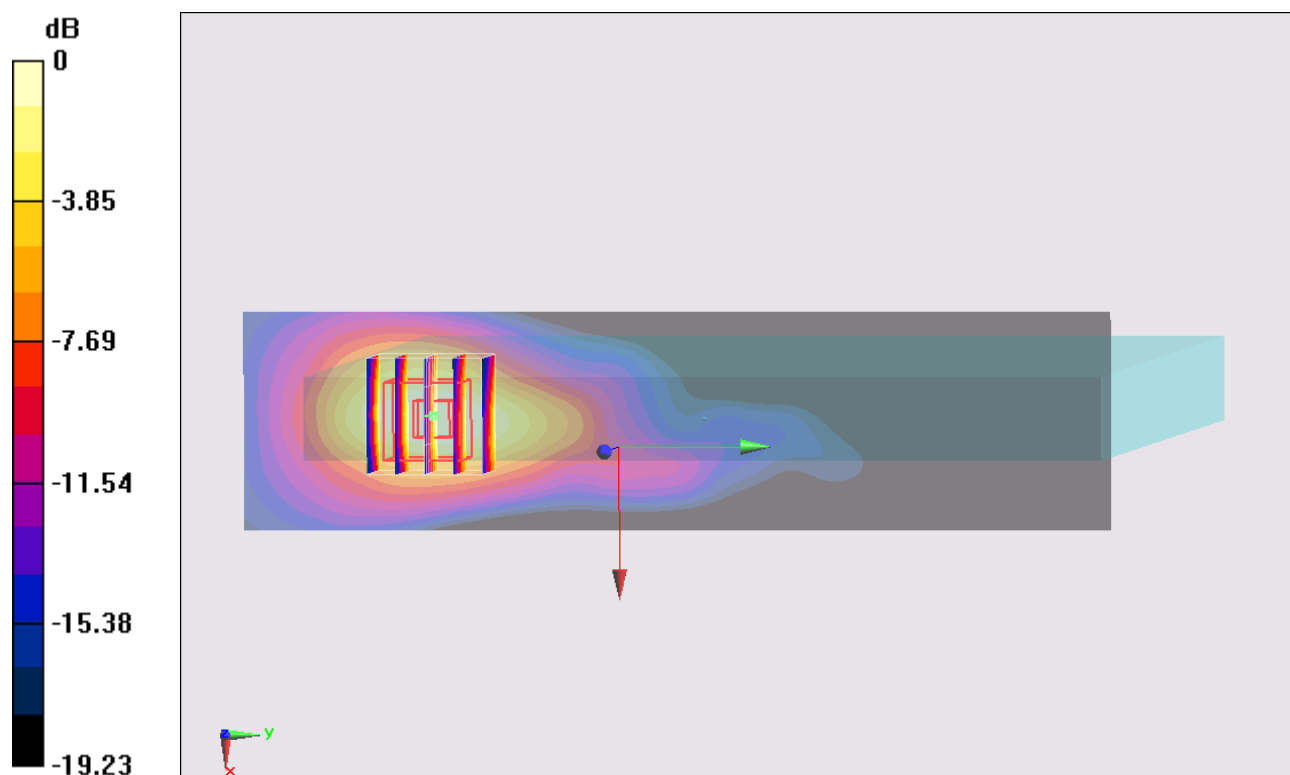
Configuration/Ch9538/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 29.536 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 1.530 mW/g

SAR(1 g) = 0.975 mW/g; SAR(10 g) = 0.520 mW/g

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



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

#101_WCDMA II_RMC12.2K_Bottom_0cm_Ch9400**DUT: 2N2103-01**

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

Medium: MSL_1900_121218 Medium parameters used: $f = 1880$ MHz; $\sigma = 1.505$ mho/m; $\epsilon_r = 53.327$; ρ

$= 1000$ kg/m³

Ambient Temperature : 22.6 °C ; Liquid Temperature : 21.6 °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 v5.0 Left; Type: QDOVA002AA; Serial: TP:1131
- Measurement SW: DASY52, Version 52.8 (3); SEMCAD X Version 14.6.5 (6469)

Configuration/Ch9400/Area Scan (81x101x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.828 mW/g

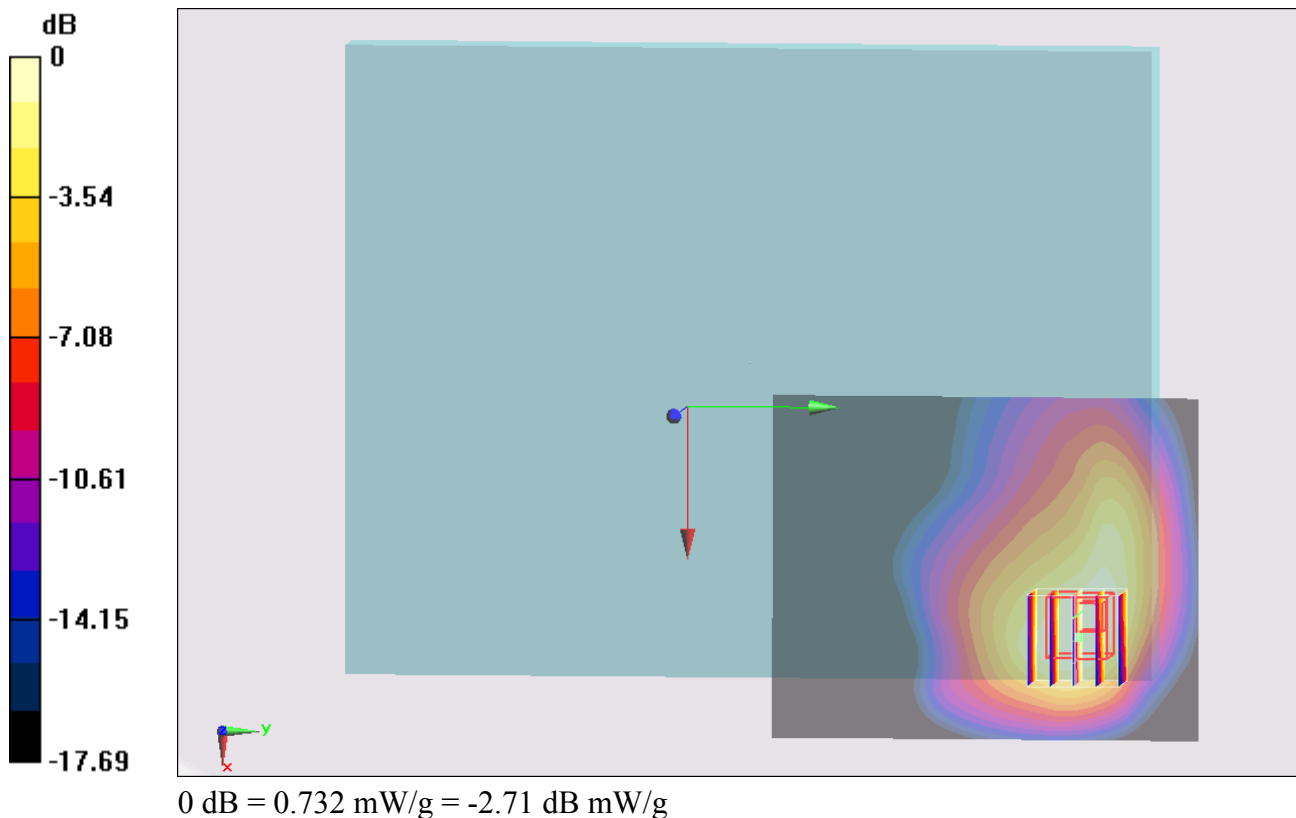
Configuration/Ch9400/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 23.432 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 1.176 mW/g

SAR(1 g) = 0.672 mW/g; SAR(10 g) = 0.408 mW/g

Maximum value of SAR (measured) = 0.732 mW/g



#102_WCDMA II_RMC12.2K_Bottom_0cm_Ch9262**DUT: 2N2103-01**

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

Medium: MSL_1900_121218 Medium parameters used: $f = 1852.4$ MHz; $\sigma = 1.483$ mho/m; $\epsilon_r = 53.431$;

$\rho = 1000$ kg/m³

Ambient Temperature : 22.6 °C ; Liquid Temperature : 21.6 °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 v5.0 Left; Type: QDOVA002AA; Serial: TP:1131
- Measurement SW: DASY52, Version 52.8 (3); SEMCAD X Version 14.6.5 (6469)

Configuration/Ch9262/Area Scan (81x101x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.713 mW/g

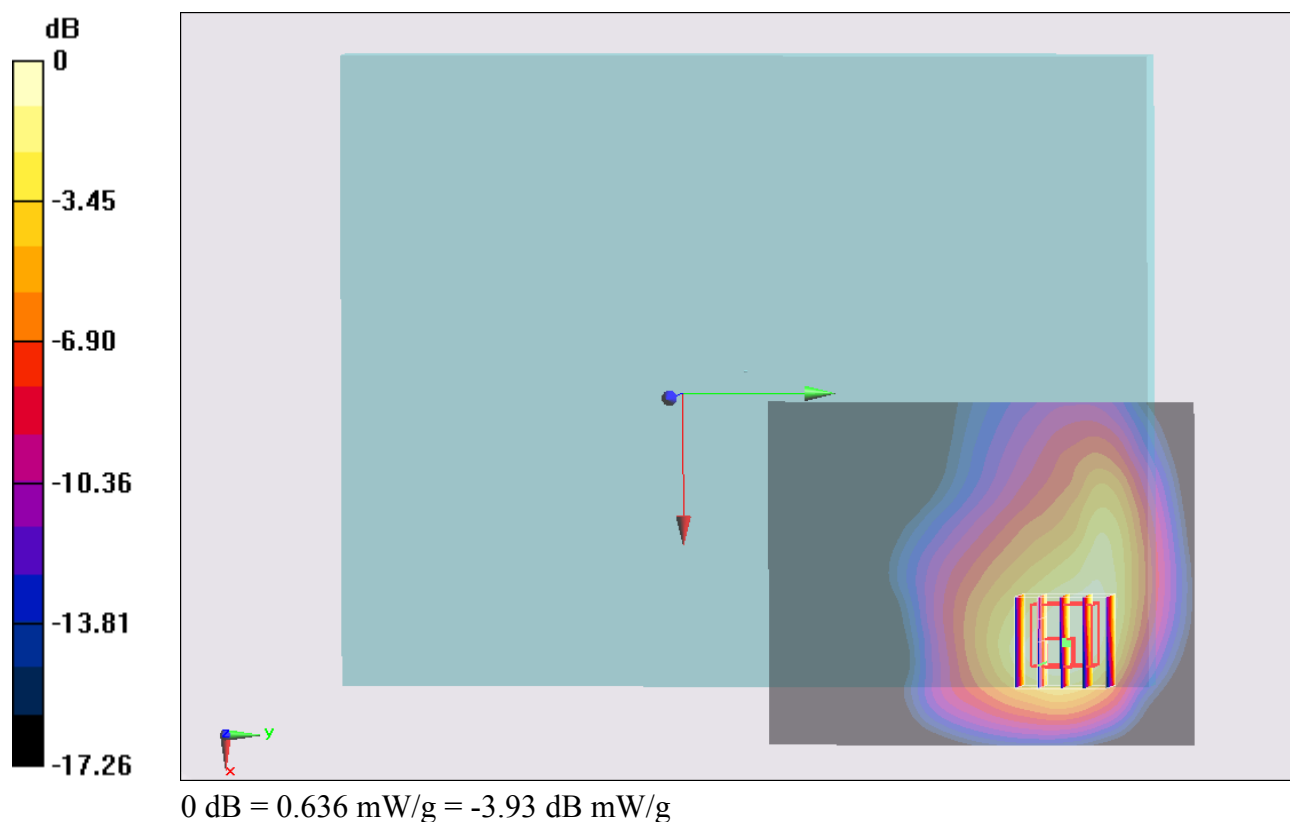
Configuration/Ch9262/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 21.952 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 1.028 mW/g

SAR(1 g) = 0.594 mW/g; SAR(10 g) = 0.356 mW/g

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



#103_WCDMA II_RMC12.2K_Bottom_0cm_Ch9538**DUT: 2N2103-01**

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

Medium: MSL_1900_121218 Medium parameters used: $f = 1908$ MHz; $\sigma = 1.529$ mho/m; $\epsilon_r = 53.178$; ρ

$= 1000$ kg/m³

Ambient Temperature : 22.6 °C ; Liquid Temperature : 21.6 °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 v5.0 Left; Type: QDOVA002AA; Serial: TP:1131
- Measurement SW: DASY52, Version 52.8 (3); SEMCAD X Version 14.6.5 (6469)

Configuration/Ch9538/Area Scan (81x101x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.889 mW/g

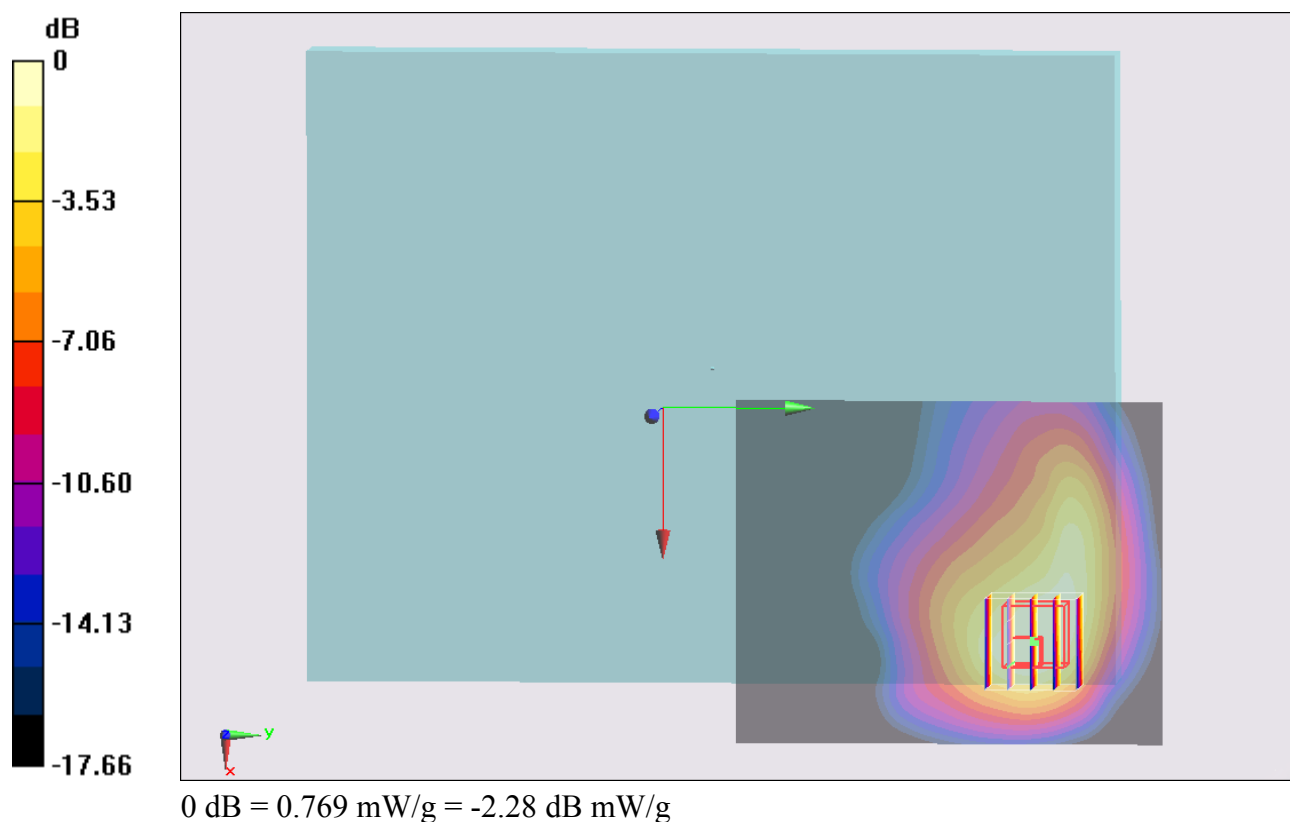
Configuration/Ch9538/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 24.212 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 1.303 mW/g

