

APPENDIX B

PLOTS OF THE SAR MEASUREMENTS

Plots of the measured SAR distributions inside the phantom are given in this Appendix for both the “Lap Arm Held” and “Tablet” configurations of the phantom. The spatial peak SAR values were assessed with the procedure described in this report. The SAR contour plots have been provided for the worst-case point for each category of measurement.

Secondary Peaks: Secondary peaks were only measured when the peak spatial average SAR was less than 0.1mW/g. The SAR levels recorded in this position were within the noise floor of the SAR measurement system and this is the reason why a specific ‘hot-spot’ was not found and consequently additional peaks were identified. This phenomenon can be ignored for compliance purposes due to the very low SAR values involved. Refer to plots 1 and 6 for examples of this.

Table 16: 2450 MHz DSSS Band SAR Measurement Plot Numbers

Plot 1	Lap Arm Held Position – CH#06 – Ant Main	Page 26
Plot 2	Lap Arm Held Position – CH#01 – Ant Aux	Page 27
Plot 3	Lap Arm Held Position – CH#06 – Ant Aux	Page 28
Plot 4	Lap Arm Held Position – CH#11 – Ant Aux	Page 29
Plot 5	Lap Arm Held Position – CH#11 – Ant Aux – 6600mAh	Page 31
Z-Axis Graphs	Z-Axis graphs for Plots 2 to 5	Pages 32-33
Plot 6	Tablet Position – CH#06 – Ant Aux	Page 34
Plot 7	Tablet Position – CH#01 – Ant Main	Page 35
Plot 8	*Tablet Position – CH#06 – Ant Main	Page 36
Plot 9	Tablet Position – CH#06 – Ant Main	Page 37
Plot 10	Tablet Position – CH#11 – Ant Main	Page 38
Z-Axis Graphs *Prescan Only	Z-Axis graphs for Plots 7, 9 and 10	Pages 40- 41

Table 17: 2450 MHz OFDM Band SAR Measurement Plot Numbers

Plot 11	Lap Arm Held Position – CH#06 – Ant Main	Page 42
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Table 18: 2450MHz Validation Plot

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Plot 15	Validation 2450MHz 28 th January 2004	Page 46
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Test Date: 27 January 2004

File Name: [Arm-Held DSSS 2.45 Ghz Antenna MAIN Prescan 27-01-04.da4](#)

DUT: Fujitsu Tablet Ocamp2 with Calexico2 11bg Module; Type: WM3B2200BG; Serial: 005681463ADC55373103

* Communication System: DSSS 2450 MHz; Frequency: 2437 MHz; Duty Cycle: 1:1

* Medium: Body 2450 MHz; ($\sigma = 1.96338$ mho/m, $\epsilon_r = 51.022$, $\rho = 1000$ kg/m³)

- Electronics: DAE3 Sn442; Probe: ET3DV6 - SN1380; ConvF(4.5, 4.5, 4.5)

