

Test Date: 27 January 2004

File Name: [Tablet DSSS 2.45 Ghz Antenna MAIN 27-01-04.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; ($\sigma = 1.9211$ mho/m, $\epsilon_r = 51.1897$, $\rho = 1000$ 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 = 4.54 V/m

Power Drift = -0.2 dB

Maximum value of SAR = 0.208 mW/g

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

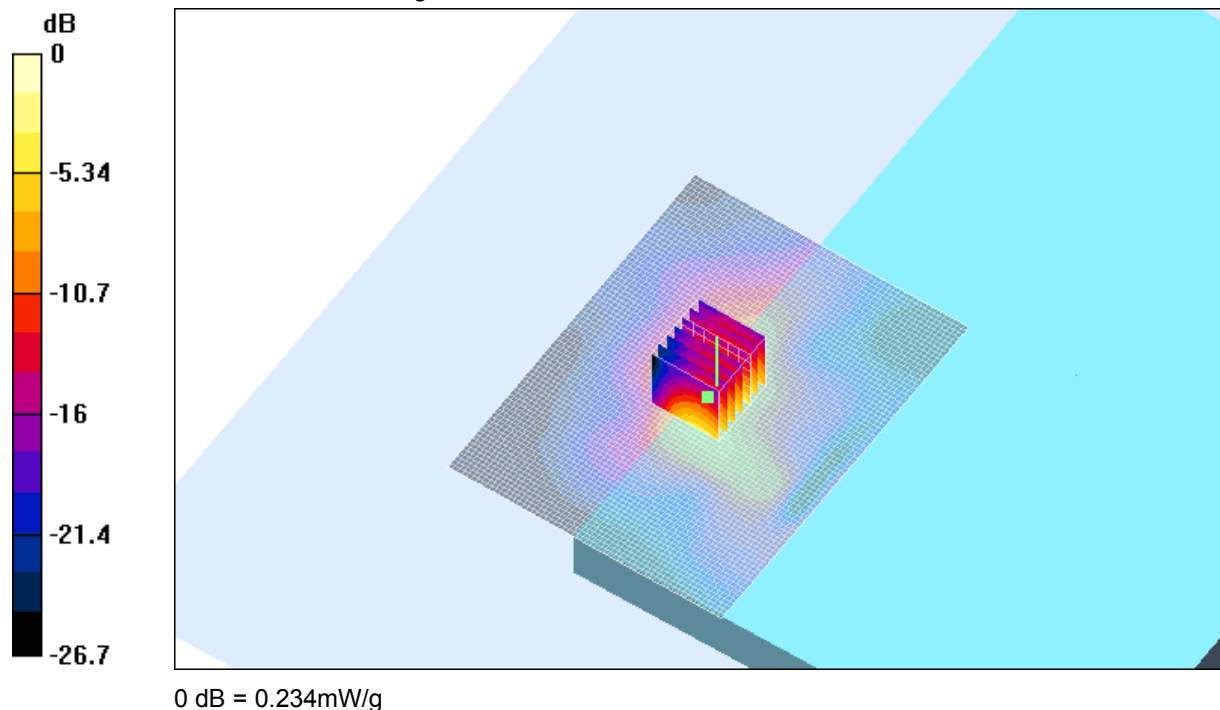
Peak SAR (extrapolated) = 0.736 W/kg

SAR(1 g) = 0.386 mW/g; SAR(10 g) = 0.171 mW/g

Reference Value = 4.54 V/m

Power Drift = -0.2 dB

Maximum value of SAR = 0.234 mW/g



SAR MEASUREMENT PLOT 7

Ambient Temperature

21.9 Degrees Celsius

Liquid Temperature

20.9 Degrees Celsius

Humidity

63 %

Test Date: 27 January 2004

File Name: [Tablet 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 = 4.26 V/m

Power Drift = -0.5 dB

Maximum value of SAR = 0.213 mW/g

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

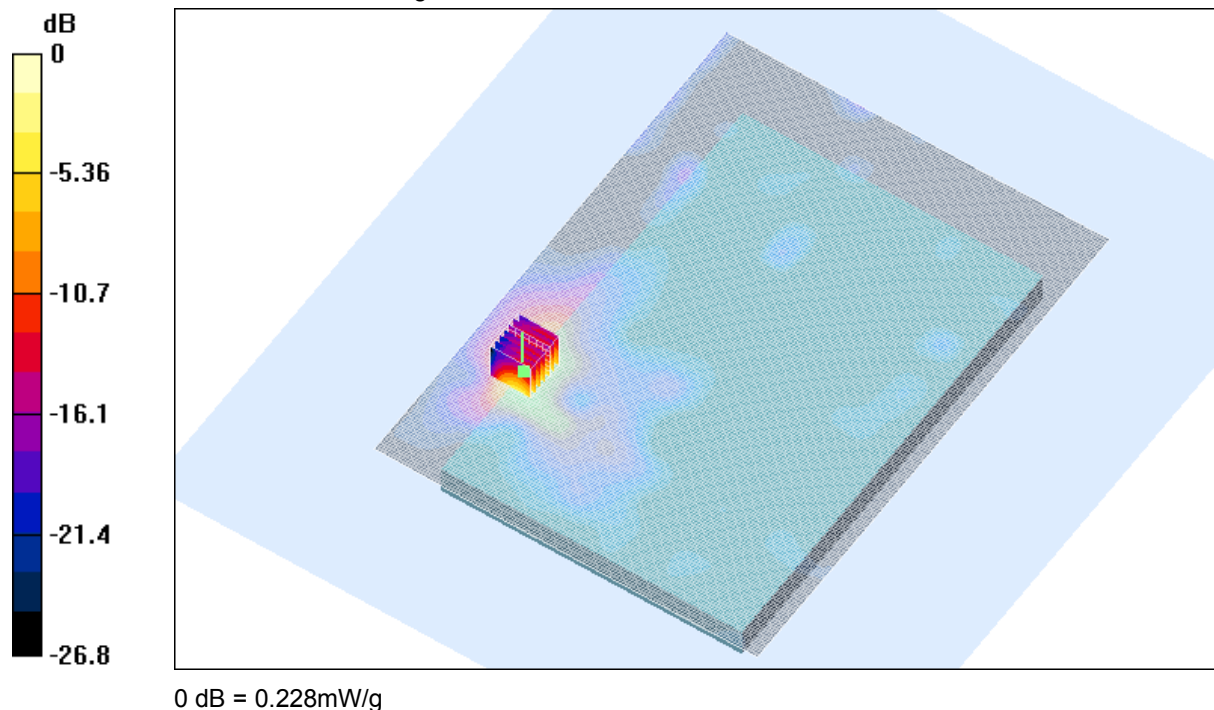
Peak SAR (extrapolated) = 0.815 W/kg

SAR(1 g) = 0.403 mW/g; SAR(10 g) = 0.179 mW/g

Reference Value = 4.26 V/m

Power Drift = -0.5 dB

Maximum value of SAR = 0.228 mW/g



SAR MEASUREMENT PLOT 8

Ambient Temperature

21.9 Degrees Celsius

Liquid Temperature

20.9 Degrees Celsius

Humidity

63 %

Test Date: 27 January 2004

File Name: [Tablet DSSS 2.45 Ghz Antenna MAIN 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 (81x61x1): Measurement grid: dx=20mm, dy=20mm

