

**Test Date: 3 September 2010**

File Name: M100859 Primary Portrait OFDM 5.6 GHz WiFi Antenna B (2) 03-09-10.da4

**DUT: Fujitsu Tablet Sparrow with PP 11abgn; Type: 622ANHMW; Serial: MAC: 0023144B9B14**

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

\* Medium parameters used:  $f = 5678.2$  MHz;  $\sigma = 6$  mho/m;  $\epsilon_r = 46.1$ ;  $\rho = 1000$  kg/m<sup>3</sup>

- Electronics: DAE3 Sn442; Probe: EX3DV4 - SN3563; ConvF(3.2, 3.2, 3.2)

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

**Channel 136 Test/Area Scan (71x121x1):** Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 2.34 mW/g

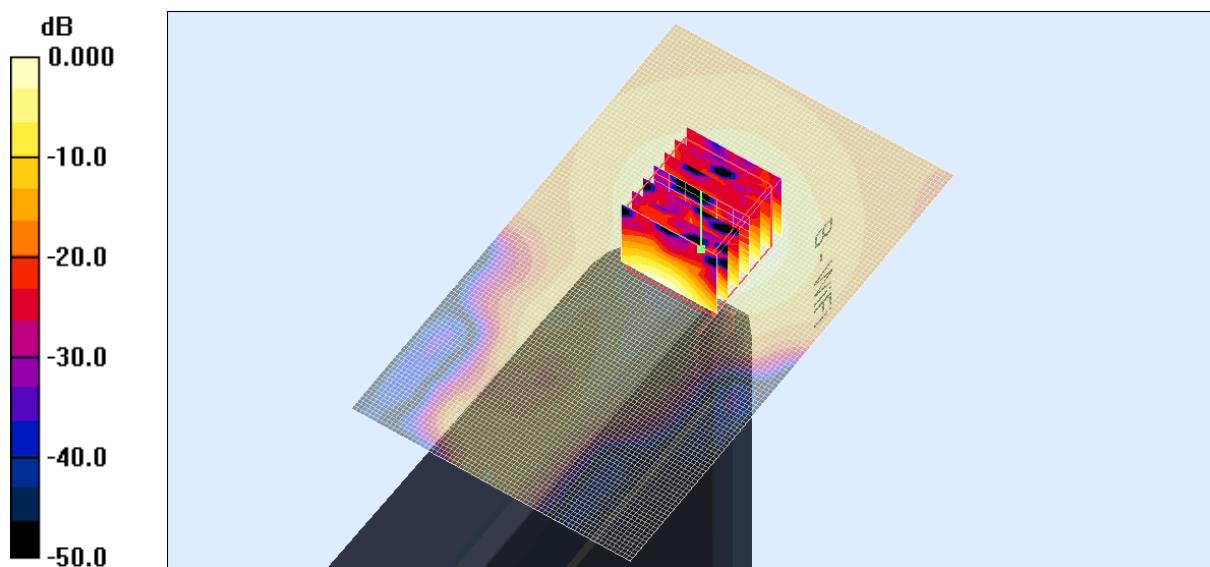
**Channel 136 Test/Zoom Scan (7x7x9)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 15.2 V/m; Power Drift = 0.162 dB

Peak SAR (extrapolated) = 5.06 W/kg

**SAR(1 g) = 1.27 mW/g; SAR(10 g) = 0.435 mW/g**

Maximum value of SAR (measured) = 2.56 mW/g



**SAR MEASUREMENT PLOT 20**

**Ambient Temperature**

**21.2 Degrees Celsius**

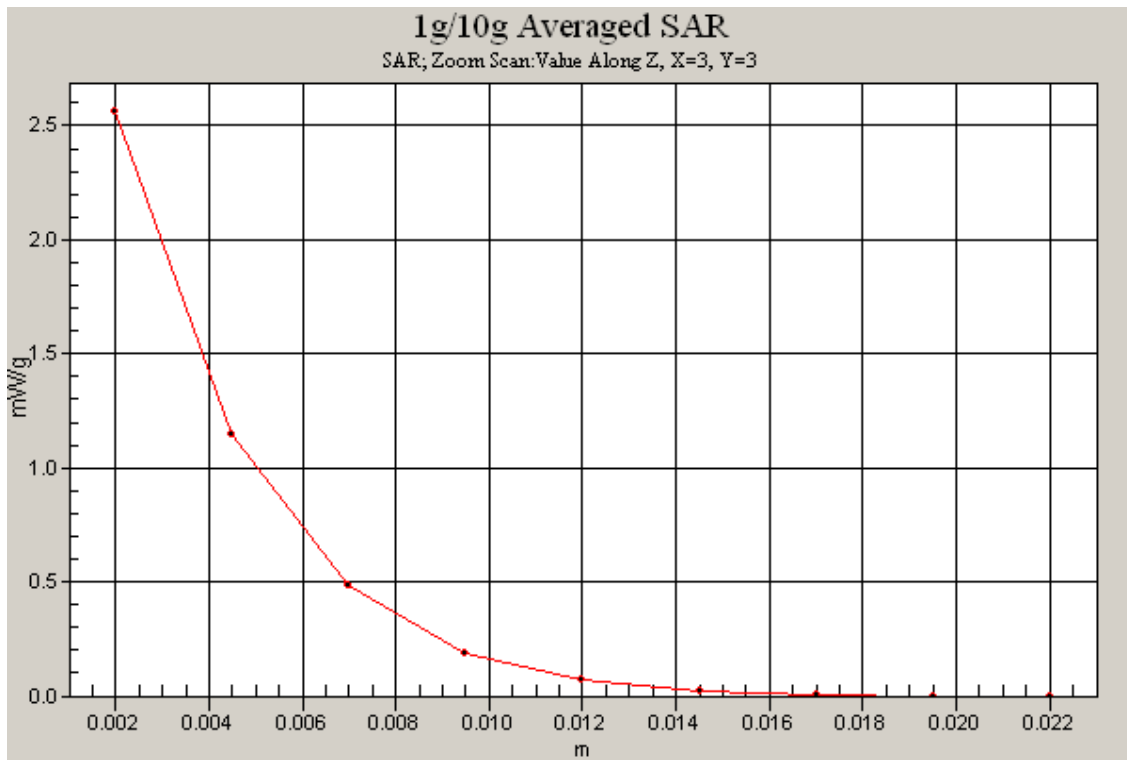
**Liquid Temperature**

**21.0 Degrees Celsius**

**Humidity**

**38.0 %**





**Test Date: 17 September 2010**

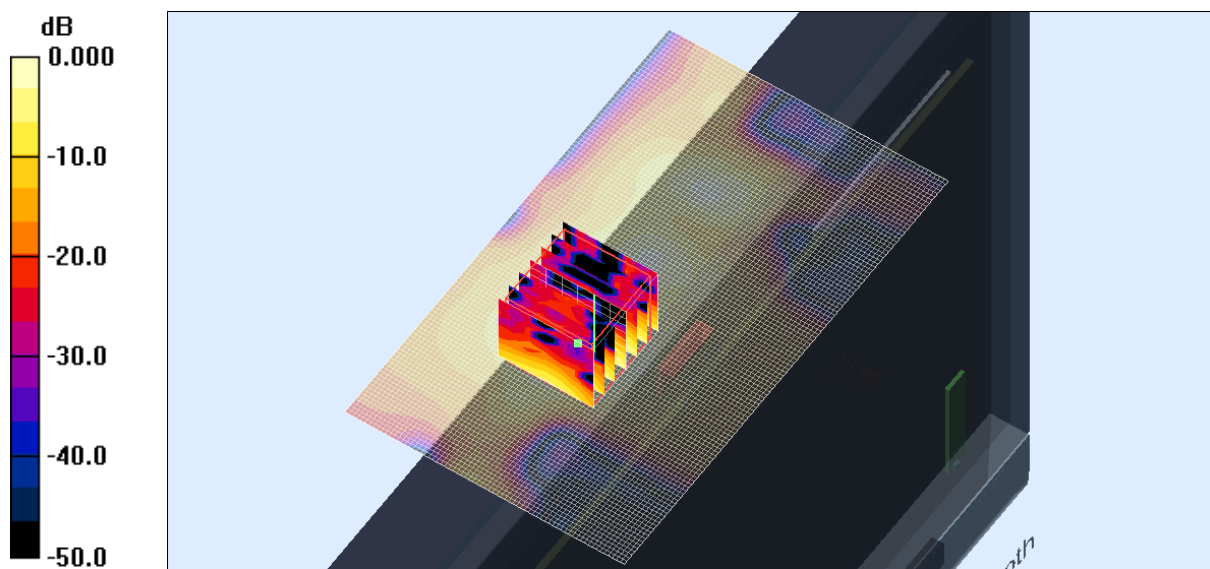
File Name: M100859 Secondary Landscape (-1 dB) OFDM 5.6 GHz WiFi Antenna A (1) 17-09-10.da4

**DUT: Fujitsu Tablet Sparrow with PP 11abgn; Type: 622ANHMW; Serial: MAC: 0023144B9B14**

- \* Communication System: OFDM 5600 MHz; Frequency: 5520 MHz; Duty Cycle: 1:1
- \* Medium parameters used:  $f = 5519.8$  MHz;  $\sigma = 5.79$  mho/m;  $\epsilon_r = 44.3$ ;  $\rho = 1000$  kg/m<sup>3</sup>
- Electronics: DAE3 Sn442; Probe: EX3DV4 - SN3563; ConvF(3.2, 3.2, 3.2)
- Phantom: Flat Phantom 10.1; Serial: P 10.1; Phantom section: Flat 2.2 Section

**Channel 104 Test/Area Scan (71x121x1):** Measurement grid: dx=10mm, dy=10mm  
 Maximum value of SAR (interpolated) = 2.05 mW/g

**Channel 104 Test/Zoom Scan (7x7x9)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=2.5mm  
 Reference Value = 6.28 V/m; Power Drift = 0.030 dB  
 Peak SAR (extrapolated) = 4.04 W/kg  
**SAR(1 g) = 1.06 mW/g; SAR(10 g) = 0.313 mW/g**  
 Maximum value of SAR (measured) = 2.20 mW/g



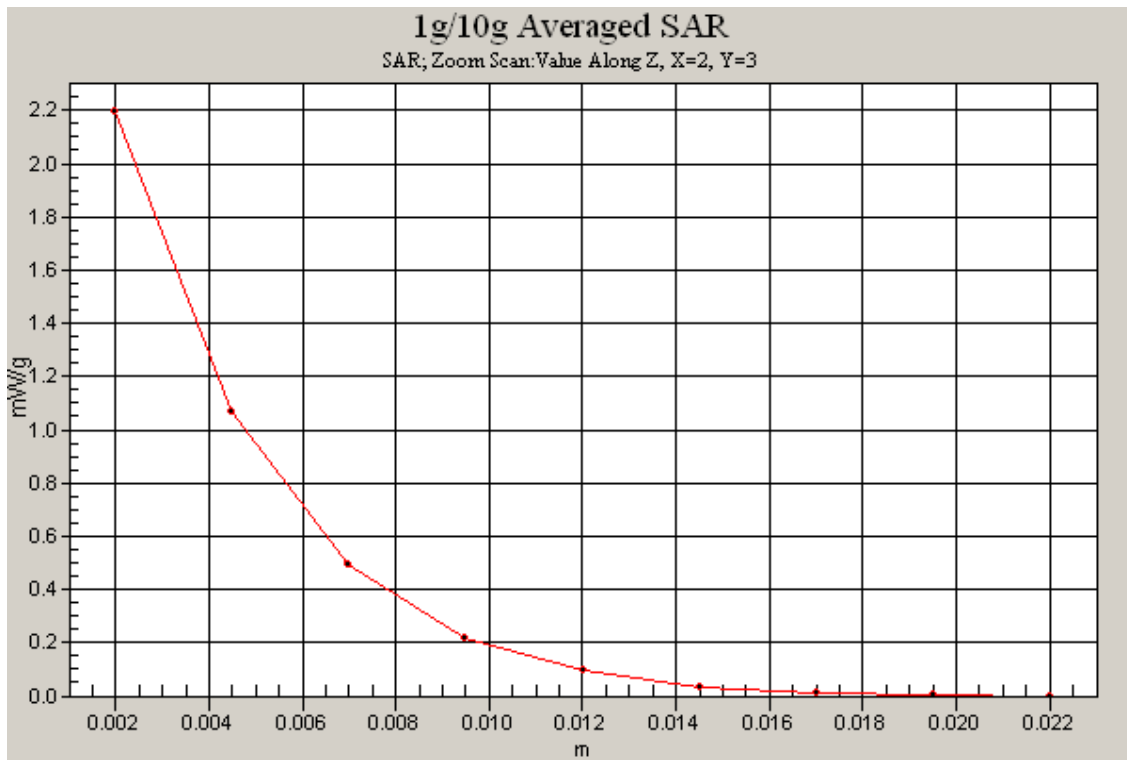
0 dB = 2.20mW/g

**SAR MEASUREMENT PLOT 21**

**Ambient Temperature**  
**Liquid Temperature**  
**Humidity**

**21.2 Degrees Celsius**  
**21.0 Degrees Celsius**  
**36.0 %**





**Test Date: 17 September 2010**

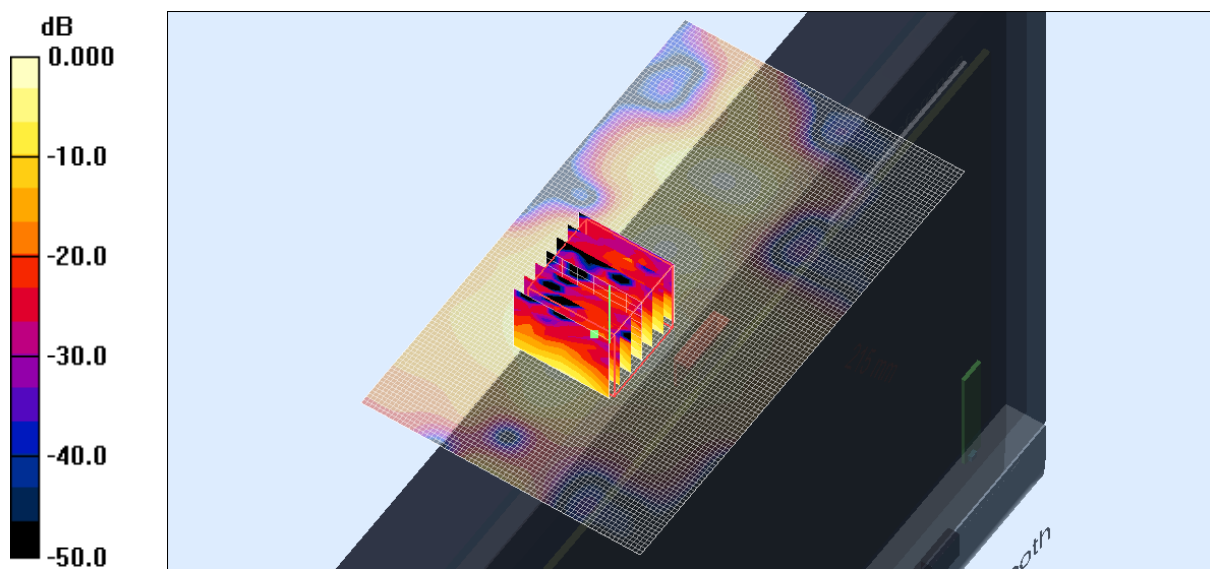
File Name: M100859 Secondary Landscape (-1 dB) OFDM 5.6 GHz WiFi Antenna A (1) 17-09-10.da4

**DUT: Fujitsu Tablet Sparrow with PP 11abgn; Type: 622ANHMW; Serial: MAC: 0023144B9B14**

- \* Communication System: OFDM 5600 MHz; Frequency: 5580 MHz; Duty Cycle: 1:1
- \* Medium parameters used:  $f = 5579.2$  MHz;  $\sigma = 5.88$  mho/m;  $\epsilon_r = 44.1$ ;  $\rho = 1000$  kg/m<sup>3</sup>
- Electronics: DAE3 Sn442; Probe: EX3DV4 - SN3563; ConvF(3.2, 3.2, 3.2)
- Phantom: Flat Phantom 10.1; Serial: P 10.1; Phantom section: Flat 2.2 Section

**Channel 116 Test/Area Scan (71x121x1):** Measurement grid: dx=10mm, dy=10mm  
 Maximum value of SAR (interpolated) = 1.98 mW/g

**Channel 116 Test/Zoom Scan (7x7x9)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=2.5mm  
 Reference Value = 5.41 V/m; Power Drift = 0.068 dB  
 Peak SAR (extrapolated) = 3.93 W/kg  
**SAR(1 g) = 0.990 mW/g; SAR(10 g) = 0.290 mW/g**  
 Maximum value of SAR (measured) = 2.09 mW/g



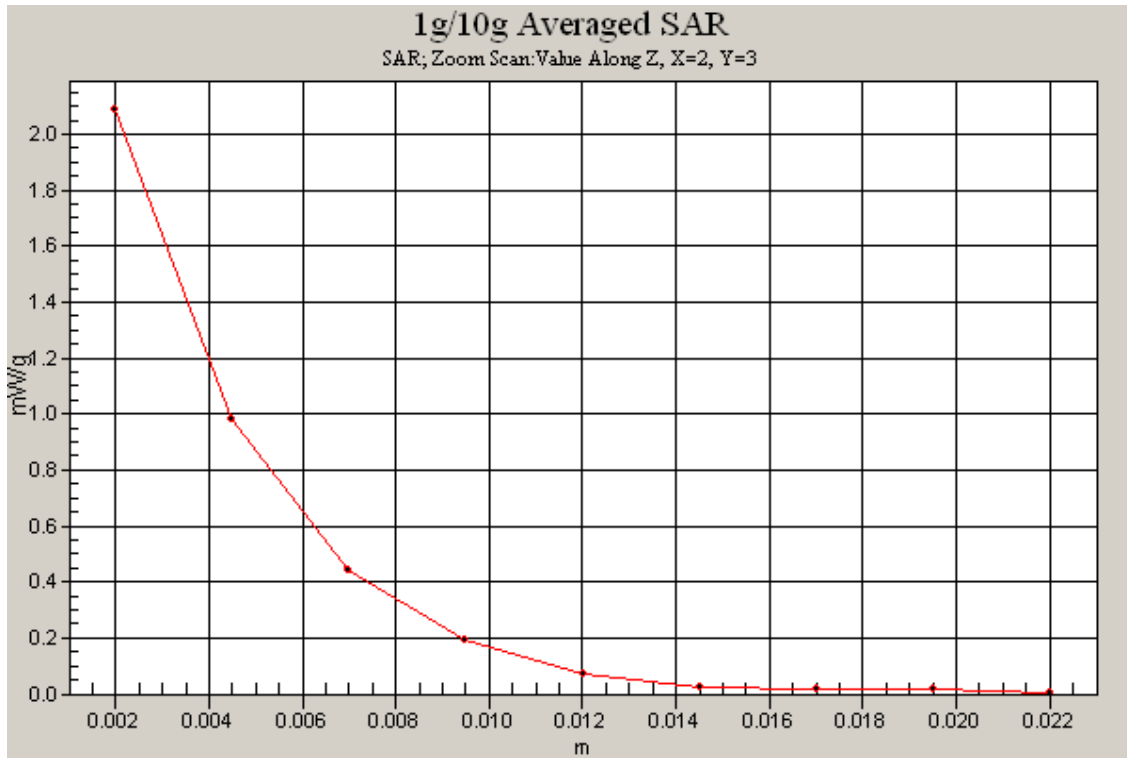
0 dB = 2.09mW/g

**SAR MEASUREMENT PLOT 22**

**Ambient Temperature**  
**Liquid Temperature**  
**Humidity**

**21.2 Degrees Celsius**  
**21.0 Degrees Celsius**  
**36.0 %**





Test Date: 17 September 2010

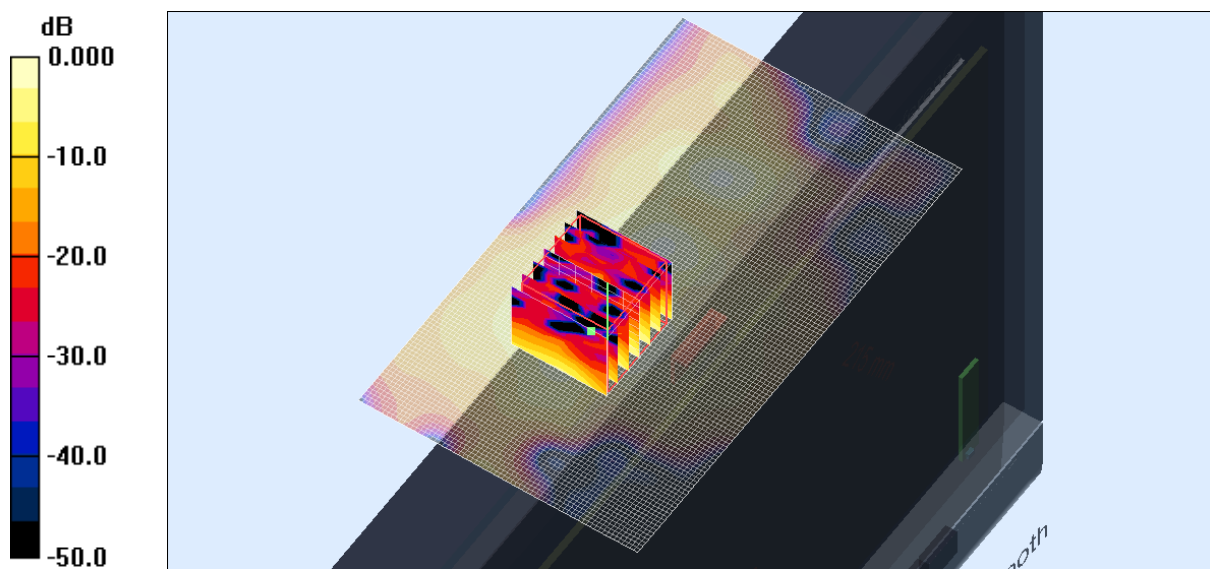
File Name: M100859 Secondary Landscape (-1 dB) OFDM 5.6 GHz WiFi Antenna A (1) 17-09-10.da4

