# APPENDIX A1 TEST SETUP PHOTOGRAPHS

Tablet Position

# APPENDIX B PLOTS OF THE SAR MEASUREMENTS

Plots of the measured SAR distributions inside the phantom are given in this Appendix for all tested configurations. The spatial peak SAR values were assessed with the procedure described in this report.

**Table: 2450 MHz DSSS Band SAR Measurement Plot Numbers**

| Test Position | Plot No. | Ant | Bit rate Mode (Mbps) | Channel Bandwidth (MHz) | Test Channel |
|---|---|---|---|---|---|
| Tablet | 1 | A | 1 | - | 01 |
| | 2 | A | 1 | - | 06 |
| | 3 | A | 1 | - | 11 |
| | | | | | |
| Tablet | 4 | B | 1 | - | 06 |
| Z-Axis graphs for Plots 1 to 4 | | | | | |

**Table: 2450MHz Validation Plot**

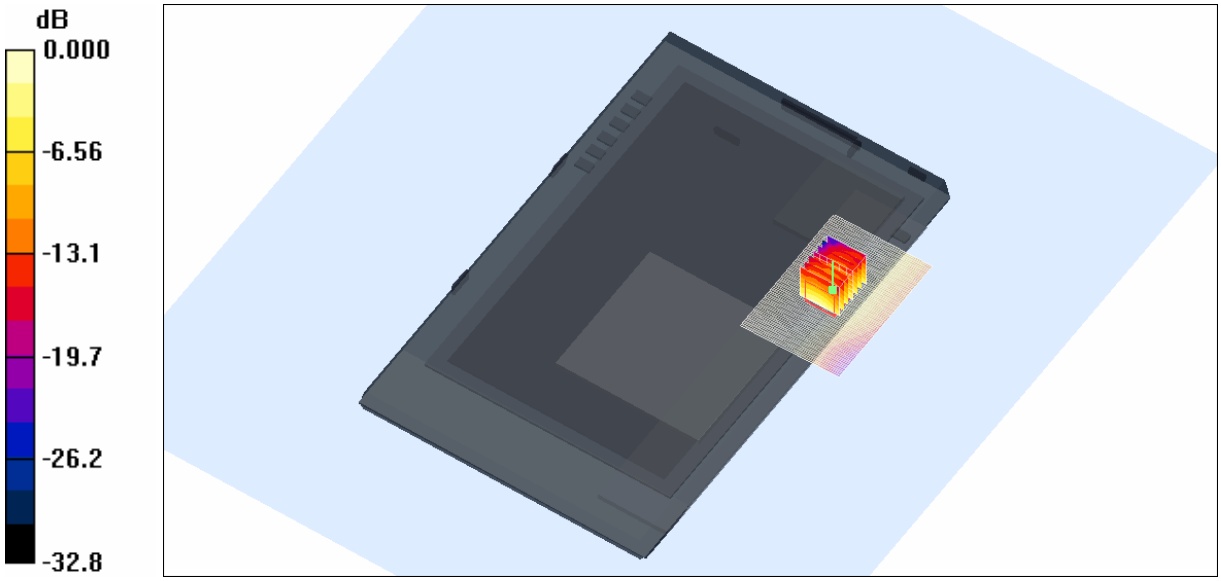
| | |
|---|---|
| Plot 5 | Validation 2450 MHz 8th September 2008 |
| | |
| Z-Axis graph for Plot 5 | |

Test Date: 08 September 2008
File Name: Tablet DSSS 2.4 GHz Antenna A 08-09-08.da4
**DUT: Fujitsu Tablet Oneya with HB92 2x2 abgn; Type: AR5BHB92; Serial: MAC:**

* Communication System: DSSS 2450 MHz; Frequency: 2412 MHz; Duty Cycle: 1:1
* Medium parameters used: f = 2412 MHz; $\sigma$ = 1.86 mho/m; $\varepsilon_r$ = 51; $\rho$ = 1000 kg/m$^3$
- Electronics: DAE3 Sn442; Probe: ET3DV6 - SN1380; ConvF(4.18, 4.18, 4.18)
- Phantom: Flat Phantom 10.1; Serial: P 10.1; Phantom section: Flat 2.2 Section

