

APPENDIX B PLOTS OF THE SAR MEASUREMENTS

Plots of the measured SAR distributions inside the phantom are given in this Appendix for all tested configurations. The spatial peak SAR values were assessed with the procedure described in this report.

Table 24 5200 MHz Band SAR Measurement Plot Numbers

Test Position	Plot No.	Ant	Bit rate Mode (Mbps)	Channel Bandwidth (MHz)	Test Channel
Edge on Secondary Landscape	1	A	MCS0	40	38
	2				46
	3				54
	4				62
	5	B			38
	6				46
	7				54
	8				62

Table 25 5600 MHz Band SAR Measurement Plot Numbers

Test Position	Plot No.	Ant	Bit rate Mode (Mbps)	Channel Bandwidth (MHz)	Test Channel
Edge on Secondary Landscape	9	A	MCS0	40	104
	10				116
	11				124
	12				136
	13	B			104
	14				116
	15				124
	16				136

Table 26 System verification Plots

Plot 17	System verification 5200 MHz 18 th June 2010
Plot 18	System verification 5500 MHz 17 th June 2010



Test Date: 18 June 2010

File Name: M1005100 Edge On Secondary Landscape OFDM MCS0 (40MHz) 5.2 GHz Ant A (Main - 1) (-2dB) 18-06-10.da4

DUT: **Fujitsu Notebook Souther with Atheros 11abgn and Bluetooth; Type: HB92; Serial: MAC: 001B9E-C850F3**

* Communication System: OFDM 5200 MHz; Frequency: 5190 MHz; Duty Cycle: 1:1

* Medium parameters used: $f = 5196$ MHz; $\sigma = 5.14$ mho/m; $\epsilon_r = 45.3$; $\rho = 1000$ kg/m³

- Electronics: DAE3 Sn442; Probe: EX3DV4 - SN3563; ConvF(3.92, 3.92, 3.92)

- Phantom: Flat Phantom 10.1; Serial: P 10.1; Phantom section: Flat 2.2 Section

Channel 038 Test/Area Scan (101x141x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 2.11 mW/g

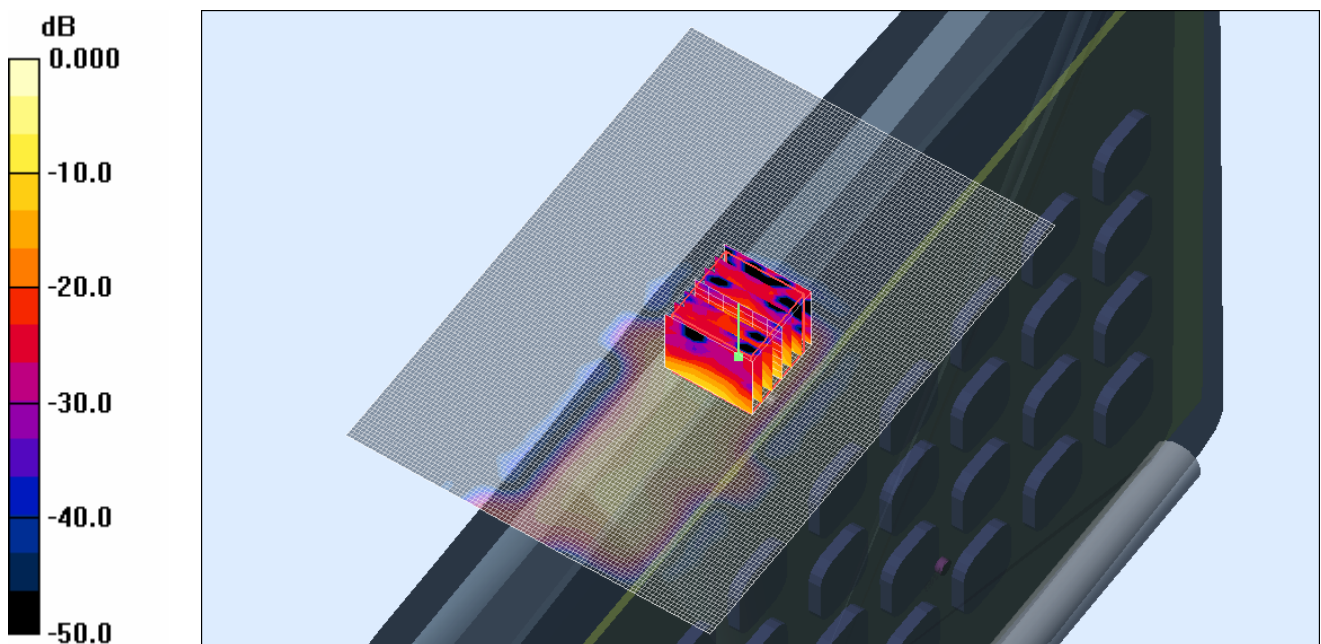
Channel 038 Test/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 5.01 V/m; Power Drift = -0.175 dB

Peak SAR (extrapolated) = 4.16 W/kg

SAR(1 g) = 0.928 mW/g; SAR(10 g) = 0.199 mW/g

Maximum value of SAR (measured) = 2.14 mW/g

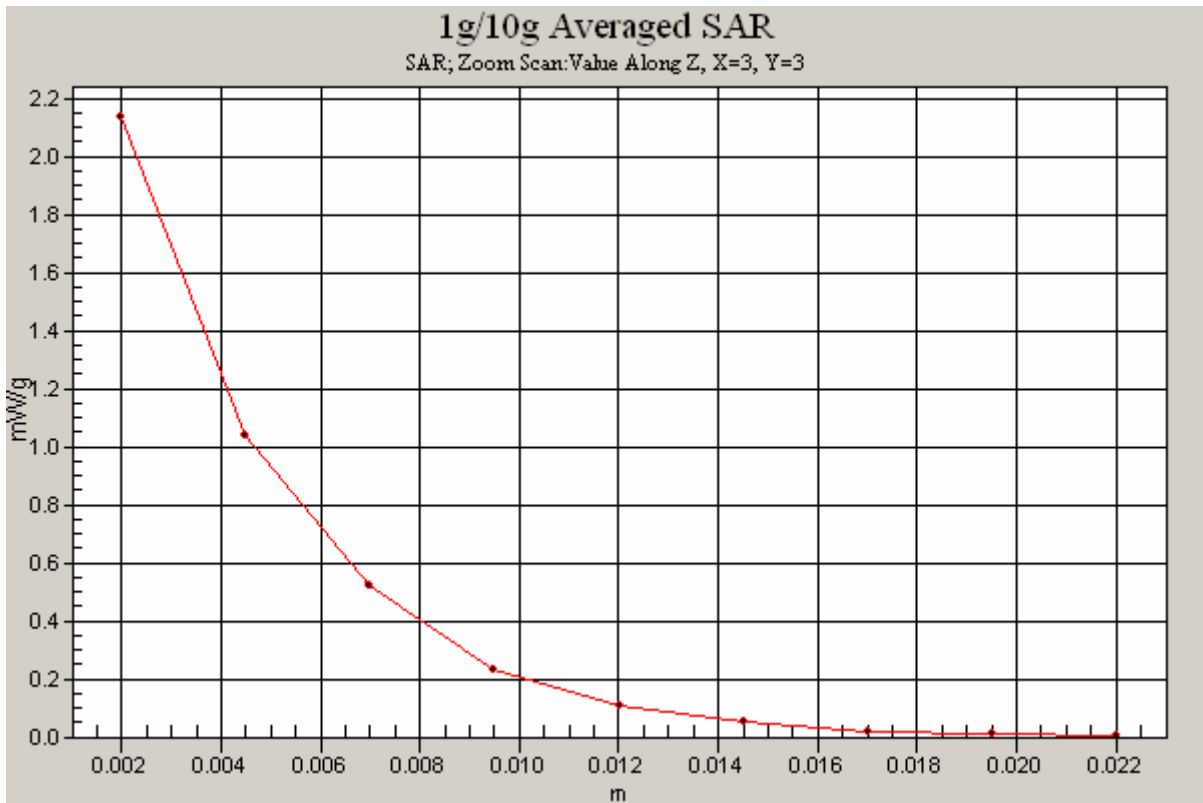


SAR MEASUREMENT PLOT 1

Ambient Temperature
Liquid Temperature
Humidity

20.9 Degrees Celsius
20.6 Degrees Celsius
45.0 %





Test Date: 18 June 2010

File Name: M1005100 Edge On Secondary Landscape OFDM MCS0 (40MHz) 5.2 GHz Ant A (Main - 1) (-2dB) 18-06-10.da4

DUT: Fujitsu Notebook Souther with Atheros 11abgn and Bluetooth; Type: HB92; Serial: MAC: 001B9E-C850F3

* Communication System: OFDM 5200 MHz; Frequency: 5230 MHz; Duty Cycle: 1:1

* Medium parameters used: $f = 5228$ MHz; $\sigma = 5.2$ mho/m; $\epsilon_r = 45.2$; $\rho = 1000$ kg/m³

- Electronics: DAE3 Sn442; Probe: EX3DV4 - SN3563; ConvF(3.92, 3.92, 3.92)

- Phantom: Flat Phantom 10.1; Serial: P 10.1; Phantom section: Flat 2.2 Section

Channel 046 Test/Area Scan (101x141x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 2.52 mW/g

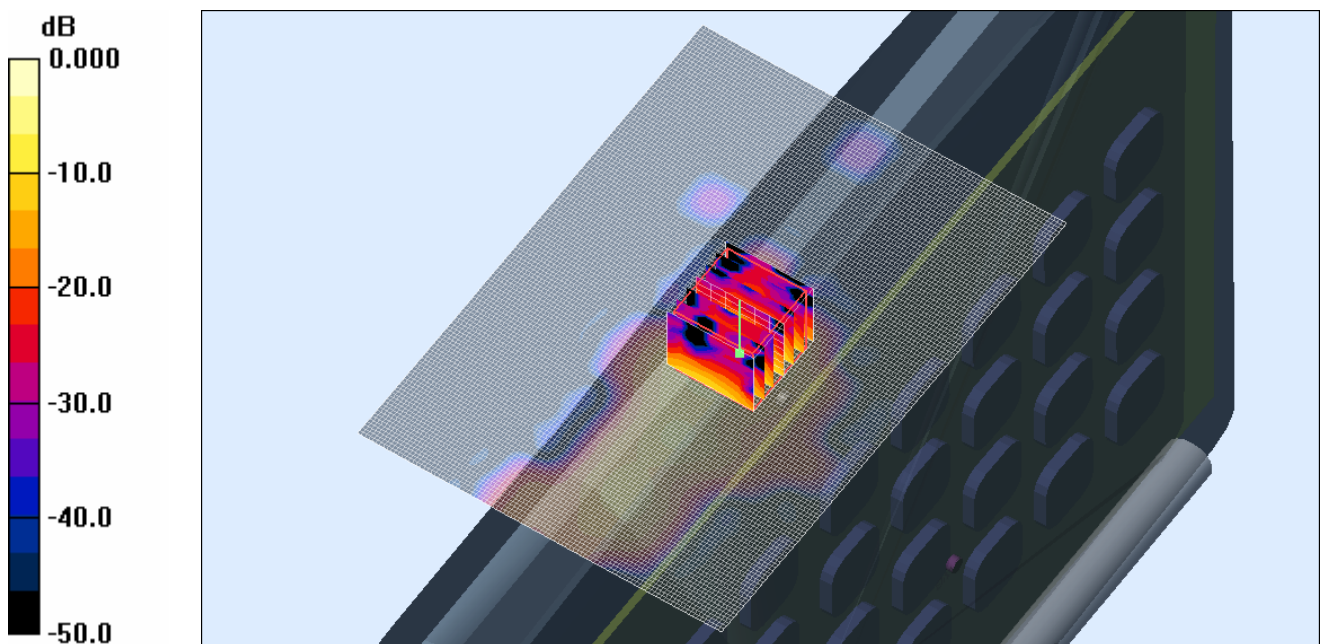
Channel 046 Test/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 9.02 V/m; Power Drift = -0.149 dB

Peak SAR (extrapolated) = 5.50 W/kg

SAR(1 g) = 1.24 mW/g; SAR(10 g) = 0.270 mW/g

Maximum value of SAR (measured) = 2.85 mW/g

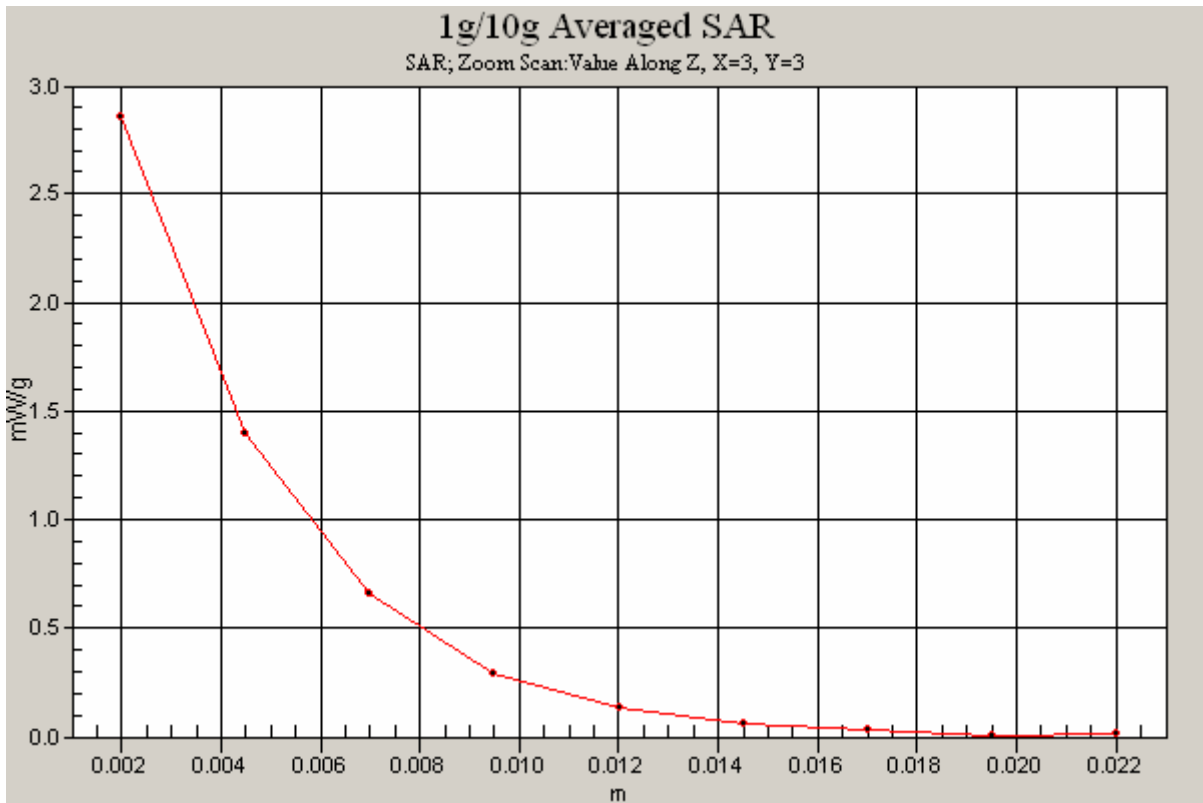


SAR MEASUREMENT PLOT 2

Ambient Temperature
Liquid Temperature
Humidity

20.9 Degrees Celsius
20.6 Degrees Celsius
45.0 %





Test Date: 18 June 2010

File Name: M1005100 Edge On Secondary Landscape OFDM MCS0 (40MHz) 5.2 GHz Ant A (Main - 1) (-2dB) 18-06-10.da4

DUT: **Fujitsu Notebook Souther with Atheros 11abgn and Bluetooth; Type: HB92; Serial: MAC: 001B9E-C850F3**

* Communication System: OFDM 5200 MHz; Frequency: 5270 MHz; Duty Cycle: 1:1

* Medium parameters used: $f = 5276$ MHz; $\sigma = 5.29$ mho/m; $\epsilon_r = 45$; $\rho = 1000$ kg/m³

