



Specific Absorption Rate (SAR) Test Report

for

Mitac Technology Corp

on the

WLAN Module

Report Number : FA8N2104
Trade Name : Getac
Model Name : WiFi Link 5300
FCC ID : MAU035
Date of Testing : Dec. 09, 2008 ~
Dec. 14, 2008
Date of Report : Jan. 14, 2009
Date of Review : Jan. 14, 2009

- The test results refer exclusively to the tested model/sample only.
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- Report Version: Rev. 02

SPORTON INTERNATIONAL INC.

No. 52, Hwa Ya 1st Rd., Hwa Ya Technology Park, Kwei-Shan Hsiang, Tao Yuan Hsien, Taiwan, R.O.C.

Appendix B - SAR Measurement Data

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab

Date: 2008/12/9

Body 802.11b Ch6 Top Side with 0cm Gap ANT.A

DUT: 8N2104

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

Medium: MSL_2450 Medium parameters used: f = 2437 MHz; $\sigma = 1.97$ mho/m; $\epsilon_r = 51.2$; $\rho = 1000$ kg/m³

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

DASY4 Configuration:

- Probe: ET3DV6 - SN1787; ConvF(3.79, 3.79, 3.79); Calibrated: 2008/8/26
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn577; Calibrated: 2008/11/12
- Phantom: ELI 4.0_Front; Type: QDOVA001BB; Serial: 1026
- Measurement SW: DASY4, V4.7 Build 71; Postprocessing SW: SEMCAD, V1.8 Build 184

Ch6/Area Scan (71x221x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.003 mW/g

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

Reference Value = 0.226 V/m; Power Drift = -0.199 dB

Peak SAR (extrapolated) = 0.005 W/kg

SAR(1 g) = 0.000756 mW/g; SAR(10 g) = 0.000194 mW/g

Maximum value of SAR (measured) = 0.005 mW/g

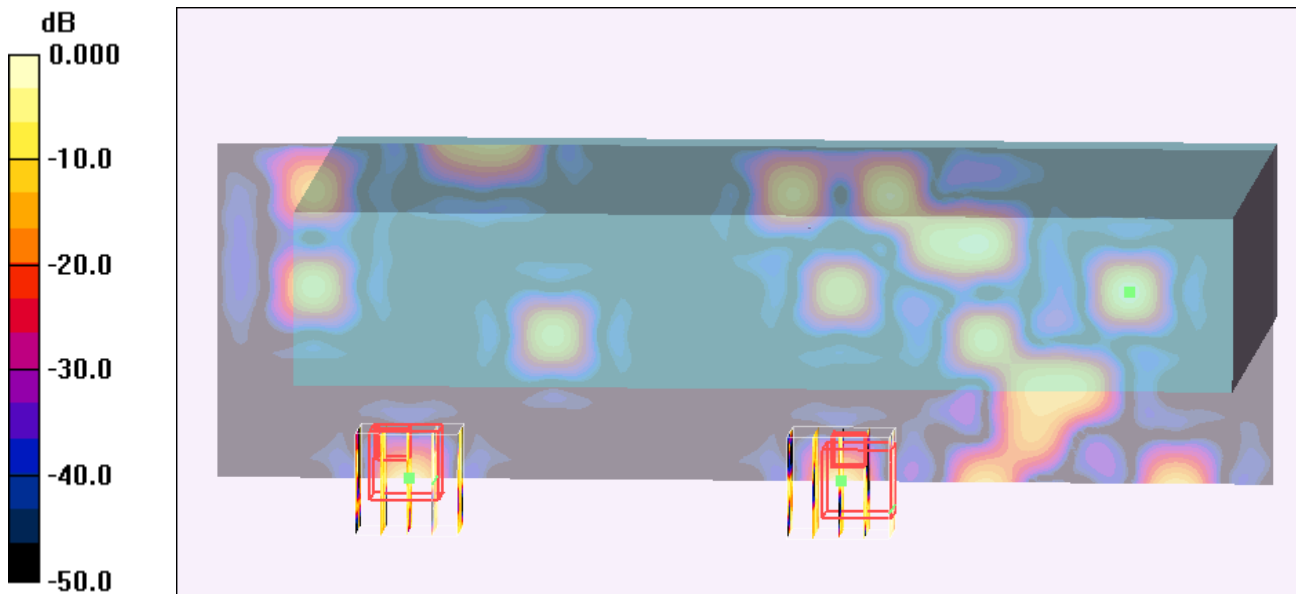
Ch6/Zoom Scan (5x5x7)/Cube 1: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 0.226 V/m; Power Drift = -0.199 dB

Peak SAR (extrapolated) = 0.006 W/kg

SAR(1 g) = 0.000475 mW/g; SAR(10 g) = 0.000166 mW/g

Maximum value of SAR (measured) = 0.006 mW/g



0 dB = 0.006mW/g

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab

Date: 2008/12/9

Body 802.11b Ch6 Top Side with 0cm Gap ANT.B

DUT: 8N2104

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

Medium: MSL_2450 Medium parameters used: $f = 2437 \text{ MHz}$; $\sigma = 1.97 \text{ mho/m}$; $\epsilon_r = 51.2$; $\rho = 1000 \text{ kg/m}^3$

Ambient Temperature : 22.8 °C; Liquid Temperature : 21.7 °C

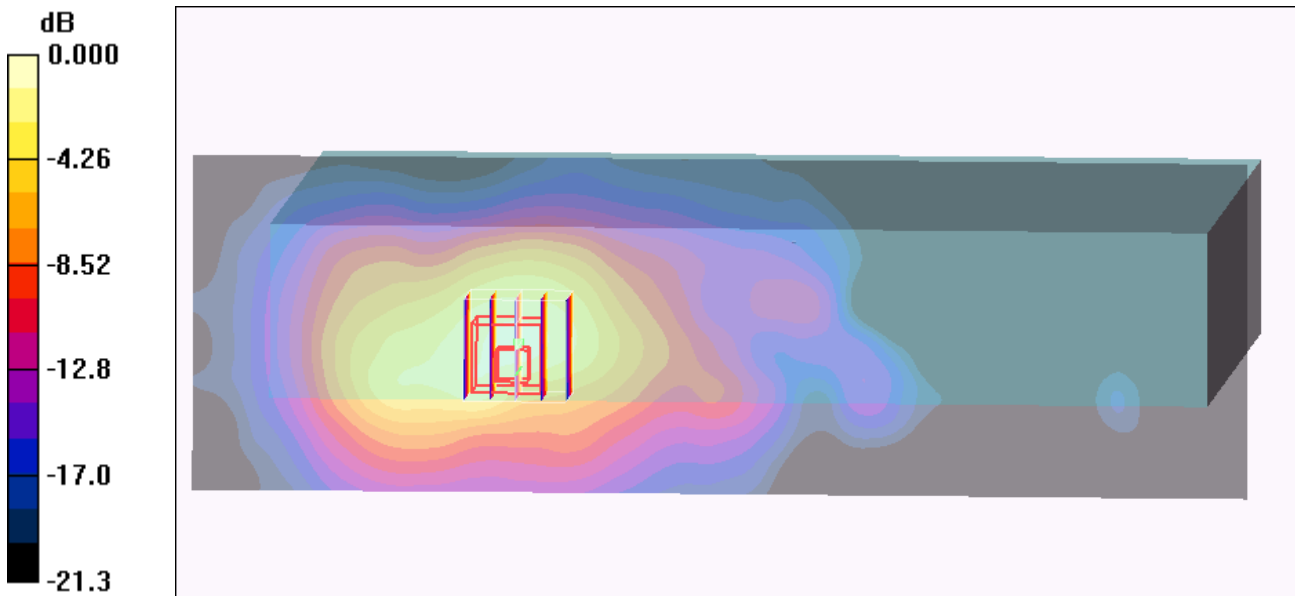
DASY4 Configuration:

- Probe: ET3DV6 - SN1787; ConvF(3.79, 3.79, 3.79); Calibrated: 2008/8/26
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn577; Calibrated: 2008/11/12
- Phantom: ELI 4.0_Front; Type: QDOVA001BB; Serial: 1026
- Measurement SW: DASY4, V4.7 Build 71; Postprocessing SW: SEMCAD, V1.8 Build 184

Ch6/Area Scan (71x221x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.236 mW/g

Ch6/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 1.90 V/m; Power Drift = -0.040 dB
Peak SAR (extrapolated) = 0.619 W/kg

SAR(1 g) = 0.247 mW/g; SAR(10 g) = 0.123 mW/g
Maximum value of SAR (measured) = 0.277 mW/g



0 dB = 0.277mW/g

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab

Date: 2008/12/9

Body 802.11b Ch6 Left Side with 0cm Gap ANT.C

DUT: 8N2104

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

Medium: MSL_2450 Medium parameters used: f = 2437 MHz; σ = 1.97 mho/m; ϵ_r = 51.2; ρ = 1000 kg/m³

Ambient Temperature : 22.4 °C; Liquid Temperature : 21.7 °C

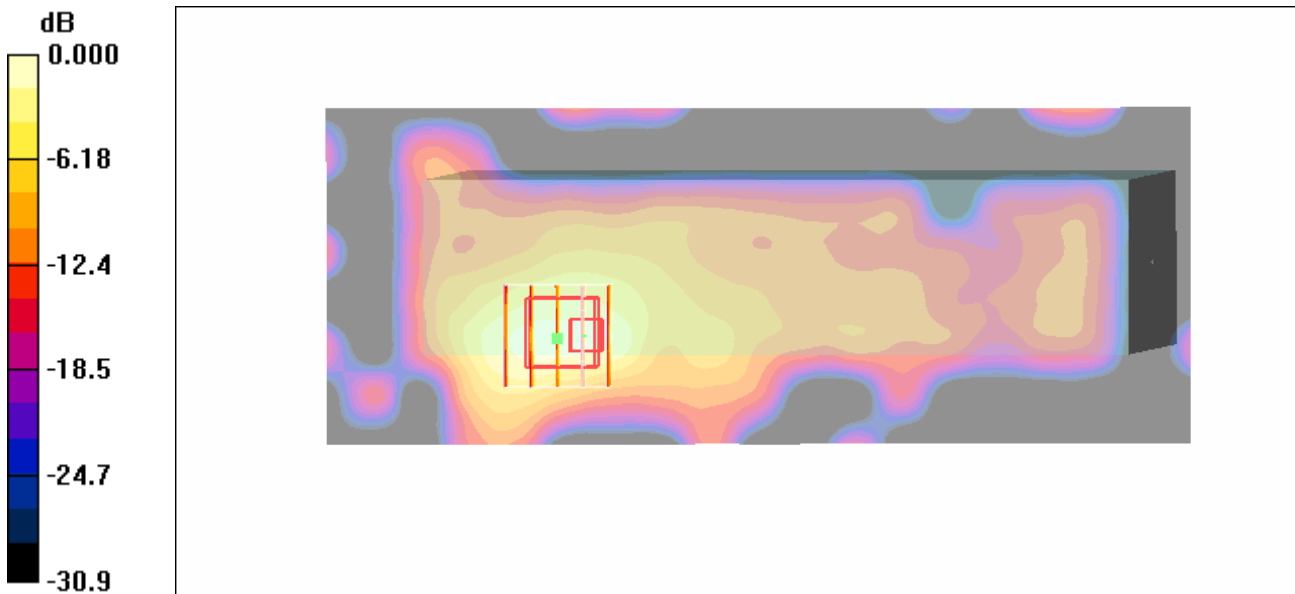
DASY4 Configuration:

- Probe: ET3DV6 - SN1787; ConvF(3.79, 3.79, 3.79); Calibrated: 2008/8/26
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn577; Calibrated: 2008/11/12
- Phantom: ELI 4.0_Front; Type: QDOVA001BB; Serial: 1026
- Measurement SW: DASY4, V4.7 Build 71; Postprocessing SW: SEMCAD, V1.8 Build 184

Ch6/Area Scan (71x181x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.041 mW/g

Ch6/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 1.47 V/m; Power Drift = -0.116 dB
Peak SAR (extrapolated) = 0.093 W/kg

SAR(1 g) = 0.039 mW/g; SAR(10 g) = 0.018 mW/g
Maximum value of SAR (measured) = 0.049 mW/g



0 dB = 0.049mW/g

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab

Date: 2008/12/9

Body 802.11b Ch1 Top Side with 0cm Gap ANT.B

DUT: 8N2104

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

Medium: MSL_2450 Medium parameters used: f = 2412 MHz; $\sigma = 1.95$ mho/m; $\epsilon_r = 51.3$; $\rho = 1000$ kg/m³

Ambient Temperature : 22.8 °C; Liquid Temperature : 21.7 °C

DASY4 Configuration:

- Probe: ET3DV6 - SN1787; ConvF(3.79, 3.79, 3.79); Calibrated: 2008/8/26
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn577; Calibrated: 2008/11/12
- Phantom: ELI 4.0_Front; Type: QDOVA001BB; Serial: 1026
- Measurement SW: DASY4, V4.7 Build 71; Postprocessing SW: SEMCAD, V1.8 Build 184

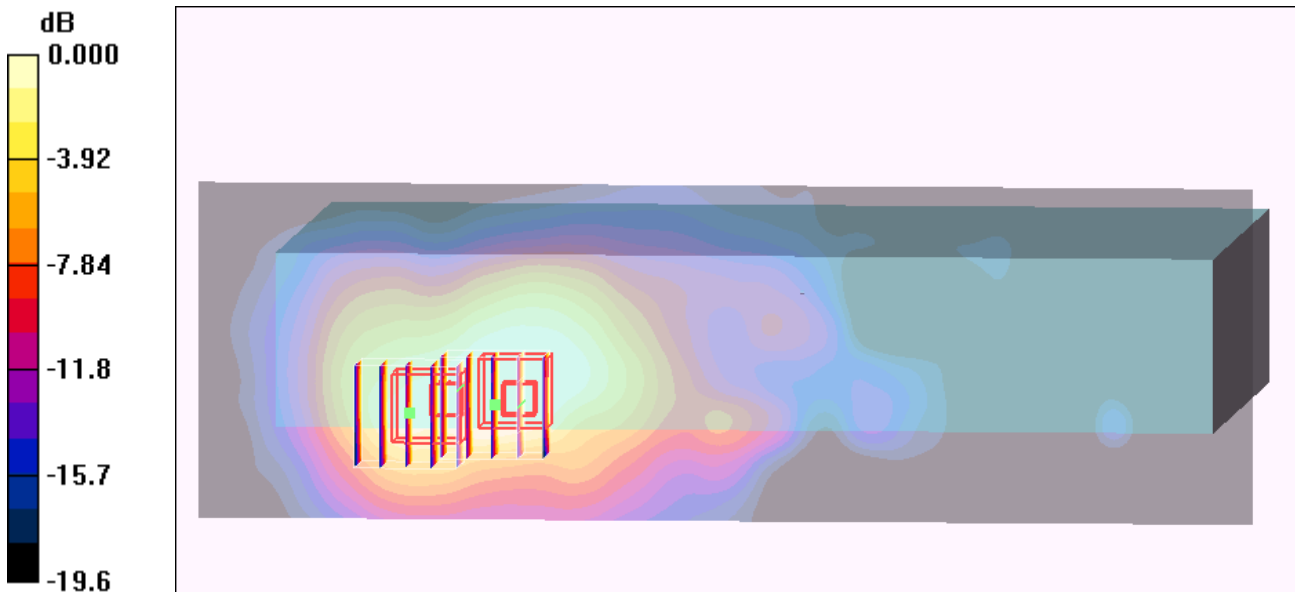
Ch1/Area Scan (71x221x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.307 mW/g

Ch1/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 2.94 V/m; Power Drift = -0.136 dB
Peak SAR (extrapolated) = 0.814 W/kg

SAR(1 g) = 0.326 mW/g; SAR(10 g) = 0.161 mW/g
Maximum value of SAR (measured) = 0.372 mW/g

Ch1/Zoom Scan (5x5x7)/Cube 1: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 2.94 V/m; Power Drift = -0.136 dB
Peak SAR (extrapolated) = 0.446 W/kg

SAR(1 g) = 0.190 mW/g; SAR(10 g) = 0.107 mW/g
Maximum value of SAR (measured) = 0.218 mW/g



0 dB = 0.218mW/g

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab

Date: 2008/12/9

Body 802.11b Ch11 Top Side with 0cm Gap ANT.B

DUT: 8N2104

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

Medium: MSL_2450 Medium parameters used: $f = 2462 \text{ MHz}$; $\sigma = 2.01 \text{ mho/m}$; $\epsilon_r = 51.1$; $\rho = 1000 \text{ kg/m}^3$

Ambient Temperature : 22.9 °C; Liquid Temperature : 21.7 °C

DASY4 Configuration:

- Probe: ET3DV6 - SN1787; ConvF(3.79, 3.79, 3.79); Calibrated: 2008/8/26
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn577; Calibrated: 2008/11/12
- Phantom: ELI 4.0_Front; Type: QDOVA001BB; Serial: 1026
- Measurement SW: DASY4, V4.7 Build 71; Postprocessing SW: SEMCAD, V1.8 Build 184

Ch11/Area Scan (71x221x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.252 mW/g

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

Reference Value = 1.80 V/m; Power Drift = 0.186 dB

Peak SAR (extrapolated) = 0.671 W/kg

SAR(1 g) = 0.264 mW/g; SAR(10 g) = 0.128 mW/g

Maximum value of SAR (measured) = 0.280 mW/g

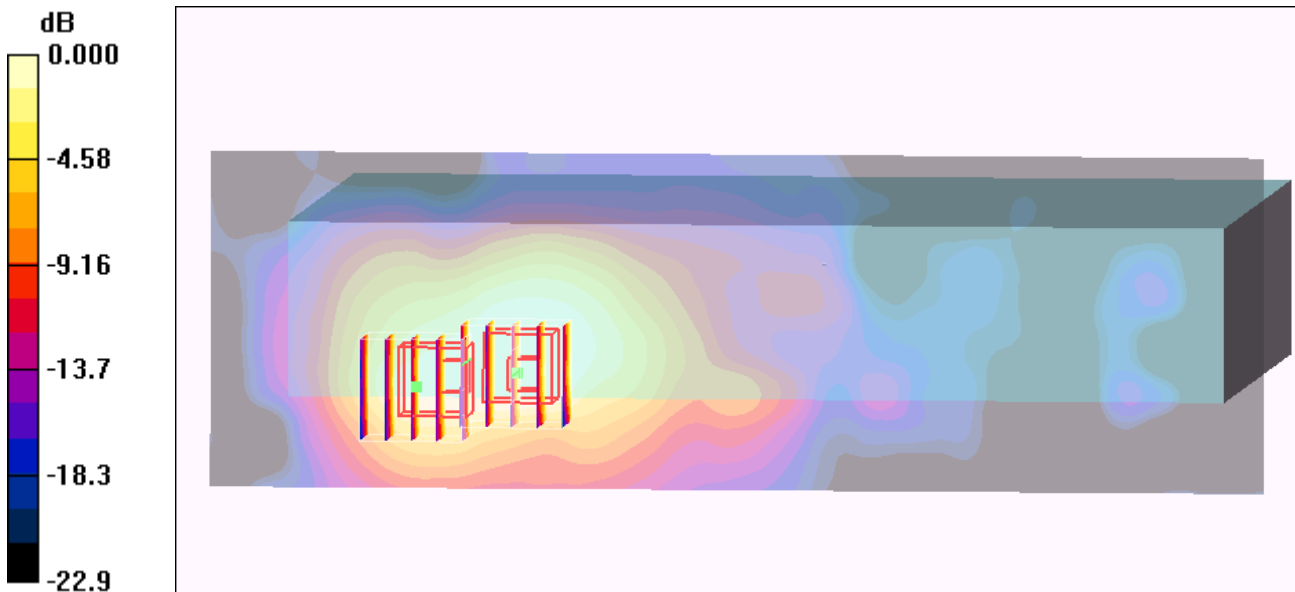
Ch11/Zoom Scan (5x5x7)/Cube 1: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 1.80 V/m; Power Drift = 0.186 dB

Peak SAR (extrapolated) = 0.348 W/kg

SAR(1 g) = 0.153 mW/g; SAR(10 g) = 0.085 mW/g

Maximum value of SAR (measured) = 0.170 mW/g



0 dB = 0.170mW/g

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab

Date: 2008/12/10

Body 802.11b Ch1 NB Bottom with 0cm Gap ANT.C

DUT: 8N2104

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

Medium: MSL_2450 Medium parameters used: f = 2412 MHz; $\sigma = 1.95$ mho/m; $\epsilon_r = 51.3$; $\rho = 1000$ kg/m³

Ambient Temperature : 22.8 °C; Liquid Temperature : 21.7 °C

DASY4 Configuration:

- Probe: ET3DV6 - SN1787; ConvF(3.79, 3.79, 3.79); Calibrated: 2008/8/26
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn577; Calibrated: 2008/11/12
- Phantom: ELI 4.0_Front; Type: QDOVA001BB; Serial: 1026
- Measurement SW: DASY4, V4.7 Build 71; Postprocessing SW: SEMCAD, V1.8 Build 184

Ch1/Area Scan (181x221x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.005 mW/g

Ch1/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 0.393 V/m; Power Drift = 0.140 dB