**Channel 1 Test/Area Scan (51x71x1):** Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.080 mW/g

**Channel 1 Test/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 4.91 V/m; Power Drift = 0.163 dB
Peak SAR (extrapolated) = 0.161 W/kg
**SAR(1 g) = 0.074 mW/g; SAR(10 g) = 0.039 mW/g**
Maximum value of SAR (measured) = 0.080 mW/g




0 dB = 0.080mW/g

SAR MEASUREMENT PLOT 1

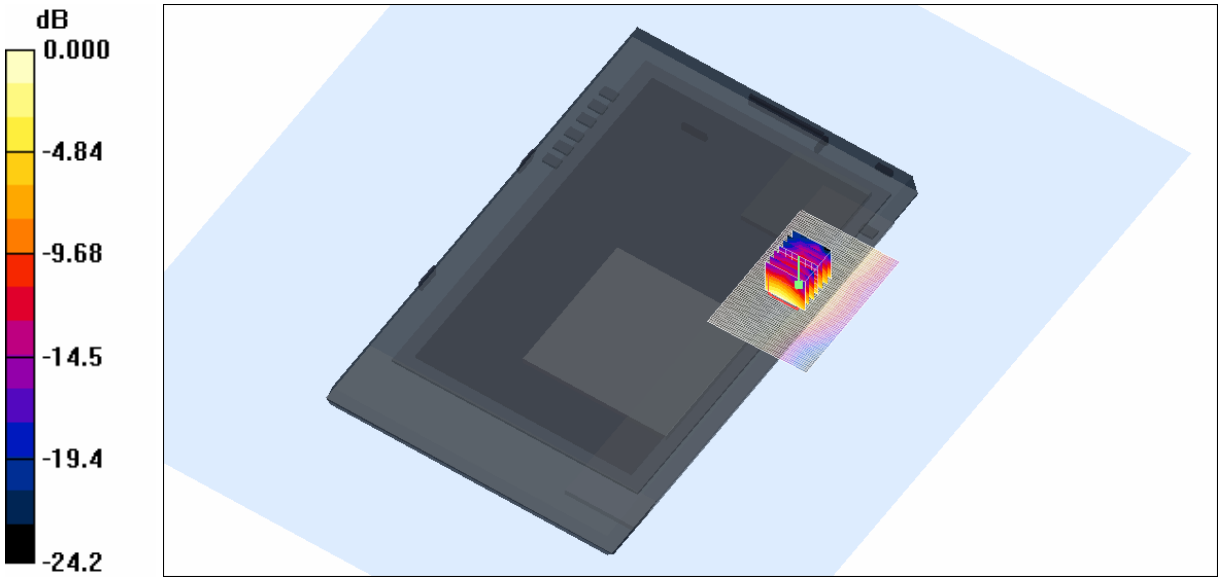
| | |
|---|---|
| **Ambient Temperature** | **20.7 Degrees Celsius** |
| **Liquid Temperature** | **20.5 Degrees Celsius** |
| **Humidity** | **47.0 %** |

Test Date: 08 September 2008
File Name: Tablet DSSS 2.4 GHz Antenna A 08-09-08.da4
**DUT: Fujitsu Tablet Oneya with HB92 2x2 abgn; Type: AR5BHB92; Serial: MAC:**

* Communication System: DSSS 2450 MHz; Frequency: 2437 MHz; Duty Cycle: 1:1
* Medium parameters used: f = 2436 MHz; $\sigma$ = 1.89 mho/m; $\varepsilon_r$ = 50.9; $\rho$ = 1000 kg/m$^3$
- Electronics: DAE3 Sn442; Probe: ET3DV6 - SN1380; ConvF(4.18, 4.18, 4.18)
- Phantom: Flat Phantom 10.1; Serial: P 10.1; Phantom section: Flat 2.2 Section

**Channel 6 Test/Area Scan (51x71x1):** Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.075 mW/g

**Channel 6 Test/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 4.30 V/m; Power Drift = 0.238 dB
Peak SAR (extrapolated) = 0.156 W/kg
**SAR(1 g) = 0.072 mW/g; SAR(10 g) = 0.037 mW/g**
Maximum value of SAR (measured) = 0.075 mW/g




