

Test Date: 6 March 2006

File Name: [Edge On DSSS 2450 MHz Versalius Antenna Aux Bluetooth Off 06-03-06.da4](#)

DUT: Fujitsu Tablet Versalius with Golan 11abg and Bluetooth; Type: WM3945ABG; Serial: 028CCF455CVD26533003

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

* Medium parameters used: $\sigma = 1.9081$ mho/m, $\epsilon_r = 52.2262$; $\rho = 1000$ kg/m³

- Electronics: DAE3 Sn442; Probe: ET3DV6 - SN1377; ConvF(3.99, 3.99, 3.99)

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

Channel 1 Test/Area Scan (81x101x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.459 mW/g

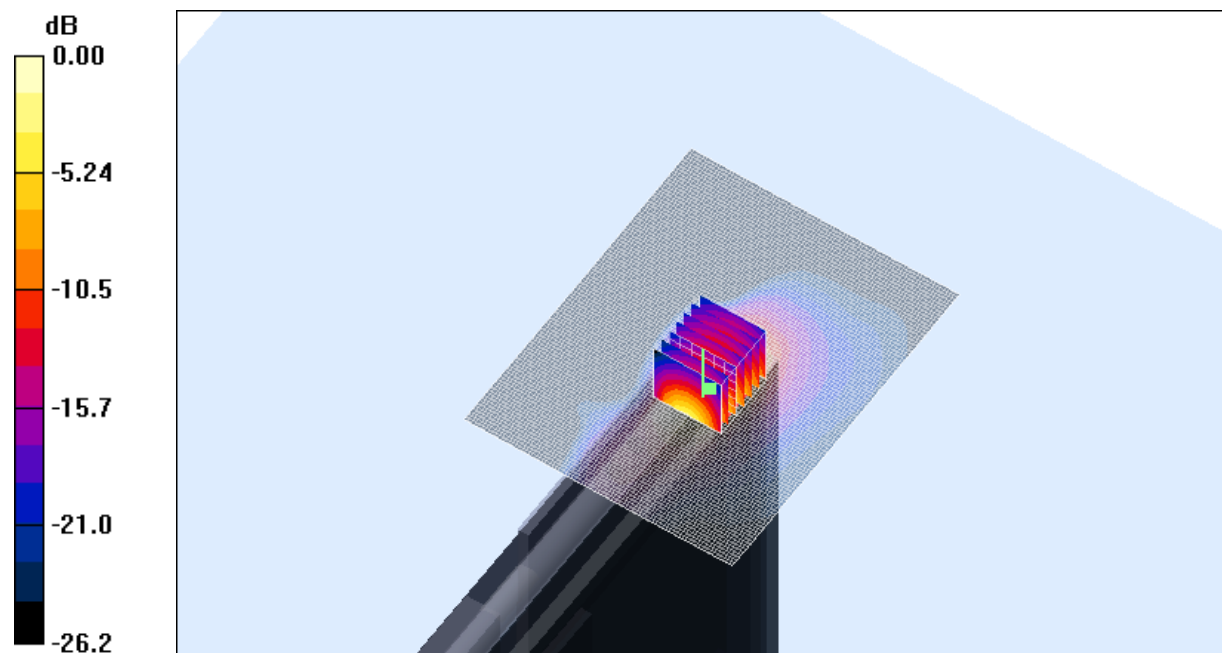
Channel 1 Test/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 10.8 V/m; Power Drift = 0.321 dB

Peak SAR (extrapolated) = 1.05 W/kg

SAR(1 g) = 0.479 mW/g; SAR(10 g) = 0.201 mW/g

Maximum value of SAR (measured) = 0.569 mW/g



0 dB = 0.569mW/g

SAR MEASUREMENT PLOT 12

Ambient Temperature
Liquid Temperature
Humidity

21.1 Degrees Celsius
20.7 Degrees Celsius
59.0 %

Test Date: 6 March 2006

File Name: [Edge On DSSS 2450 MHz Versalius Antenna Aux Bluetooth Off 06-03-06.da4](#)

DUT: Fujitsu Tablet Versalius with Golan 11abg and Bluetooth; Type: WM3945ABG; Serial: 028CCF455CVD26533003

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

* Medium parameters used: $\sigma = 1.94179$ mho/m, $\epsilon_r = 52.0941$; $\rho = 1000$ kg/m³

- Electronics: DAE3 Sn442; Probe: ET3DV6 - SN1377; ConvF(3.99, 3.99, 3.99)

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

Channel 6 Test/Area Scan (81x101x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 1.07 mW/g

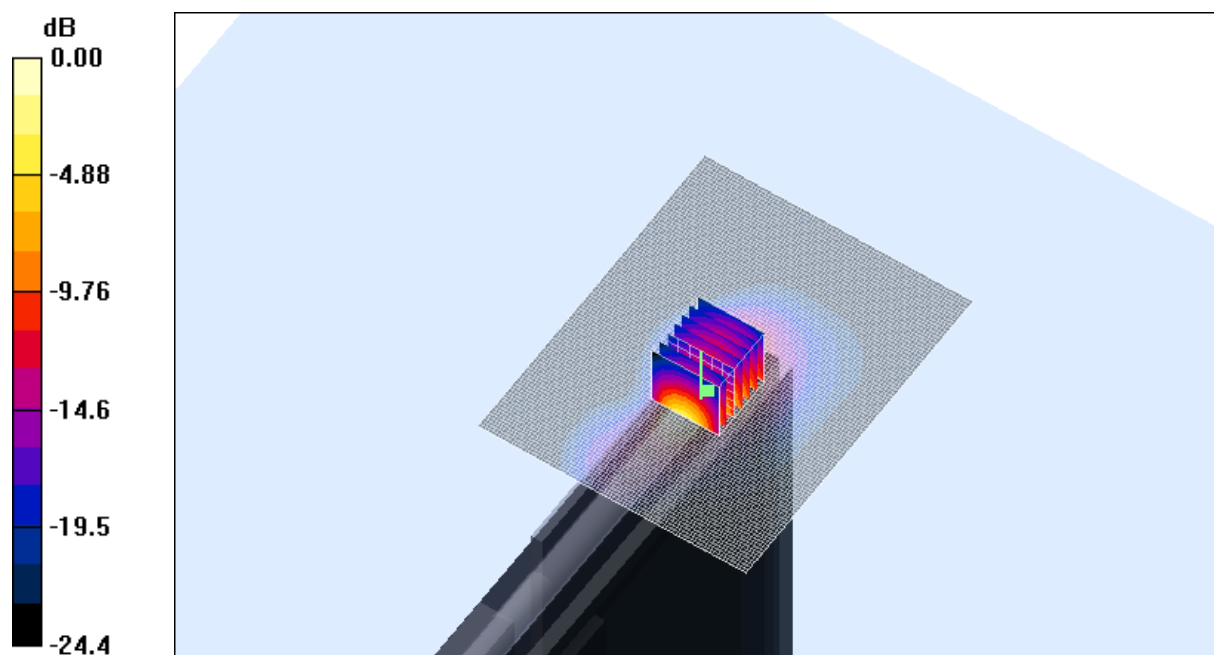
Channel 6 Test/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 22.0 V/m; Power Drift = -0.085 dB

