

Test Date: 08 August 2006

File Name: [Tablet DSSS 2450 MHz Antenna B Bluetooth On Prescan 08-08-06.da4](#)

DUT: Fujitsu Tablet Chalice with Atheros 11abg and Bluetooth; Type: XB62; Serial: Host: R6700013

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

\* Medium parameters used:  $\sigma = 1.95564$  mho/m,  $\epsilon_r = 51.3032$ ;  $\rho = 1000$  kg/m<sup>3</sup>

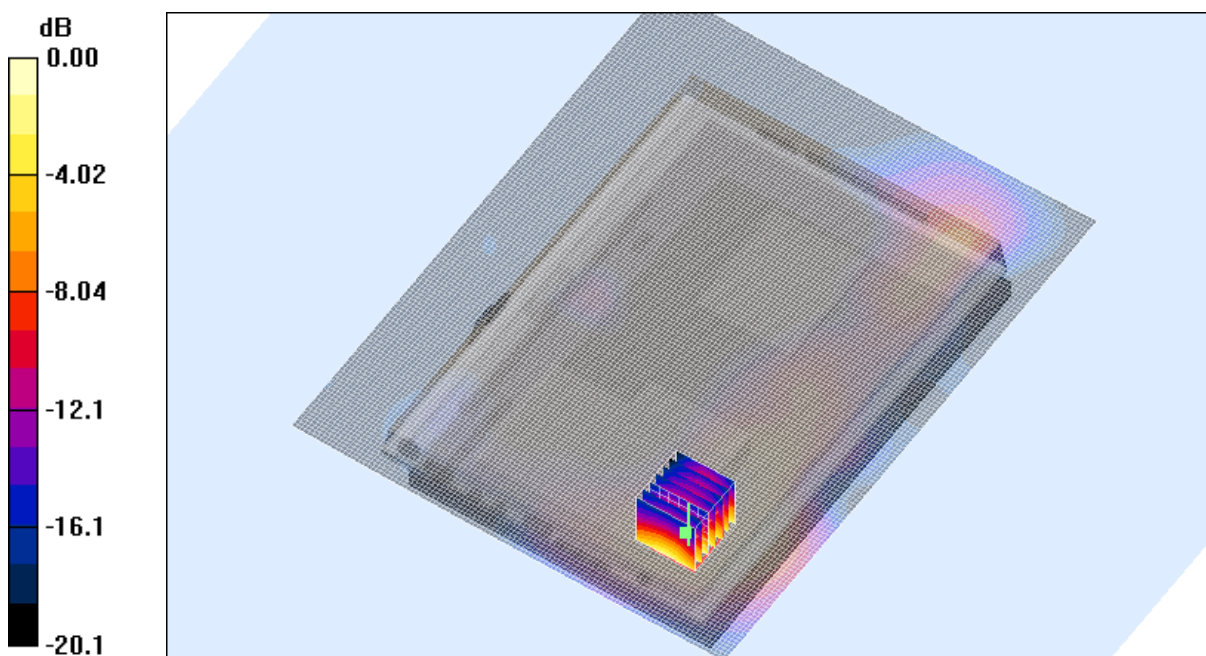
- Electronics: DAE3 Sn442; Probe: ET3DV6 - SN1377; ConvF(4.2, 4.2, 4.2)

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

**Channel 6 Bluetooth at 2441 MHz Test/Area Scan (111x141x1):** Measurement grid:

dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.132 mW/g



0 dB = 0.136mW/g

**SAR MEASUREMENT PLOT 7**

Ambient Temperature  
Liquid Temperature  
Humidity

20.2 Degrees Celsius  
19.8 Degrees Celsius  
37.0 %

Test Date: 08 August 2006

File Name: [Edge On DSSS 2450 MHz Antenna B Side Bluetooth Off 08-08-06.da4](#)

DUT: Fujitsu Tablet Chalice with Atheros 11abg and Bluetooth; Type: XB62; Serial: Host: R6700013