Peak SAR (extrapolated) = 0.006 W/kg

SAR(1 g) = 0.00266 mW/g; SAR(10 g) = 0.00129 mW/g

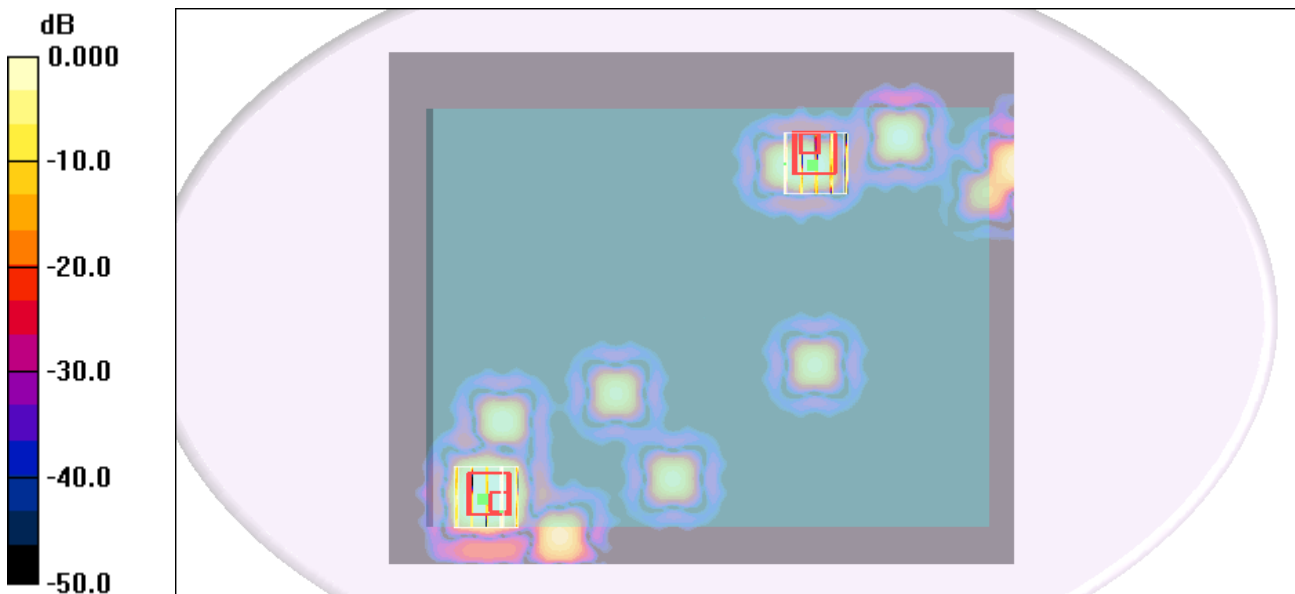
Maximum value of SAR (measured) = 0.005 mW/g

Ch1/Zoom Scan (5x5x7)/Cube 1: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 0.393 V/m; Power Drift = 0.140 dB

Peak SAR (extrapolated) = 0.003 W/kg

SAR(1 g) = 0.000156 mW/g; SAR(10 g) = 4.69e-005 mW/g

Maximum value of SAR (measured) = 0.004 mW/g



0 dB = 0.004mW/g

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab

Date: 2008/12/10

Body 802.11b Ch1 Bottom with 0cm Gap ANT A

DUT: 8N2104

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

Medium: MSL_2450 Medium parameters used: $f = 2412$ MHz; $\sigma = 1.95$ mho/m; $\epsilon_r = 51.3$; $\rho = 1000$ kg/m³

Ambient Temperature : 22.8 °C; Liquid Temperature : 21.7 °C

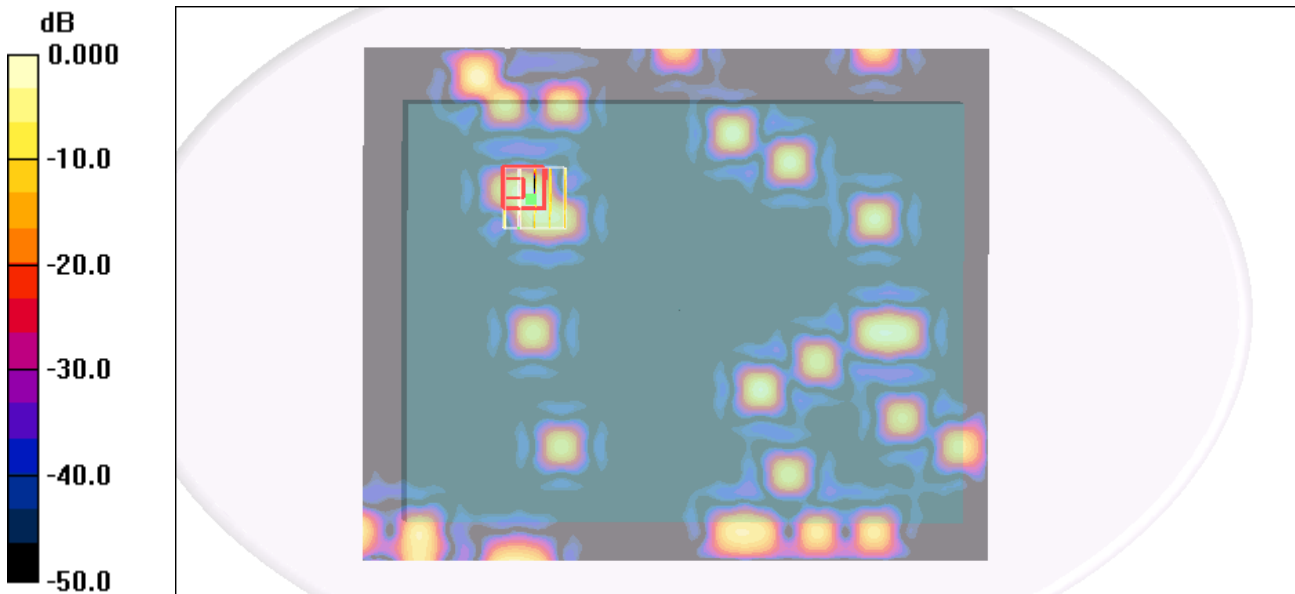
DASY4 Configuration:

- Probe: ET3DV6 - SN1787; ConvF(3.79, 3.79, 3.79); Calibrated: 2008/8/26
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn577; Calibrated: 2008/11/12
- Phantom: ELI 4.0_Front; Type: QDOVA001BB; Serial: 1026
- Measurement SW: DASY4, V4.7 Build 71; Postprocessing SW: SEMCAD, V1.8 Build 184

Ch1/Area Scan (181x221x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.006 mW/g

Ch1/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 0.477 V/m; Power Drift = -0.169 dB
Peak SAR (extrapolated) = 0.009 W/kg

SAR(1 g) = 0.000632 mW/g; SAR(10 g) = 0.000217 mW/g
Maximum value of SAR (measured) = 0.006 mW/g



0 dB = 0.006mW/g

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab

Date: 2008/12/10

Body 802.11b Ch1 Bottom with 0cm Gap ANT B

DUT: 8N2104

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

Medium: MSL_2450 Medium parameters used: $f = 2412$ MHz; $\sigma = 1.95$ mho/m; $\epsilon_r = 51.3$; $\rho = 1000$ kg/m³

Ambient Temperature : 22.8 °C; Liquid Temperature : 21.7 °C

DASY4 Configuration:

- Probe: ET3DV6 - SN1787; ConvF(3.79, 3.79, 3.79); Calibrated: 2008/8/26
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn577; Calibrated: 2008/11/12
- Phantom: ELI 4.0_Front; Type: QDOVA001BB; Serial: 1026
- Measurement SW: DASY4, V4.7 Build 71; Postprocessing SW: SEMCAD, V1.8 Build 184

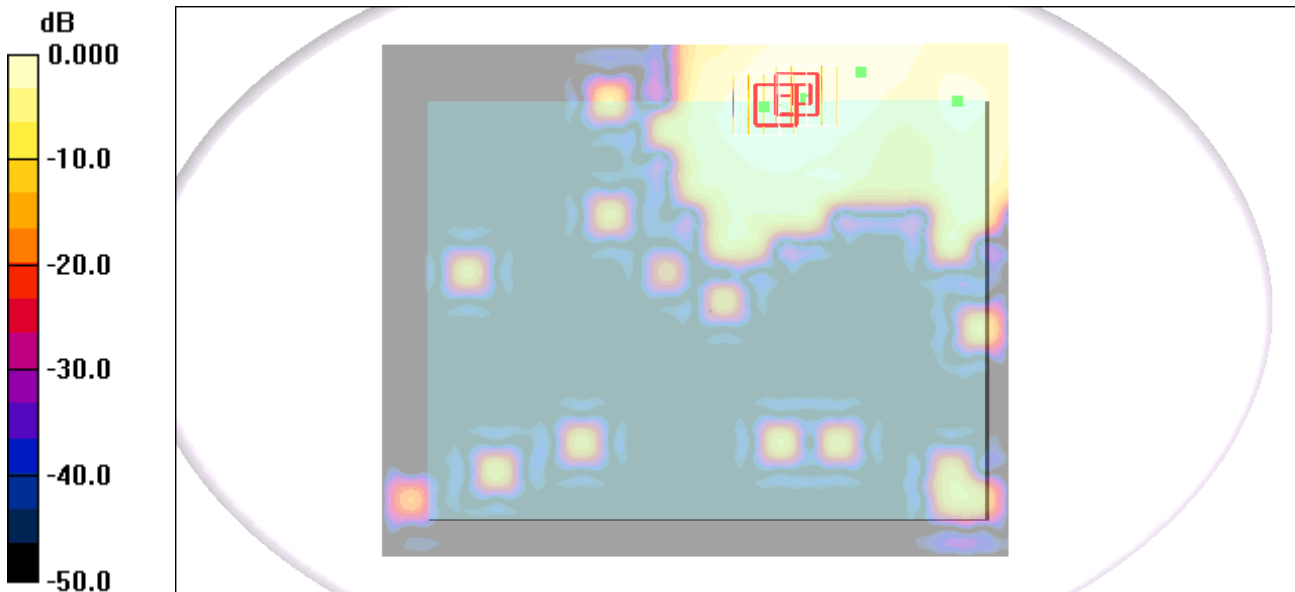
Ch1/Area Scan (181x221x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.019 mW/g

Ch1/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 0.348 V/m; Power Drift = 0.161 dB
Peak SAR (extrapolated) = 0.037 W/kg

SAR(1 g) = 0.017 mW/g; SAR(10 g) = 0.010 mW/g
Maximum value of SAR (measured) = 0.019 mW/g

Ch1/Zoom Scan (5x5x7)/Cube 1: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 0.348 V/m; Power Drift = 0.161 dB
Peak SAR (extrapolated) = 0.031 W/kg

SAR(1 g) = 0.016 mW/g; SAR(10 g) = 0.00964 mW/g
Maximum value of SAR (measured) = 0.018 mW/g



0 dB = 0.018mW/g

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab

Date: 2008/12/10

Body 802.11b Ch1 Bottom with 0cm Gap ANT C

DUT: 8N2104

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

Medium: MSL_2450 Medium parameters used: $f = 2412$ MHz; $\sigma = 1.95$ mho/m; $\epsilon_r = 51.3$; $\rho = 1000$ kg/m³

Ambient Temperature : 22.8 °C; Liquid Temperature : 21.7 °C

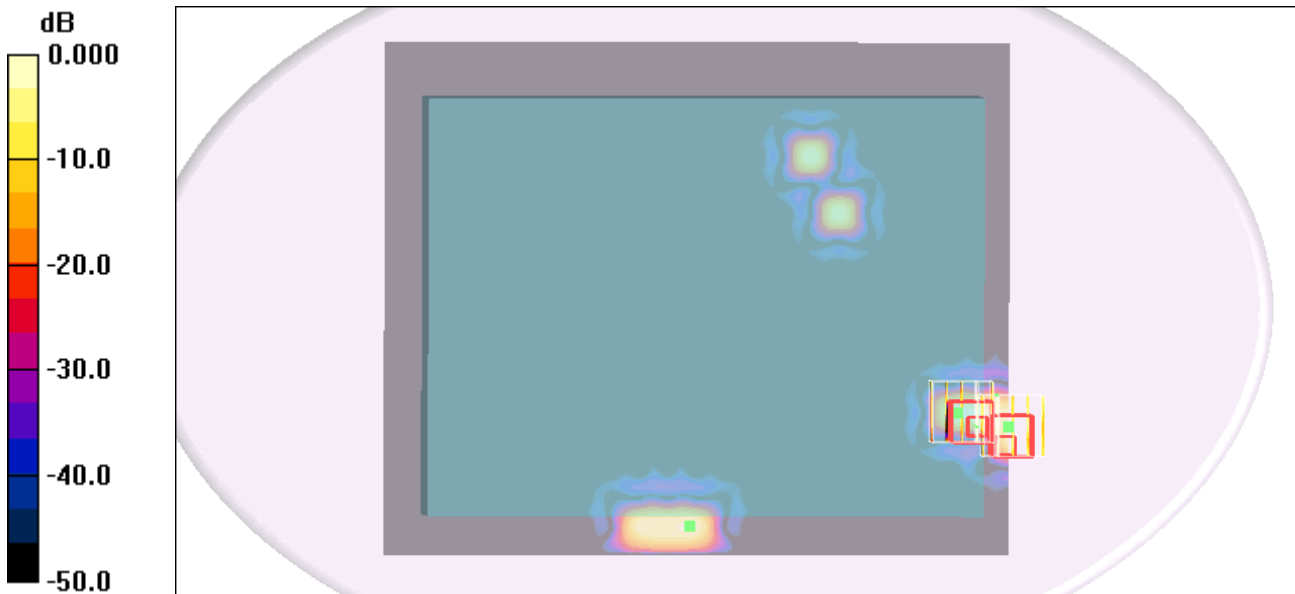
DASY4 Configuration:

- Probe: ET3DV6 - SN1787; ConvF(3.79, 3.79, 3.79); Calibrated: 2008/8/26
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn577; Calibrated: 2008/11/12
- Phantom: ELI 4.0_Front; Type: QDOVA001BB; Serial: 1026
- Measurement SW: DASY4, V4.7 Build 71; Postprocessing SW: SEMCAD, V1.8 Build 184

Ch1/Area Scan (181x221x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.004 mW/g

Ch1/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 0.212 V/m; Power Drift = 0.167 dB
Peak SAR (extrapolated) = 0.006 W/kg
SAR(1 g) = 0.00297 mW/g; SAR(10 g) = 0.000672 mW/g
Maximum value of SAR (measured) = 0.006 mW/g

Ch1/Zoom Scan (5x5x7)/Cube 1: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 0.212 V/m; Power Drift = 0.167 dB
Peak SAR (extrapolated) = 0.012 W/kg
SAR(1 g) = 0.00259 mW/g; SAR(10 g) = 0.000935 mW/g
Maximum value of SAR (measured) = 0.005 mW/g



0 dB = 0.005mW/g

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab

Date: 2008/12/9

Body 802.11b Ch1 Rear Side with 0cm Gap ANT.C

DUT: 8N2104

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

Medium: MSL_2450 Medium parameters used: $f = 2412$ MHz; $\sigma = 1.95$ mho/m; $\epsilon_r = 51.3$; $\rho = 1000$ kg/m³

Ambient Temperature : 22.9 °C; Liquid Temperature : 21.7 °C

DASY4 Configuration:

- Probe: ET3DV6 - SN1787; ConvF(3.79, 3.79, 3.79); Calibrated: 2008/8/26
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn577; Calibrated: 2008/11/12
- Phantom: ELI 4.0_Front; Type: QDOVA001BB; Serial: 1026
- Measurement SW: DASY4, V4.7 Build 71; Postprocessing SW: SEMCAD, V1.8 Build 184

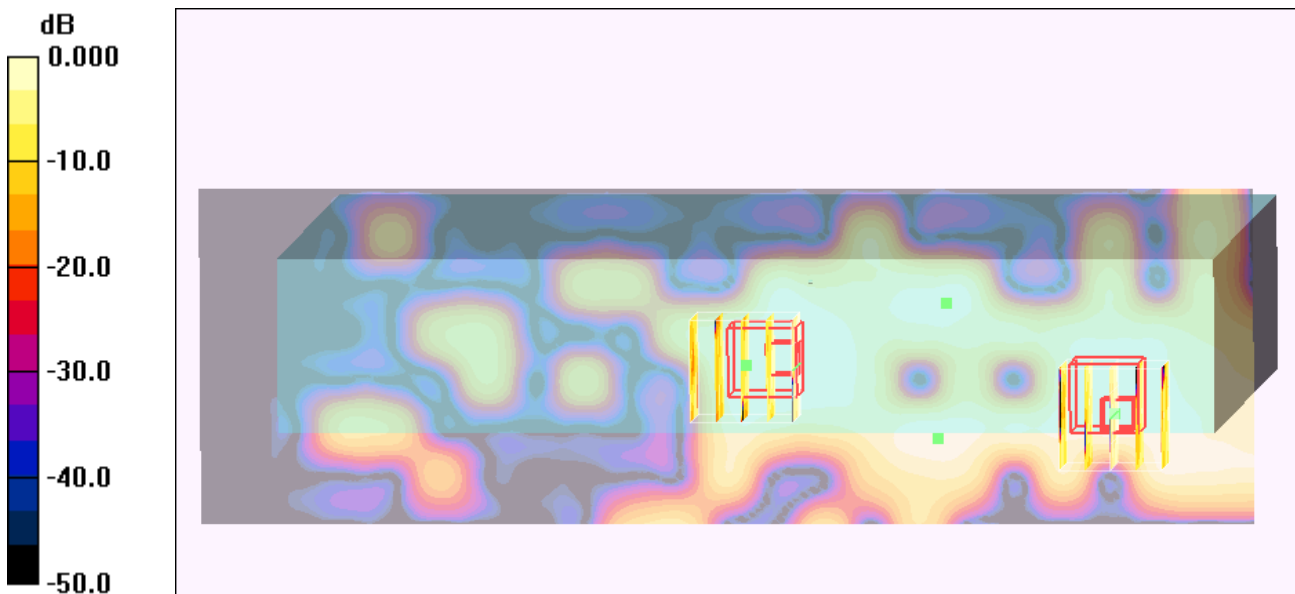
Ch1/Area Scan (71x221x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.013 mW/g

Ch1/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 1.97 V/m; Power Drift = -0.153 dB
Peak SAR (extrapolated) = 0.033 W/kg

SAR(1 g) = 0.011 mW/g; SAR(10 g) = 0.00445 mW/g
Maximum value of SAR (measured) = 0.012 mW/g

Ch1/Zoom Scan (5x5x7)/Cube 1: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 1.97 V/m; Power Drift = -0.153 dB
Peak SAR (extrapolated) = 0.014 W/kg

SAR(1 g) = 0.00713 mW/g; SAR(10 g) = 0.00365 mW/g
Maximum value of SAR (measured) = 0.009 mW/g



0 dB = 0.009mW/g

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab

Date: 2008/12/9

Body 802.11b Ch1 Right Side with 0cm Gap ANT.A

DUT: 8N2104

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

Medium: MSL_2450 Medium parameters used: f = 2412 MHz; $\sigma = 1.95$ mho/m; $\epsilon_r = 51.3$; $\rho = 1000$ kg/m³

Ambient Temperature : 22.9 °C; Liquid Temperature : 21.7 °C

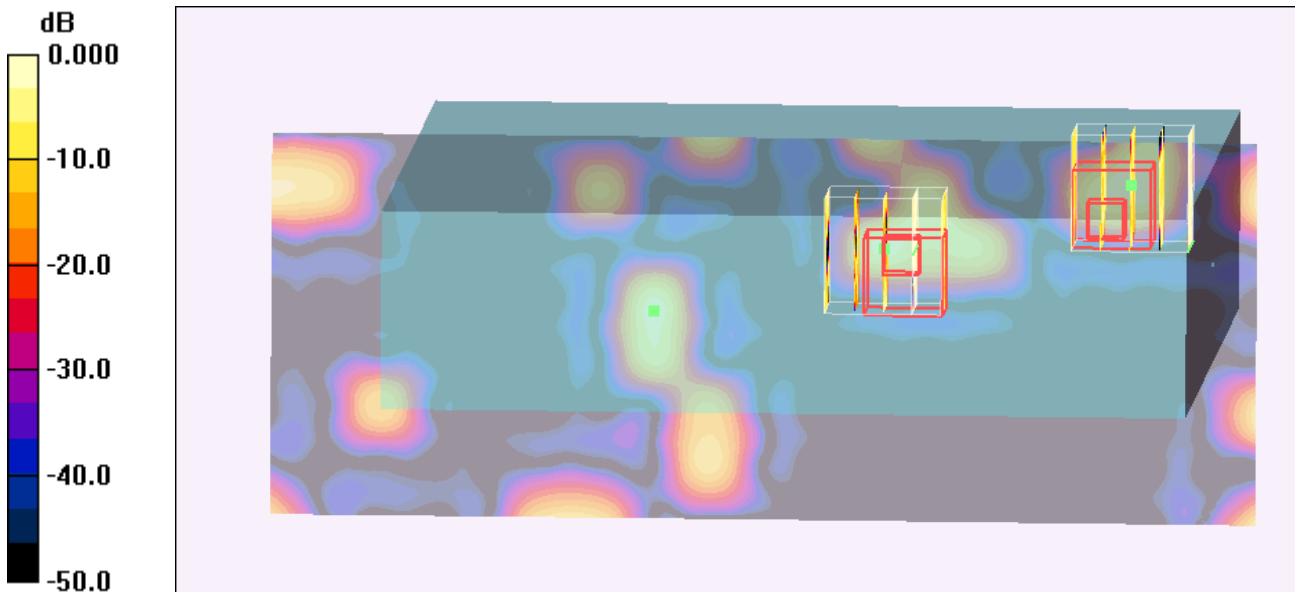
DASY4 Configuration:

- Probe: ET3DV6 - SN1787; ConvF(3.79, 3.79, 3.79); Calibrated: 2008/8/26
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn577; Calibrated: 2008/11/12
- Phantom: ELI 4.0_Front; Type: QDOVA001BB; Serial: 1026
- Measurement SW: DASY4, V4.7 Build 71; Postprocessing SW: SEMCAD, V1.8 Build 184

Ch1/Area Scan (71x181x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.003 mW/g

Ch1/Zoom Scan (5x5x7)/Cube 1: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 0.298 V/m; Power Drift = 0.152 dB
Peak SAR (extrapolated) = 0.007 W/kg
SAR(1 g) = 0.00176 mW/g; SAR(10 g) = 0.000339 mW/g
Maximum value of SAR (measured) = 0.006 mW/g

Ch1/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 0.298 V/m; Power Drift = 0.152 dB
Peak SAR (extrapolated) = 0.007 W/kg
SAR(1 g) = 0.0014 mW/g; SAR(10 g) = 0.000416 mW/g
Maximum value of SAR (measured) = 0.007 mW/g