DUT: Fujitsu Tablet Sparrow with PP 11abgn; Type: 622ANHMW; Serial: MAC: 0023144B9B14

- \* Communication System: OFDM 5600 MHz; Frequency: 5620 MHz; Duty Cycle: 1:1
- \* Medium parameters used:  $f = 5618.8$  MHz;  $\sigma = 5.94$  mho/m;  $\epsilon_r = 44$ ;  $\rho = 1000$  kg/m<sup>3</sup>
- Electronics: DAE3 Sn442; Probe: EX3DV4 - SN3563; ConvF(3.2, 3.2, 3.2)
- Phantom: Flat Phantom 10.1; Serial: P 10.1; Phantom section: Flat 2.2 Section

**Channel 124 Test/Area Scan (71x121x1):** Measurement grid: dx=10mm, dy=10mm  
 Maximum value of SAR (interpolated) = 2.22 mW/g

**Channel 124 Test/Zoom Scan (7x7x9)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=2.5mm  
 Reference Value = 5.73 V/m; Power Drift = -0.045 dB  
 Peak SAR (extrapolated) = 4.24 W/kg  
**SAR(1 g) = 1.08 mW/g; SAR(10 g) = 0.321 mW/g**  
 Maximum value of SAR (measured) = 2.21 mW/g

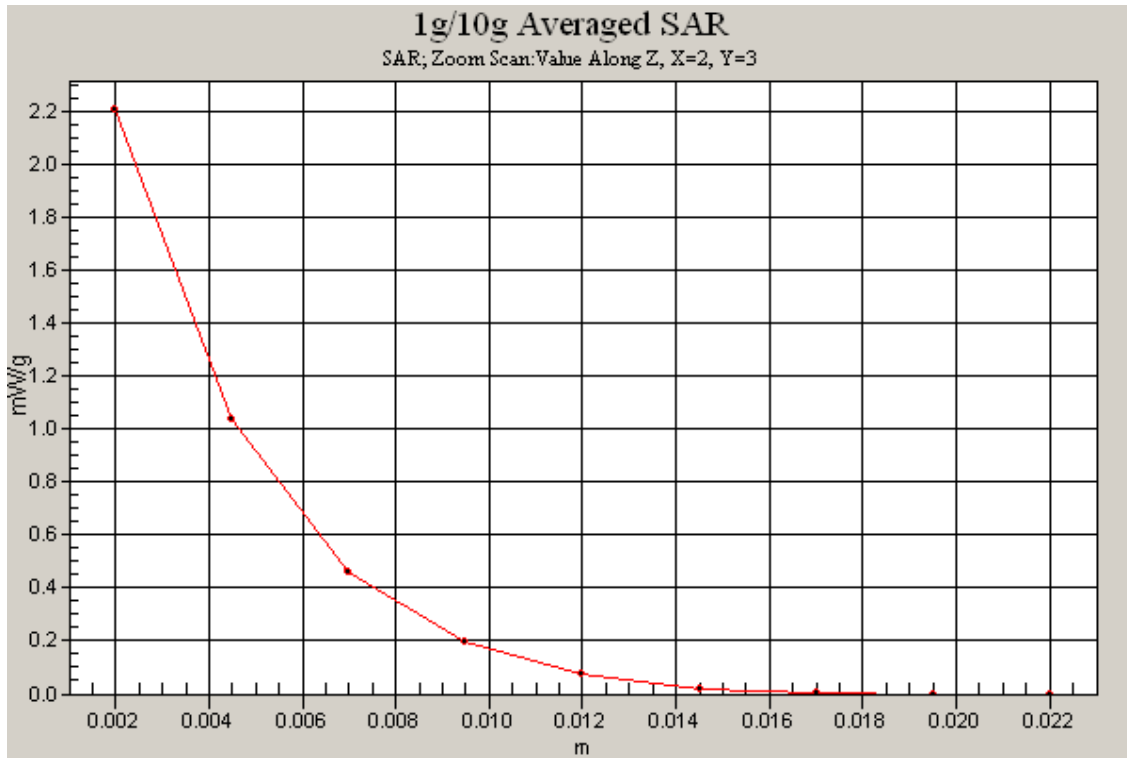


0 dB = 2.21mW/g

**SAR MEASUREMENT PLOT 23**

Ambient Temperature  
 Liquid Temperature  
 Humidity

21.2 Degrees Celsius  
 21.0 Degrees Celsius  
 36.0 %





**Test Date: 17 September 2010**

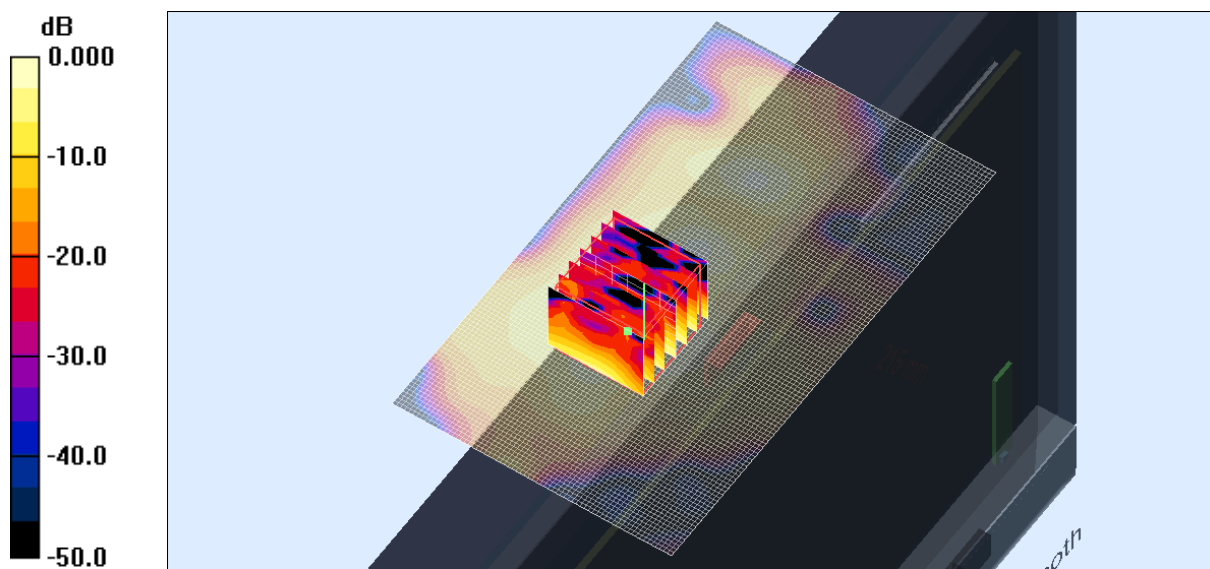
File Name: M100859 Secondary Landscape (-1 dB) OFDM 5.6 GHz WiFi Antenna A (1) 17-09-10.da4

**DUT: Fujitsu Tablet Sparrow with PP 11abgn; Type: 622ANHMW; Serial: MAC: 0023144B9B14**

- \* Communication System: OFDM 5600 MHz; Frequency: 5680 MHz; Duty Cycle: 1:1
- \* Medium parameters used:  $f = 5678.2$  MHz;  $\sigma = 6.04$  mho/m;  $\epsilon_r = 43.8$ ;  $\rho = 1000$  kg/m<sup>3</sup>
- Electronics: DAE3 Sn442; Probe: EX3DV4 - SN3563; ConvF(3.2, 3.2, 3.2)
- Phantom: Flat Phantom 10.1; Serial: P 10.1; Phantom section: Flat 2.2 Section

**Channel 136 Test/Area Scan (71x121x1):** Measurement grid: dx=10mm, dy=10mm  
 Maximum value of SAR (interpolated) = 1.94 mW/g

**Channel 136 Test/Zoom Scan (7x7x9)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=2.5mm  
 Reference Value = 5.56 V/m; Power Drift = -0.356 dB  
 Peak SAR (extrapolated) = 3.75 W/kg  
**SAR(1 g) = 0.960 mW/g; SAR(10 g) = 0.294 mW/g**  
 Maximum value of SAR (measured) = 1.92 mW/g



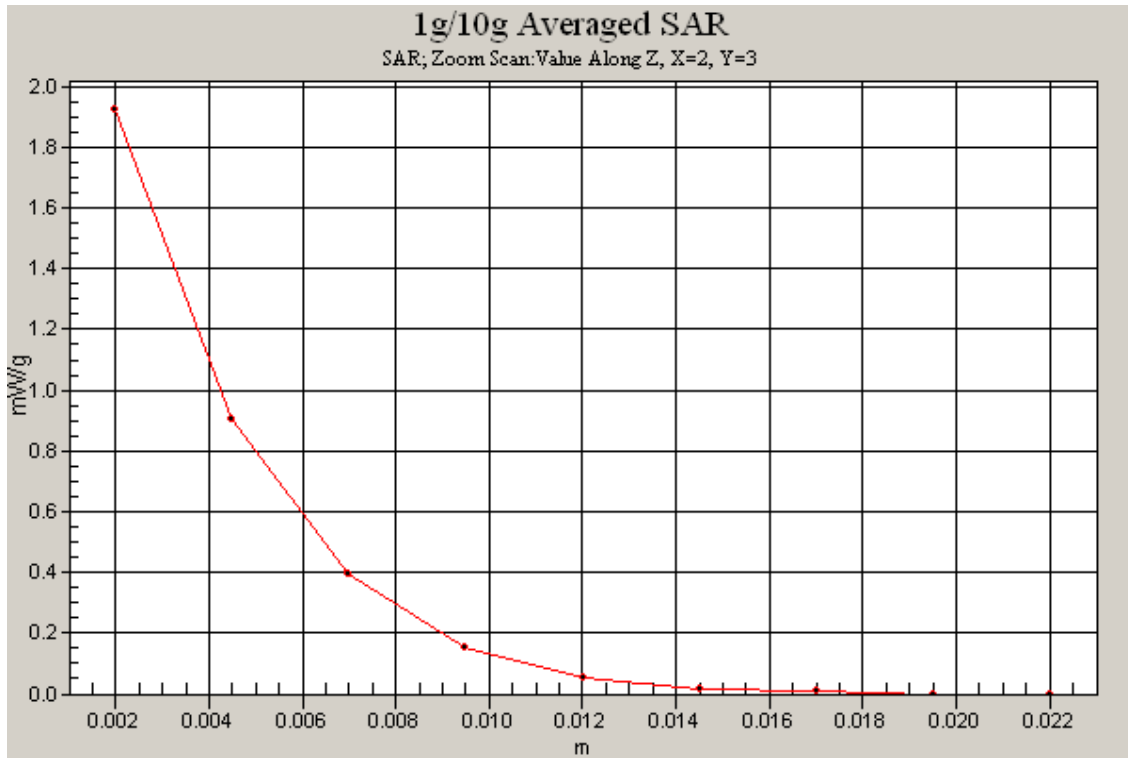
0 dB = 1.92mW/g

**SAR MEASUREMENT PLOT 24**

**Ambient Temperature**  
**Liquid Temperature**  
**Humidity**

**21.2 Degrees Celsius**  
**21.0 Degrees Celsius**  
**36.0 %**





Test Date: 6 September 2010

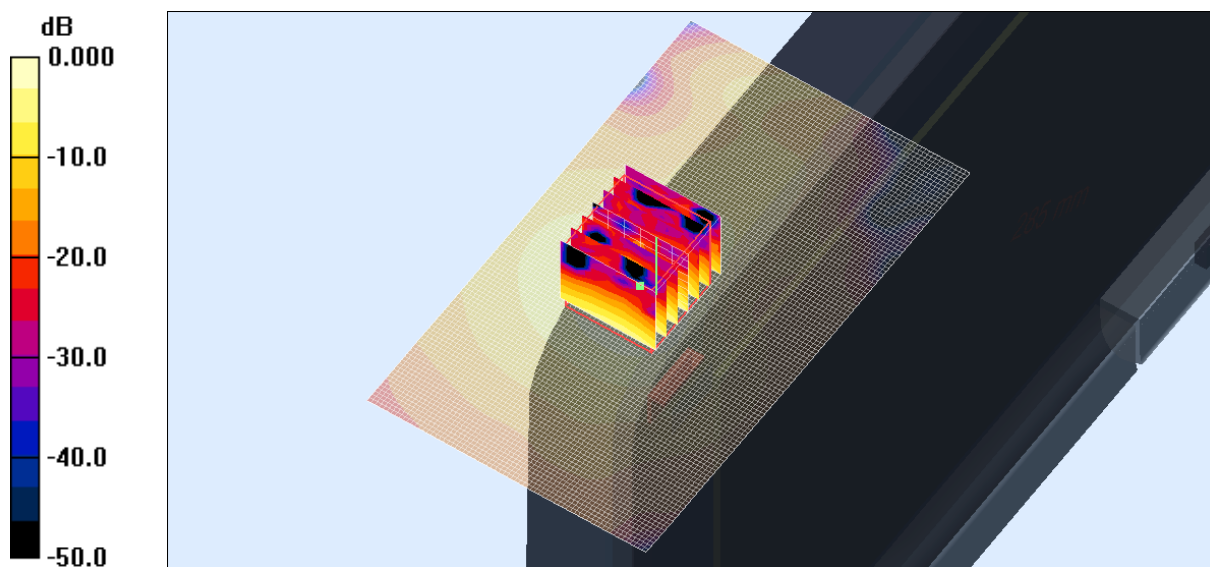
File Name: M100859 Secondary Landscape (-1 dB) OFDM 5.6 GHz WiFi Antenna B (2) 06-09-10.da4

DUT: Fujitsu Tablet Sparrow with PP 11abgn; Type: 622ANHMW; Serial: MAC: 0023144B9B14

- \* Communication System: OFDM 5600 MHz; Frequency: 5520 MHz; Duty Cycle: 1:1
- \* Medium parameters used:  $f = 5519.8$  MHz;  $\sigma = 5.73$  mho/m;  $\epsilon_r = 45.1$ ;  $\rho = 1000$  kg/m<sup>3</sup>
- Electronics: DAE3 Sn442; Probe: EX3DV4 - SN3563; ConvF(3.2, 3.2, 3.2)
- Phantom: Flat Phantom 10.1; Serial: P 10.1; Phantom section: Flat 2.2 Section

**Channel 104 Test/Area Scan (71x121x1):** Measurement grid: dx=10mm, dy=10mm  
 Maximum value of SAR (interpolated) = 2.41 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 = -0.211 dB  
 Peak SAR (extrapolated) = 5.04 W/kg  
**SAR(1 g) = 1.32 mW/g; SAR(10 g) = 0.403 mW/g**  
 Maximum value of SAR (measured) = 2.75 mW/g



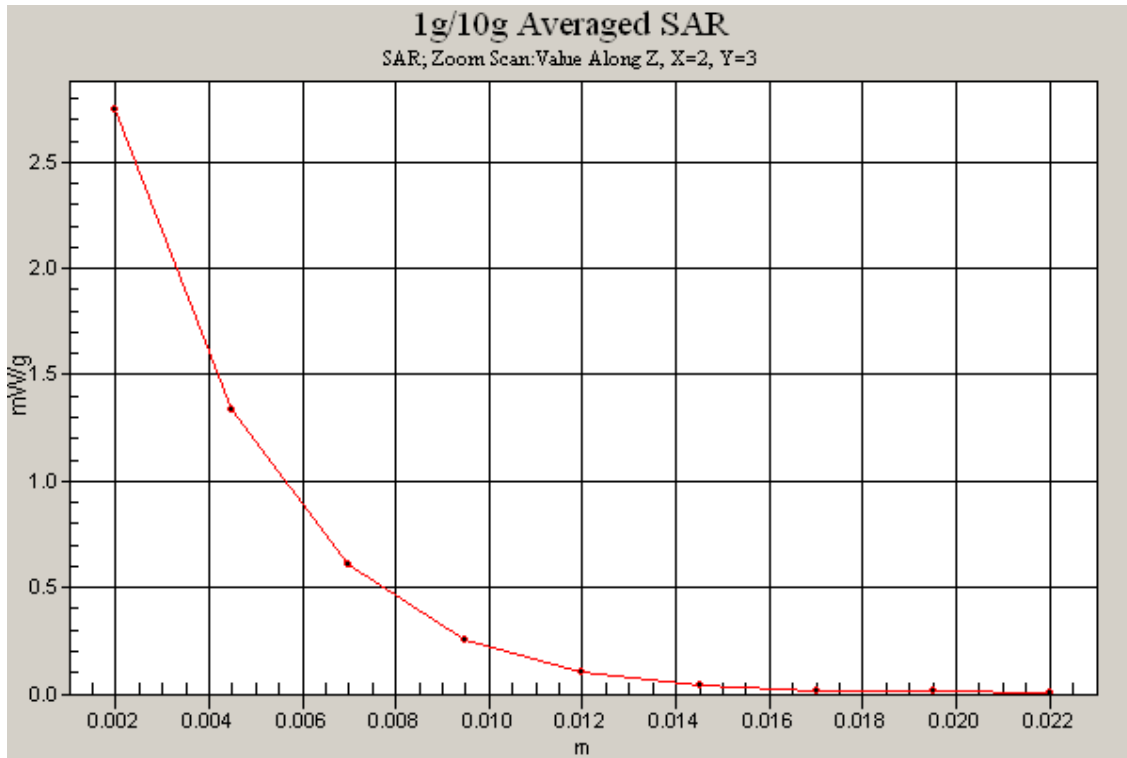
0 dB = 2.75mW/g

**SAR MEASUREMENT PLOT 25**

Ambient Temperature  
 Liquid Temperature  
 Humidity

21.5 Degrees Celsius  
 21.2 Degrees Celsius  
 41.0 %





Test Date: 6 September 2010

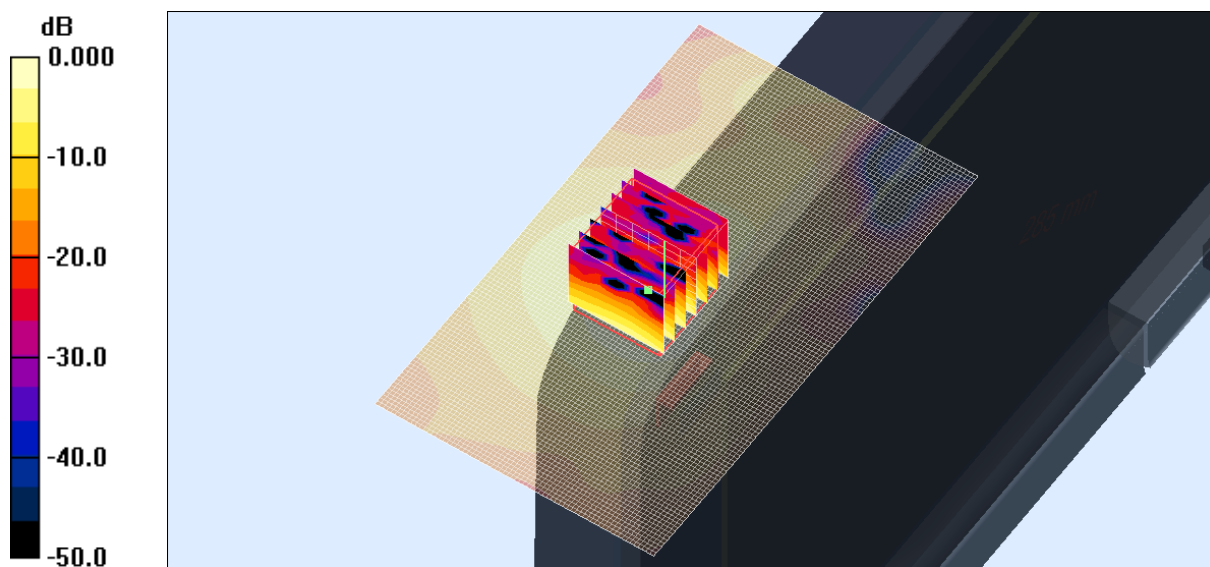
File Name: M100859 Secondary Landscape (-1 dB) OFDM 5.6 GHz WiFi Antenna B (2) 06-09-10.da4

