



Appendix B. Plots of SAR Measurement

The plots are shown as follows.

#01_CDMA BC0_RTAP 153.6Kbps_Bottom Face_0cm_Ch384

DUT: 322149

Communication System: CDMA ; Frequency: 836.52 MHz; Duty Cycle: 1:1

Medium: MSL_850_130306 Medium parameters used: $f = 837$ MHz; $\sigma = 0.956$ mho/m; $\epsilon_r = 52.727$; $\rho =$

1000 kg/m³

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

DASY5 Configuration:

- Probe: ES3DV3 - SN3270; ConvF(6.16, 6.16, 6.16); Calibrated: 2012/9/28;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn778; Calibrated: 2012/8/27
- Phantom: ELI 4.0_Front; Type: QDOVA001BB; Serial: 1026
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6477)

Configuration/Ch384/Area Scan (61x111x1): Measurement grid: dx=15mm, dy=15mm
 Maximum value of SAR (interpolated) = 0.572 mW/g

Configuration/Ch384/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 25.068 V/m; Power Drift = -0.13 dB

Peak SAR (extrapolated) = 1.039 mW/g

SAR(1 g) = 0.513 mW/g; SAR(10 g) = 0.362 mW/g

Maximum value of SAR (measured) = 0.565 mW/g

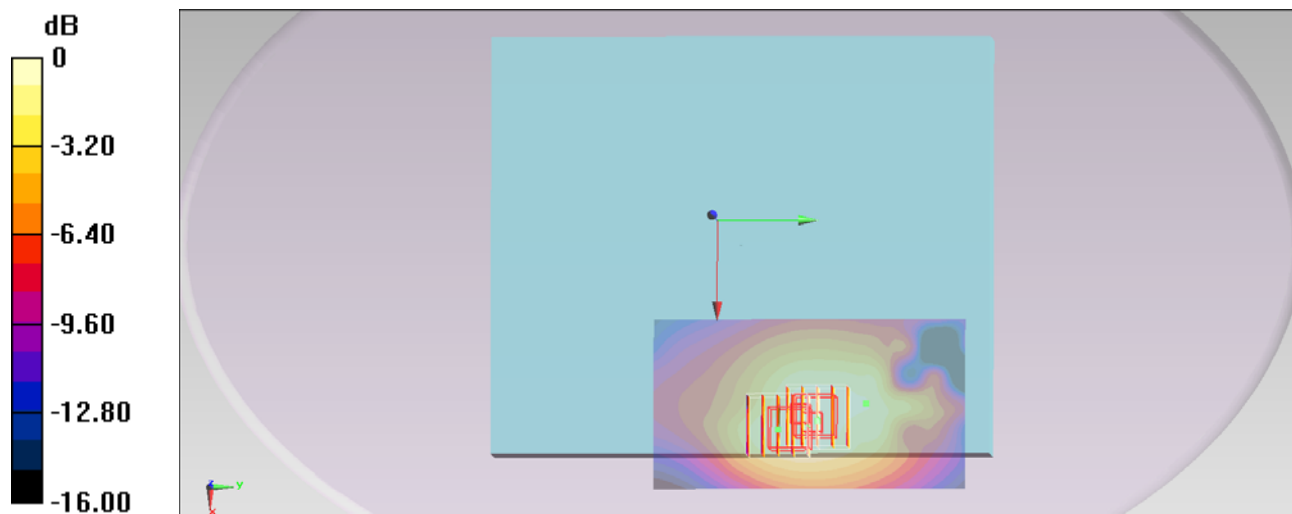
Configuration/Ch384/Zoom Scan (5x5x7)/Cube 1: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 25.068 V/m; Power Drift = -0.13 dB