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

Channel 06 Test/Area Scan (141x191x1): Measurement grid: dx=20mm, dy=20mm

Reference Value = 2.9 V/m

Power Drift = -0.3 dB

Maximum value of SAR = 0.057 mW/g

Channel 06 Test/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

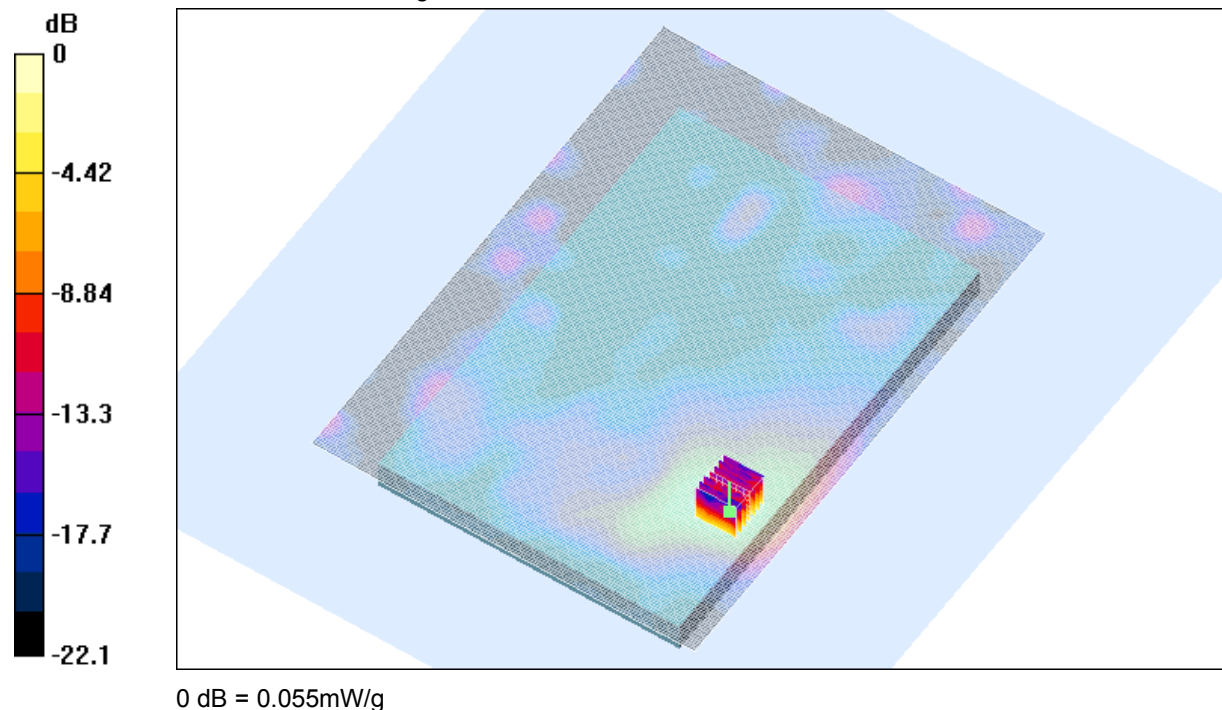
Peak SAR (extrapolated) = 0.157 W/kg

SAR(1 g) = 0.092 mW/g; SAR(10 g) = 0.051 mW/g

Reference Value = 2.9 V/m

Power Drift = -0.3 dB

Maximum value of SAR = 0.055 mW/g



SAR MEASUREMENT PLOT 1

Ambient Temperature

21.9 Degrees Celsius

Liquid Temperature

20.9 Degrees Celsius

Humidity

63 %

Test Date: 23 January 2004

File Name: [Arm-Held DSSS 2.45 Ghz Antenna AUX 23-01-04.da4](#)

DUT: Fujitsu Tablet Ocamp2 with Calexico2 11bg Module; Type: WM3B2200BG; Serial: 005681463ADC55373103

* Communication System: DSSS 2450 MHz; Frequency: 2412 MHz; Duty Cycle: 1:1

* Medium: Body 2450 MHz; ($\sigma = 1.91549$ mho/m, $\epsilon_r = 51.4294$, $\rho = 1000$ kg/m³)

- Electronics: DAE3 Sn442; Probe: ET3DV6 - SN1380; ConvF(4.5, 4.5, 4.5)

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

Channel 01 Test/Area Scan (81x61x1): Measurement grid: dx=20mm, dy=20mm

Reference Value = 11.6 V/m

Power Drift = -0.3 dB

Maximum value of SAR = 0.238 mW/g

Channel 01 Test/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

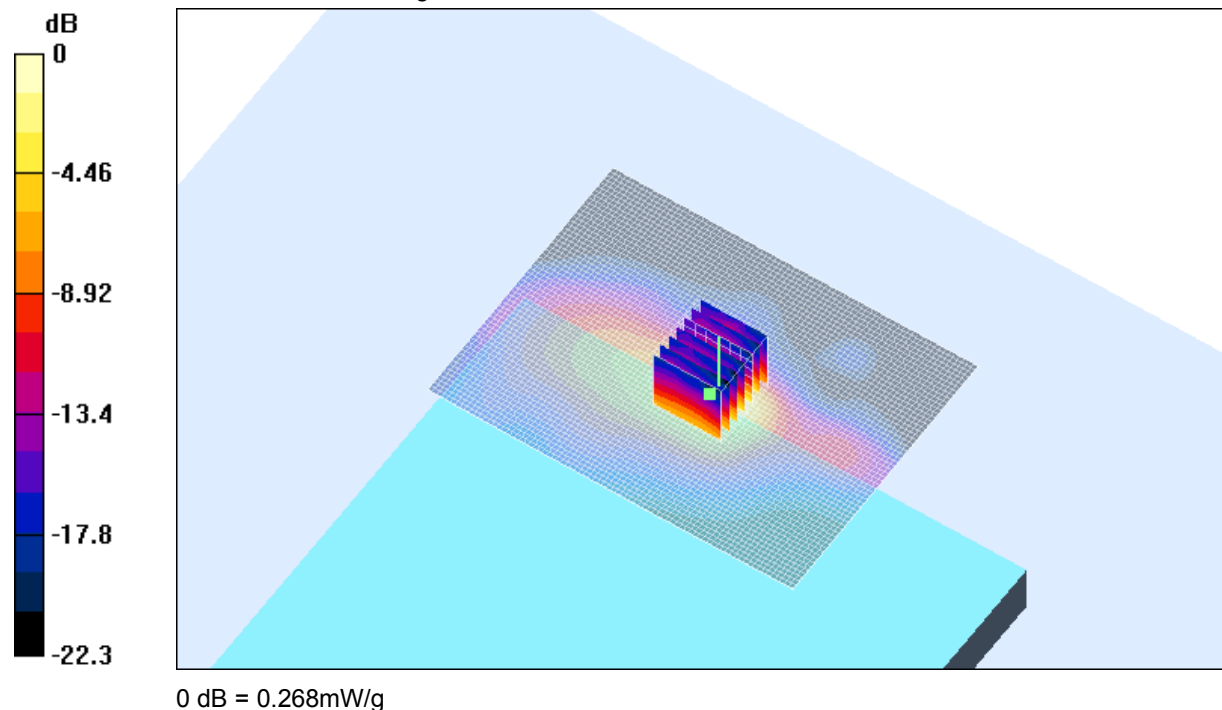
Peak SAR (extrapolated) = 1.68 W/kg

SAR(1 g) = 0.558 mW/g; SAR(10 g) = 0.217 mW/g

Reference Value = 11.6 V/m

Power Drift = -0.3 dB

Maximum value of SAR = 0.268 mW/g



SAR MEASUREMENT PLOT 2

Ambient Temperature

21.8 Degrees Celsius

Liquid Temperature

20.9 Degrees Celsius

Humidity

45 %

Test Date: 23 January 2004

File Name: [Arm-Held DSSS 2.45 Ghz Antenna AUX Prescan 23-01-04.da4](#)

DUT: Fujitsu Tablet Ocamp2 with Calexico2 11bg Module; Type: WM3B2200BG; Serial: 005681463ADC55373103

