

Test Date: 26 May 2005

File Name: [Tablet DSSS 2.45 GHz Ant A Bluetooth On 26-05-05.da4](#)

DUT: Fujitsu Tablet Niechen with Atheros 11abg Module; Type: WLL 4070; Serial: MAC:0011F5-49FE74

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

\* Medium parameters used:  $\sigma = 1.95893$ ; mho/m,  $\epsilon_r = 50.6278$ ;  $\rho = 1000 \text{ kg/m}^3$

- 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 01 Test/Area Scan (101x81x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.843 mW/g

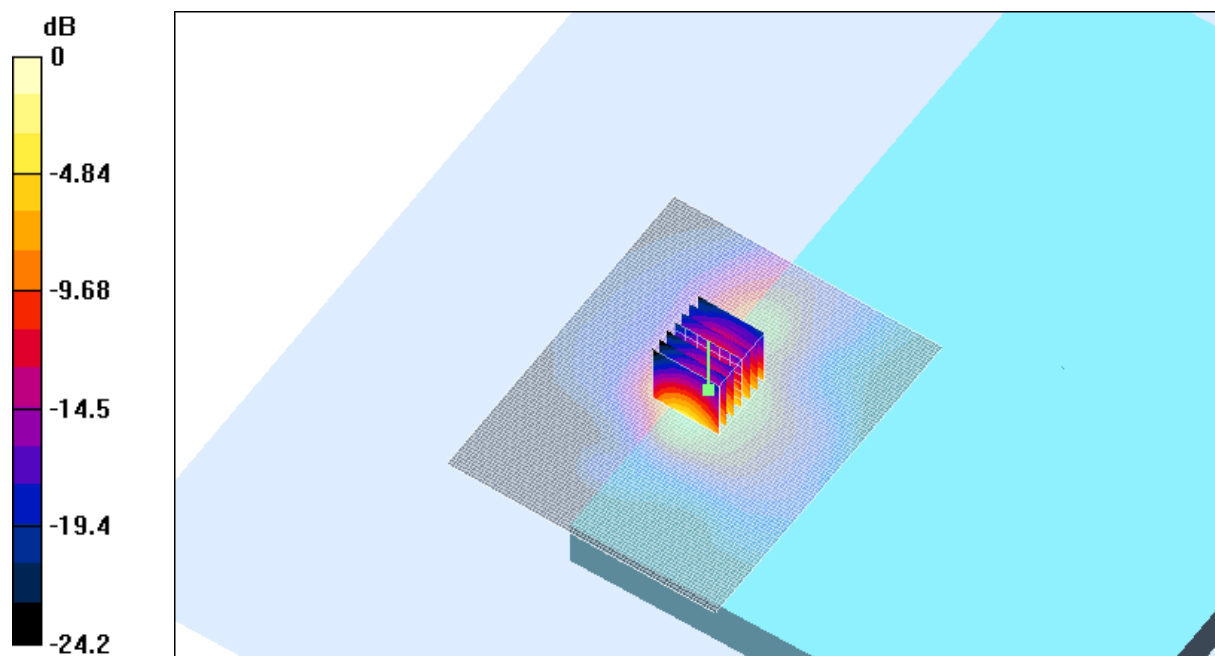
**Channel 01 Test/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 10.4 V/m; Power Drift = 0.1 dB