Reference Value = 4.36 V/m

Power Drift = -0.1 dB

Maximum value of SAR = 0.224 mW/g

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

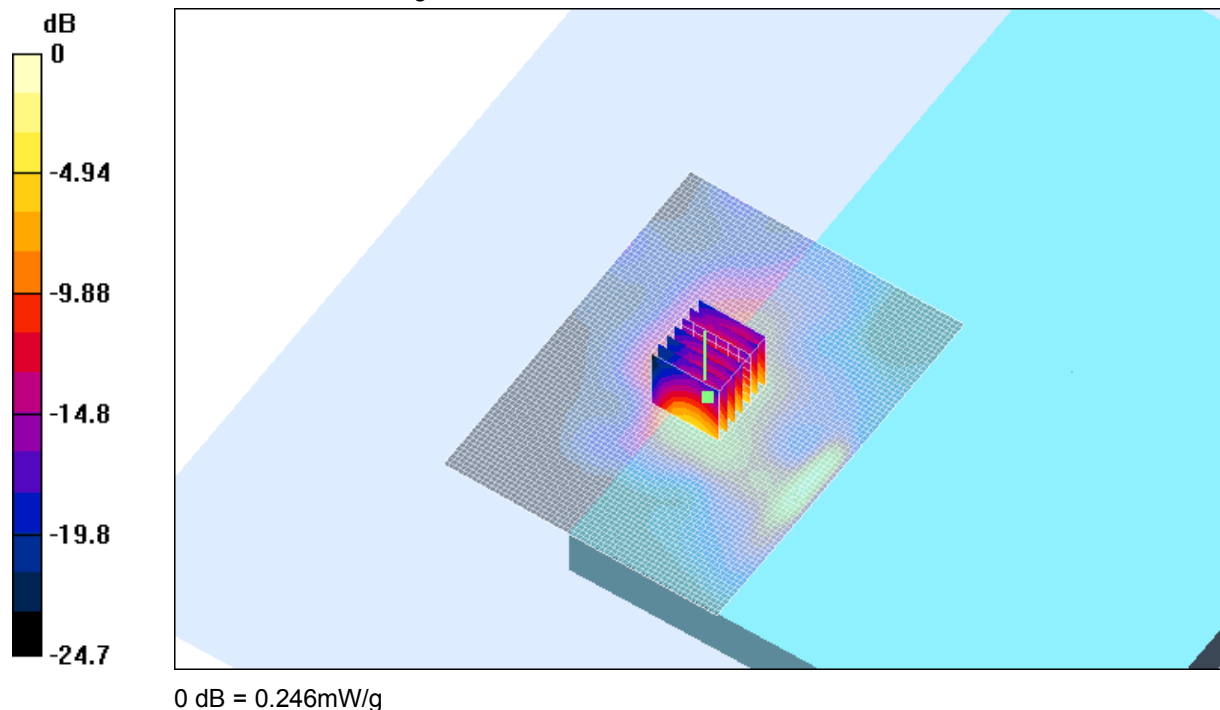
Peak SAR (extrapolated) = 0.866 W/kg

SAR(1 g) = 0.418 mW/g; SAR(10 g) = 0.182 mW/g

Reference Value = 4.36 V/m

Power Drift = -0.1 dB

Maximum value of SAR = 0.246 mW/g



SAR MEASUREMENT PLOT 9

Ambient Temperature

21.9 Degrees Celsius

Liquid Temperature

20.9 Degrees Celsius

Humidity

63 %

Test Date: 27 January 2004

File Name: [Tablet DSSS 2.45 Ghz Antenna MAIN 27-01-04.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; ($\sigma = 1.98901$ mho/m, $\epsilon_r = 50.9222$, $\rho = 1000$ 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 = 4.34 V/m