0 dB = 0.075mW/g

SAR MEASUREMENT PLOT 2

| | |
|---|---|
| **Ambient Temperature** | **20.7 Degrees Celsius** |
| **Liquid Temperature** | **20.5 Degrees Celsius** |
| **Humidity** | **47.0 %** |

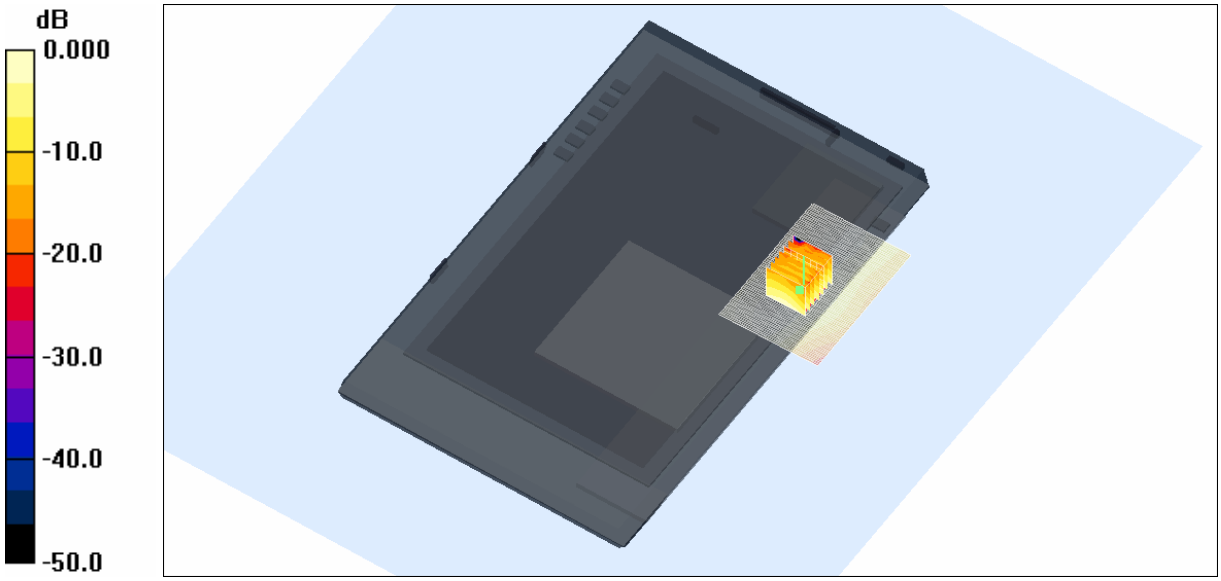
## Test Date: 08 September 2008

File Name: Tablet DSSS 2.4 GHz Antenna A 08-09-08.da4
**DUT: Fujitsu Tablet Oneya with HB92 2x2 abgn; Type: AR5BHB92; Serial: MAC:**

* Communication System: DSSS 2450 MHz; Frequency: 2462 MHz; Duty Cycle: 1:1
* Medium parameters used: f = 2462 MHz; $\sigma$ = 1.93 mho/m; $\varepsilon_r$ = 50.7; $\rho$ = 1000 kg/m$^3$
- Electronics: DAE3 Sn442; Probe: ET3DV6 - SN1380; ConvF(4.18, 4.18, 4.18)
- Phantom: Flat Phantom 10.1; Serial: P 10.1; Phantom section: Flat 2.2 Section

**Channel 11 Test/Area Scan (51x71x1):** Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.075 mW/g

**Channel 11 Test/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 4.62 V/m; Power Drift = 0.008 dB
Peak SAR (extrapolated) = 0.146 W/kg
**SAR(1 g) = 0.070 mW/g; SAR(10 g) = 0.037 mW/g**
Maximum value of SAR (measured) = 0.075 mW/g