Peak SAR (extrapolated) = 1.99 W/kg

**SAR(1 g) = 0.795 mW/g; SAR(10 g) = 0.350 mW/g**

Maximum value of SAR (measured) = 0.896 mW/g



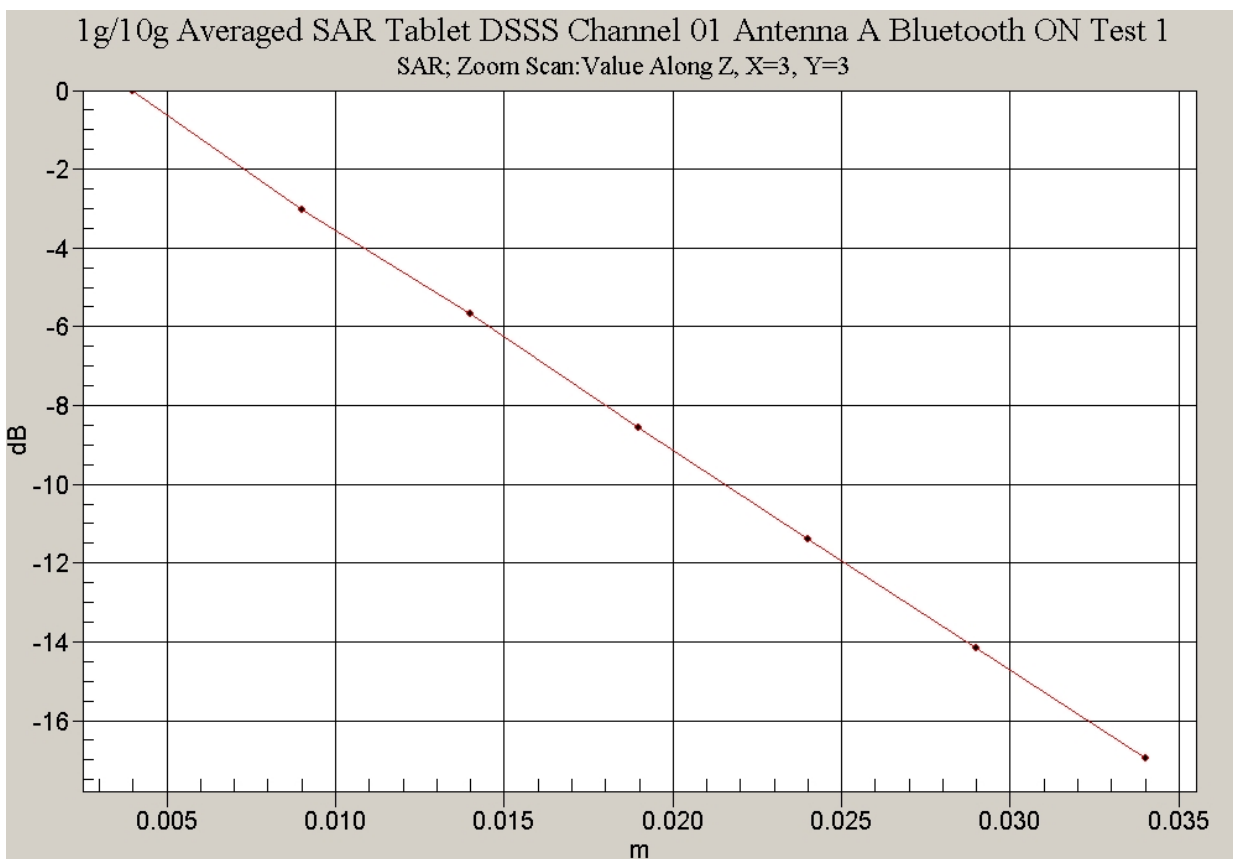
0 dB = 0.896mW/g

**SAR MEASUREMENT PLOT 8**

Ambient Temperature  
Liquid Temperature  
Humidity

20.0 Degrees Celsius  
19.6 Degrees Celsius  
42.0 %

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Test Date: 26 May 2005

File Name: [Arm Held OFDM 2.45 GHz Antenna B Bluetooth Off 26-05-05.da4](#)

DUT: Fujitsu Tablet Niechen with Atheros 11abg Module; Type: WLL 4070; Serial: MAC:0011F5-49FE74

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

\* Medium parameters used:  $\sigma = 1.99528$ ; mho/m,  $\epsilon_r = 50.501$ ;  $\rho = 1000 \text{ kg/m}^3$

- 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 06 Test/Area Scan (81x61x1):** Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.214 mW/g

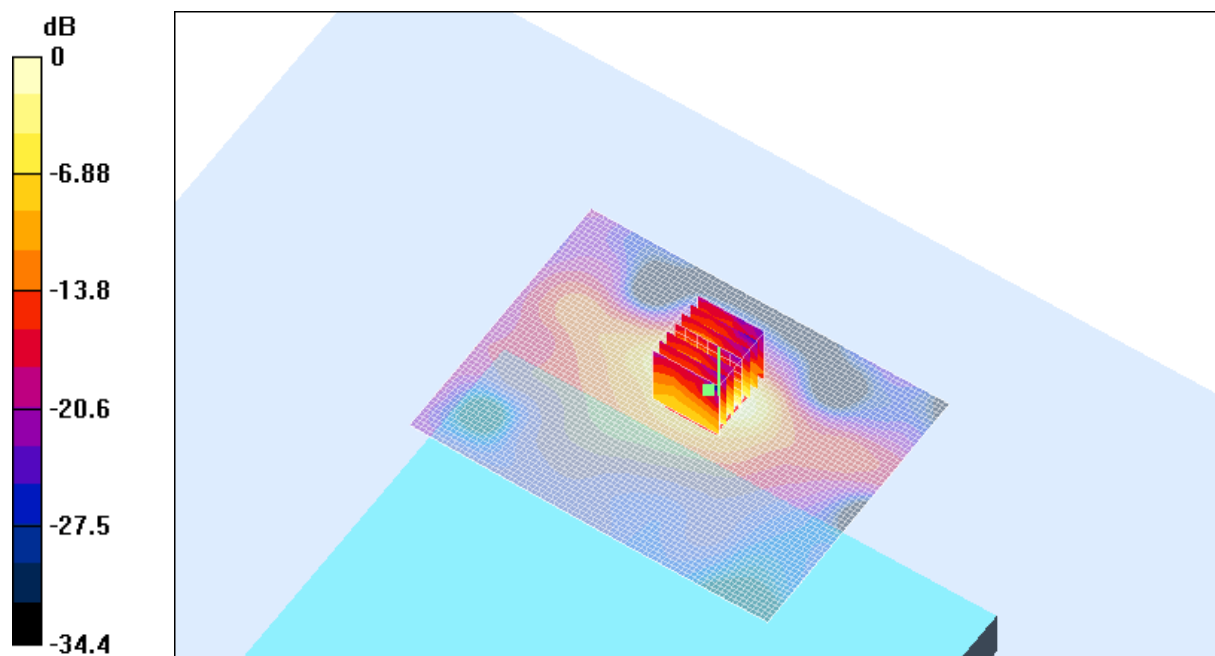
**Channel 06 Test/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 5.28 V/m; Power Drift = 0.1 dB

