

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 23 2450 MHz DSSS Band SAR Measurement Plot Numbers

Test Position	Plot No.	Ant	Bit rate Mode (Mbps)	Channel Bandwidth (MHz)	Test Channel
Tablet	1	A	1	-	06
	2	B	1	-	06
Lap Held	-	A	1	-	06
	-	B	1	-	06
Secondary Portrait	3	A	1	-	06
Primary Portrait	4	B	1	-	01
	5	B	1	-	06
	6	B	1	-	11
Secondary Landscape	7	A	1	-	06
	8	B	1	-	06

Table 245 2450MHz System verification Plot

Plot 9	System verification 2450 MHz 10 th September 2010
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Test Date: 10 September 2010

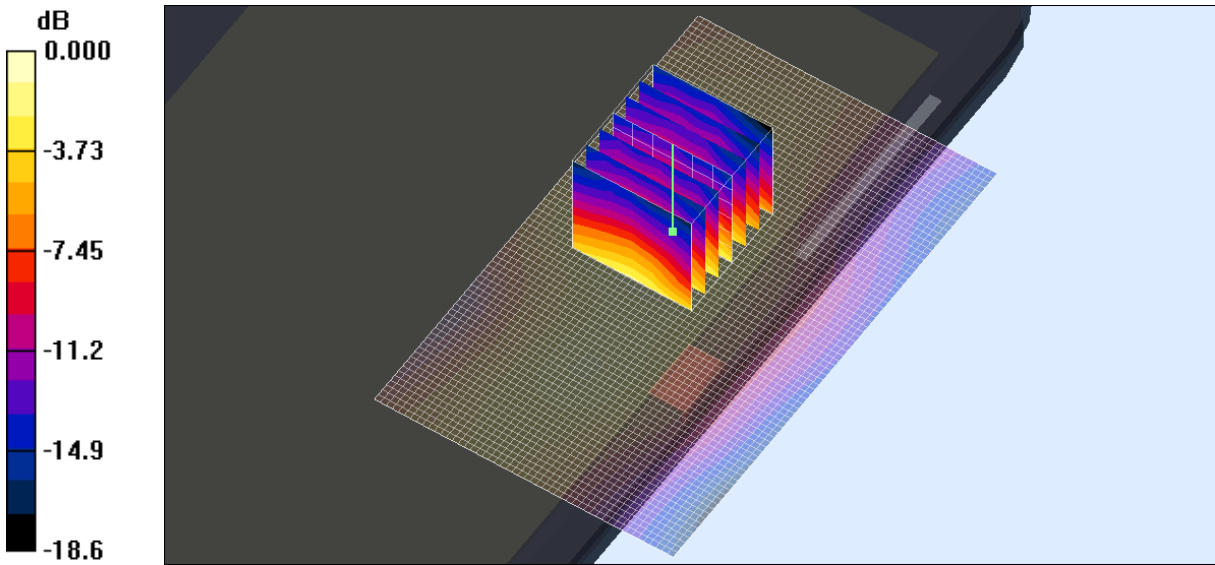
File Name: M100859 Tablet DSSS 2.4 GHz Antenna A (1) 10-09-10.da4

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

- * Communication System: DSSS 2450 MHz; Frequency: 2437 MHz; Duty Cycle: 1:1
- * Medium parameters used: $f = 2438$ MHz; $\sigma = 1.94$ mho/m; $\epsilon_r = 53.5$; $\rho = 1000$ kg/m³
- Electronics: DAE3 Sn442; Probe: ET3DV6 - SN1380; ConvF(4.11, 4.11, 4.11)
- Phantom: Flat Phantom 10.1; Serial: P 10.1; Phantom section: Flat 2.2 Section

Channel 6 Test/Area Scan (51x81x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.093 mW/g

Channel 6 Test/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 5.39 V/m; Power Drift = -0.011 dB
Peak SAR (extrapolated) = 0.184 W/kg
SAR(1 g) = 0.092 mW/g; SAR(10 g) = 0.049 mW/g
Maximum value of SAR (measured) = 0.100 mW/g