DUT: Fujitsu Tablet Sparrow with PP 11abgn; Type: 622ANHMW; Serial: MAC: 0023144B9B14

- \* Communication System: OFDM 5600 MHz; Frequency: 5580 MHz; Duty Cycle: 1:1
- \* Medium parameters used:  $f = 5579.2$  MHz;  $\sigma = 5.84$  mho/m;  $\epsilon_r = 44.8$ ;  $\rho = 1000$  kg/m<sup>3</sup>
- Electronics: DAE3 Sn442; Probe: EX3DV4 - SN3563; ConvF(3.2, 3.2, 3.2)
- Phantom: Flat Phantom 10.1; Serial: P 10.1; Phantom section: Flat 2.2 Section

**Channel 116 Test/Area Scan (71x121x1):** Measurement grid: dx=10mm, dy=10mm  
 Maximum value of SAR (interpolated) = 2.18 mW/g

**Channel 116 Test/Zoom Scan (7x7x9)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=2.5mm  
 Reference Value = 11.6 V/m; Power Drift = -0.049 dB  
 Peak SAR (extrapolated) = 4.64 W/kg  
**SAR(1 g) = 1.21 mW/g; SAR(10 g) = 0.369 mW/g**  
 Maximum value of SAR (measured) = 2.54 mW/g

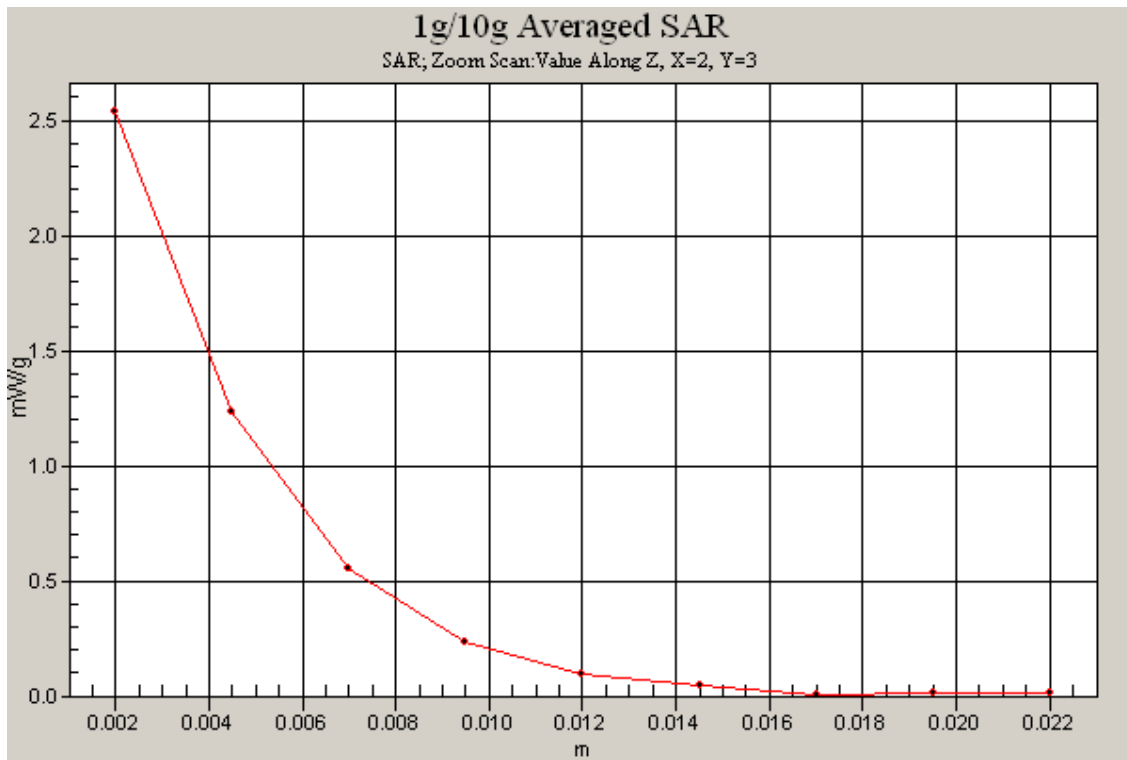


0 dB = 2.54mW/g

SAR MEASUREMENT PLOT 26

Ambient Temperature  
 Liquid Temperature  
 Humidity

21.5 Degrees Celsius  
 21.2 Degrees Celsius  
 41.0 %



Test Date: 6 September 2010

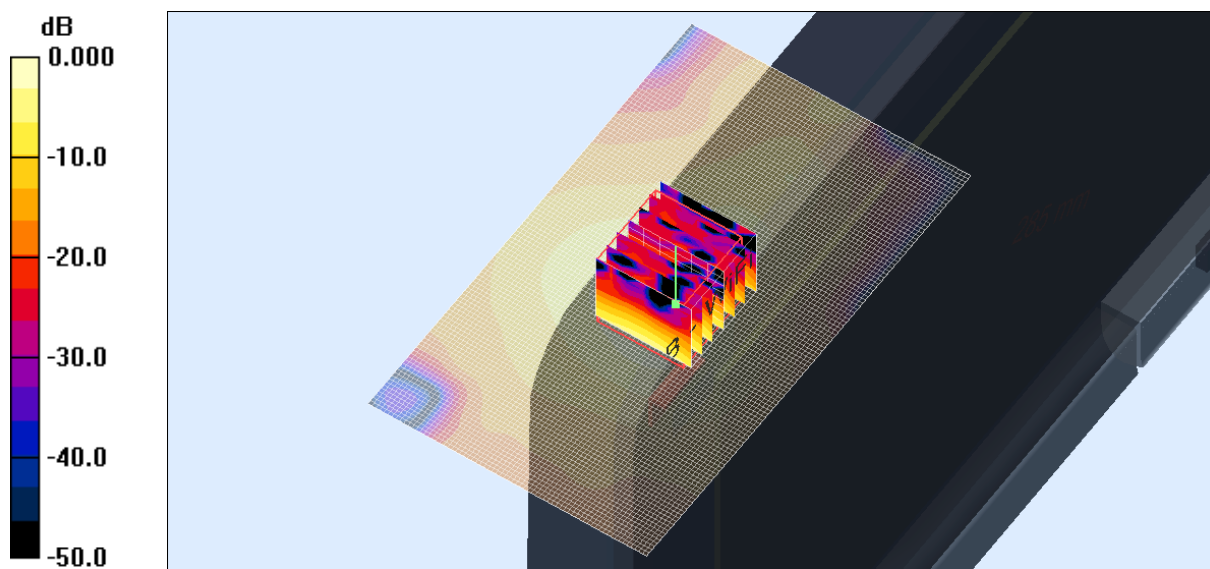
File Name: M100859 Secondary Landscape (-1 dB) OFDM 5.6 GHz WiFi Antenna B (2) 06-09-10.da4

DUT: Fujitsu Tablet Sparrow with PP 11abgn; Type: 622ANHMW; Serial: MAC: 0023144B9B14

- \* Communication System: OFDM 5600 MHz; Frequency: 5620 MHz; Duty Cycle: 1:1
- \* Medium parameters used:  $f = 5618.8$  MHz;  $\sigma = 5.91$  mho/m;  $\epsilon_r = 44.7$ ;  $\rho = 1000$  kg/m<sup>3</sup>
- Electronics: DAE3 Sn442; Probe: EX3DV4 - SN3563; ConvF(3.2, 3.2, 3.2)
- Phantom: Flat Phantom 10.1; Serial: P 10.1; Phantom section: Flat 2.2 Section

**Channel 124 Test/Area Scan (71x121x1):** Measurement grid: dx=10mm, dy=10mm  
 Maximum value of SAR (interpolated) = 2.26 mW/g

**Channel 124 Test/Zoom Scan (7x7x9)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=2.5mm  
 Reference Value = 14.5 V/m; Power Drift = -0.260 dB  
 Peak SAR (extrapolated) = 4.27 W/kg  
**SAR(1 g) = 1.08 mW/g; SAR(10 g) = 0.326 mW/g**  
 Maximum value of SAR (measured) = 2.31 mW/g



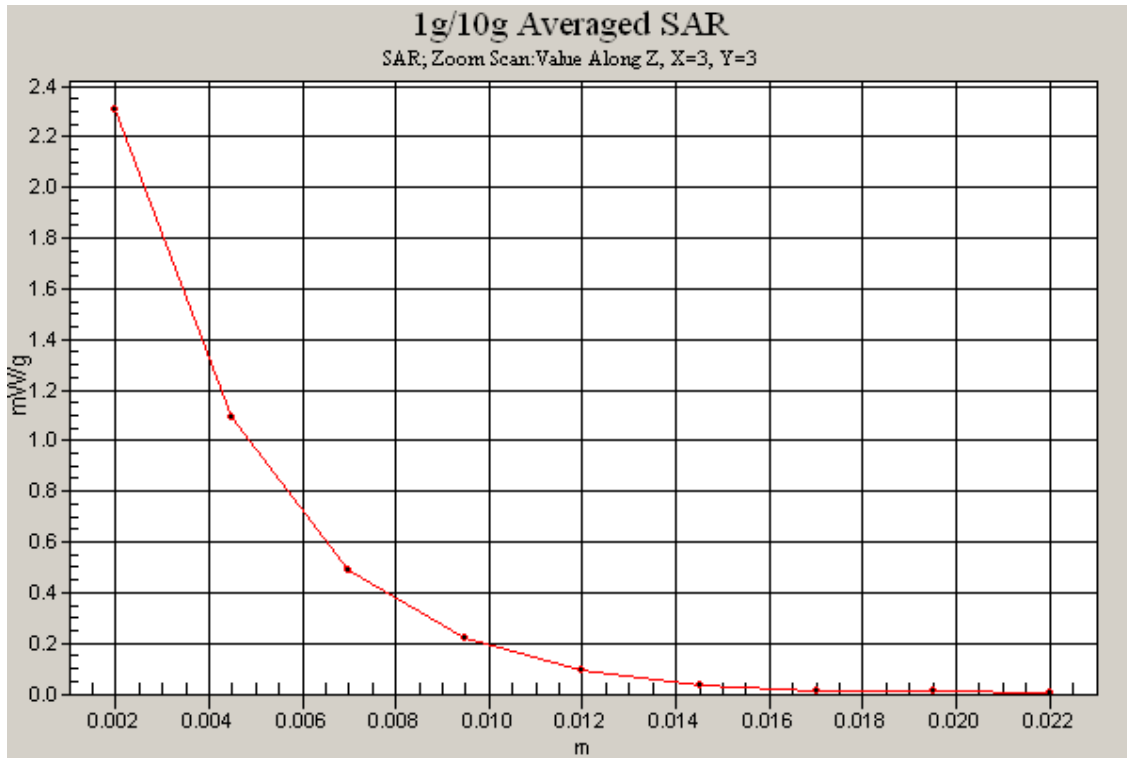
0 dB = 2.31mW/g

**SAR MEASUREMENT PLOT 27**

Ambient Temperature  
 Liquid Temperature  
 Humidity

21.5 Degrees Celsius  
 21.2 Degrees Celsius  
 41.0 %







**Test Date: 6 September 2010**

File Name: M100859 Secondary Landscape (-1 dB) OFDM 5.6 GHz WiFi Antenna B (2) 06-09-10.da4

**DUT: Fujitsu Tablet Sparrow with PP 11abgn; Type: 622ANHMW; Serial: MAC: 0023144B9B14**

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

\* Medium parameters used:  $f = 5678.2$  MHz;  $\sigma = 6$  mho/m;  $\epsilon_r = 44.5$ ;  $\rho = 1000$  kg/m<sup>3</sup>

- Electronics: DAE3 Sn442; Probe: EX3DV4 - SN3563; ConvF(3.2, 3.2, 3.2)

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

**Channel 136 Test/Area Scan (71x121x1):** Measurement grid: dx=10mm, dy=10mm

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

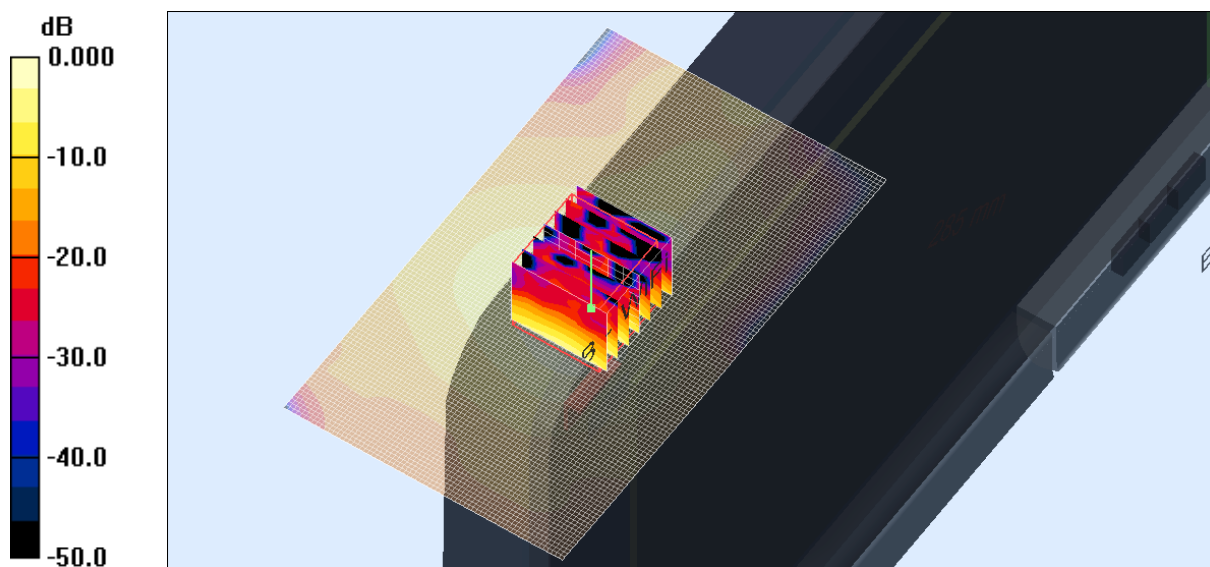
**Channel 136 Test/Zoom Scan (7x7x9)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 16.0 V/m; Power Drift = -0.261 dB

Peak SAR (extrapolated) = 5.21 W/kg

**SAR(1 g) = 1.31 mW/g; SAR(10 g) = 0.392 mW/g**

Maximum value of SAR (measured) = 2.84 mW/g



**SAR MEASUREMENT PLOT 28**

**Ambient Temperature**

**21.5 Degrees Celsius**

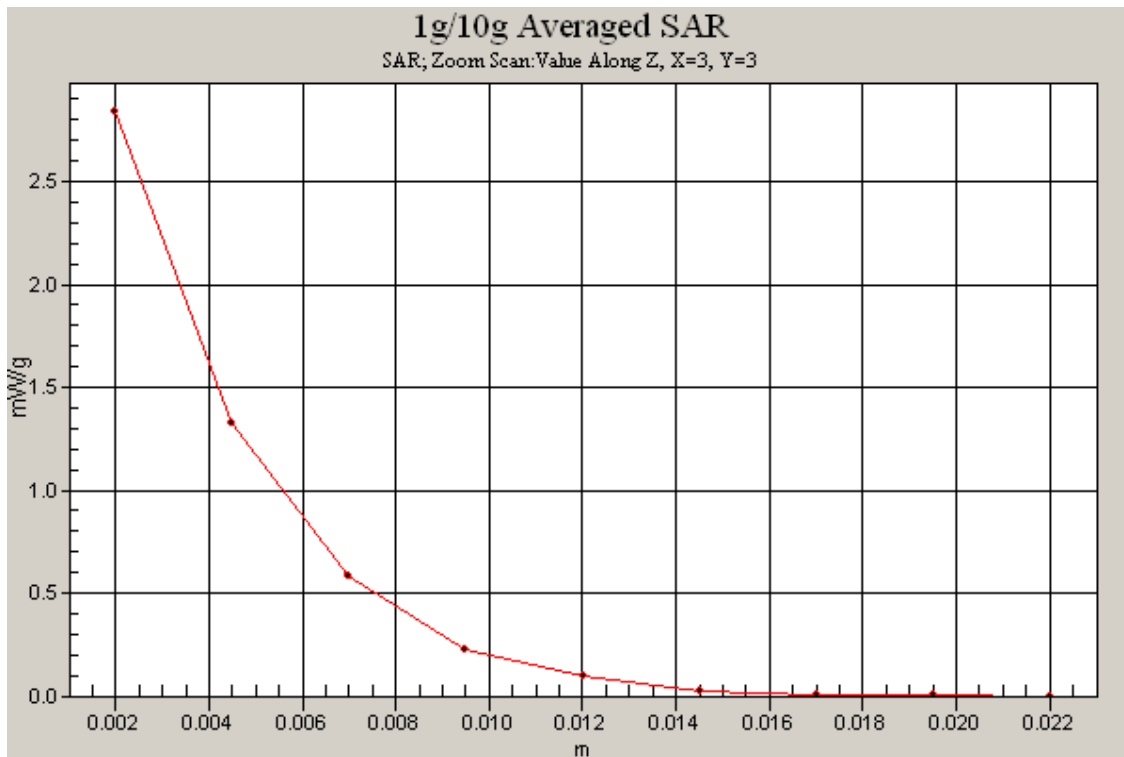
**Liquid Temperature**

**21.2 Degrees Celsius**

**Humidity**

**41.0 %**





**Test Date: 2 September 2010**

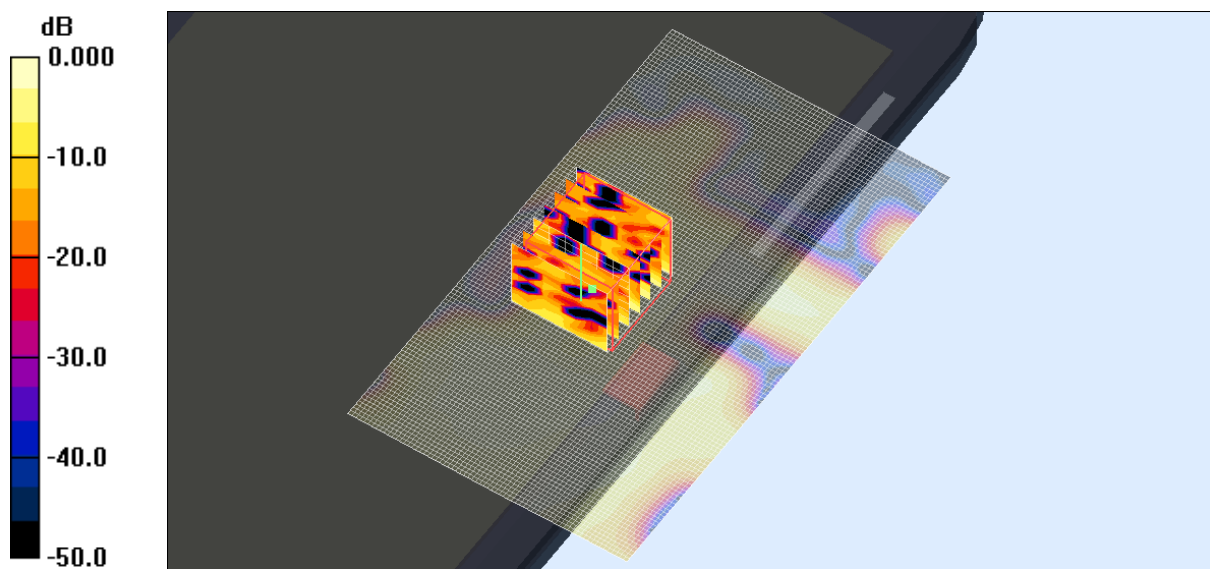
File Name: M100859 Tablet OFDM 5.8 GHz WiFi Antenna A (1) 02-09-10.da4

