

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.

Table 16: 2450 MHz DSSS Band SAR Measurement Plot Numbers

Plot 1	*Lap Arm Held Position – CH#06 – Ant Main	Page 24
Plot 2	Lap Arm Held Position – CH#01 – Ant Main	Page 25
Plot 3	Lap Arm Held Position – CH#06 – Ant Main	Page 26
Plot 4	Lap Arm Held Position – CH#11 – Ant Main	Page 27
Plot 5	*Lap Arm Held Position – CH#06 – Ant Aux	Page 28
Z-Axis Graphs	Z-Axis graphs for Plots 2 to 4	Pages 29-31
Plot 6	*Tablet Position – CH#06 – Ant Aux	Page 32
Plot 7 *Prescan Only	*Tablet Position – CH#06 – Ant Main	Page 33

Table 17: 2450 MHz OFDM Band SAR Measurement Plot Numbers

Plot 8	Lap Arm Held Position – CH#06 – Ant Main	Page 34
Z-Axis Graphs	Z-Axis graphs for Plot 8	Page 35

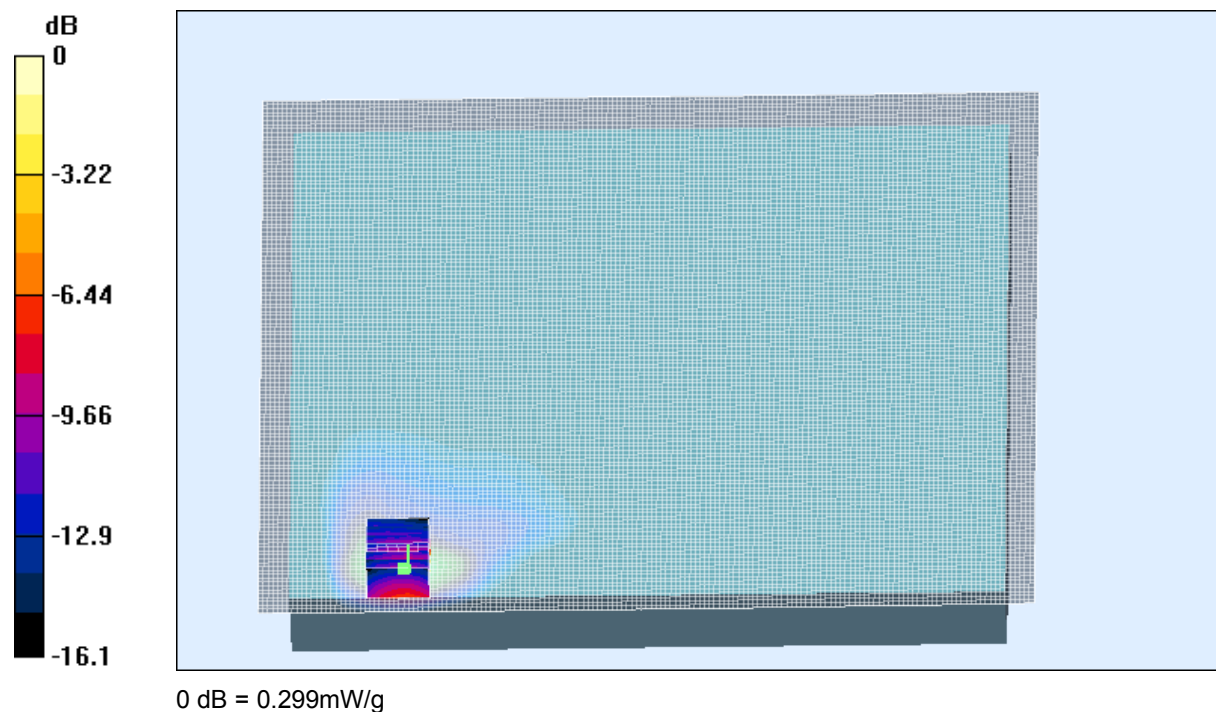
Table 18: 2450MHz Validation Plot

Plot 9	Validation 2450MHz 17 th February 2004	Page 36
Plot 10	Validation 2450MHz 18 th February 2004	Page 37
Plot 11	Validation 2450MHz 3 rd March 2004	Page 38
Z-Axis Graphs	Z-Axis graphs for Plots 9 to 11	Pages 39-40

Test Date: 17 February 2004

File Name: [Arm Held DSSS 2.45 GHz Mace 2 Calexico 11bg Antenna MAIN Prescan 17-02-04.da4](#)

DUT: Fujitsu Tablet MACE/MACE2 with Calexico 11bg Module; Type: WM3B2200BG; Serial: 00561E463ADC55373203