Peak SAR (extrapolated) = 1.115 mW/g

SAR(1 g) = 0.483 mW/g; SAR(10 g) = 0.305 mW/g

Maximum value of SAR (measured) = 0.556 mW/g



0 dB = 0.556 mW/g = -5.10 dB mW/g

#02_CDMA BC0_RTAP 153.6Kbps_Edge 1_0cm_Ch384

DUT: 322149

Communication System: CDMA ; Frequency: 836.52 MHz;Duty Cycle: 1:1

Medium: MSL_850_130306 Medium parameters used: $f = 837$ MHz; $\sigma = 0.956$ mho/m; $\epsilon_r = 52.727$; $\rho =$

1000 kg/m³

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

DASY5 Configuration:

- Probe: ES3DV3 - SN3270; ConvF(6.16, 6.16, 6.16); Calibrated: 2012/9/28;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn778; Calibrated: 2012/8/27
- Phantom: ELI 4.0_Front; Type: QDOVA001BB; Serial: 1026
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6477)

Configuration/Ch384/Area Scan (51x111x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.711 mW/g

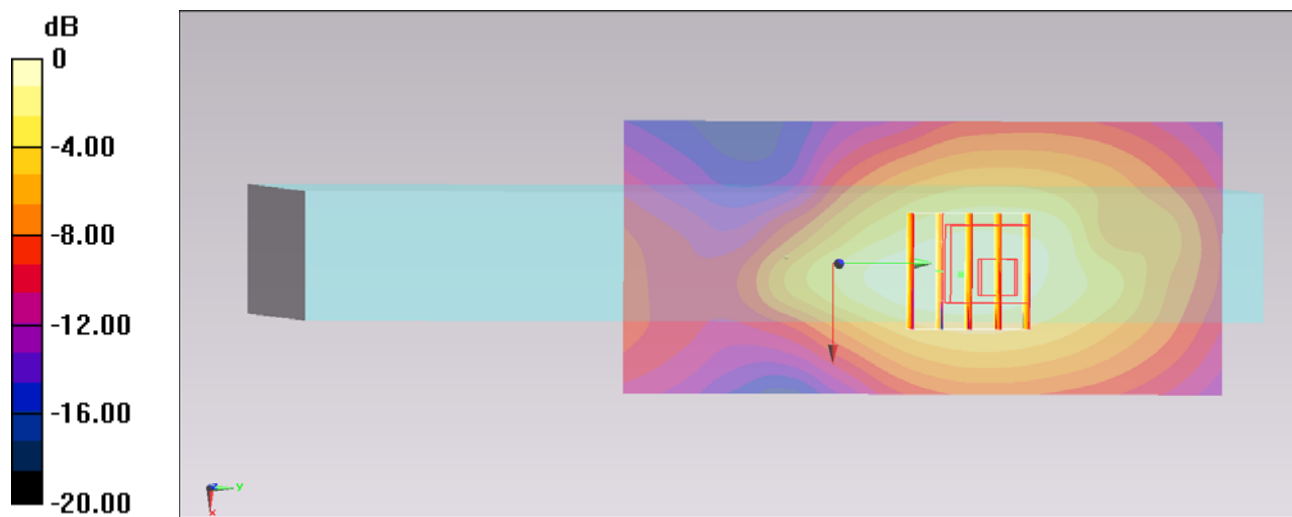
Configuration/Ch384/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 27.779 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 0.920 mW/g

SAR(1 g) = 0.612 mW/g; SAR(10 g) = 0.390 mW/g

Maximum value of SAR (measured) = 0.683 mW/g



0 dB = 0.683 mW/g = -3.31 dB mW/g

#03_CDMA BC0_RTAP 153.6Kbps_Edge 2_0cm_Ch384

DUT: 322149

Communication System: CDMA ; Frequency: 836.52 MHz;Duty Cycle: 1:1

Medium: MSL_850_130306 Medium parameters used: $f = 837$ MHz; $\sigma = 0.956$ mho/m; $\epsilon_r = 52.727$; $\rho =$

1000 kg/m³

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

DASY5 Configuration:

- Probe: ES3DV3 - SN3270; ConvF(6.16, 6.16, 6.16); Calibrated: 2012/9/28;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn778; Calibrated: 2012/8/27
- Phantom: ELI 4.0_Front; Type: QDOVA001BB; Serial: 1026
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6477)

Configuration/Ch384/Area Scan (51x161x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.102 mW/g

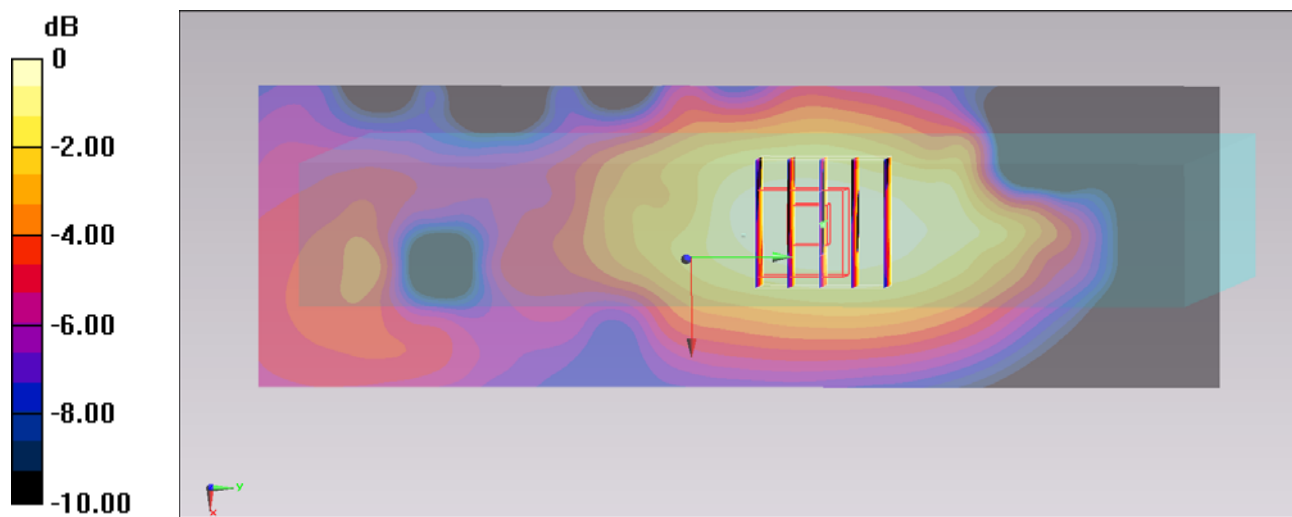
Configuration/Ch384/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 8.424 V/m; Power Drift = -0.12 dB

Peak SAR (extrapolated) = 0.206 mW/g

SAR(1 g) = 0.091 mW/g; SAR(10 g) = 0.060 mW/g

Maximum value of SAR (measured) = 0.0999 mW/g



0 dB = 0.0999 mW/g = -20.01 dB mW/g

#04_CDMA BC1_RTAP 153.6Kbps_Bottom Face_0cm_Ch25

DUT: 322149

Communication System: CDMA ; Frequency: 1851.25 MHz; Duty Cycle: 1:1

Medium: MSL_1900_130306 Medium parameters used : $f = 1851.25$ MHz; $\sigma = 1.451$ mho/m; $\epsilon_r =$

53.857 ; $\rho = 1000$ kg/m³

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

DASY5 Configuration:

- Probe: ES3DV3 - SN3270; ConvF(4.67, 4.67, 4.67); Calibrated: 2012/9/28;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn778; Calibrated: 2012/8/27
- Phantom: ELI 4.0_Front; Type: QDOVA001BB; Serial: 1026
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6477)

Configuration/Ch25/Area Scan (61x111x1): Measurement grid: dx=15mm, dy=15mm
 Maximum value of SAR (interpolated) = 0.360 mW/g

Configuration/Ch25/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 11.256 V/m; Power Drift = 0.16 dB