- Electronics: DAE3 Sn442; Probe: EX3DV4 - SN3563; ConvF(3.92, 3.92, 3.92)

- Phantom: Flat Phantom 10.1; Serial: P 10.1; Phantom section: Flat 2.2 Section

Channel 054 Test/Area Scan (101x141x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 2.80 mW/g

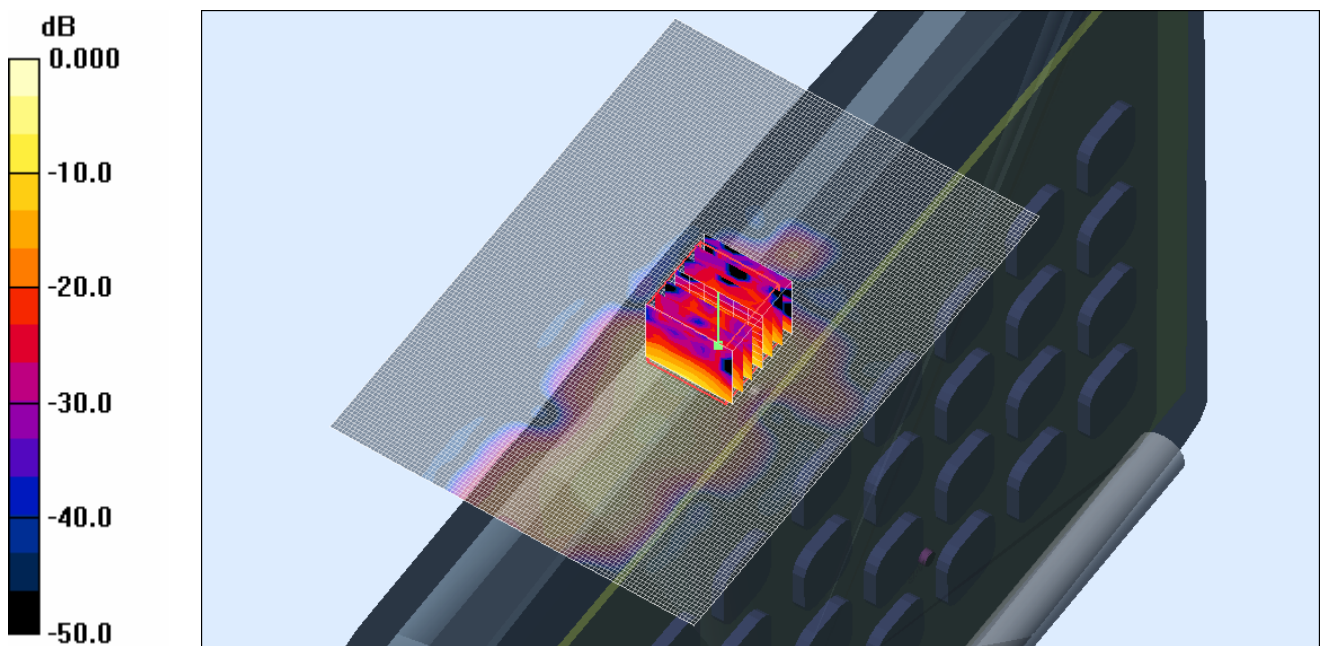
Channel 054 Test/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 8.70 V/m; Power Drift = -0.365 dB

Peak SAR (extrapolated) = 5.70 W/kg

SAR(1 g) = 1.25 mW/g; SAR(10 g) = 0.274 mW/g

Maximum value of SAR (measured) = 2.85 mW/g

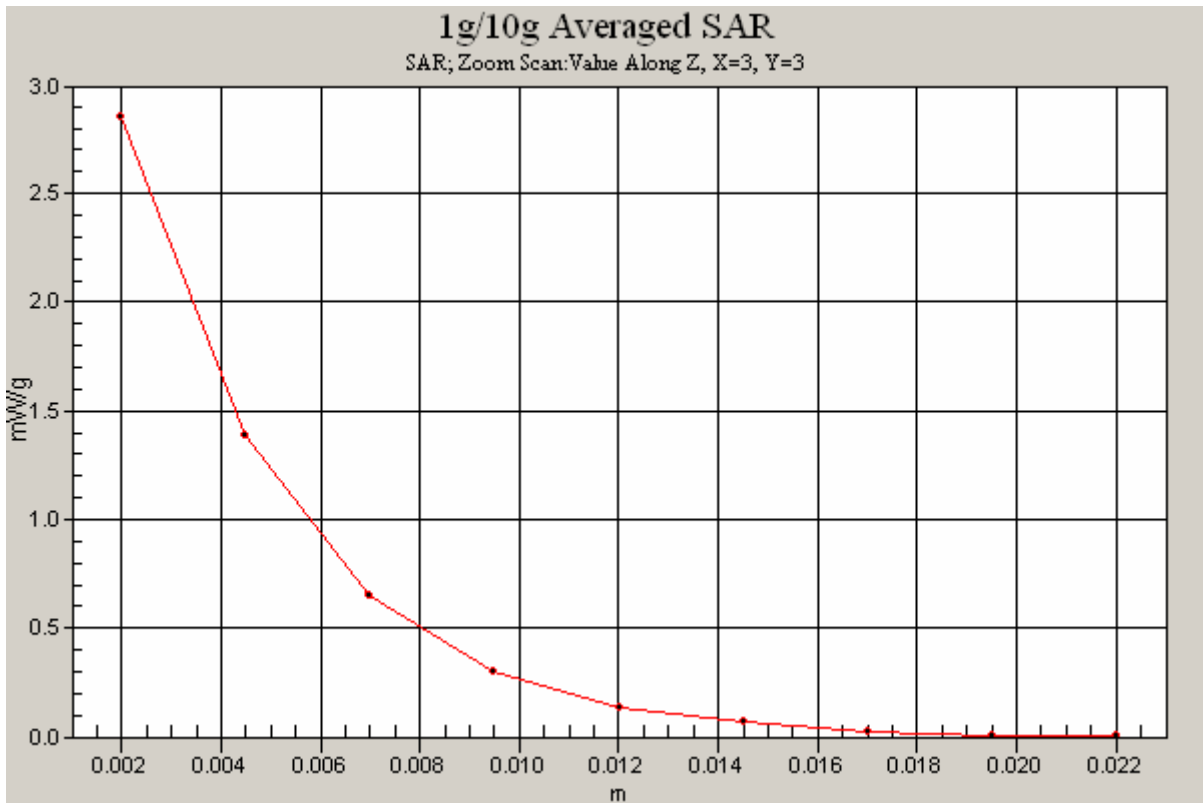


SAR MEASUREMENT PLOT 3

Ambient Temperature
Liquid Temperature
Humidity

20.9 Degrees Celsius
20.6 Degrees Celsius
45.0 %





Test Date: 18 June 2010

File Name: M1005100 Edge On Secondary Landscape OFDM MCS0 (40MHz) 5.2 GHz Ant A (Main - 1) (-2dB) 18-06-10.da4

DUT: **Fujitsu Notebook Souther with Atheros 11abgn and Bluetooth; Type: HB92; Serial: MAC: 001B9E-C850F3**

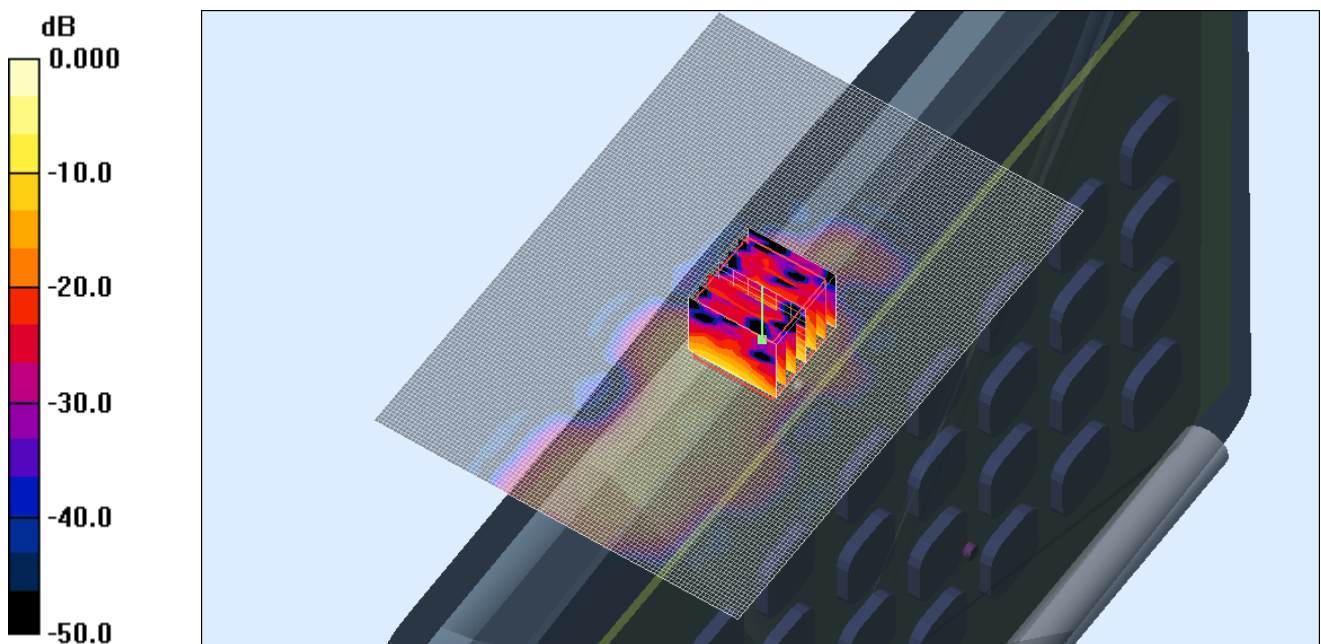
- * Communication System: OFDM 5200 MHz; Frequency: 5310 MHz; Duty Cycle: 1:1
- * Medium parameters used: $f = 5308$ MHz; $\sigma = 5.33$ mho/m; $\epsilon_r = 44.9$; $\rho = 1000$ kg/m³
- Electronics: DAE3 Sn442; Probe: EX3DV4 - SN3563; ConvF(3.92, 3.92, 3.92)
- Phantom: Flat Phantom 10.1; Serial: P 10.1; Phantom section: Flat 2.2 Section

Channel 062 Test/Area Scan (101x141x1): Measurement grid: dx=10mm, dy=10mm
 Maximum value of SAR (interpolated) = 2.61 mW/g

Channel 062 Test/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 7.64 V/m; Power Drift = -0.291 dB
 Peak SAR (extrapolated) = 5.10 W/kg

SAR(1 g) = 1.13 mW/g; SAR(10 g) = 0.249 mW/g
 Maximum value of SAR (measured) = 2.59 mW/g

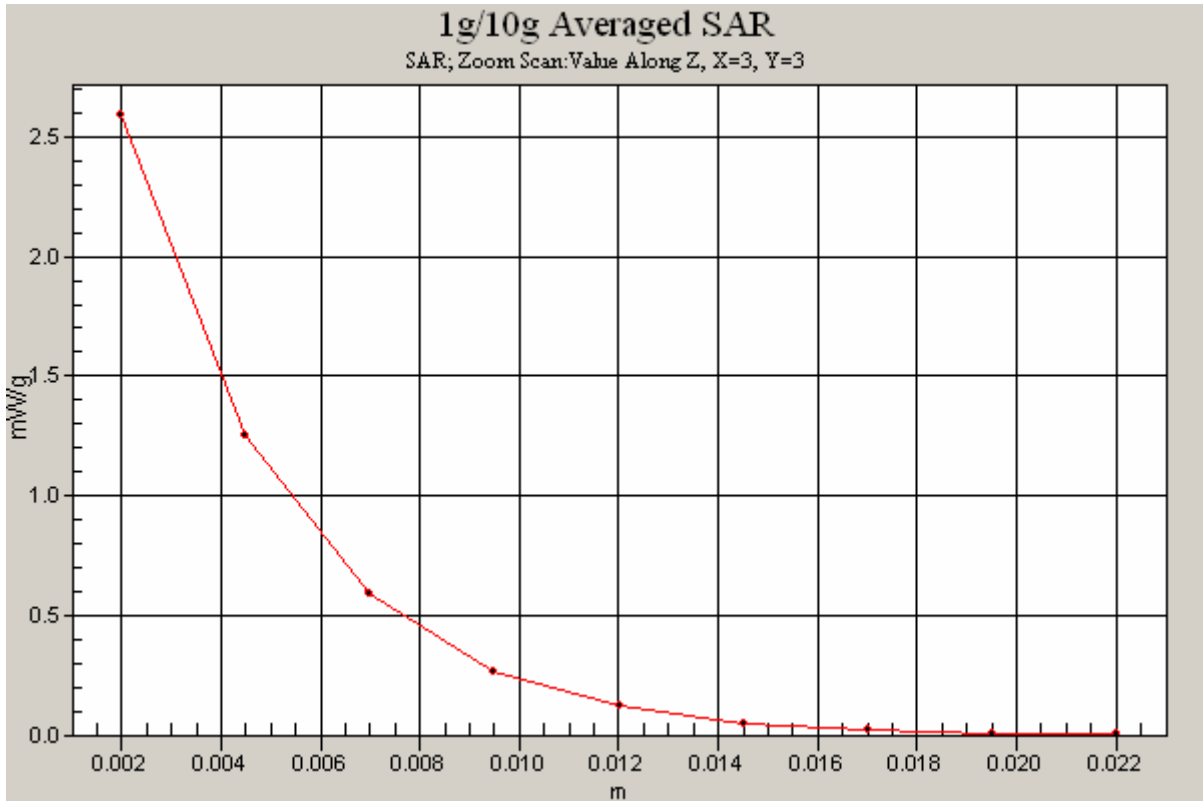


SAR MEASUREMENT PLOT 4

Ambient Temperature
 Liquid Temperature
 Humidity

20.9 Degrees Celsius
20.6 Degrees Celsius
45.0 %





Test Date: 18 June 2010

File Name: M1005100 Edge On Secondary Landscape OFDM MCS0 (40MHz) 5.2 GHz Ant B (Aux - 2) 18-06-10.da4

DUT: Fujitsu Notebook Souther with Atheros 11abgn and Bluetooth; Type: HB92; Serial: MAC: 001B9E-C850F3

* Communication System: OFDM 5200 MHz; Frequency: 5190 MHz; Duty Cycle: 1:1

* Medium parameters used: $f = 5196 \text{ MHz}$; $\sigma = 5.14 \text{ mho/m}$; $\epsilon_r = 45.3$; $\rho = 1000 \text{ kg/m}^3$

- Electronics: DAE3 Sn442; Probe: EX3DV4 - SN3563; ConvF(3.92, 3.92, 3.92)

- Phantom: Flat Phantom 10.1; Serial: P 10.1; Phantom section: Flat 2.2 Section

Channel 038 Test/Area Scan (101x141x1): Measurement grid: $dx=10\text{mm}$, $dy=10\text{mm}$