SAR MEASUREMENT PLOT 1

Ambient Temperature
Liquid Temperature
Humidity

21.7 Degrees Celsius
20.1 Degrees Celsius
61 %

Test Date: 03 March 2004

File Name: [Arm Held DSSS 2.45 GHz Mace 2 Calexico 11bg Antenna MAIN 03-03-04 #2.da4](#)

DUT: Fujitsu Tablet MACE/MACE2 with Calexico 11bg Module; Type: WM3B2200BG; Serial: 00561E463ADC55373203

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

* Medium: Body 2450 MHz; ($\sigma = 1.91097$ mho/m, $\epsilon_r = 53.4145$, $\rho = 1000$ 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 (61x81x1): Measurement grid: dx=20mm, dy=20mm

Reference Value = 12.3 V/m

Power Drift = -0.2 dB

Maximum value of SAR = 0.268 mW/g

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

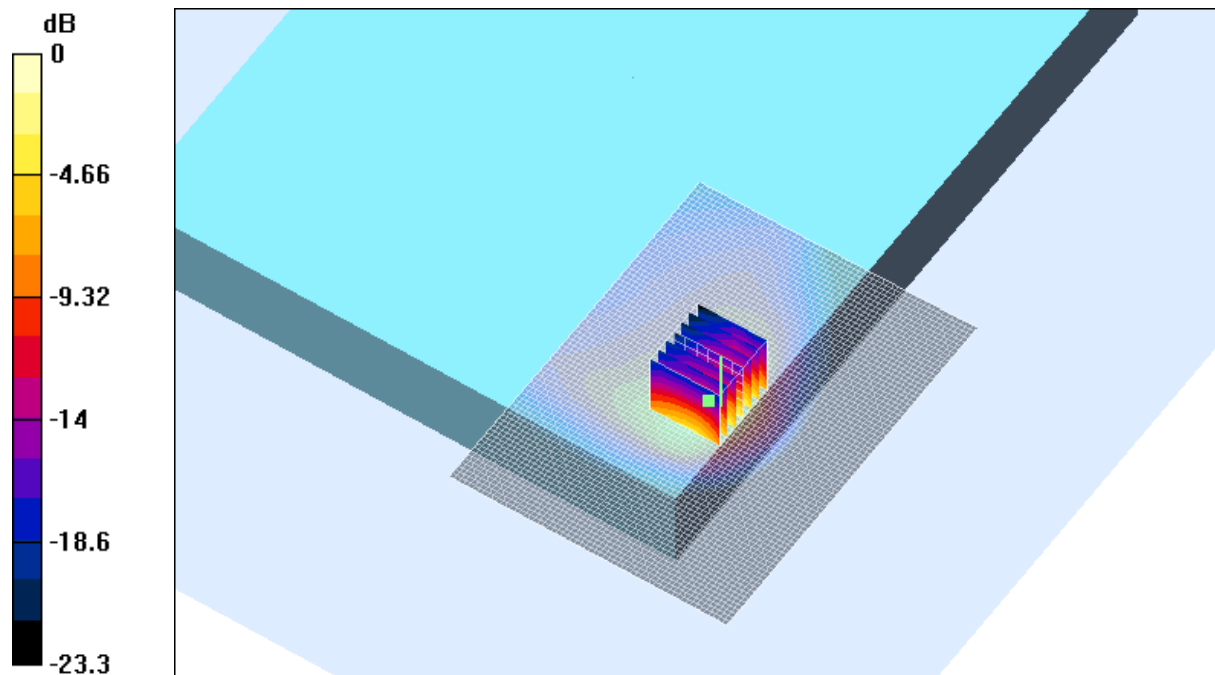
Peak SAR (extrapolated) = 0.661 W/kg

SAR(1 g) = 0.259 mW/g; SAR(10 g) = 0.110 mW/g

Reference Value = 12.3 V/m

Power Drift = -0.2 dB

Maximum value of SAR = 0.299 mW/g



0 dB = 0.299mW/g

SAR MEASUREMENT PLOT 2

Ambient Temperature
Liquid Temperature
Humidity

21.5 Degrees Celsius
19.8 Degrees Celsius
63 %

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Test Date: 03 March 2004

File Name: [Arm Held DSSS 2.45 GHz Mace 2 Calexico 11bg Antenna MAIN 03-03-04 #2.da4](#)

DUT: Fujitsu Tablet MACE/MACE2 with Calexico 11bg Module; Type: WM3B2200BG; Serial: 00561E463ADC55373203