* Communication System: DSSS 2450 MHz; Frequency: 2437 MHz; Duty Cycle: 1:1

* Medium: Body 2450 MHz; ($\sigma = 1.95898$ mho/m, $\epsilon_r = 51.2697$, $\rho = 1000$ kg/m³)

- Electronics: DAE3 Sn442; Probe: ET3DV6 - SN1380; ConvF(4.5, 4.5, 4.5)

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

Channel 06 Test/Area Scan (141x191x1): Measurement grid: dx=20mm, dy=20mm

Reference Value = 11.1 V/m

Power Drift = -0.2 dB

Maximum value of SAR = 0.216 mW/g

Channel 06 Test/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

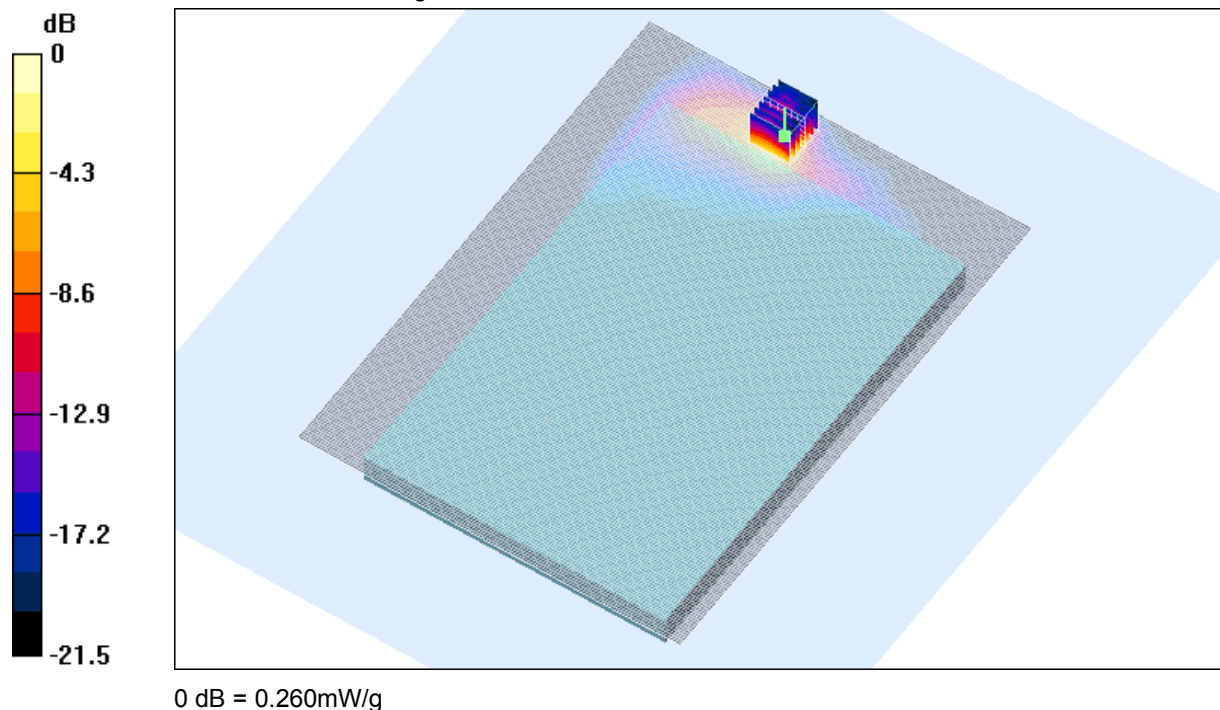
Peak SAR (extrapolated) = 1.9 W/kg

SAR(1 g) = 0.589 mW/g; SAR(10 g) = 0.224 mW/g

Reference Value = 11.1 V/m

Power Drift = -0.2 dB

Maximum value of SAR = 0.260 mW/g



SAR MEASUREMENT PLOT 3

Ambient Temperature

21.8 Degrees Celsius

Liquid Temperature

20.9 Degrees Celsius

Humidity

45 %

Test Date: 23 January 2004

File Name: [Arm-Held DSSS 2.45 Ghz Antenna AUX 23-01-04.da4](#)

DUT: Fujitsu Tablet Ocamp2 with Calexico2 11bg Module; Type: WM3B2200BG; Serial: 005681463ADC55373103

* Communication System: DSSS 2450 MHz; Frequency: 2462 MHz; Duty Cycle: 1:1

* Medium: Body 2450 MHz; ($\sigma = 1.98605$ mho/m, $\epsilon_r = 51.1538$, $\rho = 1000$ kg/m³)

- Electronics: DAE3 Sn442; Probe: ET3DV6 - SN1380; ConvF(4.5, 4.5, 4.5)