0 dB = 0.006mW/g

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab

Date: 2008/12/10

Body 802.11b Ch1 Top Side with 0cm Gap ANT.B Panel2 5200mA

DUT: 8N2104

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

Medium: MSL_2450 Medium parameters used: $f = 2412$ MHz; $\sigma = 1.95$ mho/m; $\epsilon_r = 51.3$; $\rho = 1000$ kg/m³

Ambient Temperature : 22.8 °C; Liquid Temperature : 21.7 °C

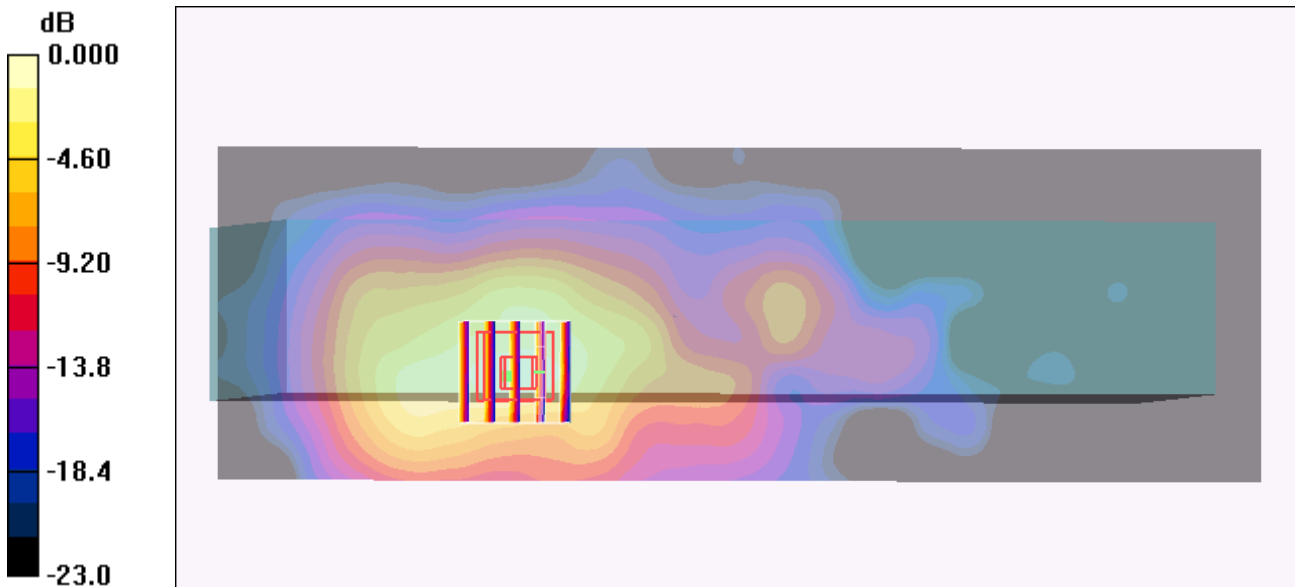
DASY4 Configuration:

- Probe: ET3DV6 - SN1787; ConvF(3.79, 3.79, 3.79); Calibrated: 2008/8/26
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn577; Calibrated: 2008/11/12
- Phantom: ELI 4.0_Front; Type: QDOVA001BB; Serial: 1026
- Measurement SW: DASY4, V4.7 Build 71; Postprocessing SW: SEMCAD, V1.8 Build 184

Ch1/Area Scan (71x221x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.459 mW/g

Ch1/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 5.70 V/m; Power Drift = 0.196 dB
Peak SAR (extrapolated) = 1.01 W/kg

SAR(1 g) = 0.412 mW/g; SAR(10 g) = 0.200 mW/g
Maximum value of SAR (measured) = 0.458 mW/g



0 dB = 0.458mW/g

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab

Date: 2008/12/9

Body 802.11g Ch6 Top Side with 0cm Gap ANT.B

DUT: 8N2104

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

Medium: MSL_2450 Medium parameters used: $f = 2437 \text{ MHz}$; $\sigma = 1.97 \text{ mho/m}$; $\epsilon_r = 51.2$; $\rho = 1000 \text{ kg/m}^3$

Ambient Temperature : 22.6 °C; Liquid Temperature : 21.7 °C

DASY4 Configuration:

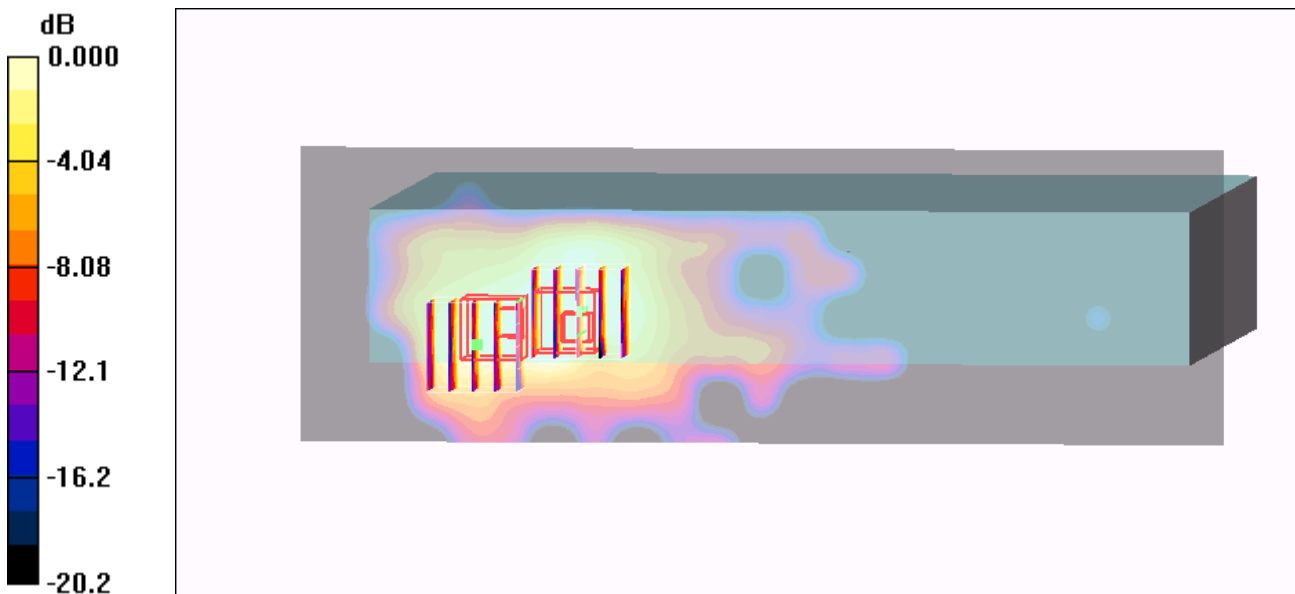
- Probe: ET3DV6 - SN1787; ConvF(3.79, 3.79, 3.79); Calibrated: 2008/8/26
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn577; Calibrated: 2008/11/12
- Phantom: ELI 4.0_Front; Type: QDOVA001BB; Serial: 1026
- Measurement SW: DASY4, V4.7 Build 71; Postprocessing SW: SEMCAD, V1.8 Build 184

Ch6/Area Scan (71x221x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.037 mW/g

Ch6/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 0.930 V/m; Power Drift = -0.191 dB
Peak SAR (extrapolated) = 0.106 W/kg

SAR(1 g) = 0.043 mW/g; SAR(10 g) = 0.020 mW/g
Maximum value of SAR (measured) = 0.049 mW/g

Ch6/Zoom Scan (5x5x7)/Cube 1: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 0.930 V/m; Power Drift = -0.191 dB
Peak SAR (extrapolated) = 0.042 W/kg
SAR(1 g) = 0.022 mW/g; SAR(10 g) = 0.013 mW/g
Maximum value of SAR (measured) = 0.025 mW/g



0 dB = 0.025mW/g

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab

Date: 2008/12/9

Body 802.11n(20M) Ch6 Top Side with 0cm Gap ANT.A+B+C

DUT: 8N2104

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

Medium: MSL_2450 Medium parameters used: $f = 2437$ MHz; $\sigma = 1.97$ mho/m; $\epsilon_r = 51.2$; $\rho = 1000$ kg/m³

Ambient Temperature : 22.6 °C; Liquid Temperature : 21.7 °C

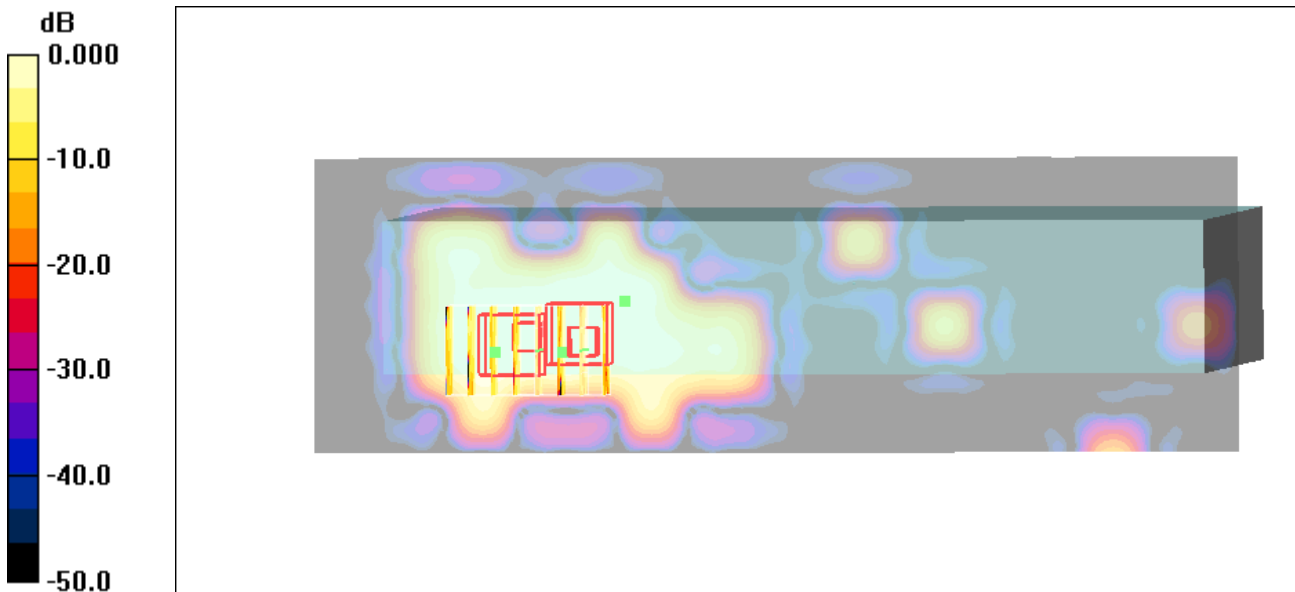
DASY4 Configuration:

- Probe: ET3DV6 - SN1787; ConvF(3.79, 3.79, 3.79); Calibrated: 2008/8/26
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn577; Calibrated: 2008/11/12
- Phantom: ELI 4.0_Front; Type: QDOVA001BB; Serial: 1026
- Measurement SW: DASY4, V4.7 Build 71; Postprocessing SW: SEMCAD, V1.8 Build 184

Ch6/Area Scan (71x221x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.020 mW/g

Ch6/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 0.648 V/m; Power Drift = -0.108 dB
Peak SAR (extrapolated) = 0.030 W/kg
SAR(1 g) = 0.015 mW/g; SAR(10 g) = 0.00736 mW/g
Maximum value of SAR (measured) = 0.019 mW/g

Ch6/Zoom Scan (5x5x7)/Cube 1: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 0.648 V/m; Power Drift = -0.108 dB
Peak SAR (extrapolated) = 0.021 W/kg
SAR(1 g) = 0.00948 mW/g; SAR(10 g) = 0.00574 mW/g
Maximum value of SAR (measured) = 0.011 mW/g



0 dB = 0.011mW/g

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab

Date: 2008/12/9

Body 802.11n(20M) Ch6 Left Side with 0cm Gap ANT.A+B+C

DUT: 8N2104

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

Medium: MSL_2450 Medium parameters used: $f = 2437$ MHz; $\sigma = 1.97$ mho/m; $\epsilon_r = 51.2$; $\rho = 1000$ kg/m³

Ambient Temperature : 22.5 °C; Liquid Temperature : 21.7 °C

DASY4 Configuration:

- Probe: ET3DV6 - SN1787; ConvF(3.79, 3.79, 3.79); Calibrated: 2008/8/26
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn577; Calibrated: 2008/11/12
- Phantom: ELI 4.0_Front; Type: QDOVA001BB; Serial: 1026
- Measurement SW: DASY4, V4.7 Build 71; Postprocessing SW: SEMCAD, V1.8 Build 184

Ch6/Area Scan (71x181x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.007 mW/g

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

Reference Value = 0.705 V/m; Power Drift = 0.1 dB

Peak SAR (extrapolated) = 0.007 W/kg

SAR(1 g) = 0.00214 mW/g; SAR(10 g) = 0.000494 mW/g

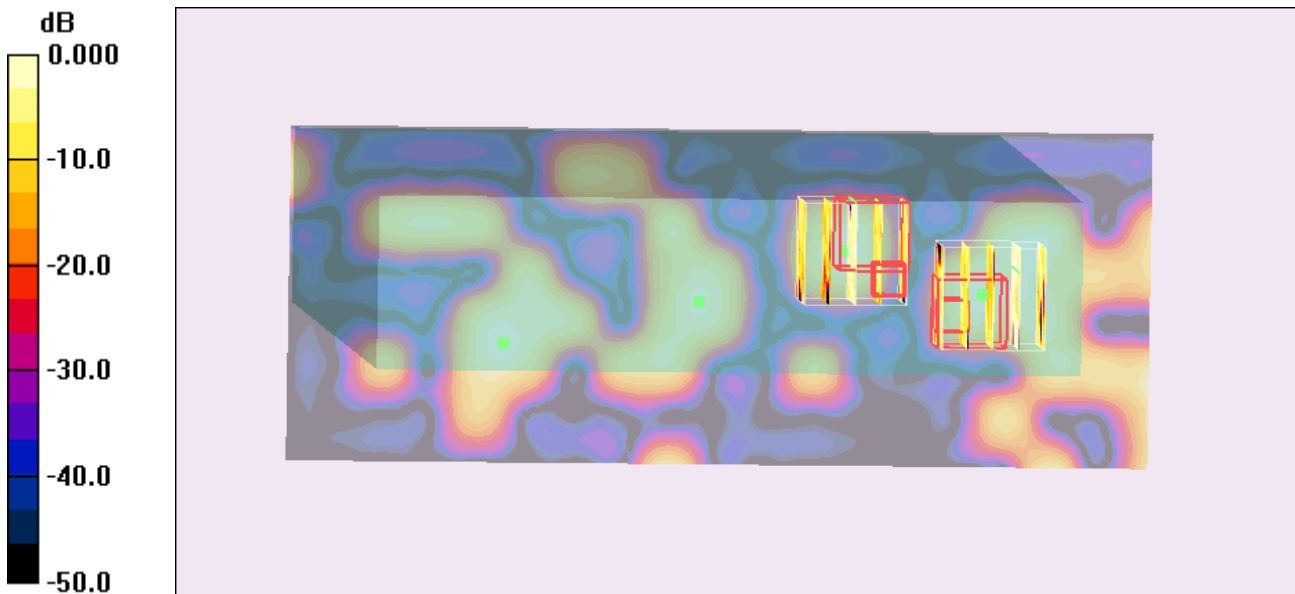
Maximum value of SAR (measured) = 0.007 mW/g

Ch6/Zoom Scan (5x5x7)/Cube 1: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 0.705 V/m; Power Drift = 0.1 dB

Peak SAR (extrapolated) = 0.007 W/kg

SAR(1 g) = 0.000902 mW/g; SAR(10 g) = 0.000194 mW/g



0 dB = 0.007mW/g

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab

Date: 2008/12/9

Body 802.11n(40M) Ch6 Top Side with 0cm Gap ANT.A+B+C

DUT: 8N2104

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

Medium: MSL_2450 Medium parameters used: $f = 2437 \text{ MHz}$; $\sigma = 1.97 \text{ mho/m}$; $\epsilon_r = 51.2$; $\rho = 1000 \text{ kg/m}^3$

Ambient Temperature : 22.9 °C; Liquid Temperature : 21.7 °C

DASY4 Configuration:

- Probe: ET3DV6 - SN1787; ConvF(3.79, 3.79, 3.79); Calibrated: 2008/8/26
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn577; Calibrated: 2008/11/12
- Phantom: ELI 4.0_Front; Type: QDOVA001BB; Serial: 1026
- Measurement SW: DASY4, V4.7 Build 71; Postprocessing SW: SEMCAD, V1.8 Build 184

Ch6/Area Scan (71x221x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.033 mW/g

Ch6/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 0.756 V/m; Power Drift = 0.033 dB

Peak SAR (extrapolated) = 0.070 W/kg

SAR(1 g) = 0.034 mW/g; SAR(10 g) = 0.016 mW/g

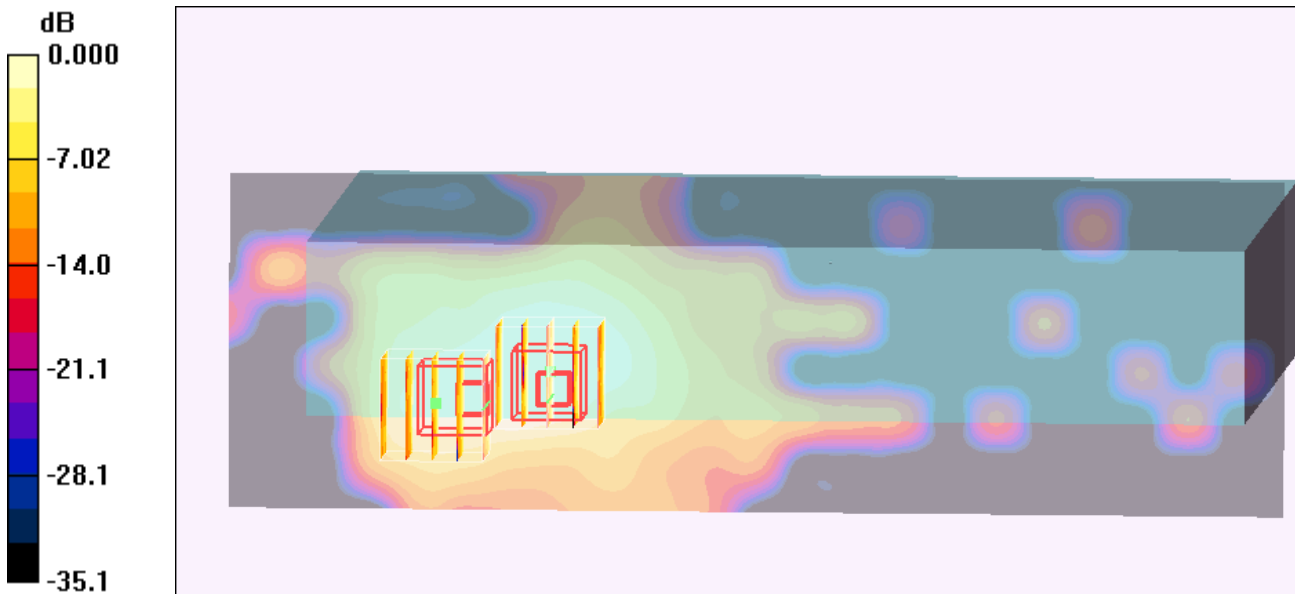
Maximum value of SAR (measured) = 0.042 mW/g

Ch6/Zoom Scan (5x5x7)/Cube 1: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 0.756 V/m; Power Drift = 0.033 dB

Peak SAR (extrapolated) = 0.066 W/kg

SAR(1 g) = 0.022 mW/g; SAR(10 g) = 0.012 mW/g

Maximum value of SAR (measured) = 0.025 mW/g



0 dB = 0.025mW/g

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab

Date: 2008/12/11

Body 802.11a Ch48 Top Side with 0cm Gap ANT.A

DUT: 8N2104

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

Medium: MSL_5000~6000 Medium parameters used: $f = 5240$ MHz; $\sigma = 5.39$ mho/m; $\epsilon_r = 48.6$; $\rho = 1000$ kg/m³

Ambient Temperature : 22.5 °C; Liquid Temperature : 21.3 °C

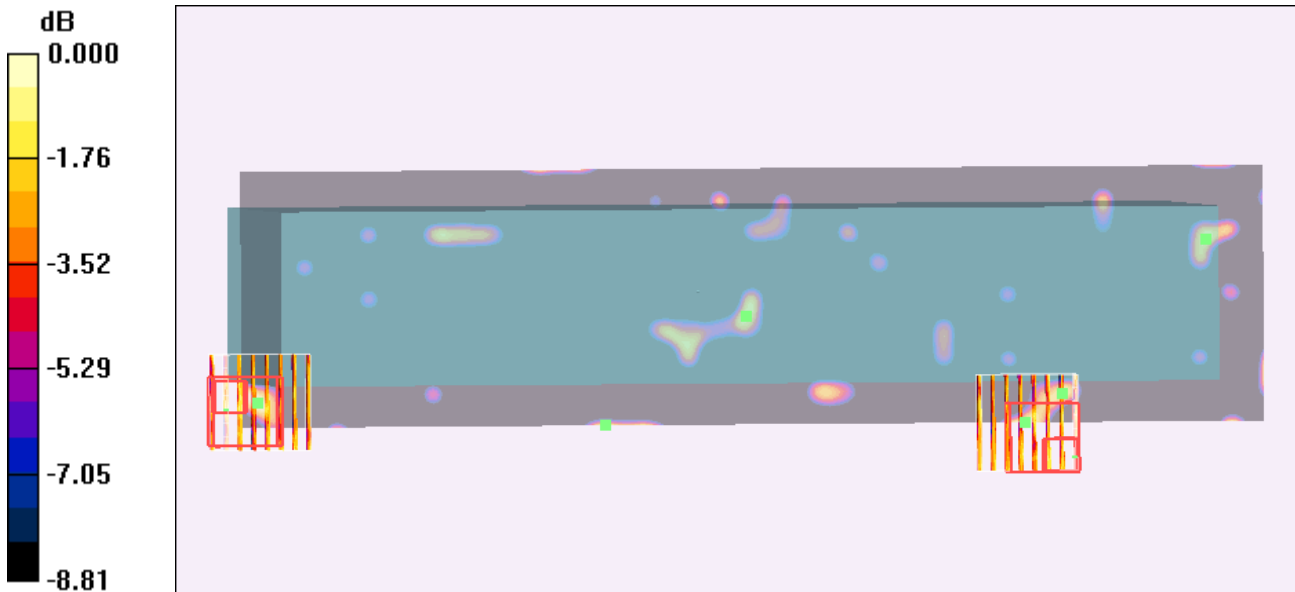
DASY4 Configuration:

- Probe: EX3DV3 - SN3514; ConvF(4.34, 4.34, 4.34); Calibrated: 2008/1/31
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn679; Calibrated: 2008/5/21
- Phantom: ELI 4.0_Front; Type: QDOVA001BB; Serial: 1026
- Measurement SW: DASY4, V4.7 Build 71; Postprocessing SW: SEMCAD, V1.8 Build 184

Ch48/Area Scan (81x321x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.024 mW/g

Ch48/Zoom Scan (8x8x8)/Cube 0: Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm
Reference Value = 1.19 V/m; Power Drift = 0.199 dB
Peak SAR (extrapolated) = 0.022 W/kg
SAR(1 g) = 0.012 mW/g; SAR(10 g) = 0.00871 mW/g
Maximum value of SAR (measured) = 0.020 mW/g

Ch48/Zoom Scan (8x8x8)/Cube 1: Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm
Reference Value = 1.19 V/m; Power Drift = 0.199 dB
Peak SAR (extrapolated) = 0.025 W/kg
SAR(1 g) = 0.00937 mW/g; SAR(10 g) = 0.00474 mW/g



0 dB = 0.020mW/g

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab

Date: 2008/12/12

Body 802.11a Ch48 Top Side with 0cm Gap ANT.B

DUT: 8N2104

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

Medium: MSL_5000~6000 Medium parameters used: $f = 5240$ MHz; $\sigma = 5.39$ mho/m; $\epsilon_r = 48.6$; $\rho = 1000$ kg/m³

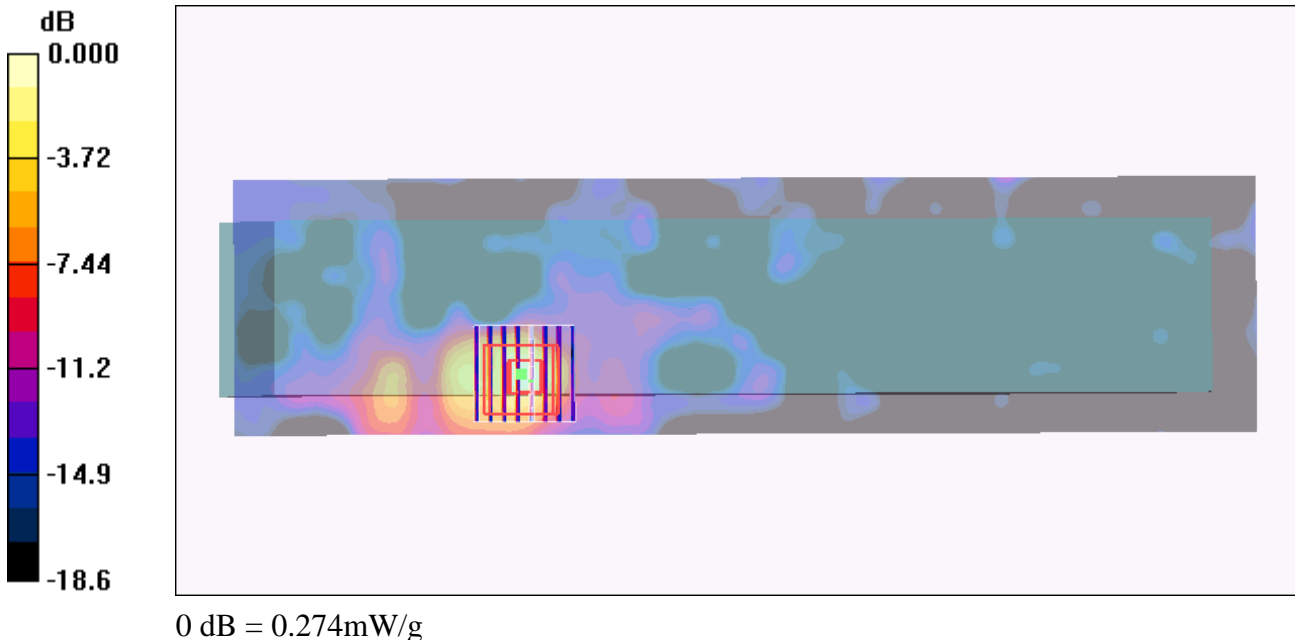
Ambient Temperature : 22.4 °C; Liquid Temperature : 21.3 °C

DASY4 Configuration:

- Probe: EX3DV3 - SN3514; ConvF(4.34, 4.34, 4.34); Calibrated: 2008/1/31
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn679; Calibrated: 2008/5/21
- Phantom: ELI 4.0_Front; Type: QDOVA001BB; Serial: 1026
- Measurement SW: DASY4, V4.7 Build 71; Postprocessing SW: SEMCAD, V1.8 Build 184

Ch48/Area Scan (81x321x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.276 mW/g

Ch48/Zoom Scan (8x8x8)/Cube 0: Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm
Reference Value = 1.34 V/m; Power Drift = 0.127 dB
Peak SAR (extrapolated) = 0.571 W/kg
SAR(1 g) = 0.142 mW/g; SAR(10 g) = 0.050 mW/g
Maximum value of SAR (measured) = 0.274 mW/g



Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab

Date: 2008/12/13

Body 802.11a Ch48 Left Side with 0cm Gap ANT.C

DUT: 8N2104

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

Medium: MSL_5000~6000 Medium parameters used : $f = 5240 \text{ MHz}$; $\sigma = 5.39 \text{ mho/m}$; $\epsilon_r = 48.6$; $\rho = 1000 \text{ kg/m}^3$

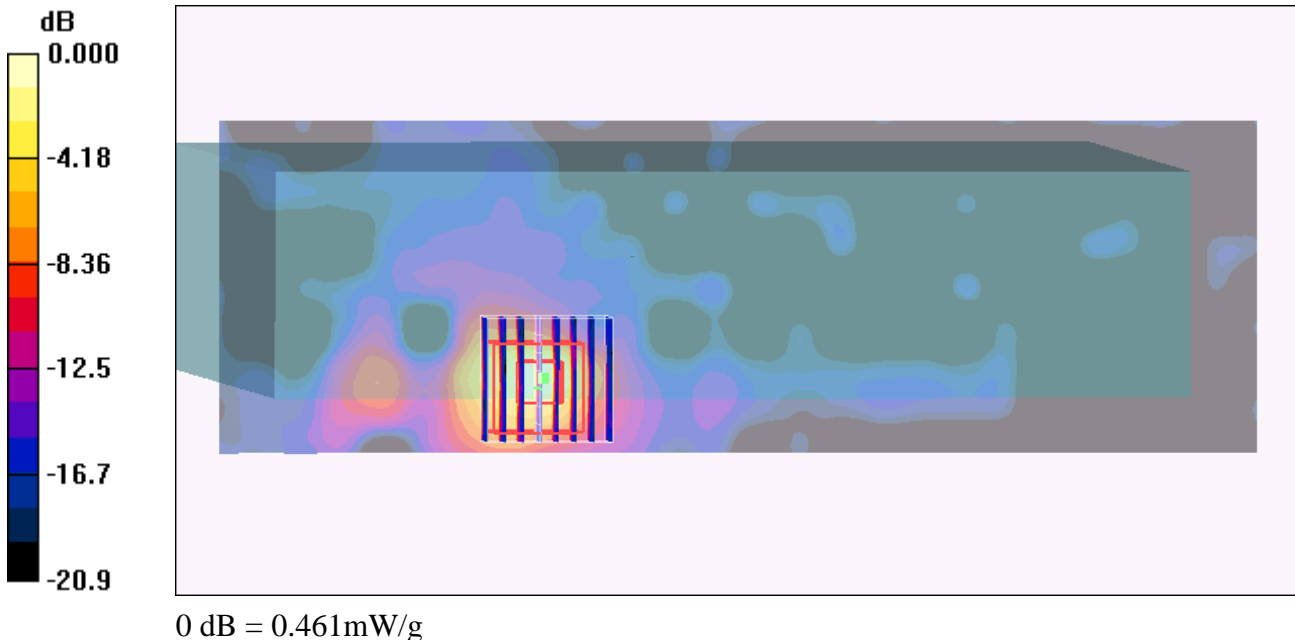
Ambient Temperature : 22.4 °C; Liquid Temperature : 21.5 °C

DASY4 Configuration:

- Probe: EX3DV3 - SN3514; ConvF(4.34, 4.34, 4.34); Calibrated: 2008/1/31
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn577; Calibrated: 2008/11/12
- Phantom: ELI 4.0_Front; Type: QDOVA001BB; Serial: 1026
- Measurement SW: DASY4, V4.7 Build 71; Postprocessing SW: SEMCAD, V1.8 Build 184

Ch48/Area Scan (81x251x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.500 mW/g

Ch48/Zoom Scan (8x8x8)/Cube 0: Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm
Reference Value = 0.934 V/m; Power Drift = 0.144 dB
Peak SAR (extrapolated) = 0.996 W/kg
SAR(1 g) = 0.234 mW/g; SAR(10 g) = 0.068 mW/g
Maximum value of SAR (measured) = 0.461 mW/g



Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab

Date: 2008/12/13

Body 802.11a Ch36 Left Side with 0cm Gap ANT C

DUT: 8N2104

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

Medium: MSL_5000~6000 Medium parameters used : $f = 5180 \text{ MHz}$; $\sigma = 5.3 \text{ mho/m}$; $\epsilon_r = 48.7$; $\rho = 1000 \text{ kg/m}^3$

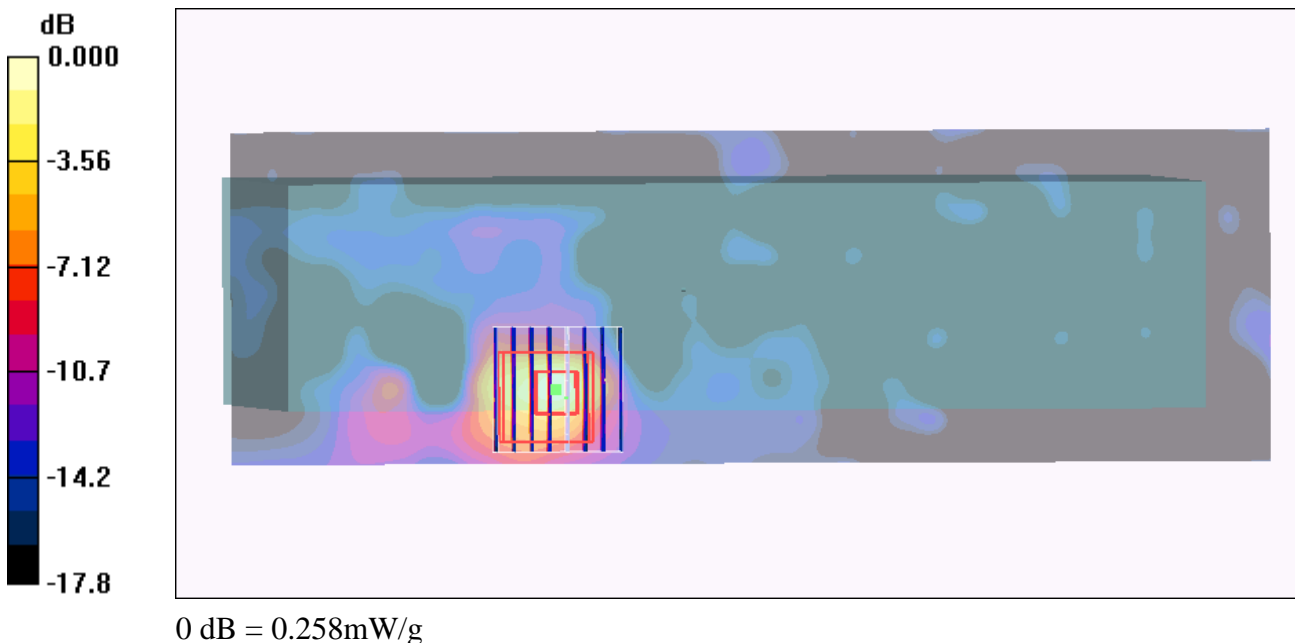
Ambient Temperature : 22.8 °C; Liquid Temperature : 21.5 °C

DASY4 Configuration:

- Probe: EX3DV3 - SN3514; ConvF(4.34, 4.34, 4.34); Calibrated: 2008/1/31
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn577; Calibrated: 2008/11/12
- Phantom: ELI 4.0_Front; Type: QDOVA001BB; Serial: 1026
- Measurement SW: DASY4, V4.7 Build 71; Postprocessing SW: SEMCAD, V1.8 Build 184

Ch36/Area Scan (81x251x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.249 mW/g

Ch36/Zoom Scan (8x8x8)/Cube 0: Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm
Reference Value = 1.32 V/m; Power Drift = 0.123 dB
Peak SAR (extrapolated) = 0.572 W/kg
SAR(1 g) = 0.131 mW/g; SAR(10 g) = 0.042 mW/g
Maximum value of SAR (measured) = 0.258 mW/g



Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab

Date: 2008/12/13

Body 802.11a Ch52 Left Side with 0cm Gap ANT C

DUT: 8N2104

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

Medium: MSL_5000~6000 Medium parameters used: $f = 5260$ MHz; $\sigma = 5.42$ mho/m; $\epsilon_r = 48.6$; $\rho = 1000$ kg/m³

Ambient Temperature : 22.8 °C; Liquid Temperature : 21.5 °C

DASY4 Configuration:

- Probe: EX3DV3 - SN3514; ConvF(4.06, 4.06, 4.06); Calibrated: 2008/1/31
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn577; Calibrated: 2008/11/12
- Phantom: ELI 4.0_Front; Type: QDOVA001BB; Serial: 1026
- Measurement SW: DASY4, V4.7 Build 71; Postprocessing SW: SEMCAD, V1.8 Build 184

Ch52/Area Scan (81x251x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.661 mW/g

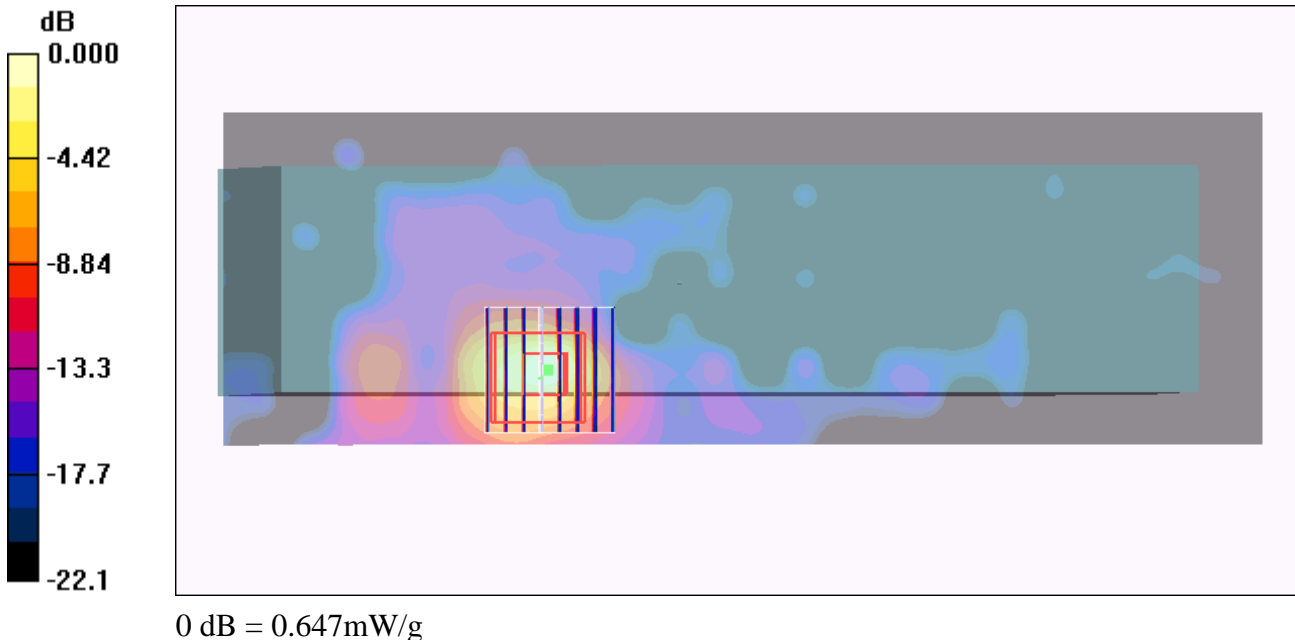
Ch52/Zoom Scan (8x8x8)/Cube 0: Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm

Reference Value = 1.33 V/m; Power Drift = -0.198 dB

Peak SAR (extrapolated) = 1.34 W/kg

SAR(1 g) = 0.326 mW/g; SAR(10 g) = 0.098 mW/g

Maximum value of SAR (measured) = 0.647 mW/g



Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab

Date: 2008/12/13

Body 802.11a Ch64 Left Side with 0cm Gap ANT C

DUT: 8N2104

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

Medium: MSL_5000~6000 Medium parameters used : $f = 5320$ MHz; $\sigma = 5.5$ mho/m; $\epsilon_r = 48.4$; $\rho = 1000$ kg/m³

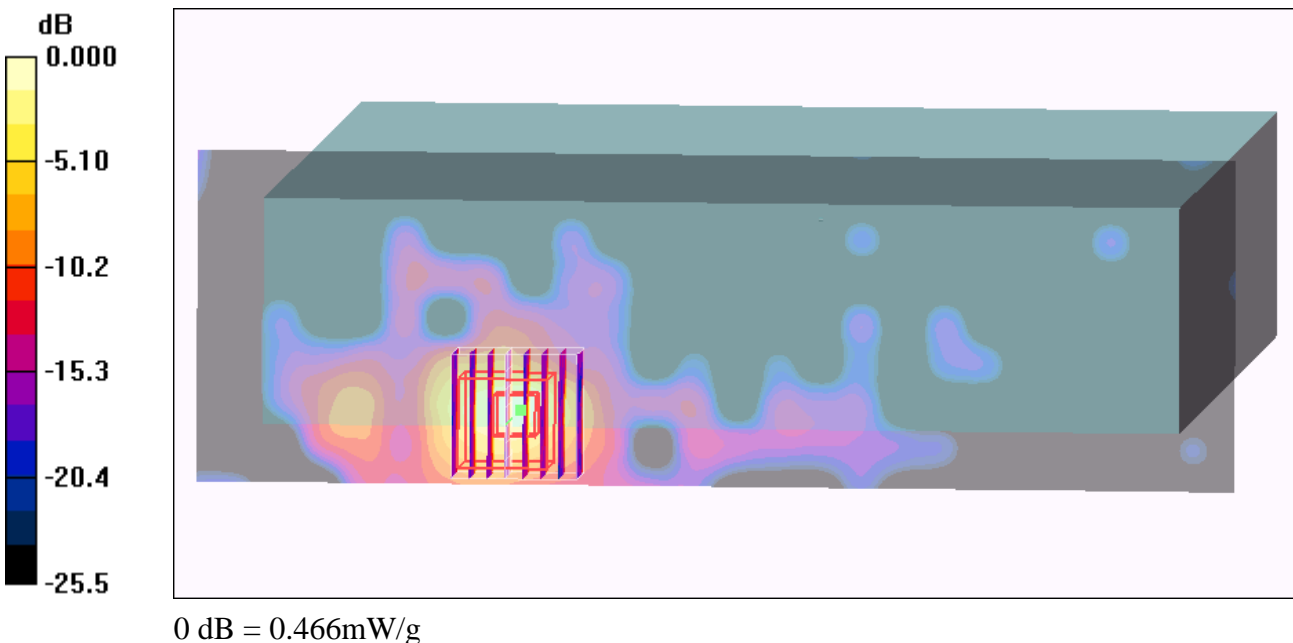
Ambient Temperature : 22.5 °C; Liquid Temperature : 21.4 °C

DASY4 Configuration:

- Probe: EX3DV3 - SN3514; ConvF(4.06, 4.06, 4.06); Calibrated: 2008/1/31
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn577; Calibrated: 2008/11/12
- Phantom: ELI 4.0_Front; Type: QDOVA001BB; Serial: 1026
- Measurement SW: DASY4, V4.7 Build 71; Postprocessing SW: SEMCAD, V1.8 Build 184

Ch64/Area Scan (81x251x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.467 mW/g

Ch64/Zoom Scan (8x8x8)/Cube 0: Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm
Reference Value = 0.906 V/m; Power Drift = 0.180 dB
Peak SAR (extrapolated) = 1.02 W/kg
SAR(1 g) = 0.232 mW/g; SAR(10 g) = 0.071 mW/g
Maximum value of SAR (measured) = 0.466 mW/g



Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab

Date: 2008/12/14

Body 802.11a Ch52 NB Bottom with 0cm Gap ANT C

DUT: 8N2104

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

Medium: MSL_5000~6000 Medium parameters used: $f = 5260$ MHz; $\sigma = 5.42$ mho/m; $\epsilon_r = 48.6$; $\rho = 1000$ kg/m³