Maximum value of SAR (interpolated) = 3.05 mW/g

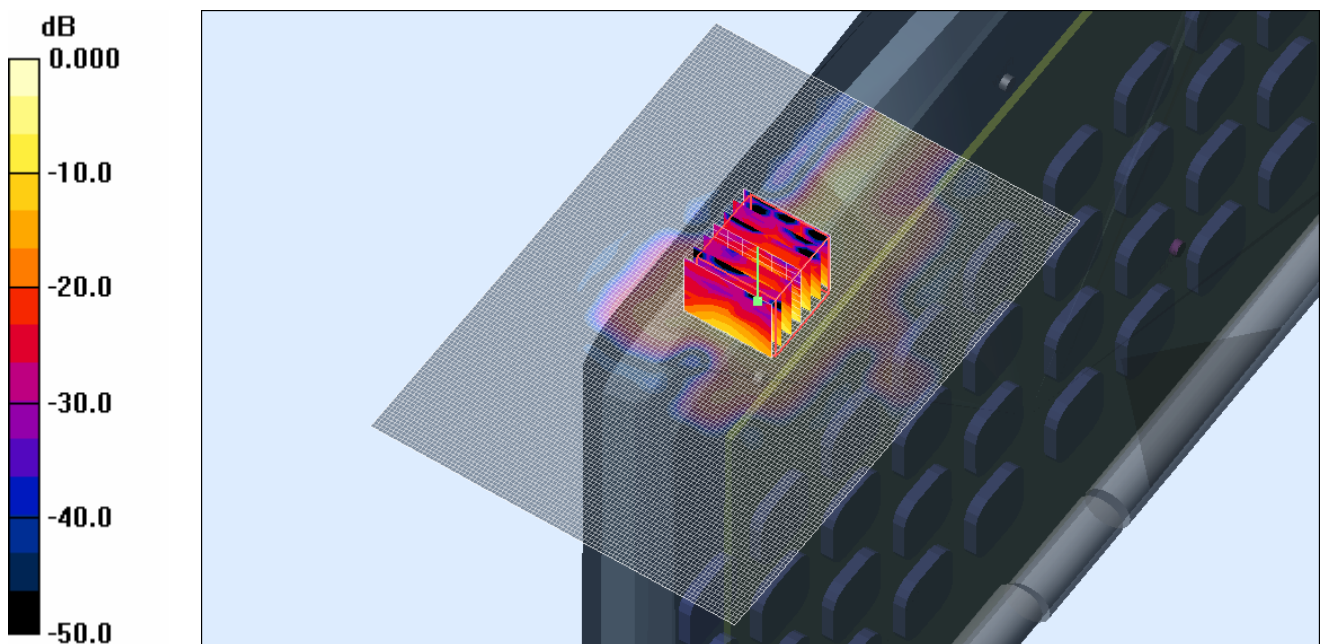
Channel 038 Test/Zoom Scan (7x7x9)/Cube 0: Measurement grid: $dx=4\text{mm}$, $dy=4\text{mm}$, $dz=2.5\text{mm}$

Reference Value = 5.64 V/m; Power Drift = -0.076 dB

Peak SAR (extrapolated) = 5.82 W/kg

SAR(1 g) = 1.4 mW/g; SAR(10 g) = 0.328 mW/g

Maximum value of SAR (measured) = 3.07 mW/g

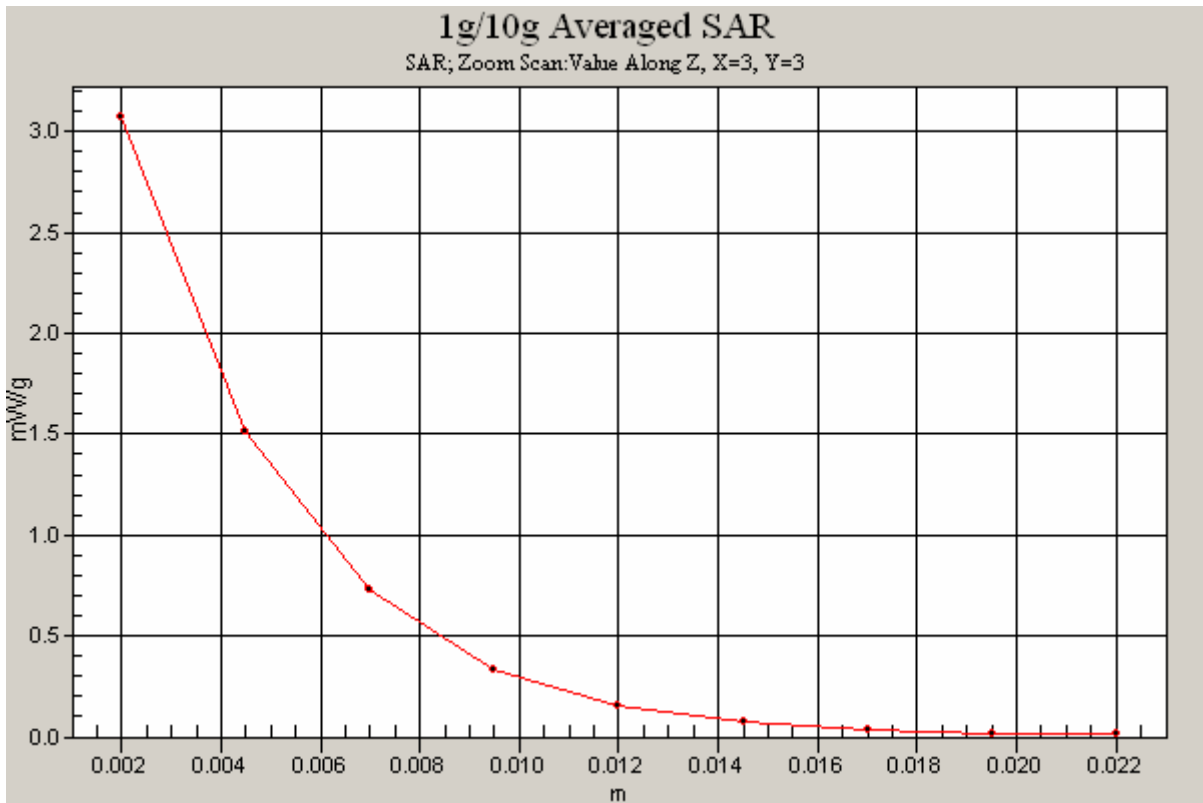


SAR MEASUREMENT PLOT 5

Ambient Temperature
Liquid Temperature
Humidity

20.9 Degrees Celsius
20.6 Degrees Celsius
45.0 %





Test Date: 18 June 2010

File Name: M1005100 Edge On Secondary Landscape OFDM MCS0 (40MHz) 5.2 GHz Ant B (Aux - 2) 18-06-10.da4

DUT: Fujitsu Notebook Souther with Atheros 11abgn and Bluetooth; Type: HB92; Serial: MAC: 001B9E-C850F3

* Communication System: OFDM 5200 MHz; Frequency: 5230 MHz; Duty Cycle: 1:1

* Medium parameters used: $f = 5228$ MHz; $\sigma = 5.2$ mho/m; $\epsilon_r = 45.2$; $\rho = 1000$ kg/m³

- Electronics: DAE3 Sn442; Probe: EX3DV4 - SN3563; ConvF(3.92, 3.92, 3.92)

- Phantom: Flat Phantom 10.1; Serial: P 10.1; Phantom section: Flat 2.2 Section

Channel 046 Test/Area Scan (101x141x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 3.27 mW/g

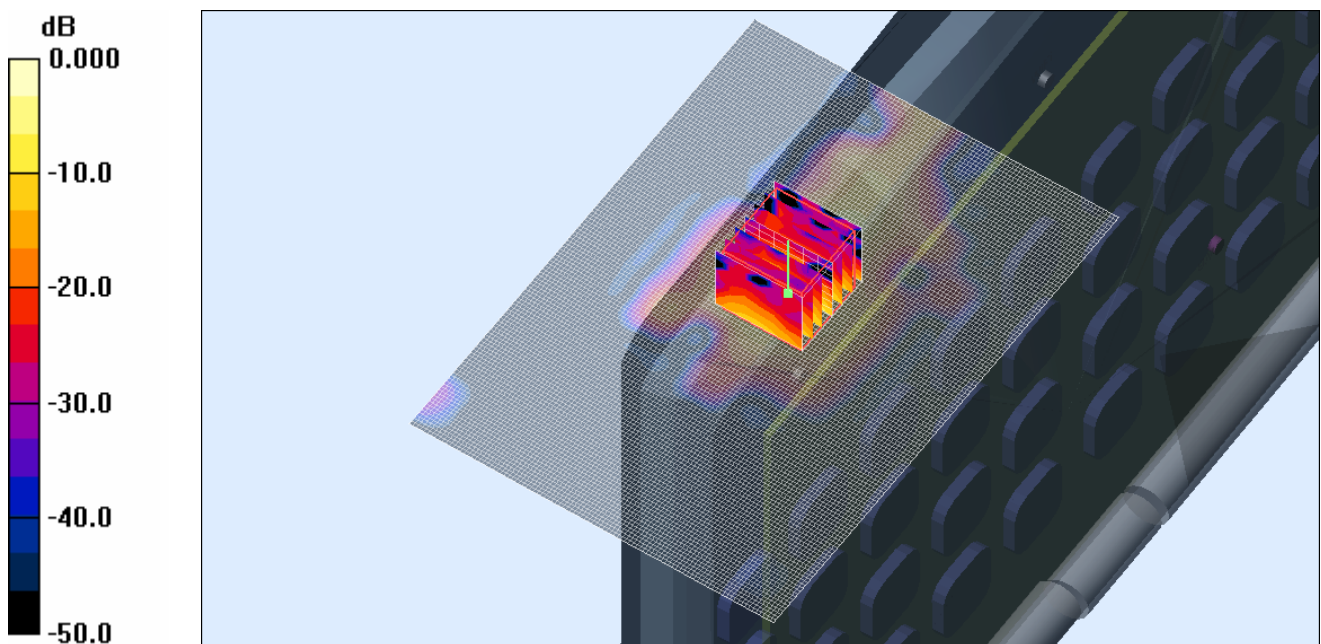
Channel 046 Test/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 8.77 V/m; Power Drift = -0.006 dB

Peak SAR (extrapolated) = 6.52 W/kg

SAR(1 g) = 1.49 mW/g; SAR(10 g) = 0.331 mW/g

Maximum value of SAR (measured) = 3.34 mW/g

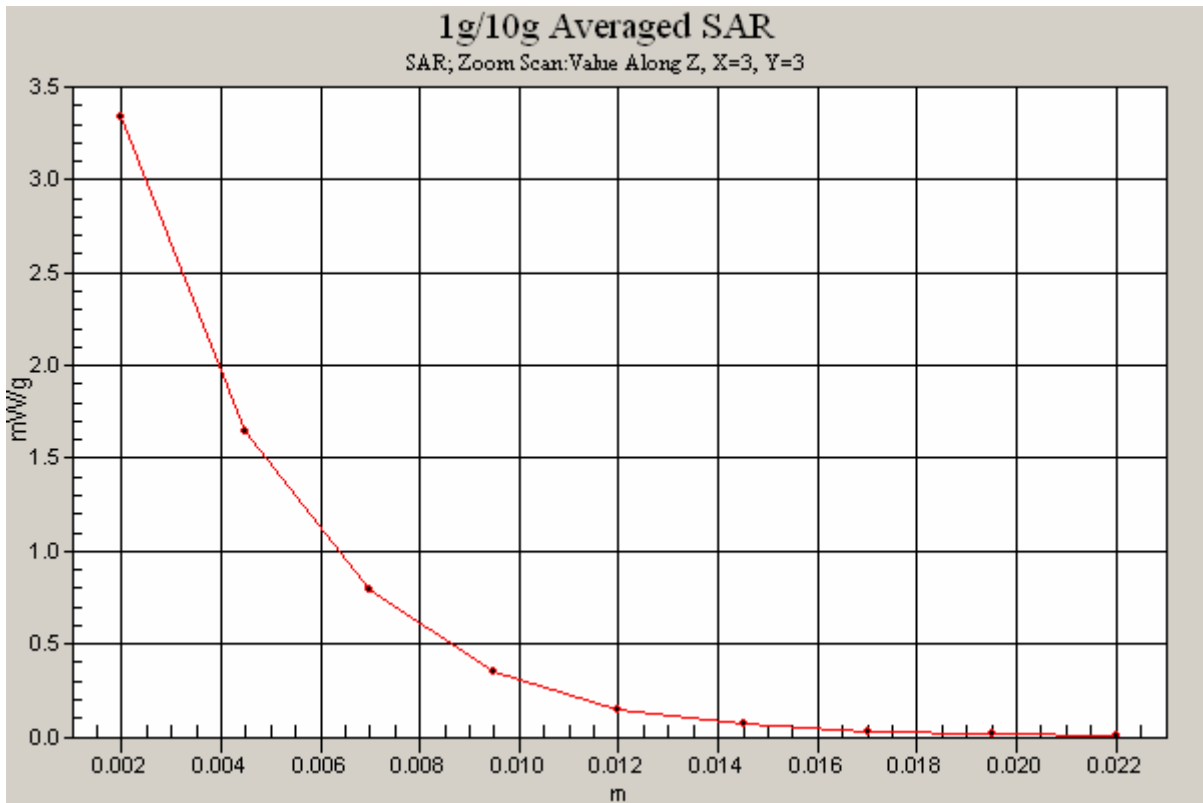


SAR MEASUREMENT PLOT 6

Ambient Temperature
Liquid Temperature
Humidity

20.9 Degrees Celsius
20.6 Degrees Celsius
45.0 %





Test Date: 18 June 2010

File Name: M1005100 Edge On Secondary Landscape OFDM MCS0 (40MHz) 5.2 GHz Ant B (Aux - 2) 18-06-10.da4

DUT: Fujitsu Notebook Souther with Atheros 11abgn and Bluetooth; Type: HB92; Serial: MAC: 001B9E-C850F3

* Communication System: OFDM 5200 MHz; Frequency: 5270 MHz; Duty Cycle: 1:1

* Medium parameters used: $f = 5276$ MHz; $\sigma = 5.29$ mho/m; $\epsilon_r = 45$; $\rho = 1000$ kg/m³

- Electronics: DAE3 Sn442; Probe: EX3DV4 - SN3563; ConvF(3.92, 3.92, 3.92)

- Phantom: Flat Phantom 10.1; Serial: P 10.1; Phantom section: Flat 2.2 Section

Channel 054 Test/Area Scan (101x141x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 2.41 mW/g

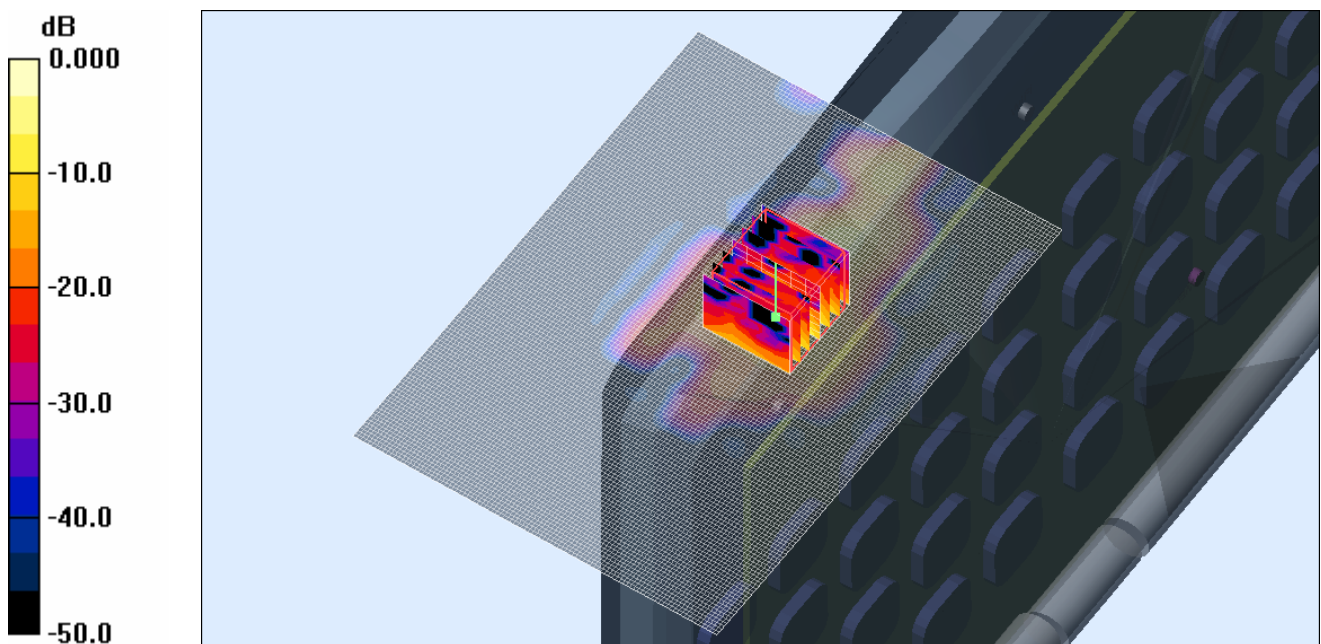
Channel 054 Test/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 4.34 V/m; Power Drift = -0.068 dB