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

Channel 11 Test/Area Scan (81x61x1): Measurement grid: dx=20mm, dy=20mm

Reference Value = 11.6 V/m

Power Drift = -0.2 dB

Maximum value of SAR = 0.271 mW/g

Channel 11 Test/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

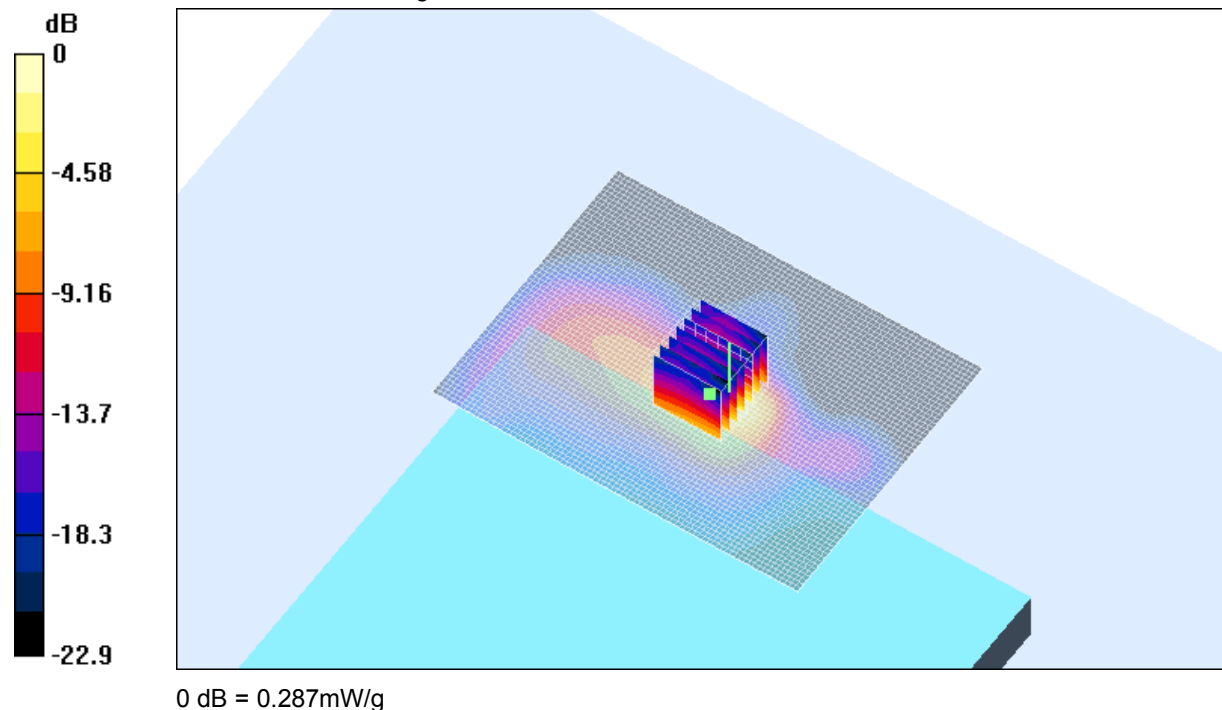
Peak SAR (extrapolated) = 1.85 W/kg

SAR(1 g) = 0.605 mW/g; SAR(10 g) = 0.228 mW/g

Reference Value = 11.6 V/m

Power Drift = -0.2 dB

Maximum value of SAR = 0.287 mW/g



SAR MEASUREMENT PLOT 4

Ambient Temperature

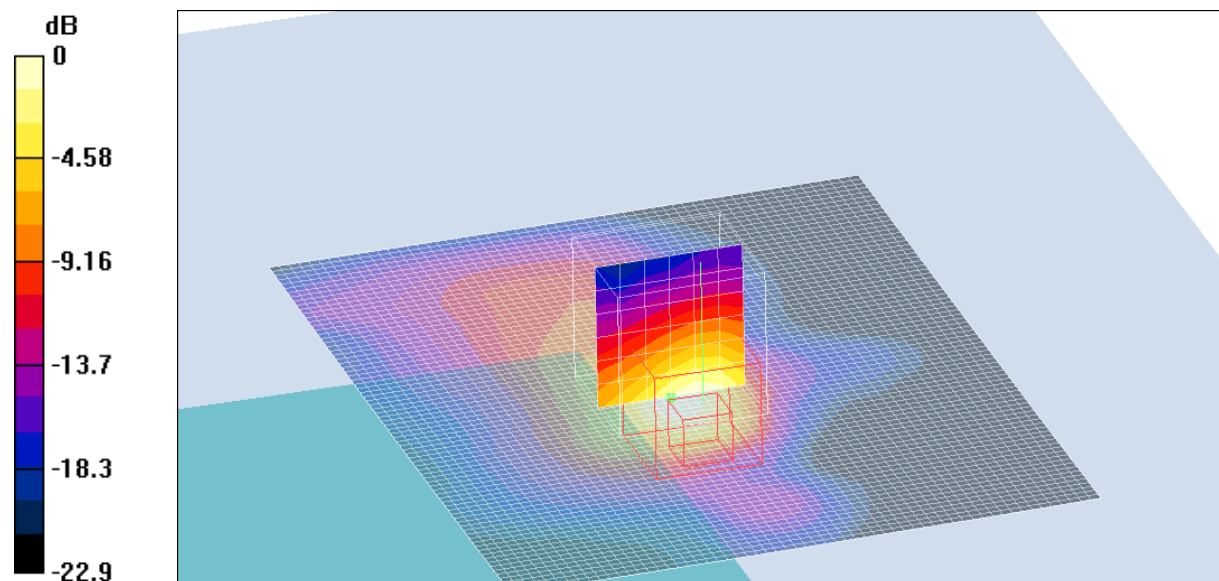
21.8 Degrees Celsius