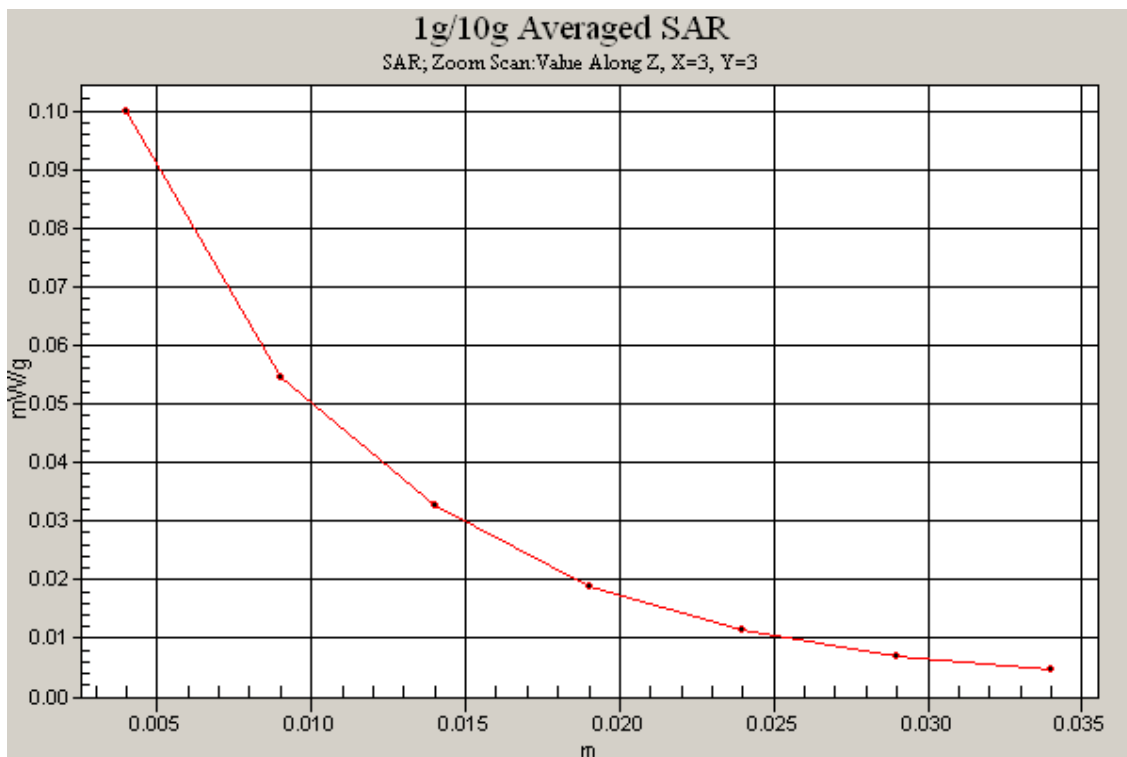
0 dB = 0.100mW/g

SAR MEASUREMENT PLOT 1

Ambient Temperature
Liquid Temperature
Humidity

21.6 Degrees Celsius
20.3 Degrees Celsius
43.0 %





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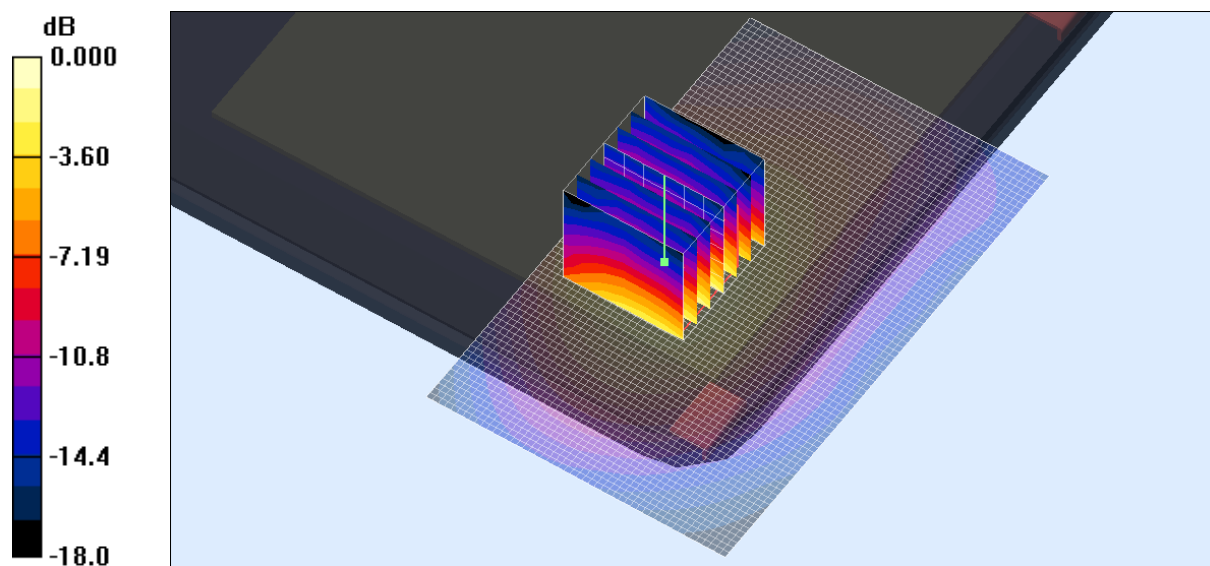
File Name: M100859 Tablet DSSS 2.4 GHz Antenna B (2) 10-09-10.da4

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

- * Communication System: DSSS 2450 MHz; Frequency: 2437 MHz; Duty Cycle: 1:1
- * Medium parameters used: $f = 2438$ MHz; $\sigma = 1.94$ mho/m; $\epsilon_r = 53.5$; $\rho = 1000$ kg/m³
- Electronics: DAE3 Sn442; Probe: ET3DV6 - SN1380; ConvF(4.11, 4.11, 4.11)
- Phantom: Flat Phantom 10.1; Serial: P 10.1; Phantom section: Flat 2.2 Section

Channel 6 Test/Area Scan (51x81x1): Measurement grid: dx=15mm, dy=15mm
 Maximum value of SAR (interpolated) = 0.143 mW/g

Channel 6 Test/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
 Reference Value = 6.50 V/m; Power Drift = -0.252 dB
 Peak SAR (extrapolated) = 0.296 W/kg
SAR(1 g) = 0.137 mW/g; SAR(10 g) = 0.071 mW/g
 Maximum value of SAR (measured) = 0.147 mW/g

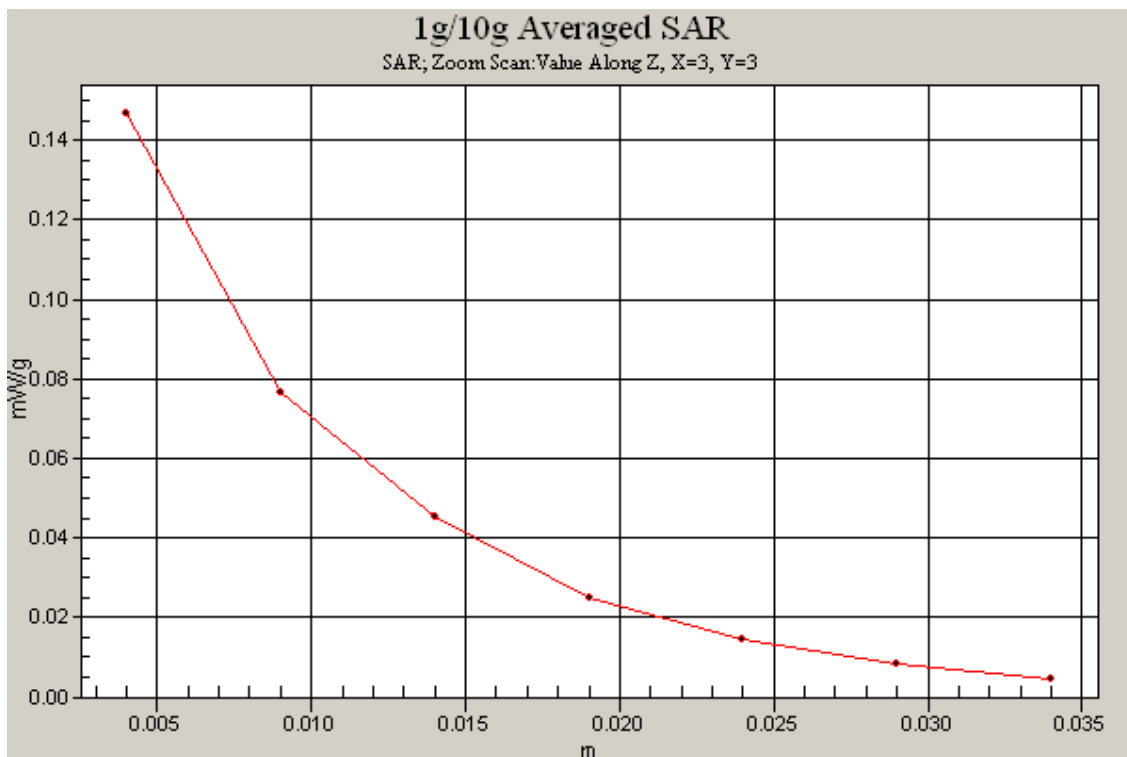


SAR MEASUREMENT PLOT 2

Ambient Temperature
Liquid Temperature
Humidity

21.6 Degrees Celsius
20.3 Degrees Celsius
43.0 %





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Test Date: 10 September 2010