SAR(1 g) = 0.728 mW/g; SAR(10 g) = 0.429 mW/g

Maximum value of SAR (measured) = 0.769 mW/g



#60_CDMA2000 BC0_RTAP 153.6_Bottom Face_1cm_Ch1013**DUT: 2N2103-01**

Communication System: CDMA ; Frequency: 824.7 MHz; Duty Cycle: 1:1

Medium: MSL_850_121218 Medium parameters used: $f = 825$ MHz; $\sigma = 0.943$ mho/m; $\epsilon_r = 52.906$; $\rho =$

1000 kg/m^3

Ambient Temperature : 22.5°C ; Liquid Temperature : 21.5°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/Ch1013/Area Scan (81x91x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$
Maximum value of SAR (interpolated) = 0.541 mW/g

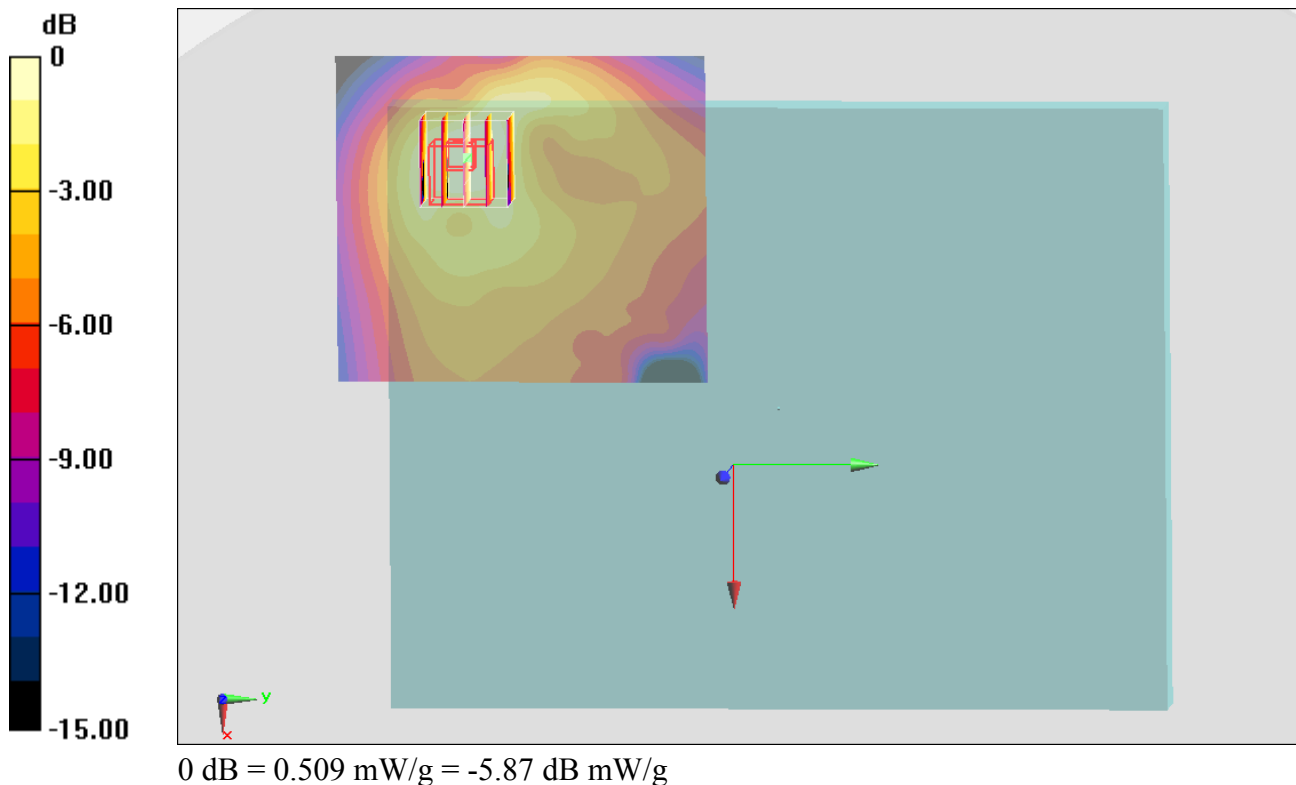
Configuration/Ch1013/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 24.368 V/m ; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 1.206 mW/g

SAR(1 g) = 0.481 mW/g ; SAR(10 g) = 0.310 mW/g

Maximum value of SAR (measured) = 0.509 mW/g



#46_CDMA2000 BC0_RTAP 153.6_Bottom Face_0cm_Ch1013**DUT: 2N2103-01**

Communication System: CDMA ; Frequency: 824.7 MHz; Duty Cycle: 1:1

Medium: MSL_850_121218 Medium parameters used: $f = 825$ MHz; $\sigma = 0.943$ mho/m; $\epsilon_r = 52.906$; $\rho =$

1000 kg/m^3

Ambient Temperature : 22.5°C ; Liquid Temperature : 21.5°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/Ch1013/Area Scan (81x91x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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

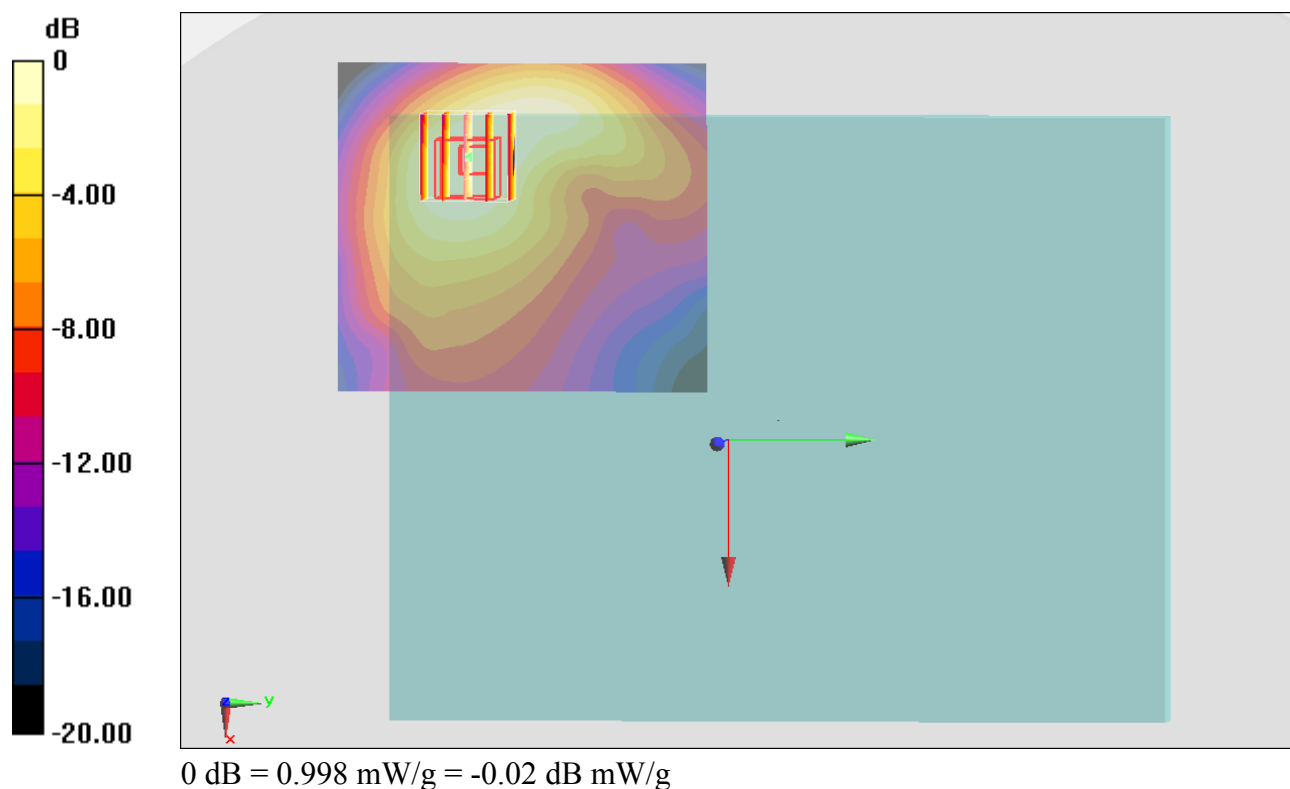
Configuration/Ch1013/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 37.325 V/m ; Power Drift = -0.140 dB

Peak SAR (extrapolated) = 1.961 mW/g

SAR(1 g) = 0.922 mW/g ; SAR(10 g) = 0.597 mW/g

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



#47_CDMA2000 BC0_RTAP 153.6_Bottom Face_0cm_Ch384**DUT: 2N2103-01**

Communication System: CDMA ; Frequency: 836.52 MHz;Duty Cycle: 1:1

Medium: MSL_850_121218 Medium parameters used: $f = 837$ MHz; $\sigma = 0.956$ mho/m; $\epsilon_r = 52.791$; $\rho =$

1000 kg/m^3

Ambient Temperature : 22.5°C ; Liquid Temperature : 21.5°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/Ch384/Area Scan (81x91x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Maximum value of SAR (interpolated) = 1.35 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 = 0.575 V/m ; Power Drift = 0.146 dB

Peak SAR (extrapolated) = 1.544 mW/g

SAR(1 g) = 0.984 mW/g ; SAR(10 g) = 0.625 mW/g

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

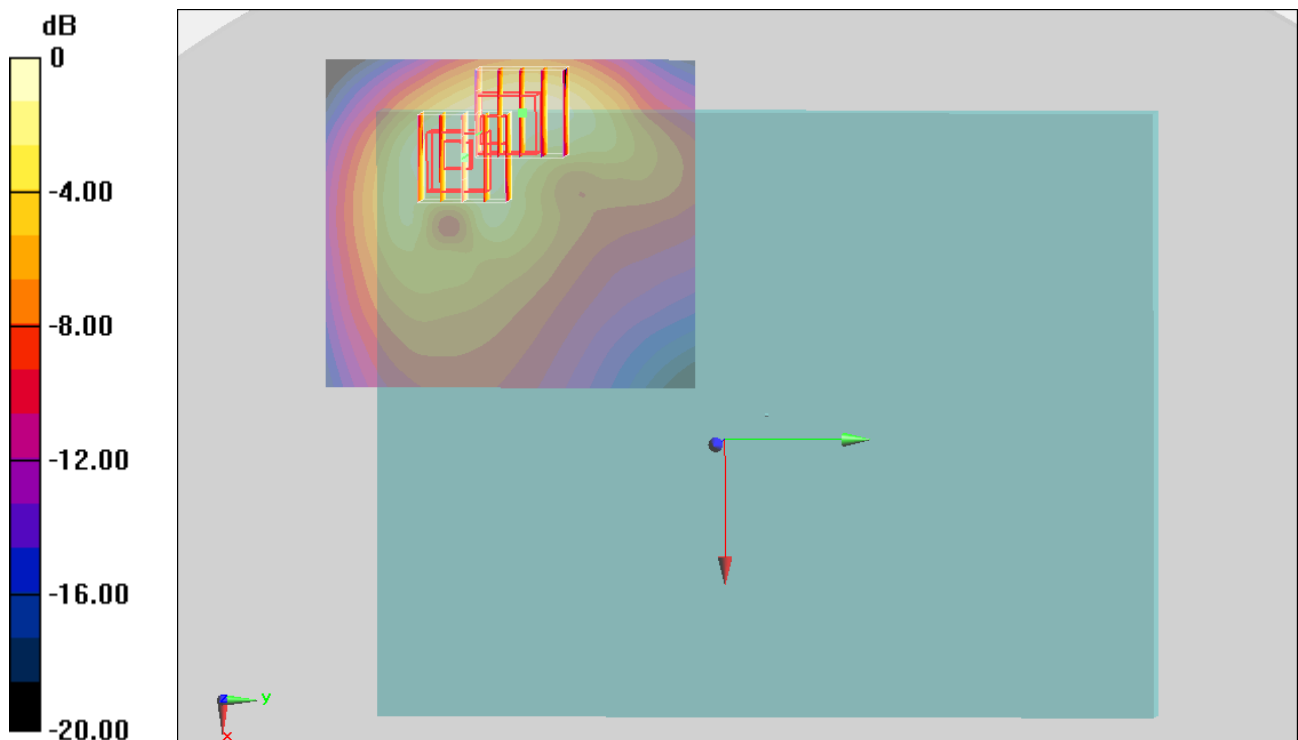
Configuration/Ch384/Zoom Scan (5x5x7)/Cube 1: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 0.575 V/m ; Power Drift = 0.146 dB

Peak SAR (extrapolated) = 1.396 mW/g

SAR(1 g) = 0.841 mW/g ; SAR(10 g) = 0.504 mW/g

Maximum value of SAR (measured) = 0.966 mW/g



#48_CDMA2000 BC0_RTAP 153.6_Bottom Face_0cm_Ch777**DUT: 2N2103-01**

Communication System: CDMA ; Frequency: 848.31 MHz; Duty Cycle: 1:1

Medium: MSL_850_121218 Medium parameters used : $f = 848.31$ MHz; $\sigma = 0.967$ mho/m; $\epsilon_r = 52.673$; ρ

$= 1000$ kg/m³

Ambient Temperature : 22.5 °C ; Liquid Temperature : 21.5 °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/Ch777/Area Scan (81x91x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 1.26 mW/g

Configuration/Ch777/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 36.886 V/m; Power Drift = -0.169 dB