Liquid Temperature

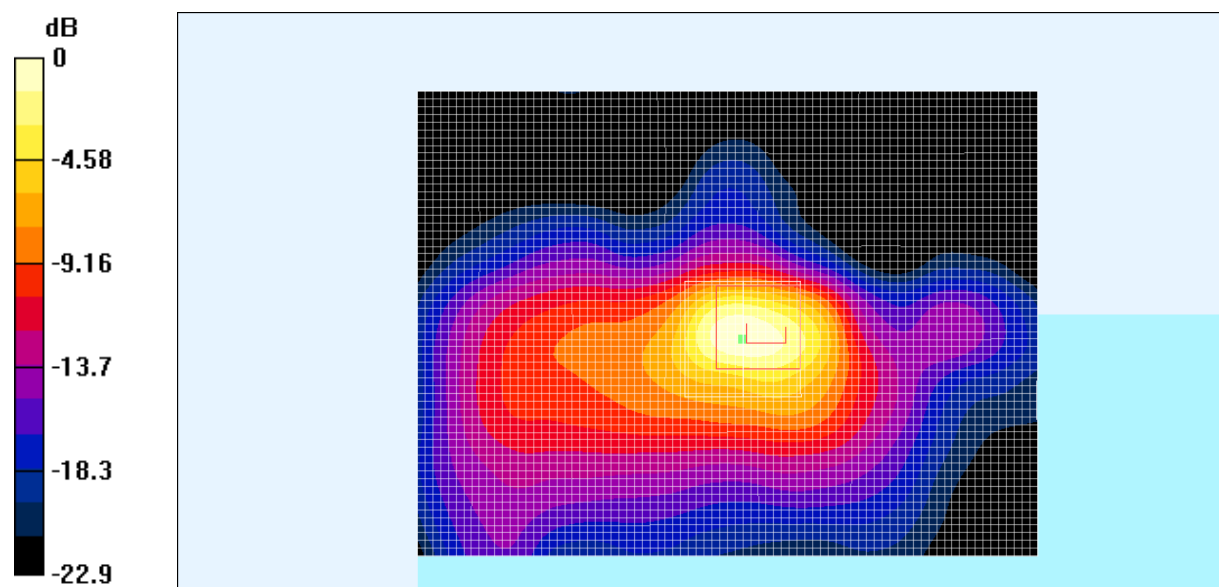
20.9 Degrees Celsius

Humidity

45 %



0 dB = 0.288mW/g



0 dB = 0.288mW/g

Test Date: 28 January 2004

File Name: [Arm-Held DSSS 2.45 Ghz Antenna AUX Extended Battery 28-01-04.da4](#)

DUT: Fujitsu Tablet Ocamp2 with Calexico2 11bg Module; Type: WM3B2200BG; Serial: 005681463ADC55373103

* Communication System: DSSS 2450 MHz; Frequency: 2462 MHz; Duty Cycle: 1:1

* Medium: Body 2450 MHz; ($\sigma = 2.00939$ mho/m, $\epsilon_r = 51.2551$, $\rho = 1000$ kg/m³)

- Electronics: DAE3 Sn442; Probe: ET3DV6 - SN1380; ConvF(4.5, 4.5, 4.5)