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

\* Medium parameters used:  $\sigma = 1.91369$  mho/m,  $\epsilon_r = 51.4243$ ;  $\rho = 1000$  kg/m<sup>3</sup>

- Electronics: DAE3 Sn442; Probe: ET3DV6 - SN1377; ConvF(4.2, 4.2, 4.2)

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

**Channel 1 Test/Area Scan (81x201x1):** Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.161 mW/g

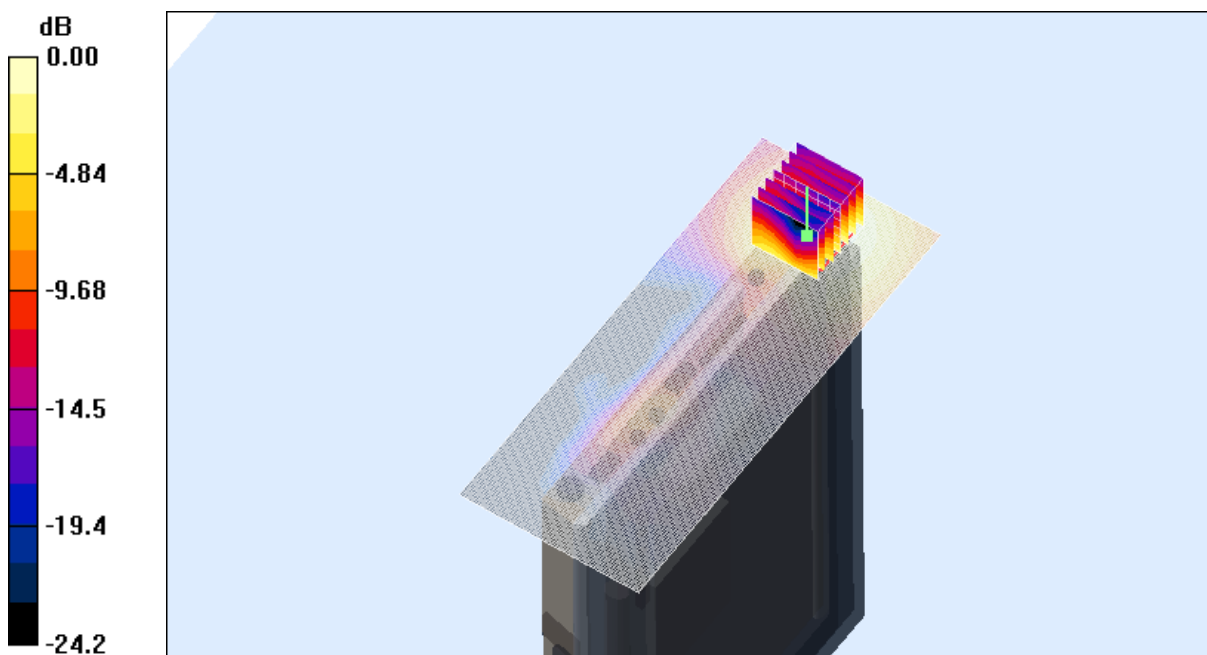
**Channel 1 Test/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 7.65 V/m; Power Drift = -0.087 dB

Peak SAR (extrapolated) = 0.341 W/kg

**SAR(1 g) = 0.147 mW/g; SAR(10 g) = 0.075 mW/g**

Maximum value of SAR (measured) = 0.162 mW/g



0 dB = 0.162mW/g

**SAR MEASUREMENT PLOT 8**

Ambient Temperature

20.2 Degrees Celsius

Liquid Temperature

19.8 Degrees Celsius

Humidity

37.0 %

Test Date: 08 August 2006

File Name: [Edge On DSSS 2450 MHz Antenna B Side Bluetooth Off 08-08-06.da4](#)

DUT: Fujitsu Tablet Chalice with Atheros 11abg and Bluetooth; Type: XB62; Serial: Host: R6700013