Power Drift = -0.2 dB

Maximum value of SAR = 0.242 mW/g

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

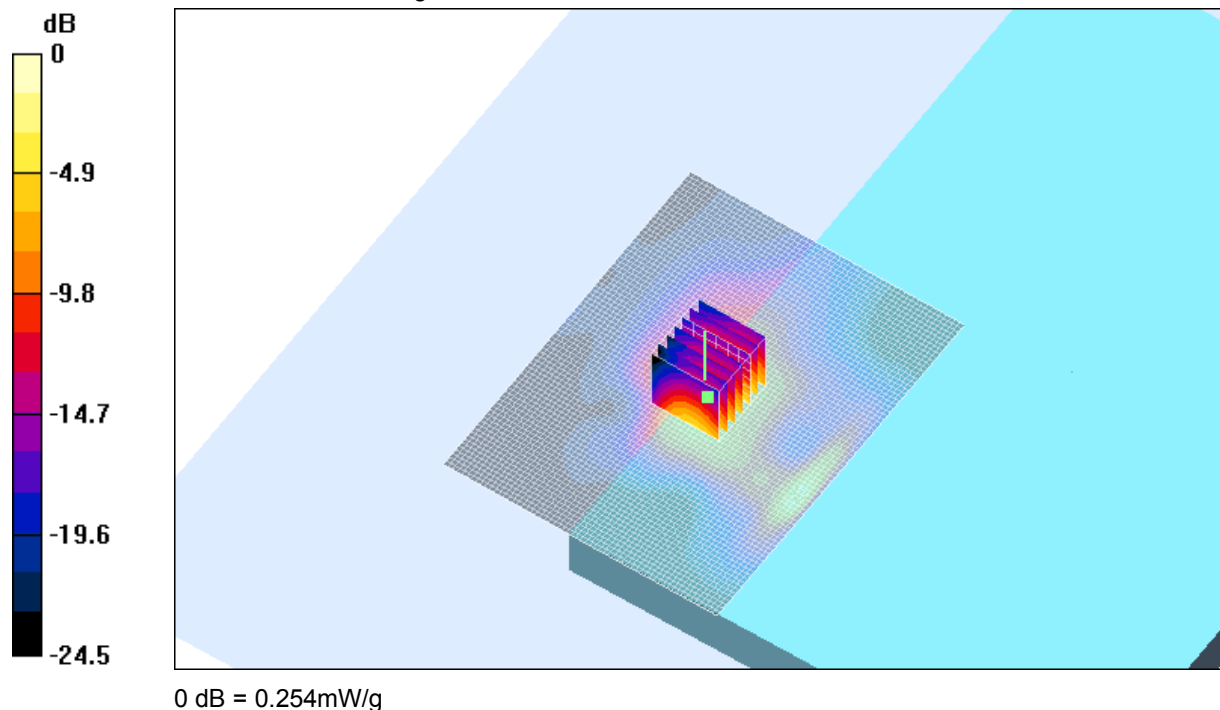
Peak SAR (extrapolated) = 0.912 W/kg

SAR(1 g) = 0.441 mW/g; SAR(10 g) = 0.192 mW/g

Reference Value = 4.34 V/m

Power Drift = -0.2 dB

Maximum value of SAR = 0.254 mW/g



SAR MEASUREMENT PLOT 10

Ambient Temperature

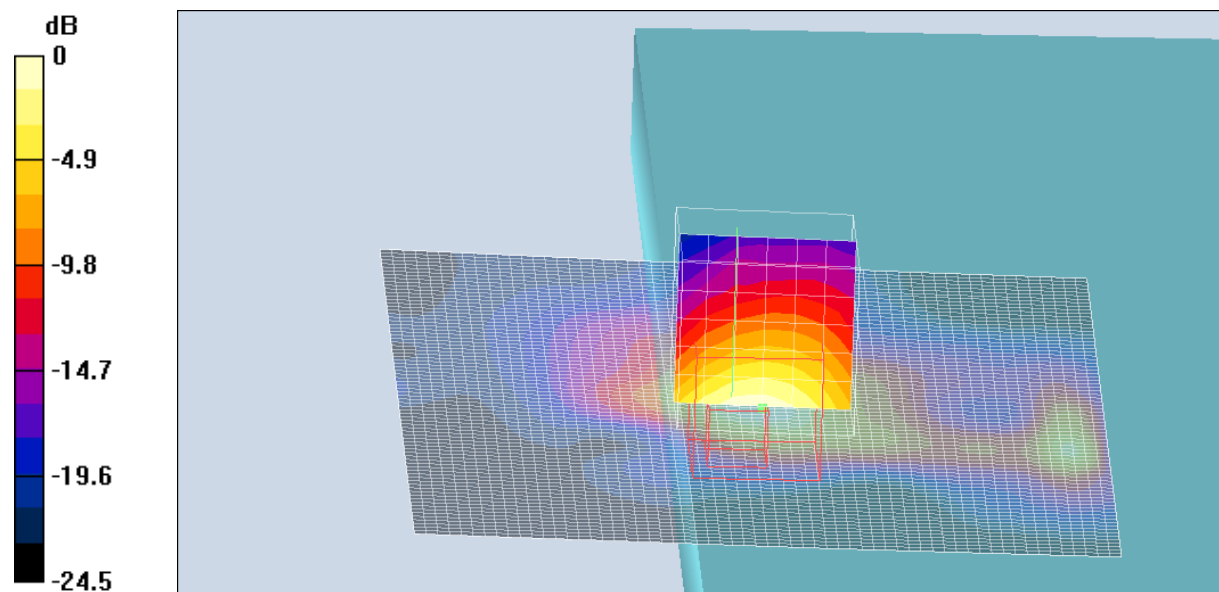
21.9 Degrees Celsius

Liquid Temperature

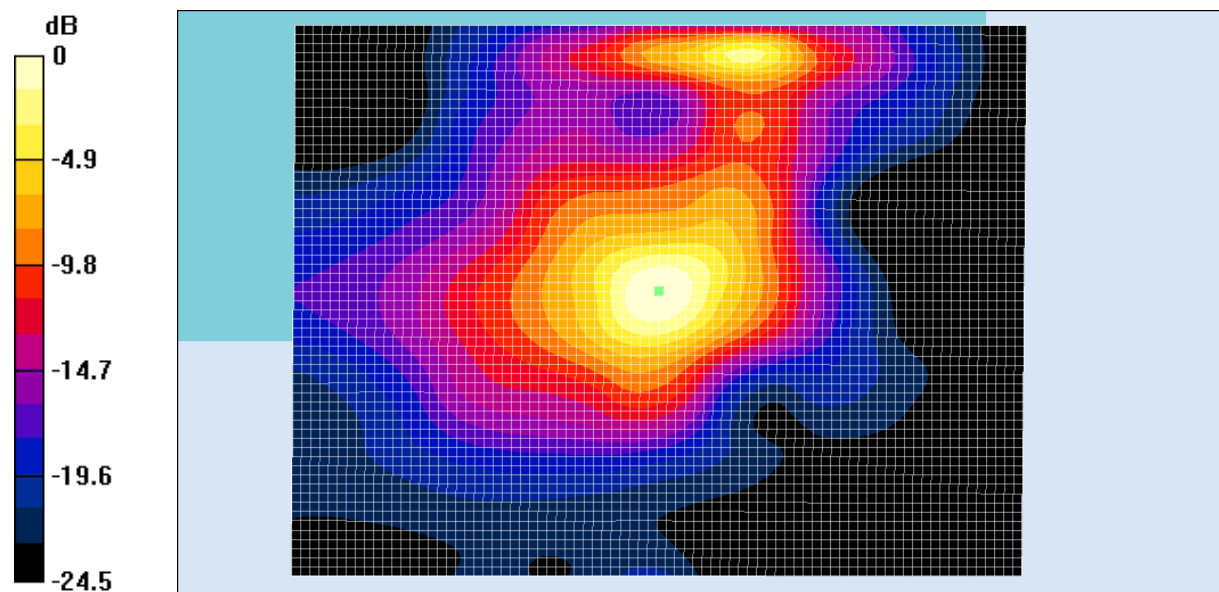
20.9 Degrees Celsius

Humidity

63 %