Peak SAR (extrapolated) = 4.46 W/kg

SAR(1 g) = 1 mW/g; SAR(10 g) = 0.221 mW/g

Maximum value of SAR (measured) = 2.37 mW/g

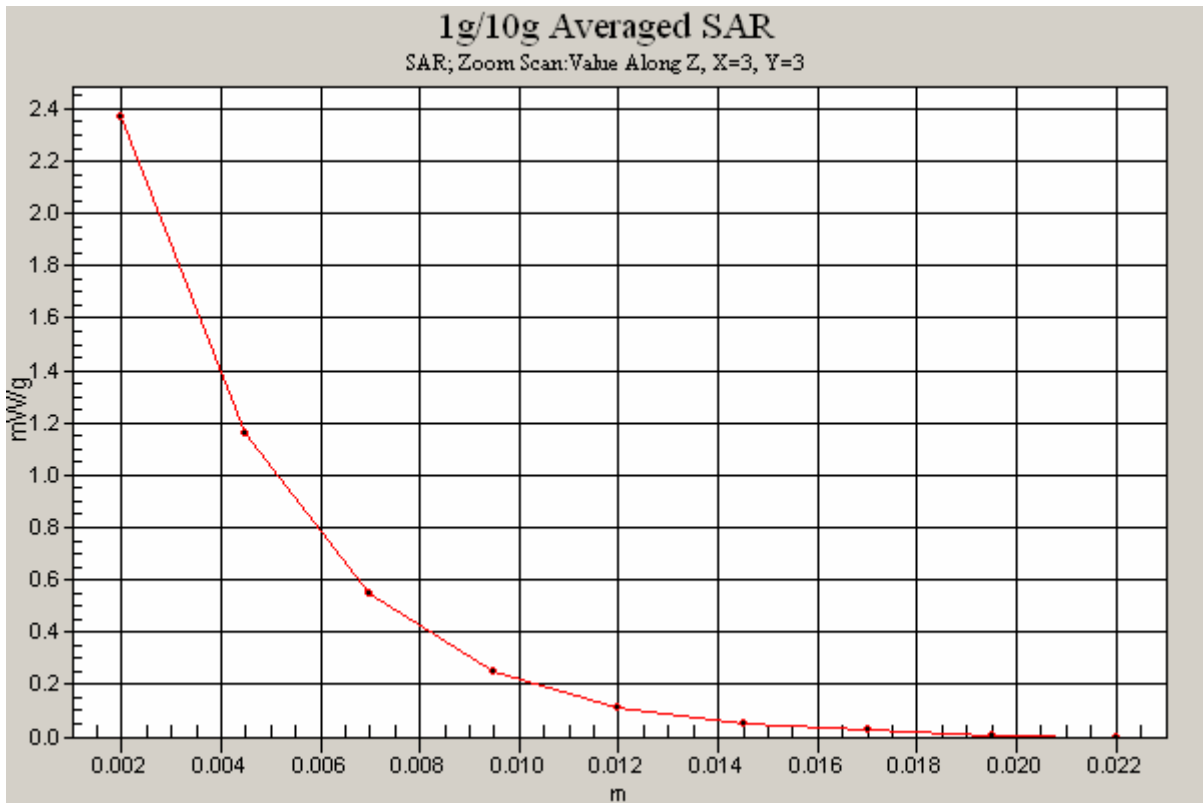


SAR MEASUREMENT PLOT 7

Ambient Temperature
Liquid Temperature
Humidity

20.9 Degrees Celsius
20.6 Degrees Celsius
45.0 %





Test Date: 18 June 2010

File Name: M1005100 Edge On Secondary Landscape OFDM MCS0 (40MHz) 5.2 GHz Ant B (Aux - 2) 18-06-10.da4

DUT: **Fujitsu Notebook Souther with Atheros 11abgn and Bluetooth; Type: HB92; Serial: MAC: 001B9E-C850F3**

* Communication System: OFDM 5200 MHz; Frequency: 5310 MHz; Duty Cycle: 1:1

* Medium parameters used: $f = 5308$ MHz; $\sigma = 5.33$ mho/m; $\epsilon_r = 44.9$; $\rho = 1000$ kg/m³

- Electronics: DAE3 Sn442; Probe: EX3DV4 - SN3563; ConvF(3.92, 3.92, 3.92)

- Phantom: Flat Phantom 10.1; Serial: P 10.1; Phantom section: Flat 2.2 Section

Channel 062 Test/Area Scan (101x141x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 2.21 mW/g

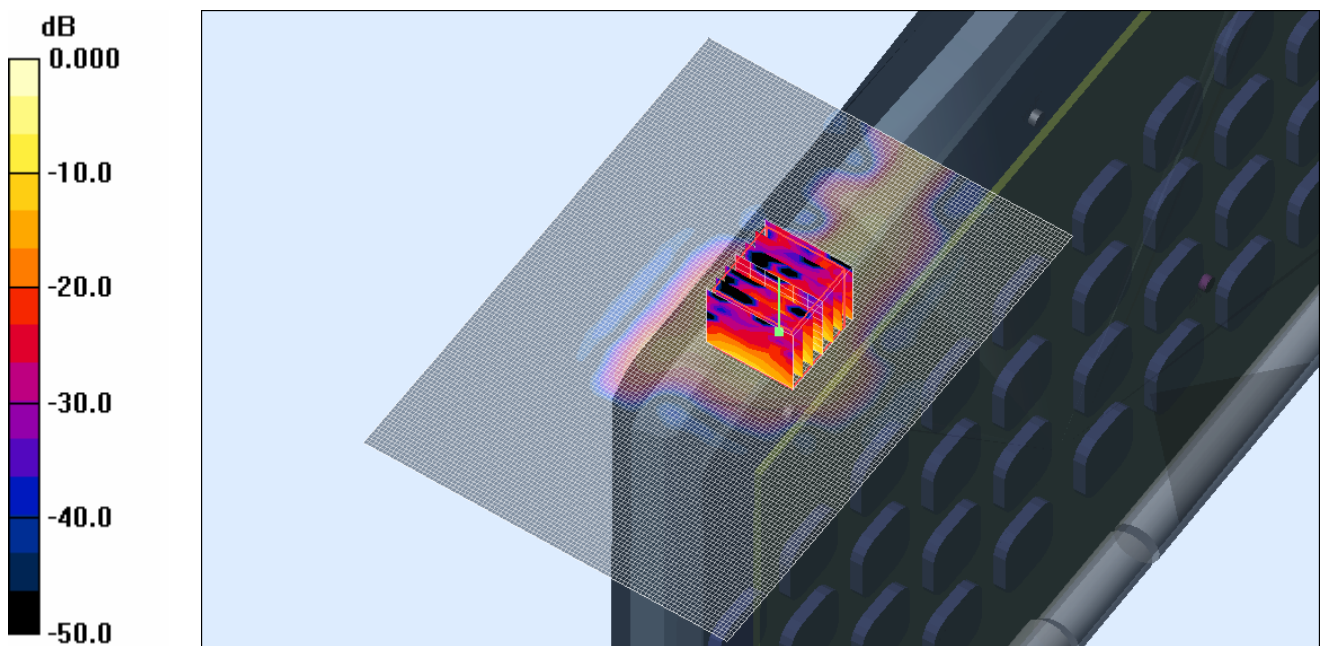
Channel 062 Test/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 6.51 V/m; Power Drift = 0.049 dB

Peak SAR (extrapolated) = 4.42 W/kg

SAR(1 g) = 0.984 mW/g; SAR(10 g) = 0.214 mW/g

Maximum value of SAR (measured) = 2.26 mW/g

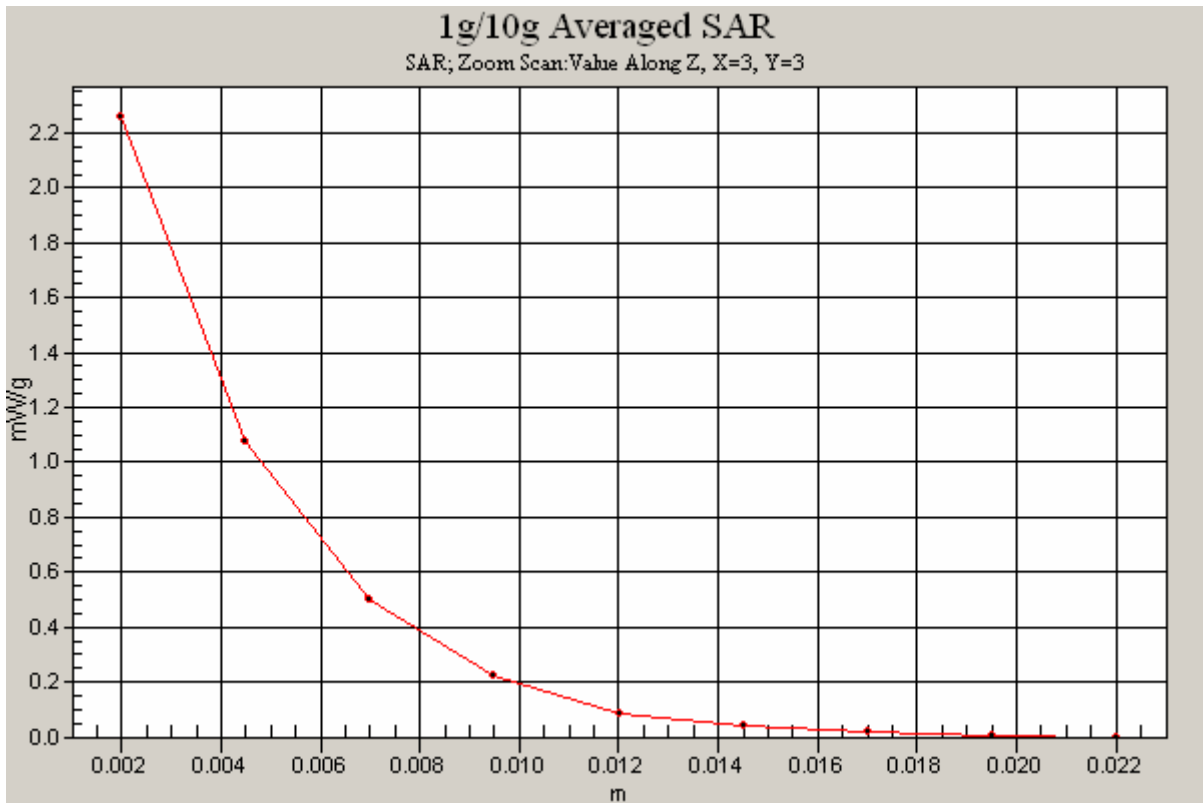


SAR MEASUREMENT PLOT 8

Ambient Temperature
Liquid Temperature
Humidity

20.9 Degrees Celsius
20.6 Degrees Celsius
45.0 %





Test Date: 17 June 2010

File Name: M1005100_Edge On Secondary Landscape OFDM 5.6 GHz Ant A (Main - 1) 17-06-10.da4

DUT: Fujitsu Notebook Souther with Atheros 11abgn and Bluetooth; Type: HB92; Serial: MAC: 001B9E-C850F3

* Communication System: OFDM 5600 MHz; Frequency: 5520 MHz; Duty Cycle: 1:1

* Medium parameters used: $f = 5516$ MHz; $\sigma = 5.77$ mho/m; $\epsilon_r = 45.3$; $\rho = 1000$ kg/m³

- Electronics: DAE3 Sn442; Probe: EX3DV4 - SN3563; ConvF(3.36, 3.36, 3.36)

- Phantom: Flat Phantom 10.1; Serial: P 10.1; Phantom section: Flat 2.2 Section

Channel 104 Test/Area Scan (81x121x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 2.09 mW/g