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

Channel 11 Test/Area Scan (81x61x1): Measurement grid: dx=20mm, dy=20mm

Reference Value = 10.8 V/m

Power Drift = 0.4 dB

Maximum value of SAR = 0.289 mW/g

Channel 11 Test/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

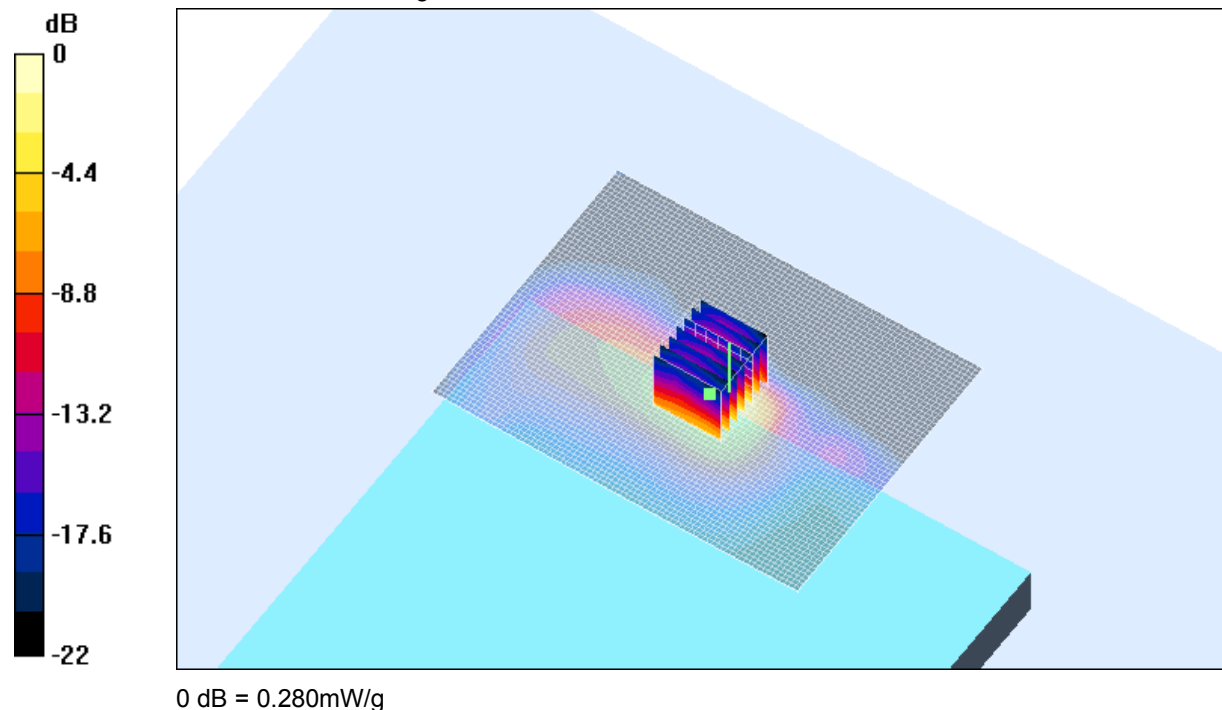
Peak SAR (extrapolated) = 1.85 W/kg

SAR(1 g) = 0.603 mW/g; SAR(10 g) = 0.230 mW/g

Reference Value = 10.8 V/m

Power Drift = 0.4 dB

Maximum value of SAR = 0.280 mW/g



SAR MEASUREMENT PLOT 5

Ambient Temperature

21.0 Degrees Celsius

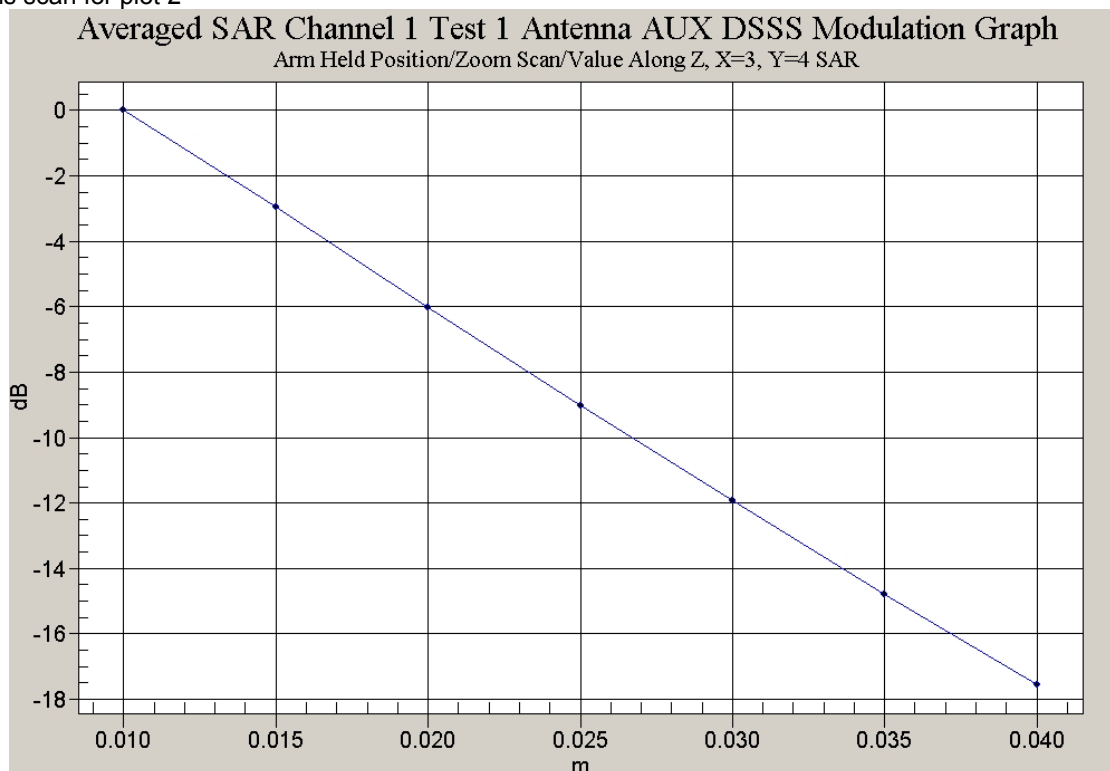
Liquid Temperature

20.1 Degrees Celsius

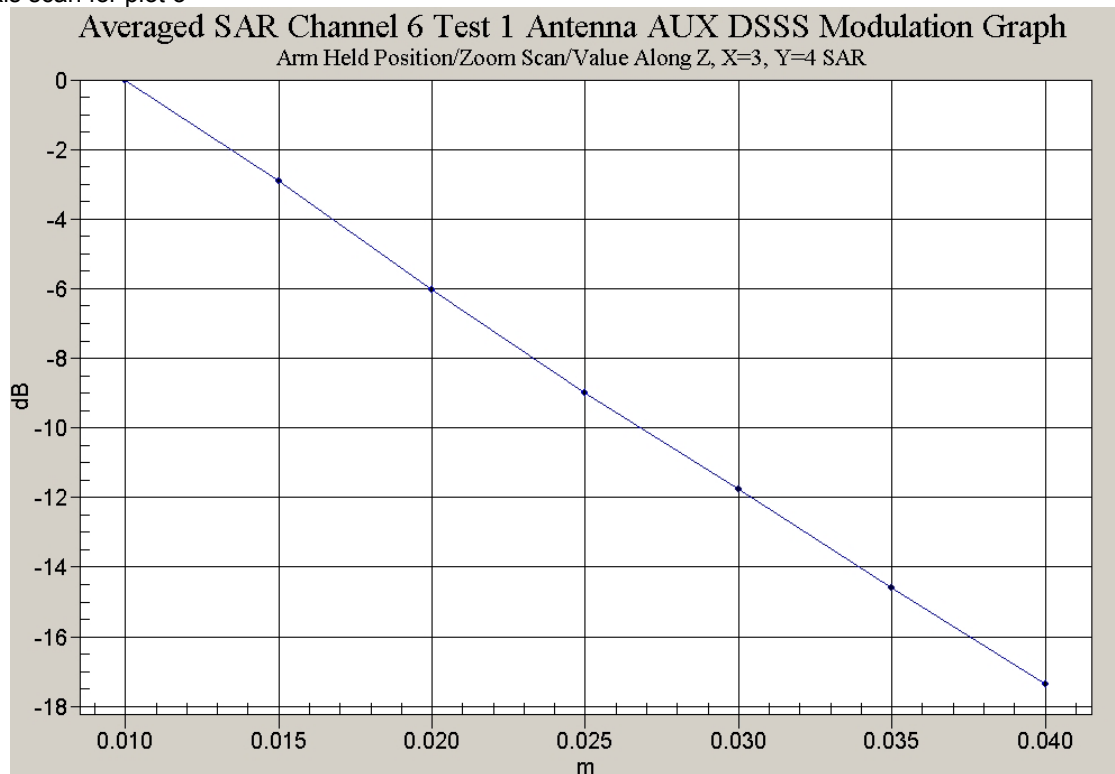