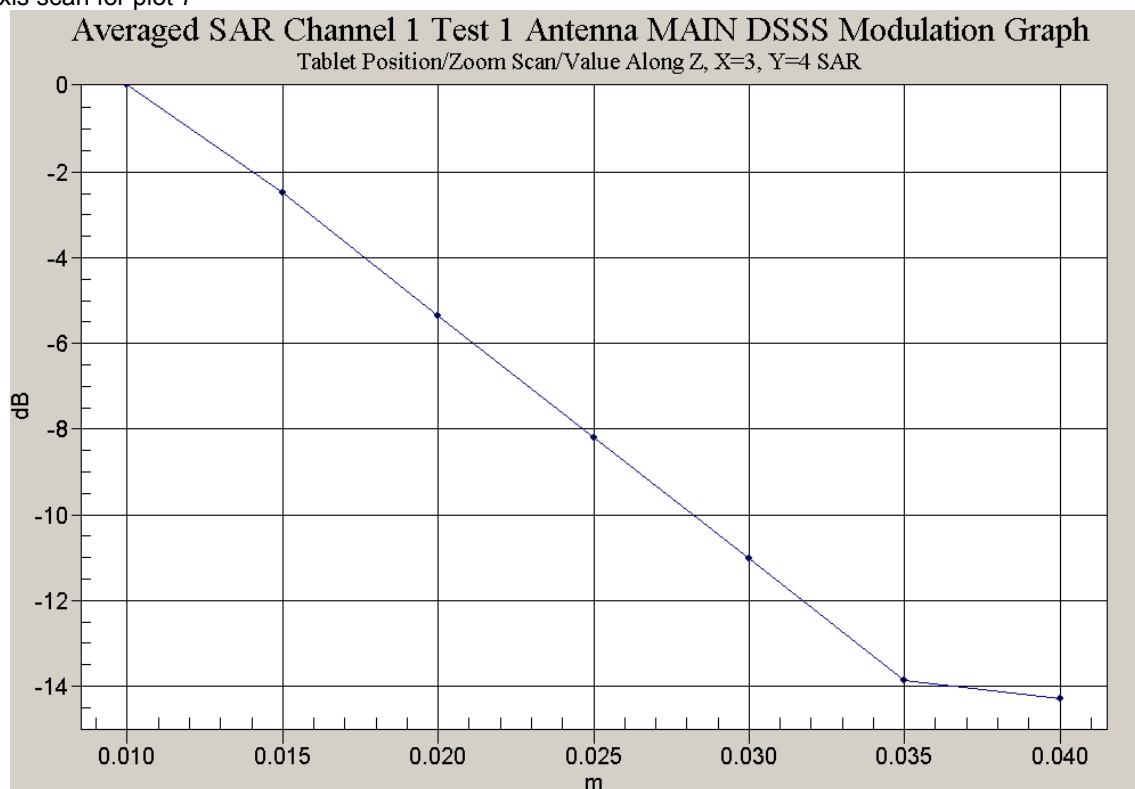


0 dB = 0.255mW/g

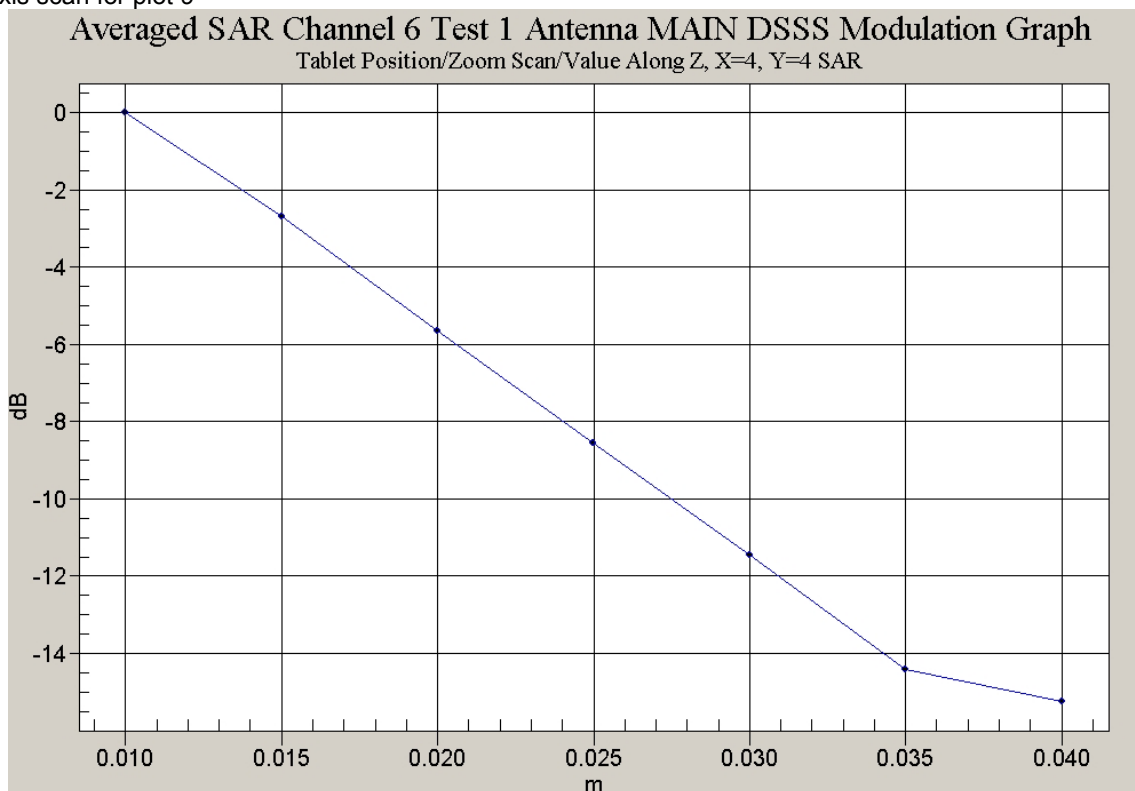


0 dB = 0.255mW/g

Z-axis scan for plot 7

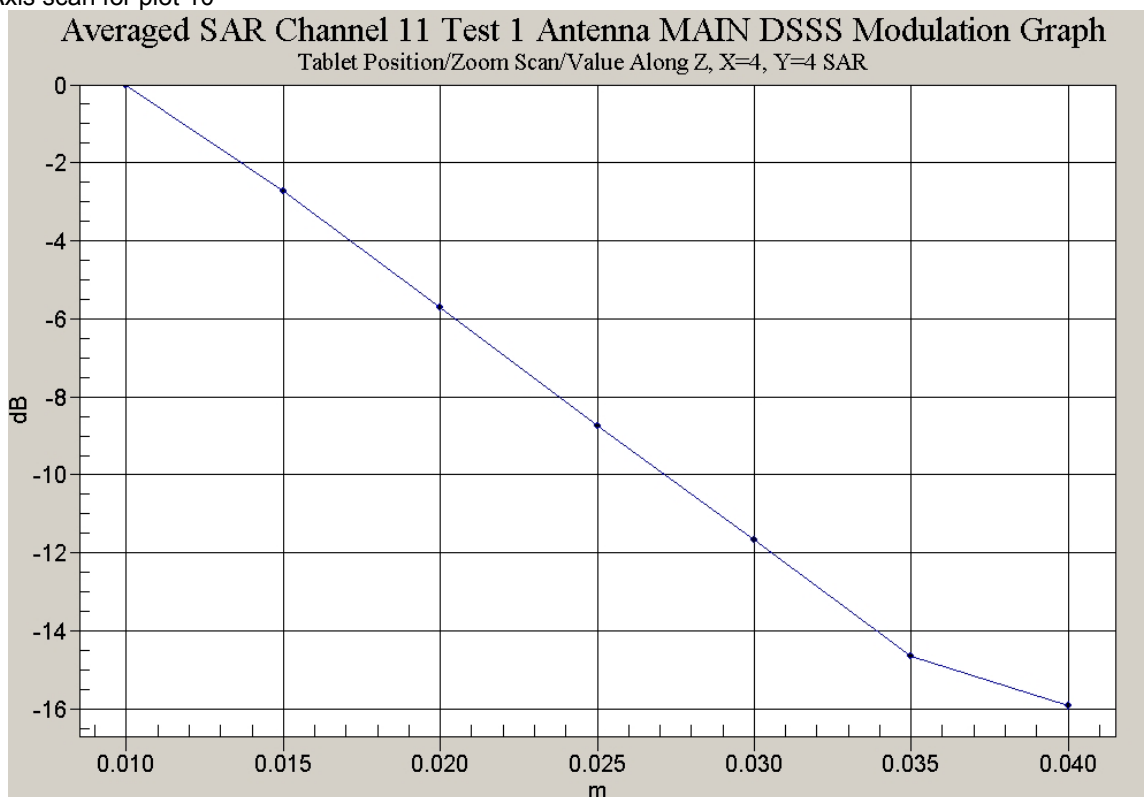


Z-axis scan for plot 9



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Z-Axis scan for plot 10



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Test Date: 23 January 2004

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

DUT: Fujitsu Tablet Ocampa2 with Calexico2 11bg Module; Type: WM3B2200BG; Serial: 005681463ADC55373103