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

\* Medium parameters used:  $\sigma = 1.95564$  mho/m,  $\epsilon_r = 51.3032$ ;  $\rho = 1000$  kg/m<sup>3</sup>

- Electronics: DAE3 Sn442; Probe: ET3DV6 - SN1377; ConvF(4.2, 4.2, 4.2)

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

**Channel 6 Test/Area Scan (81x201x1):** Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.179 mW/g

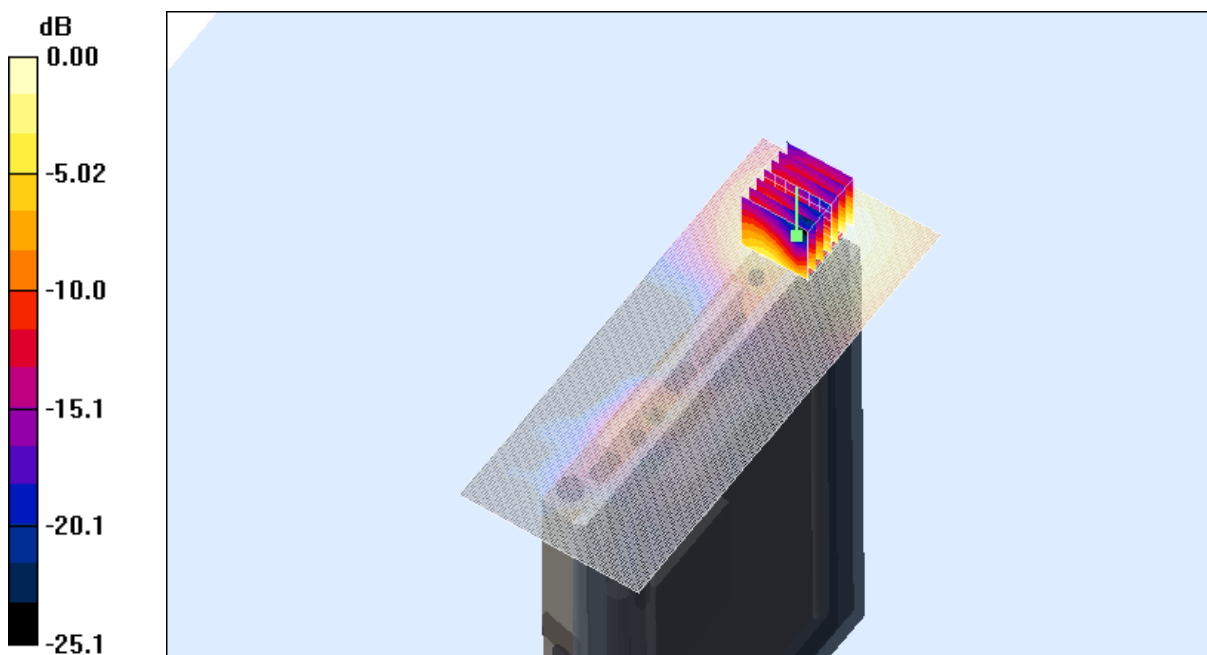
**Channel 6 Test/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 7.49 V/m; Power Drift = 0.110 dB

Peak SAR (extrapolated) = 0.356 W/kg

**SAR(1 g) = 0.166 mW/g; SAR(10 g) = 0.083 mW/g**

Maximum value of SAR (measured) = 0.185 mW/g



0 dB = 0.185mW/g

**SAR MEASUREMENT PLOT 9**

Ambient Temperature  
Liquid Temperature  
Humidity

20.2 Degrees Celsius  
19.8 Degrees Celsius  
37.0 %

Test Date: 08 August 2006

File Name: [Edge On DSSS 2450 MHz Antenna B Side Bluetooth Off 08-08-06.da4](#)

DUT: Fujitsu Tablet Chalice with Atheros 11abg and Bluetooth; Type: XB62; Serial: Host: R6700013