0 dB = 0.075mW/g

SAR MEASUREMENT PLOT 3

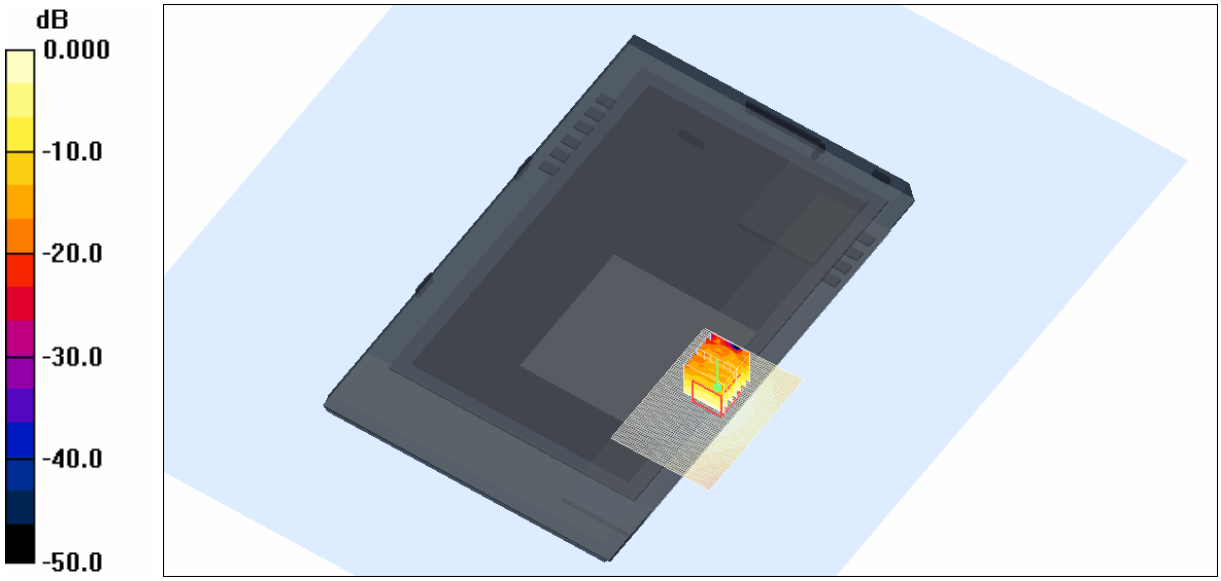
| | |
|---|---|
| **Ambient Temperature** | **20.7 Degrees Celsius** |
| **Liquid Temperature** | **20.5 Degrees Celsius** |
| **Humidity** | **47.0 %** |

Test Date: 08 September 2008
File Name: Tablet DSSS 2.4 GHz Antenna B 08-09-08.da4
**DUT: Fujitsu Tablet Oneya with HB92 2x2 abgn; Type: AR5BHB92; Serial: MAC:**

* Communication System: DSSS 2450 MHz; Frequency: 2437 MHz; Duty Cycle: 1:1
* Medium parameters used: f = 2436 MHz; $\sigma$ = 1.89 mho/m; $\varepsilon_r$ = 50.9; $\rho$ = 1000 kg/m$^3$
- Electronics: DAE3 Sn442; Probe: ET3DV6 - SN1380; ConvF(4.18, 4.18, 4.18)
- Phantom: Flat Phantom 10.1; Serial: P 10.1; Phantom section: Flat 2.2 Section