* Communication System: OFDM 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 (81x61x1): Measurement grid: dx=20mm, dy=20mm

Reference Value = 6.75 V/m

Power Drift = -0.4 dB

Maximum value of SAR = 0.087 mW/g

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

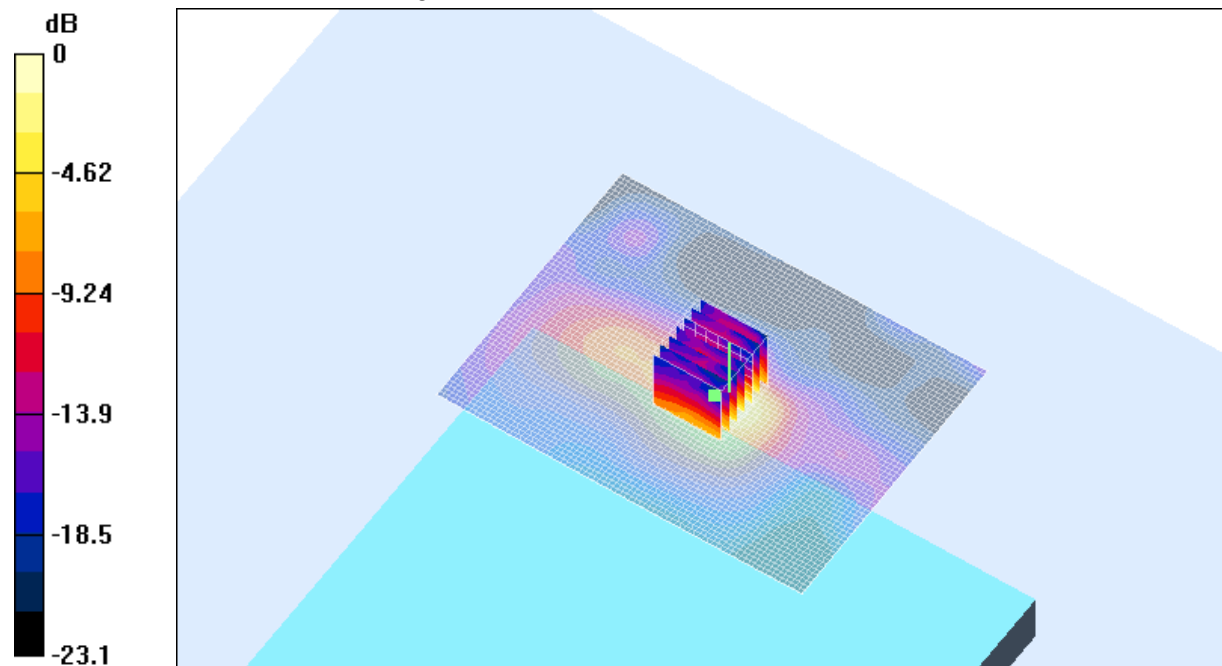
Peak SAR (extrapolated) = 0.537 W/kg

SAR(1 g) = 0.183 mW/g; SAR(10 g) = 0.072 mW/g

Reference Value = 6.75 V/m

Power Drift = -0.4 dB

Maximum value of SAR = 0.089 mW/g



SAR MEASUREMENT PLOT 11

Ambient Temperature
Liquid Temperature
Humidity

21.8 Degrees Celsius
20.9 Degrees Celsius
45 %

Test Date: 27 January 2004

File Name: [Tablet OFDM 2.45 Ghz Antenna MAIN 27-01-04.da4](#)

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

* Communication System: OFDM 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 (81x61x1): Measurement grid: dx=20mm, dy=20mm

Reference Value = 2.7 V/m

Power Drift = -0.3 dB

Maximum value of SAR = 0.075 mW/g

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

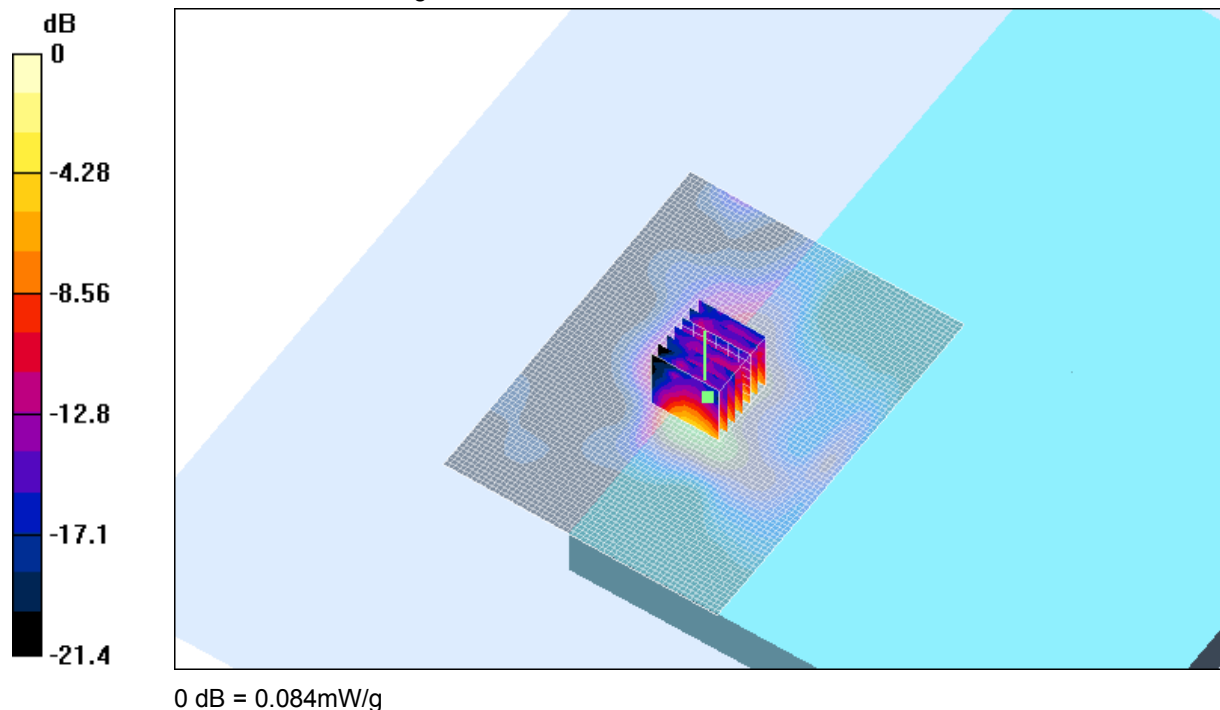
Peak SAR (extrapolated) = 0.355 W/kg

SAR(1 g) = 0.140 mW/g; SAR(10 g) = 0.061 mW/g

Reference Value = 2.7 V/m

Power Drift = -0.3 dB

Maximum value of SAR = 0.084 mW/g



SAR MEASUREMENT PLOT 12

Ambient Temperature

21.9 Degrees Celsius

Liquid Temperature

20.9 Degrees Celsius

Humidity

63 %

Test Date: 23 January 2004

File Name: [Validation 2450 MHz \(DAE442 Probe1380\) 23-01-04.da4](#)