Peak SAR (extrapolated) = 1.101 mW/g

SAR(1 g) = 0.905 mW/g; SAR(10 g) = 0.548 mW/g

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

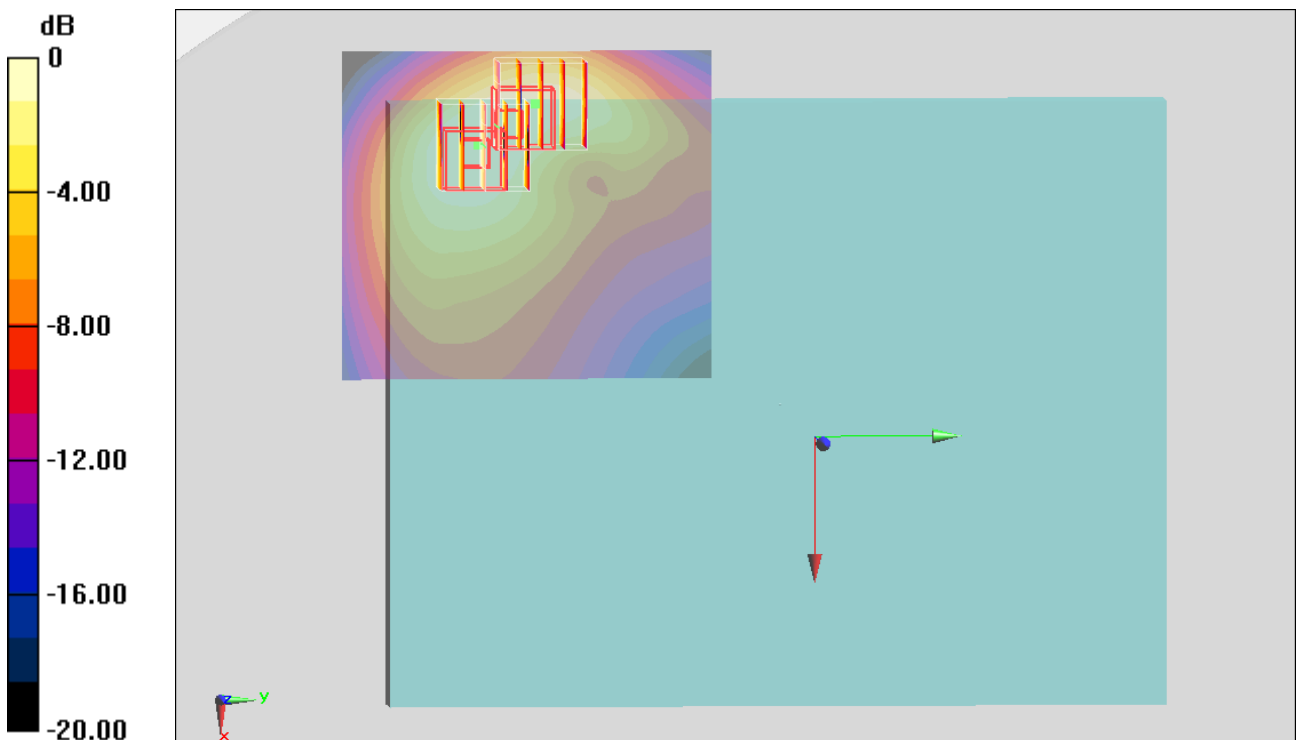
Configuration/Ch777/Zoom Scan (5x5x7)/Cube 1: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 36.886 V/m; Power Drift = -0.169 dB

Peak SAR (extrapolated) = 1.410 mW/g

SAR(1 g) = 0.867 mW/g; SAR(10 g) = 0.520 mW/g

Maximum value of SAR (measured) = 0.965 mW/g



0 dB = 0.965 mW/g = -0.31 dB mW/g

#49_CDMA2000 BC0_RTAP 153.6_Edge 3_0cm_Ch1013**DUT: 2N2103-01**

Communication System: CDMA ; Frequency: 824.7 MHz; Duty Cycle: 1:1

Medium: MSL_850_121218 Medium parameters used: $f = 825$ MHz; $\sigma = 0.943$ mho/m; $\epsilon_r = 52.906$; $\rho =$

1000 kg/m^3

Ambient Temperature : 22.5°C ; Liquid Temperature : 21.5°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/Ch1013/Area Scan (41x141x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$
Maximum value of SAR (interpolated) = 1.02 mW/g

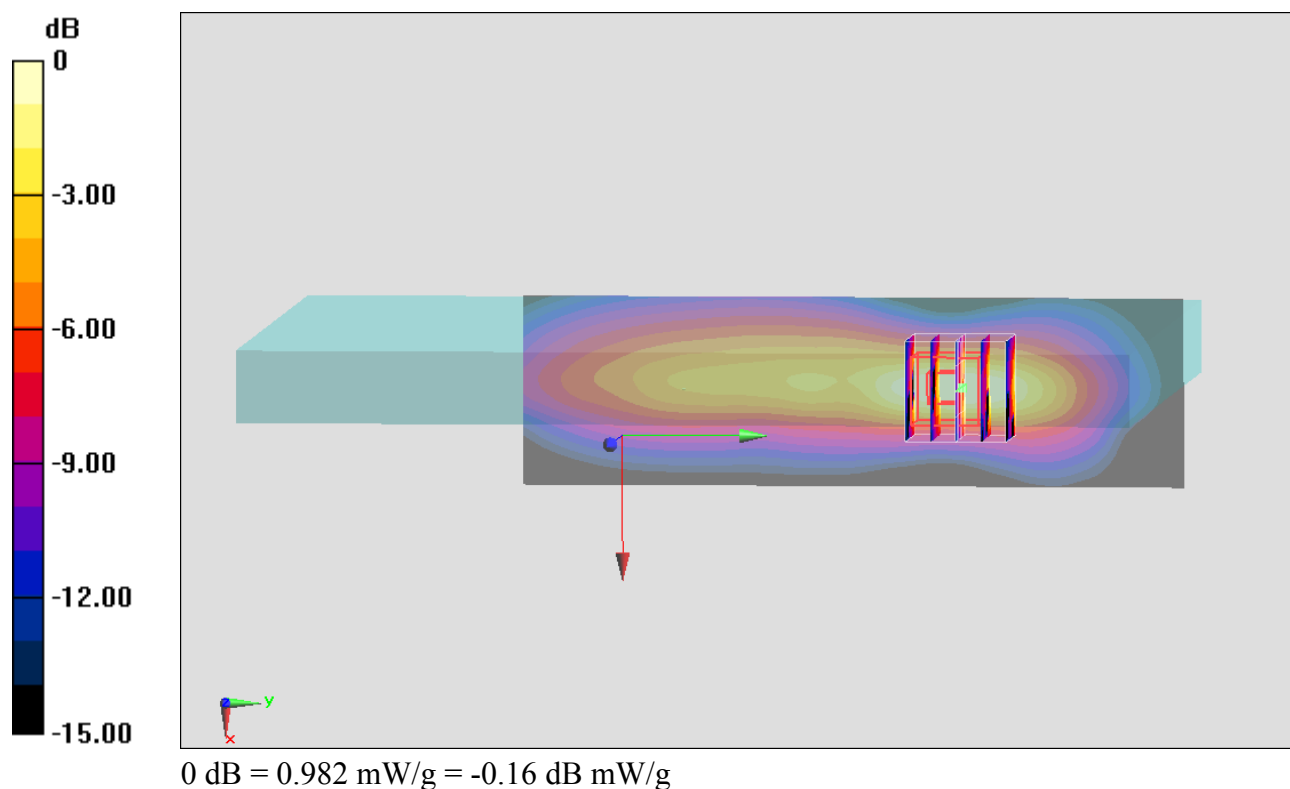
Configuration/Ch1013/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 34.200 V/m ; Power Drift = -0.06 dB

Peak SAR (extrapolated) = 2.480 mW/g

SAR(1 g) = 0.845 mW/g ; SAR(10 g) = 0.442 mW/g

Maximum value of SAR (measured) = 0.982 mW/g



#50_CDMA2000 BC0_RTAP 153.6_Edge 3_0cm_Ch384**DUT: 2N2103-01**

Communication System: CDMA ; Frequency: 836.52 MHz;Duty Cycle: 1:1

Medium: MSL_850_121218 Medium parameters used: $f = 837$ MHz; $\sigma = 0.956$ mho/m; $\epsilon_r = 52.791$; $\rho =$

1000 kg/m^3

Ambient Temperature : 22.5°C ; Liquid Temperature : 21.5°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/Ch384/Area Scan (41x141x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Maximum value of SAR (interpolated) = 0.997 mW/g

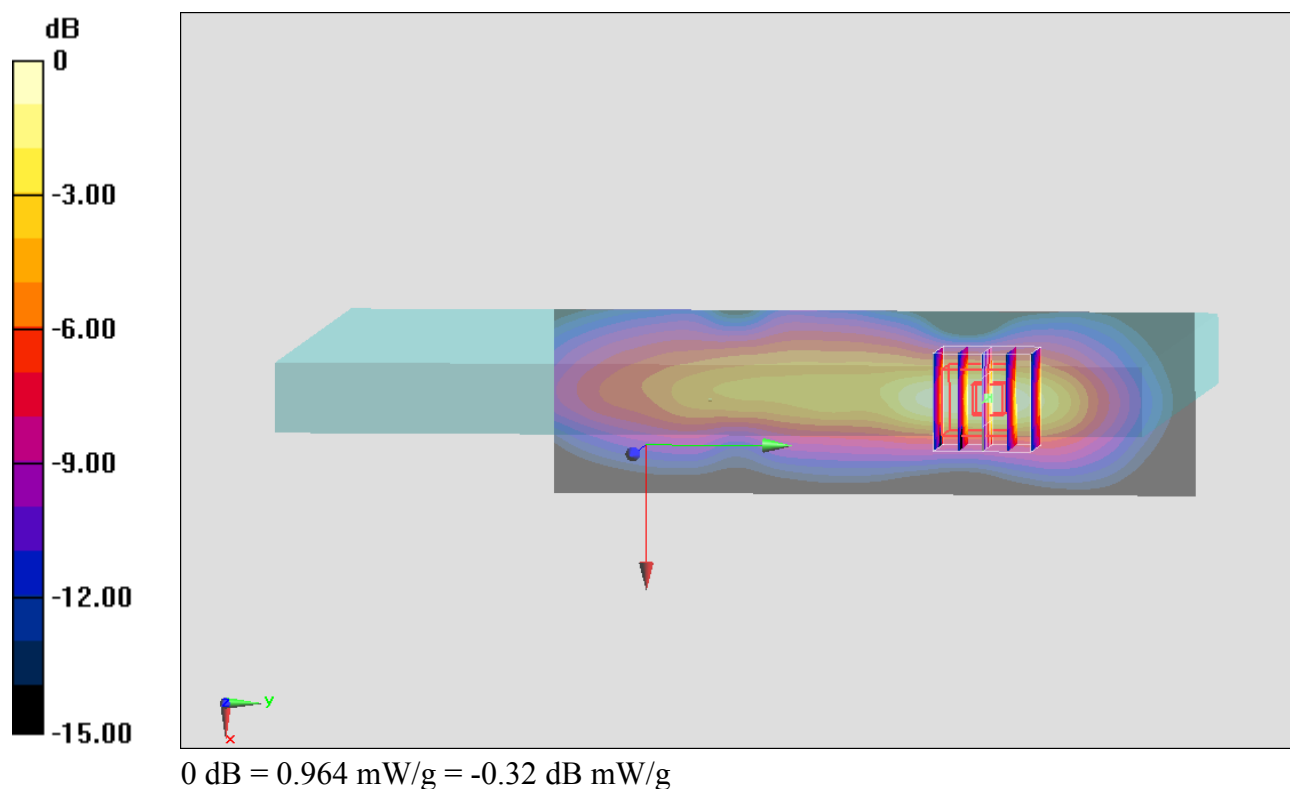
Configuration/Ch384/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 33.121 V/m ; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 1.710 mW/g

SAR(1 g) = 0.850 mW/g ; SAR(10 g) = 0.450 mW/g

Maximum value of SAR (measured) = 0.964 mW/g



#51_CDMA2000 BC0_RTAP 153.6_Edge 3_0cm_Ch777**DUT: 2N2103-01**

Communication System: CDMA ; Frequency: 848.31 MHz;Duty Cycle: 1:1

Medium: MSL_850_121218 Medium parameters used: $f = 848.31$ MHz; $\sigma = 0.967$ mho/m; $\epsilon_r = 52.673$; ρ

$= 1000$ kg/m³

Ambient Temperature : 22.5 °C; Liquid Temperature : 21.5 °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/Ch777/Area Scan (41x141x1): Measurement grid: dx=15mm, dy=15mm

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

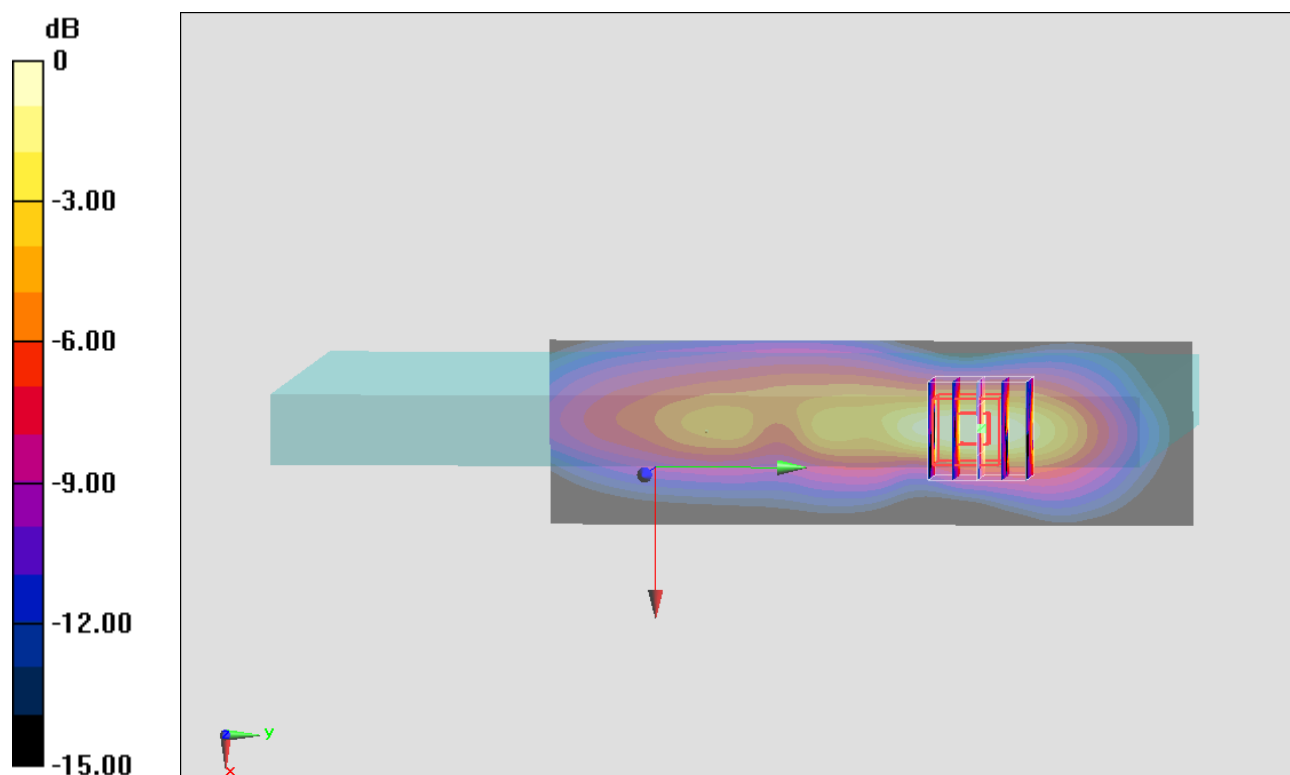
Configuration/Ch777/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 33.274 V/m; Power Drift = 0.18 dB

Peak SAR (extrapolated) = 2.801 mW/g

SAR(1 g) = 0.989 mW/g; SAR(10 g) = 0.514 mW/g

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



#52_CDMA2000 BC0_RTAP 153.6_Edge 4_0cm_Ch1013**DUT: 2N2103-01**

Communication System: CDMA ; Frequency: 824.7 MHz; Duty Cycle: 1:1

Medium: MSL_850_121218 Medium parameters used: $f = 825$ MHz; $\sigma = 0.943$ mho/m; $\epsilon_r = 52.906$; $\rho =$

