

Test Date: 13 July 2005

File Name: [Edge On DSSS 2450 MHz Antenna A Bluetooth Off 13-07-05.da4](#)

DUT: Fujitsu Tablet Sadalarn with Atheros 11abg; Type: WLL 4070; Serial: MAC:0011F5-496CC4

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

\* Medium parameters used:  $\sigma = 1.97477$ ; mho/m,  $\epsilon_r = 51.4182$ ;  $\rho = 1000 \text{ kg/m}^3$

- Electronics: DAE3 Sn442; Probe: ET3DV6 - SN1380; ConvF(4.16, 4.16, 4.16)

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

**Channel 1 Bluetooth On Test/Area Scan (61x81x1):** Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 1.33 mW/g

**Channel 1 Bluetooth On Test/Zoom Scan (7x7x7)/Cube 0:** Measurement grid:

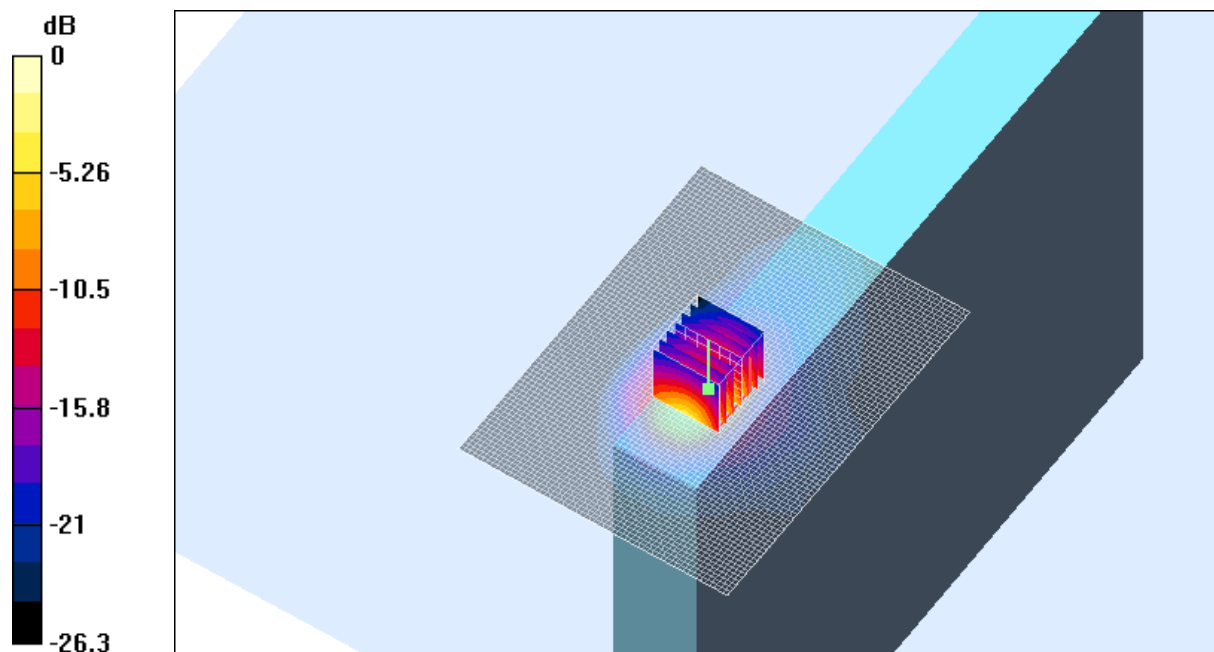
dx=5mm, dy=5mm, dz=5mm

Reference Value = 23.9 V/m; Power Drift = 0.0 dB

Peak SAR (extrapolated) = 2.87 W/kg

**SAR(1 g) = 1.12 mW/g; SAR(10 g) = 0.432 mW/g**

Maximum value of SAR (measured) = 1.34 mW/g



0 dB = 1.34mW/g

**SAR MEASUREMENT PLOT 8**

Ambient Temperature  
Liquid Temperature  
Humidity

20.7 Degrees Celsius  
19.9 Degrees Celsius  
43.0 %

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DUT: Fujitsu Tablet Sadalarn with Atheros 11abg; Type: WLL 4070; Serial: MAC:0011F5-496CC4

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

\* Medium parameters used:  $\sigma = 2.0064$ ; mho/m,  $\epsilon_r = 51.1131$ ;  $\rho = 1000 \text{ kg/m}^3$

- Electronics: DAE3 Sn442; Probe: ET3DV6 - SN1380; ConvF(4.16, 4.16, 4.16)