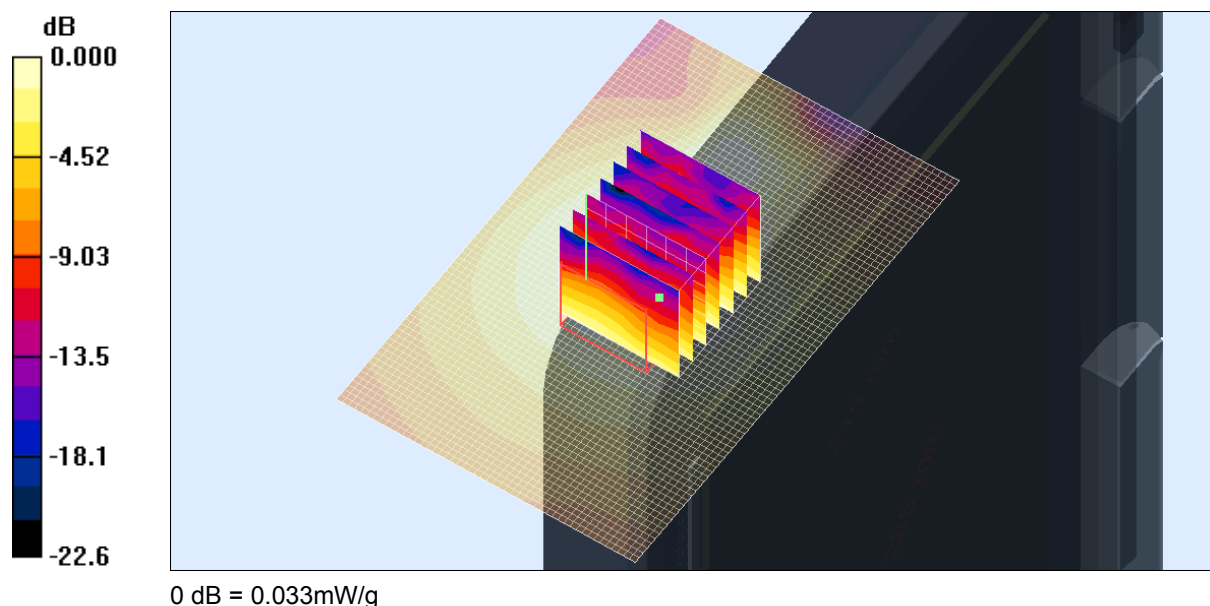
File Name: M100859 Secondary Portrait DSSS 2.4 GHz Antenna A (1) 10-09-10.da4

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

- * Communication System: DSSS 2450 MHz; Frequency: 2437 MHz; Duty Cycle: 1:1
- * Medium parameters used: $f = 2438$ MHz; $\sigma = 1.94$ mho/m; $\epsilon_r = 53.5$; $\rho = 1000$ kg/m³
- Electronics: DAE3 Sn442; Probe: ET3DV6 - SN1380; ConvF(4.11, 4.11, 4.11)
- Phantom: Flat Phantom 10.1; Serial: P 10.1; Phantom section: Flat 2.2 Section

Channel 6 Test/Area Scan (51x81x1): Measurement grid: dx=15mm, dy=15mm
 Maximum value of SAR (interpolated) = 0.030 mW/g

Channel 6 Test/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
 Reference Value = 3.84 V/m; Power Drift = -0.149 dB
 Peak SAR (extrapolated) = 0.065 W/kg
SAR(1 g) = 0.031 mW/g; SAR(10 g) = 0.016 mW/g
 Maximum value of SAR (measured) = 0.033 mW/g

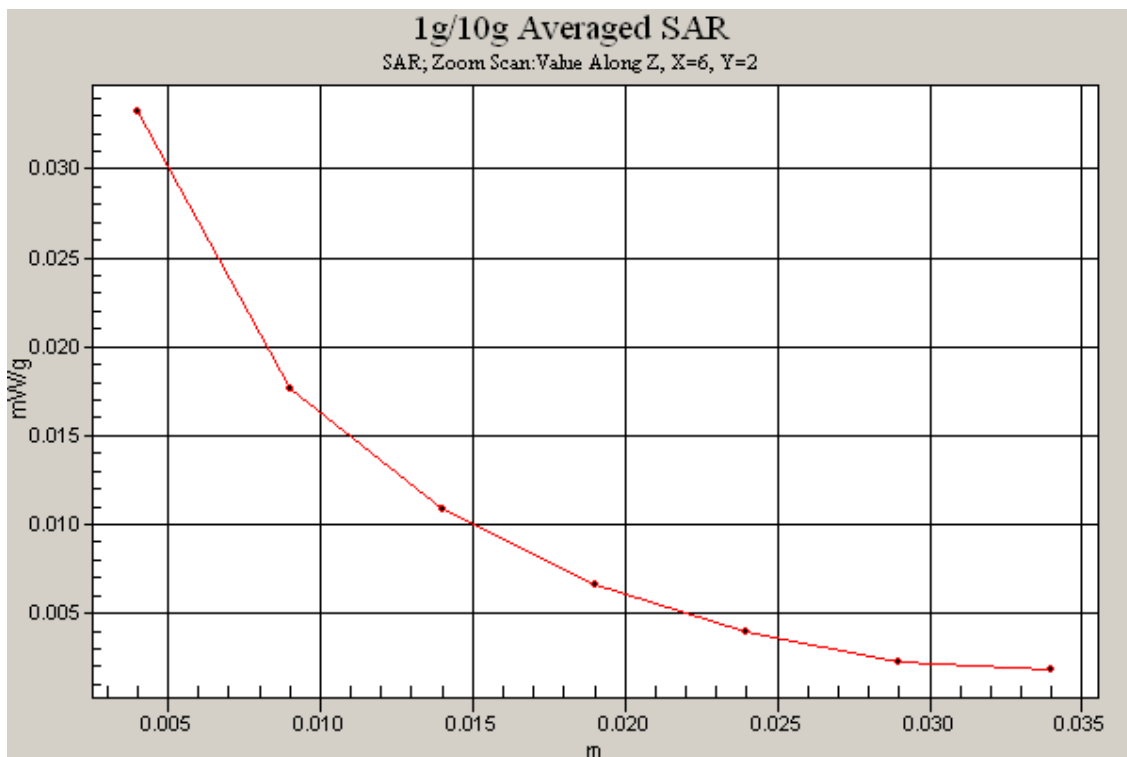


SAR MEASUREMENT PLOT 3

Ambient Temperature
Liquid Temperature
Humidity

21.6 Degrees Celsius
20.3 Degrees Celsius
43.0 %





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Test Date: 10 September 2010

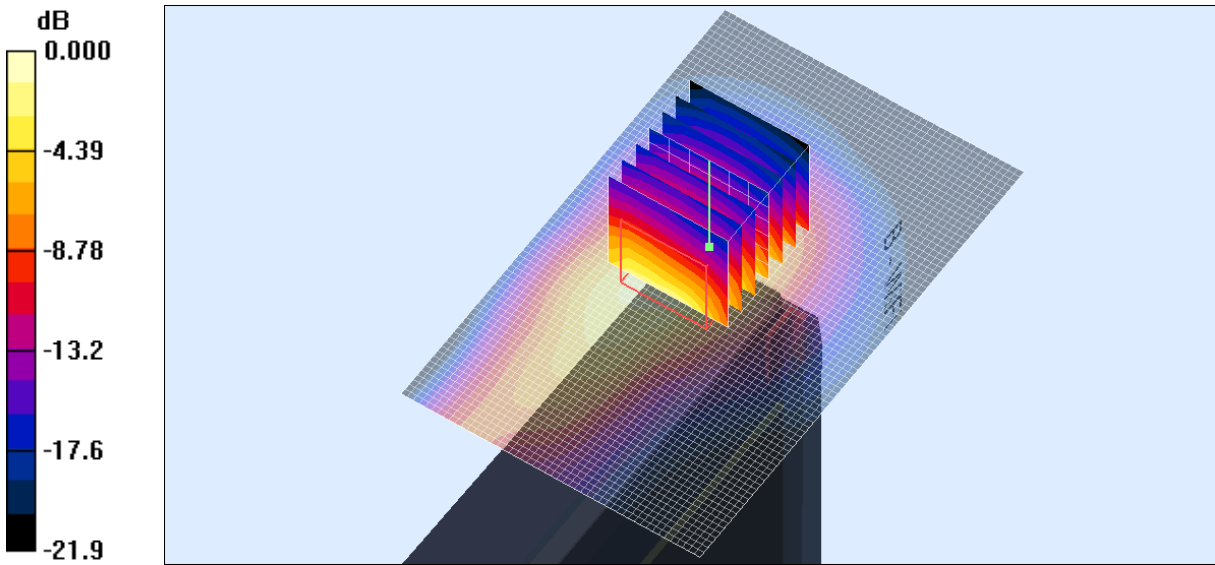
File Name: M100859 Primary Portrait DSSS 2.4 GHz Antenna B (2) 10-09-10.da4