1000 kg/m^3

Ambient Temperature : 22.5°C ; Liquid Temperature : 21.5°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/Ch1013/Area Scan (41x121x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$
Maximum value of SAR (interpolated) = 0.706 mW/g

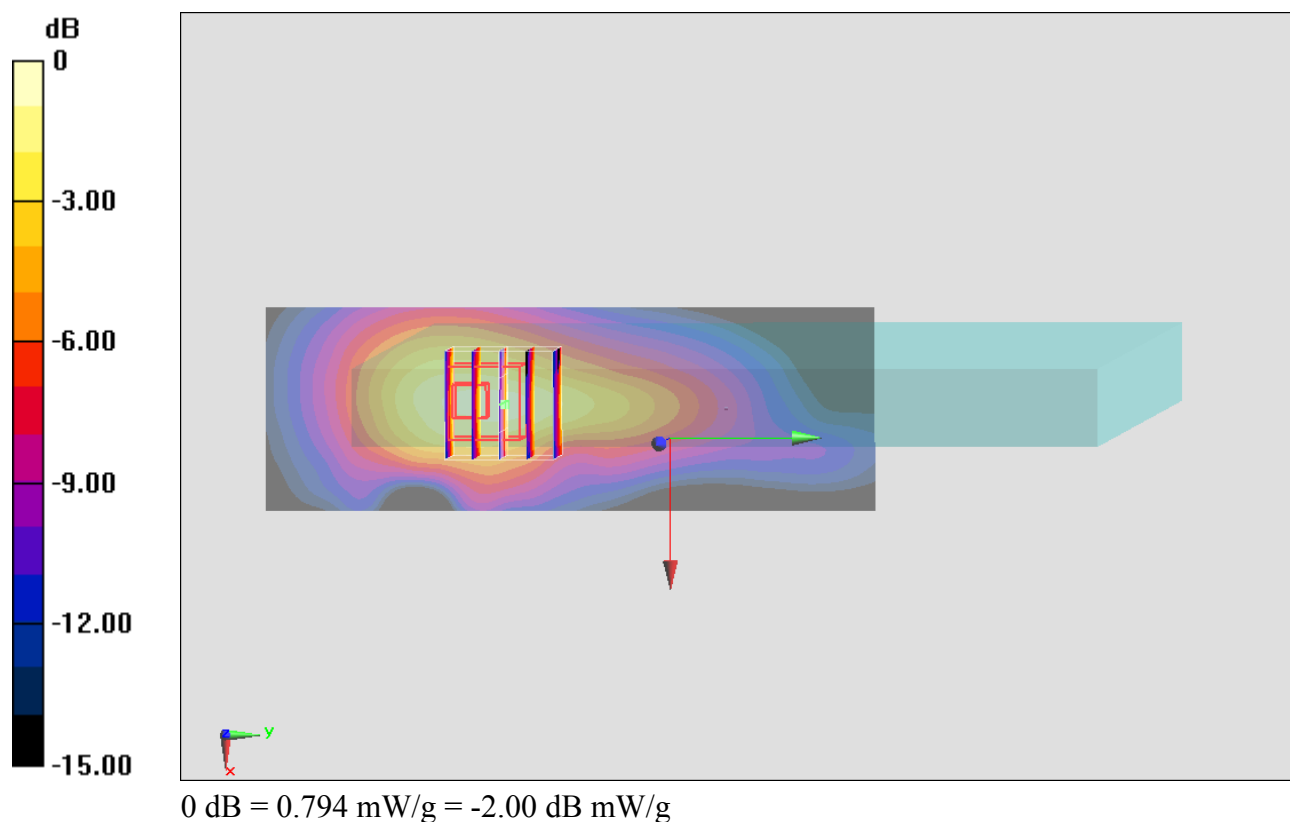
Configuration/Ch1013/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 30.022 V/m ; Power Drift = 0.12 dB

Peak SAR (extrapolated) = 1.160 mW/g

SAR(1 g) = 0.645 mW/g ; SAR(10 g) = 0.371 mW/g

Maximum value of SAR (measured) = 0.794 mW/g



#53_CDMA2000 BC0_RTAP 153.6_Edge 4_0cm_Ch384**DUT: 2N2103-01**

Communication System: CDMA ; Frequency: 836.52 MHz;Duty Cycle: 1:1

Medium: MSL_850_121218 Medium parameters used: $f = 837$ MHz; $\sigma = 0.956$ mho/m; $\epsilon_r = 52.791$; $\rho =$

1000 kg/m^3

Ambient Temperature : 22.5°C ; Liquid Temperature : 21.5°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/Ch384/Area Scan (41x121x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Maximum value of SAR (interpolated) = 0.793 mW/g

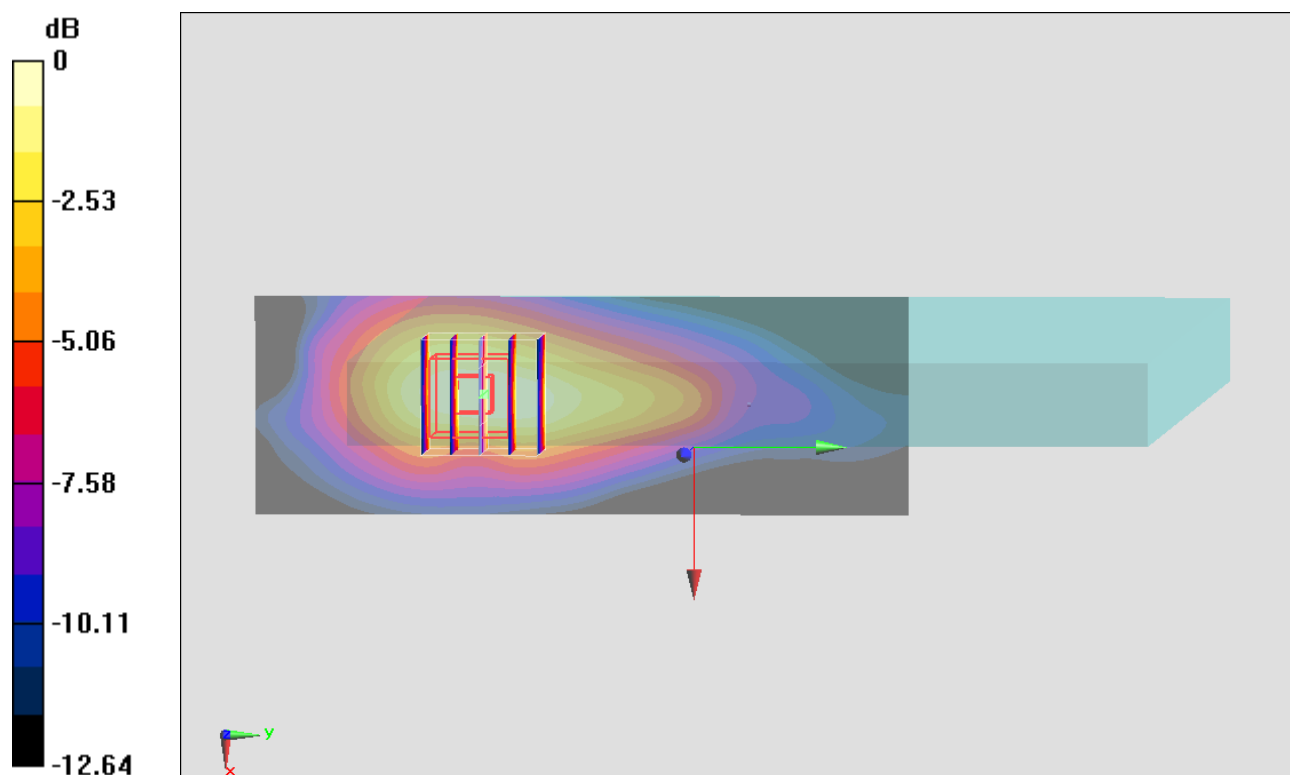
Configuration/Ch384/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 28.955 V/m ; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 1.343 mW/g

SAR(1 g) = 0.703 mW/g ; SAR(10 g) = 0.409 mW/g

Maximum value of SAR (measured) = 0.761 mW/g



#54_CDMA2000 BC0_RTAP 153.6_Edge 4_0cm_Ch777**DUT: 2N2103-01**

Communication System: CDMA ; Frequency: 848.31 MHz; Duty Cycle: 1:1

Medium: MSL_850_121218 Medium parameters used: $f = 848.31$ MHz; $\sigma = 0.967$ mho/m; $\epsilon_r = 52.673$; $\rho =$

1000 kg/m^3

Ambient Temperature : 22.5°C ; Liquid Temperature : 21.5°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/Ch777/Area Scan (41x121x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Maximum value of SAR (interpolated) = 0.783 mW/g

Configuration/Ch777/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 26.827 V/m ; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 1.042 mW/g

SAR(1 g) = 0.601 mW/g ; SAR(10 g) = 0.364 mW/g

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

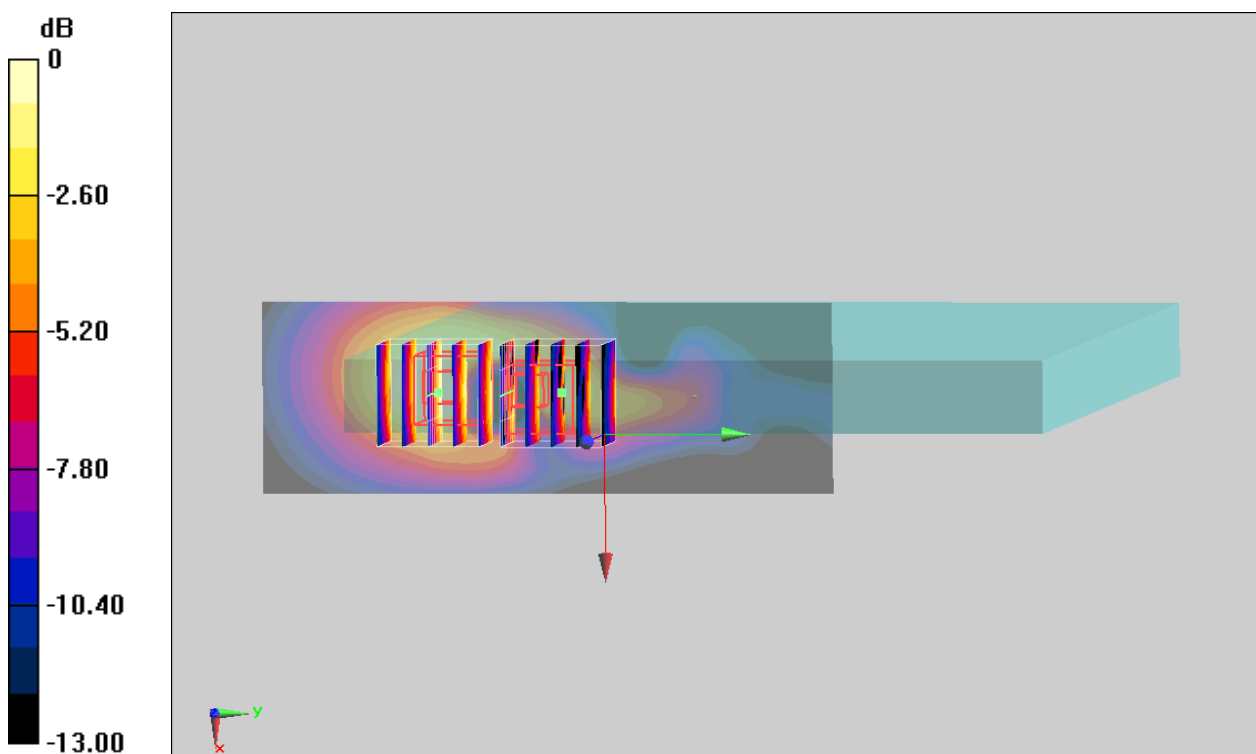
Configuration/Ch777/Zoom Scan (5x5x7)/Cube 1: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 26.827 V/m ; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 1.725 mW/g

SAR(1 g) = 0.461 mW/g ; SAR(10 g) = 0.215 mW/g

Maximum value of SAR (measured) = 0.570 mW/g



0 dB = 0.570 mW/g = -4.88 dB mW/g

#55_CDMA2000 BC0_RTAP 153.6_Bottom_0cm_Ch1013**DUT: 2N2103-01**

Communication System: CDMA ; Frequency: 824.7 MHz; Duty Cycle: 1:1

Medium: MSL_850_121218 Medium parameters used: $f = 825$ MHz; $\sigma = 0.943$ mho/m; $\epsilon_r = 52.906$; $\rho =$

1000 kg/m^3

Ambient Temperature : 22.5°C ; Liquid Temperature : 21.5°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/Ch1013/Area Scan (81x101x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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

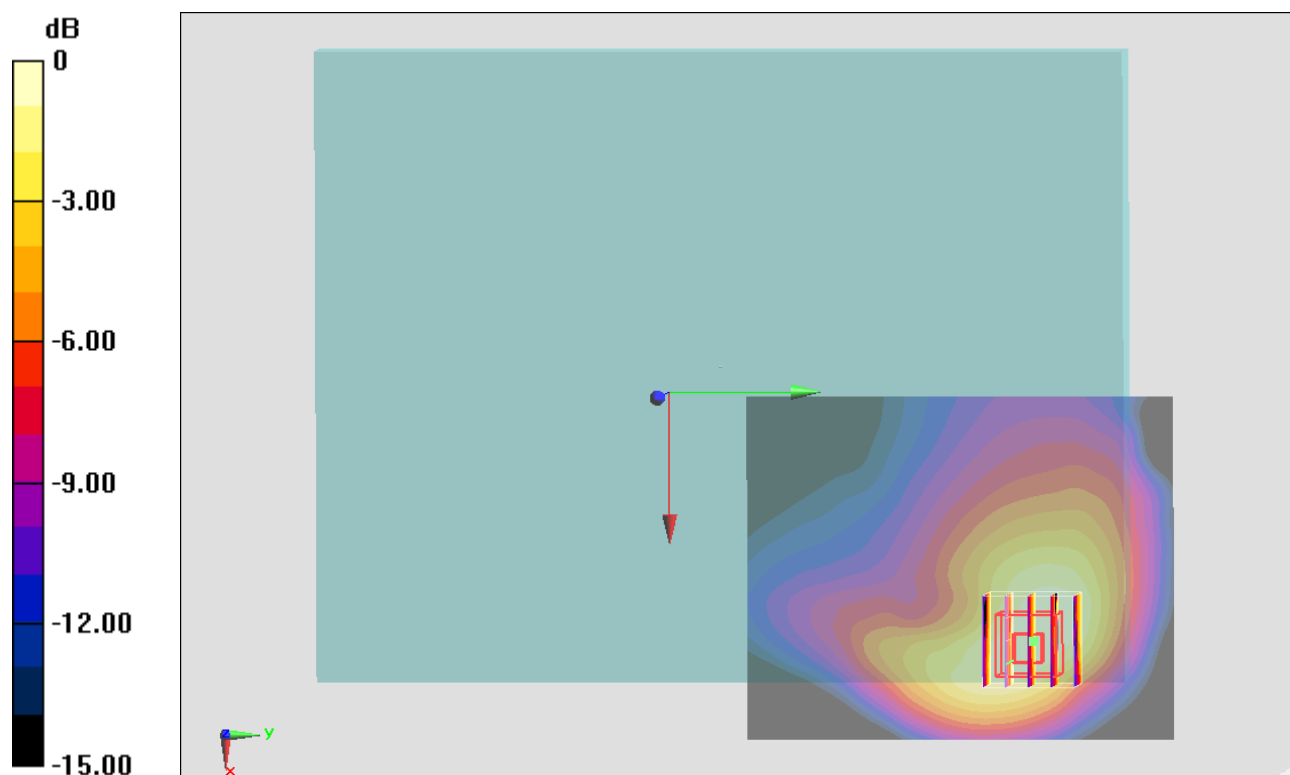
Configuration/Ch1013/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 34.233 V/m ; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 2.296 mW/g