Peak SAR (extrapolated) = 0.603 W/kg

**SAR(1 g) = 0.209 mW/g; SAR(10 g) = 0.089 mW/g**

Maximum value of SAR (measured) = 0.249 mW/g



0 dB = 0.249mW/g

**SAR MEASUREMENT PLOT 9**

Ambient Temperature  
Liquid Temperature  
Humidity

20.0 Degrees Celsius  
19.6 Degrees Celsius  
42.0 %

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Test Date: 26 May 2005

File Name: [Tablet OFDM 2.45 GHz Antenna A Bluetooth Off 26-05-05.da4](#)

DUT: Fujitsu Tablet Niechen with Atheros 11abg Module; Type: WLL 4070; Serial: MAC:0011F5-49FE74

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

\* Medium parameters used:  $\sigma = 1.99528$ ; mho/m,  $\epsilon_r = 50.501$ ;  $\rho = 1000 \text{ kg/m}^3$

- 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 06 Test/Area Scan (101x81x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.738 mW/g

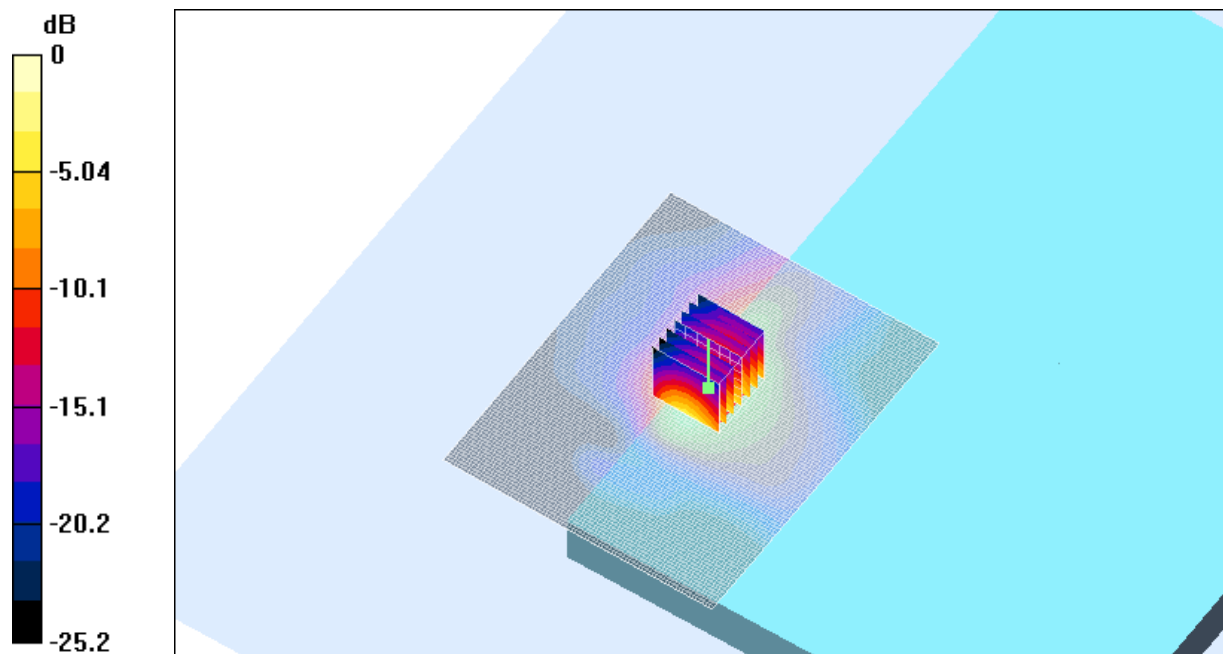
**Channel 06 Test/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 11.1 V/m; Power Drift = -0.2 dB