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

**Channel 6 Bluetooth On Test/Area Scan (61x81x1):** Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 1.42 mW/g

**Channel 6 Bluetooth On Test/Zoom Scan (7x7x7)/Cube 0:** Measurement grid:

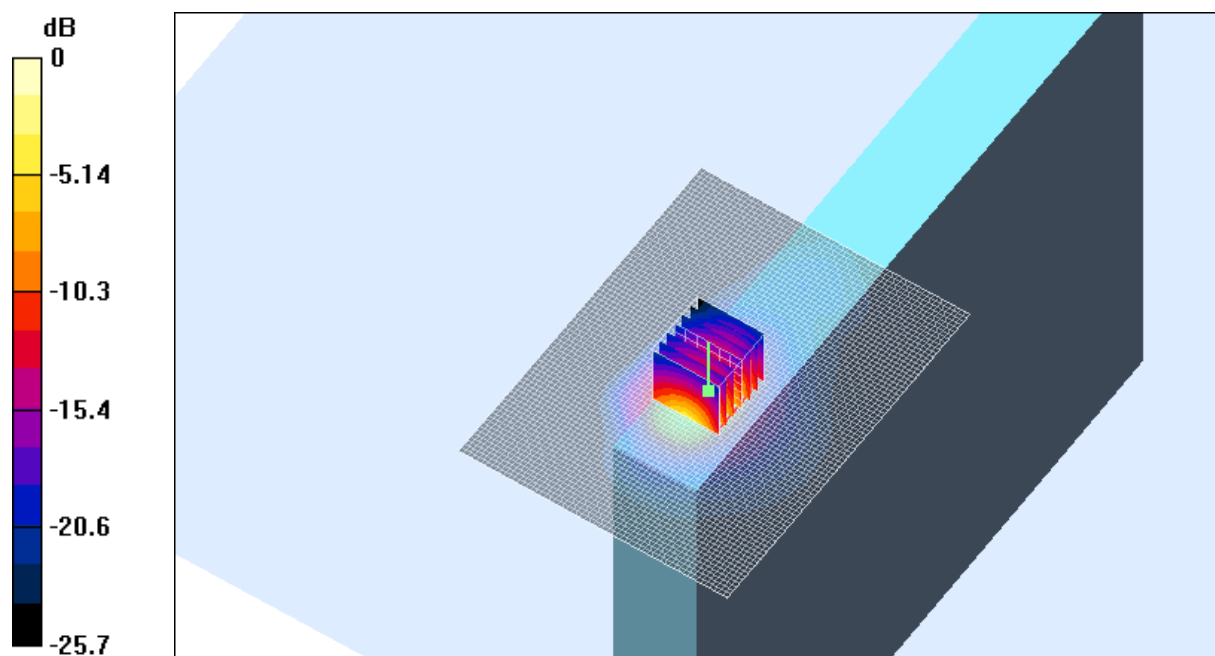
dx=5mm, dy=5mm, dz=5mm

Reference Value = 24.6 V/m; Power Drift = -0.2 dB

Peak SAR (extrapolated) = 3.06 W/kg

**SAR(1 g) = 1.18 mW/g; SAR(10 g) = 0.454 mW/g**

Maximum value of SAR (measured) = 1.4 mW/g



0 dB = 1.4mW/g

**SAR MEASUREMENT PLOT 9**

Ambient Temperature  
Liquid Temperature  
Humidity

20.7 Degrees Celsius  
19.9 Degrees Celsius  
43.0 %

Test Date: 13 July 2005

File Name: [Edge On DSSS 2450 MHz Antenna A Bluetooth Off 13-07-05.da4](#)

DUT: Fujitsu Tablet Sadalarn with Atheros 11abg; Type: WLL 4070; Serial: MAC:0011F5-496CC4

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

\* Medium parameters used:  $\sigma = 2.03984$ ; mho/m,  $\epsilon_r = 50.8233$ ;  $\rho = 1000 \text{ kg/m}^3$

- Electronics: DAE3 Sn442; Probe: ET3DV6 - SN1380; ConvF(4.16, 4.16, 4.16)