Humidity

51 %

Z-axis scan for plot 2

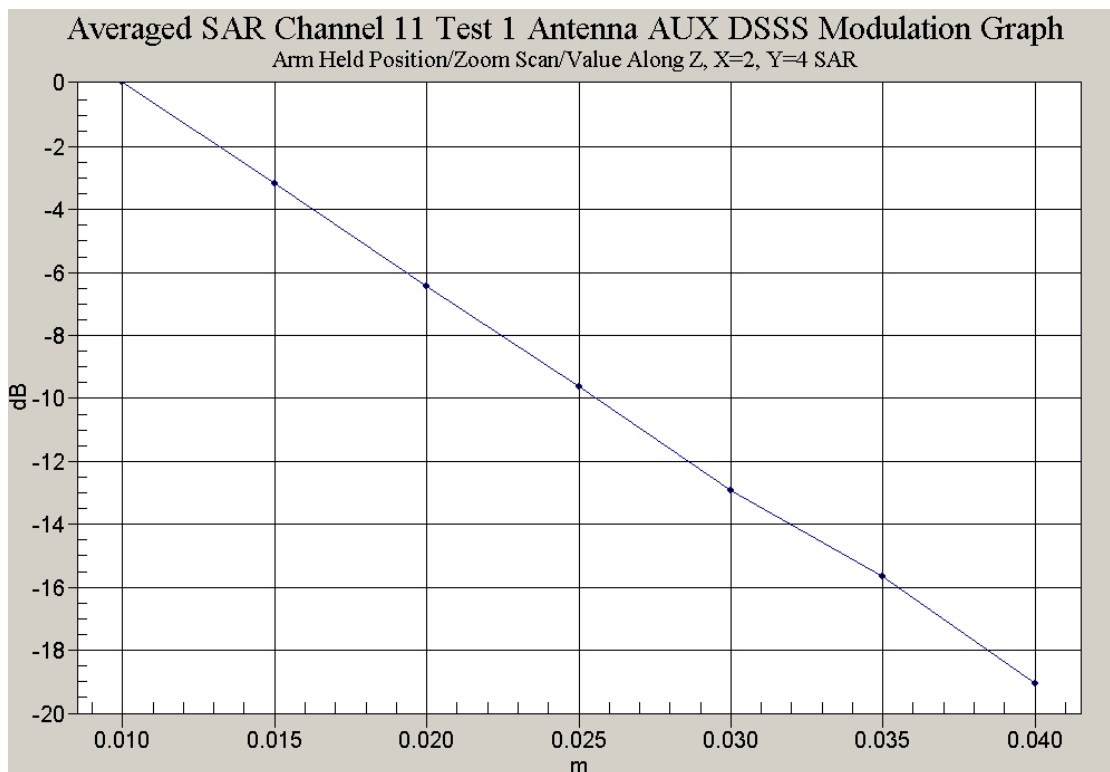


Z-axis scan for plot 3

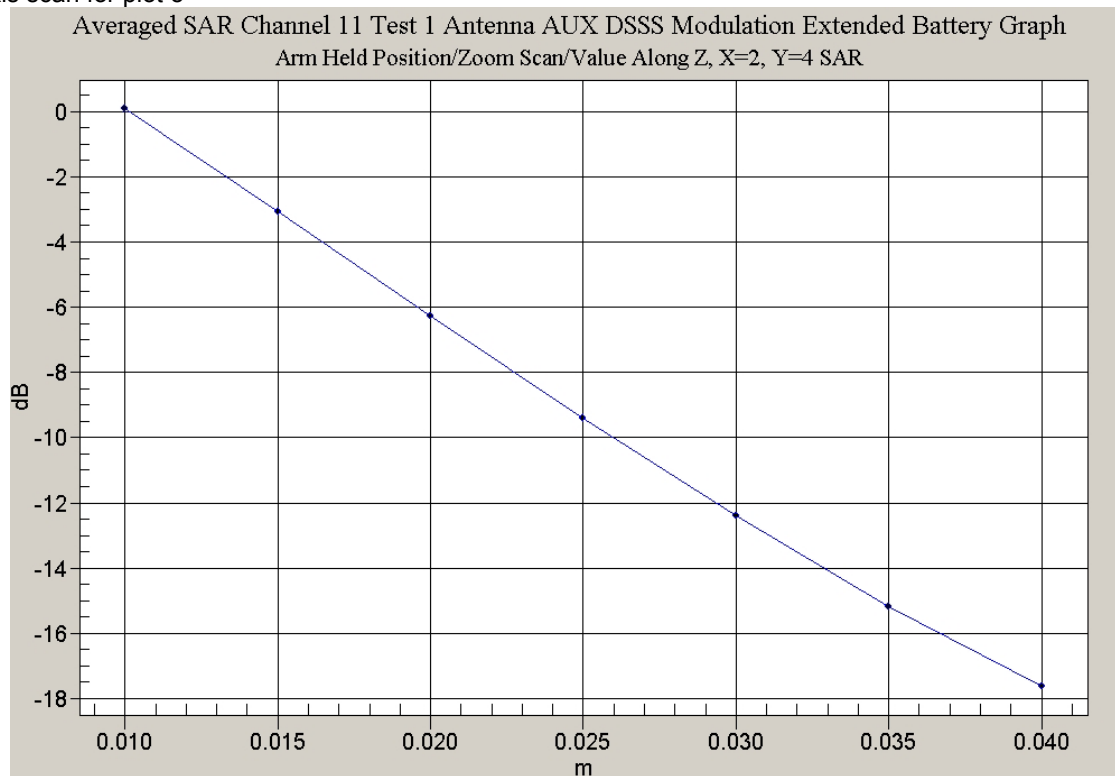


Z-axis scan for plot 4

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Z-axis scan for plot 5



Test Date: 27 January 2004

File Name: [Tablet DSSS 2.45 Ghz Antenna AUX Prescan 27-01-04.da4](#)

DUT: Fujitsu Tablet Ocamp2 with Calexico2 11bg Module; Type: WM3B2200BG; Serial: 005681463ADC55373103

* Communication System: DSSS 2450 MHz; Frequency: 2437 MHz; Duty Cycle: 1:1

* Medium: Body 2450 MHz; ($\sigma = 1.96338$ mho/m, $\epsilon_r = 51.022$, $\rho = 1000$ kg/m³)