Peak SAR (extrapolated) = 0.601 mW/g

SAR(1 g) = 0.322 mW/g; SAR(10 g) = 0.203 mW/g

Maximum value of SAR (measured) = 0.377 mW/g

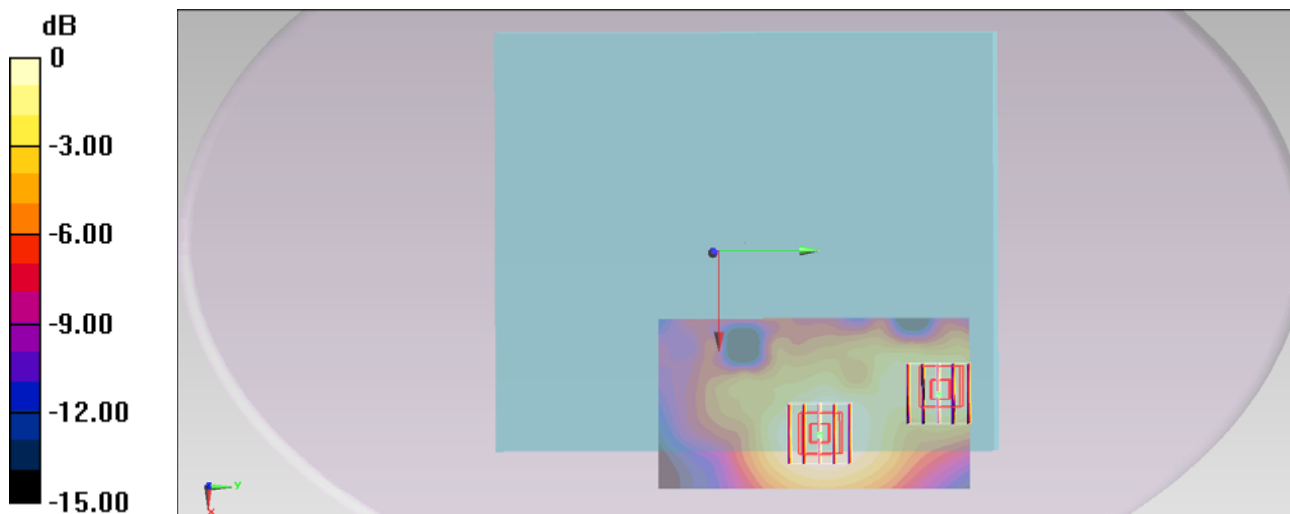
Configuration/Ch25/Zoom Scan (5x5x7)/Cube 1: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 11.256 V/m; Power Drift = 0.16 dB

Peak SAR (extrapolated) = 0.319 mW/g

SAR(1 g) = 0.239 mW/g; SAR(10 g) = 0.138 mW/g

Maximum value of SAR (measured) = 0.299 mW/g



0 dB = 0.299 mW/g = -10.49 dB mW/g

#05_CDMA BC1_RTAP 153.6Kbps_Edge 1_0cm_Ch25

DUT: 322149

Communication System: CDMA ; Frequency: 1851.25 MHz;Duty Cycle: 1:1

Medium: MSL_1900_130306 Medium parameters used : $f = 1851.25$ MHz; $\sigma = 1.451$ mho/m; $\epsilon_r =$

53.857 ; $\rho = 1000$ kg/m³

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

DASY5 Configuration:

- Probe: ES3DV3 - SN3270; ConvF(4.67, 4.67, 4.67); Calibrated: 2012/9/28;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn778; Calibrated: 2012/8/27
- Phantom: ELI 4.0_Front; Type: QDOVA001BB; Serial: 1026
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6477)

Configuration/Ch25/Area Scan (51x111x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 1.56 mW/g