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

**Channel 11 Bluetooth On Test/Area Scan (61x81x1):** Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 1.5 mW/g

**Channel 11 Bluetooth On Test/Zoom Scan (7x7x7)/Cube 0:** Measurement grid:

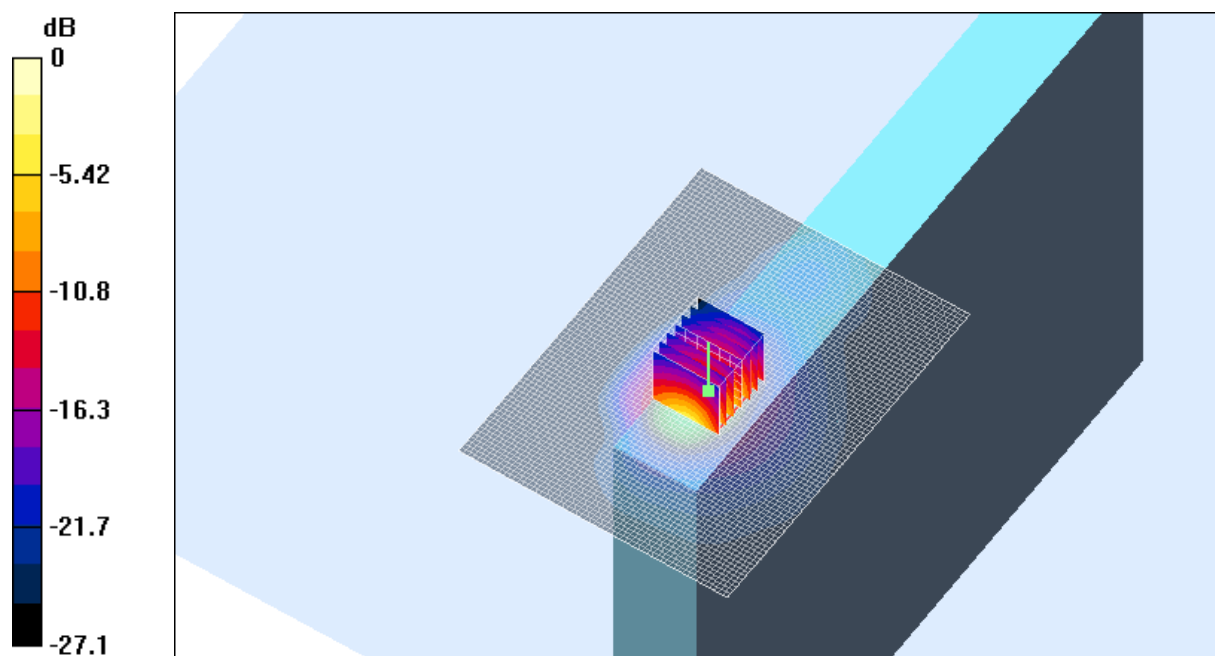
dx=5mm, dy=5mm, dz=5mm

Reference Value = 24.6 V/m; Power Drift = 0.1 dB

Peak SAR (extrapolated) = 3.25 W/kg

**SAR(1 g) = 1.23 mW/g; SAR(10 g) = 0.476 mW/g**

Maximum value of SAR (measured) = 1.49 mW/g



0 dB = 1.49mW/g

**SAR MEASUREMENT PLOT 10**

Ambient Temperature  
Liquid Temperature  
Humidity

20.7 Degrees Celsius  
19.9 Degrees Celsius  
43.0 %

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**Test Date: 13 July 2005**

File Name: [Edge On DSSS 2450 MHz Antenna B Bluetooth Off 13-07-05.da4](#)

**DUT: Fujitsu Tablet Sadalarn with Atheros 11abg; Type: WLL 4070; Serial: MAC:0011F5-496CC4**

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

\* Medium parameters used:  $\sigma = 2.0064$ ; mho/m,  $\epsilon_r = 51.1131$ ;  $\rho = 1000 \text{ kg/m}^3$

- Electronics: DAE3 Sn442; Probe: ET3DV6 - SN1380; ConvF(4.16, 4.16, 4.16)

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

**Channel 6 Test/Area Scan (61x81x1):** Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.505 mW/g

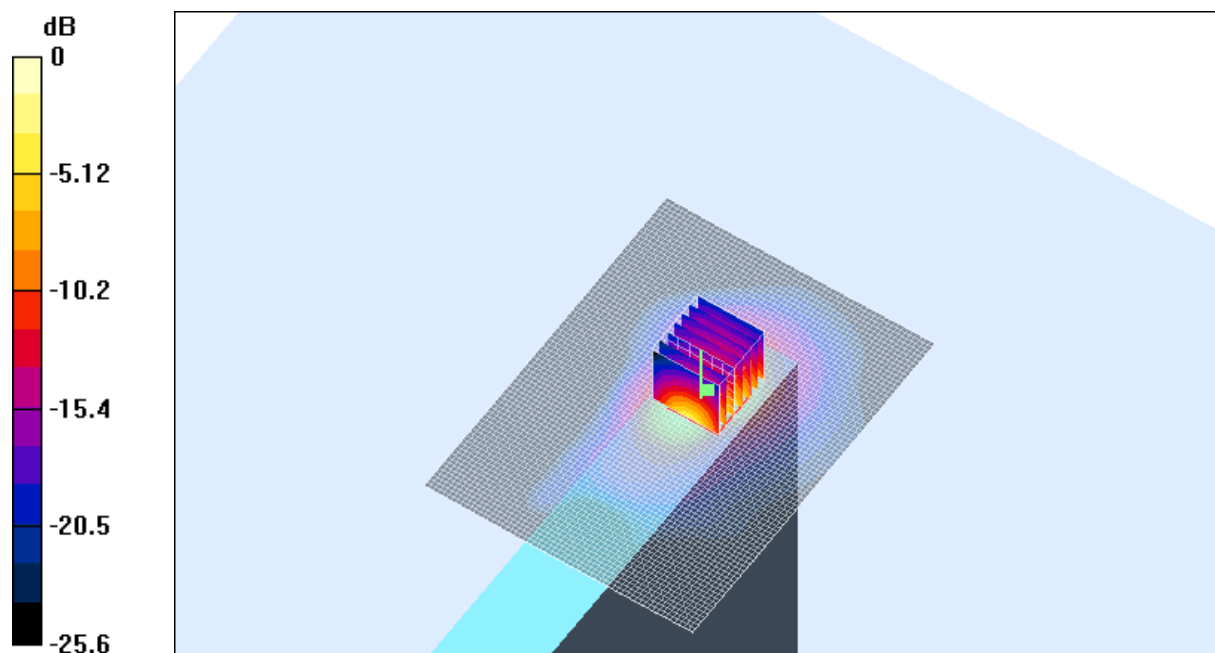
**Channel 6 Test/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 17.2 V/m; Power Drift = -0.1 dB