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

* Medium: Body 2450 MHz; ($\sigma = 1.96053$ mho/m, $\epsilon_r = 53.2821$, $\rho = 1000$ 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 (61x81x1): Measurement grid: dx=20mm, dy=20mm

Reference Value = 11 V/m

Power Drift = 0.1 dB

Maximum value of SAR = 0.207 mW/g

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

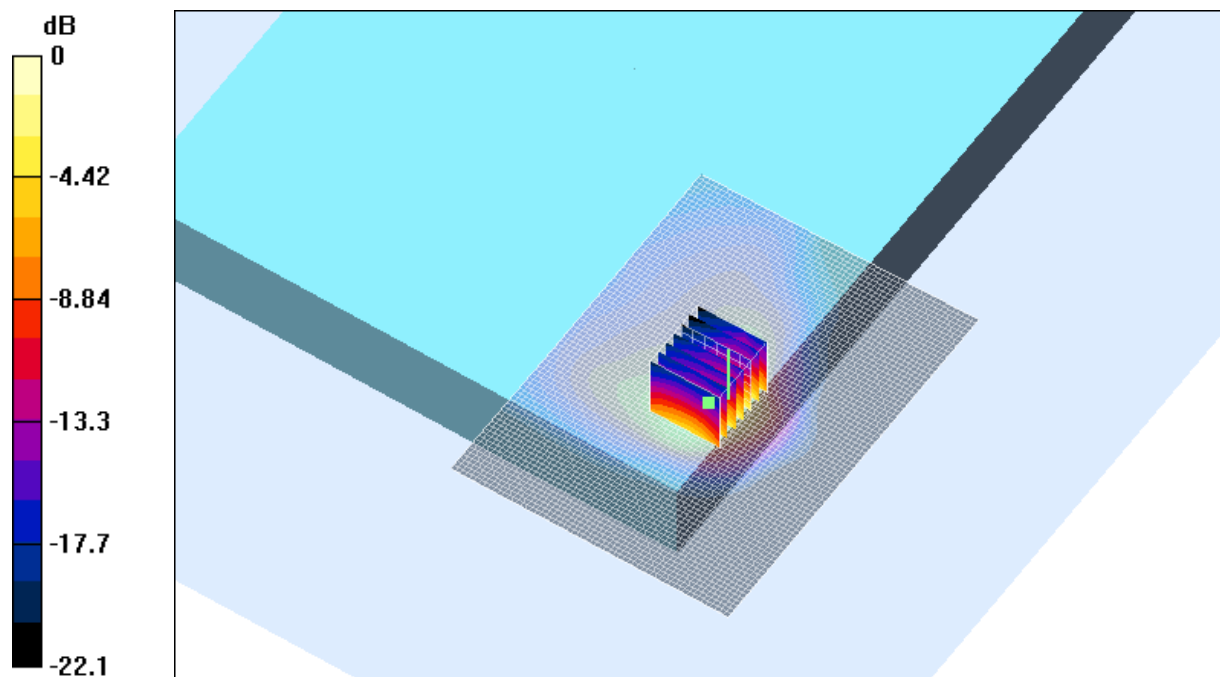
Peak SAR (extrapolated) = 0.662 W/kg

SAR(1 g) = 0.261 mW/g; SAR(10 g) = 0.110 mW/g

Reference Value = 11 V/m

Power Drift = 0.1 dB

Maximum value of SAR = 0.292 mW/g



0 dB = 0.292mW/g

SAR MEASUREMENT PLOT 3

Ambient Temperature
Liquid Temperature
Humidity

21.5 Degrees Celsius
19.8 Degrees Celsius
63 %

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Test Date: 03 March 2004

File Name: [Arm Held DSSS 2.45 GHz Mace 2 Calexico 11bg Antenna MAIN 03-03-04 #2.da4](#)

DUT: Fujitsu Tablet MACE/MACE2 with Calexico 11bg Module; Type: WM3B2200BG; Serial: 00561E463ADC55373203

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

* Medium: Body 2450 MHz; ($\sigma = 2.00294$ mho/m, $\epsilon_r = 53.1059$, $\rho = 1000$ 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 (61x81x1): Measurement grid: dx=20mm, dy=20mm