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

- * Communication System: DSSS 2450 MHz; Frequency: 2412 MHz; Duty Cycle: 1:1
- * Medium parameters used: $f = 2410$ MHz; $\sigma = 1.9$ mho/m; $\epsilon_r = 53.7$; $\rho = 1000$ kg/m³
- Electronics: DAE3 Sn442; Probe: ET3DV6 - SN1380; ConvF(4.11, 4.11, 4.11)
- Phantom: Flat Phantom 10.1; Serial: P 10.1; Phantom section: Flat 2.2 Section

Channel 1 Test/Area Scan (51x81x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.927 mW/g

Channel 1 Test/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 8.87 V/m; Power Drift = 0.446 dB
Peak SAR (extrapolated) = 2.07 W/kg
SAR(1 g) = 0.852 mW/g; SAR(10 g) = 0.401 mW/g
Maximum value of SAR (measured) = 0.966 mW/g

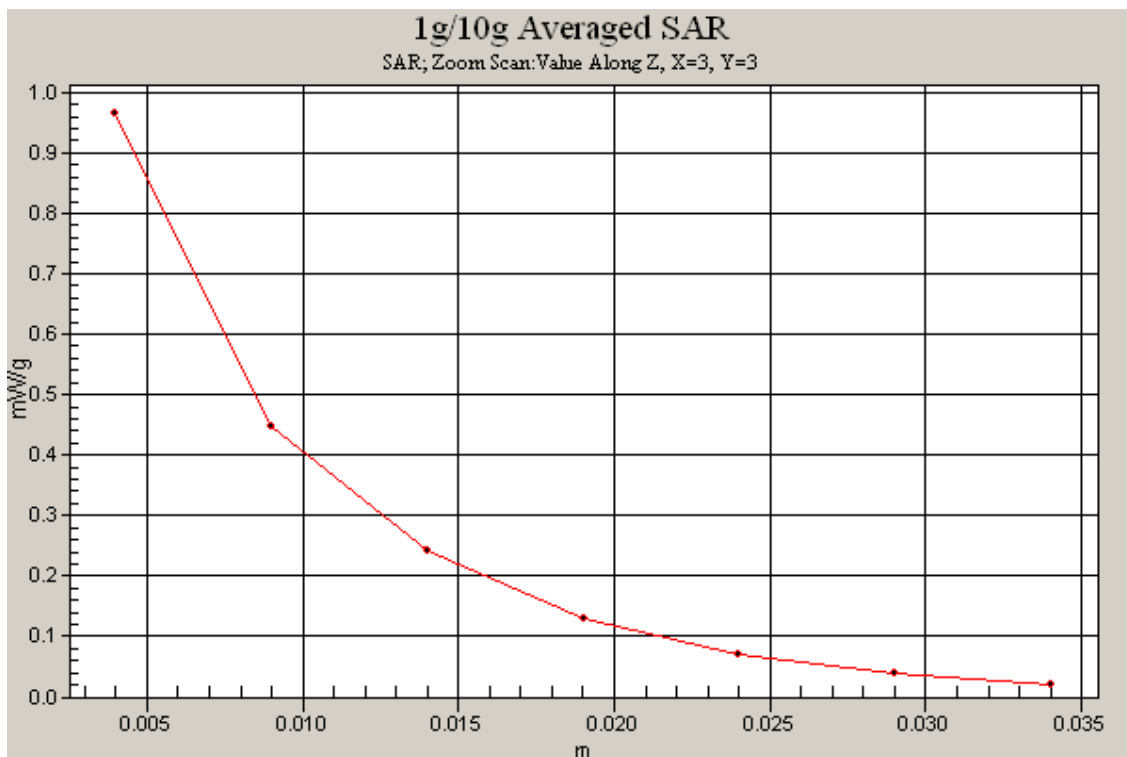


SAR MEASUREMENT PLOT 4

Ambient Temperature
Liquid Temperature
Humidity

21.6 Degrees Celsius
21.3 Degrees Celsius
43.0 %





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Test Date: 10 September 2010

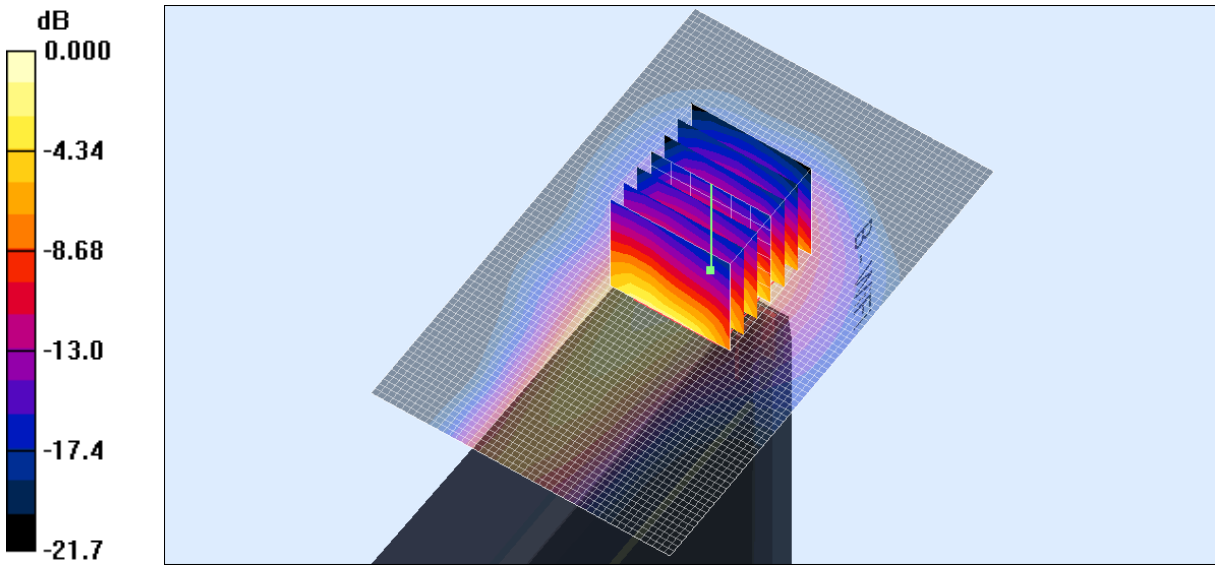
File Name: M100859 Primary Portrait DSSS 2.4 GHz Antenna B (2) 10-09-10.da4

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

- * Communication System: DSSS 2450 MHz; Frequency: 2437 MHz; Duty Cycle: 1:1
- * Medium parameters used: $f = 2438 \text{ MHz}$; $\sigma = 1.94 \text{ mho/m}$; $\epsilon_r = 53.5$; $\rho = 1000 \text{ kg/m}^3$
- Electronics: DAE3 Sn442; Probe: ET3DV6 - SN1380; ConvF(4.11, 4.11, 4.11)
- Phantom: Flat Phantom 10.1; Serial: P 10.1; Phantom section: Flat 2.2 Section