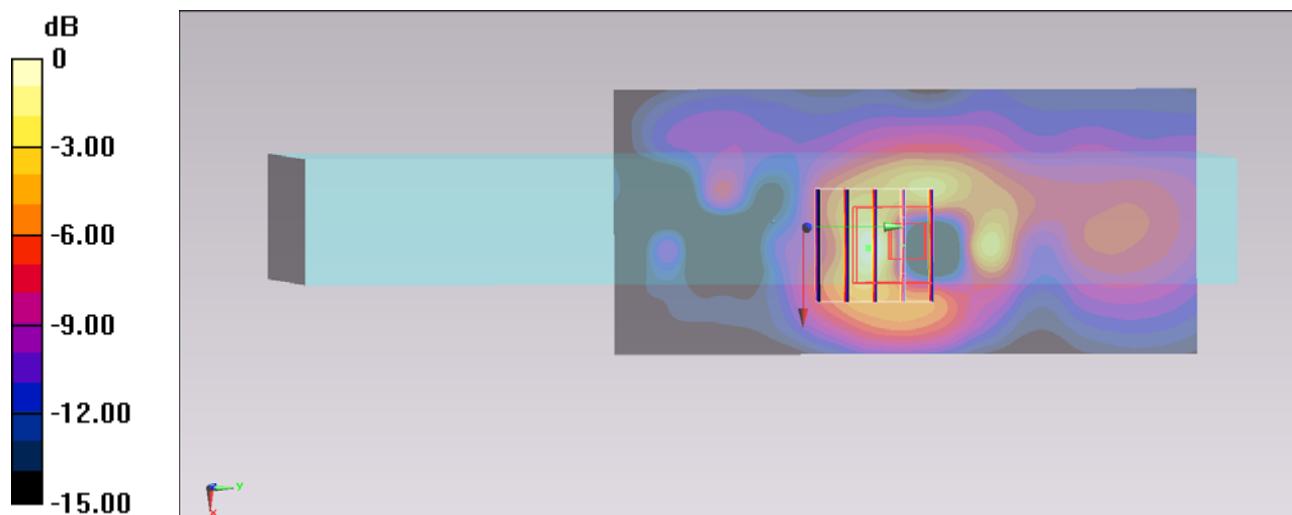
Configuration/Ch25/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 30.332 V/m; Power Drift = -0.13 dB

Peak SAR (extrapolated) = 2.167 mW/g

SAR(1 g) = 1.23 mW/g; SAR(10 g) = 0.699 mW/g

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



0 dB = 1.50 mW/g = 3.52 dB mW/g

#09_CDMA BC1_RTAP 153.6Kbps_Edge 1_0cm_Ch25_Repeat

DUT: 322149

Communication System: CDMA ; Frequency: 1851.25 MHz;Duty Cycle: 1:1

Medium: MSL_1900_130306 Medium parameters used: $f = 1851.25$ MHz; $\sigma = 1.451$ mho/m; $\epsilon_r =$

53.857 ; $\rho = 1000$ kg/m³

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

DASY5 Configuration:

- Probe: ES3DV3 - SN3270; ConvF(4.67, 4.67, 4.67); Calibrated: 2012/9/28;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn778; Calibrated: 2012/8/27
- Phantom: ELI 4.0_Front; Type: QDOVA001BB; Serial: 1026
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6477)

Configuration/Ch25/Area Scan (51x111x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 1.96 mW/g