Channel 104 Test/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm,

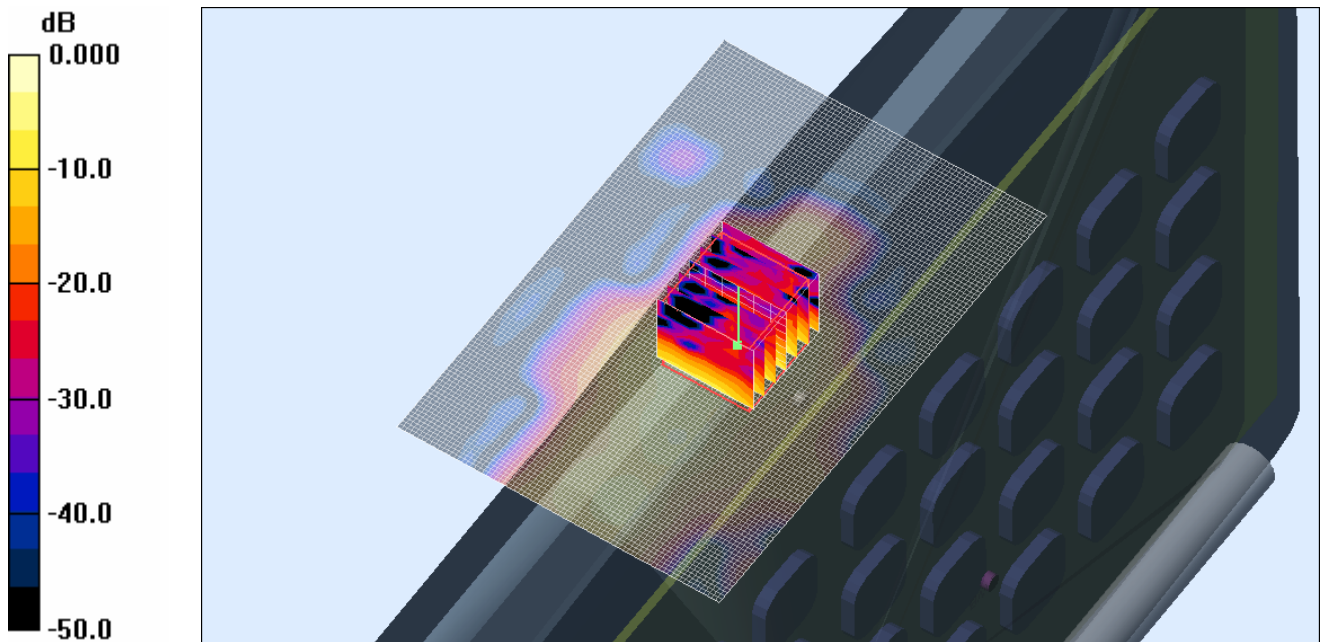
dz=2.5mm

Reference Value = 12.6 V/m; Power Drift = -0.265 dB

Peak SAR (extrapolated) = 5.16 W/kg

SAR(1 g) = 1.1 mW/g; SAR(10 g) = 0.262 mW/g

Maximum value of SAR (measured) = 2.66 mW/g

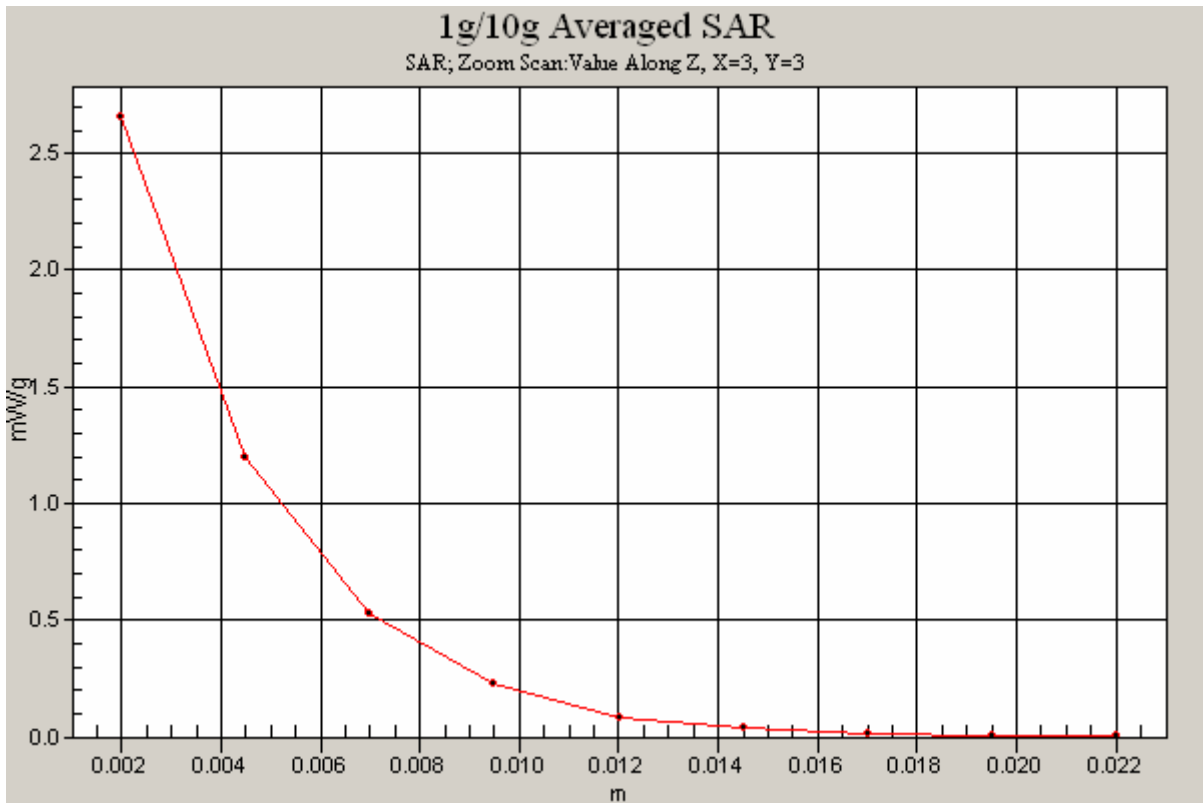


SAR MEASUREMENT PLOT 9

Ambient Temperature
Liquid Temperature
Humidity

20.7 Degrees Celsius
20.5 Degrees Celsius
48.0 %





Test Date: 17 June 2010

File Name: M1005100 Edge On Secondary Landscape OFDM 5.6 GHz Ant A (Main - 1) 17-06-10.da4

DUT: Fujitsu Notebook Souther with Atheros 11abgn and Bluetooth; Type: HB92; Serial: MAC: 001B9E-C850F3

* Communication System: OFDM 5600 MHz; Frequency: 5580 MHz; Duty Cycle: 1:1

* Medium parameters used: $f = 5580$ MHz; $\sigma = 5.89$ mho/m; $\epsilon_r = 45.1$; $\rho = 1000$ kg/m³

- Electronics: DAE3 Sn442; Probe: EX3DV4 - SN3563; ConvF(3.36, 3.36, 3.36)

- Phantom: Flat Phantom 10.1; Serial: P 10.1; Phantom section: Flat 2.2 Section

Channel 116 Test/Area Scan (81x121x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 2.87 mW/g

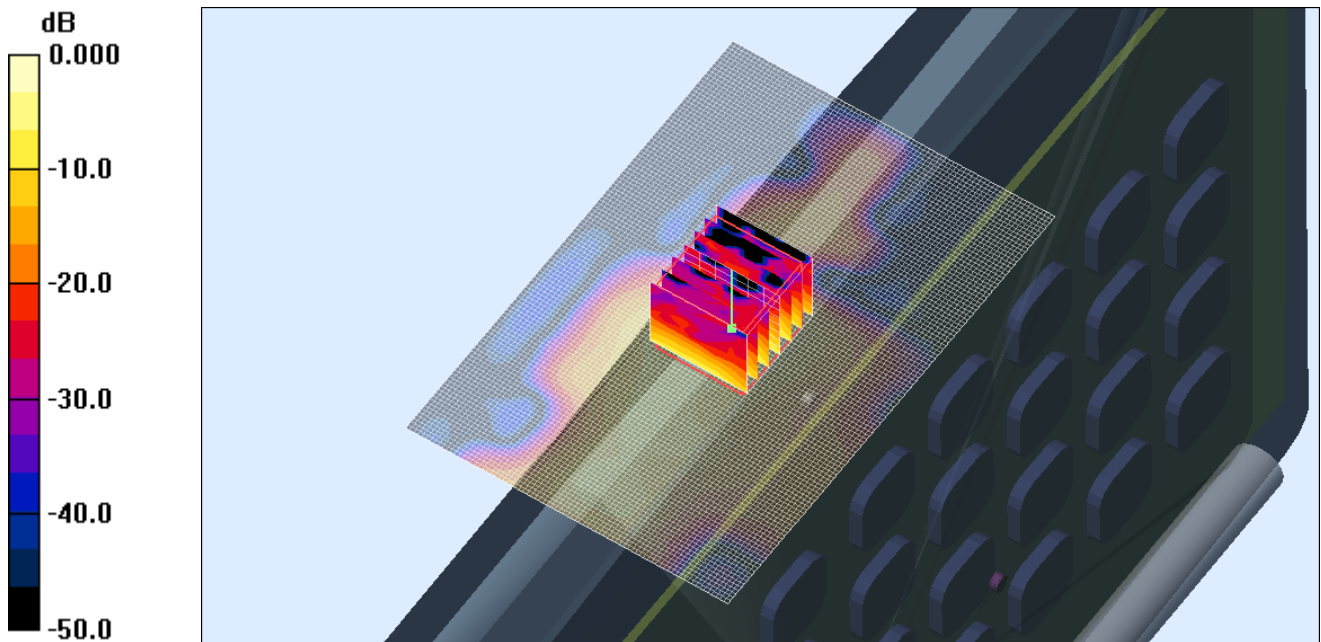
Channel 116 Test/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 20.3 V/m; Power Drift = -0.070 dB

Peak SAR (extrapolated) = 5.76 W/kg

SAR(1 g) = 1.26 mW/g; SAR(10 g) = 0.305 mW/g

Maximum value of SAR (measured) = 2.92 mW/g

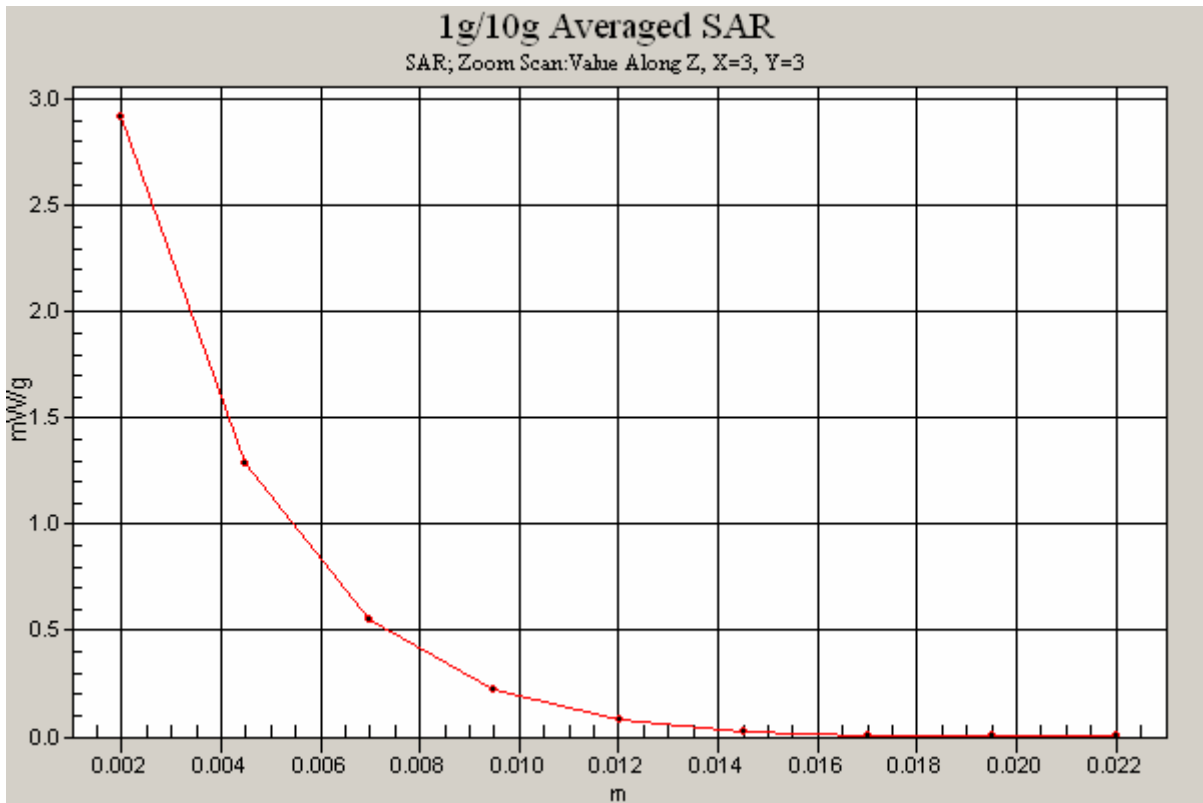


SAR MEASUREMENT PLOT 10

Ambient Temperature
Liquid Temperature
Humidity

20.7 Degrees Celsius
20.5 Degrees Celsius
48.0 %





Test Date: 17 June 2010

File Name: M1005100_Edge On Secondary Landscape OFDM 5.6 GHz Ant A (Main - 1) 17-06-10.da4

DUT: Fujitsu Notebook Souther with Atheros 11abgn and Bluetooth; Type: HB92; Serial: MAC: 001B9E-C850F3

* Communication System: OFDM 5600 MHz; Frequency: 5620 MHz; Duty Cycle: 1:1

* Medium parameters used: $f = 5612$ MHz; $\sigma = 5.93$ mho/m; $\epsilon_r = 45.1$; $\rho = 1000$ kg/m³

- Electronics: DAE3 Sn442; Probe: EX3DV4 - SN3563; ConvF(3.36, 3.36, 3.36)

- Phantom: Flat Phantom 10.1; Serial: P 10.1; Phantom section: Flat 2.2 Section

Channel 124 Test/Area Scan (81x121x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 1.90 mW/g

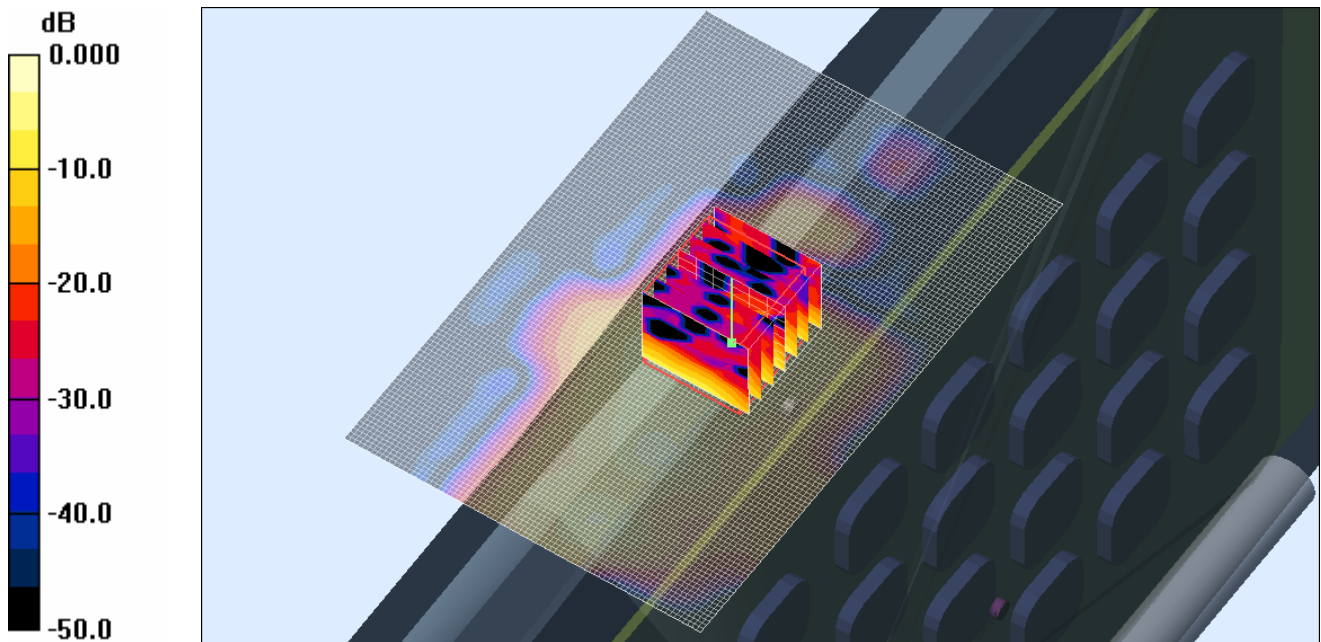
Channel 124 Test/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 13.2 V/m; Power Drift = -0.182 dB

Peak SAR (extrapolated) = 4.81 W/kg

SAR(1 g) = 1.01 mW/g; SAR(10 g) = 0.244 mW/g

Maximum value of SAR (measured) = 2.32 mW/g



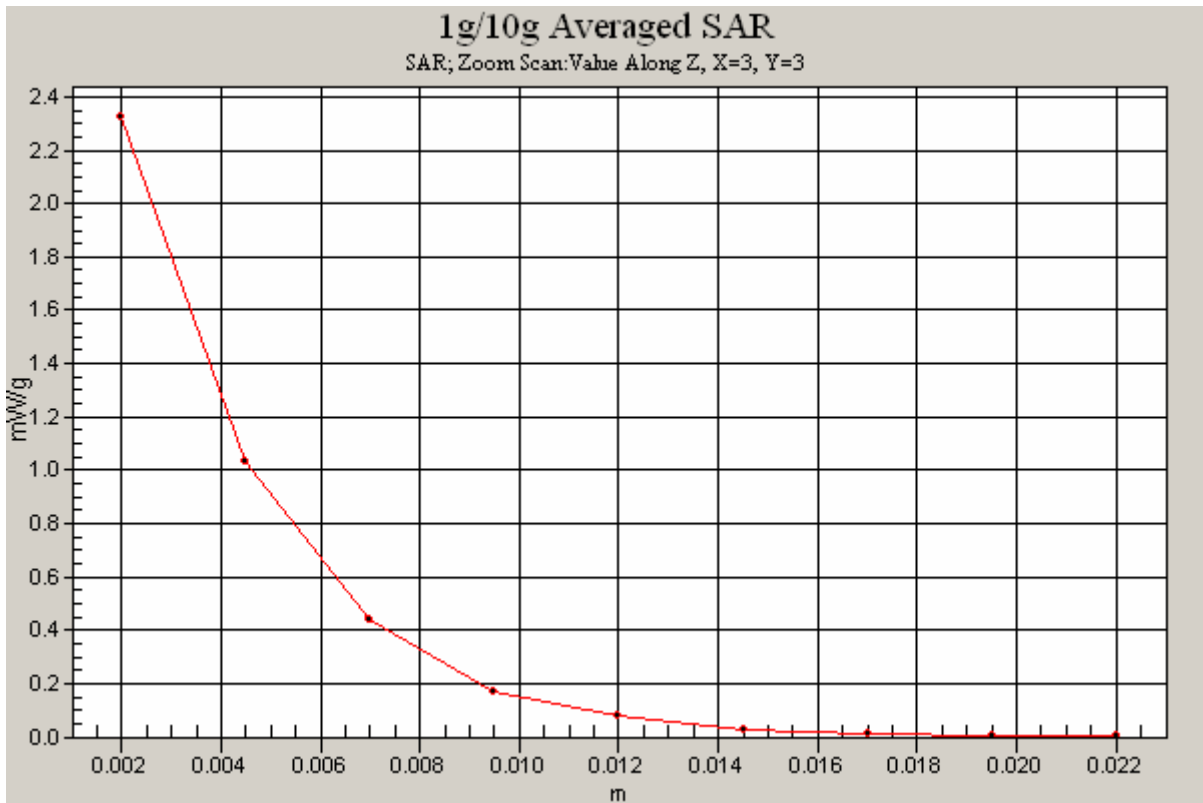
0 dB = 2.32mW/g

SAR MEASUREMENT PLOT 11

Ambient Temperature
Liquid Temperature
Humidity

20.7 Degrees Celsius
20.5 Degrees Celsius
48.0 %





Test Date: 17 June 2010

File Name: M1005100 Edge On Secondary Landscape OFDM 5.6 GHz Ant A (Main - 1) 17-06-10.da4