Channel 6 Test/Area Scan (51x81x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.621 mW/g

Channel 6 Test/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 14.2 V/m; Power Drift = -0.200 dB
Peak SAR (extrapolated) = 1.78 W/kg
SAR(1 g) = 0.734 mW/g; SAR(10 g) = 0.346 mW/g
Maximum value of SAR (measured) = 0.823 mW/g

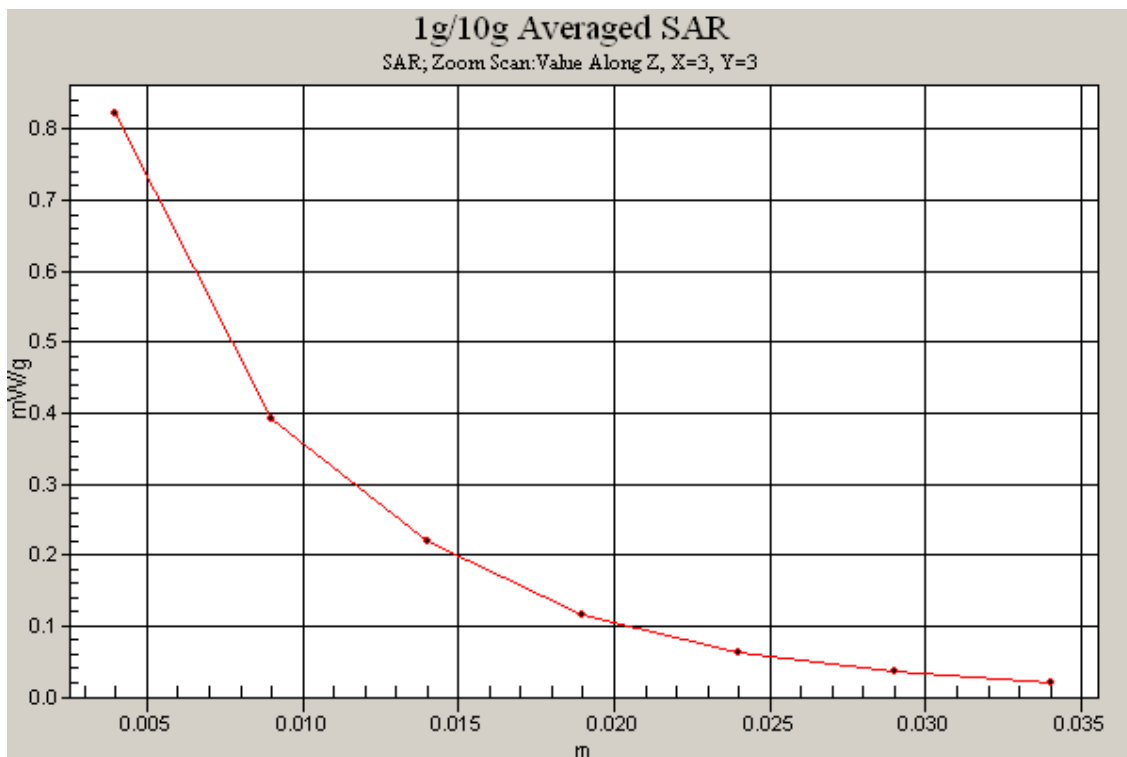


SAR MEASUREMENT PLOT 5

Ambient Temperature
Liquid Temperature
Humidity

21.6 Degrees Celsius
20.3 Degrees Celsius
43.0 %





Test Date: 10 September 2010

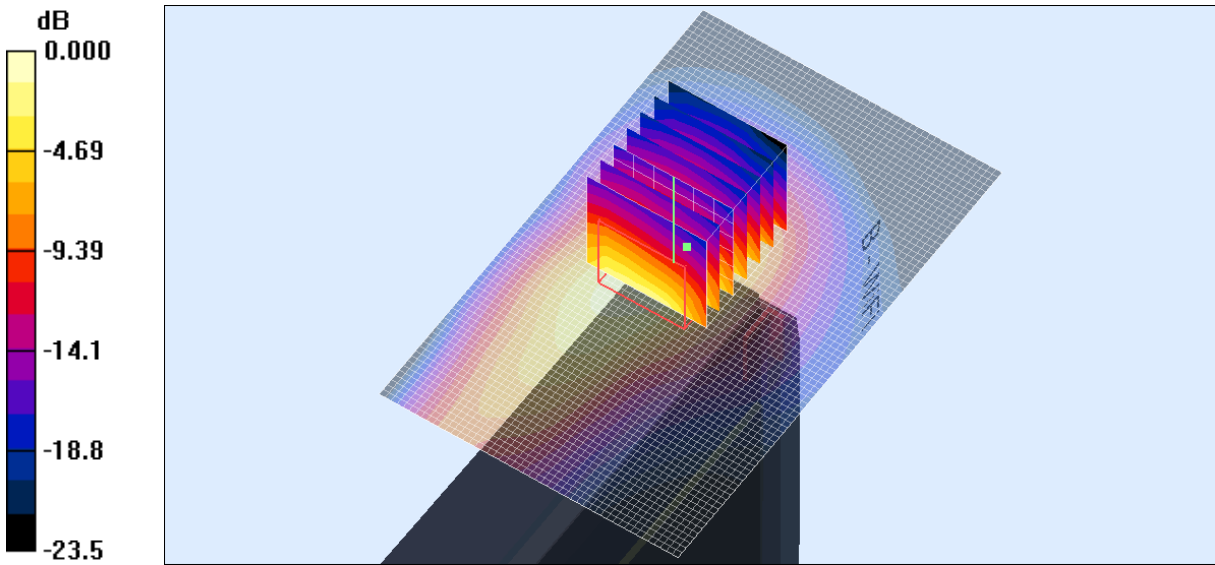
File Name: M100859 Primary Portrait DSSS 2.4 GHz Antenna B (2) 10-09-10.da4

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

- * Communication System: DSSS 2450 MHz; Frequency: 2462 MHz; Duty Cycle: 1:1
- * Medium parameters used: $f = 2462$ MHz; $\sigma = 1.97$ mho/m; $\epsilon_r = 53.3$; $\rho = 1000$ kg/m³
- Electronics: DAE3 Sn442; Probe: ET3DV6 - SN1380; ConvF(4.11, 4.11, 4.11)
- Phantom: Flat Phantom 10.1; Serial: P 10.1; Phantom section: Flat 2.2 Section

Channel 11 Test/Area Scan (51x81x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.793 mW/g

Channel 11 Test/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 8.80 V/m; Power Drift = -0.246 dB
Peak SAR (extrapolated) = 1.77 W/kg
SAR(1 g) = 0.725 mW/g; SAR(10 g) = 0.338 mW/g
Maximum value of SAR (measured) = 0.816 mW/g