Ambient Temperature : 22.6 °C; Liquid Temperature : 21.5 °C

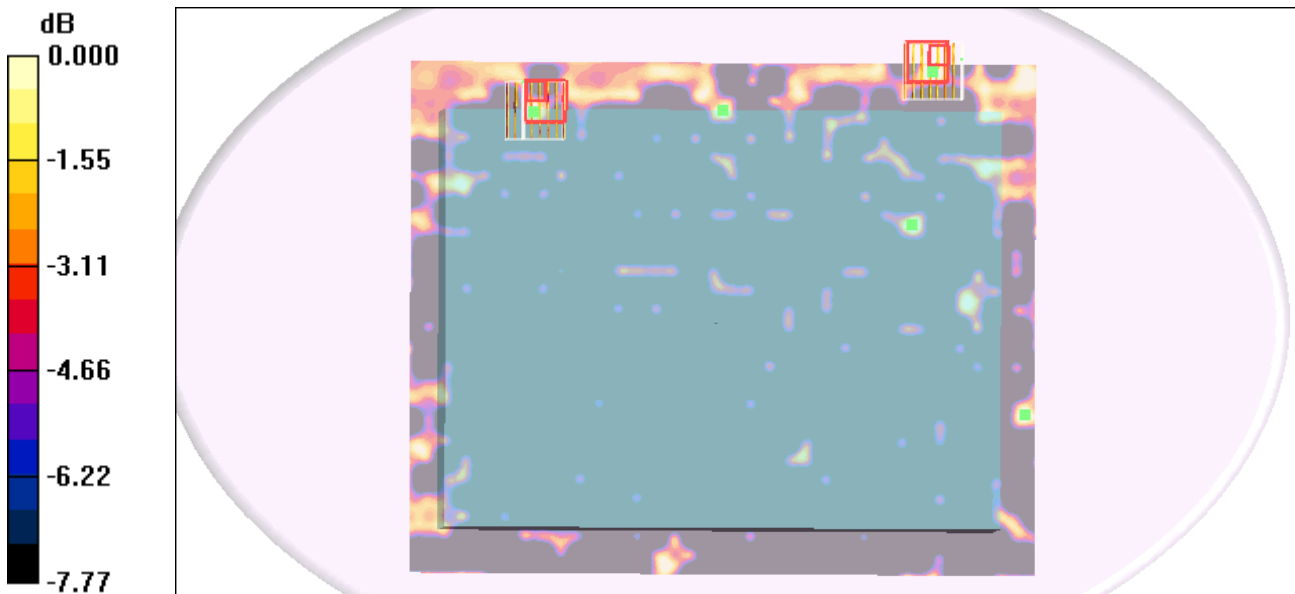
DASY4 Configuration:

- Probe: EX3DV3 - SN3514; ConvF(4.06, 4.06, 4.06); Calibrated: 2008/1/31
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn577; Calibrated: 2008/11/12
- Phantom: ELI 4.0_Front; Type: QDOVA001BB; Serial: 1026
- Measurement SW: DASY4, V4.7 Build 71; Postprocessing SW: SEMCAD, V1.8 Build 184

Ch52/Area Scan (271x331x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.055 mW/g

Ch52/Zoom Scan (8x8x8)/Cube 1: Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm
Reference Value = 1.43 V/m; Power Drift = -0.139 dB
Peak SAR (extrapolated) = 0.032 W/kg
SAR(1 g) = 0.020 mW/g; SAR(10 g) = 0.018 mW/g
Maximum value of SAR (measured) = 0.032 mW/g

Ch52/Zoom Scan (8x8x8)/Cube 0: Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm
Reference Value = 1.43 V/m; Power Drift = -0.139 dB
Peak SAR (extrapolated) = 0.029 W/kg
SAR(1 g) = 0.019 mW/g; SAR(10 g) = 0.017 mW/g
Maximum value of SAR (measured) = 0.029 mW/g



0 dB = 0.029mW/g

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab

Date: 2008/12/13

Body 802.11a Ch52 Bottom with 0cm Gap ANT A

DUT: 8N2104

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

Medium: MSL_5000~6000 Medium parameters used: $f = 5260$ MHz; $\sigma = 5.42$ mho/m; $\epsilon_r = 48.6$; $\rho = 1000$ kg/m³

Ambient Temperature : 22.8 °C; Liquid Temperature : 21.5 °C

DASY4 Configuration:

- Probe: EX3DV3 - SN3514; ConvF(4.06, 4.06, 4.06); Calibrated: 2008/1/31
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn577; Calibrated: 2008/11/12
- Phantom: ELI 4.0_Front; Type: QDOVA001BB; Serial: 1026
- Measurement SW: DASY4, V4.7 Build 71; Postprocessing SW: SEMCAD, V1.8 Build 184

Ch52/Area Scan (271x331x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.033 mW/g

Ch52/Zoom Scan (8x8x8)/Cube 0: Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm

Reference Value = 1.72 V/m; Power Drift = -0.169 dB

Peak SAR (extrapolated) = 0.032 W/kg

SAR(1 g) = 0.018 mW/g; SAR(10 g) = 0.015 mW/g

Maximum value of SAR (measured) = 0.028 mW/g

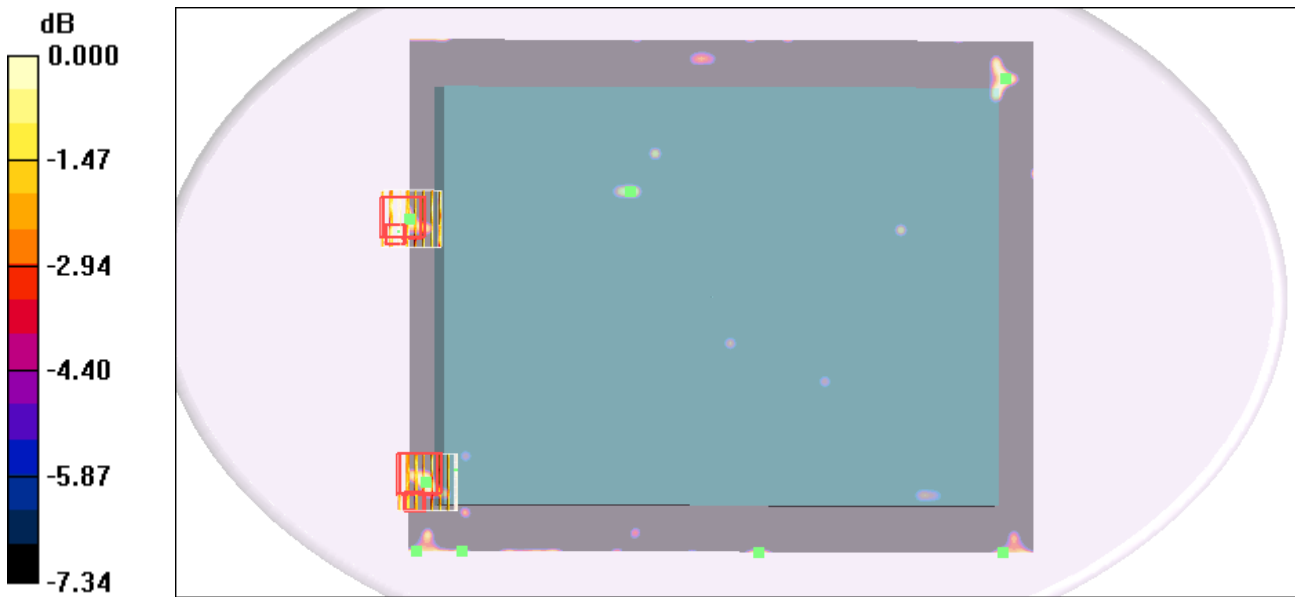
Ch52/Zoom Scan (8x8x8)/Cube 1: Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm

Reference Value = 1.72 V/m; Power Drift = -0.169 dB

Peak SAR (extrapolated) = 0.026 W/kg

SAR(1 g) = 0.015 mW/g; SAR(10 g) = 0.012 mW/g

Maximum value of SAR (measured) = 0.021 mW/g



0 dB = 0.021mW/g

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab

Date: 2008/12/13

Body 802.11a Ch52 Bottom with 0cm Gap ANT B

DUT: 8N2104

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

Medium: MSL_5000~6000 Medium parameters used: $f = 5260$ MHz; $\sigma = 5.42$ mho/m; $\epsilon_r = 48.6$; $\rho = 1000$ kg/m³

Ambient Temperature : 22.8 °C; Liquid Temperature : 21.5 °C

DASY4 Configuration:

- Probe: EX3DV3 - SN3514; ConvF(4.06, 4.06, 4.06); Calibrated: 2008/1/31
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn577; Calibrated: 2008/11/12
- Phantom: ELI 4.0_Front; Type: QDOVA001BB; Serial: 1026
- Measurement SW: DASY4, V4.7 Build 71; Postprocessing SW: SEMCAD, V1.8 Build 184

Ch52/Area Scan (271x331x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.032 mW/g

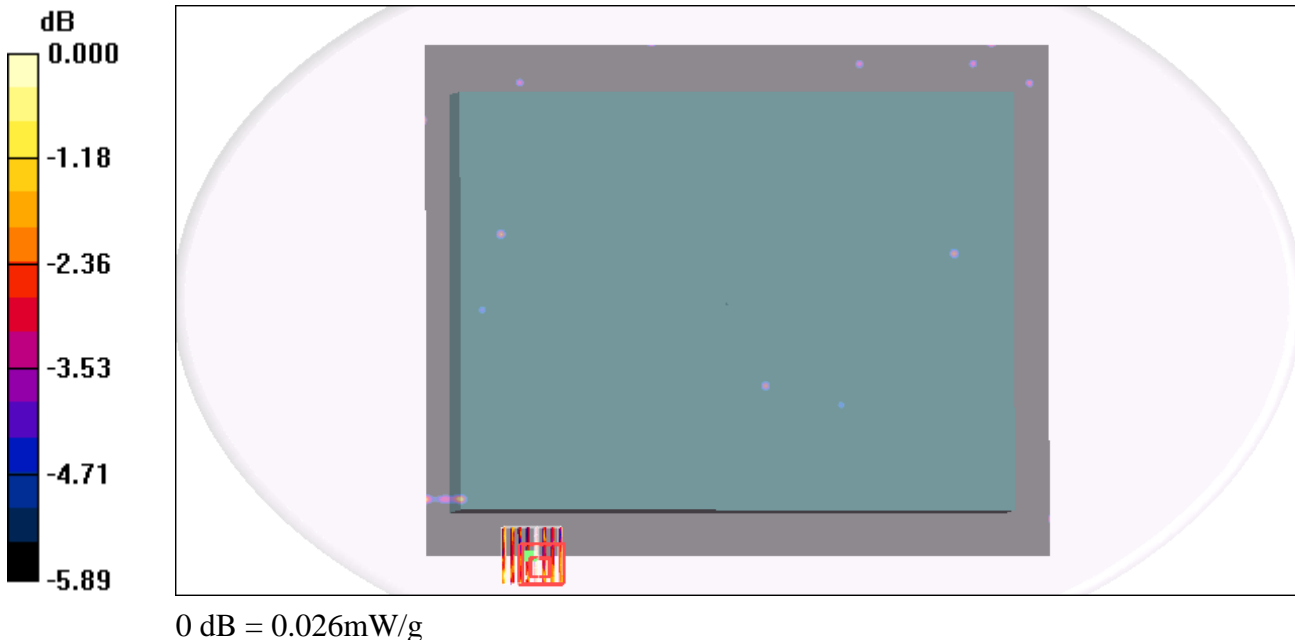
Ch52/Zoom Scan (8x8x8)/Cube 0: Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm

Reference Value = 1.39 V/m; Power Drift = 0.118 dB

Peak SAR (extrapolated) = 0.026 W/kg

SAR(1 g) = 0.018 mW/g; SAR(10 g) = 0.015 mW/g

Maximum value of SAR (measured) = 0.026 mW/g



Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab

Date: 2008/12/14

Body 802.11a Ch52 Bottom with 0cm Gap ANT C

DUT: 8N2104

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

Medium: MSL_5000~6000 Medium parameters used: $f = 5260$ MHz; $\sigma = 5.42$ mho/m; $\epsilon_r = 48.6$; $\rho = 1000$ kg/m³

Ambient Temperature : 22.8 °C; Liquid Temperature : 21.5 °C

DASY4 Configuration:

- Probe: EX3DV3 - SN3514; ConvF(4.06, 4.06, 4.06); Calibrated: 2008/1/31
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn577; Calibrated: 2008/11/12
- Phantom: ELI 4.0_Front; Type: QDOVA001BB; Serial: 1026
- Measurement SW: DASY4, V4.7 Build 71; Postprocessing SW: SEMCAD, V1.8 Build 184

Ch52/Area Scan (271x331x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.046 mW/g

Ch52/Zoom Scan (8x8x8)/Cube 0: Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm

Reference Value = 1.22 V/m; Power Drift = 0.124 dB

Peak SAR (extrapolated) = 0.027 W/kg

SAR(1 g) = 0.017 mW/g; SAR(10 g) = 0.015 mW/g

Maximum value of SAR (measured) = 0.023 mW/g

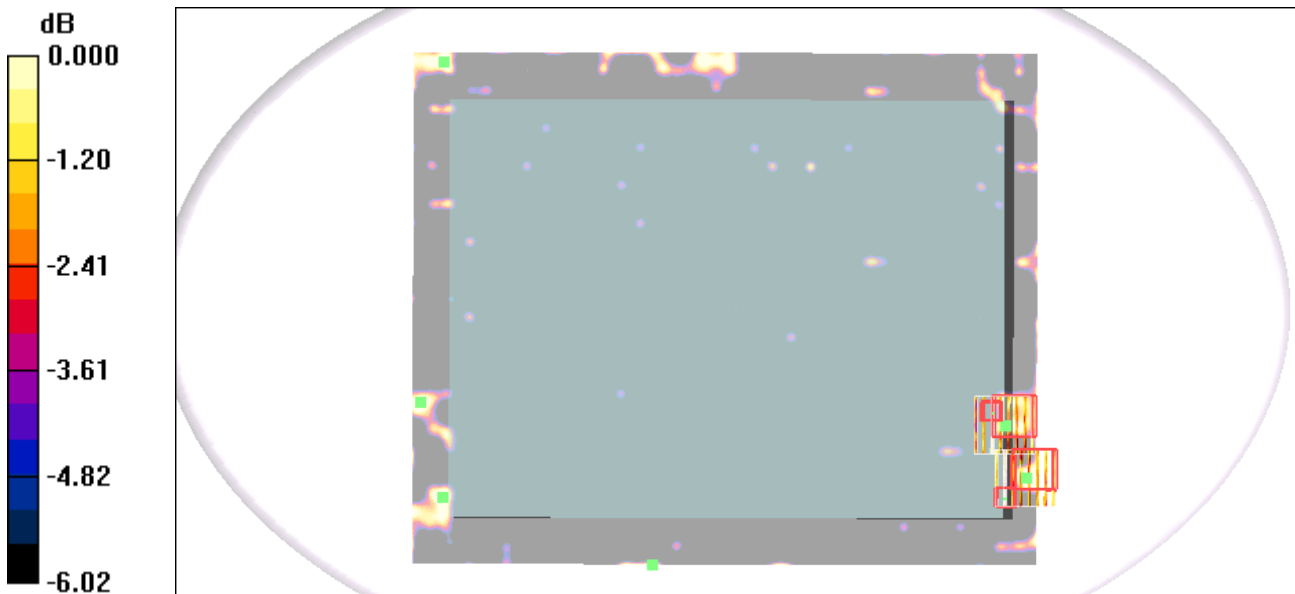
Ch52/Zoom Scan (8x8x8)/Cube 1: Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm

Reference Value = 1.22 V/m; Power Drift = 0.124 dB

Peak SAR (extrapolated) = 0.027 W/kg

SAR(1 g) = 0.016 mW/g; SAR(10 g) = 0.015 mW/g

Maximum value of SAR (measured) = 0.022 mW/g



0 dB = 0.022mW/g

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab

Date: 2008/12/14

Body 802.11a Ch52 Rear Side With 0cm Gap ANT C

DUT: 8N2104

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

Medium: MSL_5000~6000 Medium parameters used: f = 5260 MHz; $\sigma = 5.42$ mho/m; $\epsilon_r = 48.6$; $\rho = 1000$ kg/m³

Ambient Temperature : 22.7 °C; Liquid Temperature : 21.5 °C

DASY4 Configuration:

- Probe: EX3DV3 - SN3514; ConvF(4.06, 4.06, 4.06); Calibrated: 2008/1/31
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn577; Calibrated: 2008/11/12
- Phantom: ELI 4.0_Front; Type: QDOVA001BB; Serial: 1026
- Measurement SW: DASY4, V4.7 Build 71; Postprocessing SW: SEMCAD, V1.8 Build 184

Ch52/Area Scan (81x331x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.033 mW/g

Ch52/Zoom Scan (8x8x8)/Cube 0: Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm

Reference Value = 1.29 V/m; Power Drift = 0.142 dB

Peak SAR (extrapolated) = 0.022 W/kg

SAR(1 g) = 0.014 mW/g; SAR(10 g) = 0.00916 mW/g

Maximum value of SAR (measured) = 0.021 mW/g

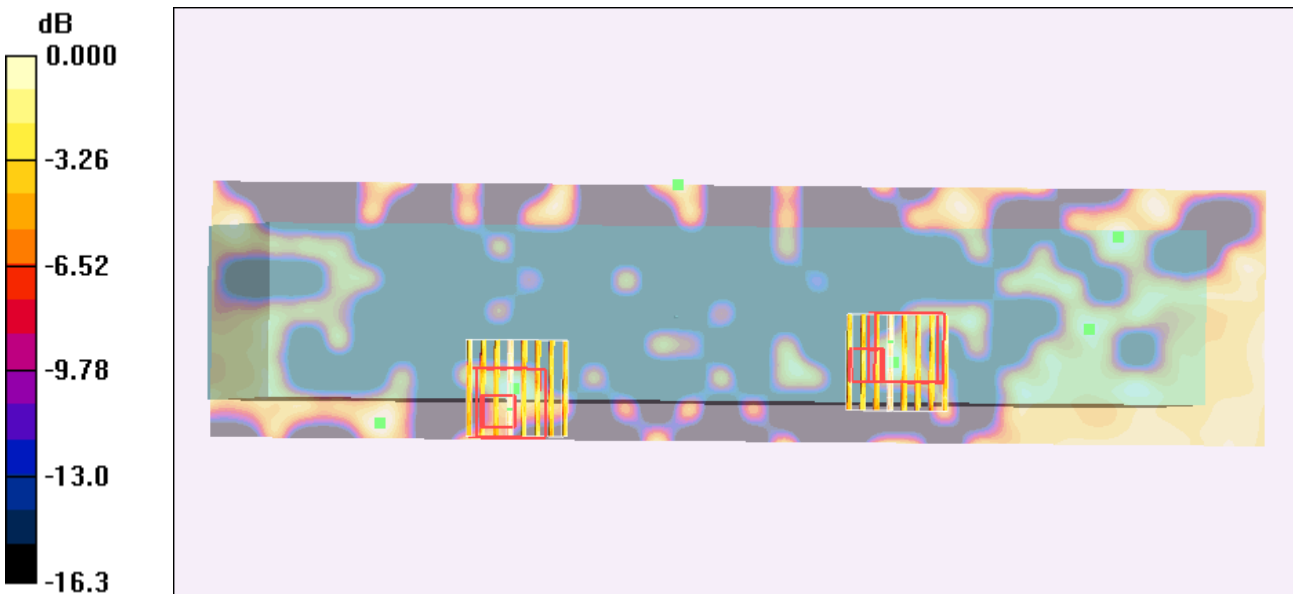
Ch52/Zoom Scan (8x8x8)/Cube 1: Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm

Reference Value = 1.29 V/m; Power Drift = 0.142 dB

Peak SAR (extrapolated) = 0.027 W/kg

SAR(1 g) = 0.011 mW/g; SAR(10 g) = 0.006 mW/g

Maximum value of SAR (measured) = 0.022 mW/g



0 dB = 0.022mW/g

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab

Date: 2008/12/14

Body 802.11a Ch52 Right Side With 0cm Gap ANT A

DUT: 8N2104

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

Medium: MSL_5000~6000 Medium parameters used: $f = 5260$ MHz; $\sigma = 5.42$ mho/m; $\epsilon_r = 48.6$; $\rho = 1000$ kg/m³

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

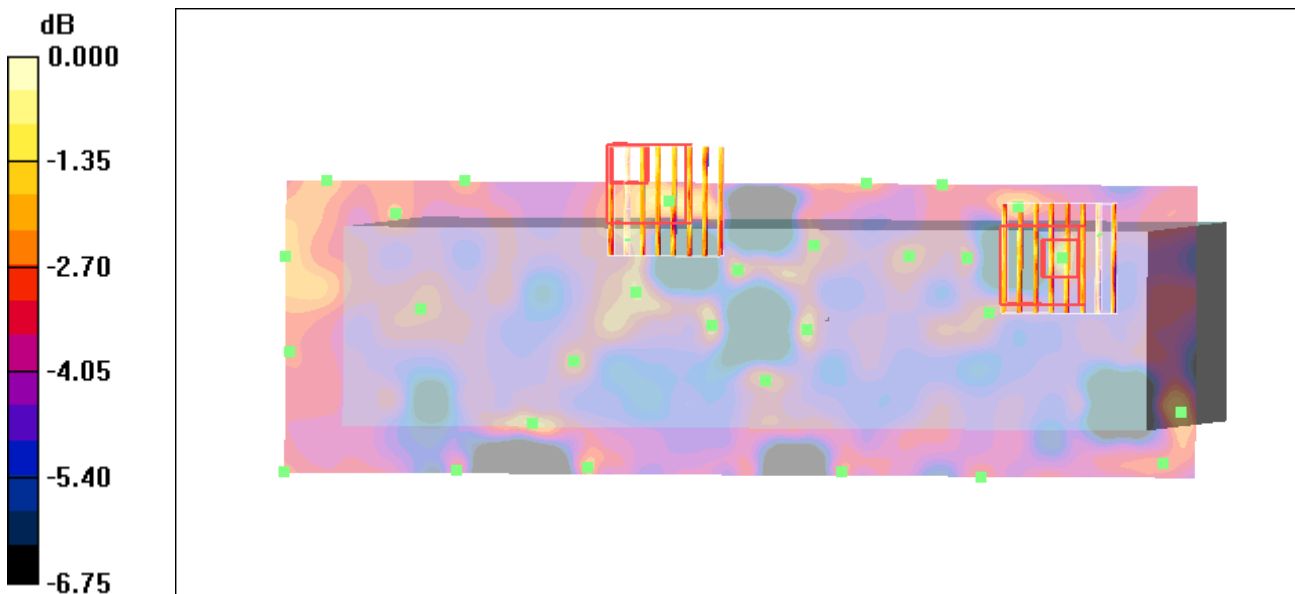
DASY4 Configuration:

- Probe: EX3DV3 - SN3514; ConvF(4.06, 4.06, 4.06); Calibrated: 2008/1/31
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn577; Calibrated: 2008/11/12
- Phantom: ELI 4.0_Front; Type: QDOVA001BB; Serial: 1026
- Measurement SW: DASY4, V4.7 Build 71; Postprocessing SW: SEMCAD, V1.8 Build 184

Ch52/Area Scan (81x251x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.026 mW/g

Ch52/Zoom Scan (8x8x8)/Cube 0: Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm
Reference Value = 1.83 V/m; Power Drift = 0.112 dB
Peak SAR (extrapolated) = 0.034 W/kg
SAR(1 g) = 0.026 mW/g; SAR(10 g) = 0.021 mW/g
Maximum value of SAR (measured) = 0.033 mW/g

Ch52/Zoom Scan (8x8x8)/Cube 1: Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm
Reference Value = 1.83 V/m; Power Drift = 0.112 dB
Peak SAR (extrapolated) = 0.033 W/kg
SAR(1 g) = 0.026 mW/g; SAR(10 g) = 0.021 mW/g



Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab

Date: 2008/12/13

Body 802.11a Ch52 Left Side with 0cm Gap ANT C Panel2 5200mA

DUT: 8N2104

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

Medium: MSL_5000~6000 Medium parameters used: $f = 5260$ MHz; $\sigma = 5.42$ mho/m; $\epsilon_r = 48.6$; $\rho = 1000$ kg/m³

Ambient Temperature : 22.8 °C; Liquid Temperature : 21.5 °C

DASY4 Configuration:

- Probe: EX3DV3 - SN3514; ConvF(4.06, 4.06, 4.06); Calibrated: 2008/1/31

- Sensor-Surface: 2mm (Mechanical Surface Detection)

- Electronics: DAE3 Sn577; Calibrated: 2008/11/12

- Phantom: ELI 4.0_Front; Type: QDOVA001BB; Serial: 1026

- Measurement SW: DASY4, V4.7 Build 71; Postprocessing SW: SEMCAD, V1.8 Build 184

Ch52/Area Scan (81x251x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.046 mW/g

Ch52/Zoom Scan (8x8x8)/Cube 0: Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm

Reference Value = 1.28 V/m; Power Drift = 0.197 dB

Peak SAR (extrapolated) = 0.027 W/kg

SAR(1 g) = 0.015 mW/g; SAR(10 g) = 0.012 mW/g

Maximum value of SAR (measured) = 0.020 mW/g

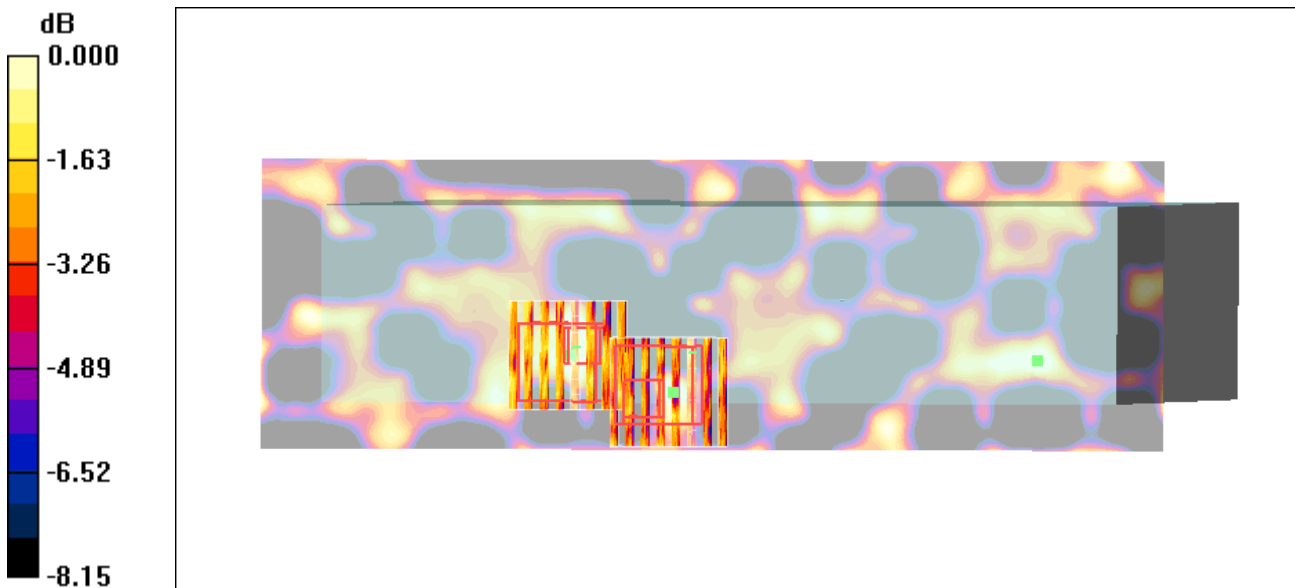
Ch52/Zoom Scan (8x8x8)/Cube 1: Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm

Reference Value = 1.28 V/m; Power Drift = 0.197 dB

Peak SAR (extrapolated) = 0.022 W/kg

SAR(1 g) = 0.013 mW/g; SAR(10 g) = 0.00829 mW/g

Maximum value of SAR (measured) = 0.021 mW/g



0 dB = 0.021mW/g

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab

Date: 2008/12/12

Body 802.11n Ch48 Left Side with 0cm Gap 20M ANT.ABC

DUT: 8N2104

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

Medium: MSL_5000~6000 Medium parameters used: $f = 5240 \text{ MHz}$; $\sigma = 5.39 \text{ mho/m}$; $\epsilon_r = 48.6$; $\rho = 1000 \text{ kg/m}^3$

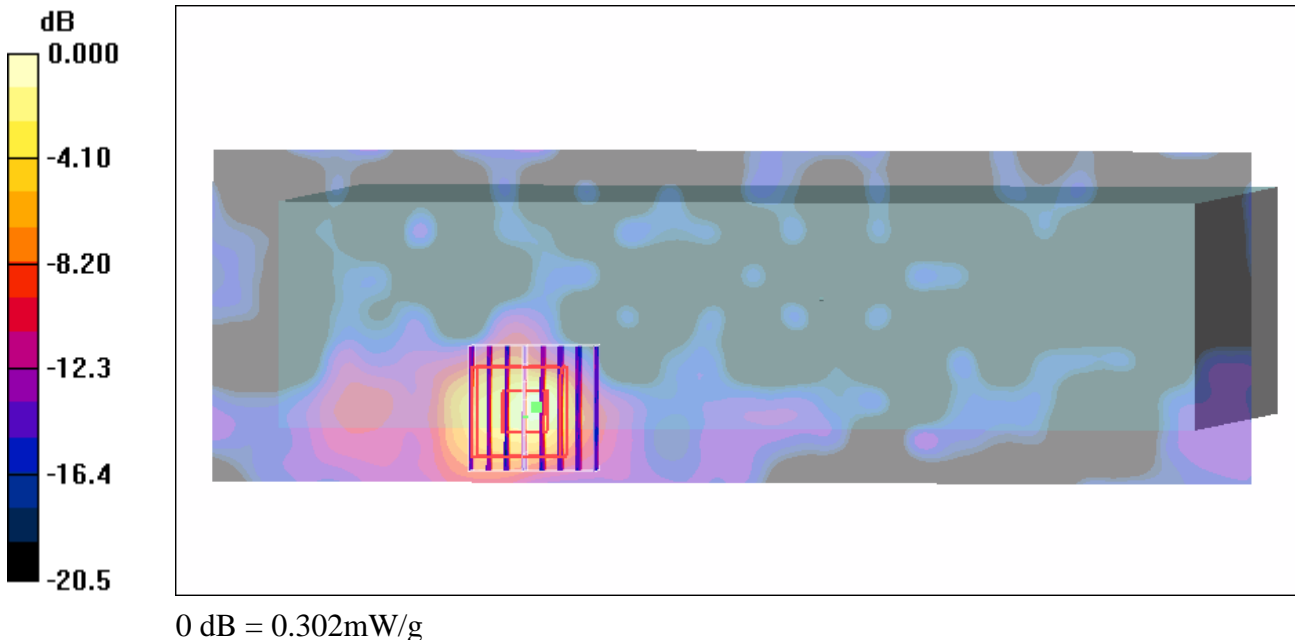
Ambient Temperature : 22.5 °C; Liquid Temperature : 21.3 °C

DASY4 Configuration:

- Probe: EX3DV3 - SN3514; ConvF(4.34, 4.34, 4.34); Calibrated: 2008/1/31
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn679; Calibrated: 2008/5/21
- Phantom: ELI 4.0_Front; Type: QDOVA001BB; Serial: 1026
- Measurement SW: DASY4, V4.7 Build 71; Postprocessing SW: SEMCAD, V1.8 Build 184

Ch48/Area Scan (81x251x1): Measurement grid: $dx=10\text{mm}$, $dy=10\text{mm}$
Maximum value of SAR (interpolated) = 0.272 mW/g

Ch48/Zoom Scan (8x8x8)/Cube 0: Measurement grid: $dx=4.3\text{mm}$, $dy=4.3\text{mm}$, $dz=3\text{mm}$
Reference Value = 1.04 V/m; Power Drift = 0.168 dB
Peak SAR (extrapolated) = 0.593 W/kg
SAR(1 g) = 0.149 mW/g; SAR(10 g) = 0.049 mW/g
Maximum value of SAR (measured) = 0.302 mW/g



Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab

Date: 2008/12/13

Body 802.11n Ch46 Left Side with 0cm Gap 40M ANT.ABC

DUT: 8N2104

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

Medium: MSL_5000~6000 Medium parameters used : $f = 5230 \text{ MHz}$; $\sigma = 5.38 \text{ mho/m}$; $\epsilon_r = 48.6$; $\rho = 1000 \text{ kg/m}^3$

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

DASY4 Configuration:

- Probe: EX3DV3 - SN3514; ConvF(4.34, 4.34, 4.34); Calibrated: 2008/1/31
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn577; Calibrated: 2008/11/12
- Phantom: ELI 4.0_Front; Type: QDOVA001BB; Serial: 1026
- Measurement SW: DASY4, V4.7 Build 71; Postprocessing SW: SEMCAD, V1.8 Build 184

Ch46/Area Scan (81x251x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.248 mW/g

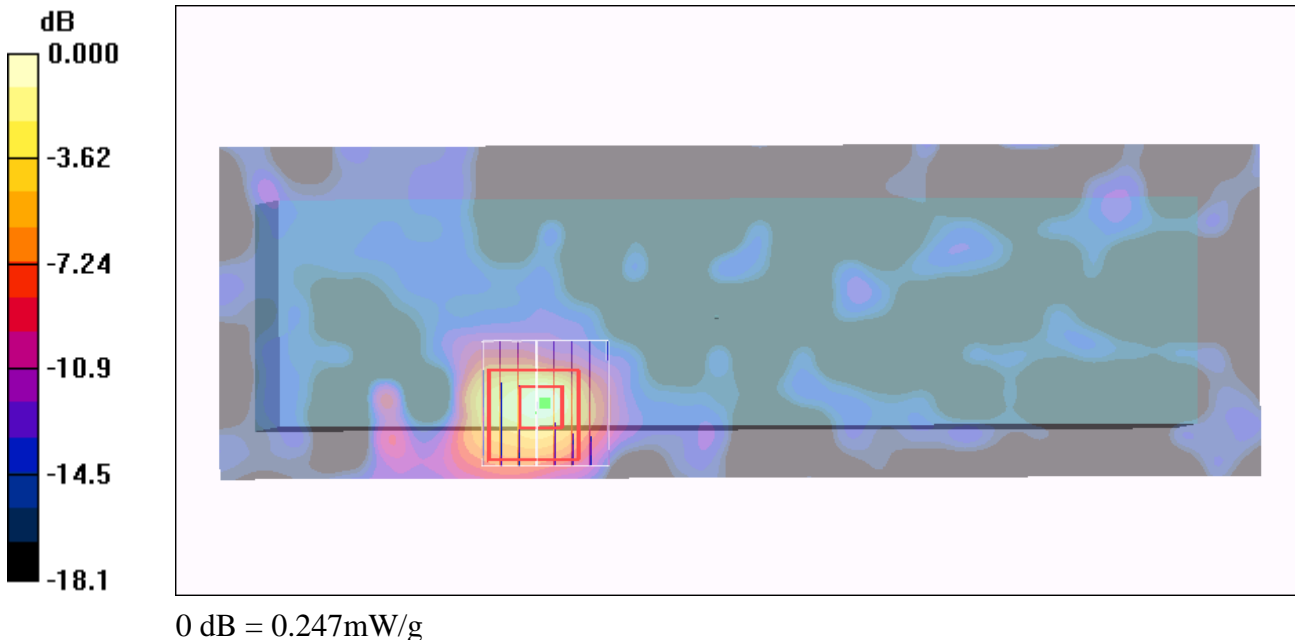
Ch46/Zoom Scan (8x8x8)/Cube 0: Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm

Reference Value = 1.22 V/m; Power Drift = 0.105 dB

Peak SAR (extrapolated) = 0.516 W/kg

SAR(1 g) = 0.123 mW/g; SAR(10 g) = 0.038 mW/g

Maximum value of SAR (measured) = 0.247 mW/g



Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab

Date: 2008/12/11

Body 802.11a Ch124 Top Side with 0cm Gap ANT.A

DUT: 8N2104

Communication System: 802.11a; Frequency: 5620 MHz; Duty Cycle: 1:1

Medium: MSL_5000~6000 Medium parameters used: $f = 5620$ MHz; $\sigma = 5.87$ mho/m; $\epsilon_r = 47.7$; $\rho = 1000$ kg/m³

Ambient Temperature : 22.4 °C; Liquid Temperature : 21.3 °C

DASY4 Configuration:

- Probe: EX3DV3 - SN3514; ConvF(4.19, 4.19, 4.19); Calibrated: 2008/1/31
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn679; Calibrated: 2008/5/21
- Phantom: ELI 4.0_Front; Type: QDOVA001BB; Serial: 1026
- Measurement SW: DASY4, V4.7 Build 71; Postprocessing SW: SEMCAD, V1.8 Build 184

Ch124/Area Scan (81x321x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.031 mW/g

Ch124/Zoom Scan (8x8x8)/Cube 1: Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm

Reference Value = 1.39 V/m; Power Drift = 0.153 dB

Peak SAR (extrapolated) = 0.048 W/kg

SAR(1 g) = 0.016 mW/g; SAR(10 g) = 0.00811 mW/g

Maximum value of SAR (measured) = 0.029 mW/g

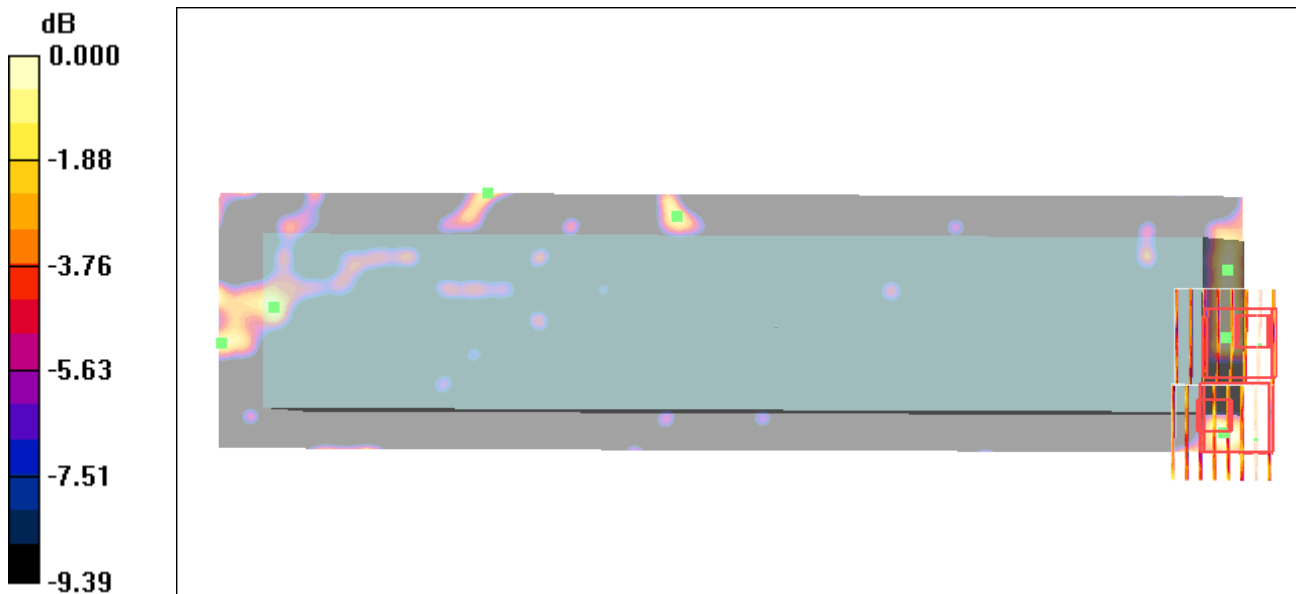
Ch124/Zoom Scan (8x8x8)/Cube 0: Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm

Reference Value = 1.39 V/m; Power Drift = 0.153 dB

Peak SAR (extrapolated) = 0.039 W/kg

SAR(1 g) = 0.013 mW/g; SAR(10 g) = 0.00863 mW/g

Maximum value of SAR (measured) = 0.026 mW/g



0 dB = 0.026mW/g

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab

Date: 2008/12/12

Body 802.11a Ch124 Top Side with 0cm Gap ANT.B

DUT: 8N2104

Communication System: 802.11a; Frequency: 5620 MHz; Duty Cycle: 1:1

Medium: MSL_5000~6000 Medium parameters used: $f = 5620$ MHz; $\sigma = 5.87$ mho/m; $\epsilon_r = 47.7$; $\rho = 1000$ kg/m³

Ambient Temperature : 22.7 °C; Liquid Temperature : 21.3 °C

DASY4 Configuration:

- Probe: EX3DV3 - SN3514; ConvF(4.19, 4.19, 4.19); Calibrated: 2008/1/31
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn679; Calibrated: 2008/5/21
- Phantom: ELI 4.0_Front; Type: QDOVA001BB; Serial: 1026
- Measurement SW: DASY4, V4.7 Build 71; Postprocessing SW: SEMCAD, V1.8 Build 184

Ch124/Area Scan (81x321x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.127 mW/g

Ch124/Zoom Scan (8x8x8)/Cube 0: Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm

Reference Value = 1.32 V/m; Power Drift = 0.155 dB

Peak SAR (extrapolated) = 0.341 W/kg

SAR(1 g) = 0.069 mW/g; SAR(10 g) = 0.028 mW/g

Maximum value of SAR (measured) = 0.131 mW/g

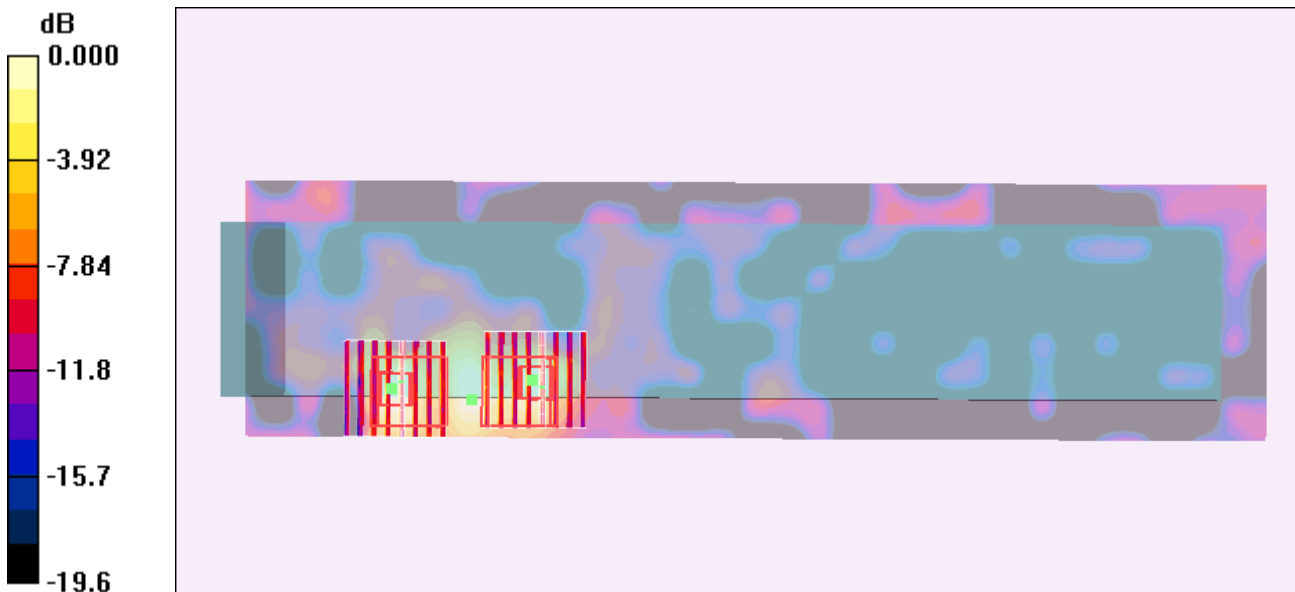
Ch124/Zoom Scan (8x8x8)/Cube 1: Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm

Reference Value = 1.32 V/m; Power Drift = 0.155 dB

Peak SAR (extrapolated) = 0.261 W/kg

SAR(1 g) = 0.061 mW/g; SAR(10 g) = 0.024 mW/g

Maximum value of SAR (measured) = 0.124 mW/g



0 dB = 0.124mW/g

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab

Date: 2008/12/12

Body 802.11a Ch124 Left Side with 0cm Gap ANT.C

DUT: 8N2104

Communication System: 802.11a; Frequency: 5620 MHz; Duty Cycle: 1:1

Medium: MSL_5000~6000 Medium parameters used: $f = 5620$ MHz; $\sigma = 5.87$ mho/m; $\epsilon_r = 47.7$; $\rho = 1000$ kg/m³