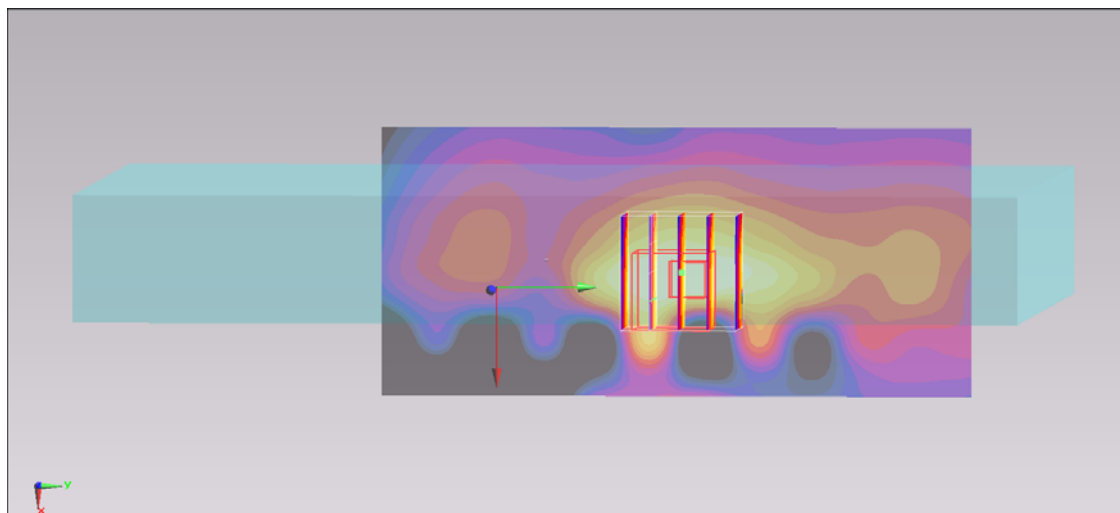
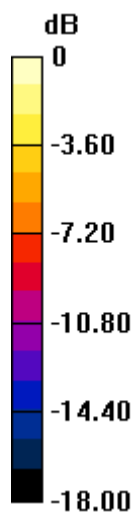
Configuration/Ch25/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 31.942 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 2.192 mW/g

SAR(1 g) = 1.18 mW/g; SAR(10 g) = 0.709 mW/g

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



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

#06_CDMA BC1_RTAP 153.6Kbps_Edge 1_0cm_Ch600

DUT: 322149

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

Medium: MSL_1900_130306 Medium parameters used: $f = 1880$ MHz; $\sigma = 1.482$ mho/m; $\epsilon_r = 53.736$; ρ

$= 1000$ kg/m³

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

DASY5 Configuration:

- Probe: ES3DV3 - SN3270; ConvF(4.67, 4.67, 4.67); Calibrated: 2012/9/28;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn778; Calibrated: 2012/8/27
- Phantom: ELI 4.0_Front; Type: QDOVA001BB; Serial: 1026
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6477)

Configuration/Ch600/Area Scan (51x111x1): Measurement grid: dx=15mm, dy=15mm
 Maximum value of SAR (interpolated) = 1.22 mW/g

Configuration/Ch600/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 29.828 V/m; Power Drift = -0.13 dB

Peak SAR (extrapolated) = 3.493 mW/g

SAR(1 g) = 1.03 mW/g; SAR(10 g) = 0.507 mW/g

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

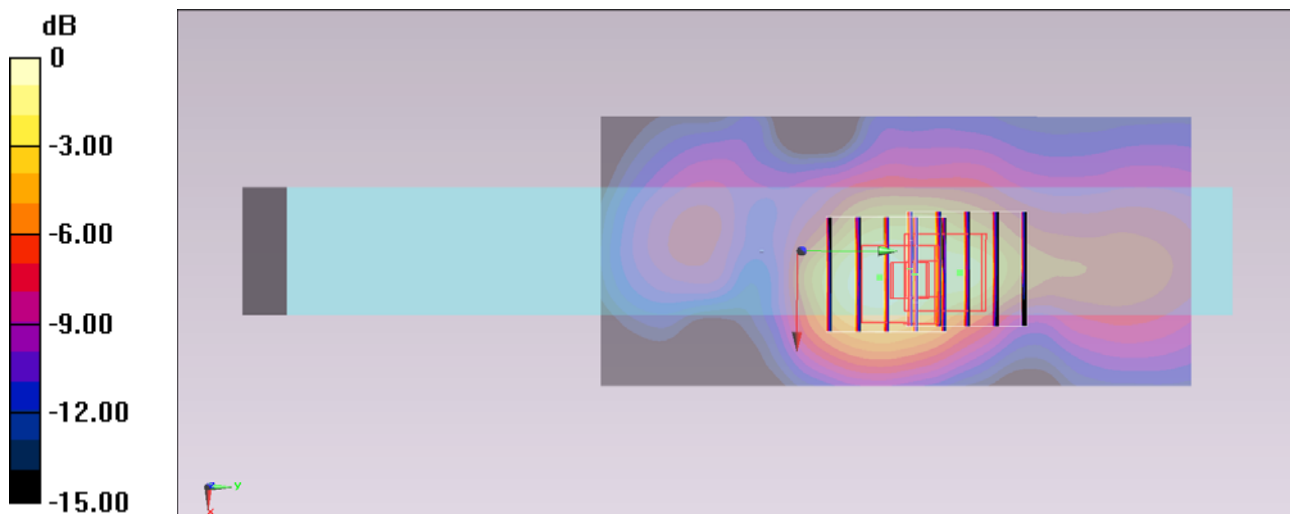
Configuration/Ch600/Zoom Scan (5x5x7)/Cube 1: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 29.828 V/m; Power Drift = -0.13 dB