**Channel 6 Test/Area Scan (51x71x1):** Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.063 mW/g

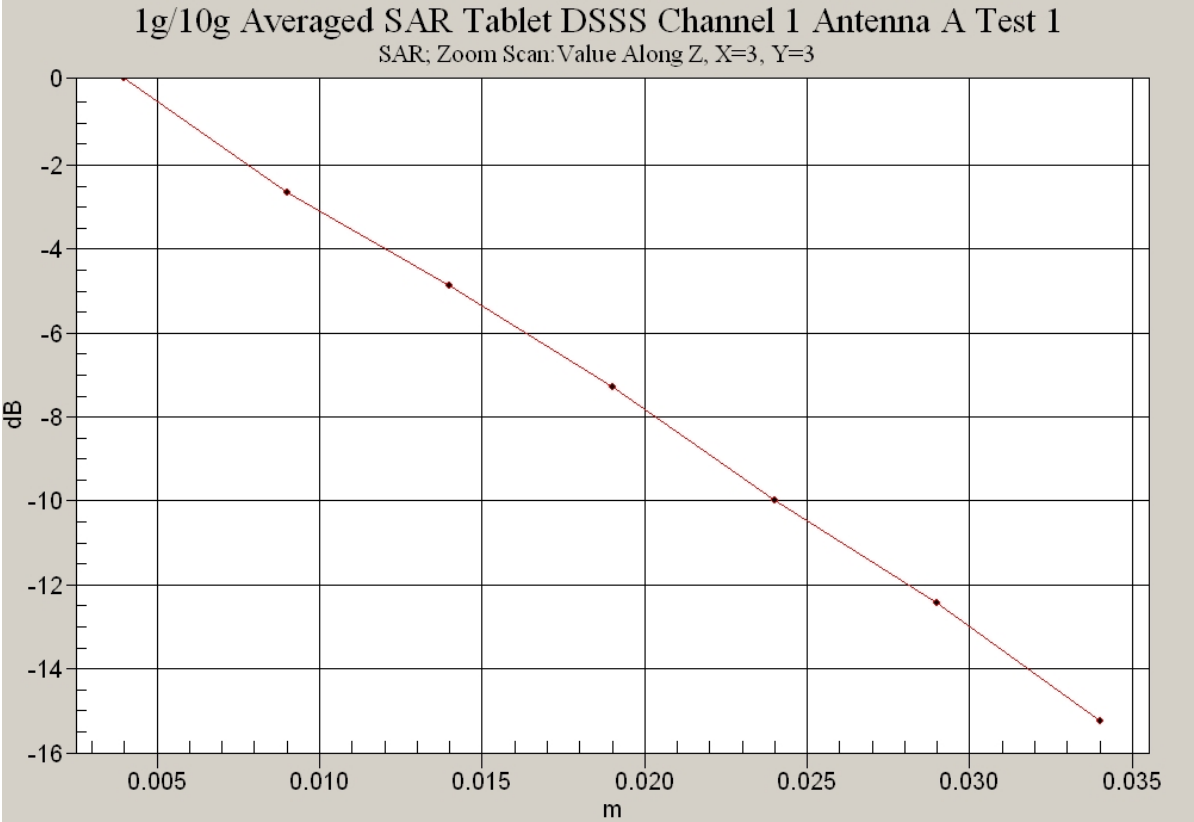
**Channel 6 Test/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 4.72 V/m; Power Drift = 0.225 dB
Peak SAR (extrapolated) = 0.133 W/kg
**SAR(1 g) = 0.058 mW/g; SAR(10 g) = 0.030 mW/g**
Maximum value of SAR (measured) = 0.062 mW/g