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

* Communication System: CW 2450 MHz; Frequency: 2450 MHz; Duty Cycle: 1:1

* Medium: Head 2450 MHz; ($\sigma = 1.80713$ mho/m, $\epsilon_r = 39.7782$, $\rho = 1000$ kg/m³)

- Electronics: DAE3 Sn442; Probe: ET3DV6 - SN1380; ConvF(4.8, 4.8, 4.8)

- Phantom: SAM 12; Serial: 1060; Phantom section: Flat Section

Channel 1 Test/Area Scan (61x61x1): Measurement grid: dx=15mm, dy=15mm

Reference Value = 97.4 V/m

Power Drift = 0.0 dB

Maximum value of SAR = 14.7 mW/g

Channel 1 Test/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

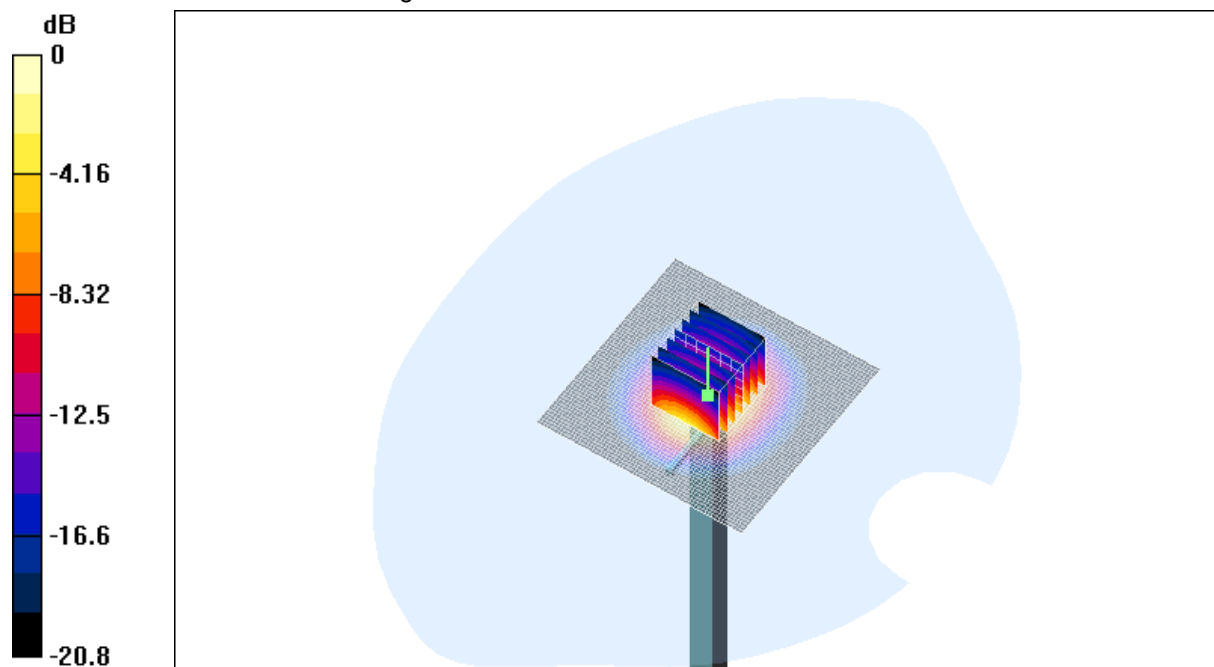
Peak SAR (extrapolated) = 26.6 W/kg

SAR(1 g) = 12.9 mW/g; SAR(10 g) = 6.12 mW/g

Reference Value = 97.4 V/m

Power Drift = 0.0 dB

Maximum value of SAR = 14.7 mW/g



SAR MEASUREMENT PLOT 13

Ambient Temperature
Liquid Temperature
Humidity

21.8 Degrees Celsius
20.9 Degrees Celsius
45 %

Test Date: 27 January 2004

File Name: [Validation 2450 MHz \(DAE442 Probe1380\) 27-01-04.da4](#)

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

* Communication System: CW 2450 MHz; Frequency: 2450 MHz; Duty Cycle: 1:1

* Medium: Head 2450 MHz; ($\sigma = 1.82212$ mho/m, $\epsilon_r = 39.7555$, $\rho = 1000$ kg/m³)

- Electronics: DAE3 Sn442; Probe: ET3DV6 - SN1380; ConvF(4.8, 4.8, 4.8)

- Phantom: SAM 12; Serial: 1060; Phantom section: Flat Section

Channel 1 Test/Area Scan (61x61x1): Measurement grid: dx=15mm, dy=15mm

Reference Value = 96.7 V/m

Power Drift = 0.004 dB

Maximum value of SAR = 15.1 mW/g

Channel 1 Test/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

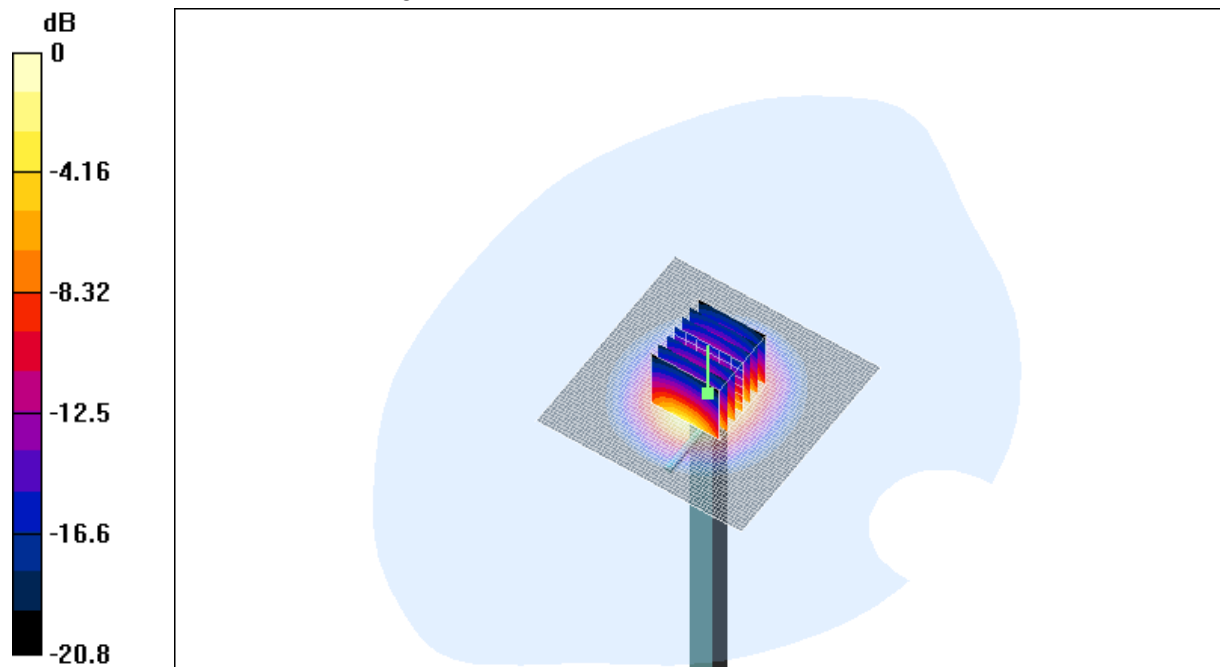
Peak SAR (extrapolated) = 26.8 W/kg

SAR(1 g) = 13 mW/g; SAR(10 g) = 6.18 mW/g

Reference Value = 96.7 V/m

Power Drift = 0.004 dB

Maximum value of SAR = 14.8 mW/g



0 dB = 14.8mW/g

SAR MEASUREMENT PLOT 14

Ambient Temperature
Liquid Temperature
Humidity

21.9 Degrees Celsius
20.9 Degrees Celsius
63 %

Test Date: 28 January 2004

File Name: [Validation 2450 MHz \(DAE442 Probe1380\) 28-01-04.da4](#)