Peak SAR (extrapolated) = 1.49 W/kg

**SAR(1 g) = 0.577 mW/g; SAR(10 g) = 0.233 mW/g**

Maximum value of SAR (measured) = 0.667 mW/g



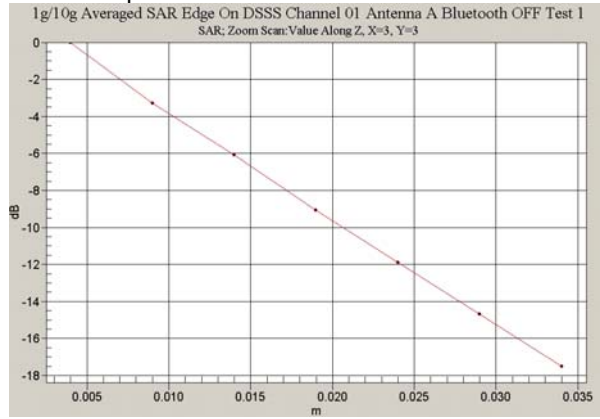
0 dB = 0.667mW/g

**SAR MEASUREMENT PLOT 11**

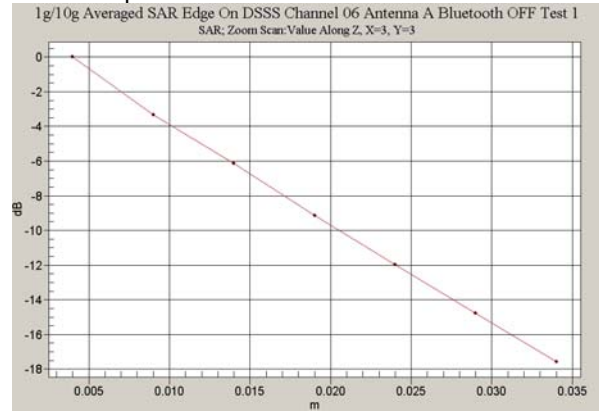
**Ambient Temperature**  
**Liquid Temperature**  
**Humidity**

**20.7 Degrees Celsius**  
**19.9 Degrees Celsius**  
**43.0 %**

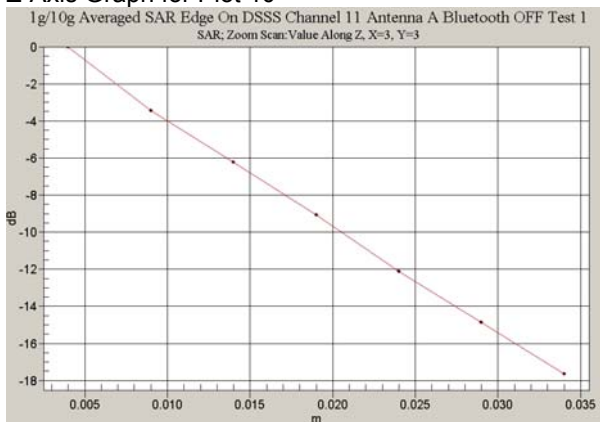
Z-Axis Graph for Plot 8



Z-Axis Graph for Plot 9



Z-Axis Graph for Plot 10



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**Test Date: 24 May 2005**

File Name: [Tablet DSSS 2450 MHz Antenna A Bluetooth On Prescan 24-05-05.da4](#)