**DUT: Fujitsu Tablet Sparrow with PP 11abgn; Type: 622ANHMW; Serial: MAC: 0023144B9B14**

- \* Communication System: OFDM 5770 MHz; Frequency: 5785 MHz; Duty Cycle: 1:1
- \* Medium parameters used:  $f = 5788$  MHz;  $\sigma = 6.17$  mho/m;  $\epsilon_r = 44.1$ ;  $\rho = 1000$  kg/m<sup>3</sup>
- Electronics: DAE3 Sn442; Probe: EX3DV4 - SN3563; ConvF(3.25, 3.25, 3.25)
- Phantom: Flat Phantom 10.1; Serial: P 10.1; Phantom section: Flat 2.2 Section

**Channel 157 Test/Area Scan (71x121x1):** Measurement grid: dx=10mm, dy=10mm  
 Maximum value of SAR (interpolated) = 0.338 mW/g

**Channel 157 Test/Zoom Scan (7x7x9)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=2.5mm  
 Reference Value = 1.49 V/m; Power Drift = 0.022 dB  
 Peak SAR (extrapolated) = 0.350 W/kg  
**SAR(1 g) = 0.082 mW/g; SAR(10 g) = 0.023 mW/g**  
 Maximum value of SAR (measured) = 0.207 mW/g



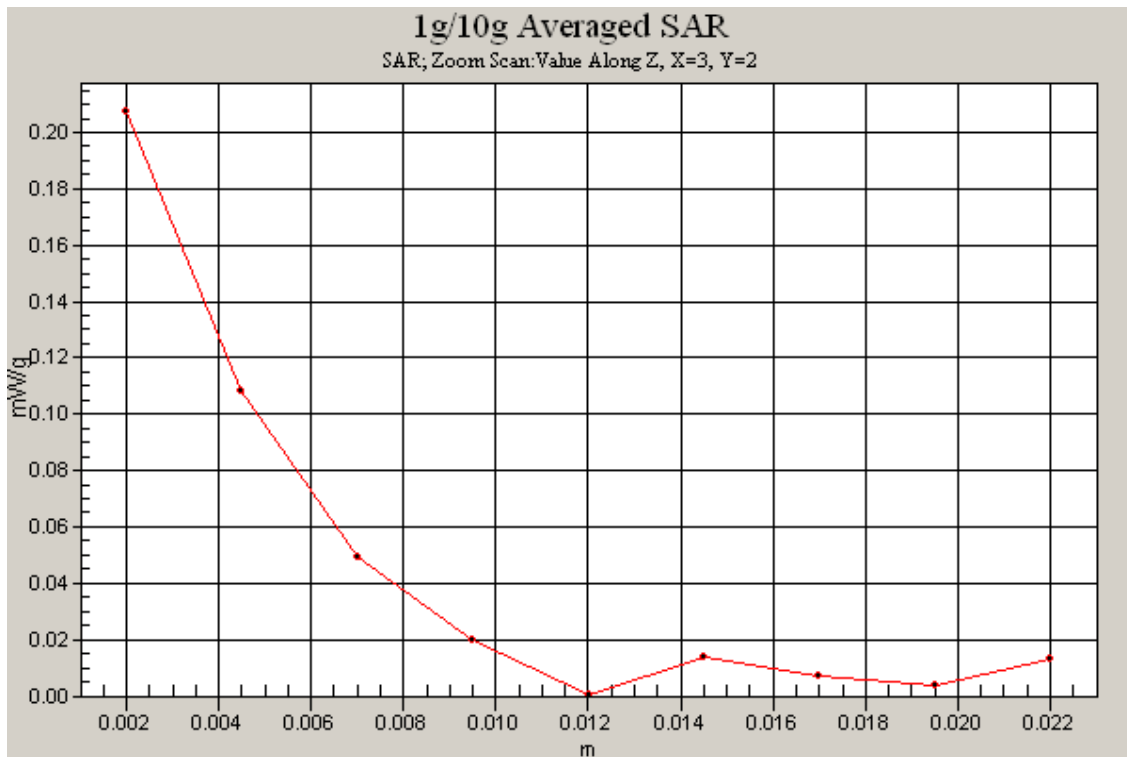
0 dB = 0.207mW/g

**SAR MEASUREMENT PLOT 29**

**Ambient Temperature**  
**Liquid Temperature**  
**Humidity**

**20.9 Degrees Celsius**  
**20.5 Degrees Celsius**  
**46.0 %**





**Test Date: 2 September 2010**

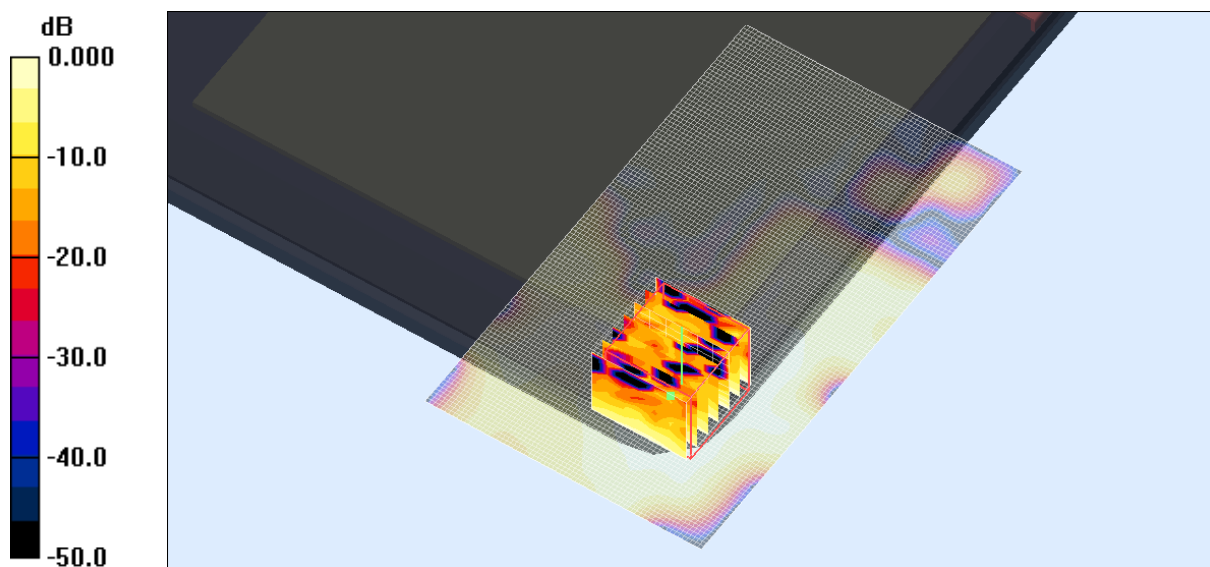
File Name: M100859 Tablet OFDM 5.8 GHz WiFi Antenna B (2) 02-09-10.da4

**DUT: Fujitsu Tablet Sparrow with PP 11abgn; Type: 622ANHMW; Serial: MAC: 0023144B9B14**

- \* Communication System: OFDM 5770 MHz; Frequency: 5785 MHz; Duty Cycle: 1:1
- \* Medium parameters used:  $f = 5788$  MHz;  $\sigma = 6.17$  mho/m;  $\epsilon_r = 44.1$ ;  $\rho = 1000$  kg/m<sup>3</sup>
- Electronics: DAE3 Sn442; Probe: EX3DV4 - SN3563; ConvF(3.25, 3.25, 3.25)
- Phantom: Flat Phantom 10.1; Serial: P 10.1; Phantom section: Flat 2.2 Section

**Channel 157 Test/Area Scan (71x121x1):** Measurement grid: dx=10mm, dy=10mm  
 Maximum value of SAR (interpolated) = 0.197 mW/g

**Channel 157 Test/Zoom Scan (7x7x9)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=2.5mm  
 Reference Value = 3.34 V/m; Power Drift = -0.262 dB  
 Peak SAR (extrapolated) = 0.315 W/kg  
**SAR(1 g) = 0.110 mW/g; SAR(10 g) = 0.040 mW/g**  
 Maximum value of SAR (measured) = 0.214 mW/g



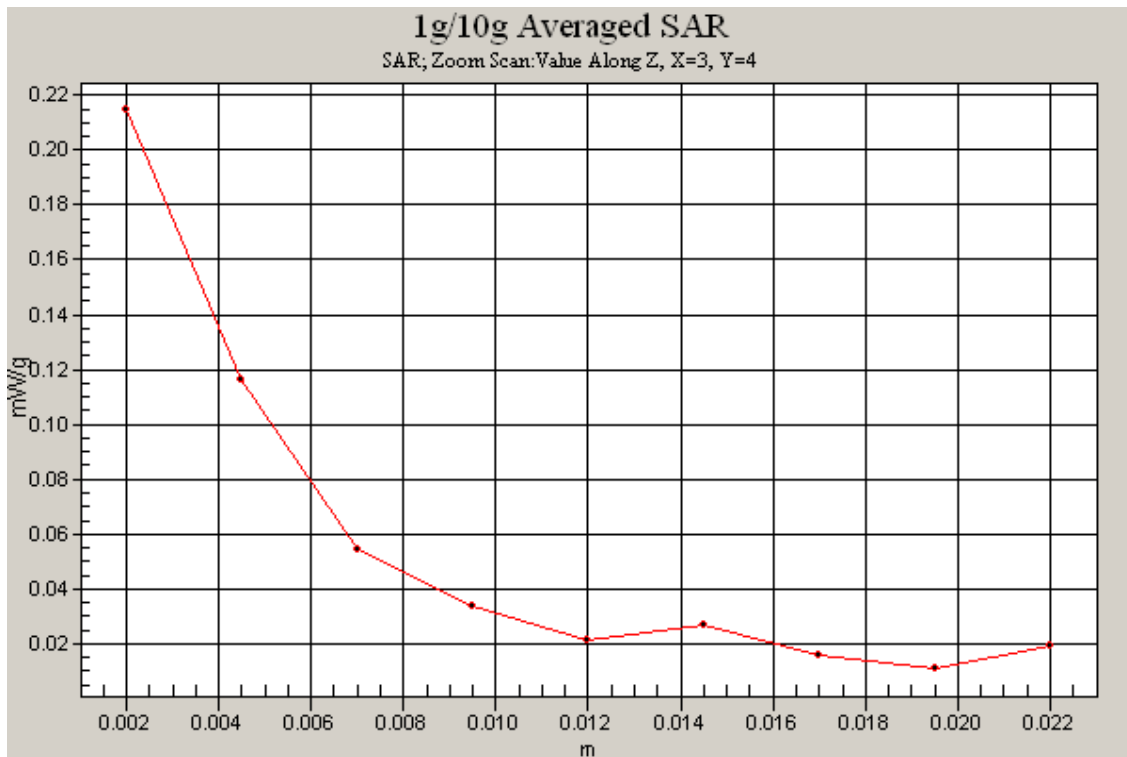
0 dB = 0.214mW/g

**SAR MEASUREMENT PLOT 30**

**Ambient Temperature**  
**Liquid Temperature**  
**Humidity**

**20.9 Degrees Celsius**  
**20.5 Degrees Celsius**  
**46.0 %**





Test Date: 2 September 2010

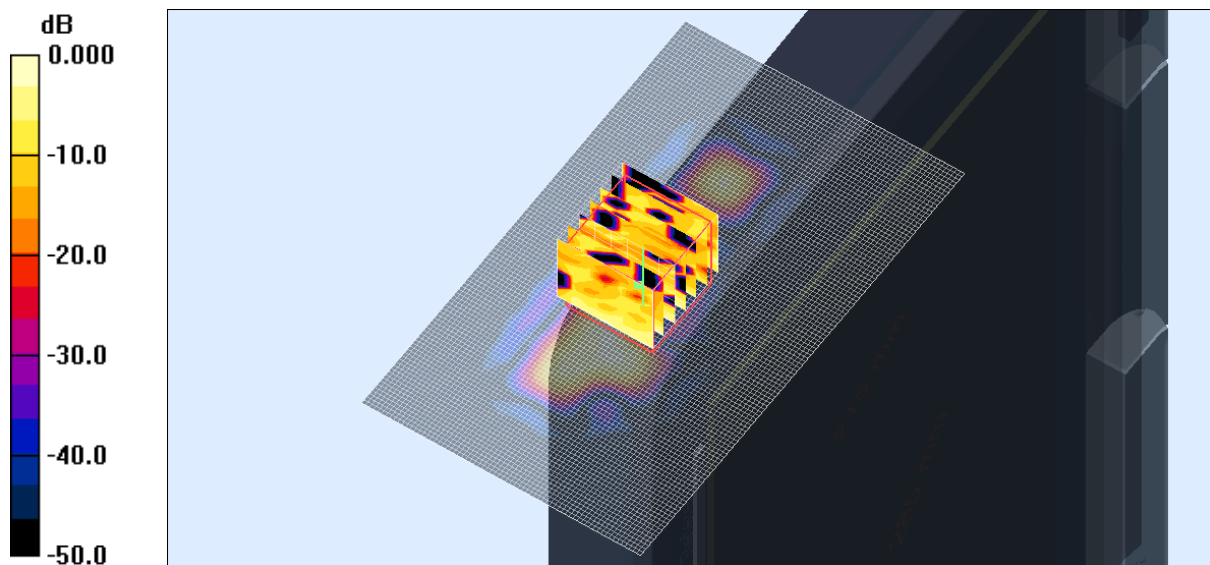
File Name: M100859 Secondary Portrait OFDM 5.8 GHz WiFi Antenna A (1) 02-09-10.da4

DUT: Fujitsu Tablet Sparrow with PP 11abgn; Type: 622ANHMW; Serial: MAC: 0023144B9B14

- \* Communication System: OFDM 5770 MHz; Frequency: 5785 MHz; Duty Cycle: 1:1
- \* Medium parameters used:  $f = 5788$  MHz;  $\sigma = 6.17$  mho/m;  $\epsilon_r = 44.1$ ;  $\rho = 1000$  kg/m<sup>3</sup>
- Electronics: DAE3 Sn442; Probe: EX3DV4 - SN3563; ConvF(3.25, 3.25, 3.25)
- Phantom: Flat Phantom 10.1; Serial: P 10.1; Phantom section: Flat 2.2 Section

**Channel 157 Test/Area Scan (71x121x1):** Measurement grid: dx=10mm, dy=10mm  
 Maximum value of SAR (interpolated) = 0.086 mW/g

**Channel 157 Test/Zoom Scan (7x7x9)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=2.5mm  
 Reference Value = 3.03 V/m; Power Drift = -0.391 dB  
 Peak SAR (extrapolated) = 0.379 W/kg  
**SAR(1 g) = 0.040 mW/g; SAR(10 g) = 0.00902 mW/g**  
 Maximum value of SAR (measured) = 0.082 mW/g



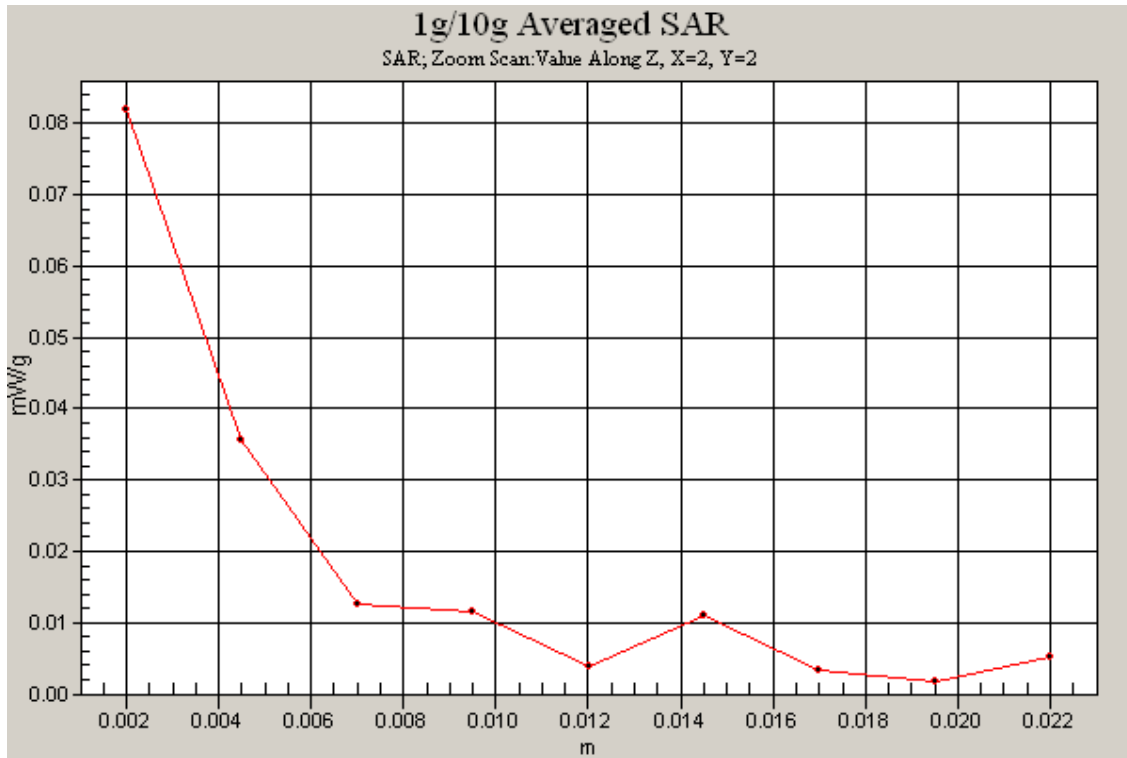
0 dB = 0.082mW/g

**SAR MEASUREMENT PLOT 31**

Ambient Temperature  
 Liquid Temperature  
 Humidity

20.9 Degrees Celsius  
 20.5 Degrees Celsius  
 46.0 %







**Test Date: 2 September 2010**

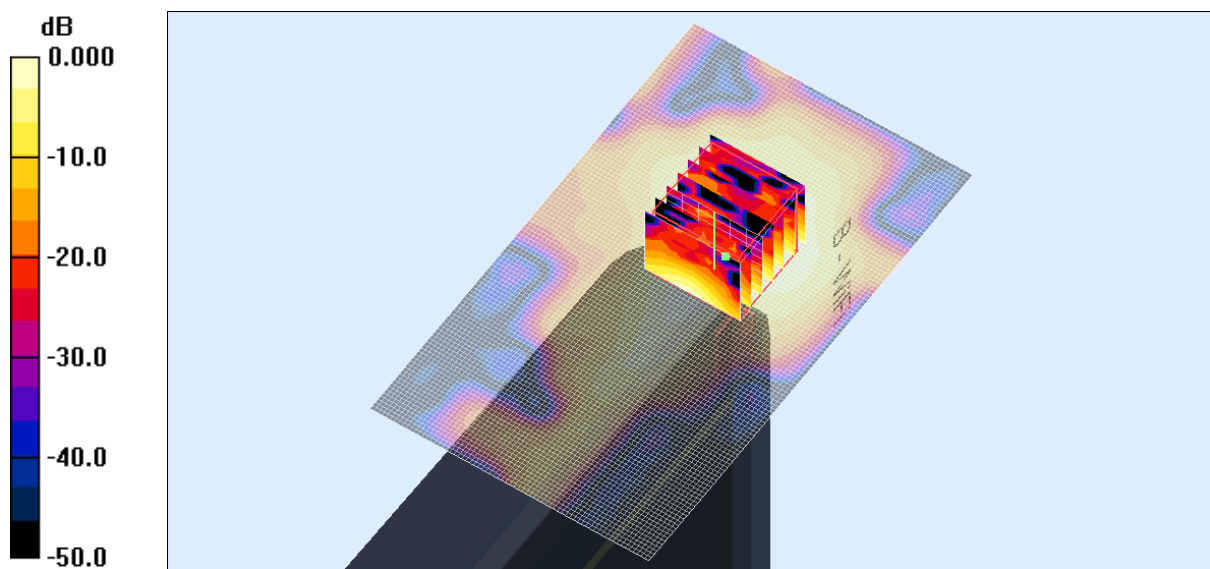
File Name: M100859 Primary Portrait OFDM 5.8 GHz WiFi Antenna B (2) 02-09-10.da4