Peak SAR (extrapolated) = 2.01 W/kg

SAR(1 g) = 0.886 mW/g; SAR(10 g) = 0.366 mW/g

Maximum value of SAR (measured) = 1.06 mW/g



SAR MEASUREMENT PLOT 13

Ambient Temperature
Liquid Temperature
Humidity

21.1 Degrees Celsius
20.7 Degrees Celsius
59.0 %

Test Date: 6 March 2006

File Name: [Edge On DSSS 2450 MHz Versalius Antenna Aux Bluetooth Off 06-03-06.da4](#)

DUT: Fujitsu Tablet Versalius with Golan 11abg and Bluetooth; Type: WM3945ABG; Serial: 028CCF455CVD26533003

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

* Medium parameters used: $\sigma = 1.97735$ mho/m, $\epsilon_r = 51.96$; $\rho = 1000$ kg/m³

- Electronics: DAE3 Sn442; Probe: ET3DV6 - SN1377; ConvF(3.99, 3.99, 3.99)

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

Channel 11 Test/Area Scan (81x101x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.938 mW/g

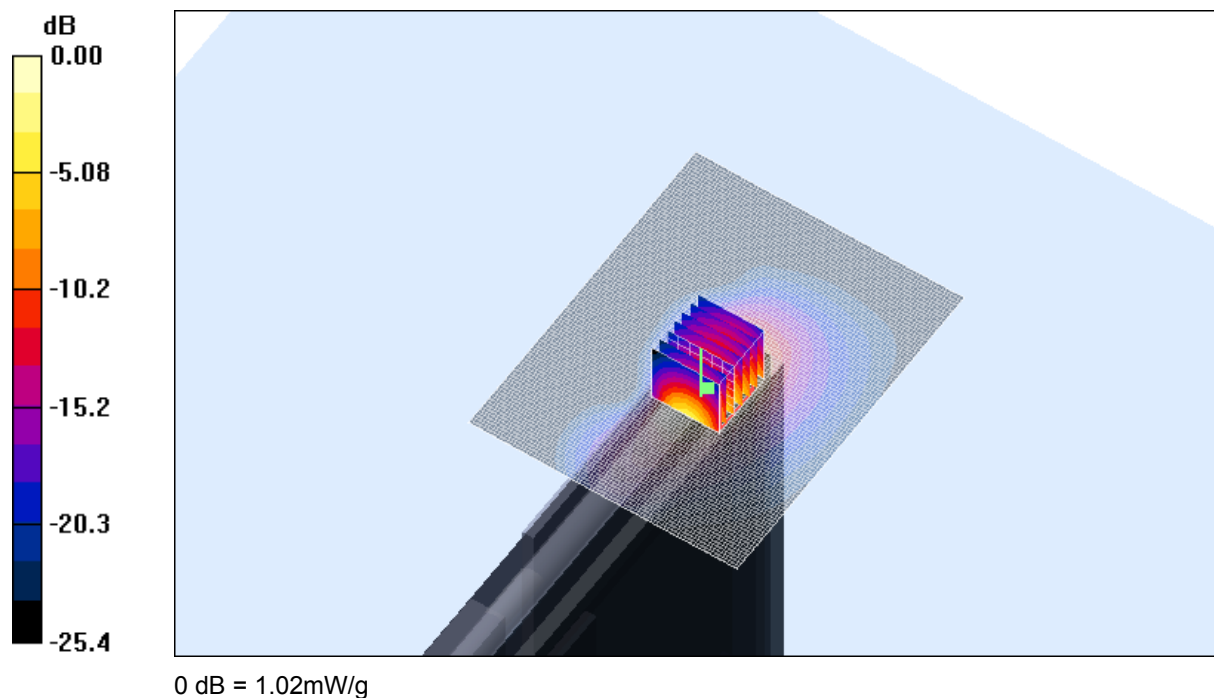
Channel 11 Test/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 17.0 V/m; Power Drift = 0.309 dB

Peak SAR (extrapolated) = 1.98 W/kg

SAR(1 g) = 0.882 mW/g; SAR(10 g) = 0.371 mW/g

Maximum value of SAR (measured) = 1.02 mW/g

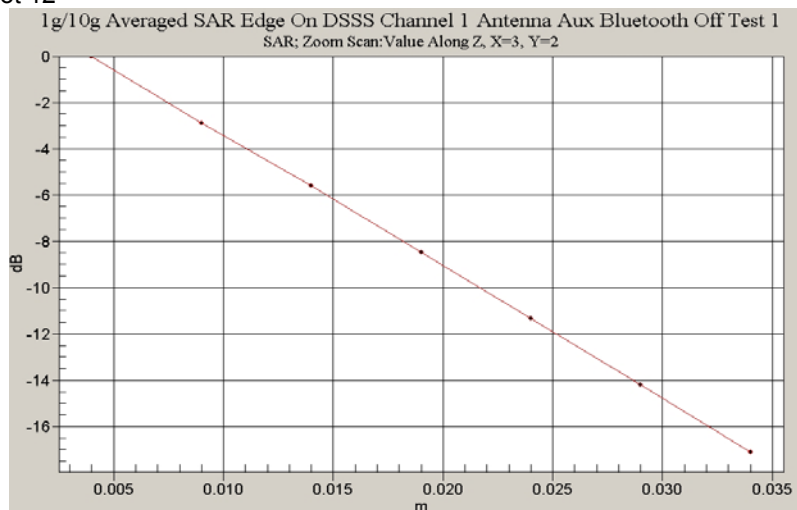


SAR MEASUREMENT PLOT 14

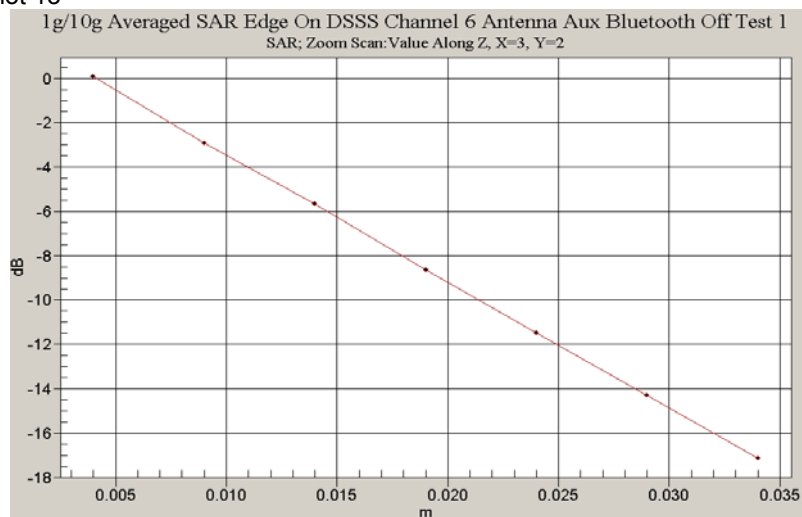
Ambient Temperature
Liquid Temperature
Humidity