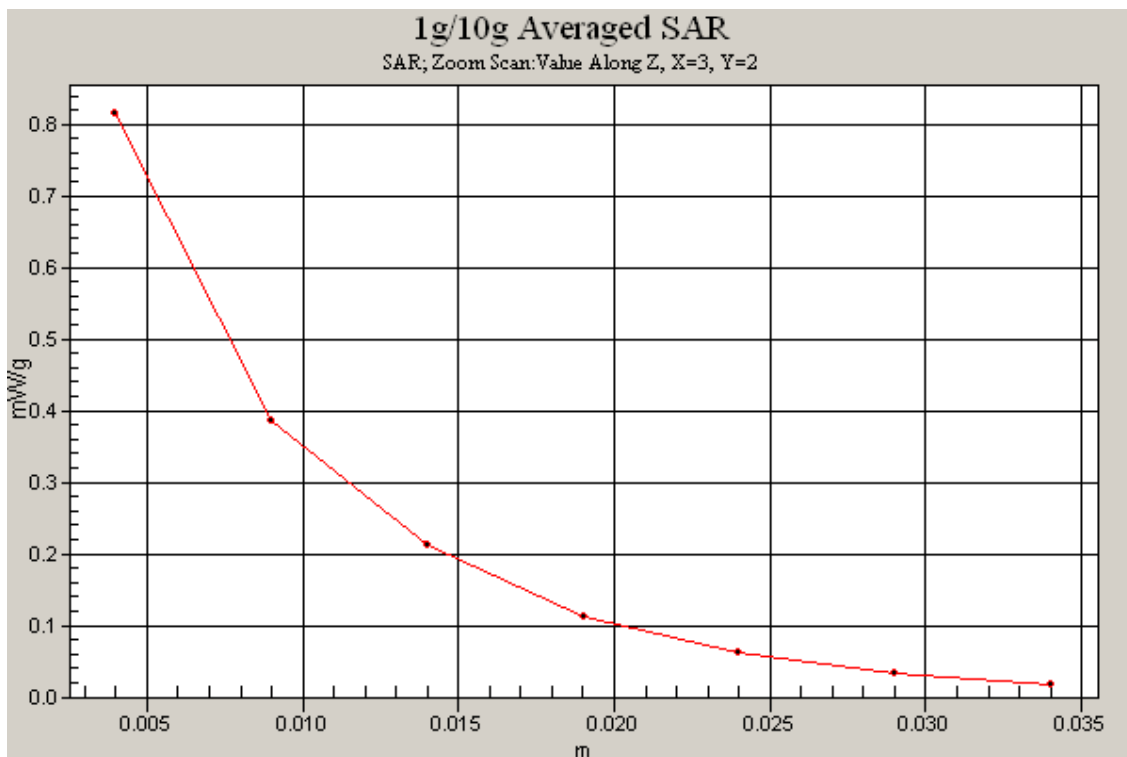
0 dB = 0.816mW/g

SAR MEASUREMENT PLOT 6

Ambient Temperature
Liquid Temperature
Humidity

21.6 Degrees Celsius
21.3 Degrees Celsius
43.0 %





Test Date: 10 September 2010

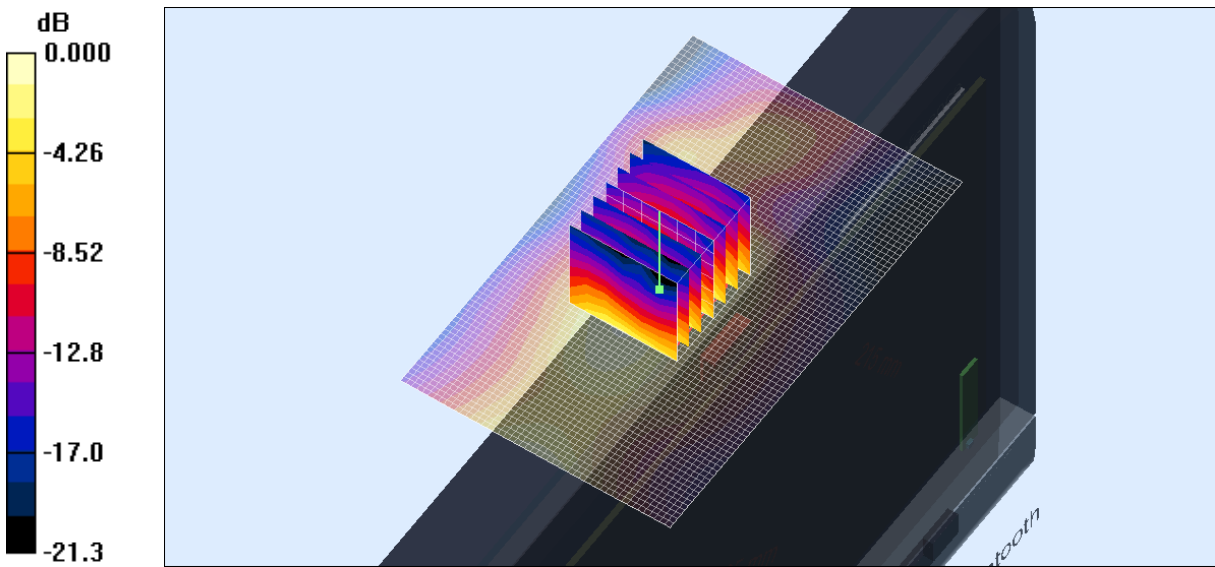
File Name: M100859 Secondary Landscape DSSS 2.4 GHz Antenna A (1) 10-09-10.da4

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

- * Communication System: DSSS 2450 MHz; Frequency: 2437 MHz; Duty Cycle: 1:1
- * Medium parameters used: $f = 2438 \text{ MHz}$; $\sigma = 1.94 \text{ mho/m}$; $\epsilon_r = 53.5$; $\rho = 1000 \text{ kg/m}^3$
- Electronics: DAE3 Sn442; Probe: ET3DV6 - SN1380; ConvF(4.11, 4.11, 4.11)
- Phantom: Flat Phantom 10.1; Serial: P 10.1; Phantom section: Flat 2.2 Section

Channel 6 Test/Area Scan (51x81x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.327 mW/g

Channel 6 Test/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 8.47 V/m; Power Drift = -0.009 dB
Peak SAR (extrapolated) = 0.595 W/kg
SAR(1 g) = 0.278 mW/g; SAR(10 g) = 0.142 mW/g
Maximum value of SAR (measured) = 0.298 mW/g