DUT: Fujitsu Notebook Souther with Atheros 11abgn and Bluetooth; Type: HB92; Serial: MAC: 001B9E-C850F3

* Communication System: OFDM 5600 MHz; Frequency: 5680 MHz; Duty Cycle: 1:1

* Medium parameters used: $f = 5676$ MHz; $\sigma = 6.05$ mho/m; $\epsilon_r = 44.8$; $\rho = 1000$ kg/m³

- Electronics: DAE3 Sn442; Probe: EX3DV4 - SN3563; ConvF(3.36, 3.36, 3.36)

- Phantom: Flat Phantom 10.1; Serial: P 10.1; Phantom section: Flat 2.2 Section

Channel 136 Test/Area Scan (81x121x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 1.31 mW/g

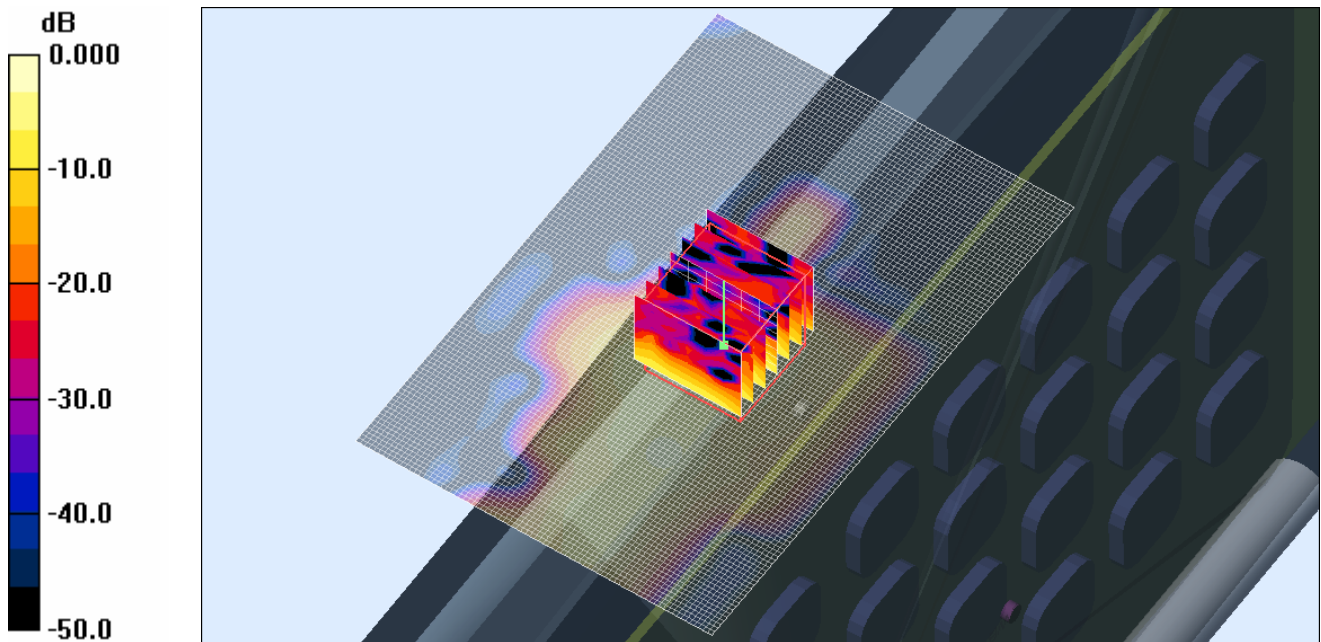
Channel 136 Test/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 8.82 V/m; Power Drift = -0.010 dB

Peak SAR (extrapolated) = 3.49 W/kg

SAR(1 g) = 0.713 mW/g; SAR(10 g) = 0.170 mW/g

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

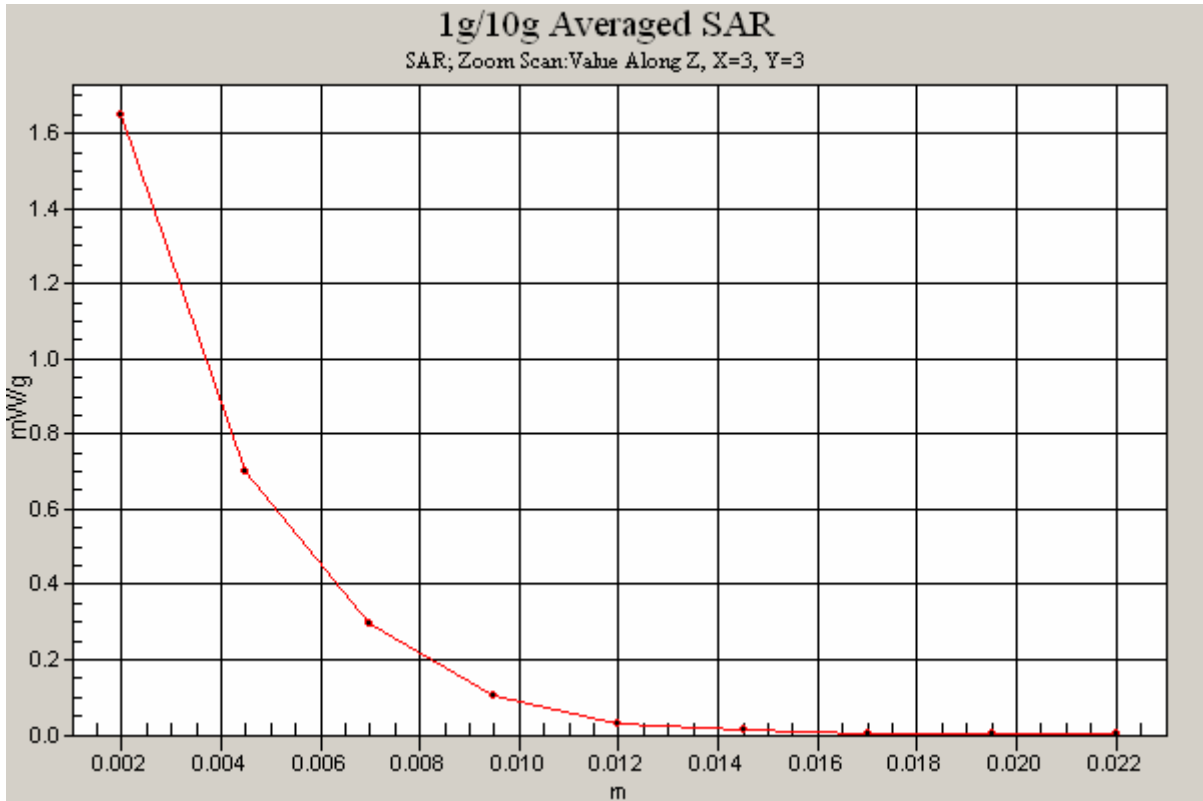


SAR MEASUREMENT PLOT 12

Ambient Temperature
Liquid Temperature
Humidity

20.7 Degrees Celsius
20.5 Degrees Celsius
48.0 %





Test Date: 17 June 2010

File Name: M1005100_Edge On Secondary Landscape OFDM 5.6 GHz Ant B (Aux - 2) (-2dB)17-06-10.da4

DUT: Fujitsu Notebook Souther with Atheros 11abgn and Bluetooth; Type: HB92; Serial: MAC: 001B9E-C850F3

* Communication System: OFDM 5600 MHz; Frequency: 5520 MHz; Duty Cycle: 1:1

* Medium parameters used: $f = 5516$ MHz; $\sigma = 5.77$ mho/m; $\epsilon_r = 45.3$; $\rho = 1000$ kg/m³

- Electronics: DAE3 Sn442; Probe: EX3DV4 - SN3563; ConvF(3.36, 3.36, 3.36)

- Phantom: Flat Phantom 10.1; Serial: P 10.1; Phantom section: Flat 2.2 Section

Channel 104 Test/Area Scan (81x121x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 2.97 mW/g

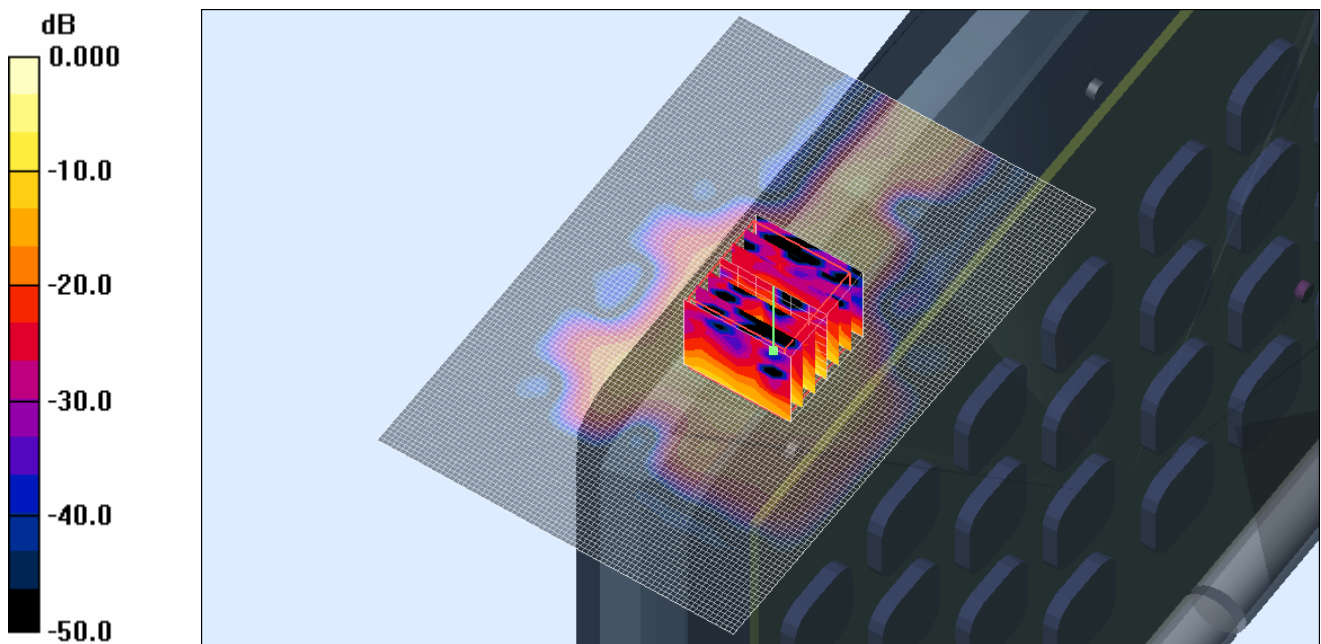
Channel 104 Test/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 11.8 V/m; Power Drift = -0.148 dB

Peak SAR (extrapolated) = 6.61 W/kg

SAR(1 g) = 1.45 mW/g; SAR(10 g) = 0.319 mW/g

Maximum value of SAR (measured) = 3.21 mW/g



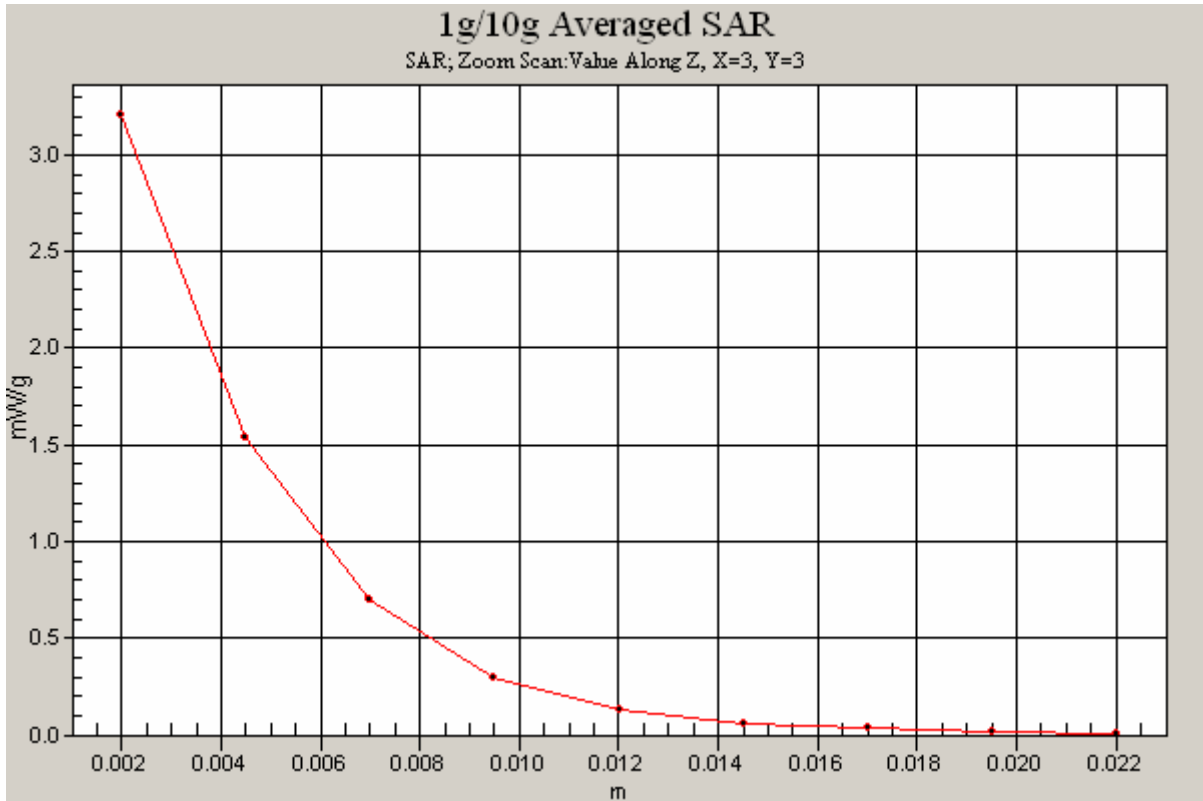
0 dB = 3.21mW/g

SAR MEASUREMENT PLOT 13

Ambient Temperature
Liquid Temperature
Humidity

20.7 Degrees Celsius
20.5 Degrees Celsius
48.0 %





Test Date: 17 June 2010

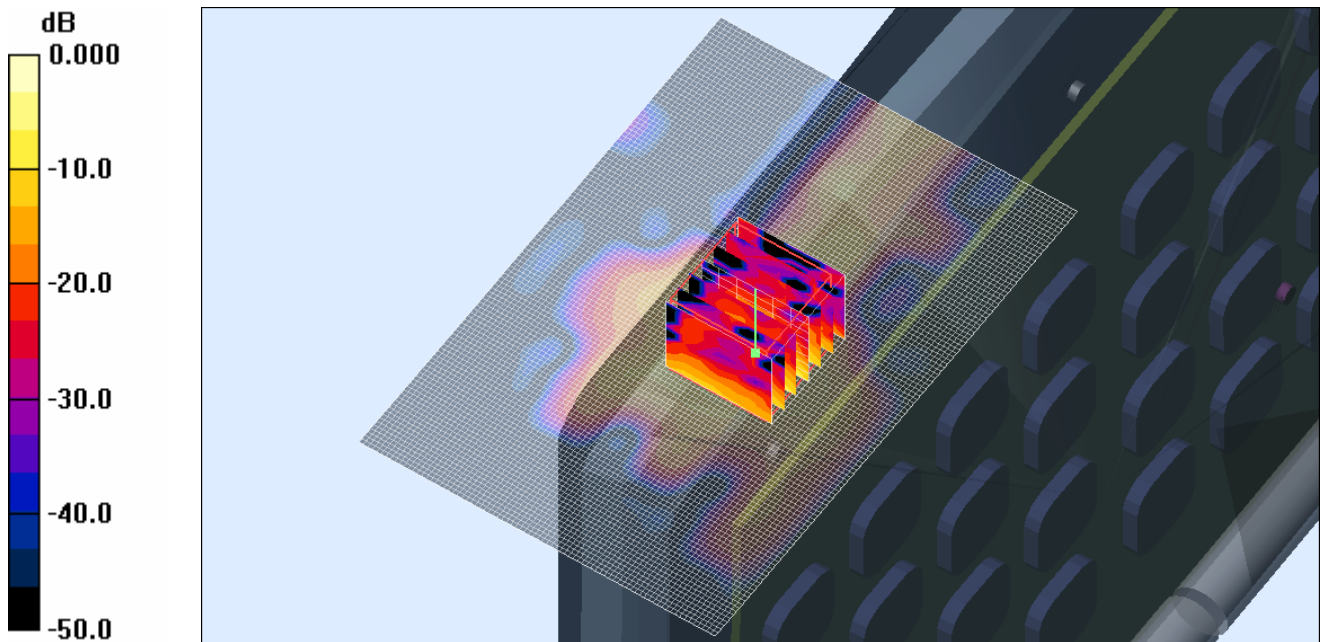
File Name: M1005100_Edge On Secondary Landscape OFDM 5.6 GHz Ant B (Aux - 2) (-2dB)17-06-10.da4