**DUT: Fujitsu Tablet Sparrow with PP 11abgn; Type: 622ANHMW; Serial: MAC: 0023144B9B14**

- \* Communication System: OFDM 5770 MHz; Frequency: 5785 MHz; Duty Cycle: 1:1
- \* Medium parameters used:  $f = 5788 \text{ MHz}$ ;  $\sigma = 6.17 \text{ mho/m}$ ;  $\epsilon_r = 44.1$ ;  $\rho = 1000 \text{ kg/m}^3$
- Electronics: DAE3 Sn442; Probe: EX3DV4 - SN3563; ConvF(3.25, 3.25, 3.25)
- Phantom: Flat Phantom 10.1; Serial: P 10.1; Phantom section: Flat 2.2 Section

**Channel 157 Test/Area Scan (71x121x1):** Measurement grid: dx=10mm, dy=10mm  
 Maximum value of SAR (interpolated) = 1.42 mW/g

**Channel 157 Test/Zoom Scan (7x7x9)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=2.5mm  
 Reference Value = 13.2 V/m; Power Drift = 0.256 dB  
 Peak SAR (extrapolated) = 2.63 W/kg  
**SAR(1 g) = 0.743 mW/g; SAR(10 g) = 0.252 mW/g**  
 Maximum value of SAR (measured) = 1.50 mW/g

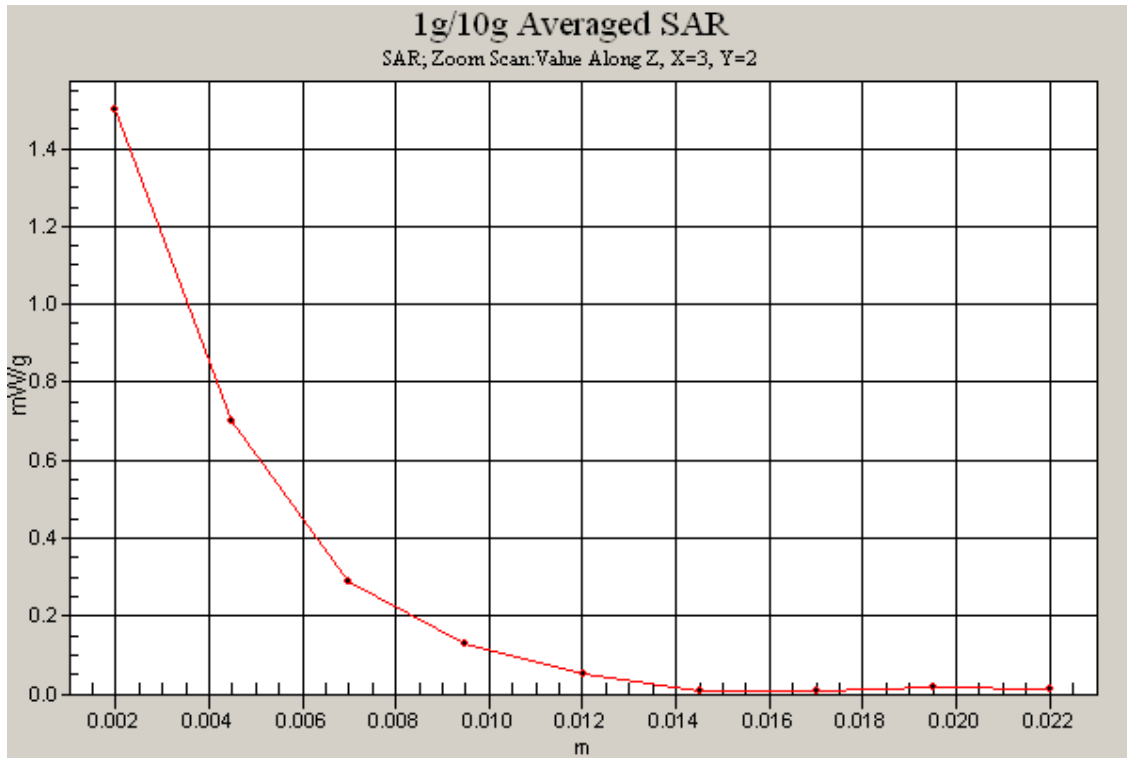


**SAR MEASUREMENT PLOT 32**

**Ambient Temperature**  
**Liquid Temperature**  
**Humidity**

**20.9 Degrees Celsius**  
**20.5 Degrees Celsius**  
**46.0 %**





**Test Date: 2 September 2010**

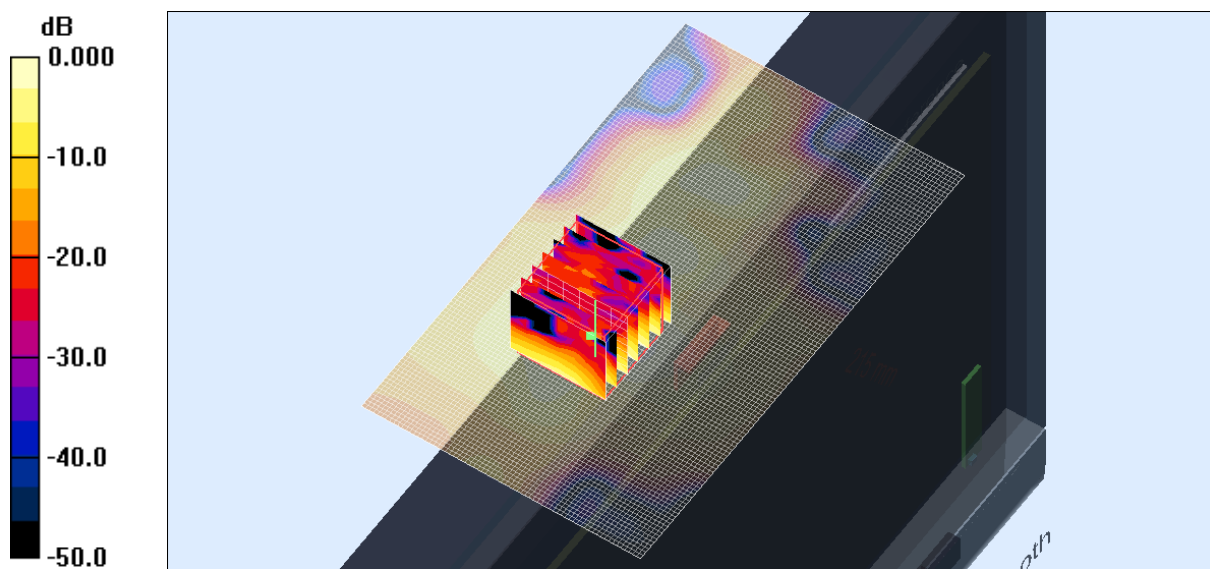
File Name: M100859 Secondary Landscape OFDM 5.8 GHz WiFi Antenna A (1) 02-09-10.da4

**DUT: Fujitsu Tablet Sparrow with PP 11abgn; Type: 622ANHMW; Serial: MAC: 0023144B9B14**

- \* Communication System: OFDM 5770 MHz; Frequency: 5745 MHz; Duty Cycle: 1:1
- \* Medium parameters used:  $f = 5740$  MHz;  $\sigma = 6.07$  mho/m;  $\epsilon_r = 44.2$ ;  $\rho = 1000$  kg/m<sup>3</sup>
- Electronics: DAE3 Sn442; Probe: EX3DV4 - SN3563; ConvF(3.25, 3.25, 3.25)
- Phantom: Flat Phantom 10.1; Serial: P 10.1; Phantom section: Flat 2.2 Section

**Channel 149 Test/Area Scan (71x121x1):** Measurement grid: dx=10mm, dy=10mm  
 Maximum value of SAR (interpolated) = 1.92 mW/g

**Channel 149 Test/Zoom Scan (7x7x9)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=2.5mm  
 Reference Value = 5.05 V/m; Power Drift = 0.081 dB  
 Peak SAR (extrapolated) = 3.43 W/kg  
**SAR(1 g) = 0.928 mW/g; SAR(10 g) = 0.308 mW/g**  
 Maximum value of SAR (measured) = 1.86 mW/g

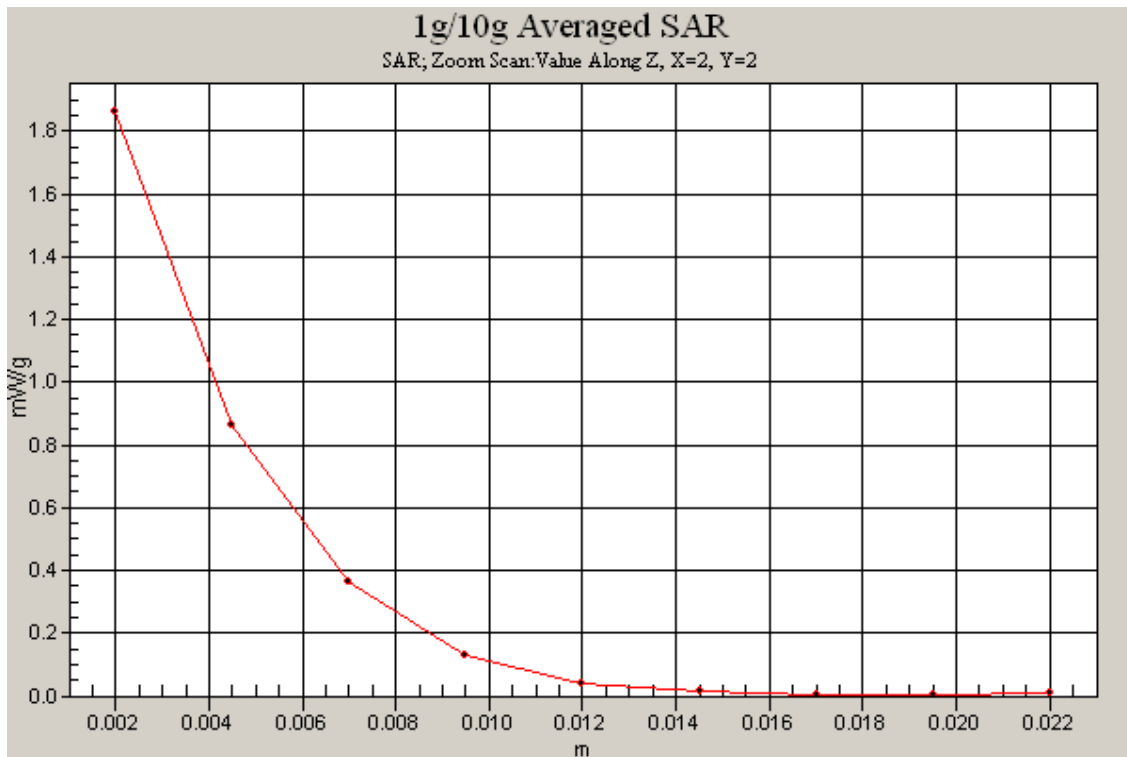


**SAR MEASUREMENT PLOT 33**

**Ambient Temperature**  
**Liquid Temperature**  
**Humidity**

**20.9 Degrees Celsius**  
**20.5 Degrees Celsius**  
**46.0 %**





**Test Date: 2 September 2010**

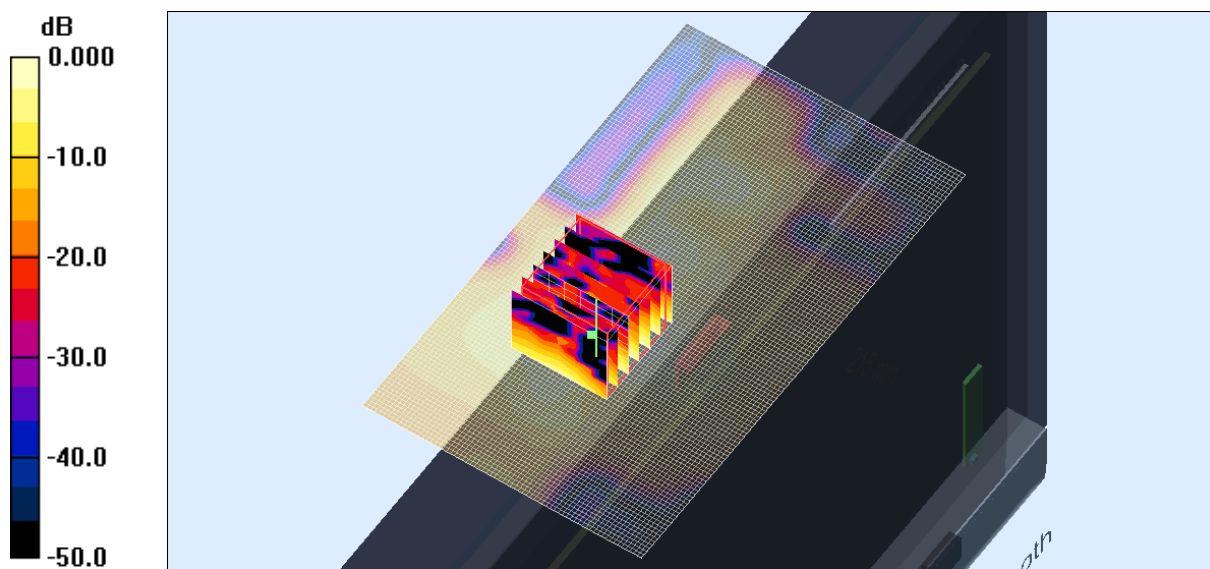
File Name: M100859 Secondary Landscape OFDM 5.8 GHz WiFi Antenna A (1) 02-09-10.da4

**DUT: Fujitsu Tablet Sparrow with PP 11abgn; Type: 622ANHMW; Serial: MAC: 0023144B9B14**

- \* Communication System: OFDM 5770 MHz; Frequency: 5785 MHz; Duty Cycle: 1:1
- \* Medium parameters used:  $f = 5788$  MHz;  $\sigma = 6.17$  mho/m;  $\epsilon_r = 44.1$ ;  $\rho = 1000$  kg/m<sup>3</sup>
- Electronics: DAE3 Sn442; Probe: EX3DV4 - SN3563; ConvF(3.25, 3.25, 3.25)
- Phantom: Flat Phantom 10.1; Serial: P 10.1; Phantom section: Flat 2.2 Section

**Channel 157 Test/Area Scan (71x121x1):** Measurement grid: dx=10mm, dy=10mm  
 Maximum value of SAR (interpolated) = 1.57 mW/g

**Channel 157 Test/Zoom Scan (7x7x9)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=2.5mm  
 Reference Value = 4.72 V/m; Power Drift = 0.213 dB  
 Peak SAR (extrapolated) = 2.69 W/kg  
**SAR(1 g) = 0.767 mW/g; SAR(10 g) = 0.255 mW/g**  
 Maximum value of SAR (measured) = 1.52 mW/g



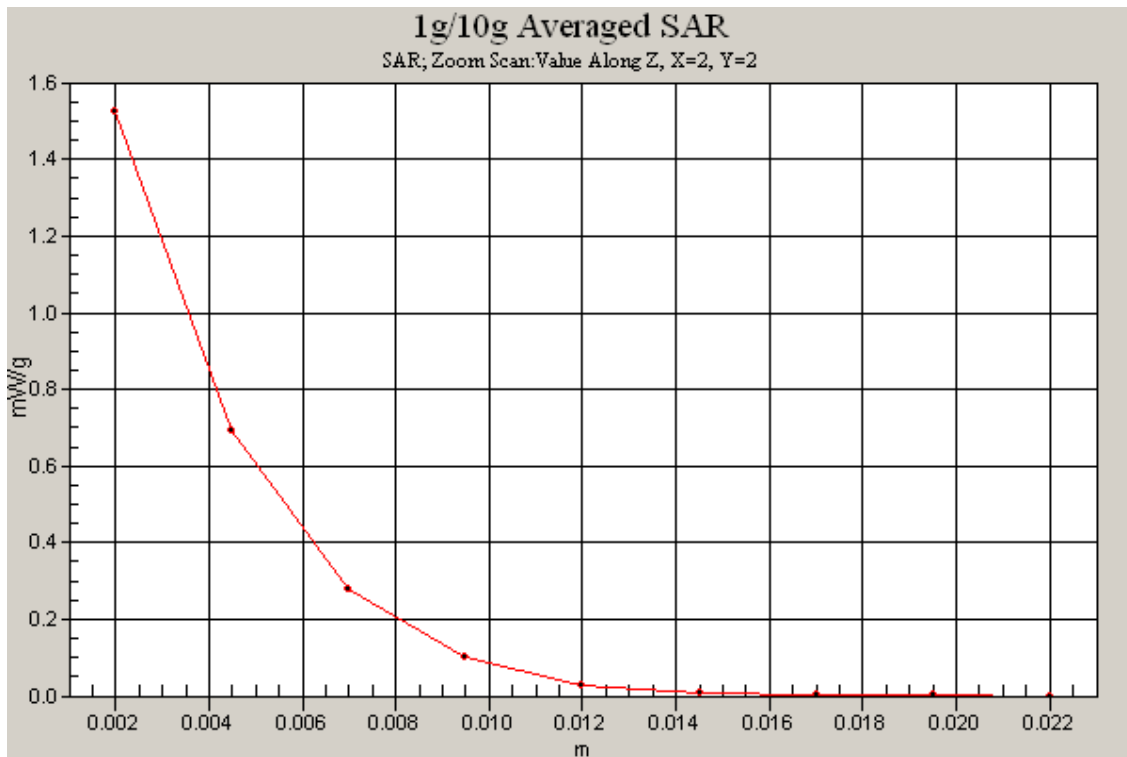
0 dB = 1.52mW/g

**SAR MEASUREMENT PLOT 34**

**Ambient Temperature**  
**Liquid Temperature**  
**Humidity**

**20.9 Degrees Celsius**  
**20.5 Degrees Celsius**  
**46.0 %**





**Test Date: 2 September 2010**

File Name: M100859 Secondary Landscape OFDM 5.8 GHz WiFi Antenna A (1) 02-09-10.da4