**DUT: Fujitsu Tablet Sadalarn with Atheros 11abg; Type: WLL 4070; Serial: MAC:0011F5-496CC4**

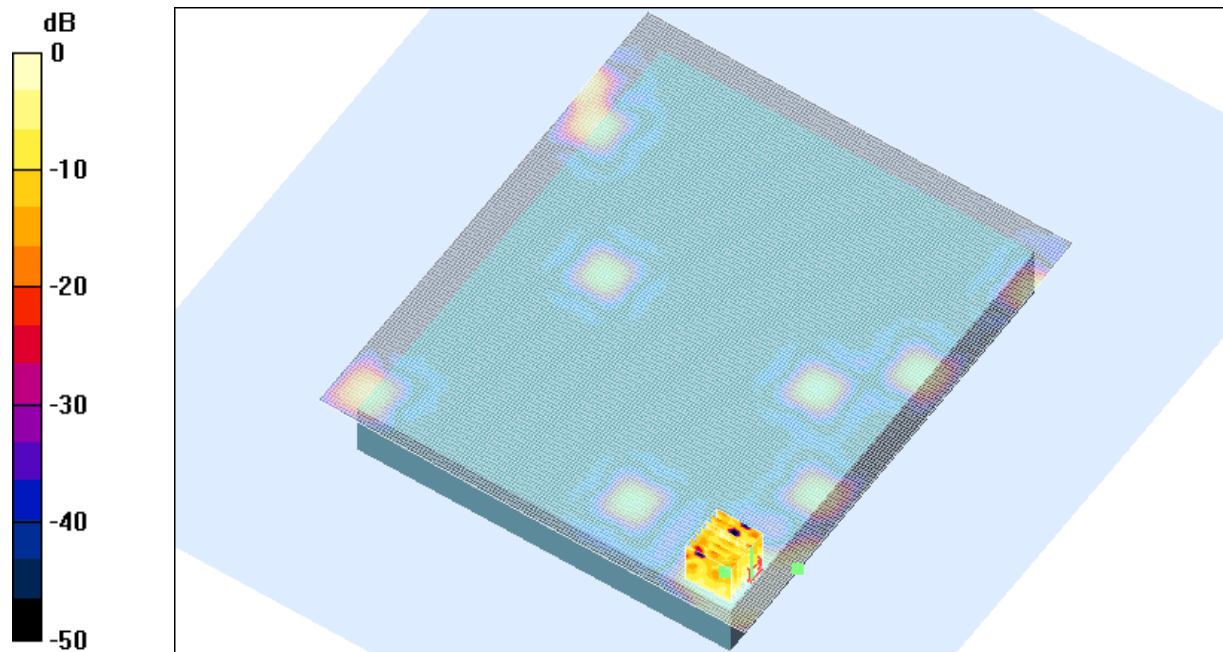
\* Communication System: DSSS 2450 MHz; Frequency: 2437 MHz; Duty Cycle: 1:1

\* Medium parameters used:  $\sigma = 1.98237$ ; mho/m,  $\epsilon_r = 52.6516$ ;  $\rho = 1000 \text{ kg/m}^3$

- Electronics: DAE3 Sn442; Probe: ET3DV6 - SN1380; ConvF(4.16, 4.16, 4.16)

- 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



0 dB = 0.00849mW/g

**SAR MEASUREMENT PLOT 12**

**Ambient Temperature**  
**Liquid Temperature**  
**Humidity**

**20.6 Degrees Celsius**  
**19.8 Degrees Celsius**  
**55.0 %**

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Test Date: 25 May 2005

File Name: [Arm Held DSSS 2450 MHz Antenna A Bluetooth On 25-05-05.da4](#)

DUT: Fujitsu Tablet Sadalarn with Atheros 11abg; Type: WLL 4070; Serial: MAC:0011F5-496CC4

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

\* Medium parameters used:  $\sigma = 1.94254$ ; mho/m,  $\epsilon_r = 50.6965$ ;  $\rho = 1000 \text{ kg/m}^3$

- Electronics: DAE3 Sn442; Probe: ET3DV6 - SN1380; ConvF(4.16, 4.16, 4.16)