DUT: Fujitsu Notebook Souther with Atheros 11abgn and Bluetooth; Type: HB92; Serial: MAC: 001B9E-C850F3

- * Communication System: OFDM 5600 MHz; Frequency: 5580 MHz; Duty Cycle: 1:1
- * Medium parameters used: $f = 5580$ MHz; $\sigma = 5.89$ mho/m; $\epsilon_r = 45.1$; $\rho = 1000$ kg/m³
- Electronics: DAE3 Sn442; Probe: EX3DV4 - SN3563; ConvF(3.36, 3.36, 3.36)
- Phantom: Flat Phantom 10.1; Serial: P 10.1; Phantom section: Flat 2.2 Section

Channel 116 Test/Area Scan (81x121x1): Measurement grid: dx=10mm, dy=10mm
 Maximum value of SAR (interpolated) = 2.19 mW/g

Channel 116 Test/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
 Reference Value = 9.62 V/m; Power Drift = 0.020 dB
 Peak SAR (extrapolated) = 4.75 W/kg
SAR(1 g) = 1.06 mW/g; SAR(10 g) = 0.231 mW/g
 Maximum value of SAR (measured) = 2.33 mW/g



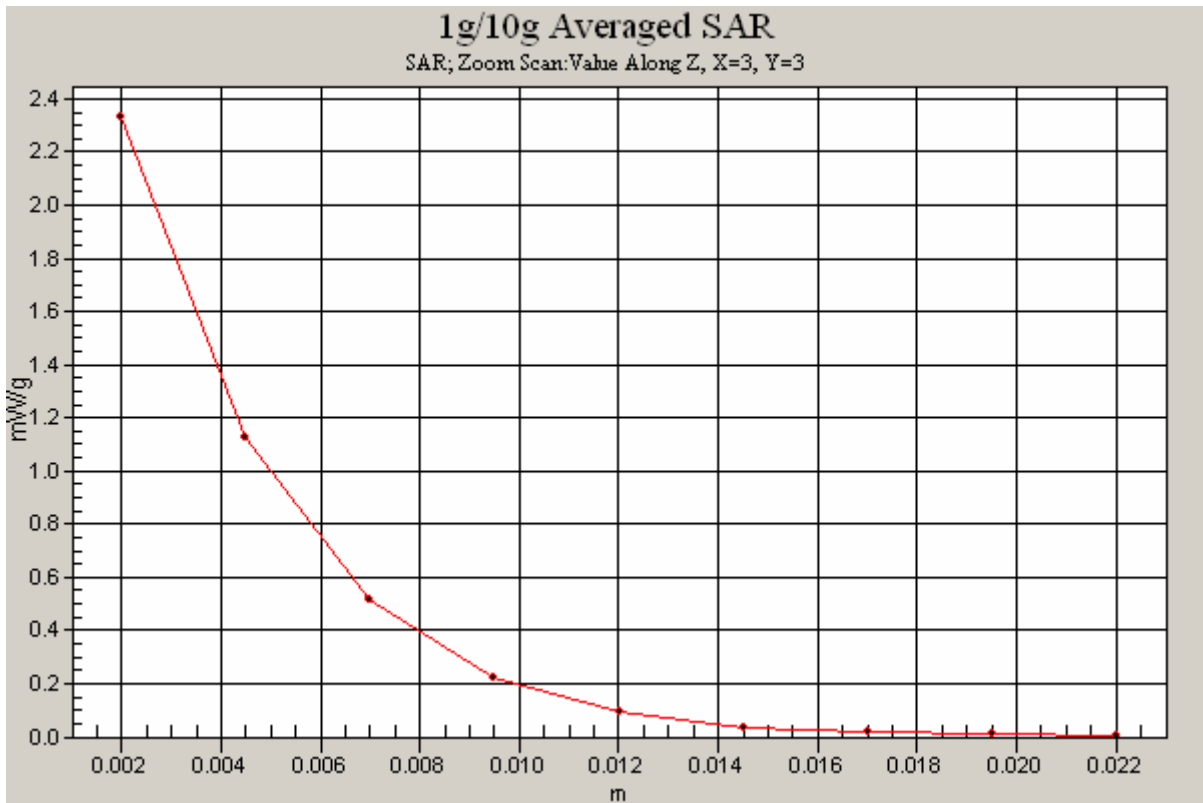
0 dB = 2.33mW/g

SAR MEASUREMENT PLOT 14

Ambient Temperature
 Liquid Temperature
 Humidity

20.7 Degrees Celsius
 20.5 Degrees Celsius
 48.0 %





Test Date: 17 June 2010

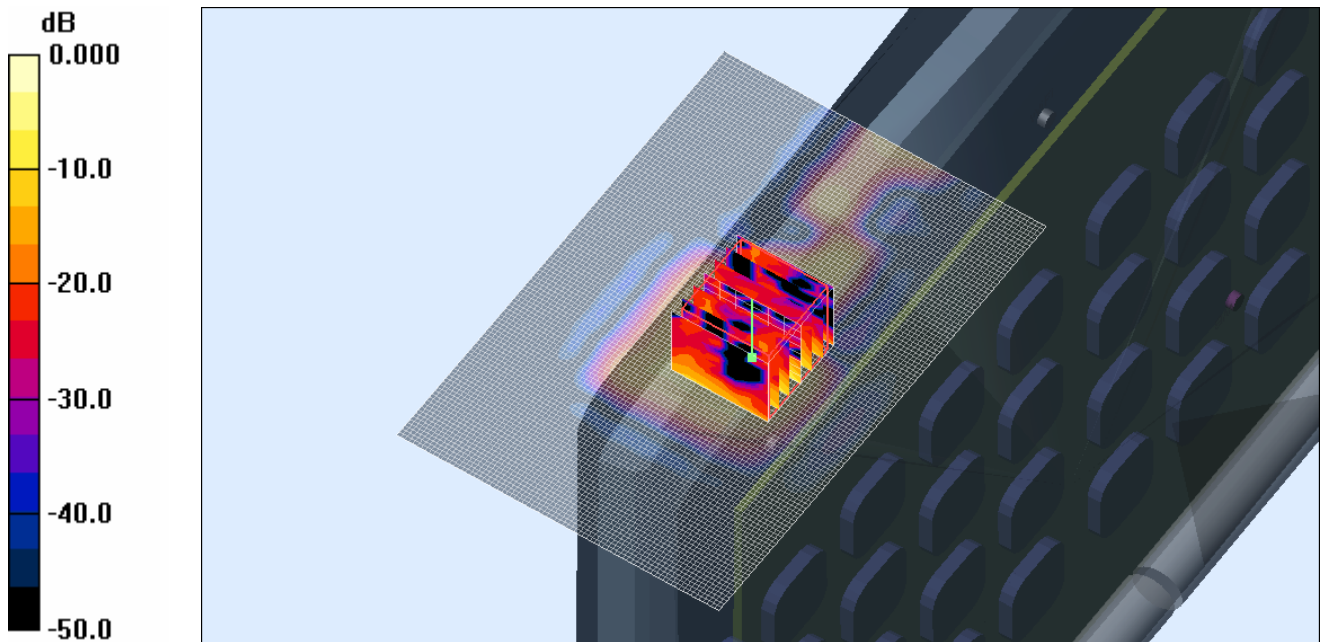
File Name: M1005100_Edge On Secondary Landscape OFDM 5.6 GHz Ant B (Aux - 2) (-2dB)17-06-10.da4

DUT: Fujitsu Notebook Souther with Atheros 11abgn and Bluetooth; Type: HB92; Serial: MAC: 001B9E-C850F3

- * Communication System: OFDM 5600 MHz; Frequency: 5620 MHz; Duty Cycle: 1:1
- * Medium parameters used: $f = 5612$ MHz; $\sigma = 5.93$ mho/m; $\epsilon_r = 45.1$; $\rho = 1000$ kg/m³
- Electronics: DAE3 Sn442; Probe: EX3DV4 - SN3563; ConvF(3.36, 3.36, 3.36)
- Phantom: Flat Phantom 10.1; Serial: P 10.1; Phantom section: Flat 2.2 Section

Channel 124 Test/Area Scan (81x121x1): Measurement grid: dx=10mm, dy=10mm
 Maximum value of SAR (interpolated) = 1.71 mW/g

Channel 124 Test/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
 Reference Value = 8.04 V/m; Power Drift = -0.042 dB
 Peak SAR (extrapolated) = 3.59 W/kg
SAR(1 g) = 0.789 mW/g; SAR(10 g) = 0.174 mW/g
 Maximum value of SAR (measured) = 1.82 mW/g

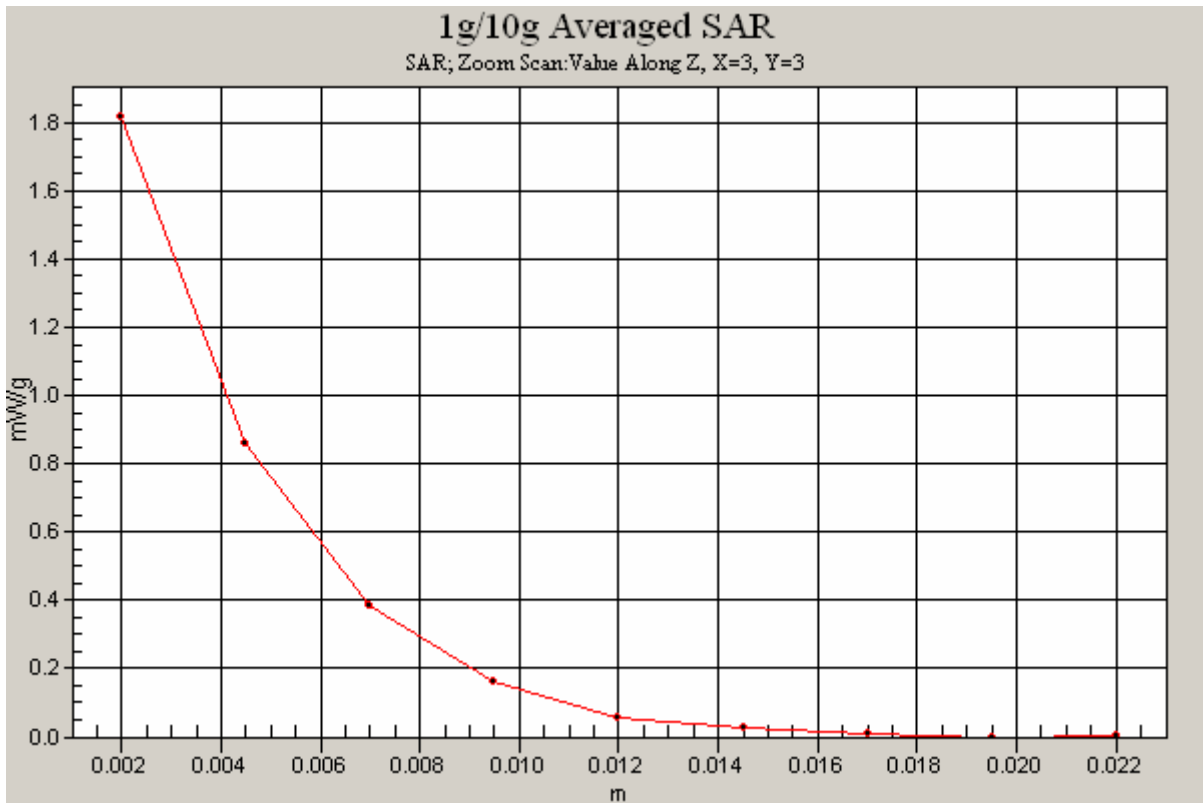


SAR MEASUREMENT PLOT 15

Ambient Temperature
 Liquid Temperature
 Humidity

20.7 Degrees Celsius
 20.5 Degrees Celsius
 48.0 %





Test Date: 17 June 2010

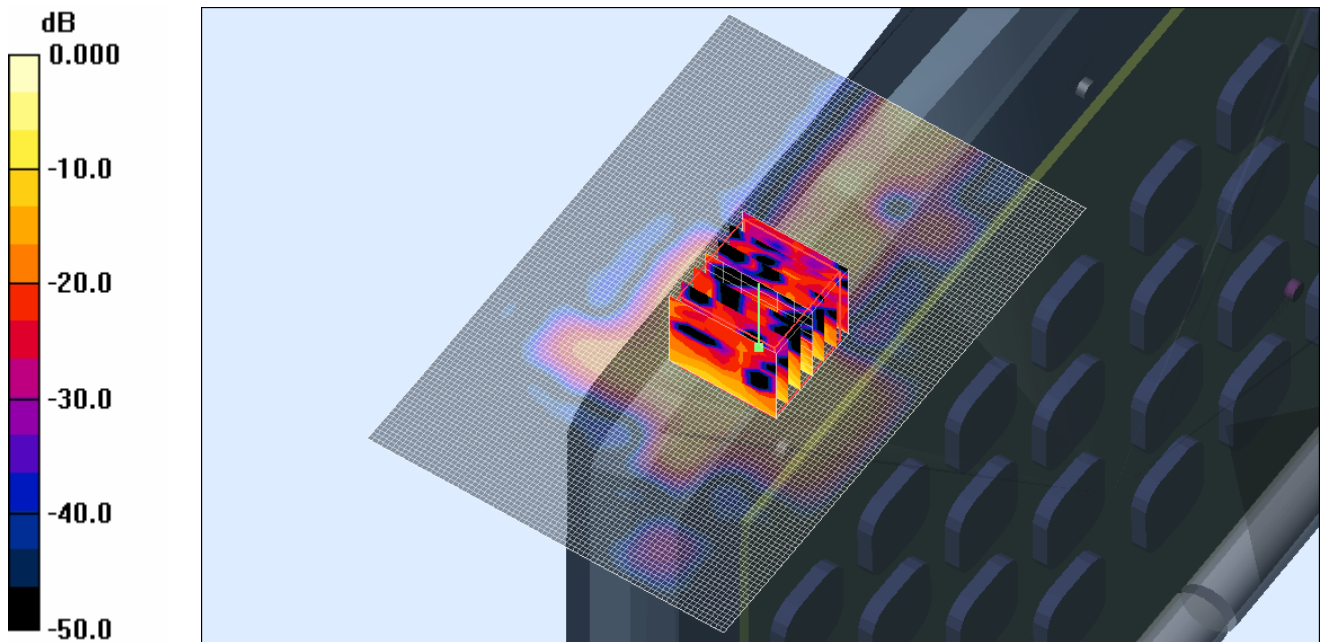
File Name: M1005100_Edge On Secondary Landscape OFDM 5.6 GHz Ant B (Aux - 2) (-2dB)17-06-10.da4