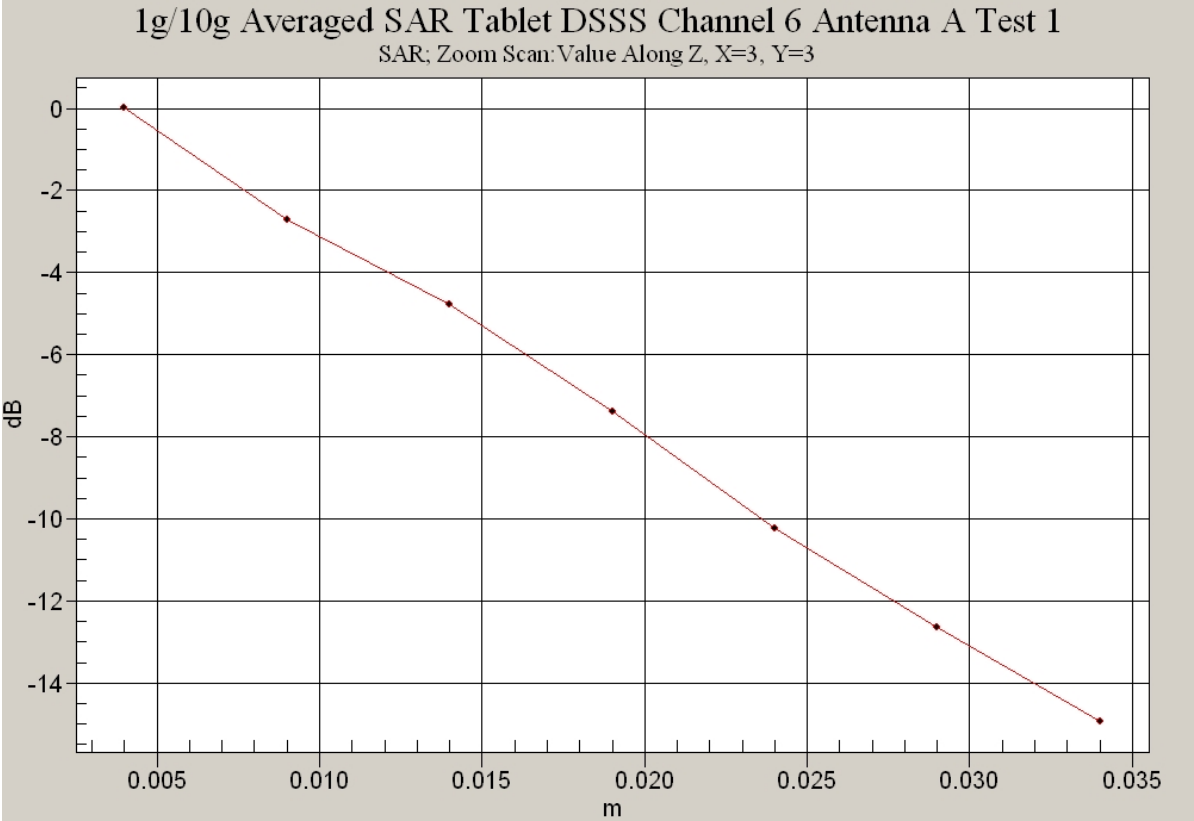


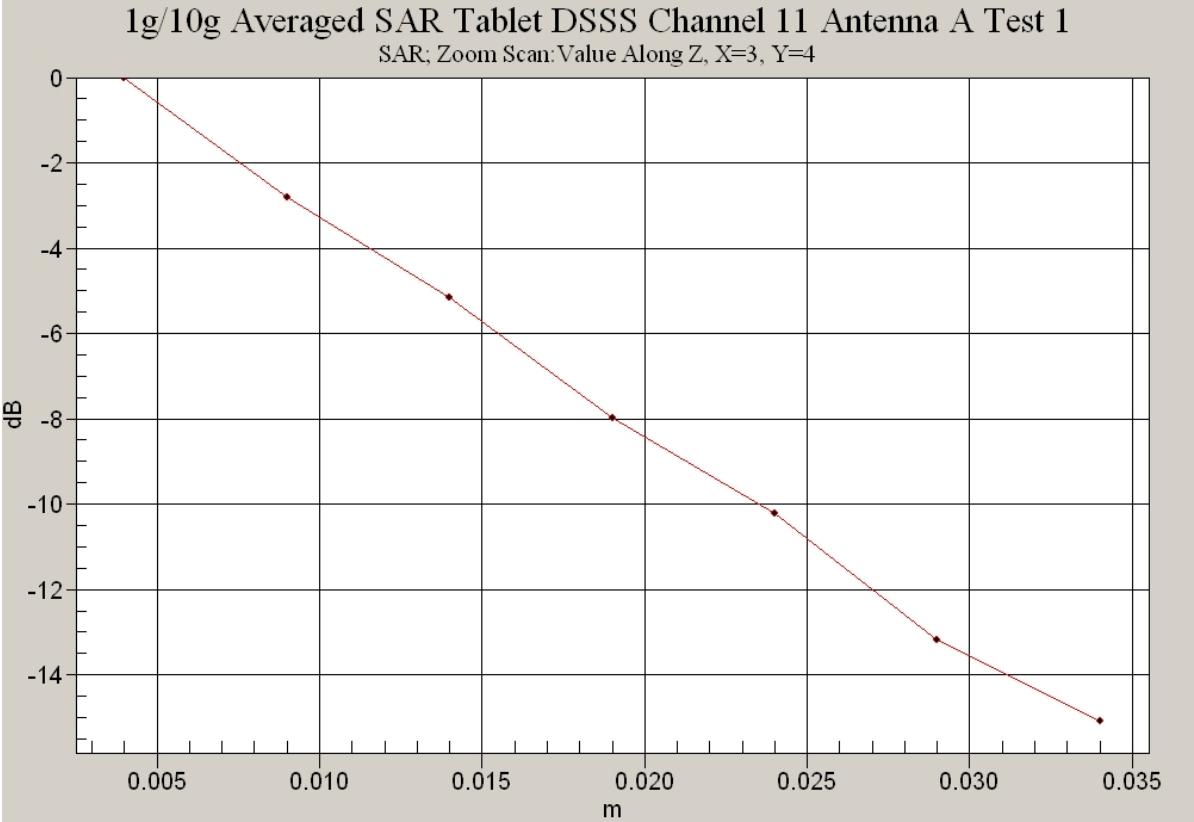

0 dB = 0.062mW/g

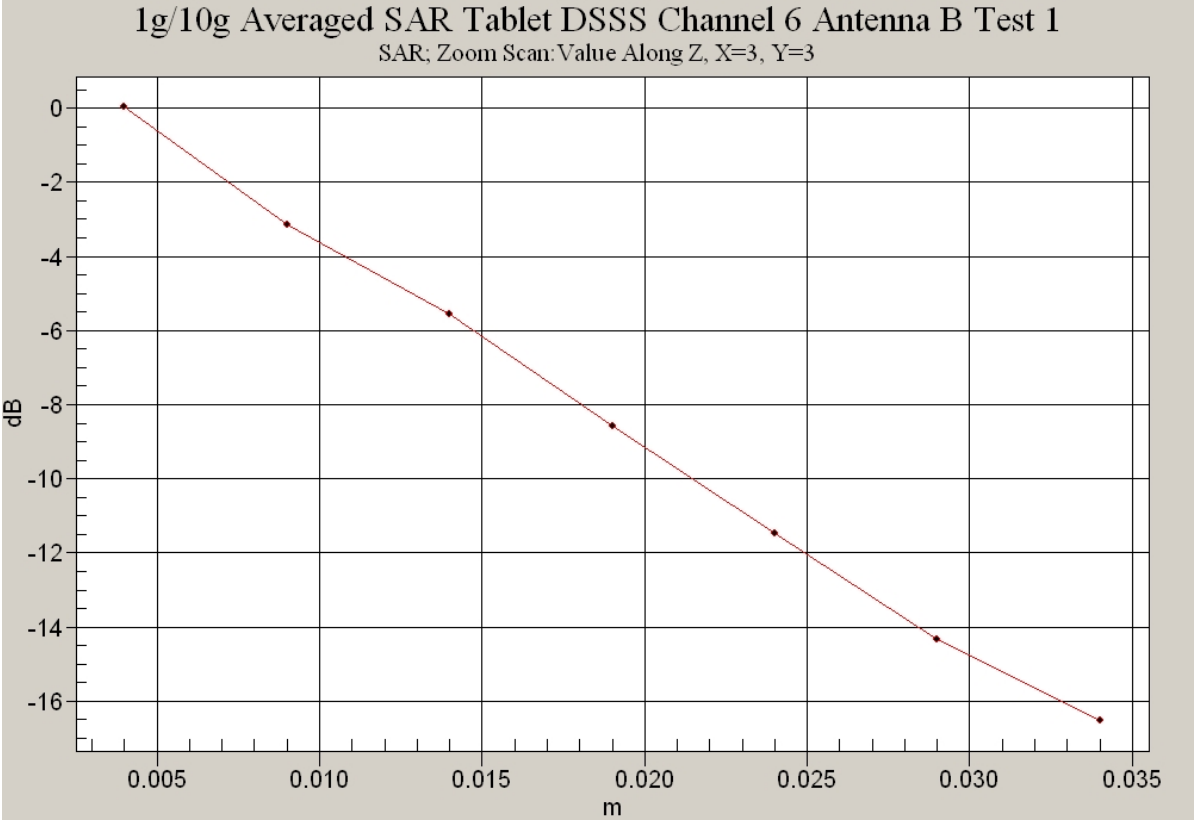
SAR MEASUREMENT PLOT 4

| | |
|---|---|
| **Ambient Temperature** | **20.7 Degrees Celsius** |
| **Liquid Temperature** | **20.5 Degrees Celsius** |
| **Humidity** | **47.0 %** |