Peak SAR (extrapolated) = 1.92 W/kg

**SAR(1 g) = 0.733 mW/g; SAR(10 g) = 0.316 mW/g**

Maximum value of SAR (measured) = 0.830 mW/g



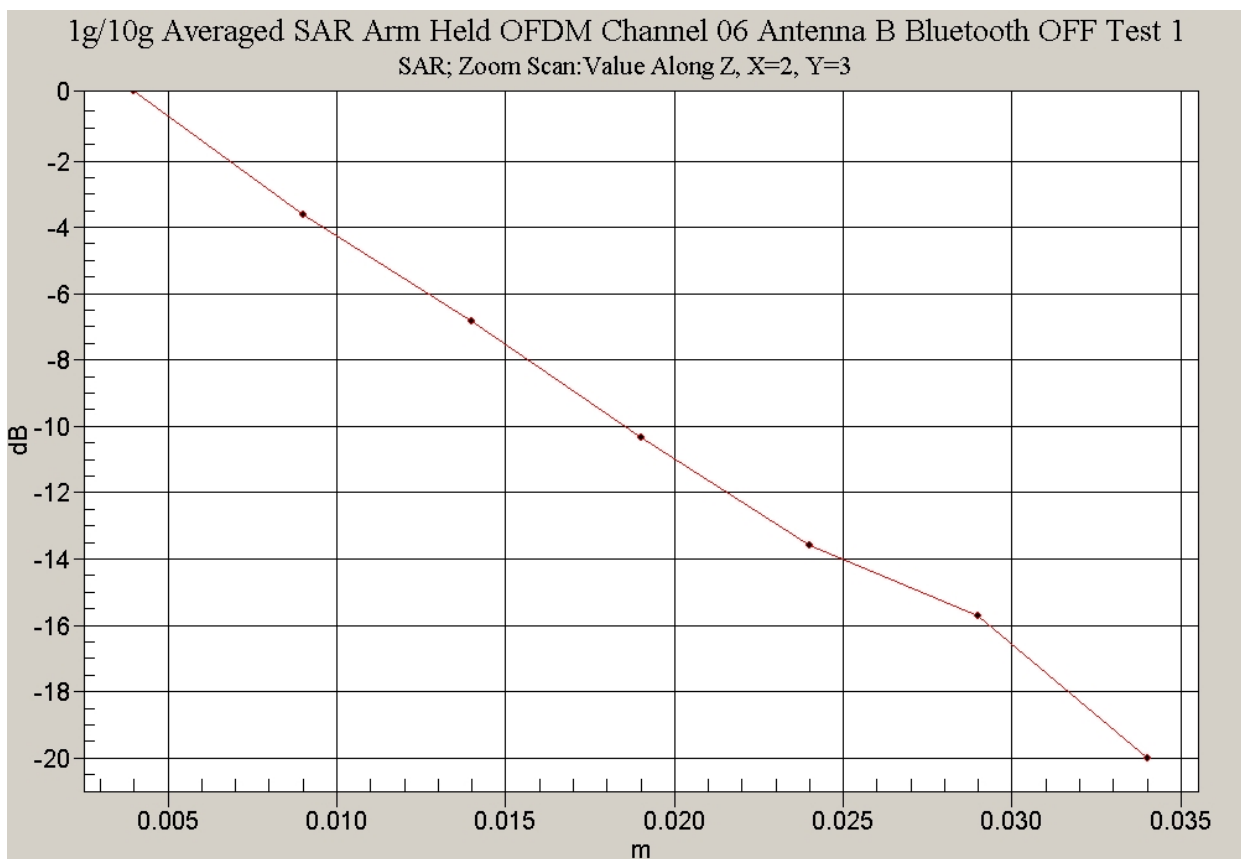