Peak SAR (extrapolated) = 2.089 mW/g

SAR(1 g) = 0.959 mW/g; SAR(10 g) = 0.554 mW/g

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



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

#07_CDMA BC1_RTAP 153.6Kbps_Edge 1_0cm_Ch1175

DUT: 322149

Communication System: CDMA ; Frequency: 1908.75 MHz;Duty Cycle: 1:1

Medium: MSL_1900_130306 Medium parameters used: $f = 1909$ MHz; $\sigma = 1.516$ mho/m; $\epsilon_r = 53.683$; ρ

$= 1000$ kg/m³

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

DASY5 Configuration:

- Probe: ES3DV3 - SN3270; ConvF(4.67, 4.67, 4.67); Calibrated: 2012/9/28;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn778; Calibrated: 2012/8/27
- Phantom: ELI 4.0_Front; Type: QDOVA001BB; Serial: 1026
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6477)

Configuration/Ch1175/Area Scan (51x11x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 1.09 mW/g

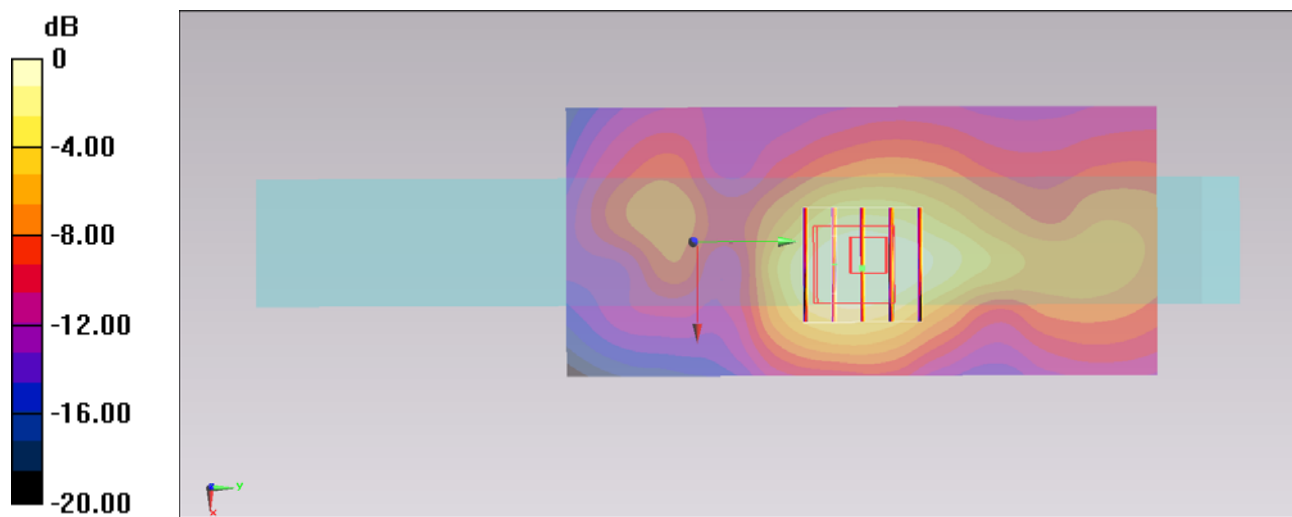
Configuration/Ch1175/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 27.232 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 2.115 mW/g