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

\* Medium parameters used:  $\sigma = 1.99267$  mho/m,  $\epsilon_r = 51.1729$ ;  $\rho = 1000$  kg/m<sup>3</sup>

- Electronics: DAE3 Sn442; Probe: ET3DV6 - SN1377; ConvF(4.2, 4.2, 4.2)

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

**Channel 11 Test/Area Scan (81x201x1):** Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.203 mW/g

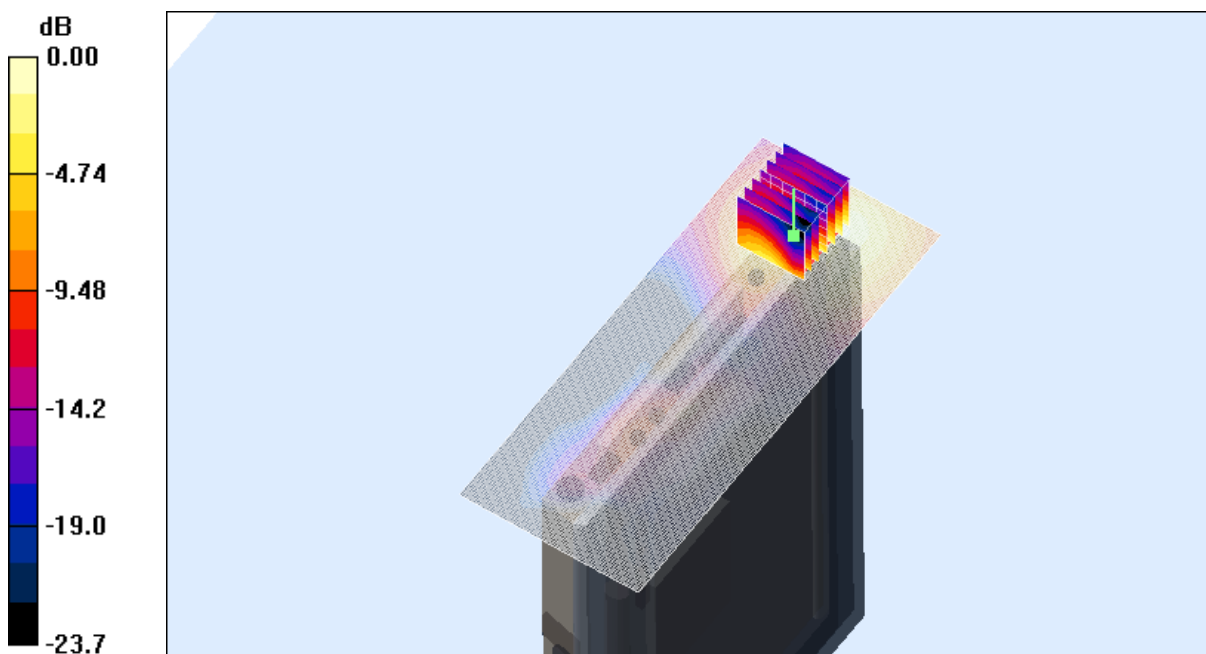
**Channel 11 Test/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 7.56 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 0.412 W/kg