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

**Channel 6 Bluetooth On Test/Area Scan (61x81x1):** Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 1.55 mW/g

**Channel 6 Bluetooth On Test/Zoom Scan (7x7x7)/Cube 0:** Measurement grid:

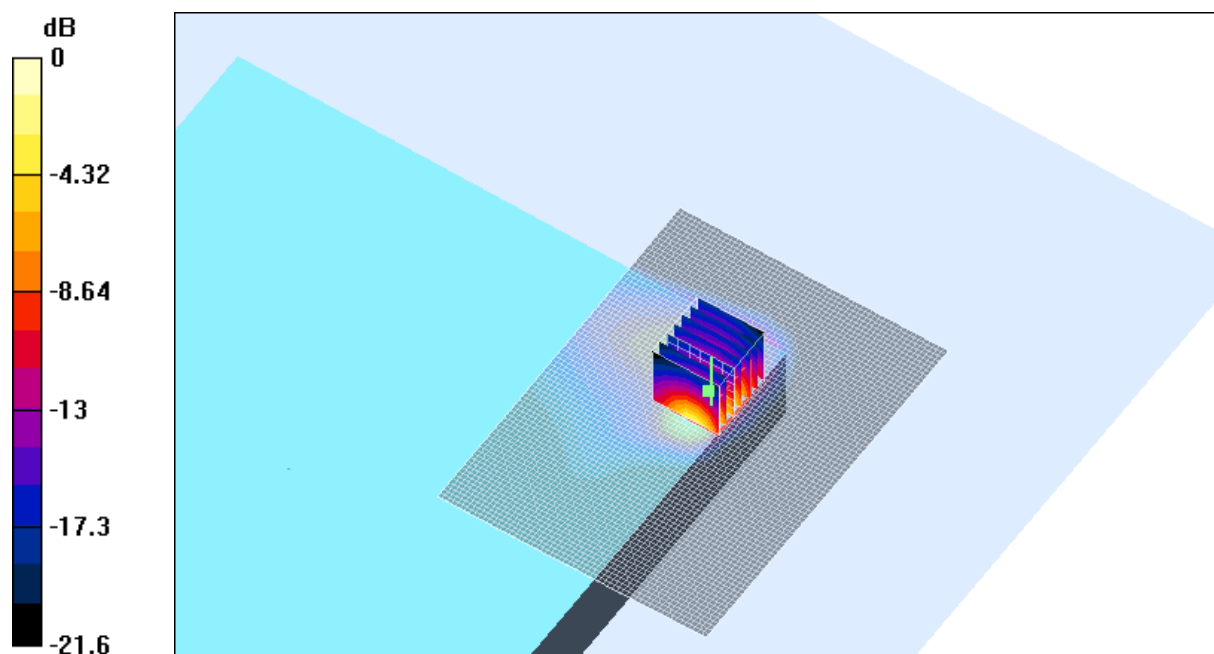
dx=5mm, dy=5mm, dz=5mm

Reference Value = 21.5 V/m; Power Drift = 0.1 dB

Peak SAR (extrapolated) = 3.44 W/kg

**SAR(1 g) = 1.37 mW/g; SAR(10 g) = 0.570 mW/g**

Maximum value of SAR (measured) = 1.52 mW/g



0 dB = 1.52mW/g

**SAR MEASUREMENT PLOT 13**

Ambient Temperature  
Liquid Temperature  
Humidity

20.4 Degrees Celsius  
19.4 Degrees Celsius  
49.0 %

Test Date: 25 May 2005

File Name: [Arm Held OFDM 2450 MHz Antenna A Bluetooth Off 25-05-05.da4](#)

DUT: Fujitsu Tablet Sadalarn with Atheros 11abg; Type: WLL 4070; Serial: MAC:0011F5-496CC4

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

\* Medium parameters used:  $\sigma = 1.94254$ ; mho/m,  $\epsilon_r = 50.6965$ ;  $\rho = 1000 \text{ kg/m}^3$

- Electronics: DAE3 Sn442; Probe: ET3DV6 - SN1380; ConvF(4.16, 4.16, 4.16)