**DUT: Fujitsu Tablet Sparrow with PP 11abgn; Type: 622ANHMW; Serial: MAC: 0023144B9B14**

\* Communication System: OFDM 5770 MHz; Frequency: 5825 MHz; Duty Cycle: 1:1

\* Medium parameters used:  $f = 5820 \text{ MHz}$ ;  $\sigma = 6.2 \text{ mho/m}$ ;  $\epsilon_r = 44$ ;  $\rho = 1000 \text{ kg/m}^3$

- Electronics: DAE3 Sn442; Probe: EX3DV4 - SN3563; ConvF(3.25, 3.25, 3.25)

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

**Channel 165 Test/Area Scan (71x121x1):** Measurement grid: dx=10mm, dy=10mm

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

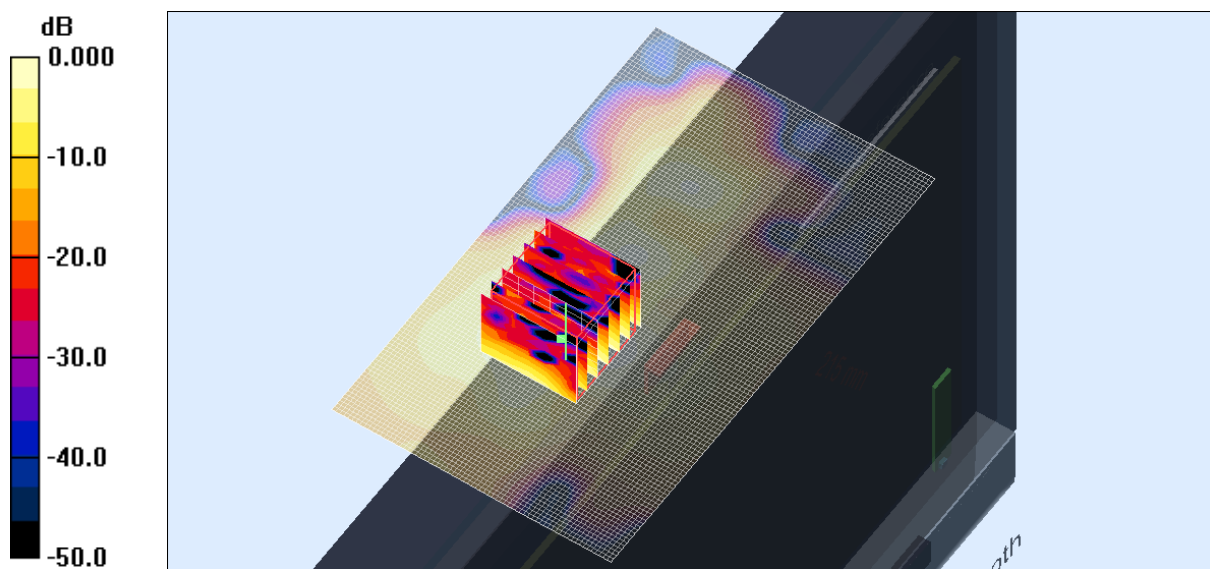
**Channel 165 Test/Zoom Scan (7x7x9)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 5.25 V/m; Power Drift = 0.088 dB

Peak SAR (extrapolated) = 2.99 W/kg

**SAR(1 g) = 0.819 mW/g; SAR(10 g) = 0.287 mW/g**

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



0 dB = 1.64mW/g

**SAR MEASUREMENT PLOT 35**

**Ambient Temperature**

**20.9 Degrees Celsius**

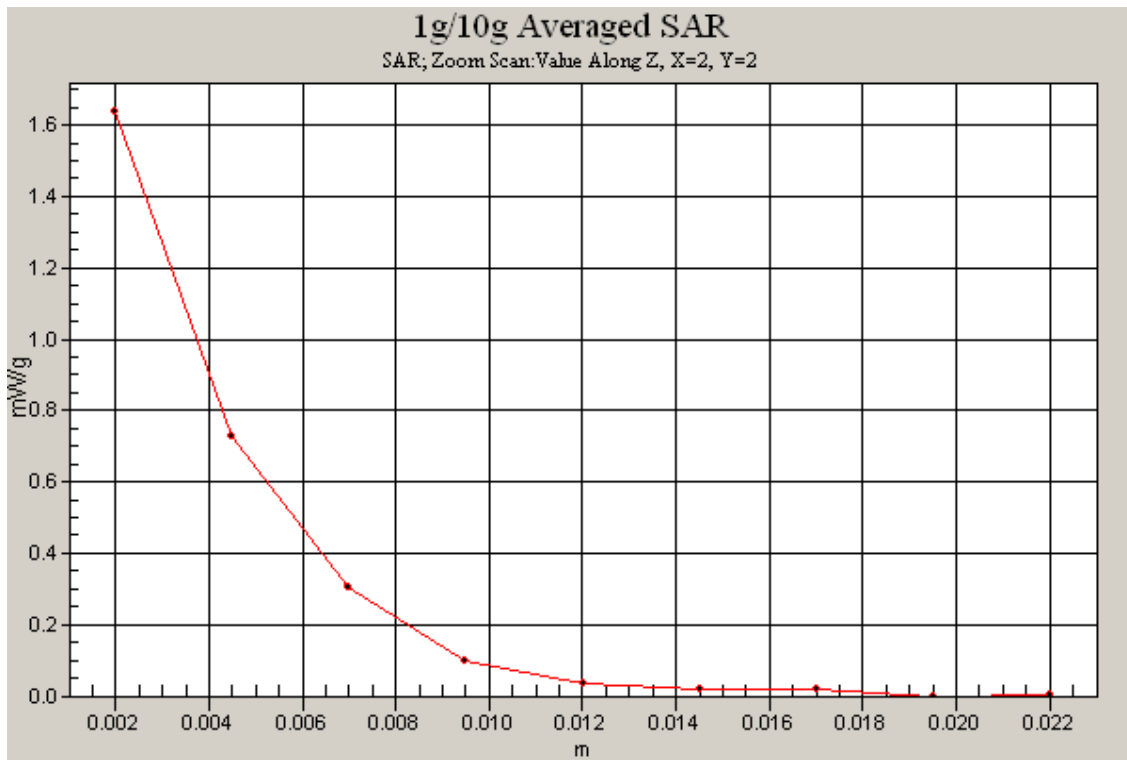
**Liquid Temperature**

**20.5 Degrees Celsius**

**Humidity**

**46.0 %**







Test Date: 2 September 2010

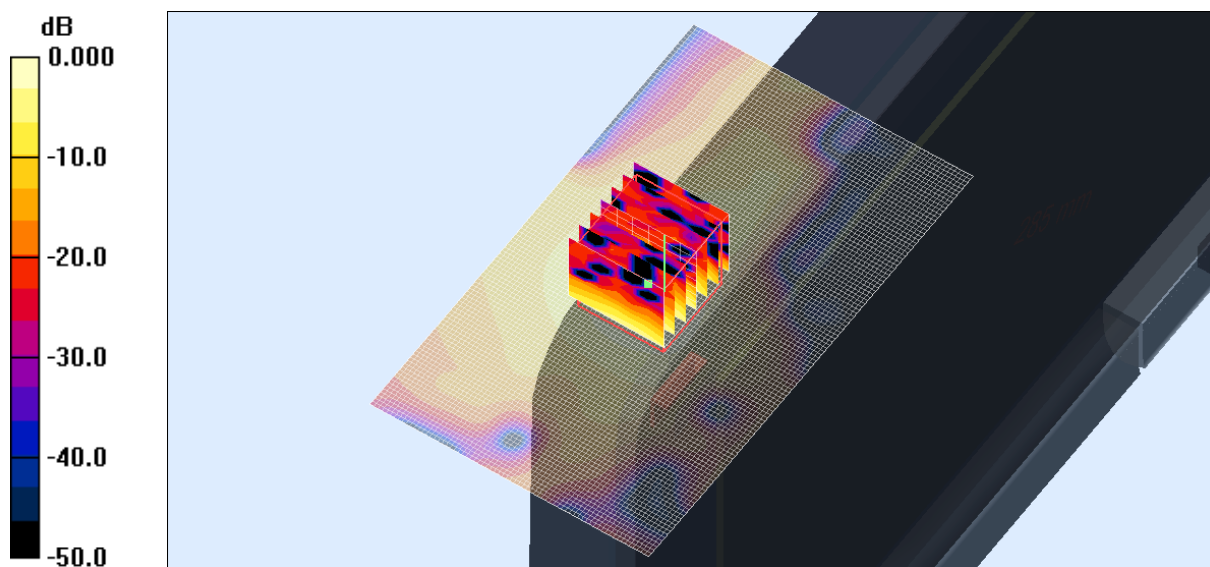
File Name: M100859 Secondary Landscape (-1dB) OFDM 5.8 GHz WiFi Antenna B (2) 02-09-10.da4

DUT: Fujitsu Tablet Sparrow with PP 11abgn; Type: 622ANHMW; Serial: MAC: 0023144B9B14

- \* Communication System: OFDM 5770 MHz; Frequency: 5745 MHz; Duty Cycle: 1:1
- \* Medium parameters used:  $f = 5740$  MHz;  $\sigma = 6.07$  mho/m;  $\epsilon_r = 44.2$ ;  $\rho = 1000$  kg/m<sup>3</sup>
- Electronics: DAE3 Sn442; Probe: EX3DV4 - SN3563; ConvF(3.25, 3.25, 3.25)
- Phantom: Flat Phantom 10.1; Serial: P 10.1; Phantom section: Flat 2.2 Section

**Channel 149 Test/Area Scan (71x121x1):** Measurement grid: dx=10mm, dy=10mm  
 Maximum value of SAR (interpolated) = 1.49 mW/g

**Channel 149 Test/Zoom Scan (7x7x9)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=2.5mm  
 Reference Value = 9.16 V/m; Power Drift = -0.325 dB  
 Peak SAR (extrapolated) = 2.87 W/kg  
**SAR(1 g) = 0.752 mW/g; SAR(10 g) = 0.220 mW/g**  
 Maximum value of SAR (measured) = 1.56 mW/g



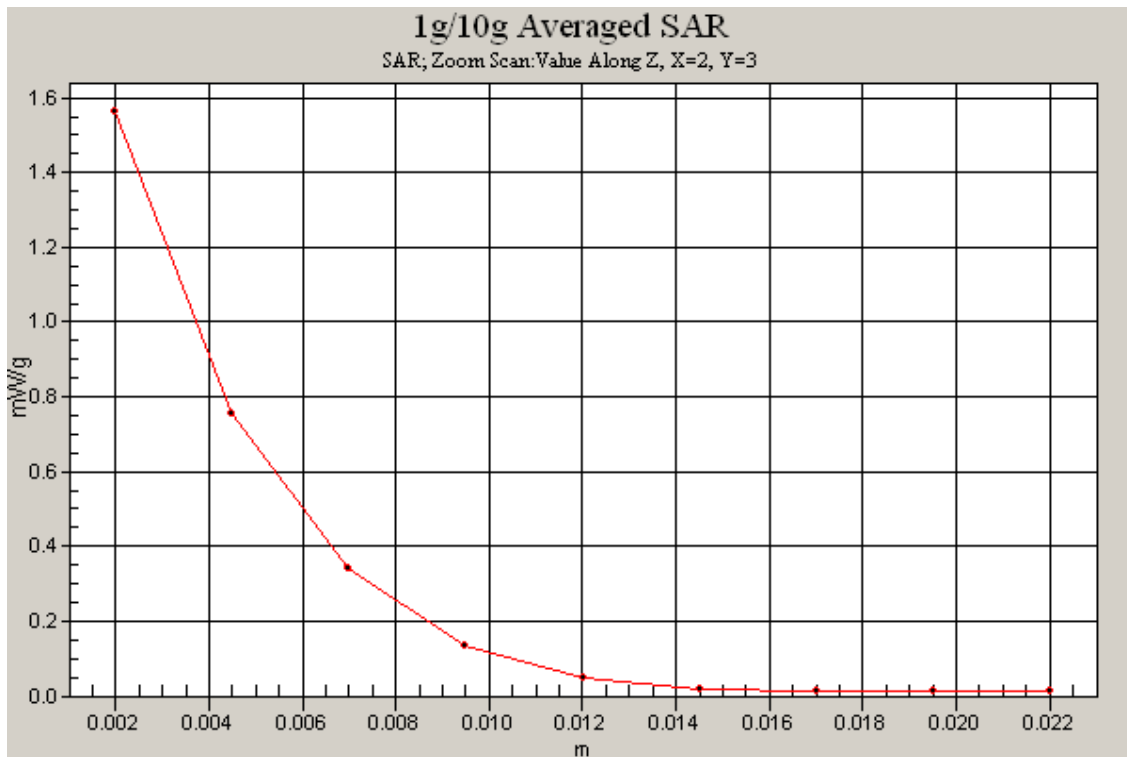
0 dB = 1.56mW/g

**SAR MEASUREMENT PLOT 36**

Ambient Temperature  
 Liquid Temperature  
 Humidity

20.9 Degrees Celsius  
 20.5 Degrees Celsius  
 46.0 %





**Test Date: 2 September 2010**

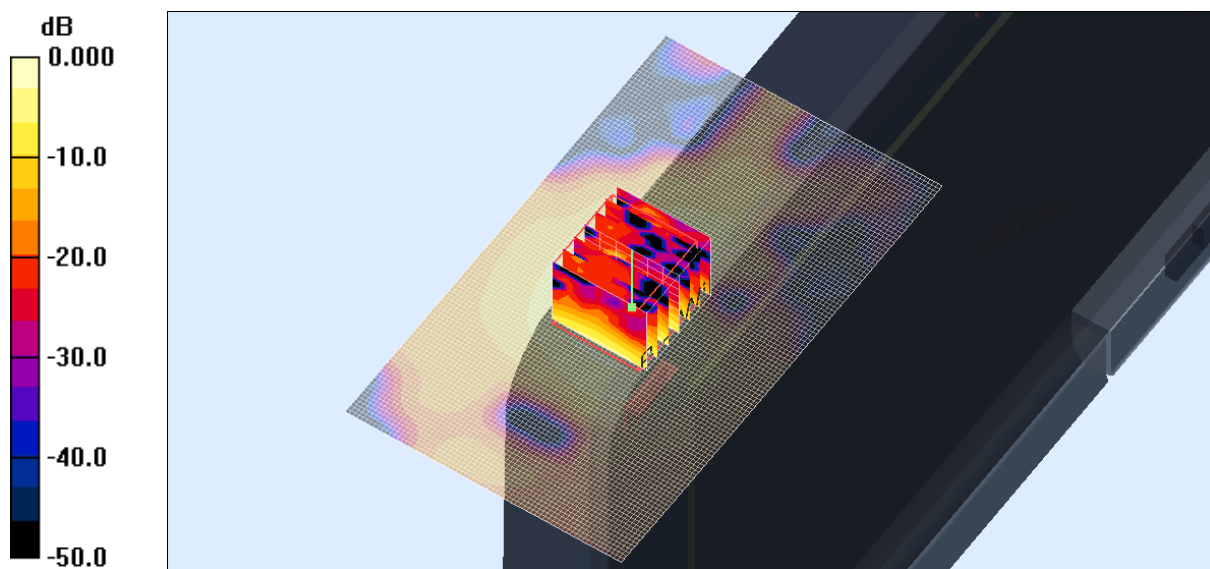
File Name: M100859 Secondary Landscape (-1dB) OFDM 5.8 GHz WiFi Antenna B (2) 02-09-10.da4

**DUT: Fujitsu Tablet Sparrow with PP 11abgn; Type: 622ANHMW; Serial: MAC: 0023144B9B14**

- \* Communication System: OFDM 5770 MHz; Frequency: 5785 MHz; Duty Cycle: 1:1
- \* Medium parameters used:  $f = 5788$  MHz;  $\sigma = 6.17$  mho/m;  $\epsilon_r = 44.1$ ;  $\rho = 1000$  kg/m<sup>3</sup>
- Electronics: DAE3 Sn442; Probe: EX3DV4 - SN3563; ConvF(3.25, 3.25, 3.25)
- Phantom: Flat Phantom 10.1; Serial: P 10.1; Phantom section: Flat 2.2 Section

**Channel 157 Test/Area Scan (71x121x1):** Measurement grid: dx=10mm, dy=10mm  
 Maximum value of SAR (interpolated) = 1.63 mW/g

**Channel 157 Test/Zoom Scan (7x7x9)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=2.5mm  
 Reference Value = 11.0 V/m; Power Drift = -0.449 dB  
 Peak SAR (extrapolated) = 3.21 W/kg  
**SAR(1 g) = 0.848 mW/g; SAR(10 g) = 0.252 mW/g**  
 Maximum value of SAR (measured) = 1.83 mW/g



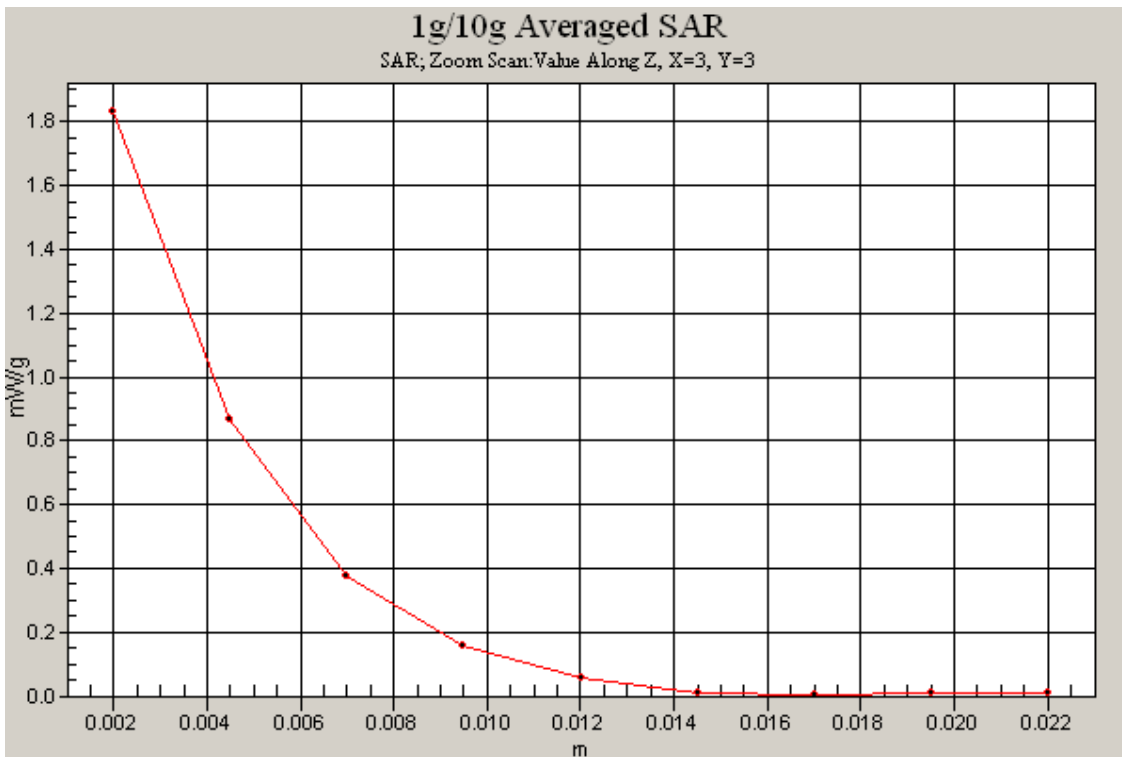
0 dB = 1.83mW/g

**SAR MEASUREMENT PLOT 37**

**Ambient Temperature**  
**Liquid Temperature**  
**Humidity**

**20.9 Degrees Celsius**  
**20.5 Degrees Celsius**  
**46.0 %**





Test Date: 2 September 2010

File Name: M100859 Secondary Landscape (-1dB) OFDM 5.8 GHz WiFi Antenna B (2) 02-09-10.da4

DUT: Fujitsu Tablet Sparrow with PP 11abgn; Type: 622ANHMW; Serial: MAC: 0023144B9B14

\* Communication System: OFDM 5770 MHz; Frequency: 5825 MHz; Duty Cycle: 1:1

\* Medium parameters used:  $f = 5820$  MHz;  $\sigma = 6.2$  mho/m;  $\epsilon_r = 44$ ;  $\rho = 1000$  kg/m<sup>3</sup>