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

* Communication System: CW 2450 MHz; Frequency: 2450 MHz; Duty Cycle: 1:1

* Medium: Head 2450 MHz; ($\sigma = 1.82819$ mho/m, $\epsilon_r = 39.535$, $\rho = 1000$ kg/m³)

- Electronics: DAE3 Sn442; Probe: ET3DV6 - SN1380; ConvF(4.8, 4.8, 4.8)

- Phantom: SAM 12; Serial: 1060; Phantom section: Flat Section

Channel 1 Test/Area Scan (61x61x1): Measurement grid: dx=15mm, dy=15mm

Reference Value = 96.7 V/m

Power Drift = 0.1 dB

Maximum value of SAR = 14.5 mW/g

Channel 1 Test/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

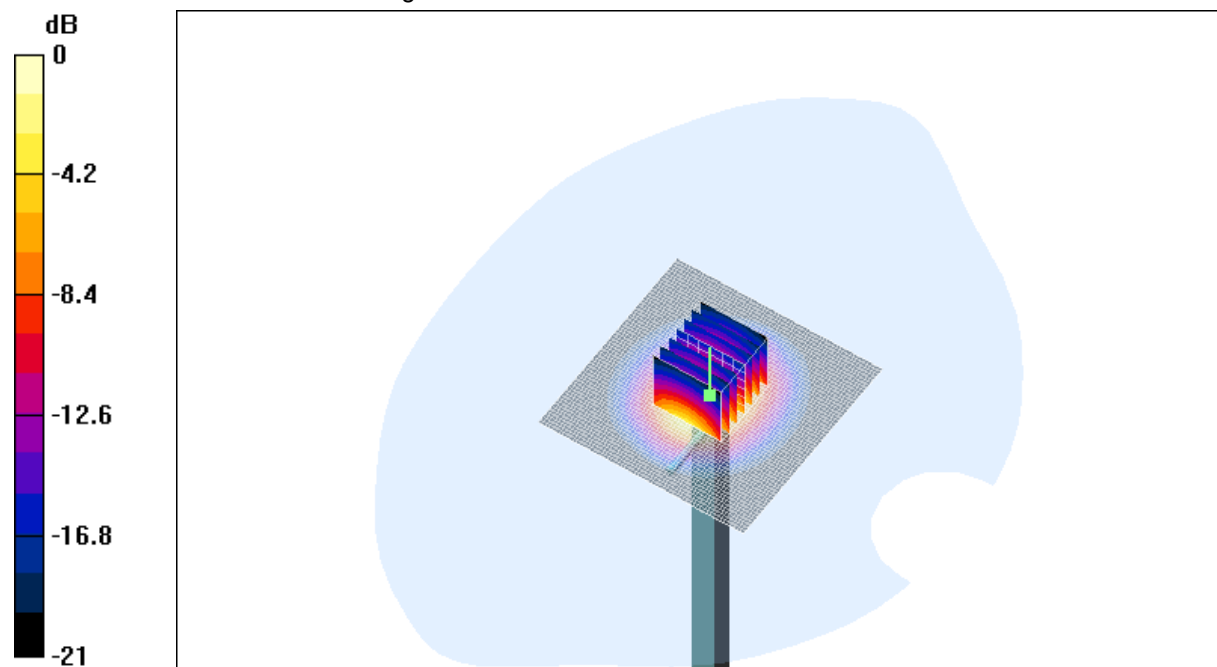
Peak SAR (extrapolated) = 26.5 W/kg

SAR(1 g) = 12.9 mW/g; SAR(10 g) = 6.1 mW/g