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

**Channel 6 Test/Area Scan (61x81x1):** Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 1.39 mW/g

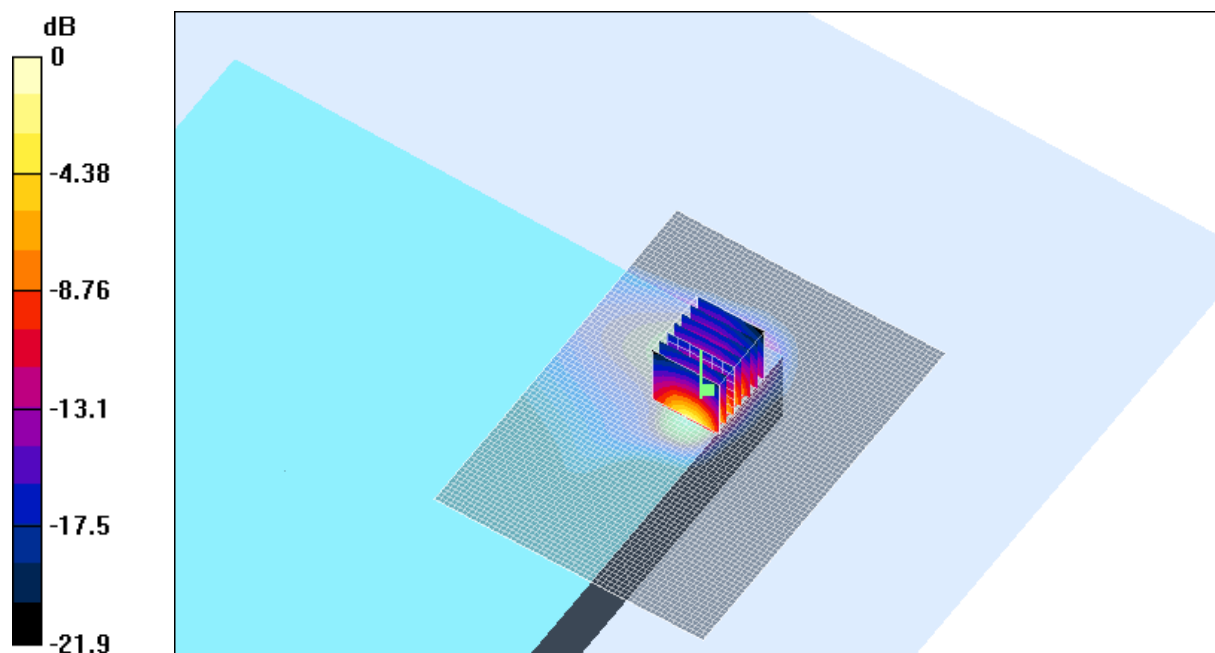
**Channel 6 Test/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 23.2 V/m; Power Drift = -0.4 dB

Peak SAR (extrapolated) = 2.95 W/kg

**SAR(1 g) = 1.19 mW/g; SAR(10 g) = 0.499 mW/g**

Maximum value of SAR (measured) = 1.35 mW/g



0 dB = 1.35mW/g

**SAR MEASUREMENT PLOT 14**

Ambient Temperature  
Liquid Temperature  
Humidity

20.4 Degrees Celsius  
19.4 Degrees Celsius  
49.0 %

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Test Date: 25 May 2005

File Name: [Arm Held OFDM 2450 MHz Antenna B Bluetooth Off 25-05-05.da4](#)

DUT: Fujitsu Tablet Sadalarn with Atheros 11abg; Type: WLL 4070; Serial: MAC:0011F5-496CC4

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

\* Medium parameters used:  $\sigma = 1.94254$ ; mho/m,  $\epsilon_r = 50.6965$ ;  $\rho = 1000 \text{ kg/m}^3$

- Electronics: DAE3 Sn442; Probe: ET3DV6 - SN1380; ConvF(4.16, 4.16, 4.16)

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

**Channel 6 Test/Area Scan (61x81x1):** Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 1.4 mW/g

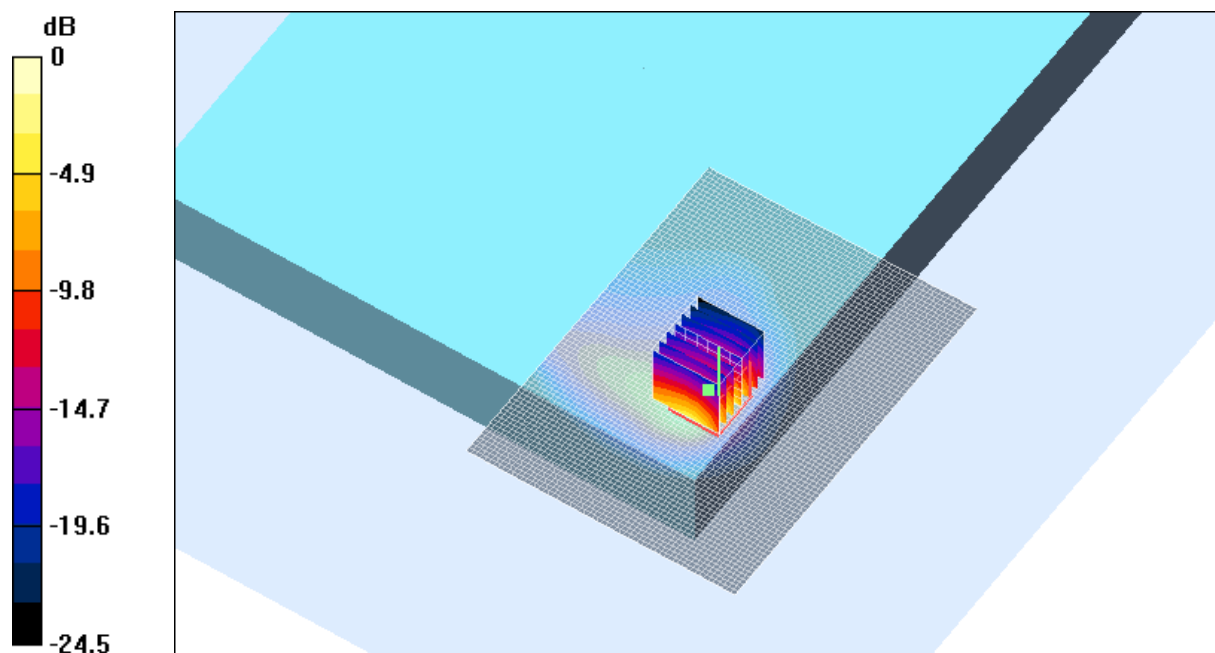
**Channel 6 Test/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 22.4 V/m; Power Drift = -0.2 dB