- Electronics: DAE3 Sn442; Probe: EX3DV4 - SN3563; ConvF(3.25, 3.25, 3.25)

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

**Channel 165 Test/Area Scan (71x121x1):** Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 3.15 mW/g

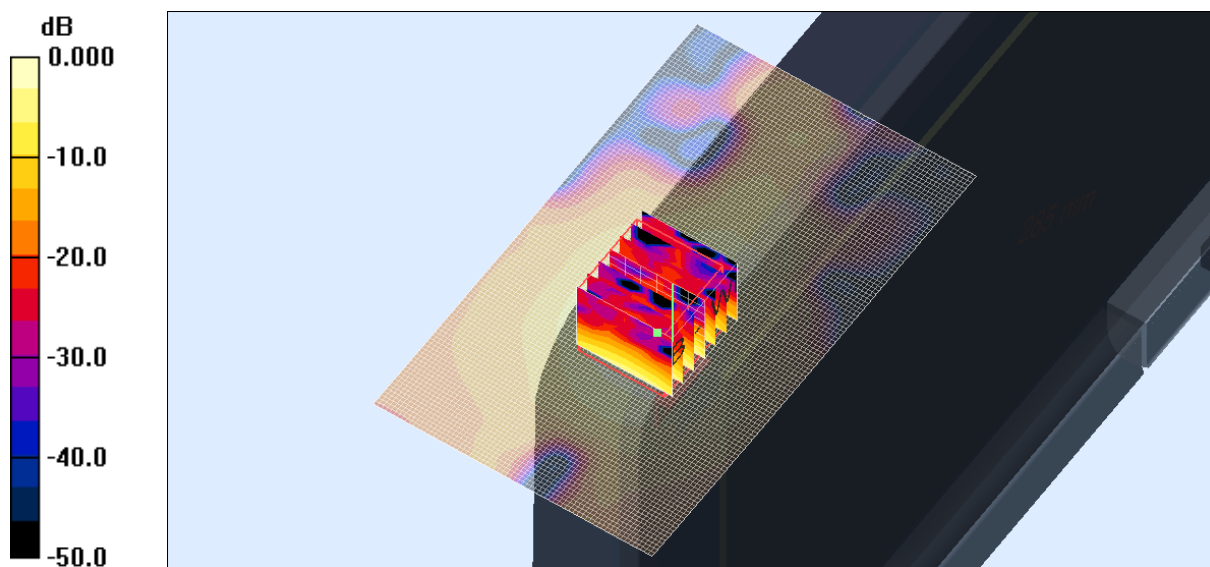
**Channel 165 Test/Zoom Scan (7x7x9)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 21.8 V/m; Power Drift = -0.151 dB

Peak SAR (extrapolated) = 5.35 W/kg

**SAR(1 g) = 1.38 mW/g; SAR(10 g) = 0.412 mW/g**

Maximum value of SAR (measured) = 2.79 mW/g



0 dB = 2.79mW/g

**SAR MEASUREMENT PLOT 38**

Ambient Temperature

20.9 Degrees Celsius

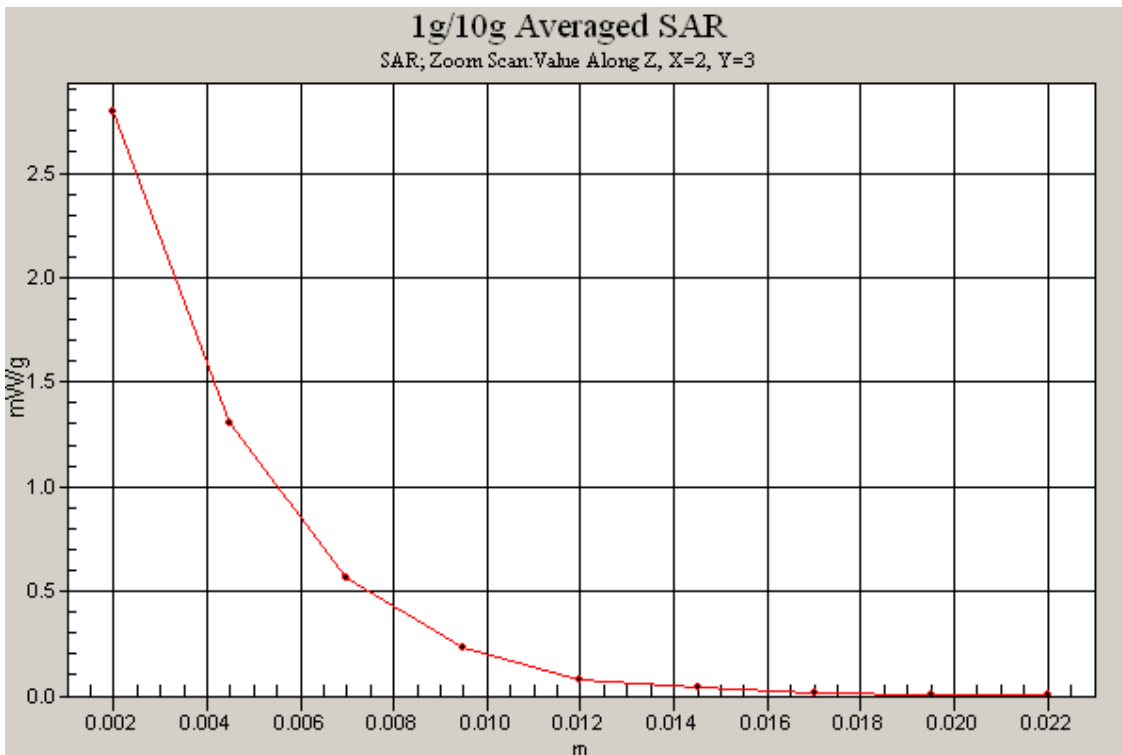
Liquid Temperature

20.5 Degrees Celsius

Humidity

46.0 %





**Test Date: 2 September 2010**

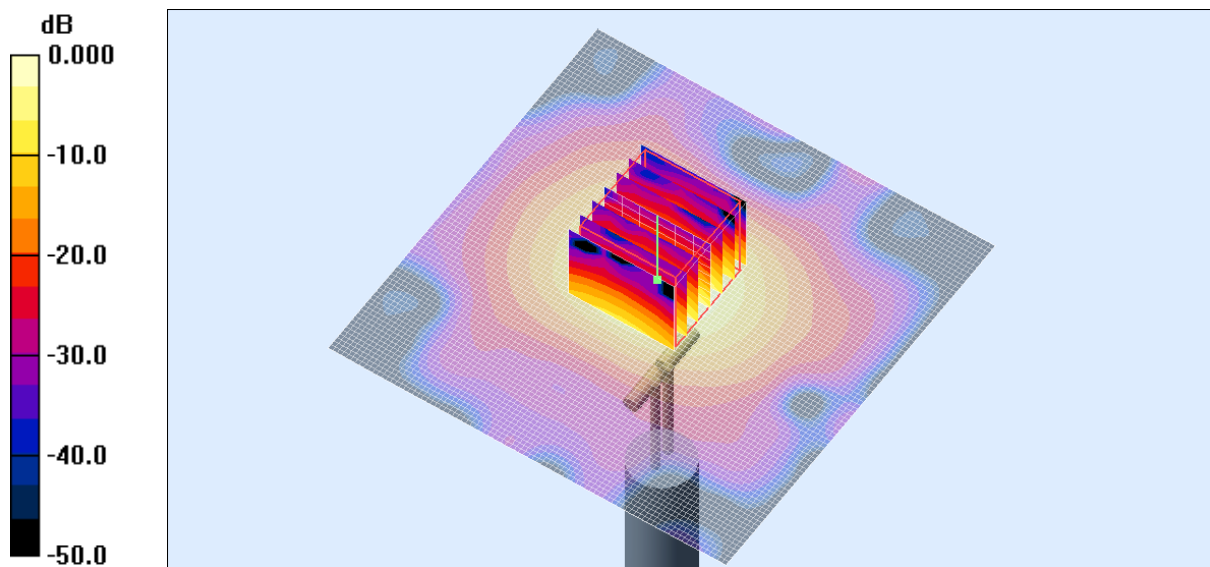
File Name: System Check 5800MHz (DAE 442 Probe SN3563) 02-09-10.da4

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

- \* Communication System: CW 5800 MHz; Frequency: 5800 MHz; Duty Cycle: 1:1
- \* Medium parameters used:  $f = 5804$  MHz;  $\sigma = 6.19$  mho/m;  $\epsilon_r = 44$ ;  $\rho = 1000$  kg/m<sup>3</sup>
- Electronics: DAE3 Sn442; Probe: EX3DV4 - SN3563; ConvF(3.25, 3.25, 3.25)
- 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) = 19.5 mW/g

**Channel 1 Test/Zoom Scan (7x7x9)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=2.5mm  
 Reference Value = 57.2 V/m; Power Drift = 0.102 dB  
 Peak SAR (extrapolated) = 37.1 W/kg  
**SAR(1 g) = 9.73 mW/g; SAR(10 g) = 2.72 mW/g**  
 Maximum value of SAR (measured) = 21.0 mW/g

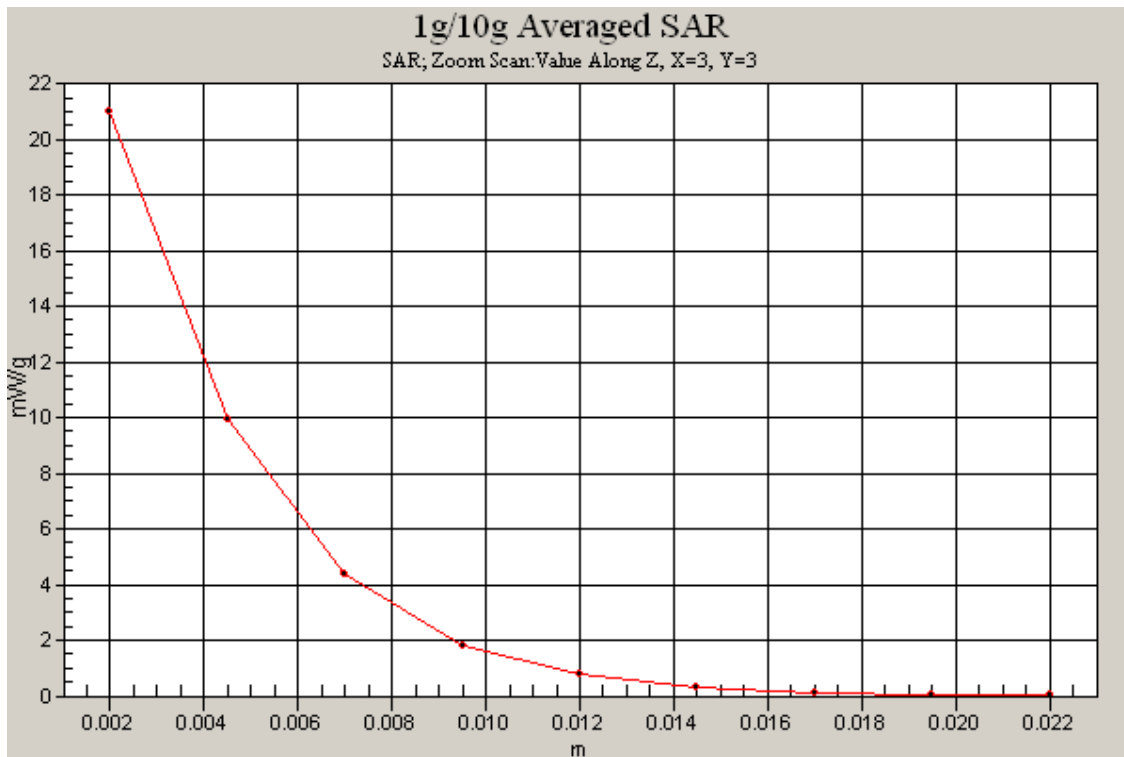


**SAR MEASUREMENT PLOT 39**

**Ambient Temperature**  
**Liquid Temperature**  
**Humidity**

**20.9 Degrees Celsius**  
**20.5 Degrees Celsius**  
**46.0 %**







**Test Date: 3 September 2010**

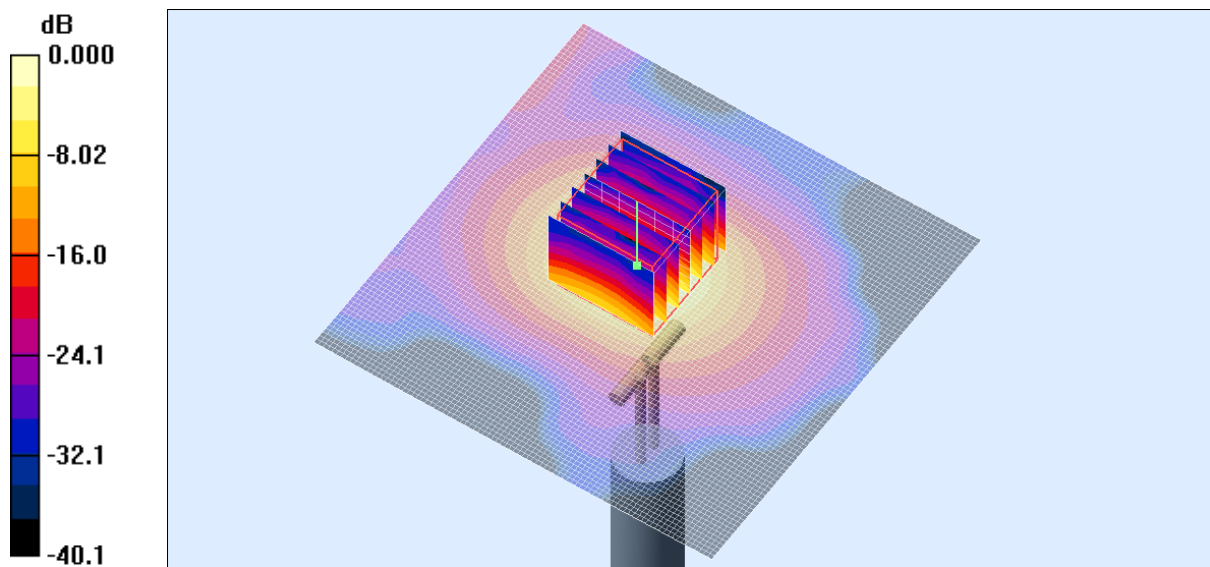
File Name: System Check 5500MHz (DAE 442 Probe SN3563) 03-09-10.da4

**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;  $\sigma = 5.73$  mho/m;  $\epsilon_r = 46.7$ ;  $\rho = 1000$  kg/m<sup>3</sup>
- Electronics: DAE3 Sn442; Probe: EX3DV4 - SN3563; ConvF(3.2, 3.2, 3.2)
- 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) = 20.9 mW/g

**Channel 1 Test/Zoom Scan (7x7x9)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=2.5mm  
 Reference Value = 52.1 V/m; Power Drift = 0.120 dB  
 Peak SAR (extrapolated) = 37.0 W/kg  
**SAR(1 g) = 9.84 mW/g; SAR(10 g) = 2.8 mW/g**  
 Maximum value of SAR (measured) = 20.7 mW/g



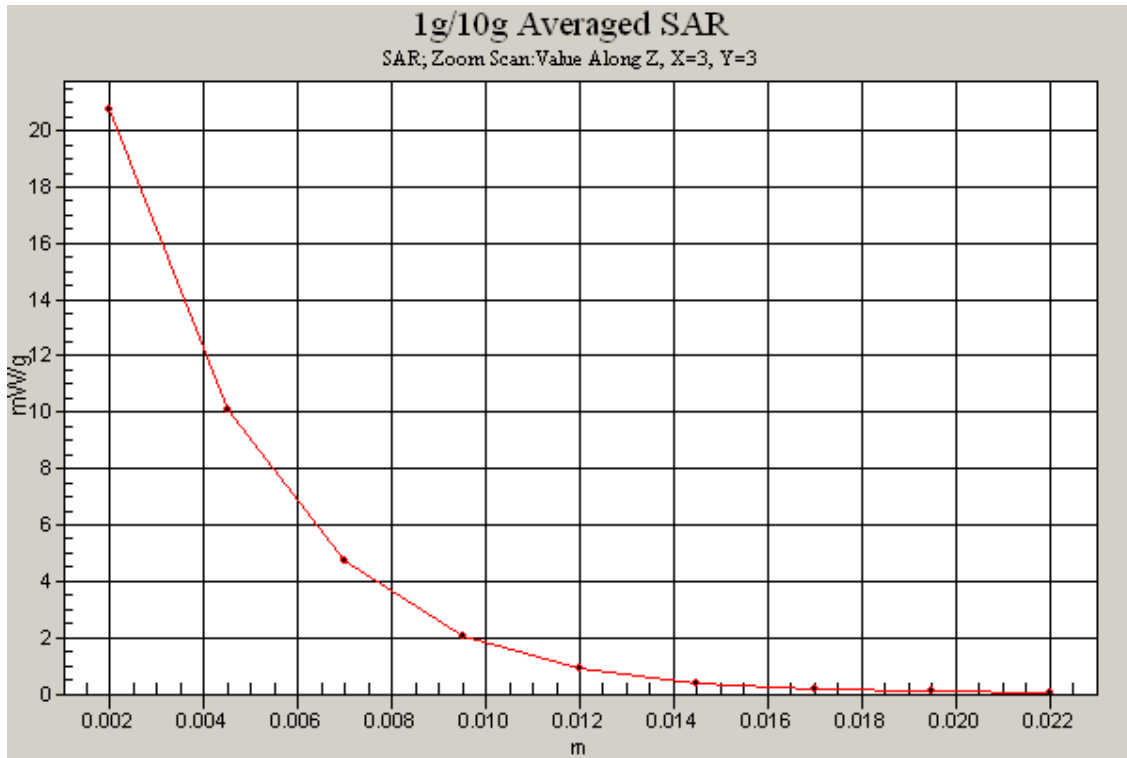
0 dB = 20.7mW/g

**SAR MEASUREMENT PLOT 40**

**Ambient Temperature**  
**Liquid Temperature**  
**Humidity**

**21.2 Degrees Celsius**  
**21.0 Degrees Celsius**  
**38.0 %**





**Test Date: 6 September 2010**

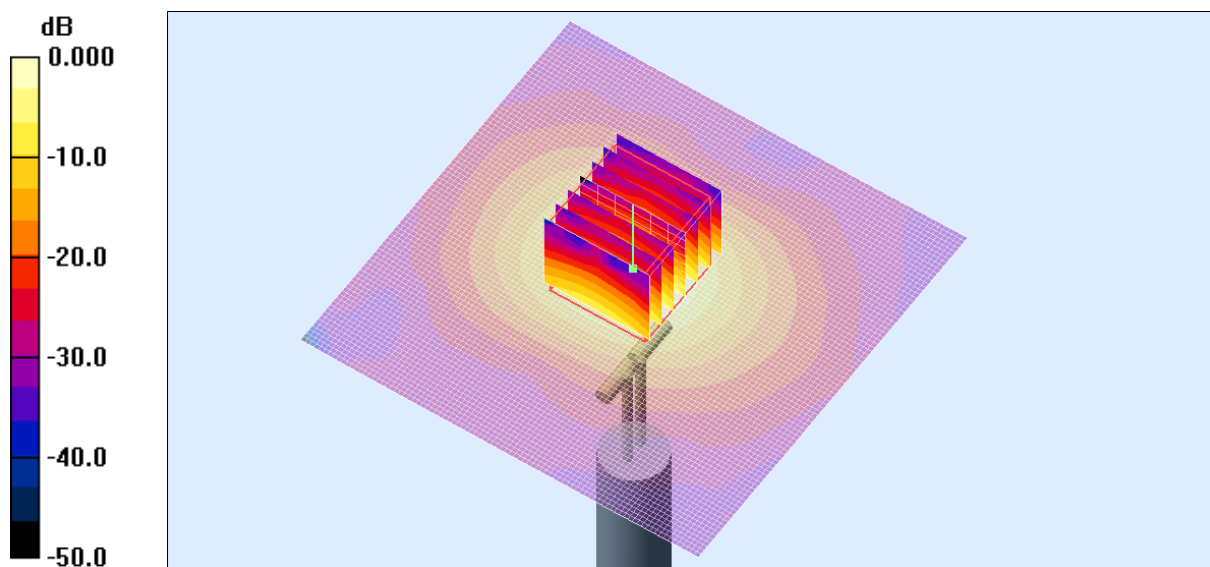
File Name: System Check 5500MHz (DAE 442 Probe SN3563) 06-09-10.da4