21.1 Degrees Celsius
20.7 Degrees Celsius
59.0 %

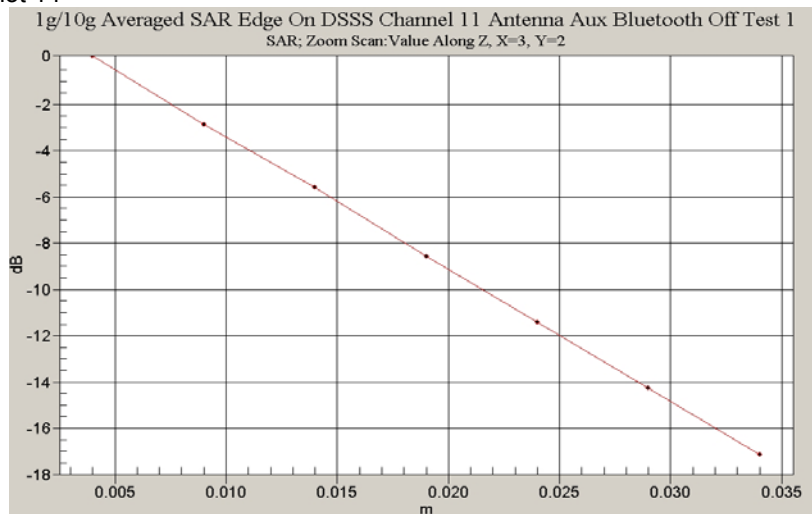
Z-Axis graph for Plot 12



Z-Axis graph for Plot 13



Z-Axis graph for Plot 14



Test Date: 7 March 2006

File Name: [Tablet DSSS 2450 MHz Versalium Antenna Aux Bluetooth On Prescan 07-03-06.da4](#)

DUT: Fujitsu Tablet Versalium with Golan 11abg and Bluetooth; Type: WM3945ABG; Serial: 028CCF455CVD26533003

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

* Medium parameters used: $\sigma = 1.94551$ mho/m, $\epsilon_r = 51.3217$; $\rho = 1000$ kg/m³

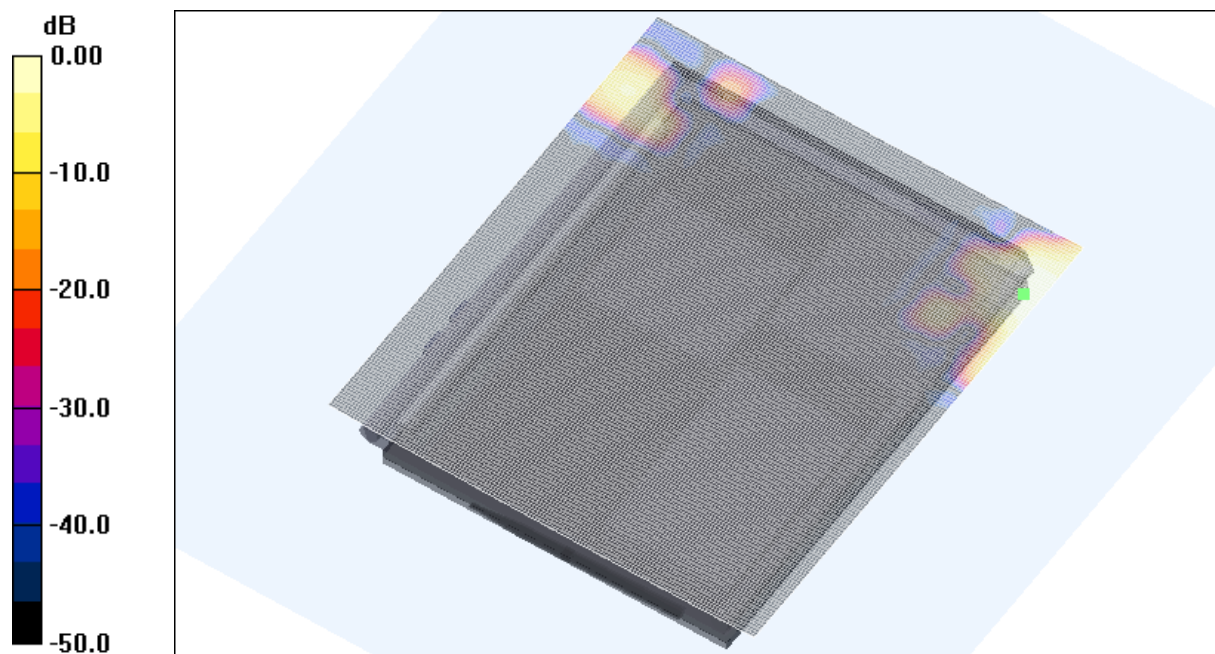
- Electronics: DAE3 Sn442; Probe: ET3DV6 - SN1377; ConvF(3.99, 3.99, 3.99)

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

Channel 6 Bluetooth at 2441 MHz Test/Area Scan (141x161x1): Measurement grid:

dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.011 mW/g



SAR MEASUREMENT PLOT 15

Ambient Temperature
Liquid Temperature
Humidity

21.2 Degrees Celsius
20.8 Degrees Celsius
45.0 %

Test Date: 7 March 2006

File Name: [Arm Held DSSS 2450 MHz Versalium Antenna Main Bluetooth On 07-03-06.da4](#)

DUT: Fujitsu Tablet Versalium with Golan 11abg and Bluetooth; Type: WM3945ABG; Serial: 028CCF455CVD26533003

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

* Medium parameters used: $\sigma = 1.98722$ mho/m, $\epsilon_r = 51.1751$; $\rho = 1000$ kg/m³

- Electronics: DAE3 Sn442; Probe: ET3DV6 - SN1377; ConvF(3.99, 3.99, 3.99)

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

Channel 11 Test/Area Scan (81x101x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 1.85 mW/g