0 dB = 0.830mW/g

**SAR MEASUREMENT PLOT 10**

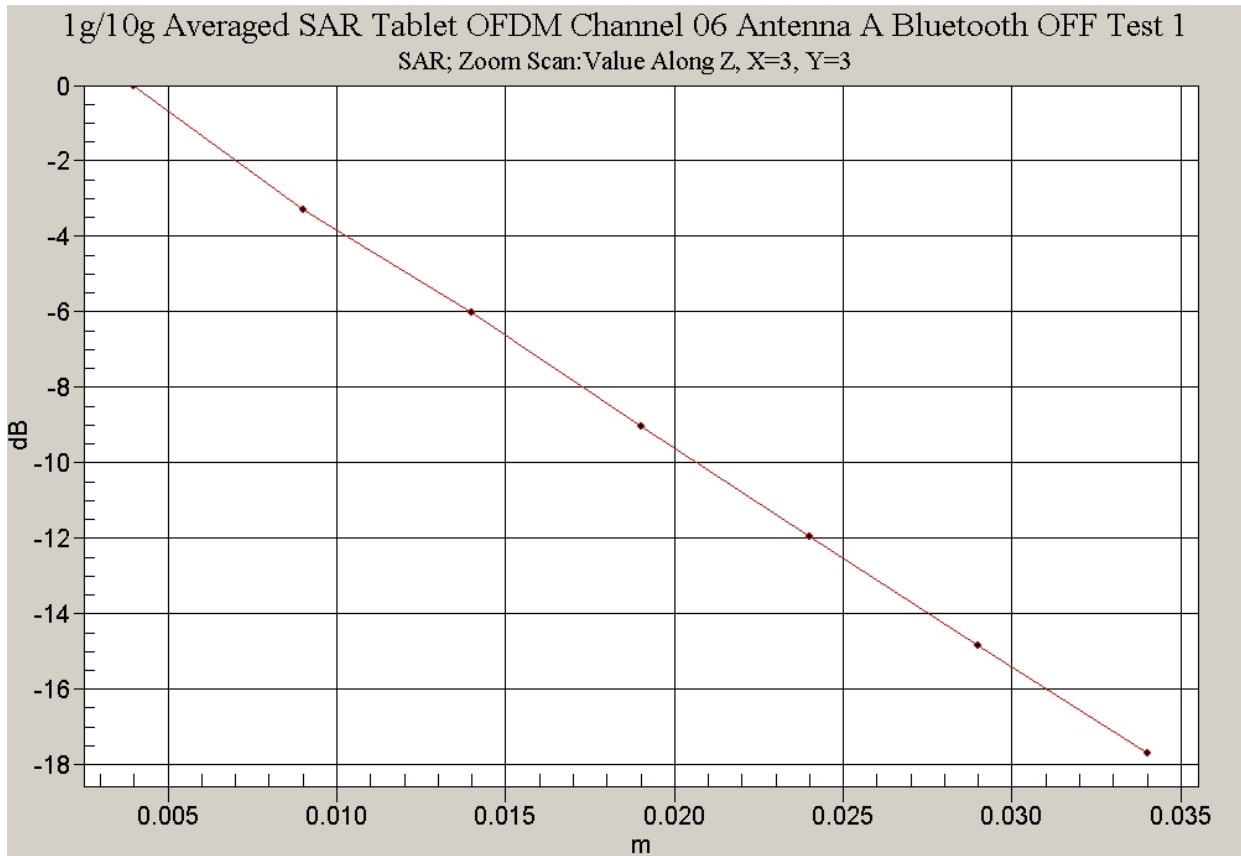
Ambient Temperature  
Liquid Temperature  
Humidity