**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;  $\sigma = 5.7$  mho/m;  $\epsilon_r = 45.1$ ;  $\rho = 1000$  kg/m<sup>3</sup>
- Electronics: DAE3 Sn442; Probe: EX3DV4 - SN3563; ConvF(3.2, 3.2, 3.2)
- 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) = 19.8 mW/g

**Channel 1 Test/Zoom Scan (7x7x9)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=2.5mm  
 Reference Value = 56.5 V/m; Power Drift = 0.197 dB  
 Peak SAR (extrapolated) = 35.7 W/kg  
**SAR(1 g) = 9.51 mW/g; SAR(10 g) = 2.71 mW/g**  
 Maximum value of SAR (measured) = 20.2 mW/g



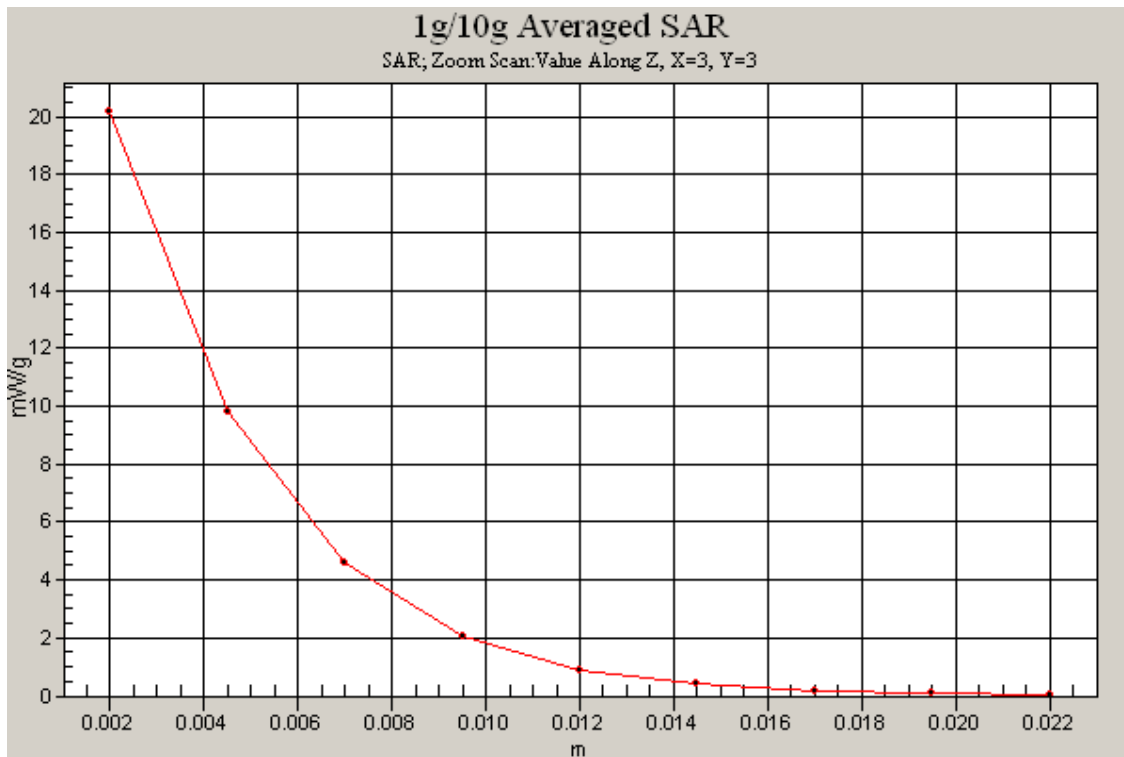
0 dB = 20.2mW/g

**SAR MEASUREMENT PLOT 41**

**Ambient Temperature**  
**Liquid Temperature**  
**Humidity**

**21.5 Degrees Celsius**  
**21.2 Degrees Celsius**  
**41.0 %**





**Test Date: 8 September 2010**

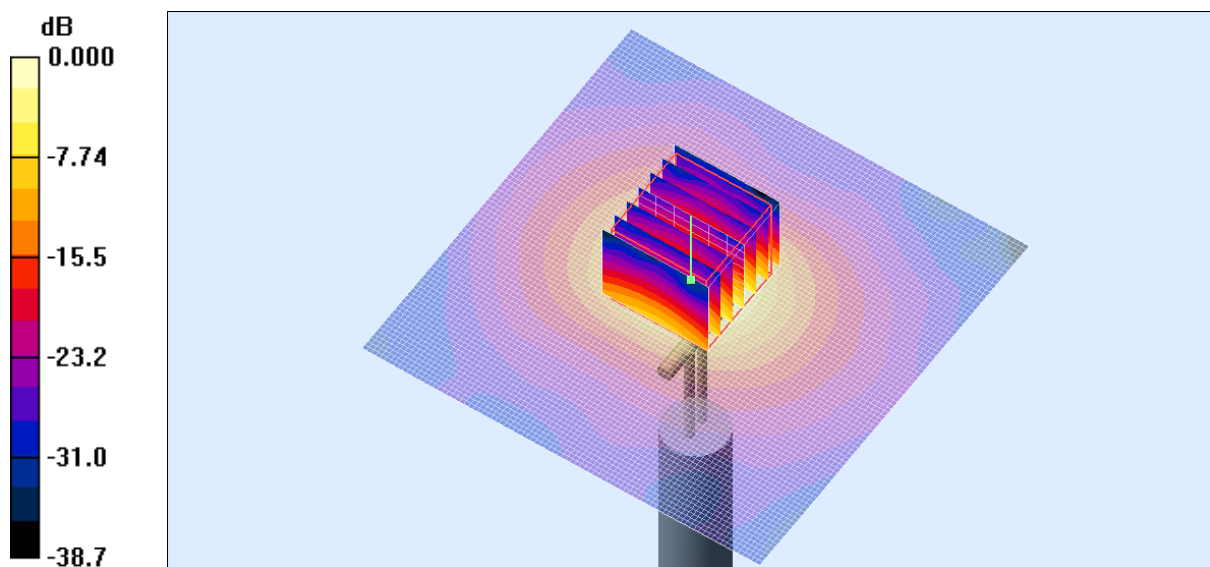
File Name: System Check 5200MHz (DAE 442 Probe SN3563) 08-09-10.da4

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

- \* Communication System: CW 5200 MHz; Frequency: 5200 MHz; Duty Cycle: 1:1
- \* Medium parameters used:  $f = 5203$  MHz;  $\sigma = 5.43$  mho/m;  $\epsilon_r = 44.9$ ;  $\rho = 1000$  kg/m<sup>3</sup>
- Electronics: DAE3 Sn442; Probe: EX3DV4 - SN3563; ConvF(3.78, 3.78, 3.78)
- 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) = 18.7 mW/g

**Channel 1 Test/Zoom Scan (7x7x9)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=2.5mm  
 Reference Value = 57.5 V/m; Power Drift = 0.148 dB  
 Peak SAR (extrapolated) = 34.6 W/kg  
**SAR(1 g) = 9.35 mW/g; SAR(10 g) = 2.63 mW/g**  
 Maximum value of SAR (measured) = 19.7 mW/g



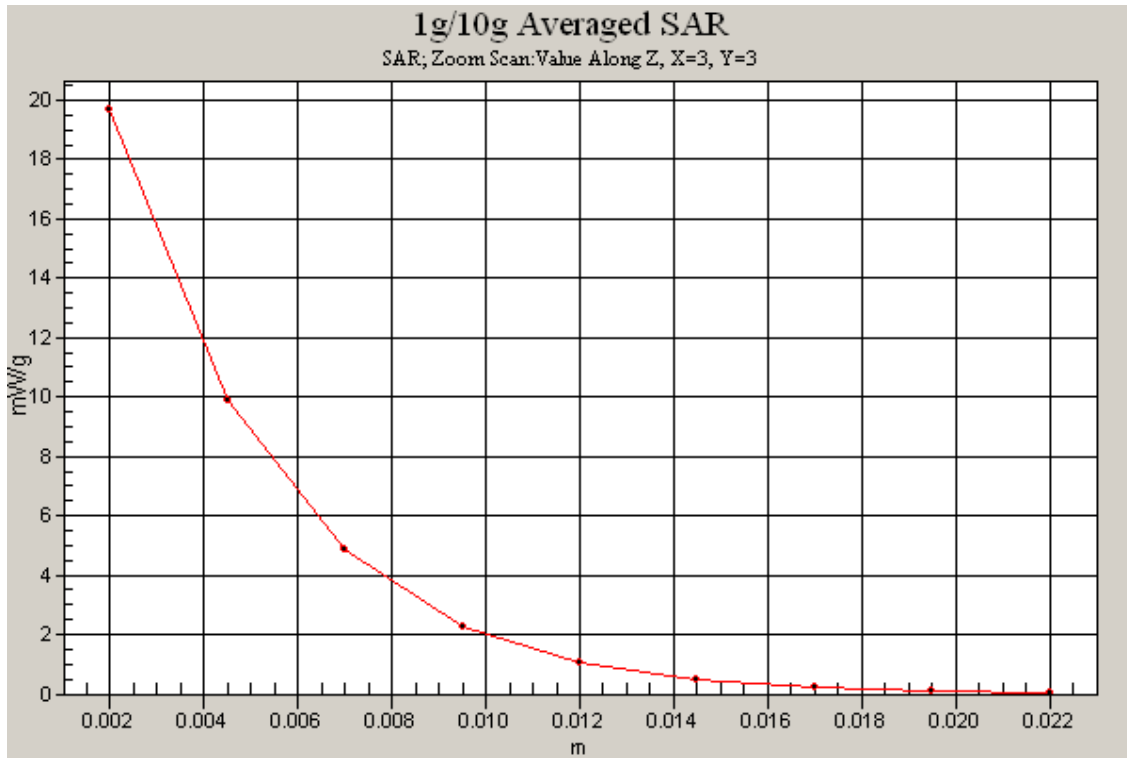
0 dB = 19.7mW/g

**SAR MEASUREMENT PLOT 42**

**Ambient Temperature**  
**Liquid Temperature**  
**Humidity**

**21.7 Degrees Celsius**  
**21.5 Degrees Celsius**  
**36.0 %**





**Test Date: 9 September 2010**

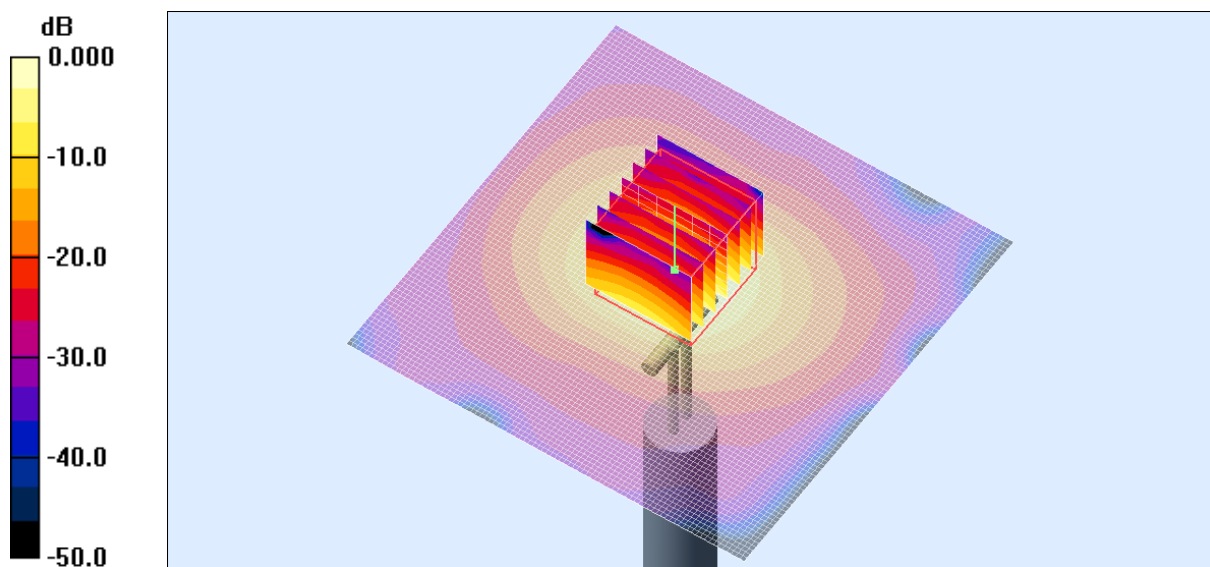
File Name: System Check 5200MHz (DAE 442 Probe SN3563) 09-09-10.da4

**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 = 5203 MHz;  $\sigma = 5.23$  mho/m;  $\epsilon_r = 45.1$ ;  $\rho = 1000$  kg/m<sup>3</sup>
- Electronics: DAE3 Sn442; Probe: EX3DV4 - SN3563; ConvF(3.78, 3.78, 3.78)
- 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) = 17.9 mW/g

**Channel 1 Test/Zoom Scan (7x7x9)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=2.5mm  
 Reference Value = 54.8 V/m; Power Drift = 0.205 dB  
 Peak SAR (extrapolated) = 32.3 W/kg  
**SAR(1 g) = 8.77 mW/g; SAR(10 g) = 2.48 mW/g**  
 Maximum value of SAR (measured) = 18.2 mW/g



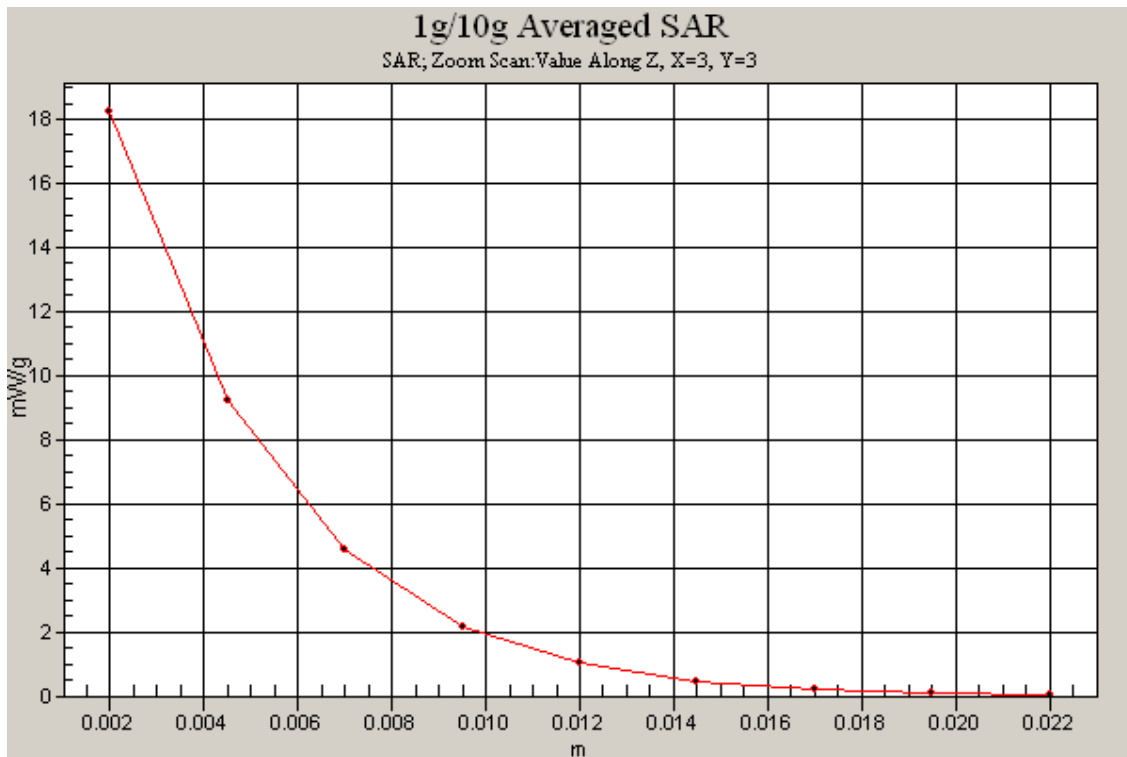
0 dB = 18.2mW/g

**SAR MEASUREMENT PLOT 43**

**Ambient Temperature**  
**Liquid Temperature**  
**Humidity**

**20.9 Degrees Celsius**  
**20.7 Degrees Celsius**  
**40.0 %**







**Test Date: 17 September 2010**

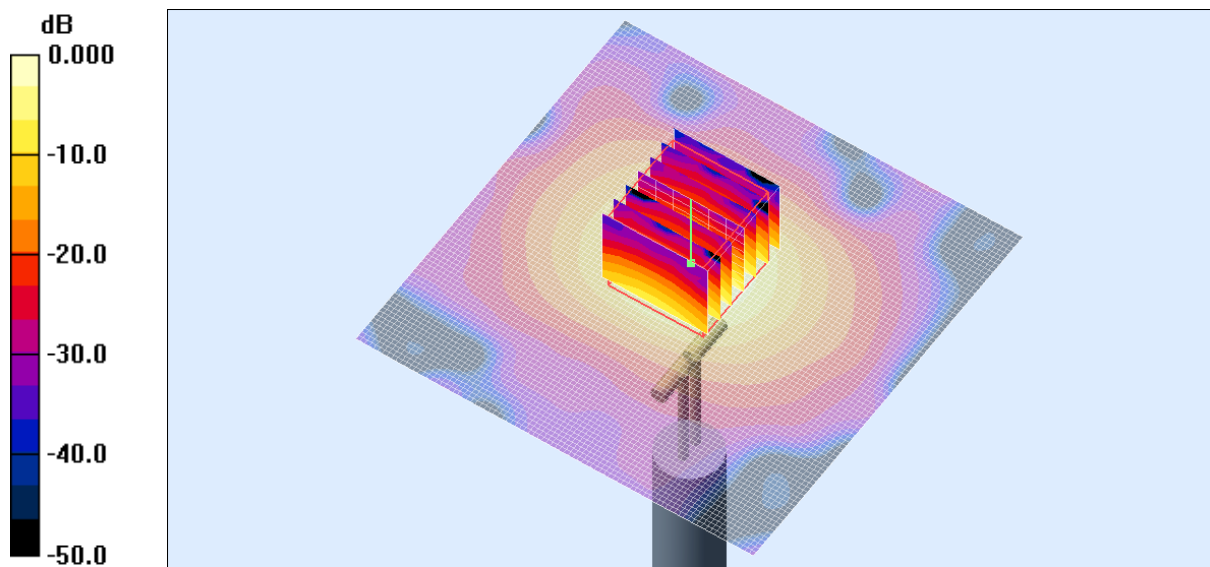
File Name: System Check 5500MHz (DAE 442 Probe SN3563) 17-09-10.da4

**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;  $\sigma = 5.75$  mho/m;  $\epsilon_r = 44.3$ ;  $\rho = 1000$  kg/m<sup>3</sup>
- Electronics: DAE3 Sn442; Probe: EX3DV4 - SN3563; ConvF(3.2, 3.2, 3.2)
- 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) = 20.3 mW/g

**Channel 1 Test/Zoom Scan (7x7x9)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=2.5mm  
 Reference Value = 55.4 V/m; Power Drift = -0.041 dB  
 Peak SAR (extrapolated) = 36.9 W/kg  
**SAR(1 g) = 9.79 mW/g; SAR(10 g) = 2.77 mW/g**  
 Maximum value of SAR (measured) = 20.6 mW/g



**SAR MEASUREMENT PLOT 44**

**Ambient Temperature**  
**Liquid Temperature**  
**Humidity**

**21.2 Degrees Celsius**  
**21.0 Degrees Celsius**  
**36.0 %**