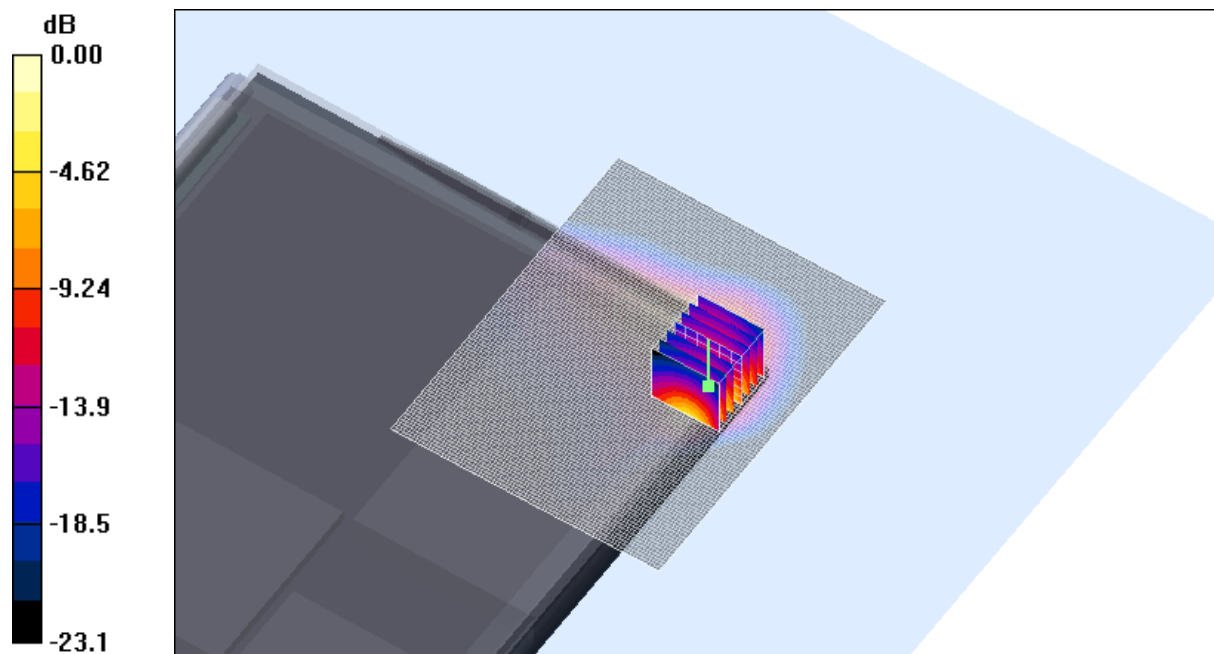
Channel 11 Test/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 24.1 V/m; Power Drift = -0.052 dB

Peak SAR (extrapolated) = 2.92 W/kg

SAR(1 g) = 1.39 mW/g; SAR(10 g) = 0.625 mW/g

Maximum value of SAR (measured) = 1.62 mW/g



0 dB = 1.62mW/g

SAR MEASUREMENT PLOT 16

Ambient Temperature
Liquid Temperature
Humidity

21.2 Degrees Celsius
20.8 Degrees Celsius
45.0 %

Test Date: 7 March 2006

File Name: [Arm Held DSSS 2450 MHz Versalium Antenna Aux Bluetooth On 07-03-06.da4](#)

DUT: Fujitsu Tablet Versalium with Golan 11abg and Bluetooth; Type: WM3945ABG; Serial: 028CCF455CVD26533003

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

* Medium parameters used: $\sigma = 1.98722$ mho/m, $\epsilon_r = 51.1751$; $\rho = 1000$ kg/m³

- Electronics: DAE3 Sn442; Probe: ET3DV6 - SN1377; ConvF(3.99, 3.99, 3.99)

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

Channel 11 Test/Area Scan (81x101x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 1.77 mW/g

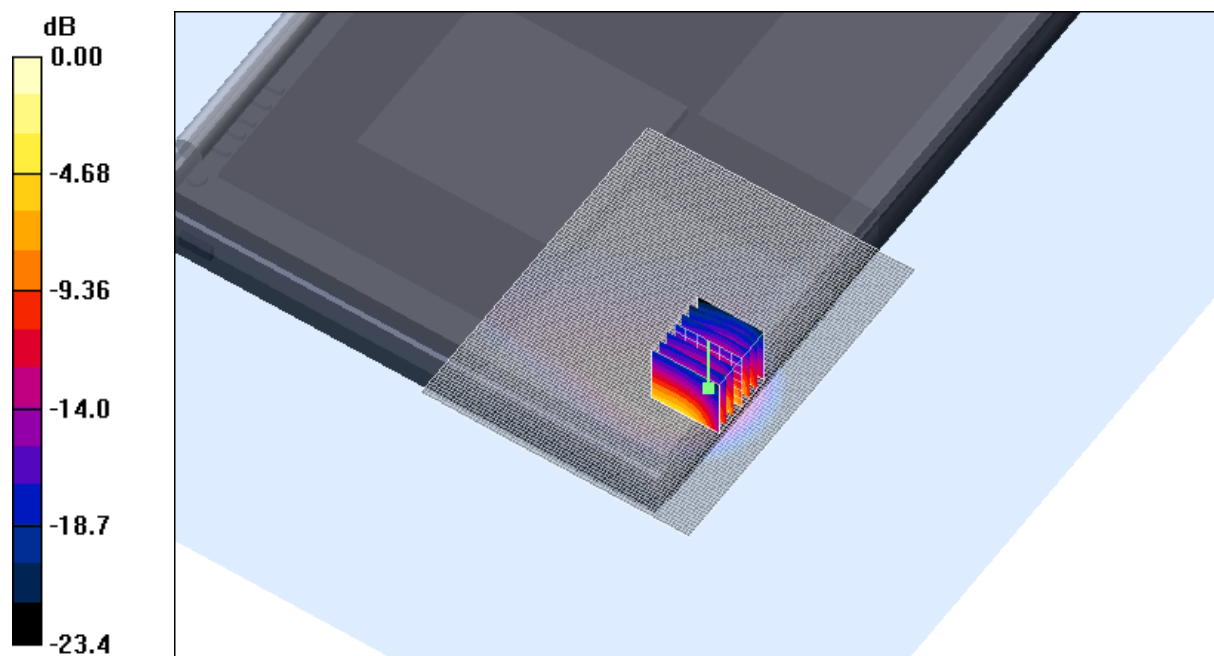
Channel 11 Test/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 24.5 V/m; Power Drift = -0.122 dB