Reference Value = 12.3 V/m

Power Drift = 0.5 dB

Maximum value of SAR = 0.261 mW/g

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

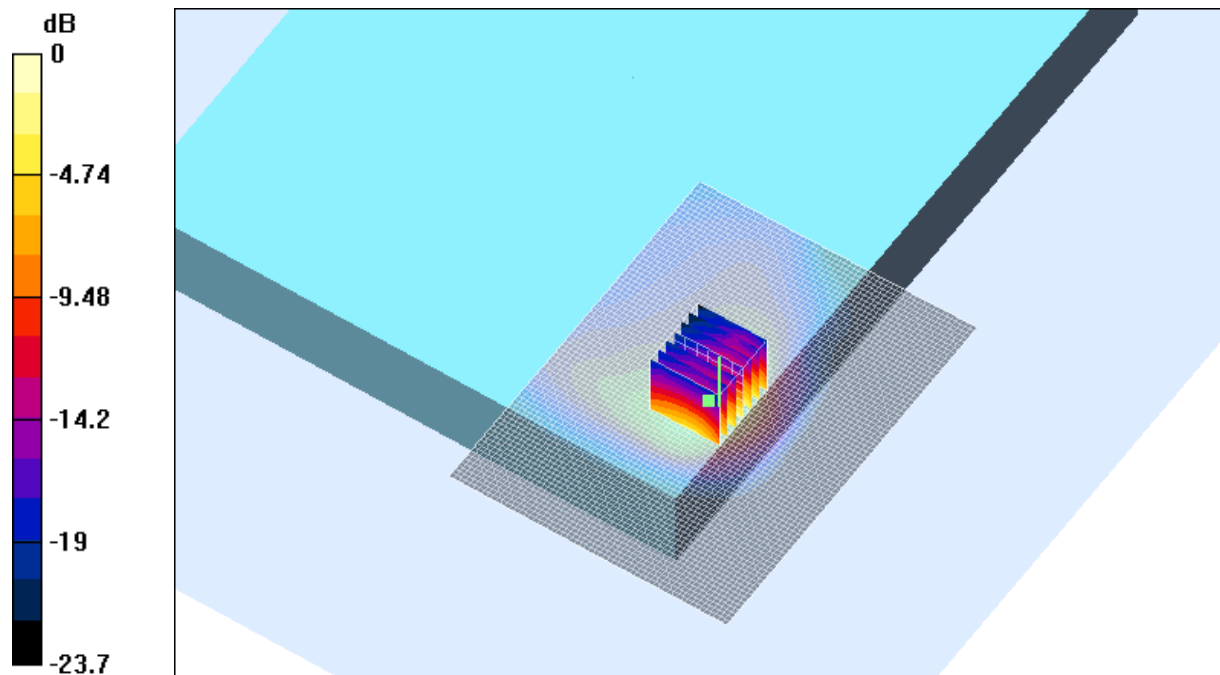
Peak SAR (extrapolated) = 0.681 W/kg

SAR(1 g) = 0.262 mW/g; SAR(10 g) = 0.109 mW/g

Reference Value = 12.3 V/m

Power Drift = 0.5 dB

Maximum value of SAR = 0.294 mW/g



0 dB = 0.294mW/g

SAR MEASUREMENT PLOT 4

Ambient Temperature
Liquid Temperature
Humidity

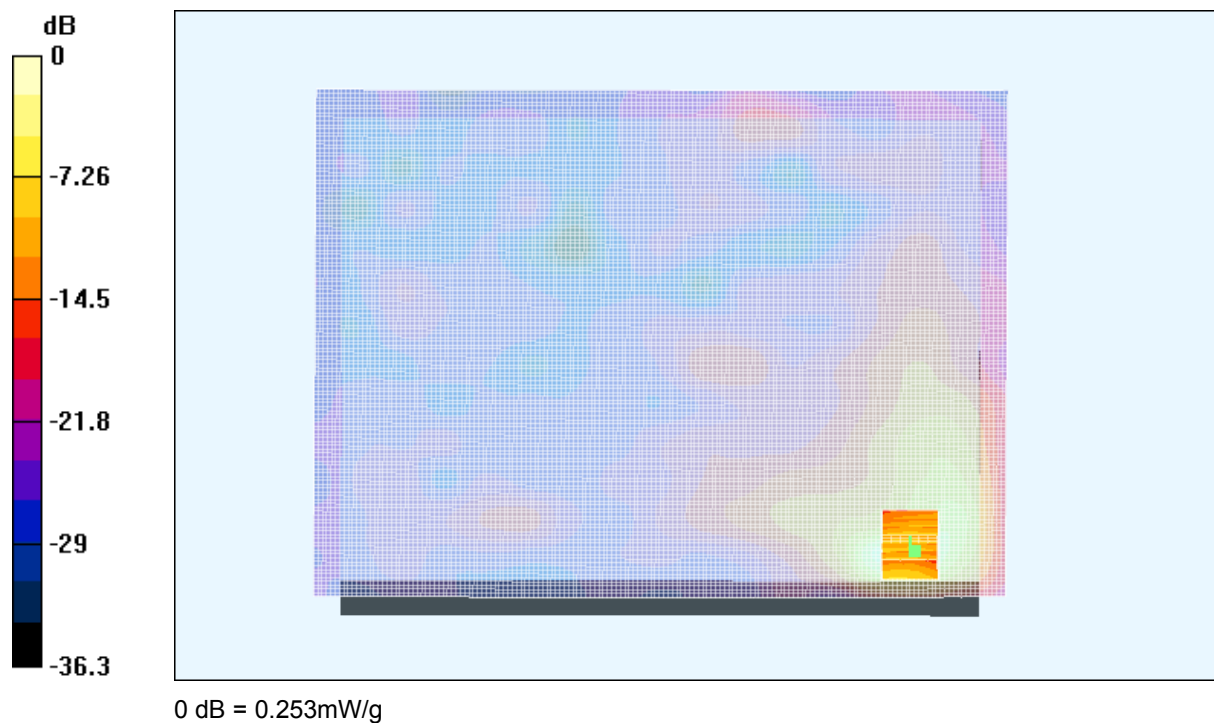
21.5 Degrees Celsius
19.8 Degrees Celsius
63 %