Reference Value = 96.7 V/m

Power Drift = 0.1 dB

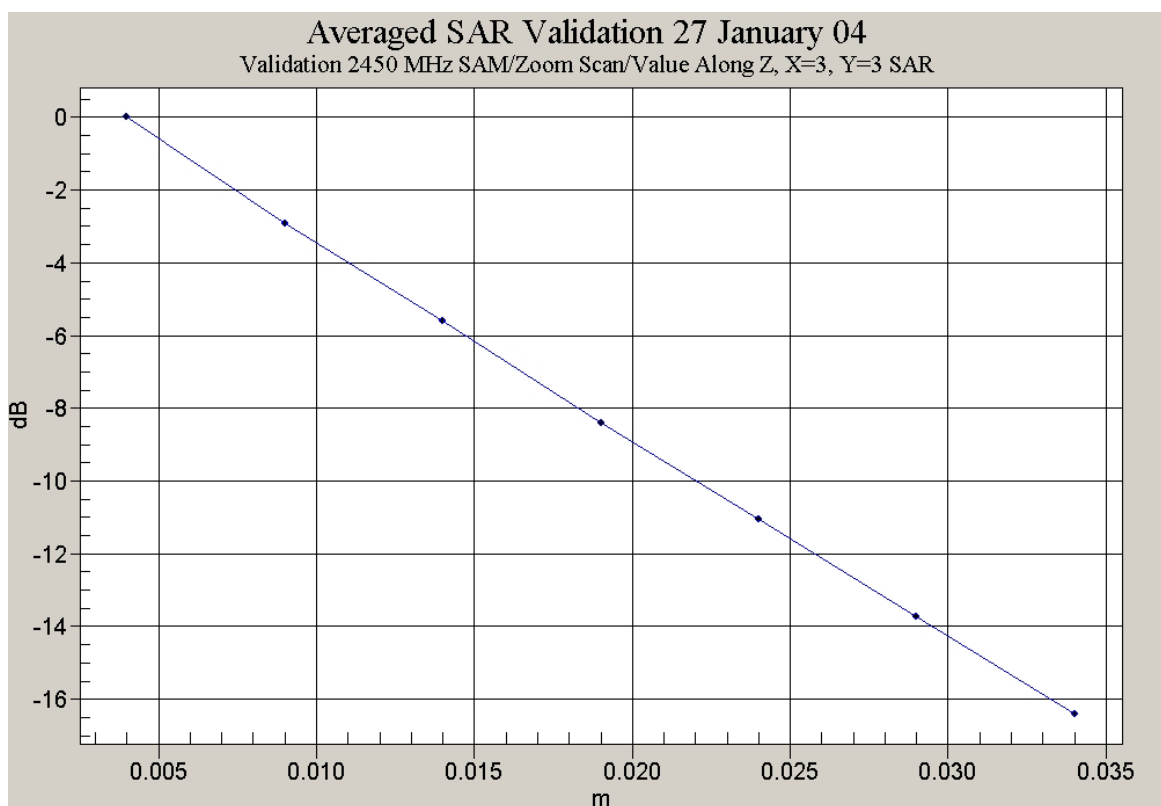
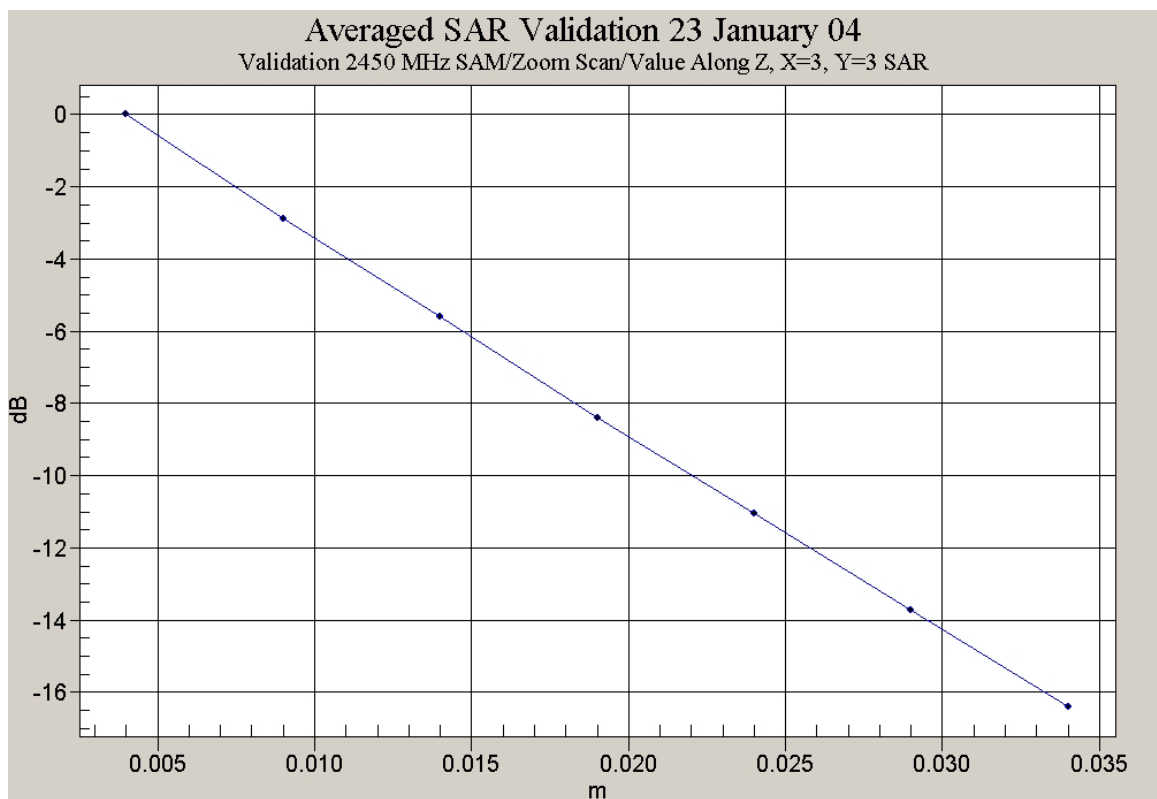
Maximum value of SAR = 14.7 mW/g



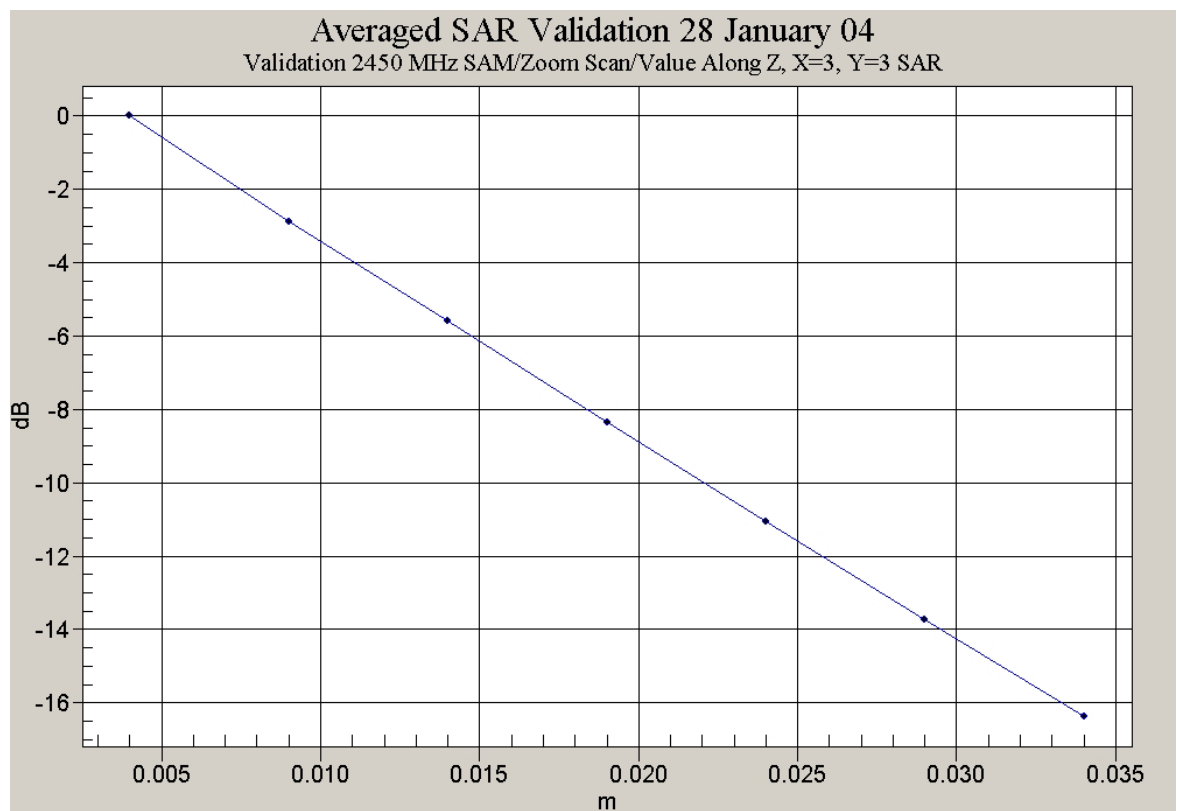
SAR MEASUREMENT PLOT 15

Ambient Temperature
Liquid Temperature
Humidity

21.0 Degrees Celsius
20.1 Degrees Celsius
51 %



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APPENDIX C

SAR TESTING EQUIPMENT CALIBRATION CERTIFICATE ATTACHMENTS

Calibration Certificate Attachments

- | | |
|--|---------|
| 1. 2450 MHz Dipole Calibration Sheet | 6 Pages |
| 2. E-Field Probe Calibration Sheet | 4 Pages |
| 3. Dielectric Properties of Flat phantom PL550 Phantom | 1 Page |