Peak SAR (extrapolated) = 2.98 W/kg

SAR(1 g) = 1.27 mW/g; SAR(10 g) = 0.534 mW/g

Maximum value of SAR (measured) = 1.50 mW/g



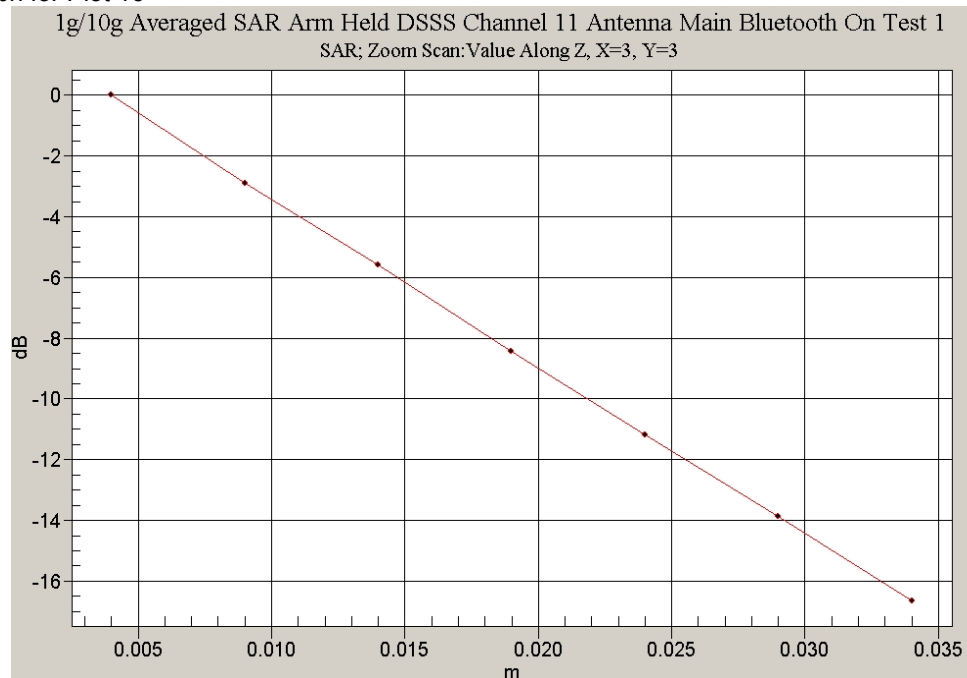
0 dB = 1.50mW/g

SAR MEASUREMENT PLOT 17

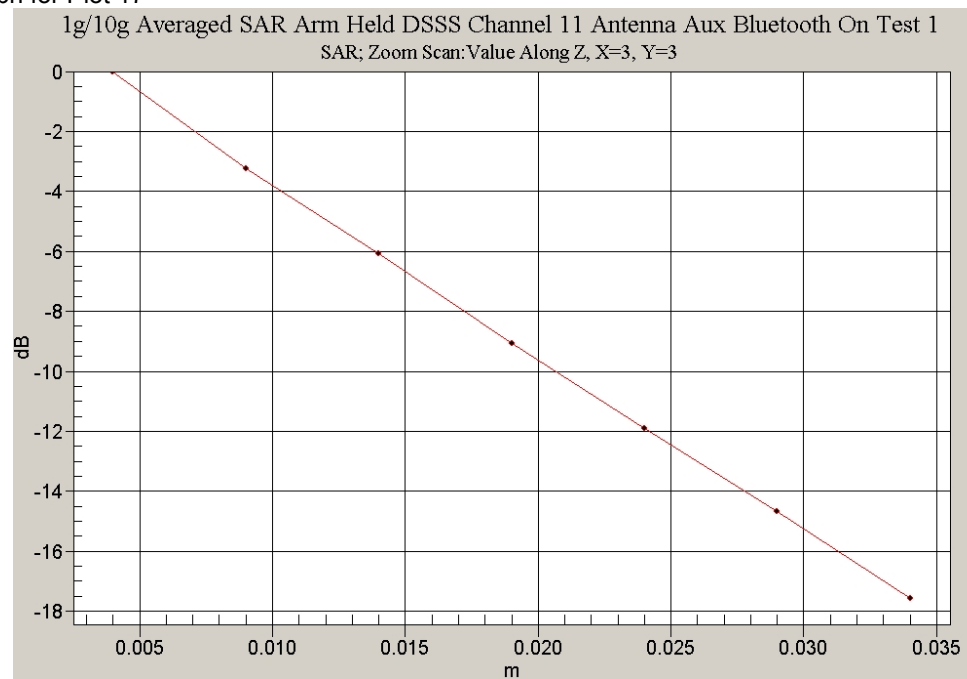
Ambient Temperature
Liquid Temperature
Humidity

21.2 Degrees Celsius
20.8 Degrees Celsius
45.0 %

Z-Axis graph for Plot 16



Z-Axis graph for Plot 17



Test Date: 7 March 2006

File Name: [Arm Held OFDM 2450 MHz Versalius Antenna Main Bluetooth Off 07-03-06.da4](#)

DUT: Fujitsu Tablet Versalius with Golan 11abg and Bluetooth; Type: WM3945ABG; Serial: 028CCF455CVD26533003

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

* Medium parameters used: $\sigma = 1.94551$ mho/m, $\epsilon_r = 51.3217$; $\rho = 1000$ kg/m³

- Electronics: DAE3 Sn442; Probe: ET3DV6 - SN1377; ConvF(3.99, 3.99, 3.99)

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

Channel 6 Test/Area Scan (81x101x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 1.32 mW/g

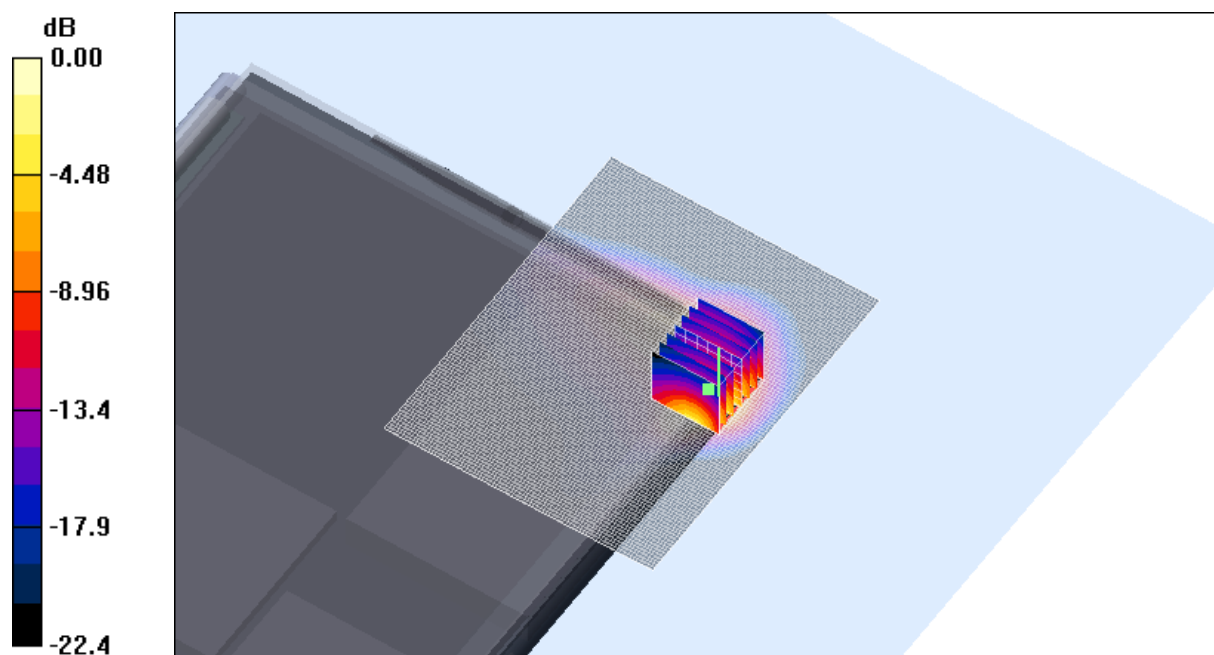
Channel 6 Test/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 19.0 V/m; Power Drift = -0.020 dB

Peak SAR (extrapolated) = 2.40 W/kg

SAR(1 g) = 1.14 mW/g; SAR(10 g) = 0.513 mW/g

Maximum value of SAR (measured) = 1.29 mW/g



0 dB = 1.29mW/g

SAR MEASUREMENT PLOT 18

Ambient Temperature
Liquid Temperature
Humidity

21.2 Degrees Celsius
20.8 Degrees Celsius
45.0 %

Test Date: 7 March 2006

File Name: [Arm Held OFDM 2450 MHz Versalius Antenna Aux Bluetooth Off 07-03-06.da4](#)