- Electronics: DAE3 Sn442; Probe: ET3DV6 - SN1380; ConvF(4.5, 4.5, 4.5)

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

Channel 06 Test/Area Scan (141x191x1): Measurement grid: dx=20mm, dy=20mm

Reference Value = 3.41 V/m

Power Drift = 0.4 dB

Maximum value of SAR = 0.026 mW/g

Channel 06 Test/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

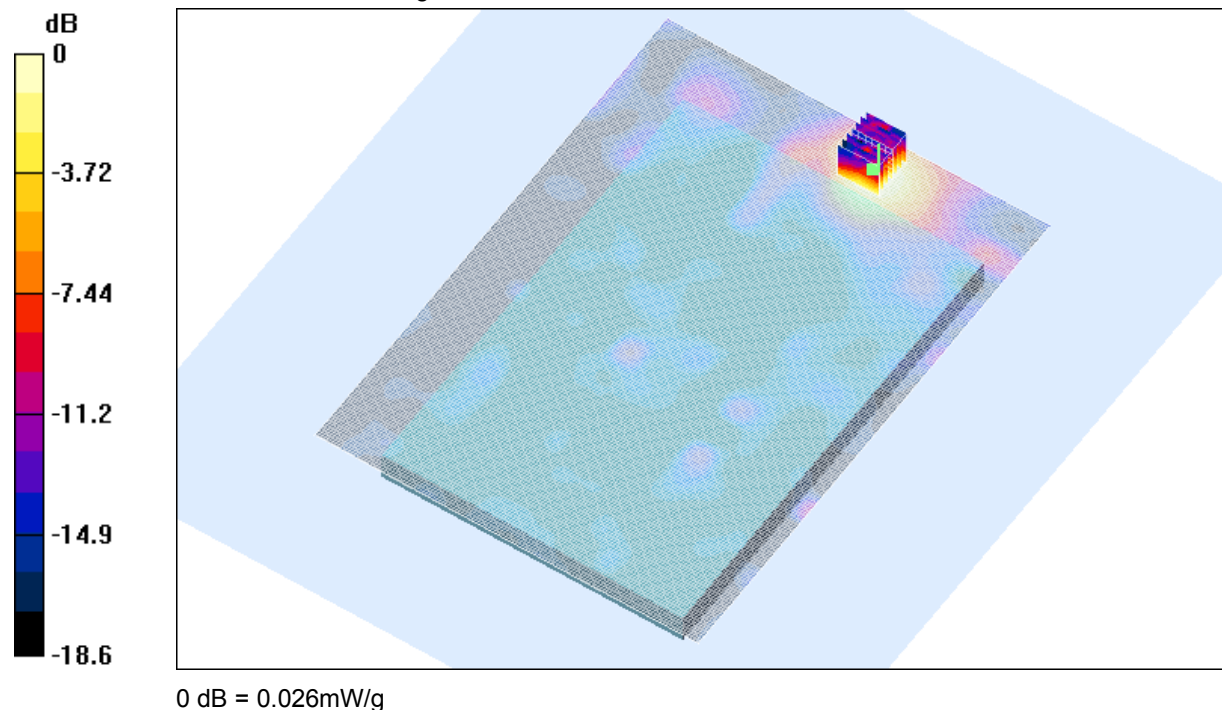
Peak SAR (extrapolated) = 0.072 W/kg

SAR(1 g) = 0.042 mW/g; SAR(10 g) = 0.024 mW/g

Reference Value = 3.41 V/m

Power Drift = 0.4 dB

Maximum value of SAR = 0.026 mW/g



SAR MEASUREMENT PLOT 6

Ambient Temperature

21.9 Degrees Celsius

Liquid Temperature

20.9 Degrees Celsius

Humidity

63 %