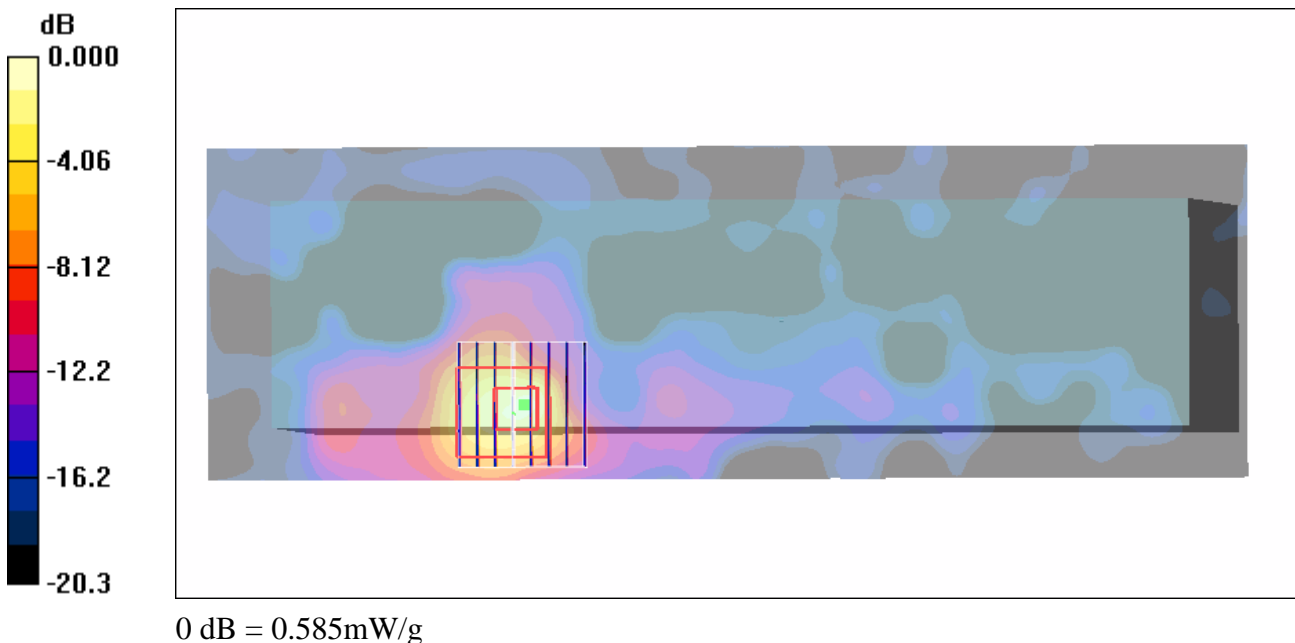
Ambient Temperature : 22.4 °C; Liquid Temperature : 21.3 °C

DASY4 Configuration:

- Probe: EX3DV3 - SN3514; ConvF(4.19, 4.19, 4.19); Calibrated: 2008/1/31
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn679; Calibrated: 2008/5/21
- Phantom: ELI 4.0_Front; Type: QDOVA001BB; Serial: 1026
- Measurement SW: DASY4, V4.7 Build 71; Postprocessing SW: SEMCAD, V1.8 Build 184

Ch124/Area Scan (81x251x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.482 mW/g

Ch124/Zoom Scan (8x8x8)/Cube 0: Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm
Reference Value = 1.10 V/m; Power Drift = 0.135 dB
Peak SAR (extrapolated) = 1.18 W/kg
SAR(1 g) = 0.286 mW/g; SAR(10 g) = 0.092 mW/g
Maximum value of SAR (measured) = 0.585 mW/g



Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab

Date: 2008/12/13

1.1.1 Body 802.11a Ch104 Left Side with 0cm Gap ANT C

DUT: 8N2104

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

Medium: MSL_5000~6000 Medium parameters used : f = 5520 MHz; $\sigma = 5.75$ mho/m; $\epsilon_r = 48$; $\rho = 1000$ kg/m³

Ambient Temperature : 22.3 °C; Liquid Temperature : 21.5 °C

DASY4 Configuration:

- Probe: EX3DV3 - SN3514; ConvF(3.98, 3.98, 3.98); Calibrated: 2008/1/31
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn577; Calibrated: 2008/11/12
- Phantom: ELI 4.0_Front; Type: QDOVA001BB; Serial: 1026
- Measurement SW: DASY4, V4.7 Build 71; Postprocessing SW: SEMCAD, V1.8 Build 184

Ch104/Area Scan (81x251x1): Measurement grid: dx=10mm, dy=10mm

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

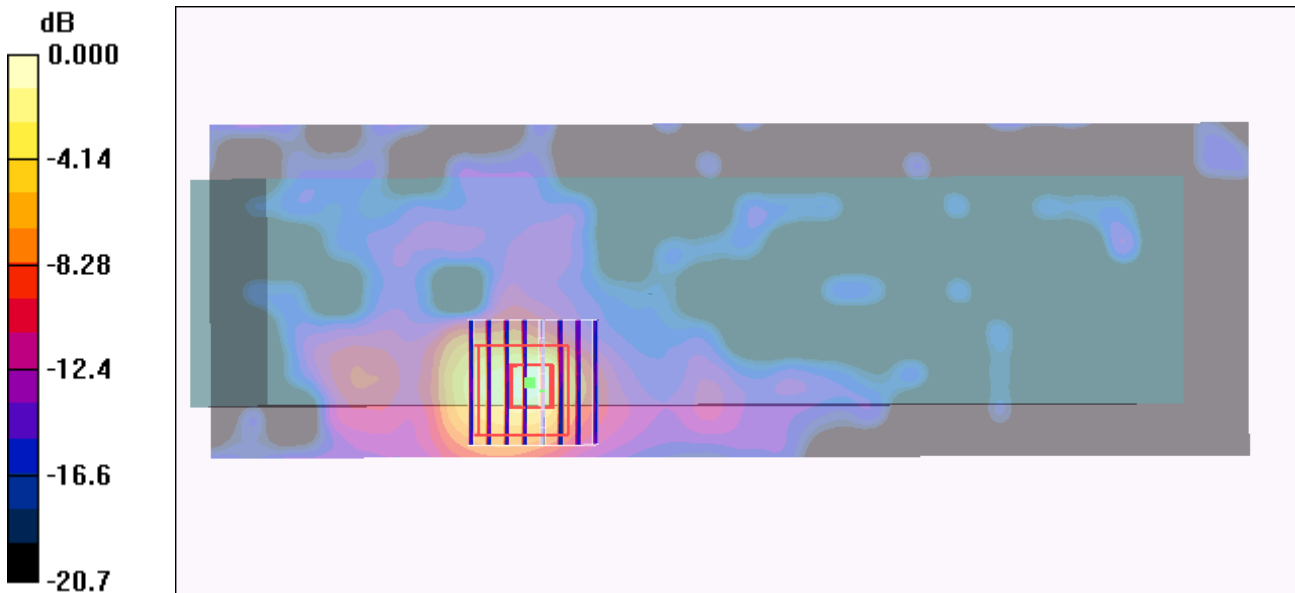
Ch104/Zoom Scan (8x8x8)/Cube 0: Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm

Reference Value = 1.46 V/m; Power Drift = 0.187 dB

Peak SAR (extrapolated) = 0.876 W/kg

SAR(1 g) = 0.197 mW/g; SAR(10 g) = 0.064 mW/g

Maximum value of SAR (measured) = 0.392 mW/g



0 dB = 0.392mW/g

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab

Date: 2008/12/13

Body 802.11a Ch116 Left Side with 0cm Gap ANT C

DUT: 8N2104

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

Medium: MSL_5000~6000 Medium parameters used : f = 5580 MHz; σ = 5.82 mho/m; ϵ_r = 47.8; ρ = 1000 kg/m³

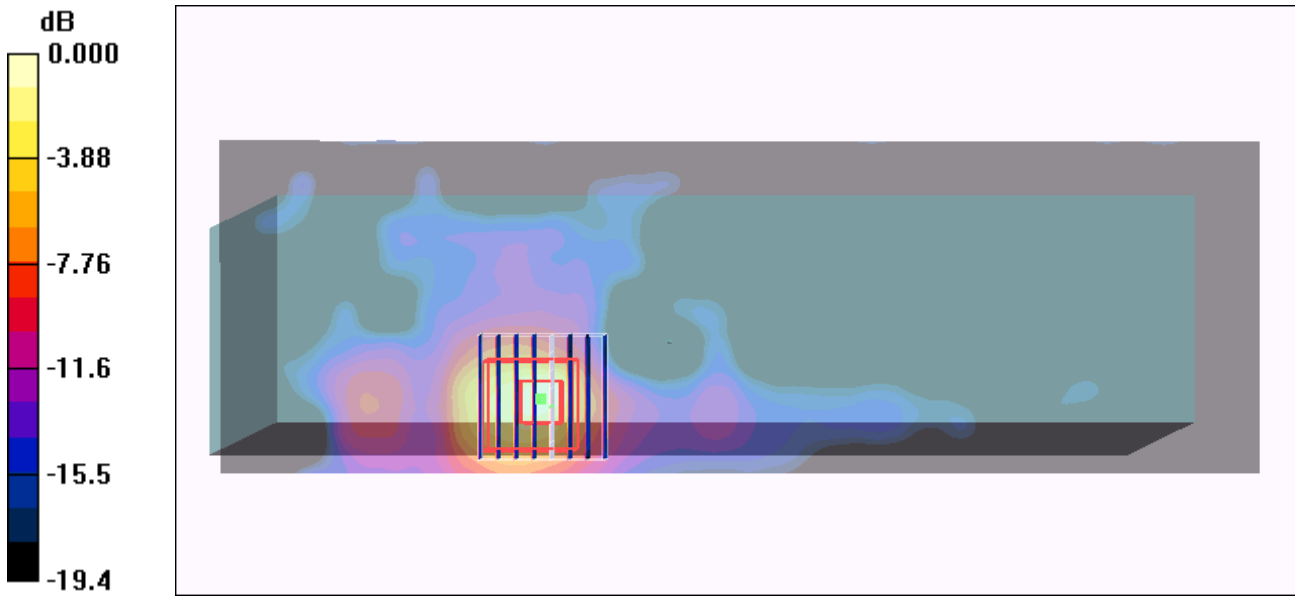
Ambient Temperature : 22.5 °C; Liquid Temperature : 21.5 °C

DASY4 Configuration:

- Probe: EX3DV3 - SN3514; ConvF(4.19, 4.19, 4.19); Calibrated: 2008/1/31
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn577; Calibrated: 2008/11/12
- Phantom: ELI 4.0_Front; Type: QDOVA001BB; Serial: 1026
- Measurement SW: DASY4, V4.7 Build 71; Postprocessing SW: SEMCAD, V1.8 Build 184

Ch116/Area Scan (81x251x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.499 mW/g

Ch116/Zoom Scan (8x8x8)/Cube 0: Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm
Reference Value = 1.08 V/m; Power Drift = 0.120 dB
Peak SAR (extrapolated) = 1.06 W/kg
SAR(1 g) = 0.240 mW/g; SAR(10 g) = 0.078 mW/g
Maximum value of SAR (measured) = 0.483 mW/g



0 dB = 0.483mW/g

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab

Date: 2008/12/13

Body 802.11a Ch136 Left Side with 0cm Gap ANT C

DUT: 8N2104

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

Medium: MSL_5000~6000 Medium parameters used : f = 5680 MHz; $\sigma = 5.94$ mho/m; $\epsilon_r = 47.5$; $\rho = 1000$ kg/m³

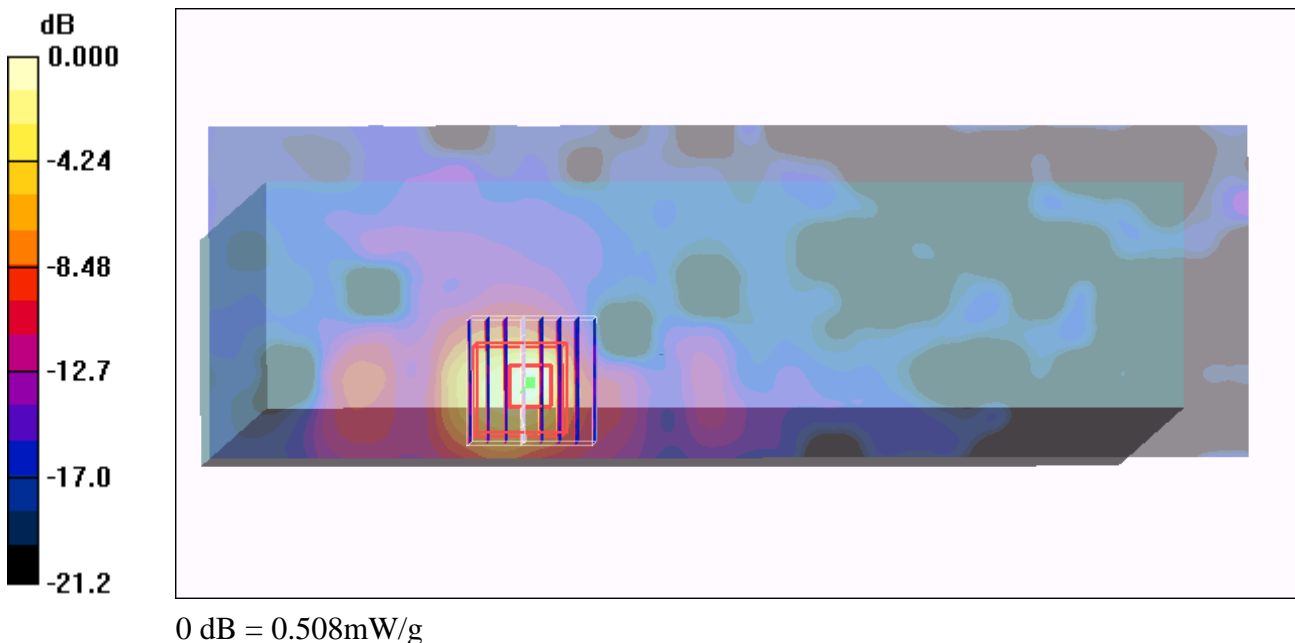
Ambient Temperature : 22.8 °C; Liquid Temperature : 21.5 °C

DASY4 Configuration:

- Probe: EX3DV3 - SN3514; ConvF(4.19, 4.19, 4.19); Calibrated: 2008/1/31
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn577; Calibrated: 2008/11/12
- Phantom: ELI 4.0_Front; Type: QDOVA001BB; Serial: 1026
- Measurement SW: DASY4, V4.7 Build 71; Postprocessing SW: SEMCAD, V1.8 Build 184

Ch136/Area Scan (81x251x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.525 mW/g

Ch136/Zoom Scan (8x8x8)/Cube 0: Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm
Reference Value = 1.34 V/m; Power Drift = 0.126 dB
Peak SAR (extrapolated) = 1.19 W/kg
SAR(1 g) = 0.254 mW/g; SAR(10 g) = 0.081 mW/g
Maximum value of SAR (measured) = 0.508 mW/g



Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab

Date: 2008/12/13

Body 802.11n Ch124 Left Side with 0cm Gap 20M ANT.ABC

DUT: 8N2104

Communication System: 802.11n; Frequency: 5620 MHz; Duty Cycle: 1:1

Medium: MSL_5000~6000 Medium parameters used : $f = 5620 \text{ MHz}$; $\sigma = 5.87 \text{ mho/m}$; $\epsilon_r = 47.7$; $\rho = 1000 \text{ kg/m}^3$

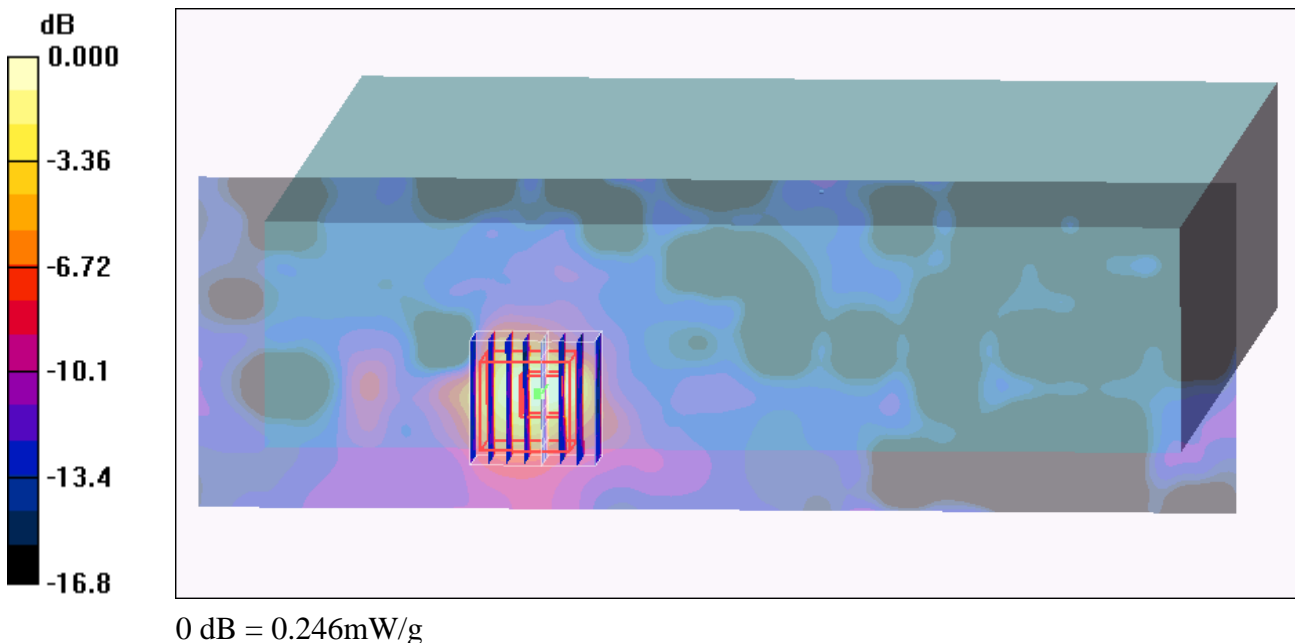
Ambient Temperature : 22.6 °C; Liquid Temperature : 21.4 °C

DASY4 Configuration:

- Probe: EX3DV3 - SN3514; ConvF(4.19, 4.19, 4.19); Calibrated: 2008/1/31
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn577; Calibrated: 2008/11/12
- Phantom: ELI 4.0_Front; Type: QDOVA001BB; Serial: 1026
- Measurement SW: DASY4, V4.7 Build 71; Postprocessing SW: SEMCAD, V1.8 Build 184

Ch124/Area Scan (81x251x1): Measurement grid: $dx=10\text{mm}$, $dy=10\text{mm}$
Maximum value of SAR (interpolated) = 0.237 mW/g

Ch124/Zoom Scan (8x8x8)/Cube 0: Measurement grid: $dx=4.3\text{mm}$, $dy=4.3\text{mm}$, $dz=3\text{mm}$
Reference Value = 1.46 V/m; Power Drift = 0.132 dB
Peak SAR (extrapolated) = 0.574 W/kg
SAR(1 g) = 0.125 mW/g; SAR(10 g) = 0.044 mW/g
Maximum value of SAR (measured) = 0.246 mW/g



Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab

Date: 2008/12/11

Body 802.11a Ch157 Top Side with 0cm Gap ANT.A

DUT: 8N2104

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

Medium: MSL_5000~6000 Medium parameters used: $f = 5785 \text{ MHz}$; $\sigma = 6.09 \text{ mho/m}$; $\epsilon_r = 47.4$; $\rho = 1000 \text{ kg/m}^3$

Ambient Temperature : 22.2 °C; Liquid Temperature : 21.3 °C

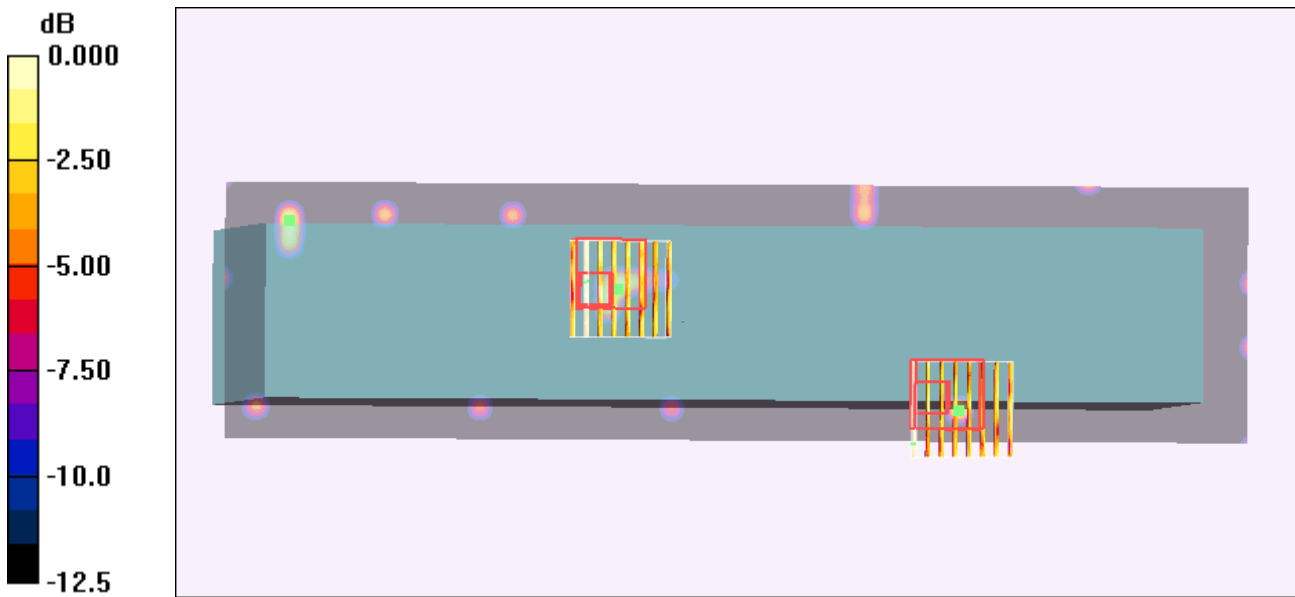
DASY4 Configuration:

- Probe: EX3DV3 - SN3514; ConvF(4.2, 4.2, 4.2); Calibrated: 2008/1/31
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn679; Calibrated: 2008/5/21
- Phantom: ELI 4.0_Front; Type: QDOVA001BB; Serial: 1026
- Measurement SW: DASY4, V4.7 Build 71; Postprocessing SW: SEMCAD, V1.8 Build 184

Ch157/Area Scan (81x321x1): Measurement grid: $dx=10\text{mm}$, $dy=10\text{mm}$
 Maximum value of SAR (interpolated) = 0.021 mW/g

Ch157/Zoom Scan (8x8x8)/Cube 0: Measurement grid: $dx=4.3\text{mm}$, $dy=4.3\text{mm}$, $dz=3\text{mm}$
 Reference Value = 0.896 V/m; Power Drift = 0.121 dB
 Peak SAR (extrapolated) = 0.035 W/kg
SAR(1 g) = 0.017 mW/g; SAR(10 g) = 0.012 mW/g
 Maximum value of SAR (measured) = 0.035 mW/g

Ch157/Zoom Scan (8x8x8)/Cube 1: Measurement grid: $dx=4.3\text{mm}$, $dy=4.3\text{mm}$, $dz=3\text{mm}$
 Reference Value = 0.896 V/m; Power Drift = 0.121 dB
 Peak SAR (extrapolated) = 0.031 W/kg
SAR(1 g) = 0.016 mW/g; SAR(10 g) = 0.00985 mW/g
 Maximum value of SAR (measured) = 0.024 mW/g



0 dB = 0.024mW/g

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab

Date: 2008/12/12

Body 802.11a Ch157 Top Side with 0cm Gap ANT.B

DUT: 8N2104

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

Medium: MSL_5000~6000 Medium parameters used: f = 5785 MHz; σ = 6.09 mho/m; ϵ_r = 47.4; ρ = 1000 kg/m³

Ambient Temperature : 22.4 °C; Liquid Temperature : 21.3 °C

DASY4 Configuration:

- Probe: EX3DV3 - SN3514; ConvF(4.2, 4.2, 4.2); Calibrated: 2008/1/31
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn679; Calibrated: 2008/5/21
- Phantom: ELI 4.0_Front; Type: QDOVA001BB; Serial: 1026
- Measurement SW: DASY4, V4.7 Build 71; Postprocessing SW: SEMCAD, V1.8 Build 184

Ch157/Area Scan (81x321x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.103 mW/g

Ch157/Zoom Scan (8x8x8)/Cube 0: Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm

Reference Value = 1.27 V/m; Power Drift = -0.134 dB

Peak SAR (extrapolated) = 0.300 W/kg

SAR(1 g) = 0.053 mW/g; SAR(10 g) = 0.022 mW/g

Maximum value of SAR (measured) = 0.116 mW/g

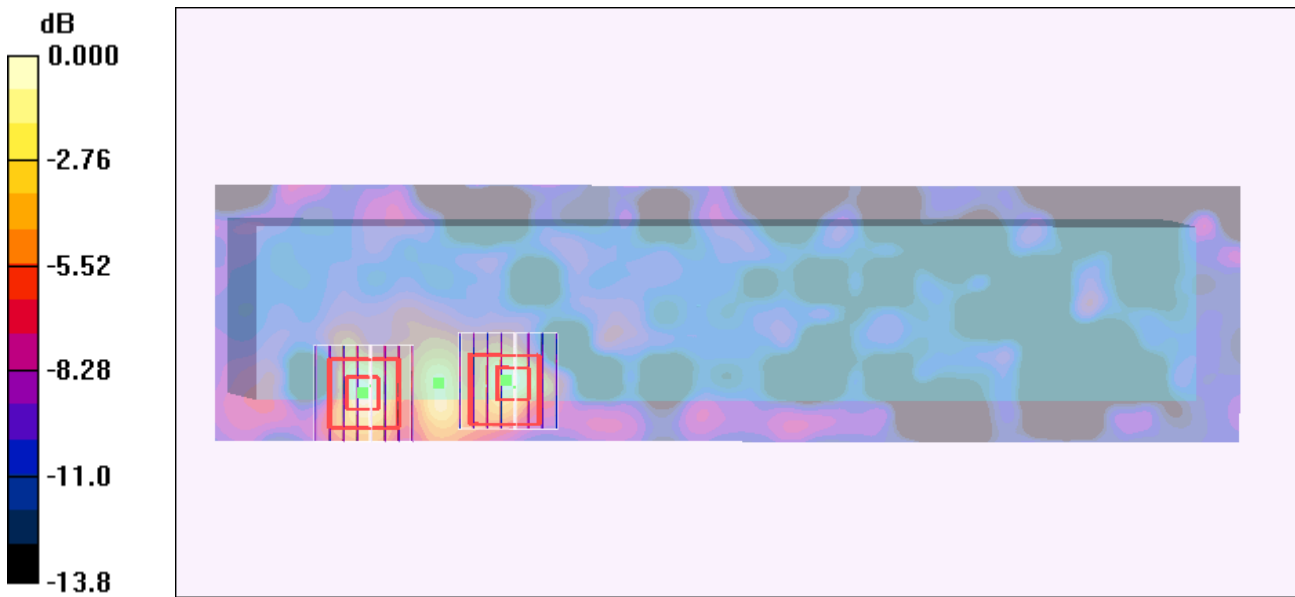
Ch157/Zoom Scan (8x8x8)/Cube 1: Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm

Reference Value = 1.27 V/m; Power Drift = -0.134 dB

Peak SAR (extrapolated) = 0.210 W/kg

SAR(1 g) = 0.053 mW/g; SAR(10 g) = 0.021 mW/g

Maximum value of SAR (measured) = 0.109 mW/g



0 dB = 0.109mW/g

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab

Date: 2008/12/12

Body 802.11a Ch157 Left Side with 0cm Gap ANT.C

DUT: 8N2104

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

Medium: MSL_5000~6000 Medium parameters used: $f = 5785 \text{ MHz}$; $\sigma = 6.09 \text{ mho/m}$; $\epsilon_r = 47.4$; $\rho = 1000 \text{ kg/m}^3$

Ambient Temperature : 22.5 °C; Liquid Temperature : 21.3 °C

DASY4 Configuration:

- Probe: EX3DV3 - SN3514; ConvF(4.2, 4.2, 4.2); Calibrated: 2008/1/31
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn679; Calibrated: 2008/5/21
- Phantom: ELI 4.0_Front; Type: QDOVA001BB; Serial: 1026
- Measurement SW: DASY4, V4.7 Build 71; Postprocessing SW: SEMCAD, V1.8 Build 184

Ch157/Area Scan (81x251x1): Measurement grid: $dx=10\text{mm}$, $dy=10\text{mm}$
Maximum value of SAR (interpolated) = 0.276 mW/g

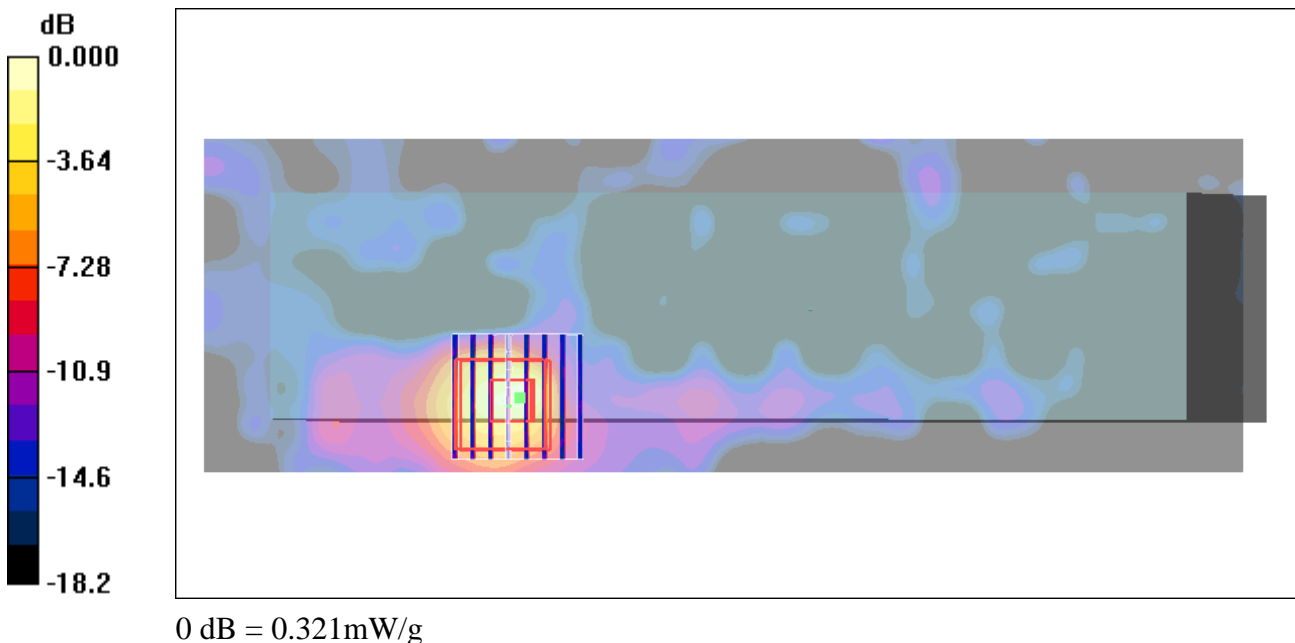
Ch157/Zoom Scan (8x8x8)/Cube 0: Measurement grid: $dx=4.3\text{mm}$, $dy=4.3\text{mm}$, $dz=3\text{mm}$

Reference Value = 0.725 V/m; Power Drift = 0.132 dB

Peak SAR (extrapolated) = 0.737 W/kg

SAR(1 g) = 0.157 mW/g; SAR(10 g) = 0.051 mW/g

Maximum value of SAR (measured) = 0.321 mW/g



Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab

Date: 2008/12/13

Body 802.11a Ch149 Left Side with 0cm Gap ANT C

DUT: 8N2104

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

Medium: MSL_5000~6000 Medium parameters used : $f = 5745 \text{ MHz}$; $\sigma = 6.05 \text{ mho/m}$; $\epsilon_r = 47.5$; $\rho = 1000 \text{ kg/m}^3$

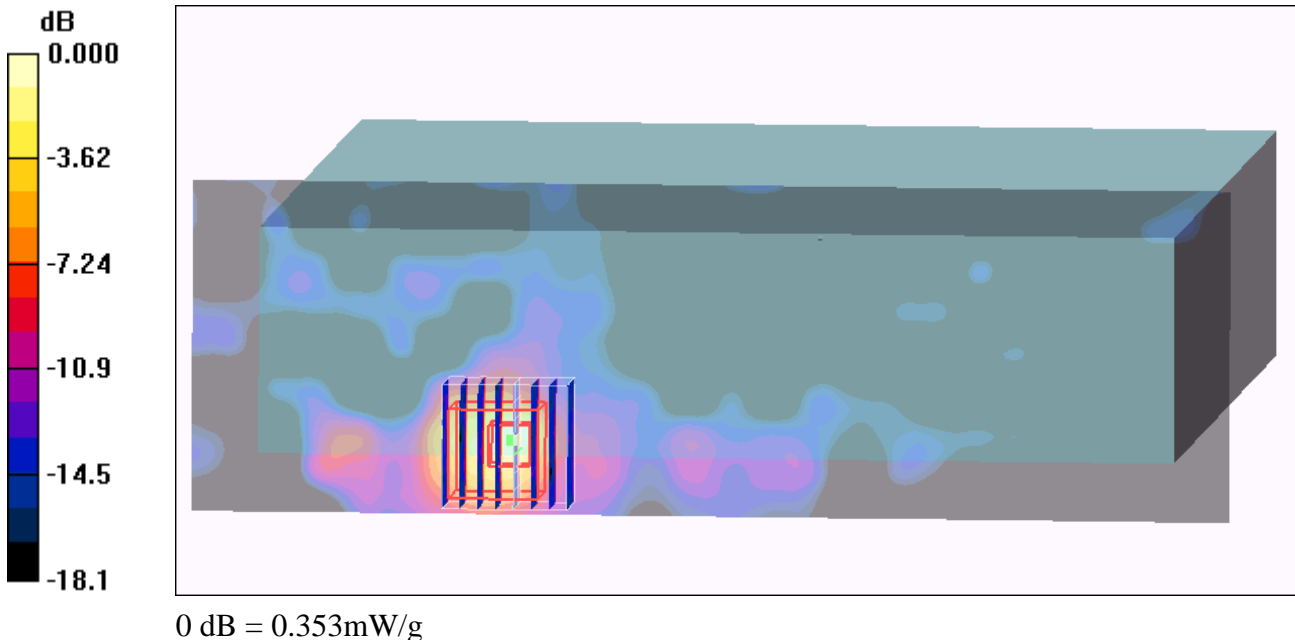
Ambient Temperature : 22.6 °C; Liquid Temperature : 21.5 °C

DASY4 Configuration:

- Probe: EX3DV3 - SN3514; ConvF(4.2, 4.2, 4.2); Calibrated: 2008/1/31
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn577; Calibrated: 2008/11/12
- Phantom: ELI 4.0_Front; Type: QDOVA001BB; Serial: 1026
- Measurement SW: DASY4, V4.7 Build 71; Postprocessing SW: SEMCAD, V1.8 Build 184

Ch149/Area Scan (81x251x1): Measurement grid: $dx=10\text{mm}$, $dy=10\text{mm}$
Maximum value of SAR (interpolated) = 0.370 mW/g

Ch149/Zoom Scan (8x8x8)/Cube 0: Measurement grid: $dx=4.3\text{mm}$, $dy=4.3\text{mm}$, $dz=3\text{mm}$
Reference Value = 1.18 V/m; Power Drift = 0.151 dB
Peak SAR (extrapolated) = 0.881 W/kg
SAR(1 g) = 0.177 mW/g; SAR(10 g) = 0.058 mW/g
Maximum value of SAR (measured) = 0.353 mW/g



Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab

Date: 2008/12/13

Body 802.11a Ch165 Left Side with 0cm Gap ANT C

DUT: 8N2104

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

Medium: MSL_5000~6000 Medium parameters used : $f = 5825 \text{ MHz}$; $\sigma = 6.13 \text{ mho/m}$; $\epsilon_r = 47.2$; $\rho = 1000 \text{ kg/m}^3$

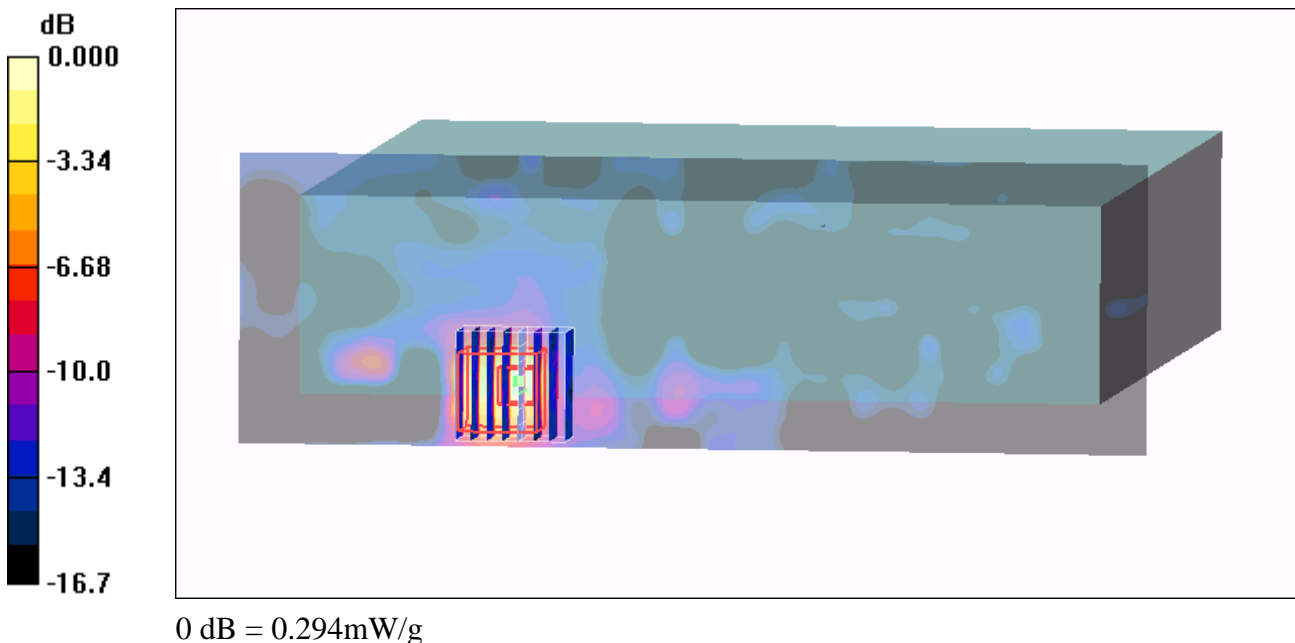
Ambient Temperature : 22.6 °C; Liquid Temperature : 21.5 °C

DASY4 Configuration:

- Probe: EX3DV3 - SN3514; ConvF(4.2, 4.2, 4.2); Calibrated: 2008/1/31
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn577; Calibrated: 2008/11/12
- Phantom: ELI 4.0_Front; Type: QDOVA001BB; Serial: 1026
- Measurement SW: DASY4, V4.7 Build 71; Postprocessing SW: SEMCAD, V1.8 Build 184

Ch165/Area Scan (81x251x1): Measurement grid: $dx=10\text{mm}$, $dy=10\text{mm}$
Maximum value of SAR (interpolated) = 0.322 mW/g

Ch165/Zoom Scan (8x8x8)/Cube 0: Measurement grid: $dx=4.3\text{mm}$, $dy=4.3\text{mm}$, $dz=3\text{mm}$
Reference Value = 1.38 V/m; Power Drift = 0.158 dB
Peak SAR (extrapolated) = 0.793 W/kg
SAR(1 g) = 0.148 mW/g; SAR(10 g) = 0.051 mW/g
Maximum value of SAR (measured) = 0.294 mW/g



Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab

Date: 2008/12/13

Body 802.11n Ch157 Left Side with 0cm Gap 20M ANT.ABC

DUT: 8N2104

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

Medium: MSL_5000~6000 Medium parameters used : $f = 5785 \text{ MHz}$; $\sigma = 6.09 \text{ mho/m}$; $\epsilon_r = 47.4$; $\rho = 1000 \text{ kg/m}^3$

Ambient Temperature : $22.6 \text{ }^\circ\text{C}$; Liquid Temperature : $21.5 \text{ }^\circ\text{C}$

DASY4 Configuration:

- Probe: EX3DV3 - SN3514; ConvF(4.2, 4.2, 4.2); Calibrated: 2008/1/31
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn577; Calibrated: 2008/11/12
- Phantom: ELI 4.0_Front; Type: QDOVA001BB; Serial: 1026
- Measurement SW: DASY4, V4.7 Build 71; Postprocessing SW: SEMCAD, V1.8 Build 184

Ch157/Area Scan (81x251x1): Measurement grid: $dx=10\text{mm}$, $dy=10\text{mm}$

Maximum value of SAR (interpolated) = 0.134 mW/g

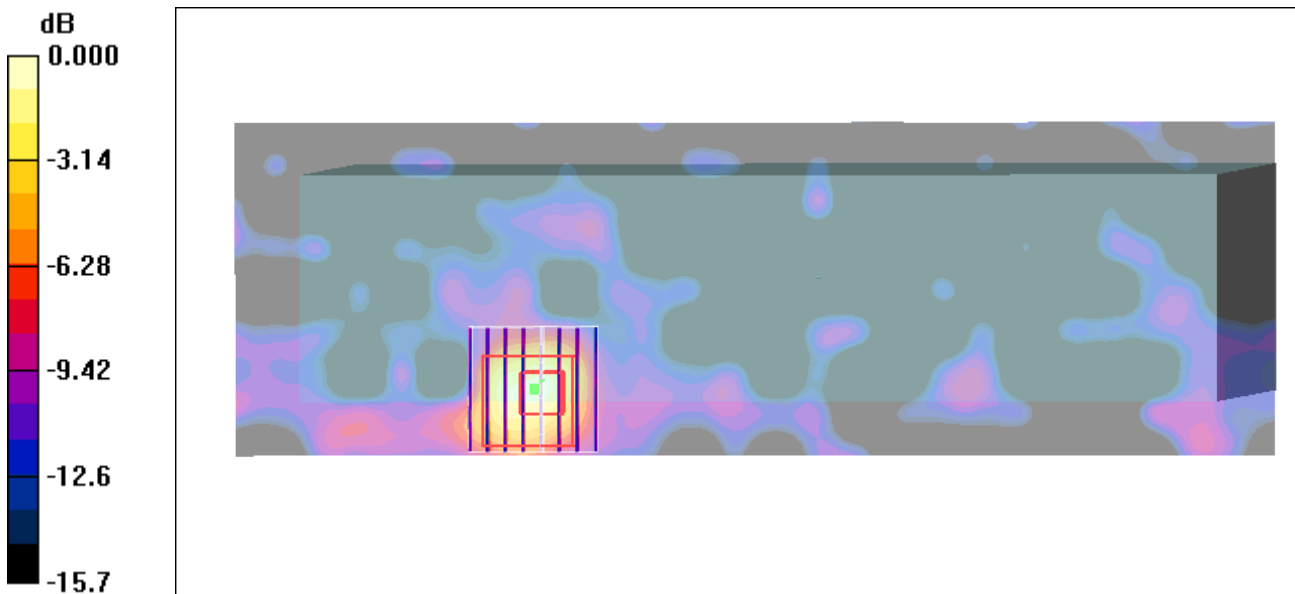
Ch157/Zoom Scan (8x8x8)/Cube 0: Measurement grid: $dx=4.3\text{mm}$, $dy=4.3\text{mm}$, $dz=3\text{mm}$

Reference Value = 1.21 V/m ; Power Drift = -0.159 dB

Peak SAR (extrapolated) = 0.281 W/kg

SAR(1 g) = 0.074 mW/g ; SAR(10 g) = 0.028 mW/g

Maximum value of SAR (measured) = 0.150 mW/g



0 dB = 0.150mW/g