DUT: Fujitsu Tablet Versalius with Golan 11abg and Bluetooth; Type: WM3945ABG; Serial: 028CCF455CVD26533003

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

* Medium parameters used: $\sigma = 1.94551$ mho/m, $\epsilon_r = 51.3217$; $\rho = 1000$ kg/m³

- Electronics: DAE3 Sn442; Probe: ET3DV6 - SN1377; ConvF(3.99, 3.99, 3.99)

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

Channel 6 Test/Area Scan (81x101x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 1.23 mW/g

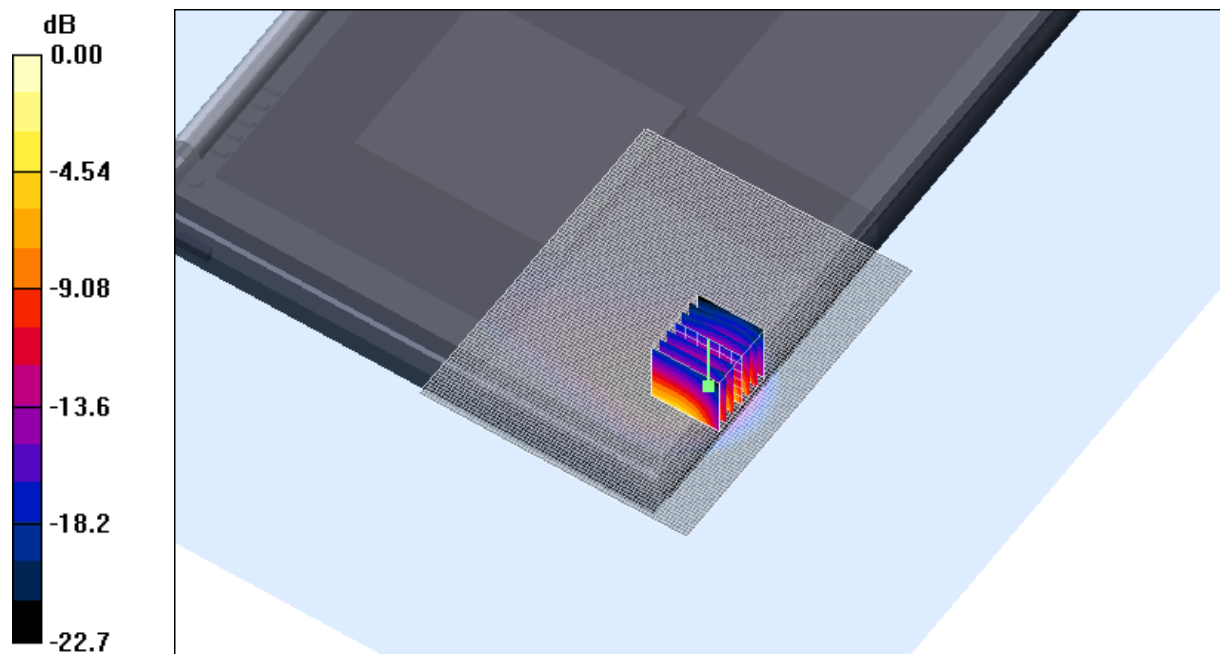
Channel 6 Test/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 18.9 V/m; Power Drift = 0.183 dB