SAR(1 g) = 0.955 mW/g ; SAR(10 g) = 0.588 mW/g

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



#56_CDMA2000 BC0_RTAP 153.6_Bottom_0cm_Ch384**DUT: 2N2103-01**

Communication System: CDMA ; Frequency: 836.52 MHz;Duty Cycle: 1:1

Medium: MSL_850_121218 Medium parameters used: $f = 837$ MHz; $\sigma = 0.956$ mho/m; $\epsilon_r = 52.791$; $\rho =$

1000 kg/m^3

Ambient Temperature : 22.5°C ; Liquid Temperature : 21.5°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/Ch384/Area Scan (81x101x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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

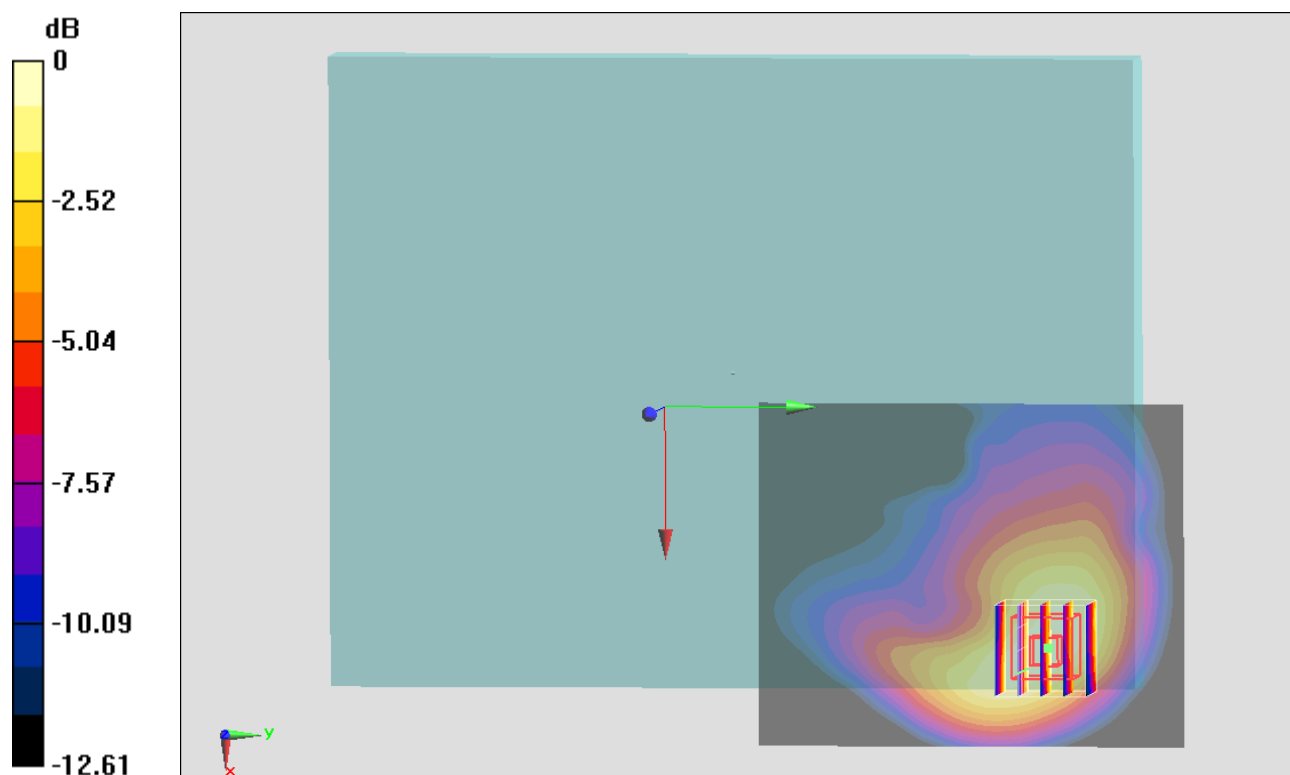
Configuration/Ch384/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 34.452 V/m ; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 2.245 mW/g

SAR(1 g) = 1 mW/g ; SAR(10 g) = 0.630 mW/g

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



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

#58_CDMA2000 BC0_RTAP 153.6_Bottom_0cm_Ch777**DUT: 2N2103-01**

Communication System: CDMA ; Frequency: 848.31 MHz; Duty Cycle: 1:1

Medium: MSL_850_121218 Medium parameters used: $f = 848.31$ MHz; $\sigma = 0.967$ mho/m; $\epsilon_r = 52.673$; $\rho =$

1000 kg/m^3

Ambient Temperature : 22.5°C ; Liquid Temperature : 21.5°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/Ch777/Area Scan (81x101x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$
Maximum value of SAR (interpolated) = 1.12 mW/g

Configuration/Ch777/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 35.171 V/m ; Power Drift = 0.00 dB

Peak SAR (extrapolated) = 1.615 mW/g

SAR(1 g) = 1.01 mW/g ; SAR(10 g) = 0.633 mW/g

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

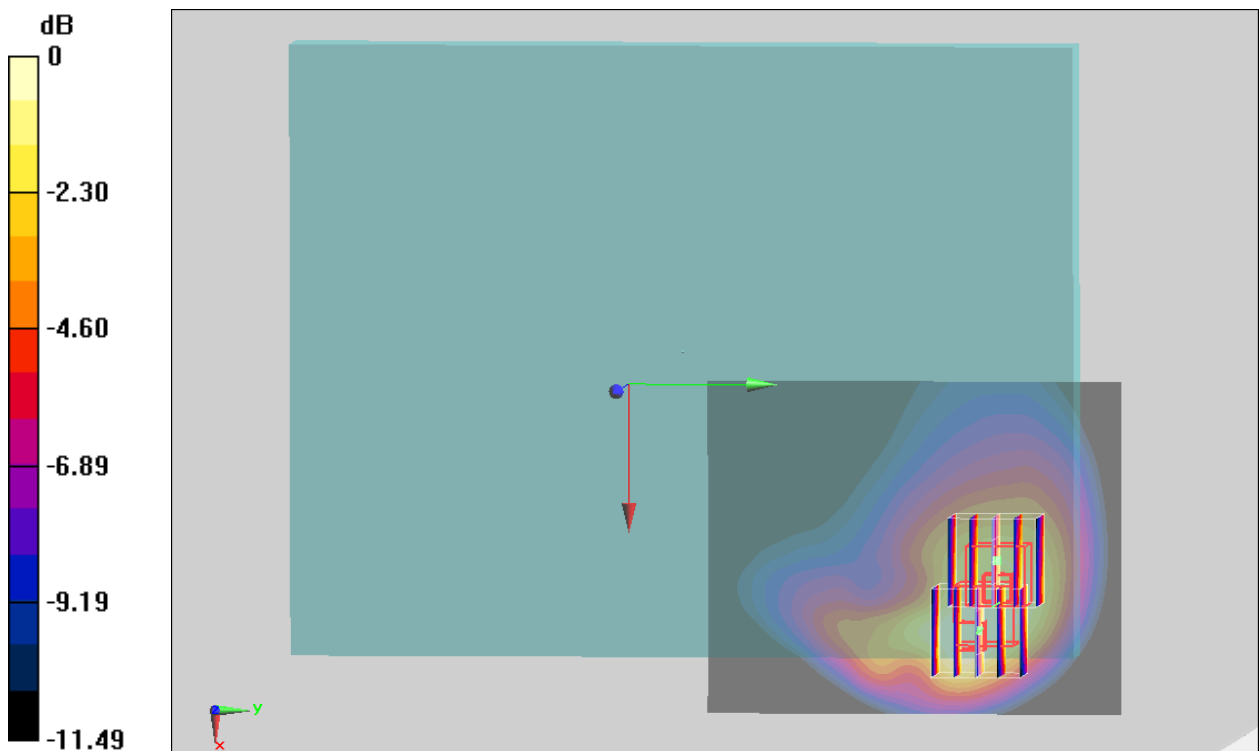
Configuration/Ch777/Zoom Scan (5x5x7)/Cube 1: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 35.171 V/m ; Power Drift = 0.00 dB

Peak SAR (extrapolated) = 1.543 mW/g

SAR(1 g) = 0.896 mW/g ; SAR(10 g) = 0.567 mW/g

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



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

#58_CDMA2000 BC0_RTAP 153.6_Bottom_0cm_Ch777_2D**DUT: 2N2103-01**

Communication System: CDMA ; Frequency: 848.31 MHz; Duty Cycle: 1:1

Medium: MSL_850_121218 Medium parameters used: $f = 848.31$ MHz; $\sigma = 0.967$ mho/m; $\epsilon_r = 52.673$; ρ

$= 1000$ kg/m³

Ambient Temperature : 22.5 °C ; Liquid Temperature : 21.5 °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/Ch777/Area Scan (81x101x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 1.12 mW/g

Configuration/Ch777/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 35.171 V/m; Power Drift = 0.00 dB

Peak SAR (extrapolated) = 1.615 mW/g

SAR(1 g) = 1.01 mW/g; SAR(10 g) = 0.633 mW/g

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

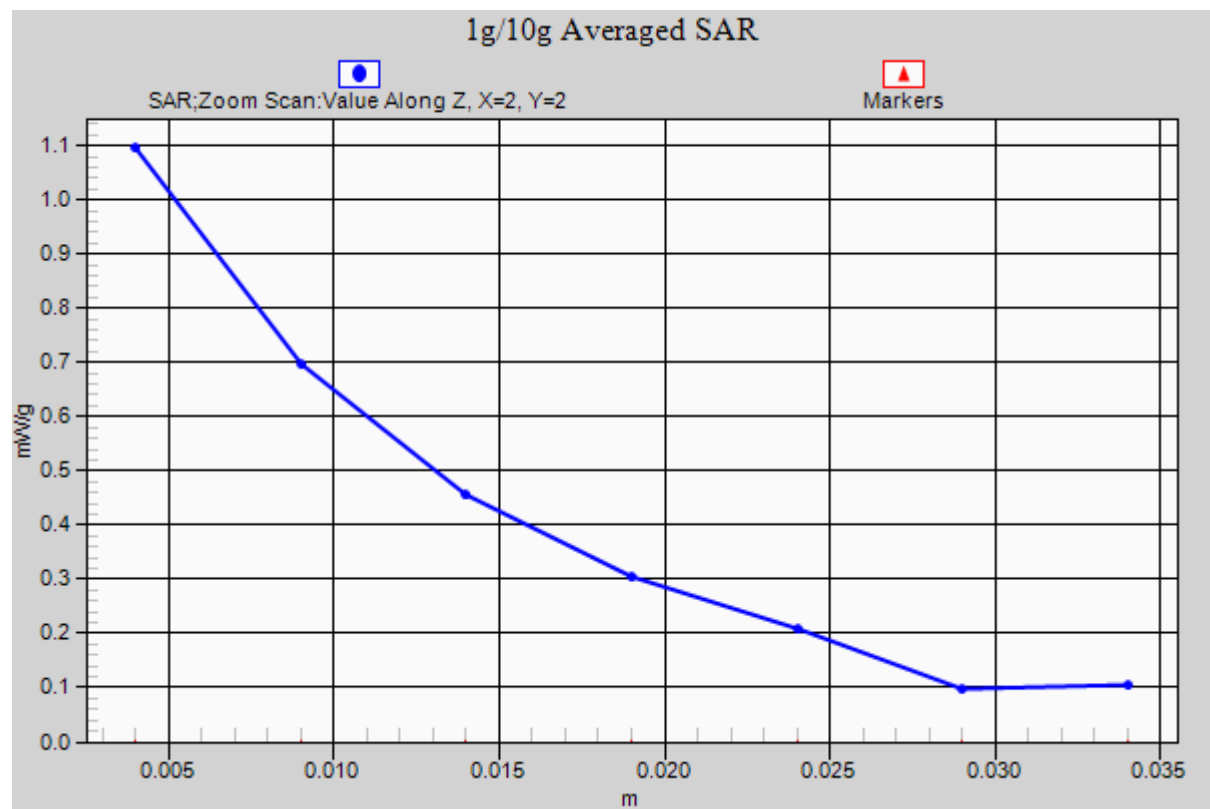
Configuration/Ch777/Zoom Scan (5x5x7)/Cube 1: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 35.171 V/m; Power Drift = 0.00 dB

Peak SAR (extrapolated) = 1.543 mW/g

SAR(1 g) = 0.896 mW/g; SAR(10 g) = 0.567 mW/g

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



#59_CDMA2000 BC0_RTAP 153.6_Bottom_0cm_Ch777_Repeat**DUT: 2N2103-01**

Communication System: CDMA ; Frequency: 848.31 MHz;Duty Cycle: 1:1

Medium: MSL_850_121218 Medium parameters used: $f = 848.31$ MHz; $\sigma = 0.967$ mho/m; $\epsilon_r = 52.673$; ρ

$= 1000$ kg/m³

Ambient Temperature : 22.5 °C ; Liquid Temperature : 21.5 °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/Ch777/Area Scan (81x101x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.922 mW/g