Peak SAR (extrapolated) = 3.53 W/kg

**SAR(1 g) = 1.29 mW/g; SAR(10 g) = 0.505 mW/g**

Maximum value of SAR (measured) = 1.46 mW/g



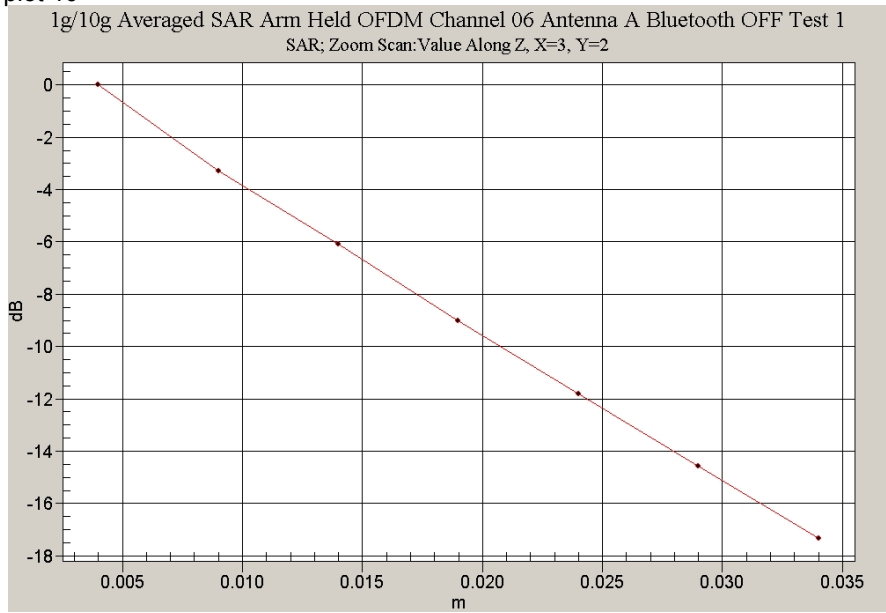
0 dB = 1.46mW/g

**SAR MEASUREMENT PLOT 15**

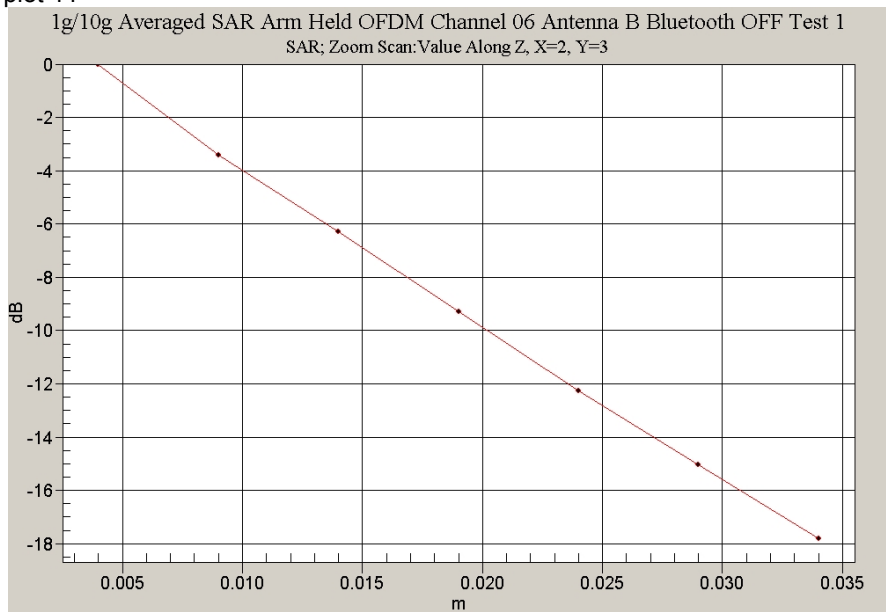
Ambient Temperature  
Liquid Temperature  
Humidity

20.4 Degrees Celsius  
19.4 Degrees Celsius  
49.0 %

Z-Axis scan for plot 10



Z-Axis scan for plot 11



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