Peak SAR (extrapolated) = 2.31 W/kg

SAR(1 g) = 0.994 mW/g; SAR(10 g) = 0.421 mW/g

Maximum value of SAR (measured) = 1.19 mW/g



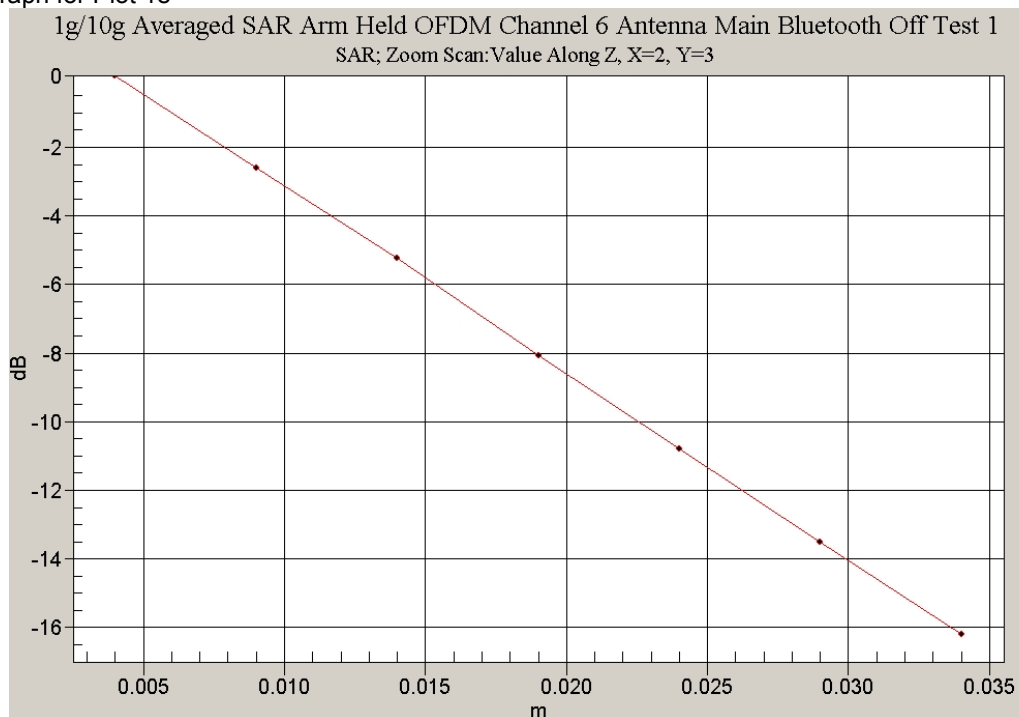
0 dB = 1.19mW/g

SAR MEASUREMENT PLOT 19

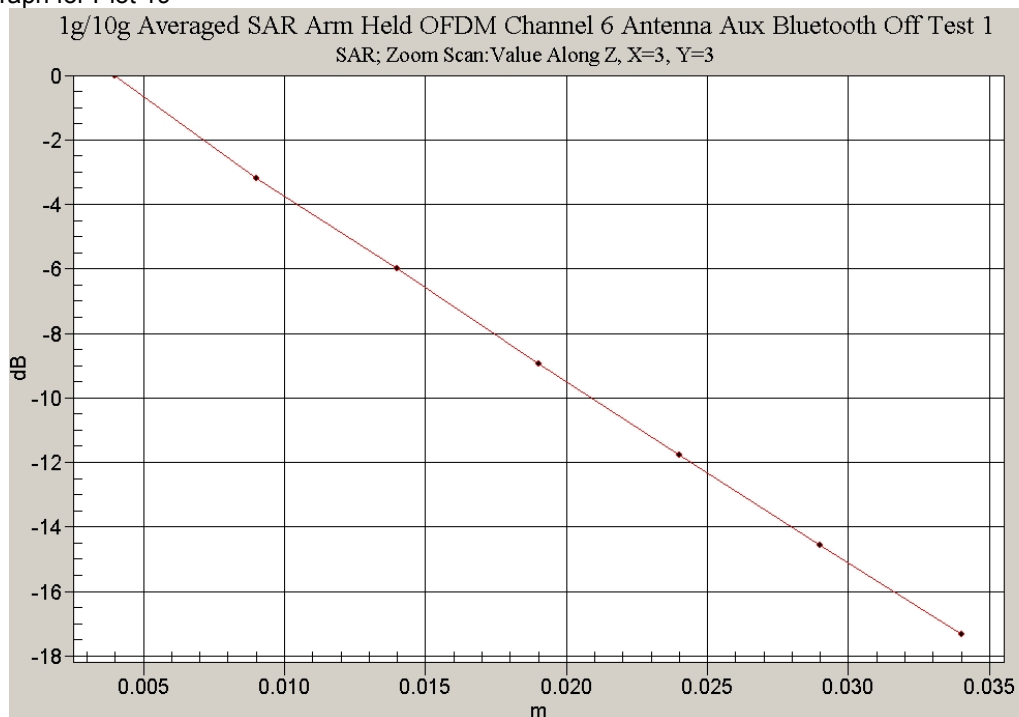
Ambient Temperature
Liquid Temperature
Humidity

21.2 Degrees Celsius
20.8 Degrees Celsius
45.0 %

Z-Axis graph for Plot 18



Z-Axis graph for Plot 19



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Test Date: 6 March 2006

File Name: [Validation 2450 MHz \(DAE442 Probe1377\) 06-03-06.da4](#)

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

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

* Medium parameters used: $\sigma = 1.78284$ mho/m, $\epsilon_r = 38.8937$; $\rho = 1000$ kg/m³

- Electronics: DAE3 Sn442; Probe: ET3DV6 - SN1377; ConvF(4.57, 4.57, 4.57)

- 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

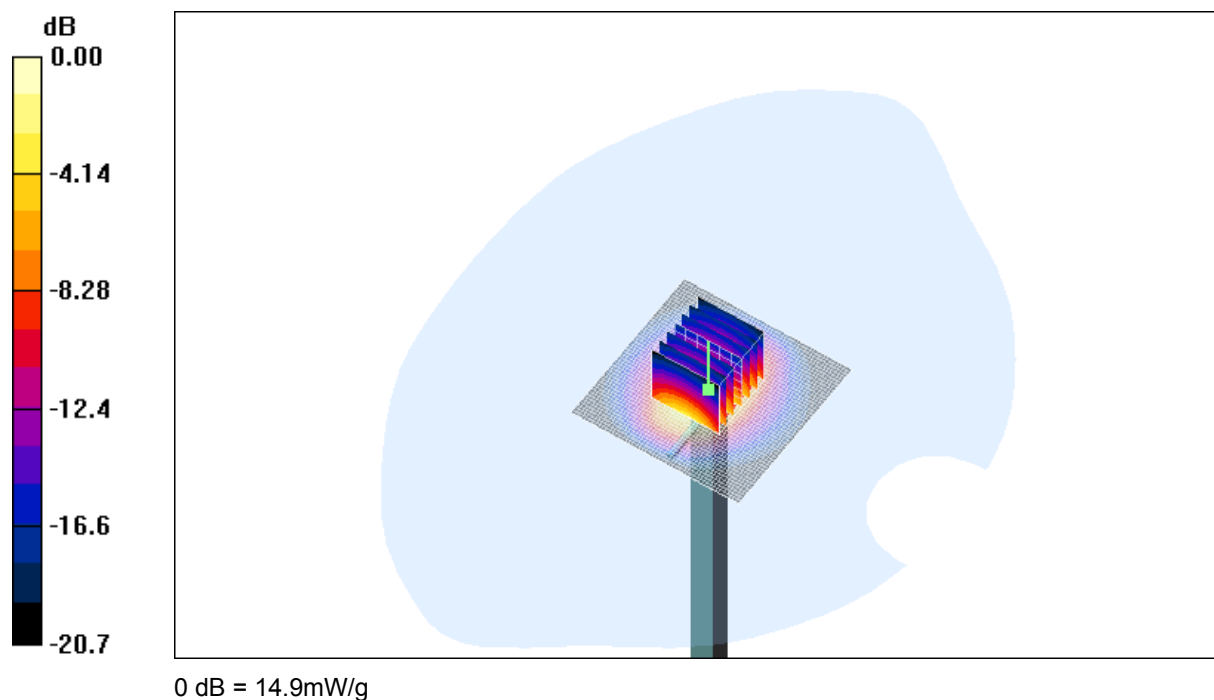
Channel 1 Test/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 96.0 V/m; Power Drift = -0.061 dB

Peak SAR (extrapolated) = 26.4 W/kg

SAR(1 g) = 13.1 mW/g; SAR(10 g) = 6.27 mW/g

Maximum value of SAR (measured) = 14.9 mW/g



SAR MEASUREMENT PLOT 20

Ambient Temperature
Liquid Temperature
Humidity

21.1 Degrees Celsius
20.7 Degrees Celsius
59.0 %

Test Date: 7 March 2006

File Name: [Validation 2450 MHz \(DAE442 Probe1377\) 07-03-06.da4](#)

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

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

* Medium parameters used: $\sigma = 1.80547$ mho/m, $\epsilon_r = 38.9069$; $\rho = 1000$ kg/m³

- Electronics: DAE3 Sn442; Probe: ET3DV6 - SN1377; ConvF(4.57, 4.57, 4.57)