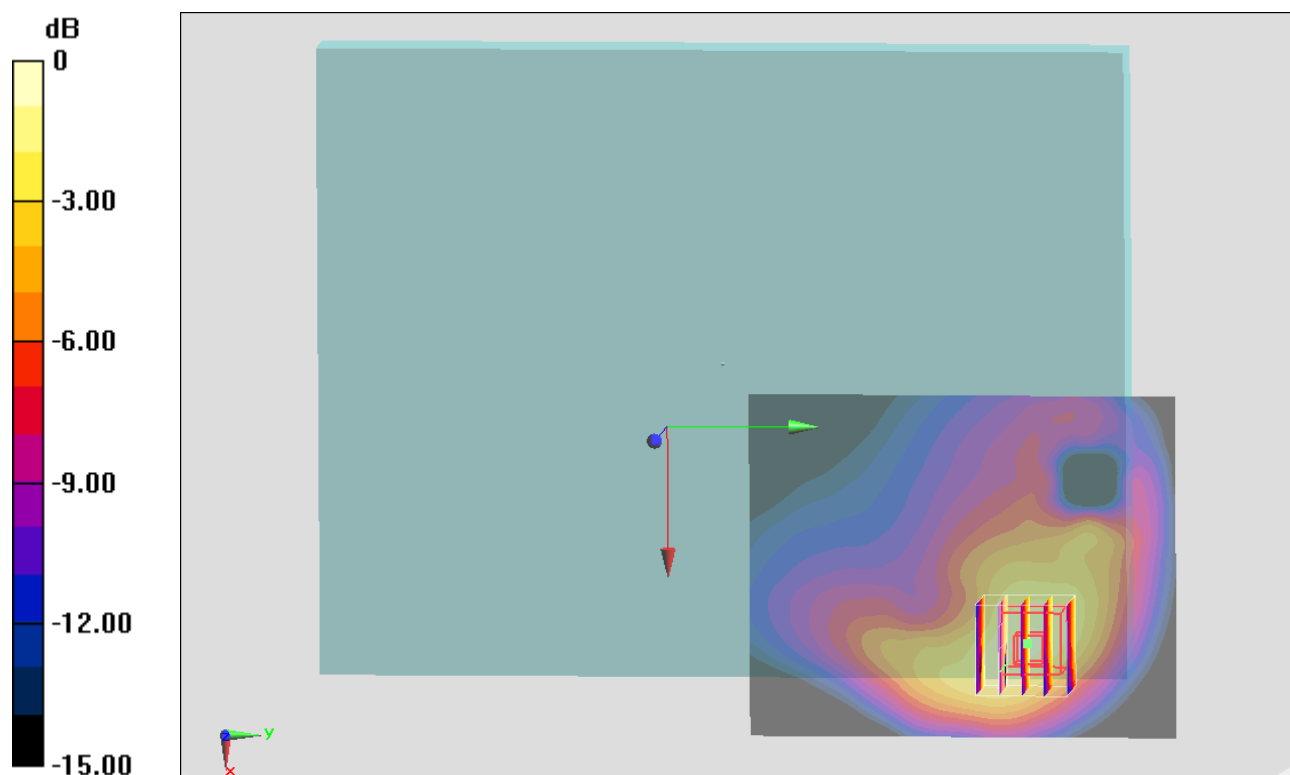
Configuration/Ch777/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 31.720 V/m; Power Drift = 0.81 dB

Peak SAR (extrapolated) = 2.679 mW/g

SAR(1 g) = 0.991 mW/g; SAR(10 g) = 0.604 mW/g

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



#70_CDMA2000 BC1_RTAP 153.6_Bottom Face_1cm_Ch25**DUT: 2N2103-01**

Communication System: CDMA ; Frequency: 1851.25 MHz;Duty Cycle: 1:1

Medium: MSL_1900_121218 Medium parameters used : $f = 1851.25$ MHz; $\sigma = 1.482$ mho/m; $\epsilon_r =$

53.433; $\rho = 1000$ kg/m³

Ambient Temperature : 22.6 °C ; Liquid Temperature : 21.6 °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 v5.0 Left; Type: QDOVA002AA; Serial: TP:1131
- Measurement SW: DASY52, Version 52.8 (3); SEMCAD X Version 14.6.5 (6469)

Configuration/Ch25/Area Scan (81x91x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.497 mW/g

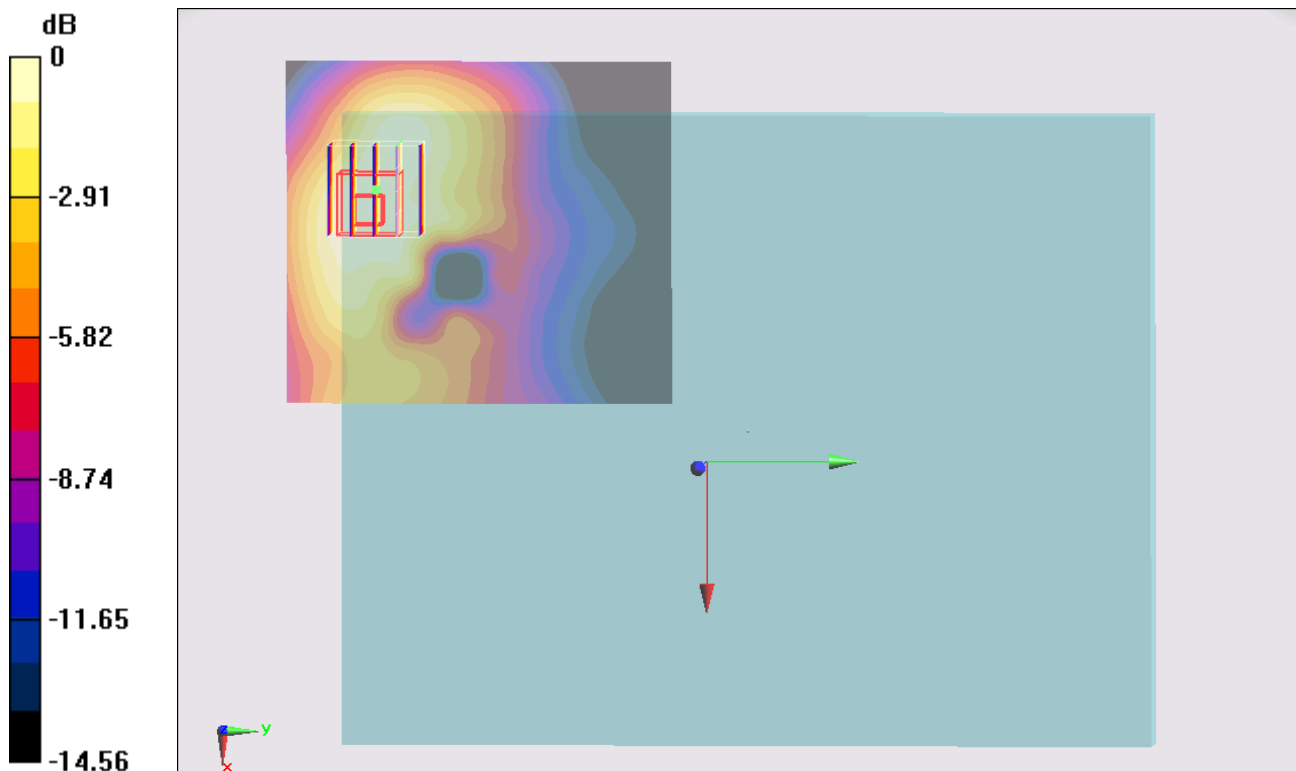
Configuration/Ch25/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 19.787 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 0.702 mW/g

SAR(1 g) = 0.477 mW/g; SAR(10 g) = 0.305 mW/g

Maximum value of SAR (measured) = 0.502 mW/g



#61_CDMA2000 BC1_RTAP 153.6_Bottom Face_0cm_Ch600**DUT: 2N2103-01**

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

Medium: MSL_1900_121218 Medium parameters used: $f = 1880$ MHz; $\sigma = 1.505$ mho/m; $\epsilon_r = 53.327$; ρ

$= 1000$ kg/m³

Ambient Temperature : 22.6 °C ; Liquid Temperature : 21.6 °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 v5.0 Left; Type: QDOVA002AA; Serial: TP:1131
- Measurement SW: DASY52, Version 52.8 (3); SEMCAD X Version 14.6.5 (6469)

Configuration/Ch600/Area Scan (81x91x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.861 mW/g

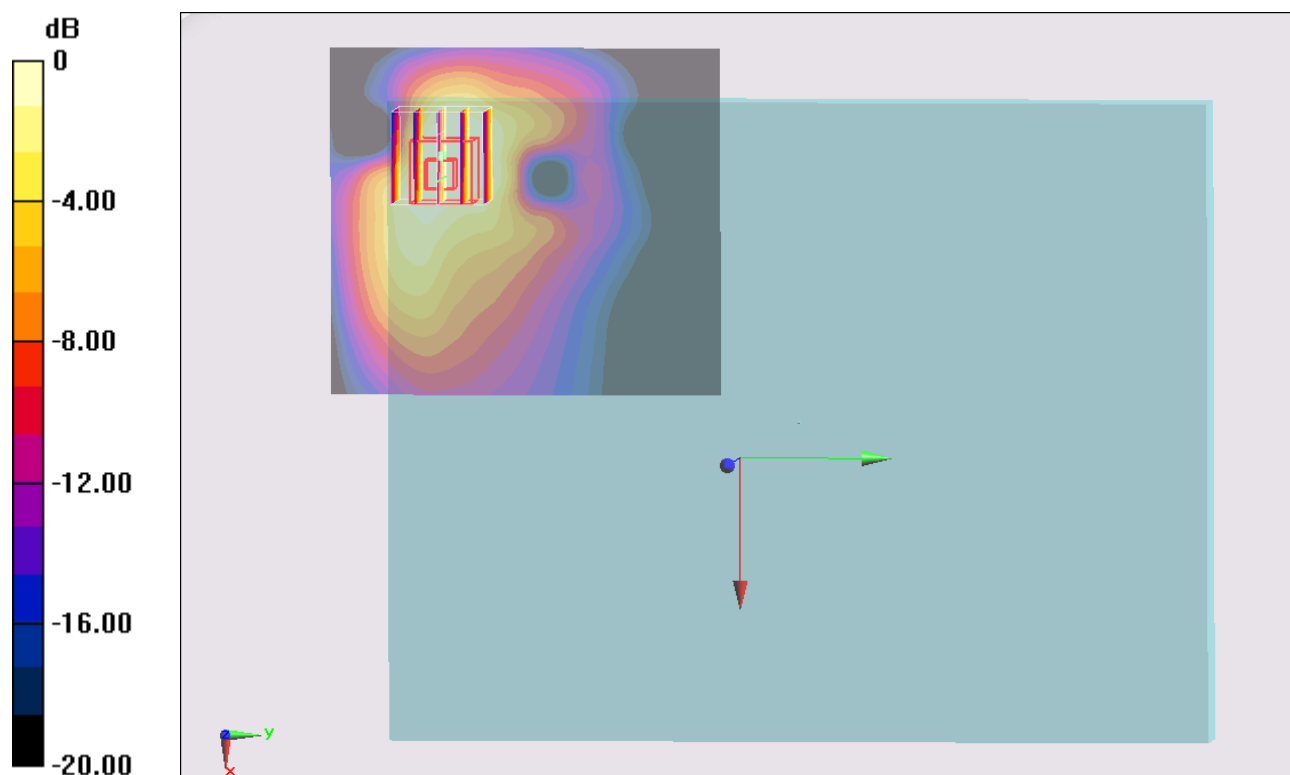
Configuration/Ch600/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 21.748 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 0.966 mW/g

SAR(1 g) = 0.610 mW/g; SAR(10 g) = 0.370 mW/g

Maximum value of SAR (measured) = 0.705 mW/g



#62_CDMA2000 BC1_RTAP 153.6_Edge 3_0cm_Ch600**DUT: 2N2103-01**

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

Medium: MSL_1900_121218 Medium parameters used: $f = 1880$ MHz; $\sigma = 1.505$ mho/m; $\epsilon_r = 53.327$; ρ

$= 1000$ kg/m³

Ambient Temperature : 22.6 °C ; Liquid Temperature : 21.6 °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 v5.0 Left; Type: QDOVA002AA; Serial: TP:1131
- Measurement SW: DASY52, Version 52.8 (3); SEMCAD X Version 14.6.5 (6469)

Configuration/Ch600/Area Scan (41x141x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.950 mW/g

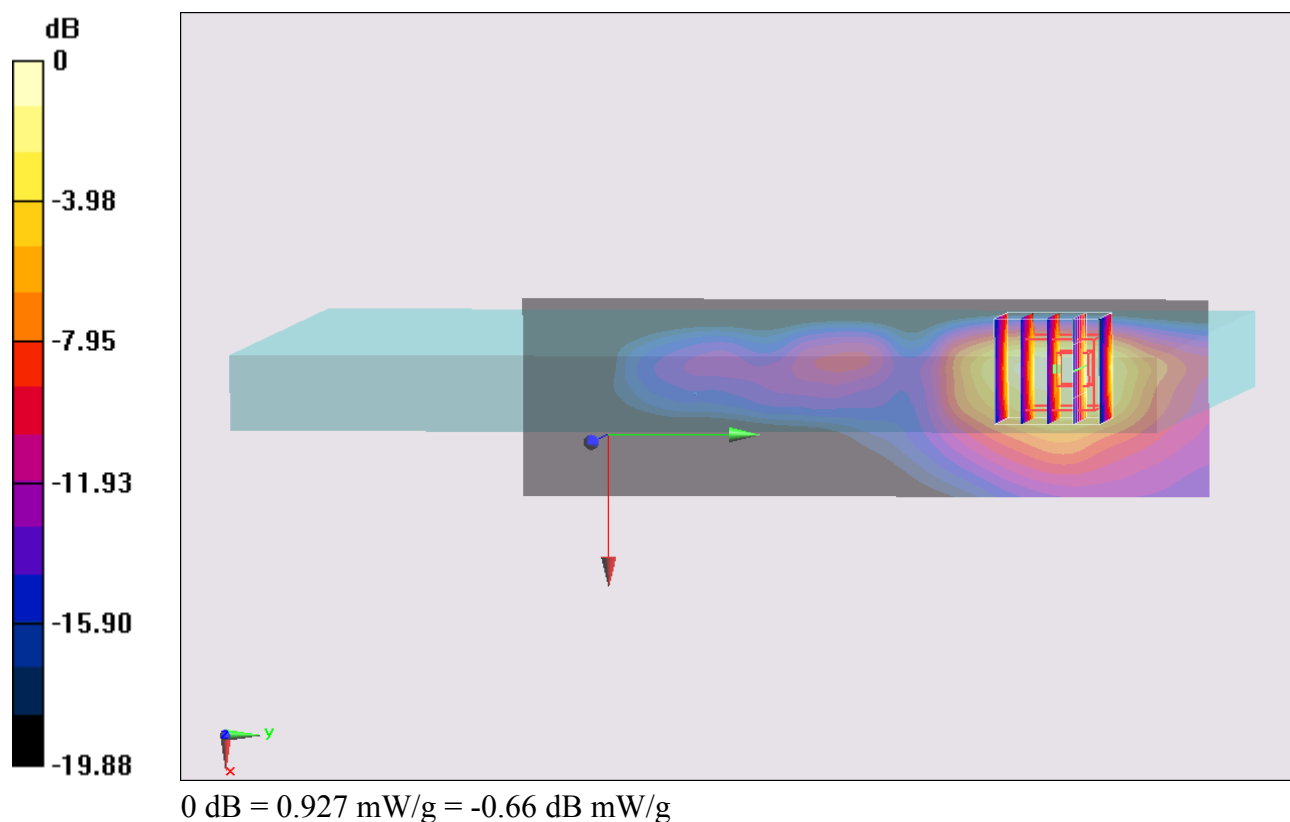
Configuration/Ch600/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 23.973 V/m; Power Drift = 0.18 dB

Peak SAR (extrapolated) = 2.169 mW/g

SAR(1 g) = 0.787 mW/g; SAR(10 g) = 0.370 mW/g

Maximum value of SAR (measured) = 0.927 mW/g



#63_CDMA2000 BC1_RTAP 153.6_Edge 3_0cm_Ch25**DUT: 2N2103-01**

Communication System: CDMA ; Frequency: 1851.25 MHz;Duty Cycle: 1:1

Medium: MSL_1900_121218 Medium parameters used: $f = 1851.25$ MHz; $\sigma = 1.482$ mho/m; $\epsilon_r =$

53.433 ; $\rho = 1000$ kg/m³

Ambient Temperature : 22.6 °C ; Liquid Temperature : 21.6 °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 v5.0 Left; Type: QDOVA002AA; Serial: TP:1131
- Measurement SW: DASY52, Version 52.8 (3); SEMCAD X Version 14.6.5 (6469)