SAR(1 g) = 0.741 mW/g; SAR(10 g) = 0.438 mW/g

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



0 dB = 0.991 mW/g = -0.08 dB mW/g

#08_CDMA BC1_RTAP 153.6Kbps_Edge 2_0cm_Ch25

DUT: 322149

Communication System: CDMA ; Frequency: 1851.25 MHz;Duty Cycle: 1:1

Medium: MSL_1900_130306 Medium parameters used : $f = 1851.25$ MHz; $\sigma = 1.451$ mho/m; $\epsilon_r =$

53.857 ; $\rho = 1000$ kg/m³

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

DASY5 Configuration:

- Probe: ES3DV3 - SN3270; ConvF(4.67, 4.67, 4.67); Calibrated: 2012/9/28;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn778; Calibrated: 2012/8/27
- Phantom: ELI 4.0_Front; Type: QDOVA001BB; Serial: 1026
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6477)

Configuration/Ch25/Area Scan (51x161x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.188 mW/g

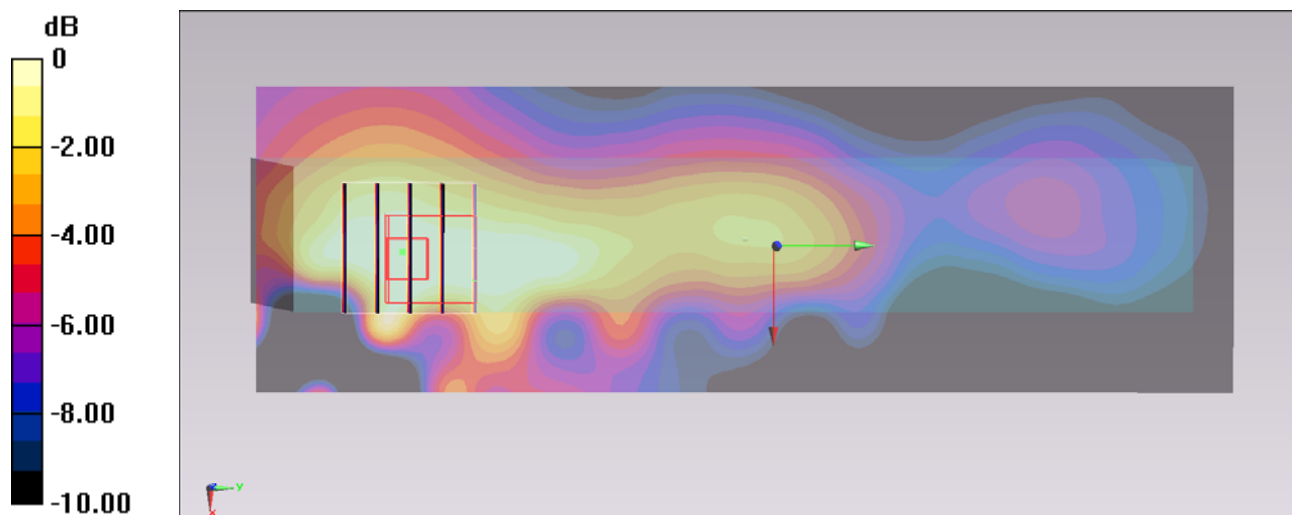
Configuration/Ch25/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 10.636 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 0.244 mW/g

SAR(1 g) = 0.133 mW/g; SAR(10 g) = 0.086 mW/g

Maximum value of SAR (measured) = 0.155 mW/g



0 dB = 0.155 mW/g = -16.19 dB mW/g