- 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) = 19.0 mW/g

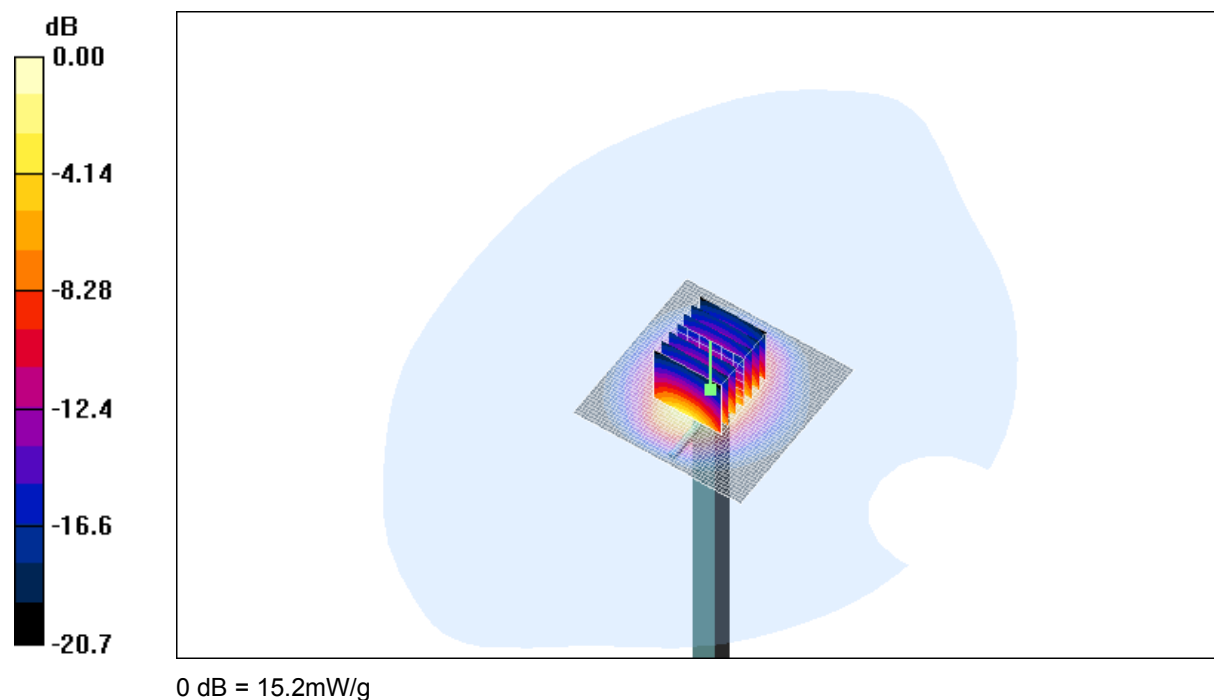
Channel 1 Test/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 96.5 V/m; Power Drift = -0.051 dB

Peak SAR (extrapolated) = 27.0 W/kg

SAR(1 g) = 13.4 mW/g; SAR(10 g) = 6.38 mW/g

Maximum value of SAR (measured) = 15.2 mW/g



SAR MEASUREMENT PLOT 21

Ambient Temperature

21.2 Degrees Celsius

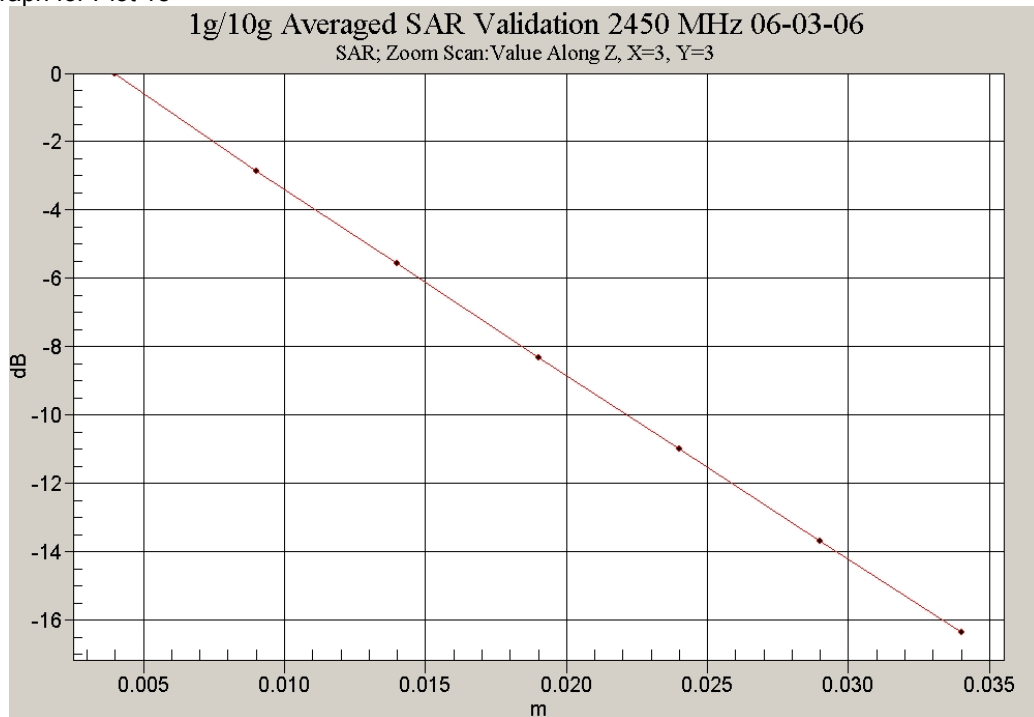
Liquid Temperature

20.8 Degrees Celsius

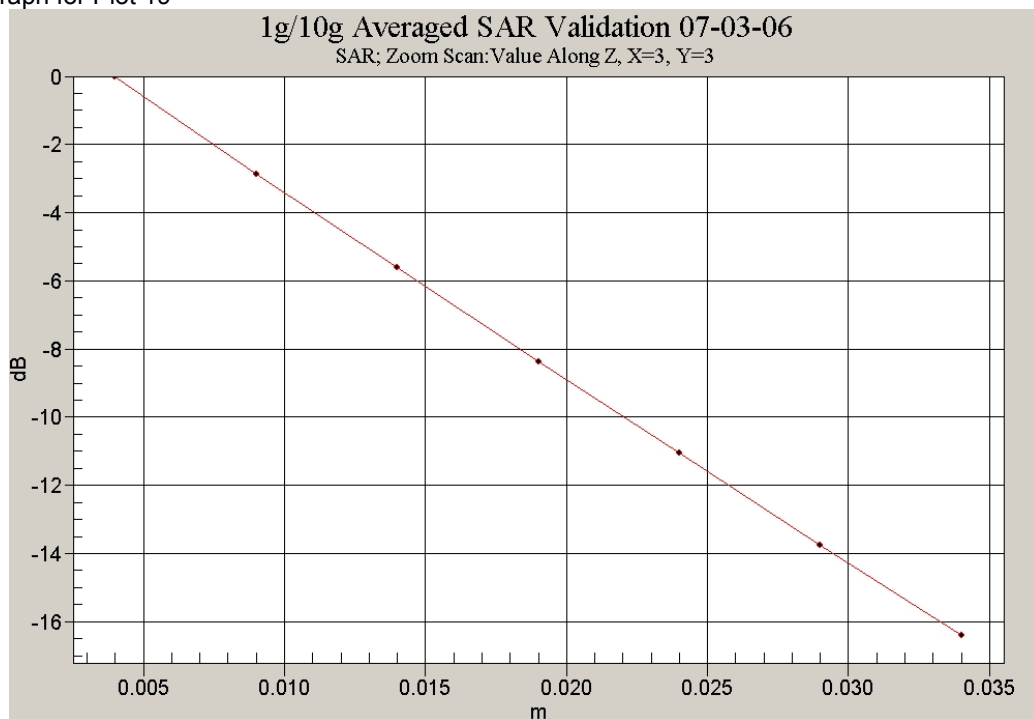
Humidity

45.0 %

Z-Axis graph for Plot 18



Z-Axis graph for Plot 19



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APPENDIX C

SAR TESTING EQUIPMENT CALIBRATION CERTIFICATE ATTACHMENTS

Calibration Certificate Attachments

- | | |
|---|----------|
| 1. 2.5GHz E-Field Probe Calibration Sheet | 10 Pages |
| 2. 2.5GHz Dipole Calibration Sheet | 6 pages |