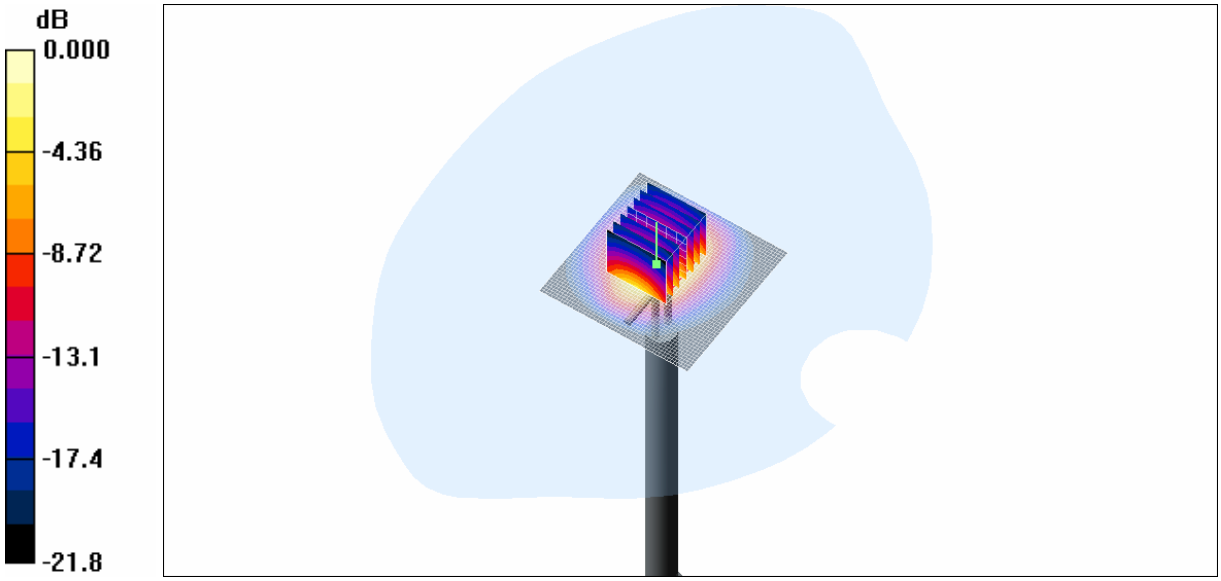



Test Date: 08 September 2008
File Name: Validation 2450 MHz (DAE442 Probe1380) 08-09-08.da4
**DUT: Dipole 2450 MHz; Type: DV2450V2; Serial: 724**

* Communication System: CW 2450 MHz; Frequency: 2450 MHz; Duty Cycle: 1:1
* Medium parameters used: f = 2450 MHz; $\sigma$ = 1.77 mho/m; $\varepsilon_r$ = 39.4; $\rho$ = 1000 kg/m$^3$
- Electronics: DAE3 Sn442; Probe: ET3DV6 - SN1380; ConvF(4.55, 4.55, 4.55)
- 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) = 18.3 mW/g

**Channel 1 Test/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 98.1 V/m; Power Drift = 0.012 dB
Peak SAR (extrapolated) = 30.0 W/kg
**SAR(1 g) = 13.9 mW/g; SAR(10 g) = 6.56 mW/g**
Maximum value of SAR (measured) = 15.4 mW/g




0 dB = 15.4mW/g

SAR MEASUREMENT PLOT 5

| | |
|---|---|
| **Ambient Temperature** | **20.7 Degrees Celsius** |
| **Liquid Temperature** | **20.5 Degrees Celsius** |
| **Humidity** | **47.0 %** |