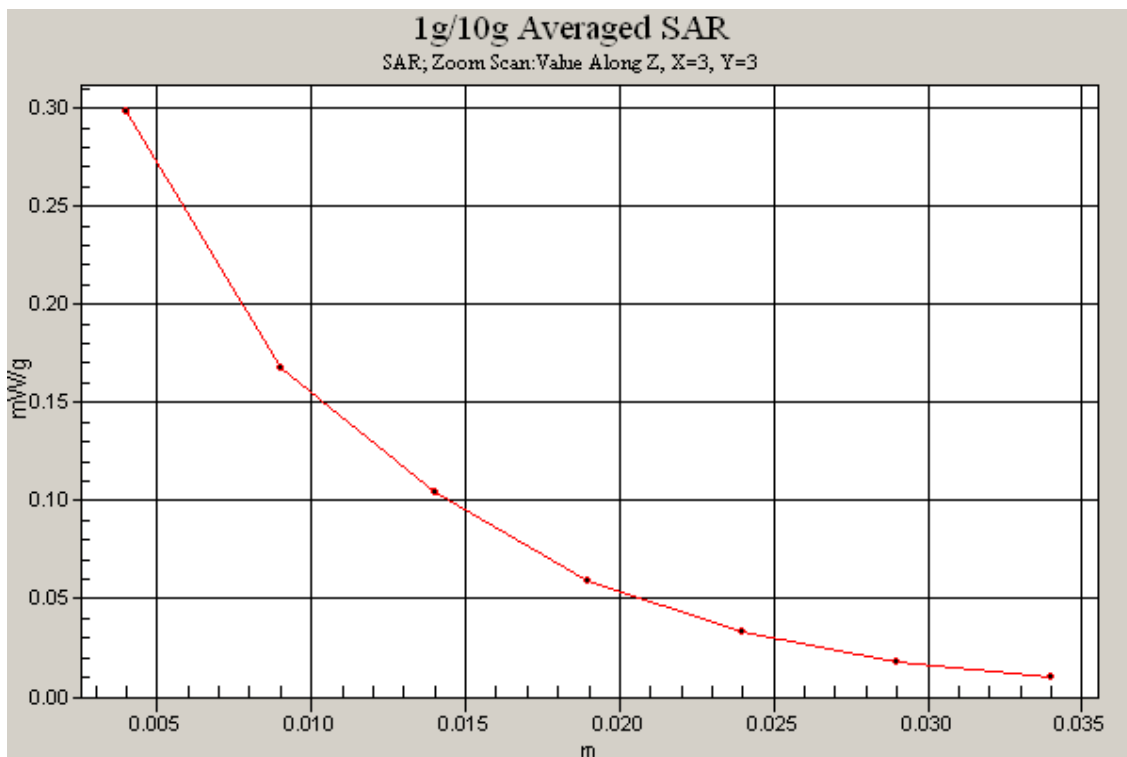
0 dB = 0.298mW/g

SAR MEASUREMENT PLOT 7

Ambient Temperature
Liquid Temperature
Humidity

21.6 Degrees Celsius
21.3 Degrees Celsius
43.0 %





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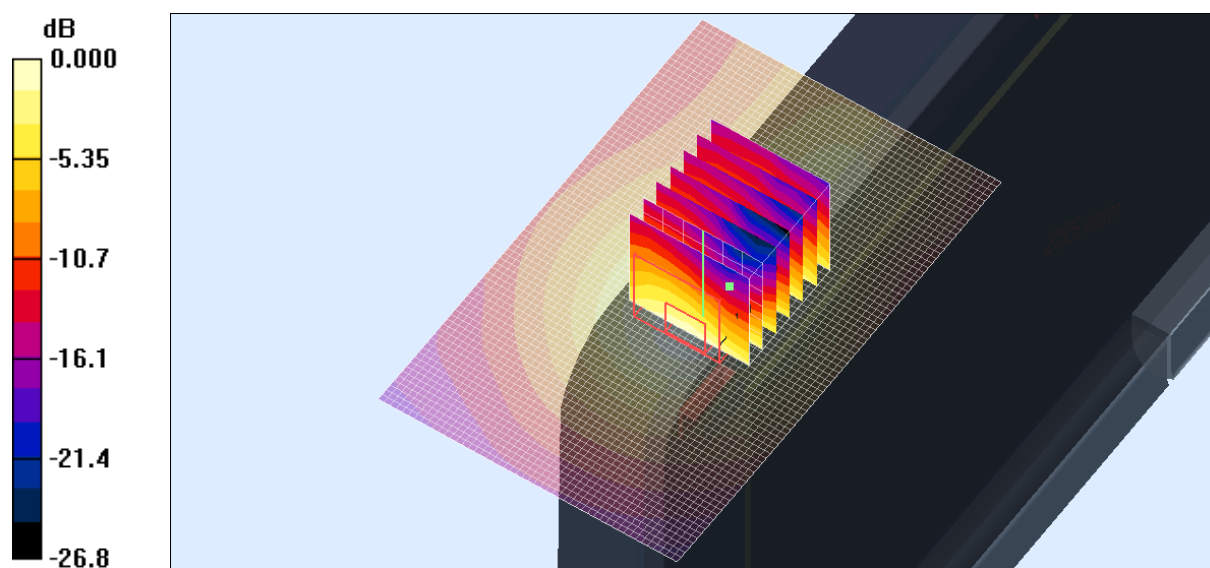
File Name: M100859 Secondary Landscape DSSS 2.4 GHz Antenna B (2) 10-09-10.da4

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

- * Communication System: DSSS 2450 MHz; Frequency: 2437 MHz; Duty Cycle: 1:1
- * Medium parameters used: $f = 2438$ MHz; $\sigma = 1.94$ mho/m; $\epsilon_r = 53.5$; $\rho = 1000$ kg/m³
- Electronics: DAE3 Sn442; Probe: ET3DV6 - SN1380; ConvF(4.11, 4.11, 4.11)
- Phantom: Flat Phantom 10.1; Serial: P 10.1; Phantom section: Flat 2.2 Section

Channel 6 Test/Area Scan (51x81x1): Measurement grid: dx=15mm, dy=15mm
 Maximum value of SAR (interpolated) = 0.227 mW/g

Channel 6 Test/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
 Reference Value = 9.78 V/m; Power Drift = 0.313 dB
 Peak SAR (extrapolated) = 0.544 W/kg
SAR(1 g) = 0.227 mW/g; SAR(10 g) = 0.114 mW/g
 Maximum value of SAR (measured) = 0.245 mW/g