Configuration/Ch25/Area Scan (41x141x1): Measurement grid: $dx=15$ mm, $dy=15$ mm
Maximum value of SAR (interpolated) = 0.839 mW/g

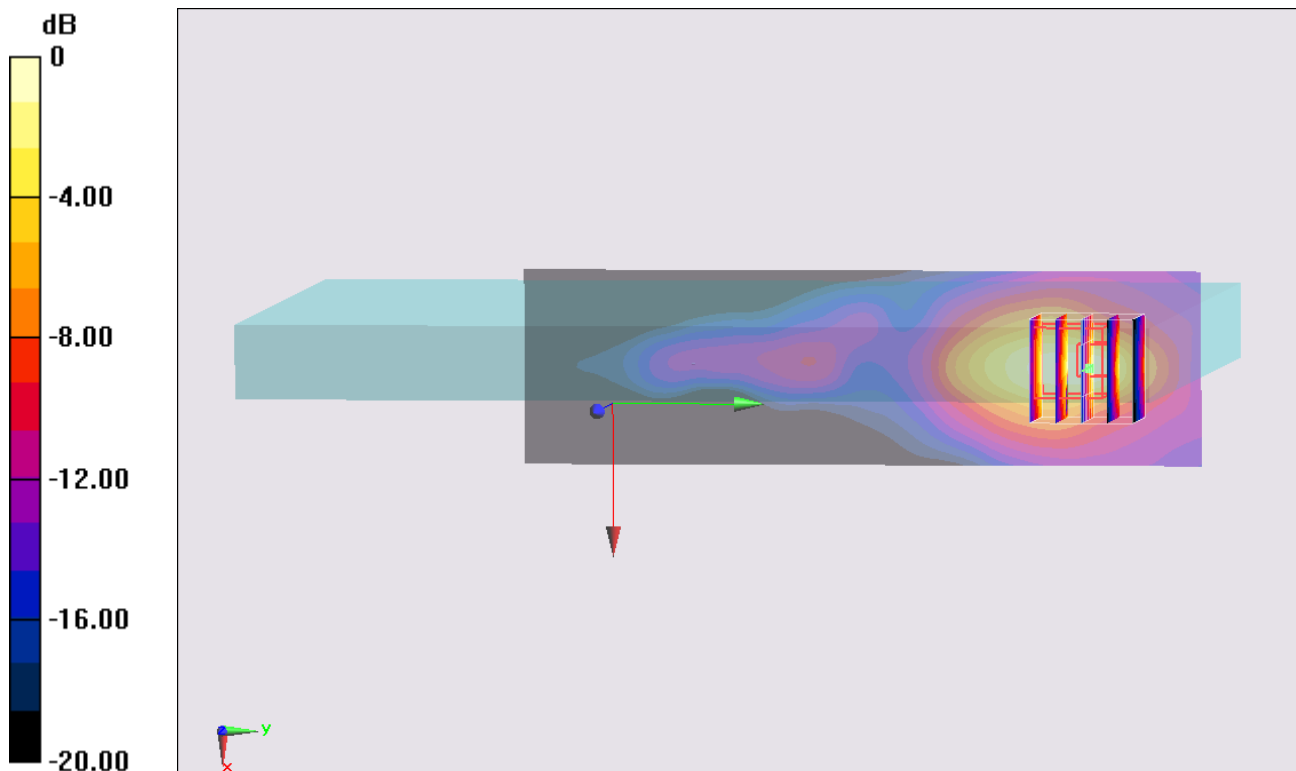
Configuration/Ch25/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 26.272 V/m; Power Drift = -0.11 dB

Peak SAR (extrapolated) = 1.098 mW/g

SAR(1 g) = 0.562 mW/g; SAR(10 g) = 0.263 mW/g

Maximum value of SAR (measured) = 0.861 mW/g



#64_CDMA2000 BC1_RTAP 153.6_Edge 3_0cm_Ch1175**DUT: 2N2103-01**

Communication System: CDMA ; Frequency: 1908.75 MHz; Duty Cycle: 1:1

Medium: MSL_1900_121218 Medium parameters used: $f = 1909$ MHz; $\sigma = 1.53$ mho/m; $\epsilon_r = 53.173$; $\rho =$

1000 kg/m³

Ambient Temperature : 22.6 °C ; Liquid Temperature : 21.6 °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 v5.0 Left; Type: QDOVA002AA; Serial: TP:1131
- Measurement SW: DASY52, Version 52.8 (3); SEMCAD X Version 14.6.5 (6469)

Configuration/Ch1175/Area Scan (41x141x1): Measurement grid: $dx=15$ mm, $dy=15$ mm
Maximum value of SAR (interpolated) = 0.877 mW/g

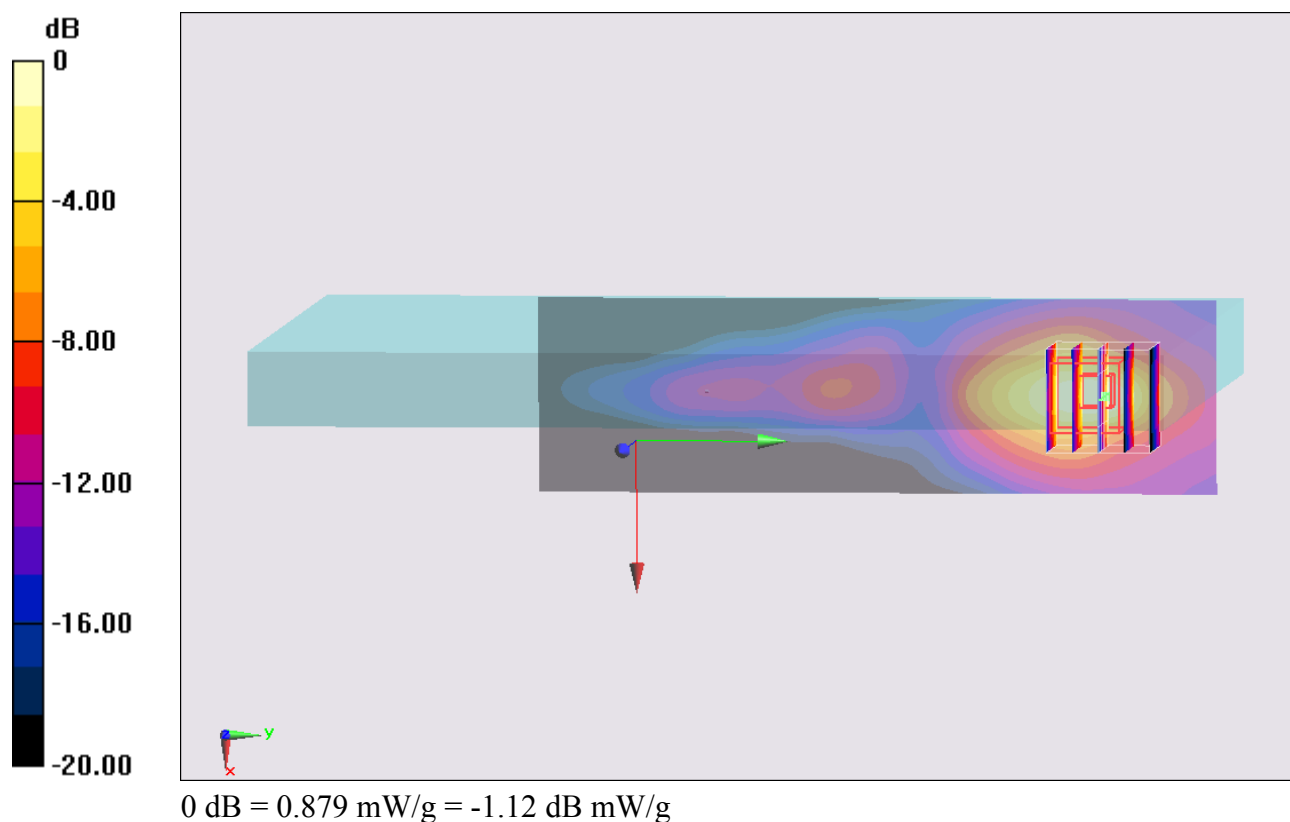
Configuration/Ch1175/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 25.889 V/m; Power Drift = 0.08 dB

Peak SAR (extrapolated) = 1.401 mW/g

SAR(1 g) = 0.673 mW/g; SAR(10 g) = 0.317 mW/g

Maximum value of SAR (measured) = 0.879 mW/g



#65_CDMA2000 BC1_RTAP 153.6_Edge 4_0cm_Ch600**DUT: 2N2103-01**

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

Medium: MSL_1900_121218 Medium parameters used: $f = 1880$ MHz; $\sigma = 1.505$ mho/m; $\epsilon_r = 53.327$; ρ

$= 1000$ kg/m³

Ambient Temperature : 22.6 °C ; Liquid Temperature : 21.6 °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 v5.0 Left; Type: QDOVA002AA; Serial: TP:1131
- Measurement SW: DASY52, Version 52.8 (3); SEMCAD X Version 14.6.5 (6469)

Configuration/Ch600/Area Scan (41x121x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 1.27 mW/g

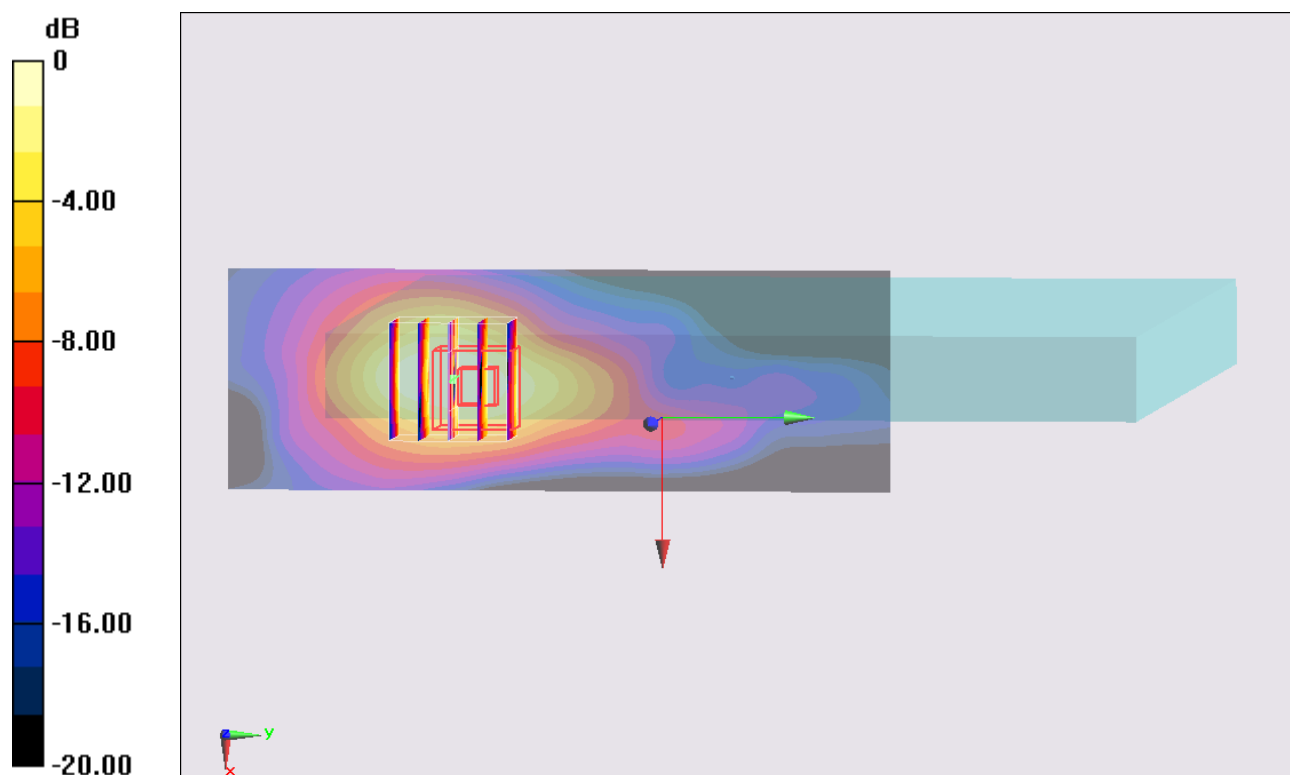
Configuration/Ch600/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 31.704 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 1.435 mW/g

SAR(1 g) = 0.988 mW/g; SAR(10 g) = 0.498 mW/g

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



0 dB = 1.27 mW/g = 2.08 dB mW/g

#66_CDMA2000 BC1_RTAP 153.6_Edge 4_0cm_Ch25**DUT: 2N2103-01**

Communication System: CDMA ; Frequency: 1851.25 MHz;Duty Cycle: 1:1

Medium: MSL_1900_121218 Medium parameters used: $f = 1851.25$ MHz; $\sigma = 1.482$ mho/m; $\epsilon_r =$

53.433 ; $\rho = 1000$ kg/m³

Ambient Temperature : 22.6 °C ; Liquid Temperature : 21.6 °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 v5.0 Left; Type: QDOVA002AA; Serial: TP:1131
- Measurement SW: DASY52, Version 52.8 (3); SEMCAD X Version 14.6.5 (6469)

Configuration/Ch25/Area Scan (41x121x1): Measurement grid: $dx=15$ mm, $dy=15$ mm
Maximum value of SAR (interpolated) = 1.14 mW/g

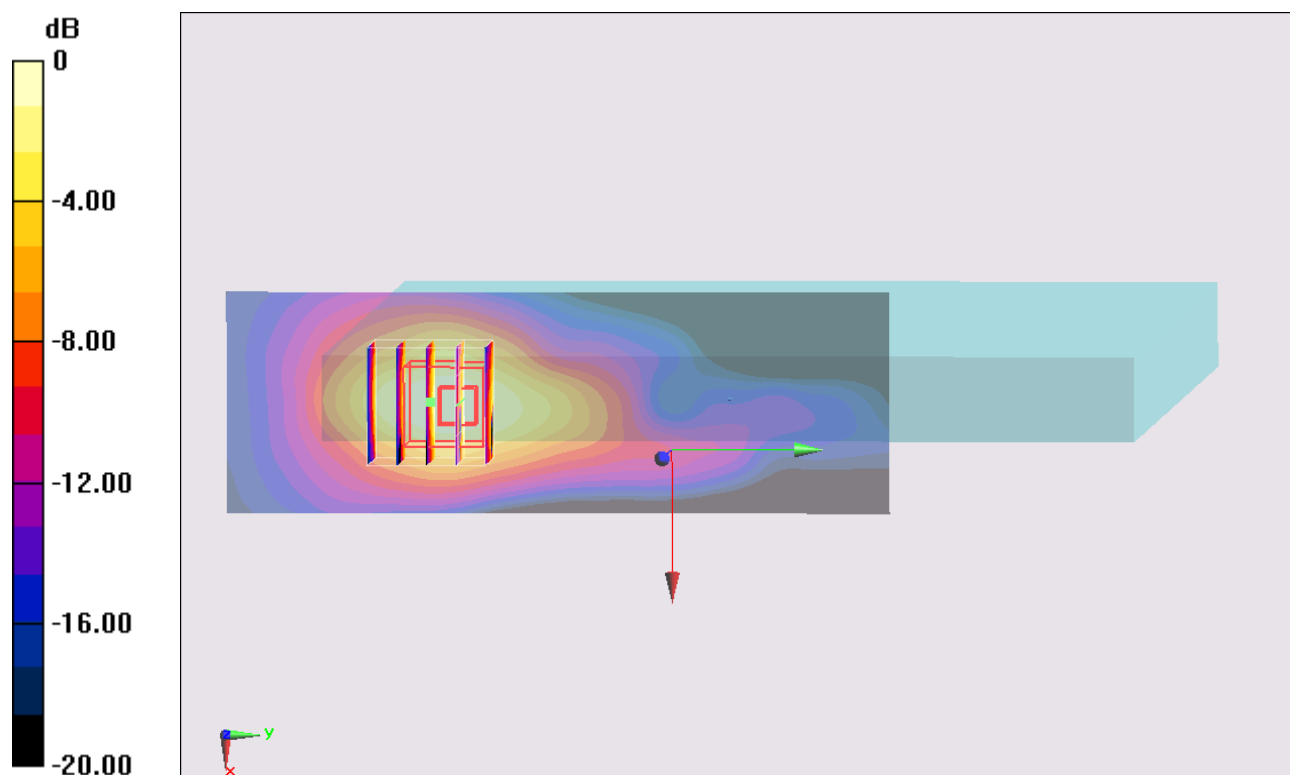
Configuration/Ch25/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 30.011 V/m; Power Drift = -0.15 dB