DUT: Fujitsu Notebook Souther with Atheros 11abgn and Bluetooth; Type: HB92; Serial: MAC: 001B9E-C850F3

- * Communication System: OFDM 5600 MHz; Frequency: 5680 MHz; Duty Cycle: 1:1
- * Medium parameters used: $f = 5676$ MHz; $\sigma = 6.05$ mho/m; $\epsilon_r = 44.8$; $\rho = 1000$ kg/m³
- Electronics: DAE3 Sn442; Probe: EX3DV4 - SN3563; ConvF(3.36, 3.36, 3.36)
- Phantom: Flat Phantom 10.1; Serial: P 10.1; Phantom section: Flat 2.2 Section

Channel 136 Test/Area Scan (81x121x1): Measurement grid: dx=10mm, dy=10mm
 Maximum value of SAR (interpolated) = 1.34 mW/g

Channel 136 Test/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
 Reference Value = 8.50 V/m; Power Drift = 0.092 dB
 Peak SAR (extrapolated) = 2.94 W/kg
SAR(1 g) = 0.637 mW/g; SAR(10 g) = 0.138 mW/g
 Maximum value of SAR (measured) = 1.43 mW/g



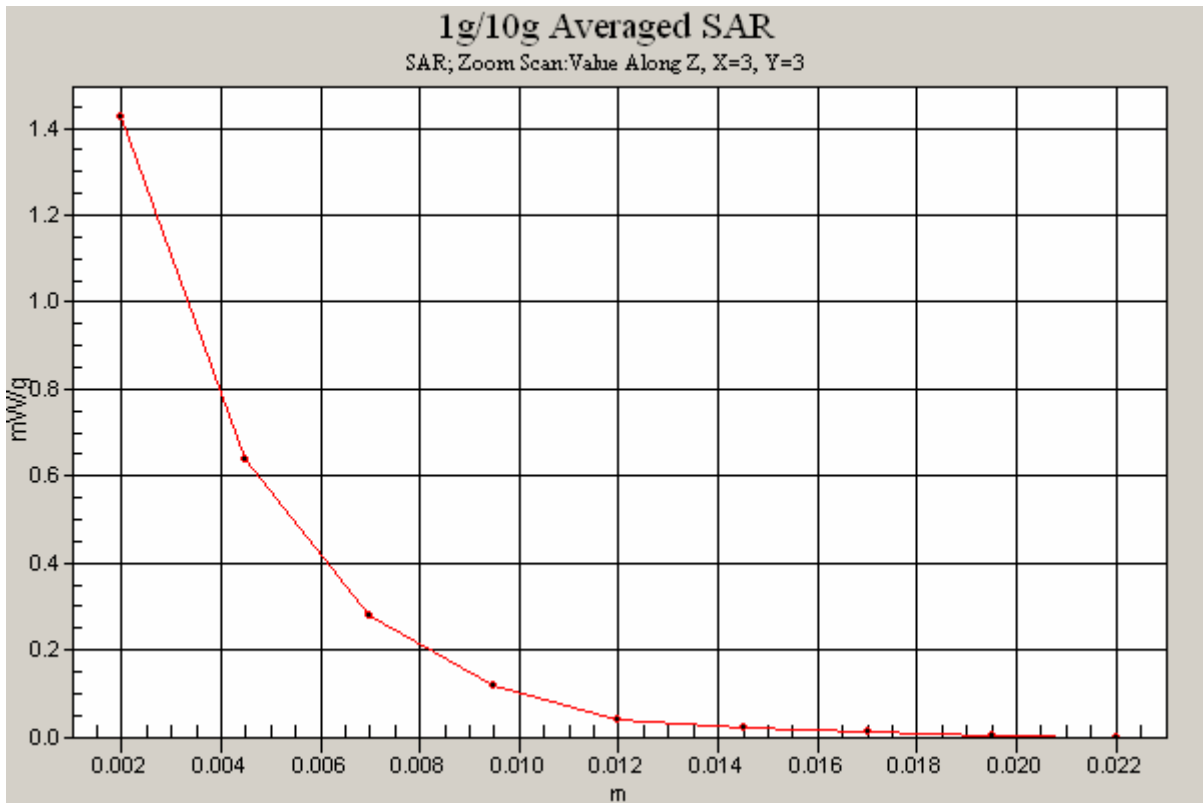
0 dB = 1.43mW/g

SAR MEASUREMENT PLOT 16

Ambient Temperature
 Liquid Temperature
 Humidity

20.7 Degrees Celsius
 20.5 Degrees Celsius
 48.0 %





Test Date: 18 June 2010

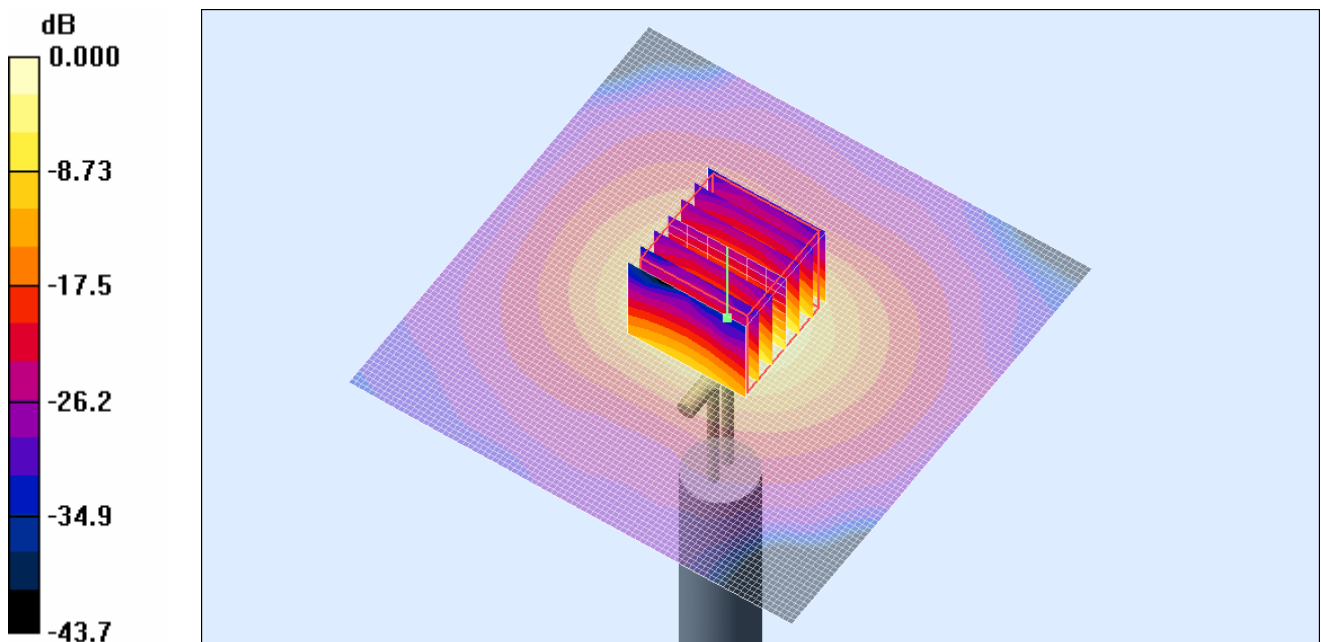
File Name: System Check 5200MHz (DAE 442 Probe SN3563) 18-06-10.da4

DUT: Dipole 5200_5800 MHz; Type: D5GHzV2; Serial: 1008

- * Communication System: CW 5200 MHz; Frequency: 5200 MHz; Duty Cycle: 1:1
- * Medium parameters used: $f = 5196$ MHz; $\sigma = 5.14$ mho/m; $\epsilon_r = 45.3$; $\rho = 1000$ kg/m³
- Electronics: DAE3 Sn442; Probe: EX3DV4 - SN3563; ConvF(3.92, 3.92, 3.92)
- Phantom: Flat Phantom 10.1; Serial: P 10.1; Phantom section: Flat 2.2 Section

Channel 1 Test/Area Scan (91x91x1): Measurement grid: dx=10mm, dy=10mm
 Maximum value of SAR (interpolated) = 17.3 mW/g

Channel 1 Test/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
 Reference Value = 60.7 V/m; Power Drift = 0.052 dB
 Peak SAR (extrapolated) = 32.2 W/kg
SAR(1 g) = 8.67 mW/g; SAR(10 g) = 2.45 mW/g
 Maximum value of SAR (measured) = 18.0 mW/g



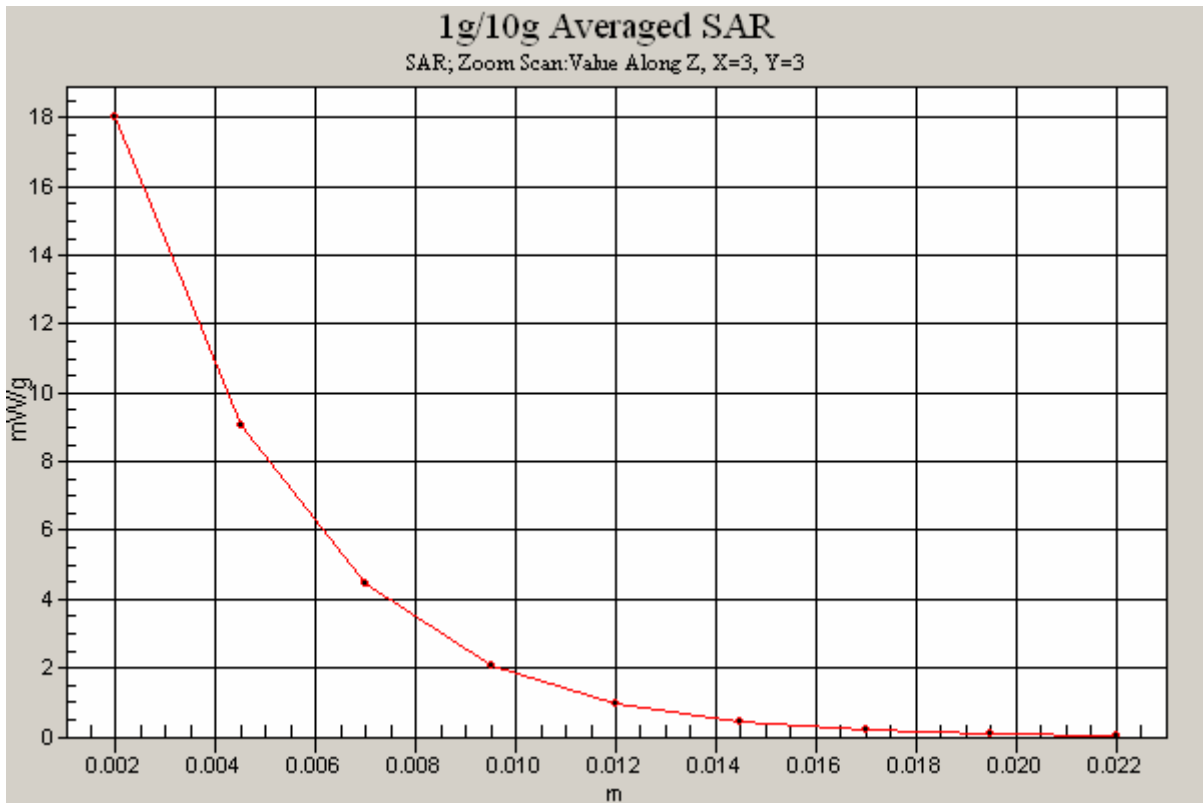
0 dB = 18.0mW/g

SAR MEASUREMENT PLOT 17

Ambient Temperature
Liquid Temperature
Humidity

20.9 Degrees Celsius
20.6 Degrees Celsius
45.0 %





Test Date: 17 June 2010

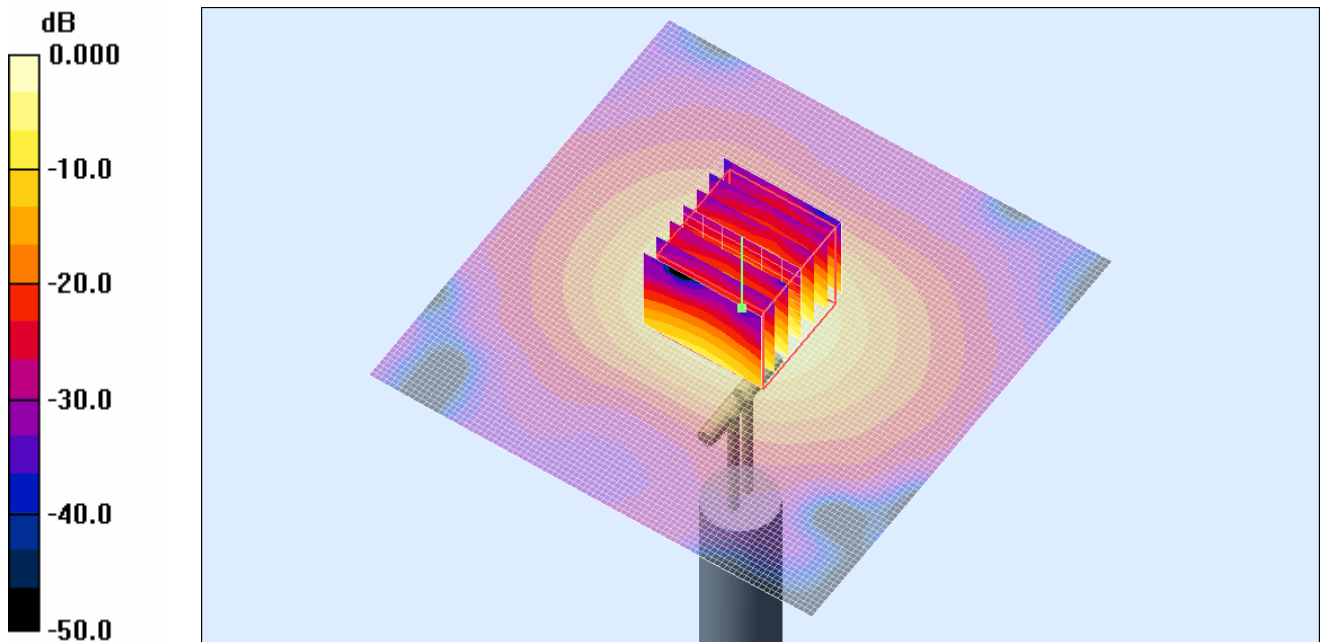
File Name: System Check 5500MHz (DAE 442 Probe SN3563) 17-06-10.da4

DUT: Dipole 5200_5800 MHz; Type: D5GHzV2; Serial: 1008

- * Communication System: CW 5500 MHz; Frequency: 5500 MHz; Duty Cycle: 1:1
- * Medium parameters used: $f = 5500$ MHz; $\sigma = 5.74$ mho/m; $\epsilon_r = 45.3$; $\rho = 1000$ kg/m³
- Electronics: DAE3 Sn442; Probe: EX3DV4 - SN3563; ConvF(3.36, 3.36, 3.36)
- Phantom: Flat Phantom 10.1; Serial: P 10.1; Phantom section: Flat 2.2 Section

Channel 1 Test/Area Scan (91x91x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 18.8 mW/g

Channel 1 Test/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 62.4 V/m; Power Drift = 0.033 dB
Peak SAR (extrapolated) = 35.2 W/kg
SAR(1 g) = 9.35 mW/g; SAR(10 g) = 2.65 mW/g
Maximum value of SAR (measured) = 19.6 mW/g



0 dB = 19.6mW/g

SAR MEASUREMENT PLOT 18

Ambient Temperature
Liquid Temperature
Humidity

20.7 Degrees Celsius
20.5 Degrees Celsius
48.0 %