20.0 Degrees Celsius  
19.6 Degrees Celsius  
42.0 %

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Test Date: 25 May 2005

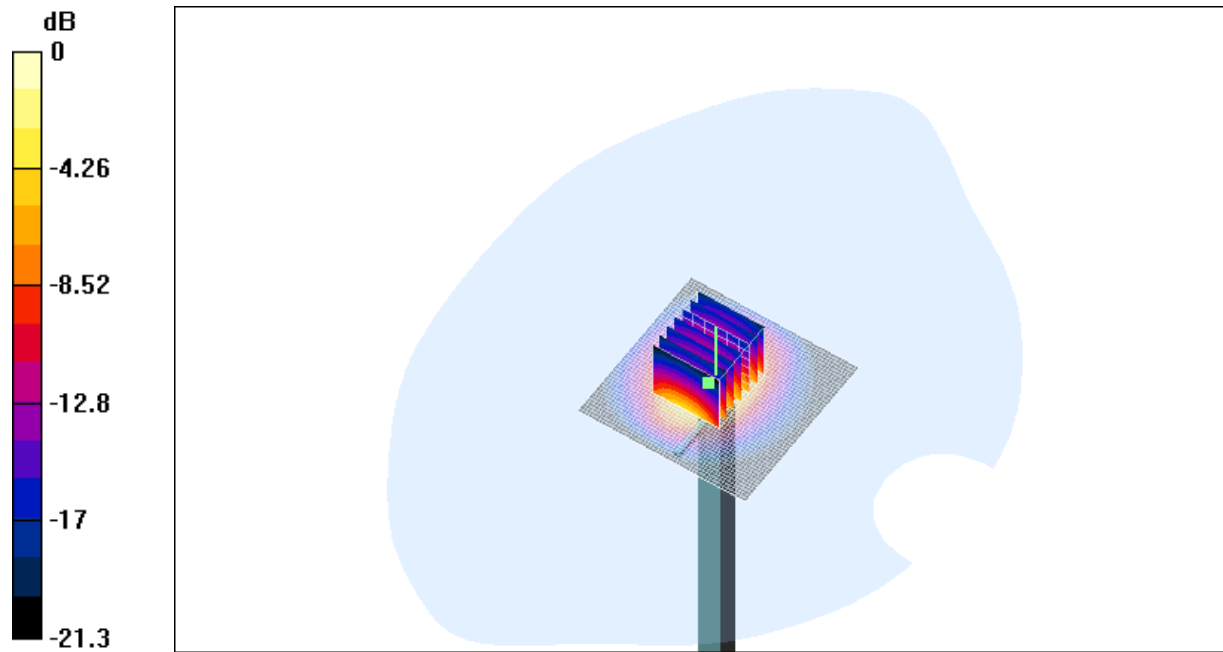
File Name: [Validation 2450 MHz \(DAE442 Probe1380\) 25-05-05.da4](#)

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

- \* Communication System: CW 2450 MHz; Frequency: 2450 MHz; Duty Cycle: 1:1
- \* Medium parameters used:  $\sigma = 1.83984$ ; mho/m,  $\epsilon_r = 40.284$ ;  $\rho = 1000 \text{ kg/m}^3$
- Electronics: DAE3 Sn442; Probe: ET3DV6 - SN1380; ConvF(4.47, 4.47, 4.47)
- 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) = 16.6 mW/g

**Channel 1 Test/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm  
 Reference Value = 93.1 V/m; Power Drift = 0.0 dB  
 Peak SAR (extrapolated) = 25.6 W/kg  
**SAR(1 g) = 12.7 mW/g; SAR(10 g) = 6.11 mW/g**  
 Maximum value of SAR (measured) = 14.3 mW/g



**SAR MEASUREMENT PLOT 11**

Ambient Temperature  
 Liquid Temperature  
 Humidity

20.4 Degrees Celsius  
 19.4 Degrees Celsius  
 49.0 %

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Test Date: 26 May 2005

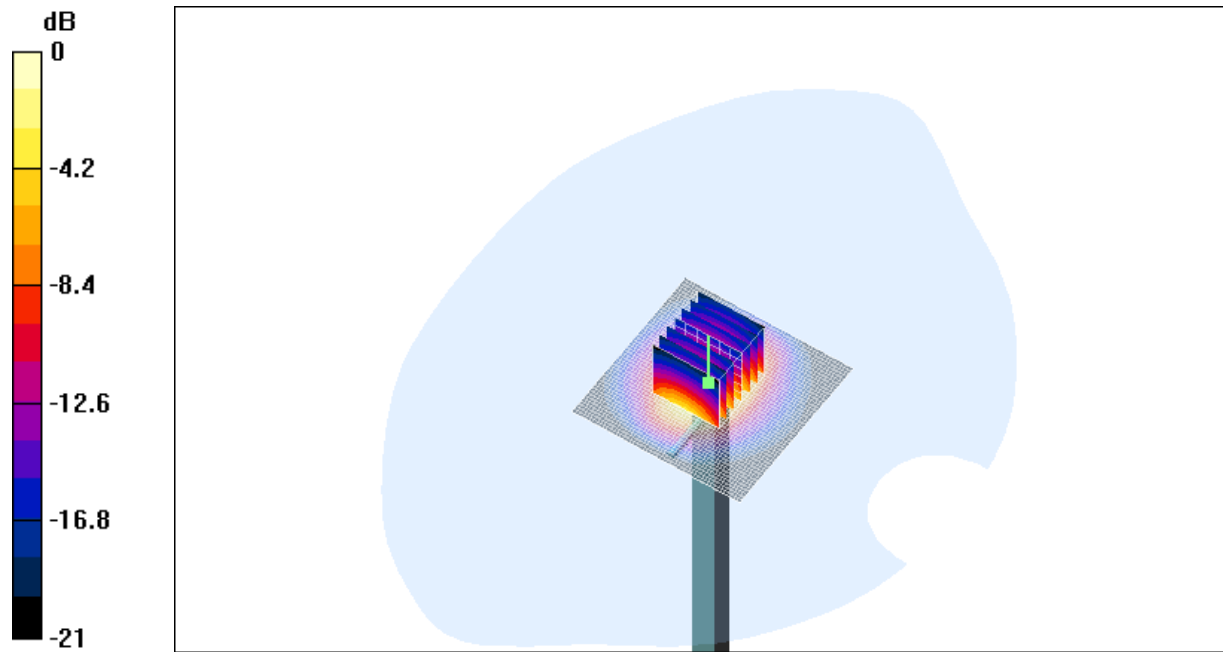
File Name: [Validation 2450 MHz \(DAE442 Probe1380\) 26-05-05.da4](#)