Peak SAR (extrapolated) = 2.389 mW/g

SAR(1 g) = 1.07 mW/g; SAR(10 g) = 0.572 mW/g

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



0 dB = 1.19 mW/g = 1.51 dB mW/g

#67_CDMA2000 BC1_RTAP 153.6_Edge 4_0cm_Ch1175**DUT: 2N2103-01**

Communication System: CDMA ; Frequency: 1908.75 MHz; Duty Cycle: 1:1

Medium: MSL_1900_121218 Medium parameters used: $f = 1909$ MHz; $\sigma = 1.53$ mho/m; $\epsilon_r = 53.173$; $\rho =$

1000 kg/m^3

Ambient Temperature : 22.6°C ; Liquid Temperature : 21.6°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 v5.0 Left; Type: QDOVA002AA; Serial: TP:1131
- Measurement SW: DASY52, Version 52.8 (3); SEMCAD X Version 14.6.5 (6469)

Configuration/Ch1175/Area Scan (41x121x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$
Maximum value of SAR (interpolated) = 1.26 mW/g

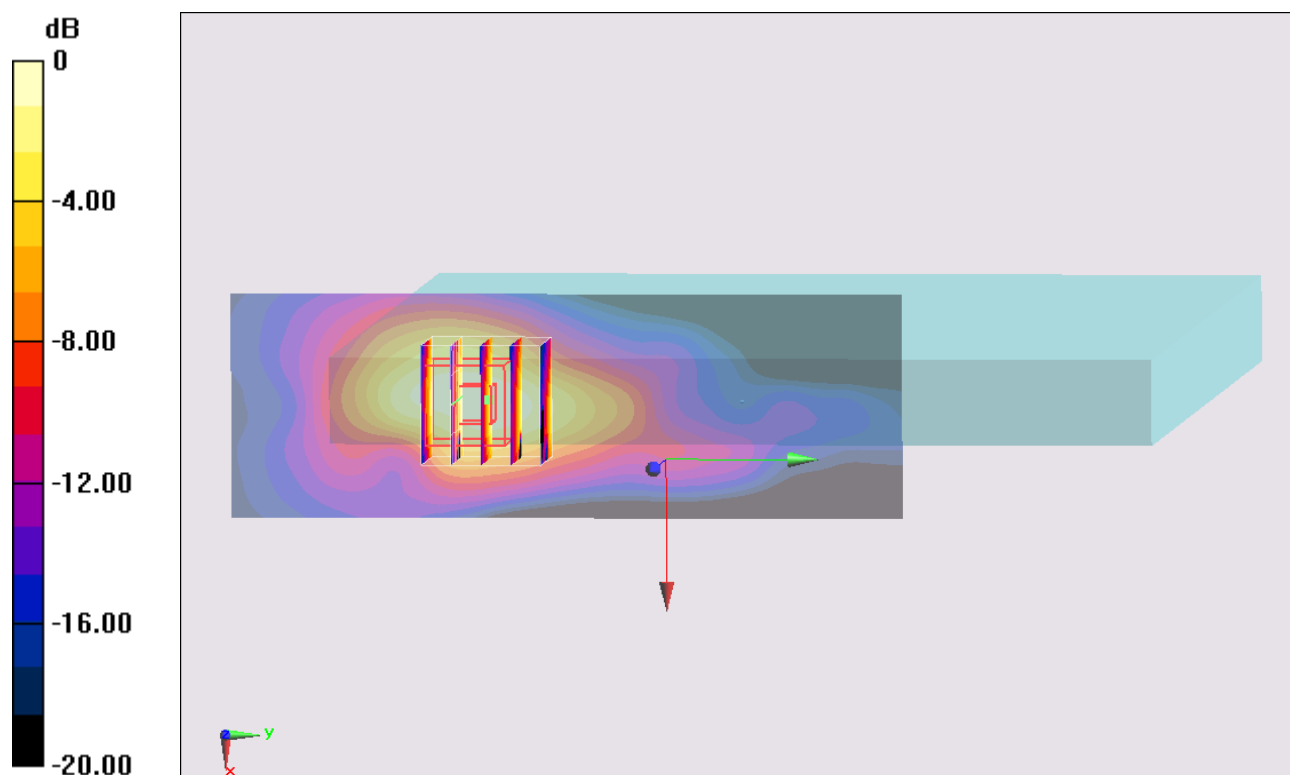
Configuration/Ch1175/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 32.373 V/m ; Power Drift = -0.06 dB

Peak SAR (extrapolated) = 1.687 mW/g

SAR(1 g) = 1.13 mW/g ; SAR(10 g) = 0.621 mW/g

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



0 dB = 1.24 mW/g = 1.87 dB mW/g

#67_CDMA2000 BC1_RTAP 153.6_Edge 4_0cm_Ch1175_2D**DUT: 2N2103-01**

Communication System: CDMA ; Frequency: 1908.75 MHz; Duty Cycle: 1:1

Medium: MSL_1900_121218 Medium parameters used: $f = 1909$ MHz; $\sigma = 1.53$ mho/m; $\epsilon_r = 53.173$; $\rho =$

1000 kg/m³

Ambient Temperature : 22.6 °C ; Liquid Temperature : 21.6 °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 v5.0 Left; Type: QDOVA002AA; Serial: TP:1131
- Measurement SW: DASY52, Version 52.8 (3); SEMCAD X Version 14.6.5 (6469)

Configuration/Ch1175/Area Scan (41x121x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 1.26 mW/g

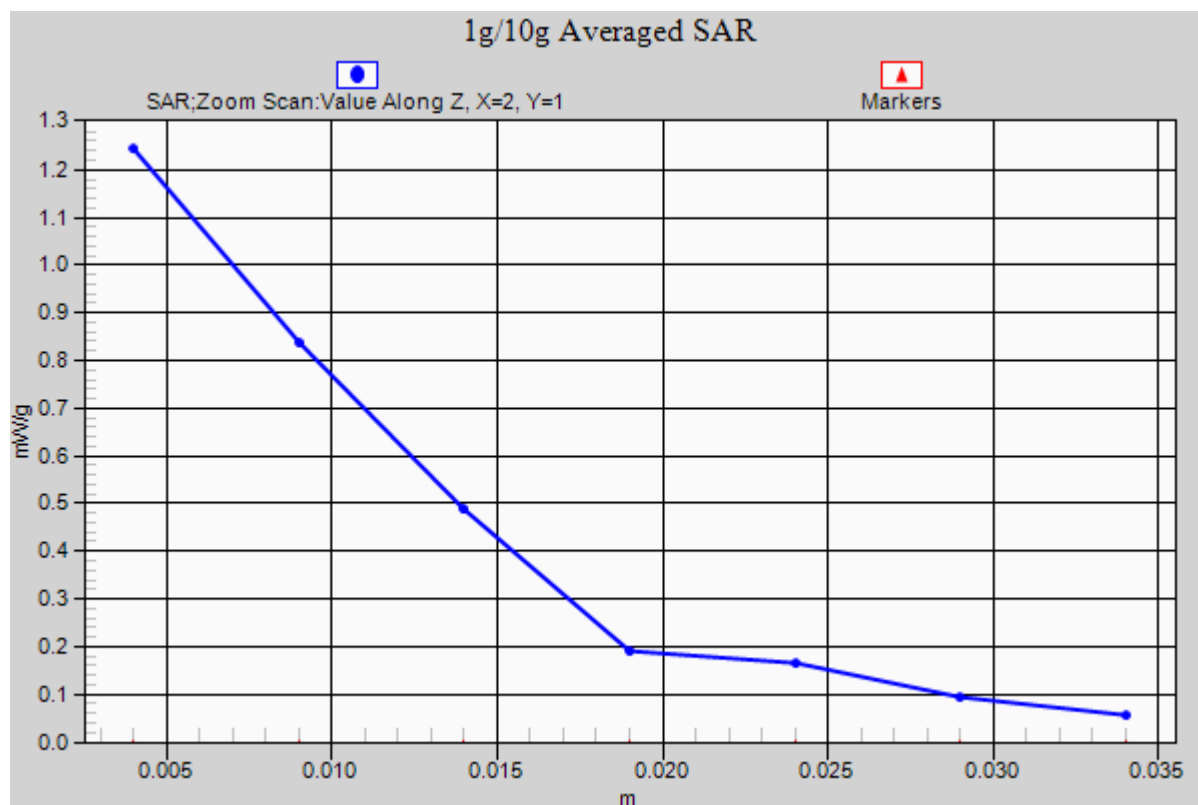
Configuration/Ch1175/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 32.373 V/m; Power Drift = -0.06 dB

Peak SAR (extrapolated) = 1.687 mW/g

SAR(1 g) = 1.13 mW/g; SAR(10 g) = 0.621 mW/g

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



#68_CDMA2000 BC1_RTAP 153.6_Edge 4_0cm_Ch1175_Repeat**DUT: 2N2103-01**

Communication System: CDMA ; Frequency: 1908.75 MHz; Duty Cycle: 1:1

Medium: MSL_1900_121218 Medium parameters used: $f = 1909$ MHz; $\sigma = 1.53$ mho/m; $\epsilon_r = 53.173$; $\rho =$

1000 kg/m³

Ambient Temperature : 22.6 °C ; Liquid Temperature : 21.6 °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 v5.0 Left; Type: QDOVA002AA; Serial: TP:1131
- Measurement SW: DASY52, Version 52.8 (3); SEMCAD X Version 14.6.5 (6469)

Configuration/Ch1175/Area Scan (41x121x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 1.28 mW/g

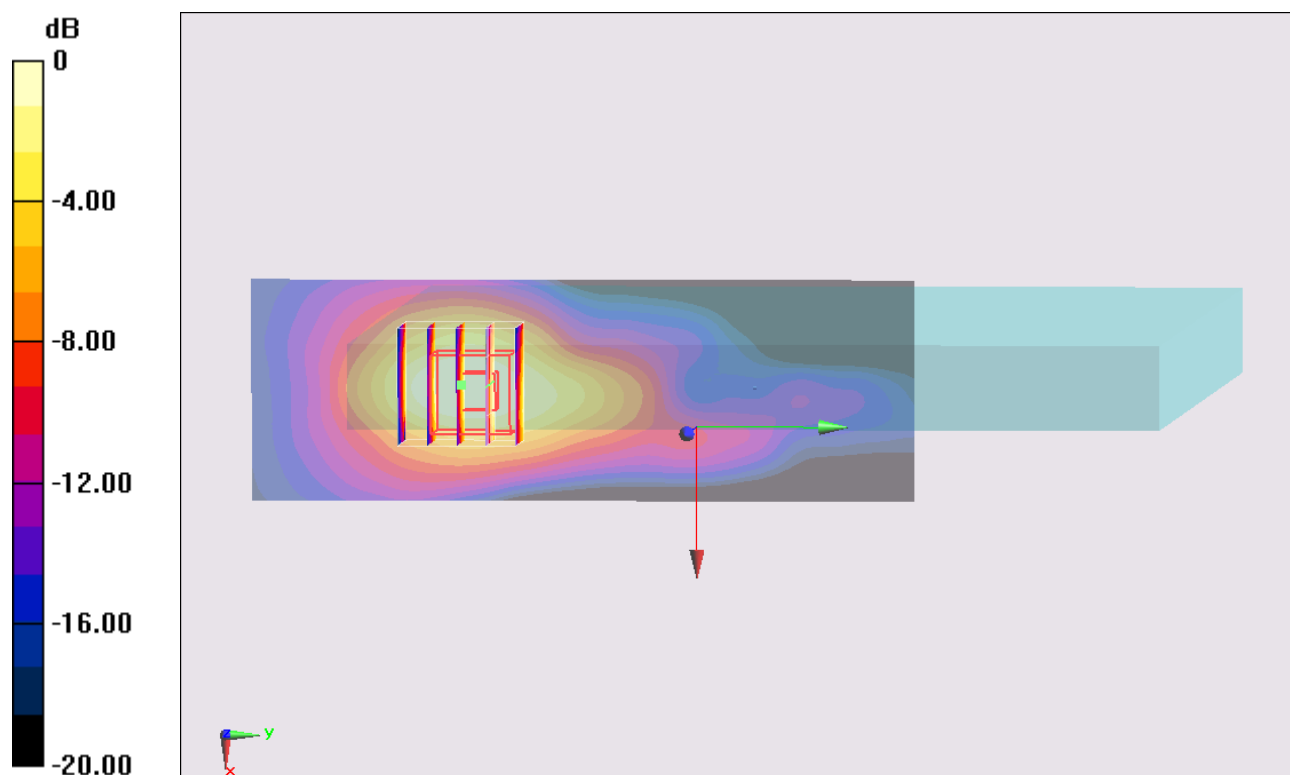
Configuration/Ch1175/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 30.929 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 1.663 mW/g

SAR(1 g) = 1.11 mW/g; SAR(10 g) = 0.624 mW/g

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



0 dB = 1.19 mW/g = 1.51 dB mW/g

#69_CDMA2000 BC1_RTAP 153.6_Bottom_0cm_Ch600**DUT: 2N2103-01**

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

Medium: MSL_1900_121218 Medium parameters used: $f = 1880$ MHz; $\sigma = 1.505$ mho/m; $\epsilon_r = 53.327$; ρ

$= 1000$ kg/m³

Ambient Temperature : 22.6 °C ; Liquid Temperature : 21.6 °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 v5.0 Left; Type: QDOVA002AA; Serial: TP:1131
- Measurement SW: DASY52, Version 52.8 (3); SEMCAD X Version 14.6.5 (6469)

Configuration/Ch600/Area Scan (81x101x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.684 mW/g

Configuration/Ch600/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 22.449 V/m; Power Drift = -0.130 dB

Peak SAR (extrapolated) = 1.046 mW/g

SAR(1 g) = 0.607 mW/g; SAR(10 g) = 0.370 mW/g

Maximum value of SAR (measured) = 0.665 mW/g