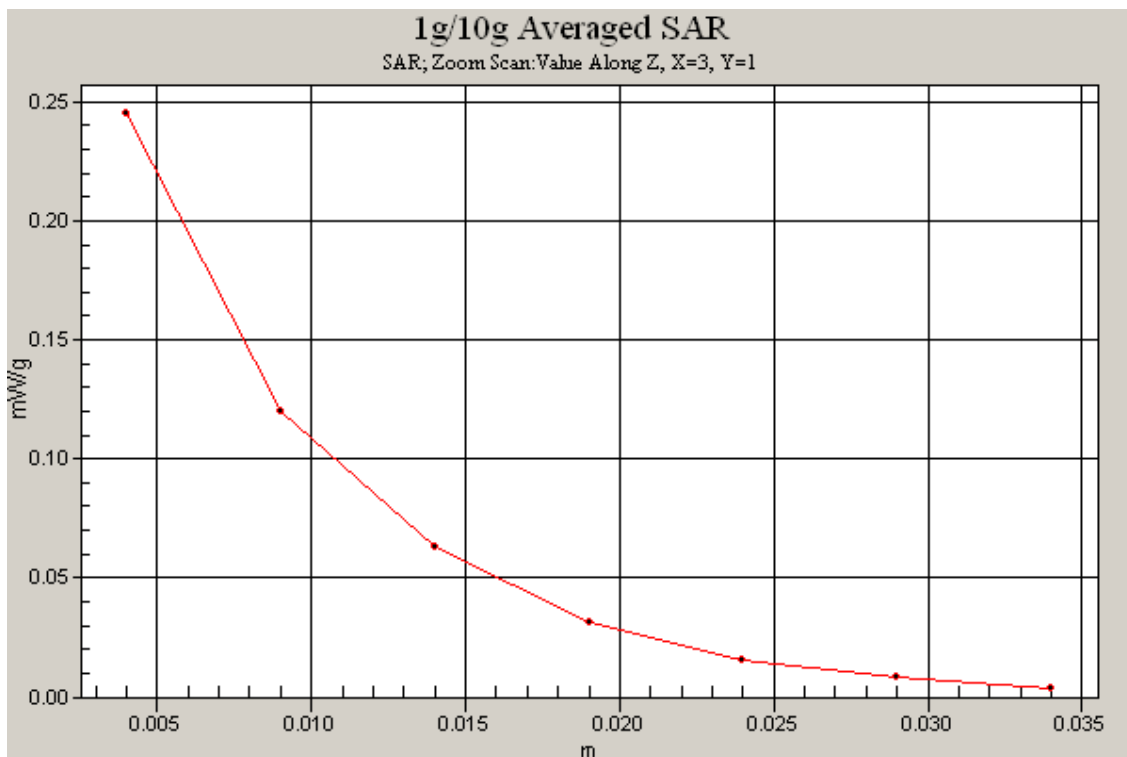
0 dB = 0.245mW/g

SAR MEASUREMENT PLOT 8

Ambient Temperature
Liquid Temperature
Humidity

21.6 Degrees Celsius
20.3 Degrees Celsius
43.0 %





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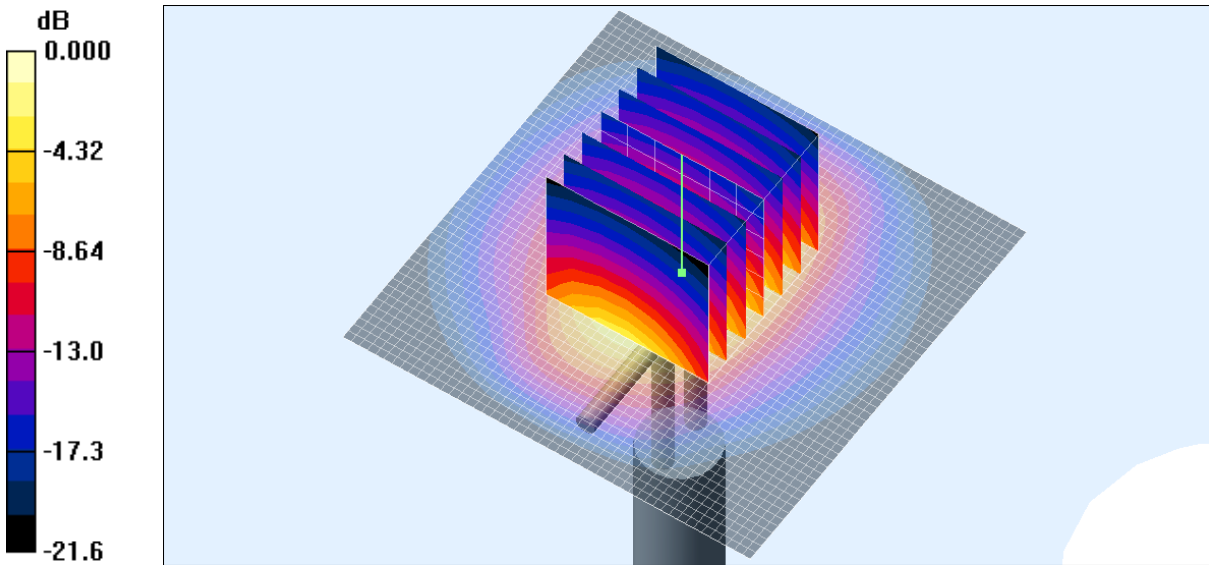
File Name: System Check 2450 MHz (DAE442 Probe1380) 10-09-10.da4

DUT: Dipole 2450 MHz; Type: DV2450V2; Serial: 724

- * Communication System: CW 2450 MHz; Frequency: 2450 MHz; Duty Cycle: 1:1
- * Medium parameters used: $f = 2450$ MHz; $\sigma = 1.77$ mho/m; $\epsilon_r = 39.6$; $\rho = 1000$ kg/m³
- Electronics: DAE3 Sn442; Probe: ET3DV6 - SN1380; ConvF(4.44, 4.44, 4.44)
- Phantom: SAM 22; Serial: 1260; Phantom section: Flat Section

Channel 1 Test/Area Scan (51x51x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 18.7 mW/g

Channel 1 Test/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 96.5 V/m; Power Drift = 0.001 dB
Peak SAR (extrapolated) = 29.1 W/kg
SAR(1 g) = 13.4 mW/g; SAR(10 g) = 6.27 mW/g
Maximum value of SAR (measured) = 15.0 mW/g



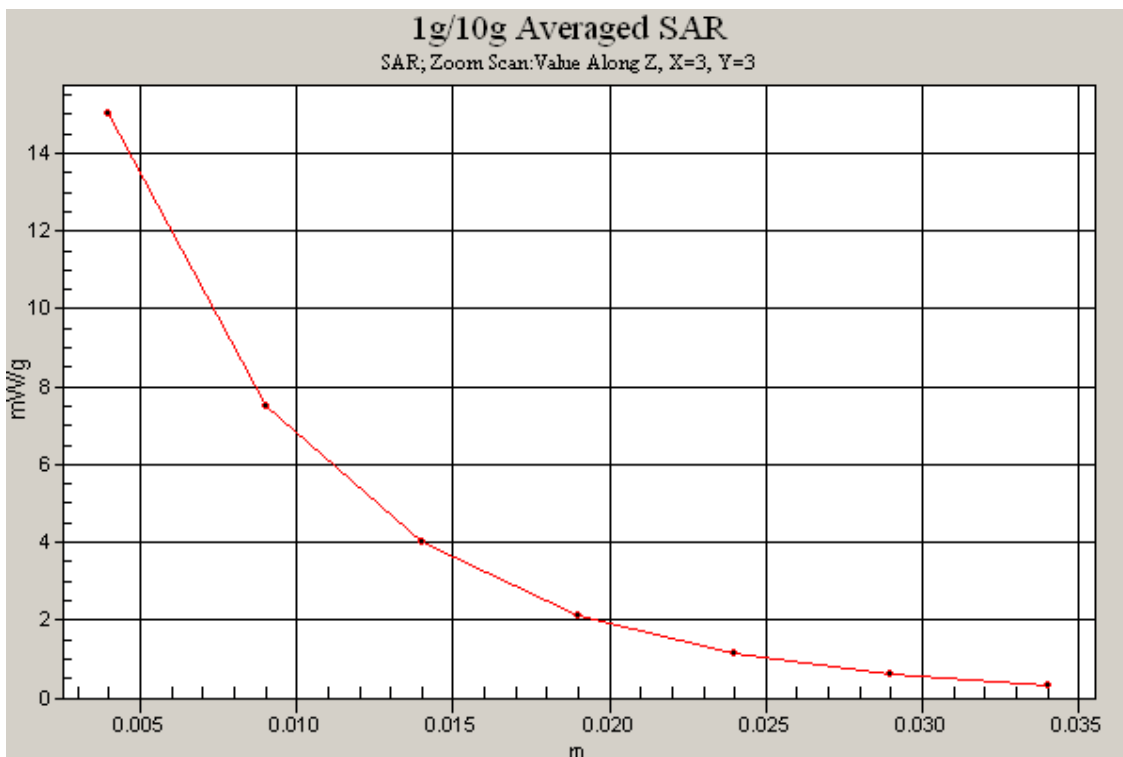
0 dB = 15.0mW/g

SAR MEASUREMENT PLOT 9

Ambient Temperature
Liquid Temperature
Humidity

21.6 Degrees Celsius
20.3 Degrees Celsius
43.0 %





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