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

- \* Communication System: CW 2450 MHz; Frequency: 2450 MHz; Duty Cycle: 1:1
- \* Medium parameters used:  $\sigma = 1.84994$ ; mho/m,  $\epsilon_r = 40.2551$ ;  $\rho = 1000 \text{ kg/m}^3$
- Electronics: DAE3 Sn442; Probe: ET3DV6 - SN1380; ConvF(4.47, 4.47, 4.47)
- 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 mW/g

**Channel 1 Test/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm  
 Reference Value = 96.6 V/m; Power Drift = 0.0 dB  
 Peak SAR (extrapolated) = 26.7 W/kg  
**SAR(1 g) = 13.3 mW/g; SAR(10 g) = 6.37 mW/g**  
 Maximum value of SAR (measured) = 15 mW/g



0 dB = 15mW/g

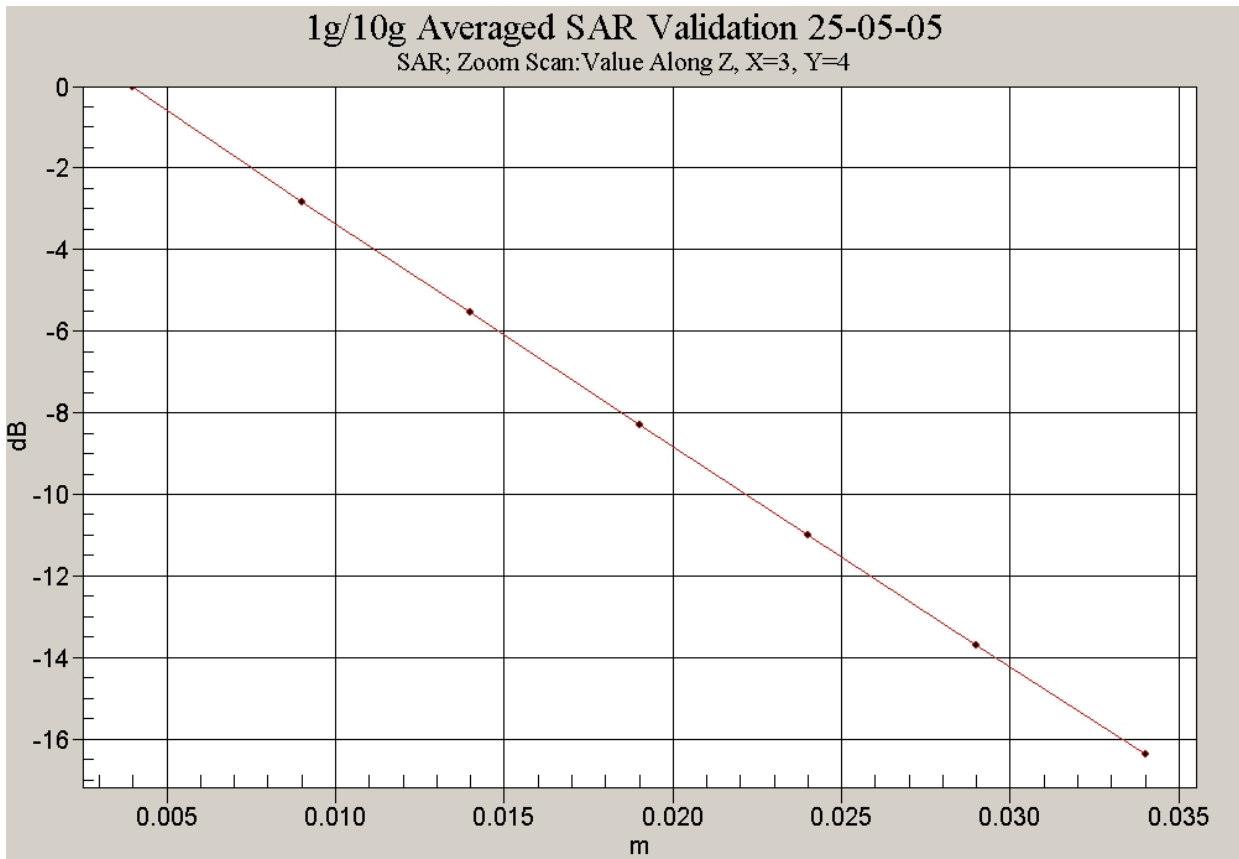
**SAR MEASUREMENT PLOT 12**

Ambient Temperature  
 Liquid Temperature  
 Humidity

20.0 Degrees Celsius  
 19.6 Degrees Celsius  
 42.0 %

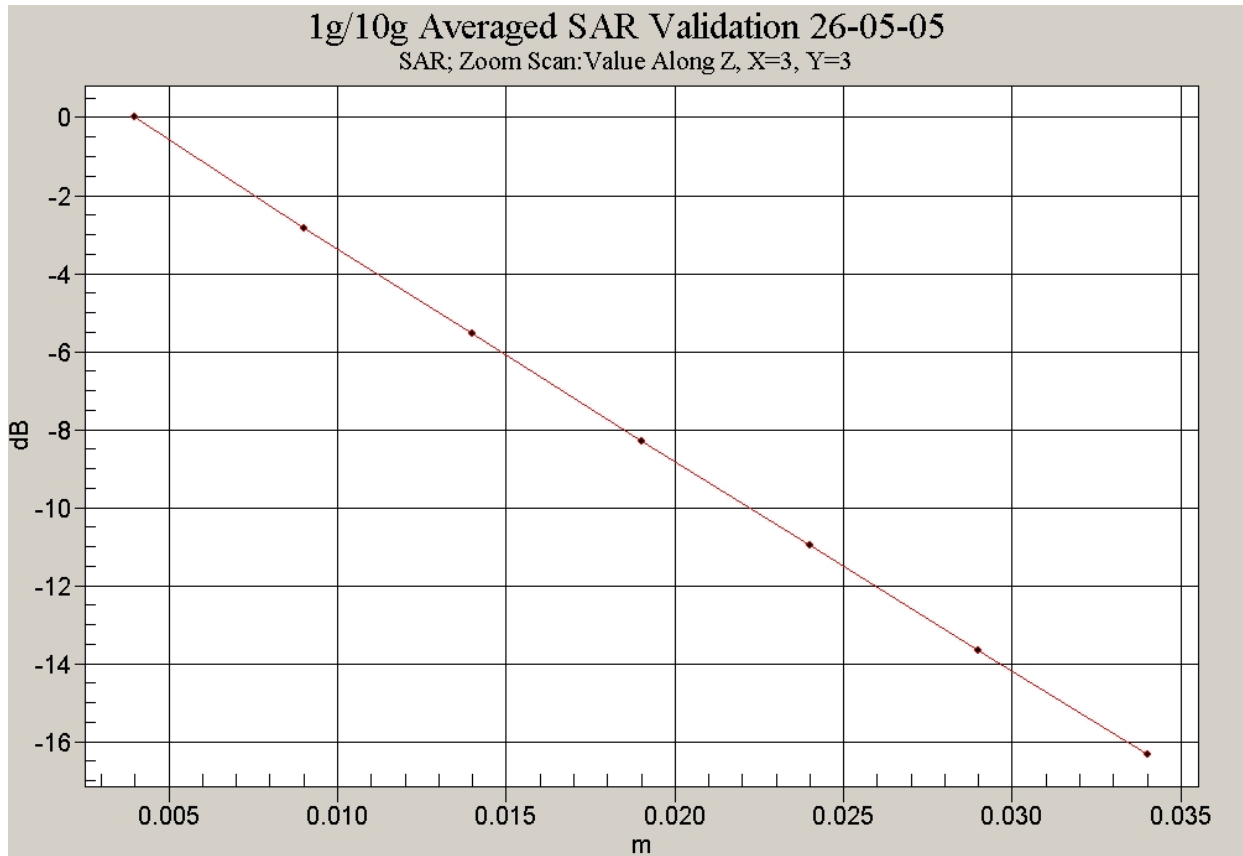
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## **APPENDIX C**

### **SAR TESTING EQUIPMENT CALIBRATION CERTIFICATE ATTACHMENTS**

#### **Calibration Certificate Attachments**

- |                                     |         |
|-------------------------------------|---------|
| 1. E-Field Probe Calibration Sheet  | 8 Pages |
| 2. 2450MHz Dipole Calibration Sheet | 5 pages |