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Test Date: 17 February 2004

File Name: [Arm Held DSSS 2.45 GHz Mace 2 Calexico 11bg Antenna AUX Prescan 17-02-04.da4](#)

DUT: Fujitsu Tablet MACE/MACE2 with Calexico 11bg Module; Type: WM3B2200BG; Serial: 00561E463ADC55373203

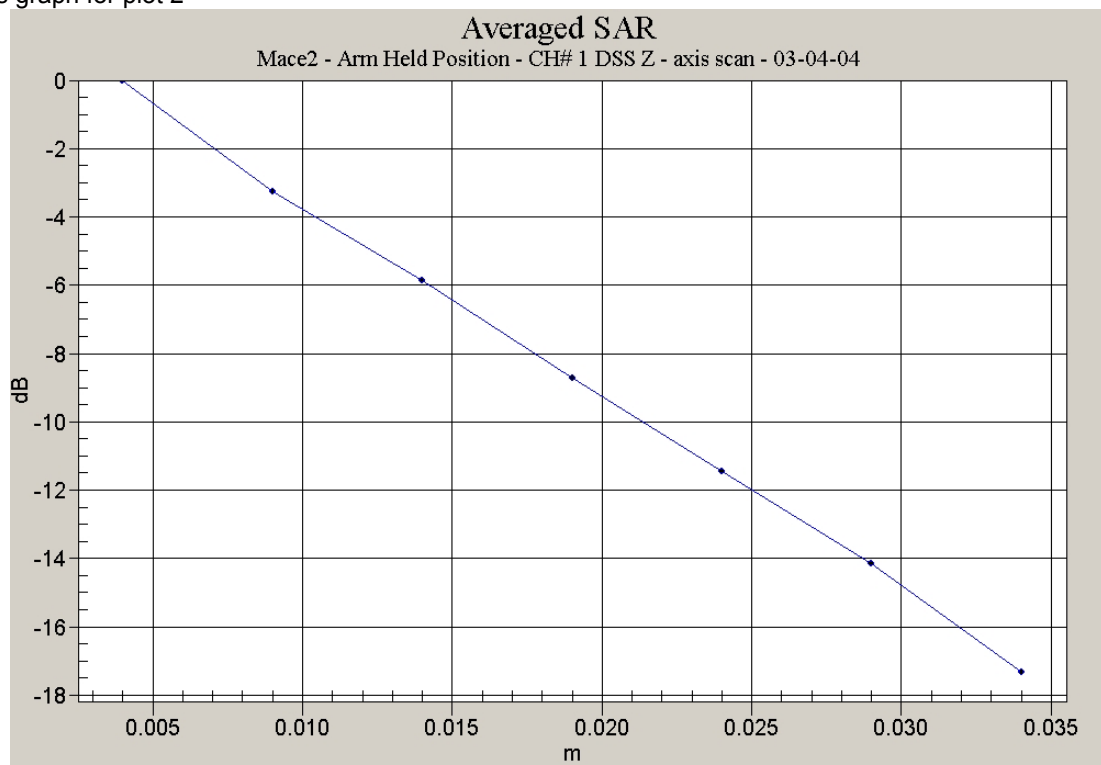


SAR MEASUREMENT PLOT 5

Ambient Temperature
Liquid Temperature
Humidity

21.7 Degrees Celsius
20.1 Degrees Celsius
61 %

Z-axis graph for plot 2



Z-axis graph for plot 3