**SAR(1 g) = 0.186 mW/g; SAR(10 g) = 0.090 mW/g**

Maximum value of SAR (measured) = 0.212 mW/g



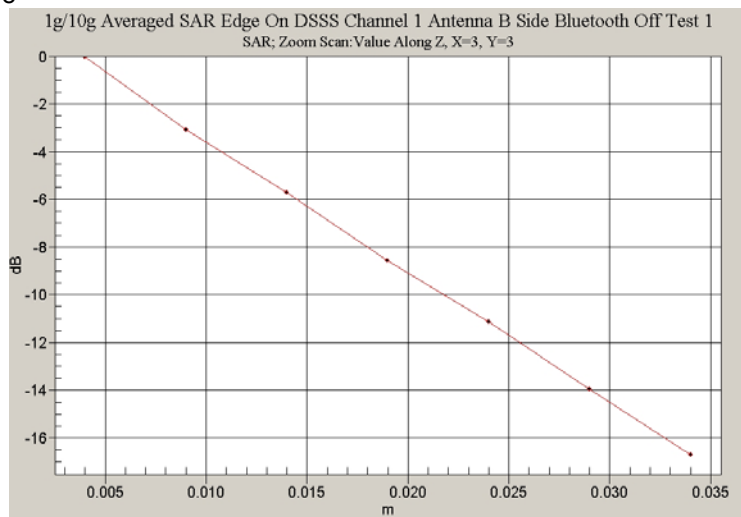
0 dB = 0.212mW/g

**SAR MEASUREMENT PLOT 10**

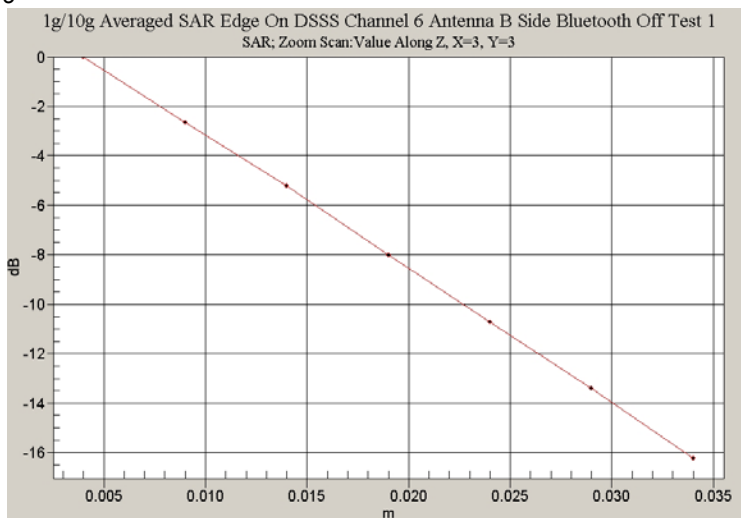
Ambient Temperature  
Liquid Temperature  
Humidity

20.2 Degrees Celsius  
19.8 Degrees Celsius  
37.0 %

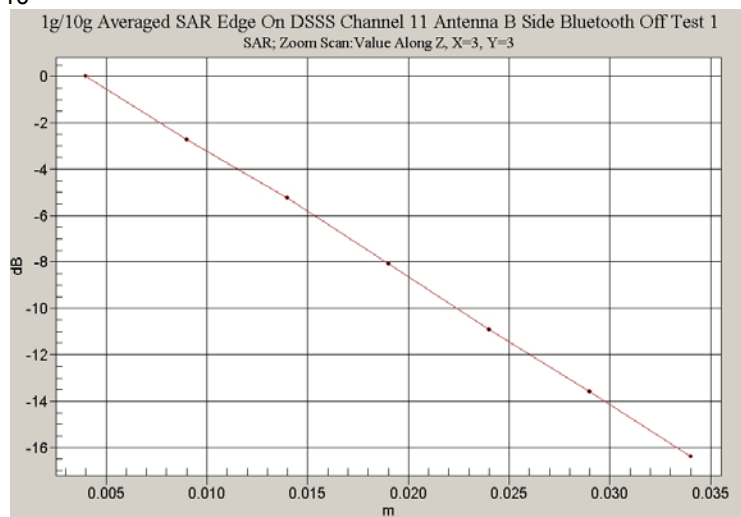
Z-Axis Graph for Plot 8



Z-Axis Graph for Plot 9



Z-Axis Graph for Plot 10



Test Date: 08 August 2006

File Name: [Arm Held DSSS 2450 MHz Antenna B Bluetooth On 08-08-06.da4](#)

DUT: Fujitsu Tablet Chalice with Atheros 11abg and Bluetooth; Type: XB62; Serial: Host: R6700013

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

\* Medium parameters used:  $\sigma = 1.95564$  mho/m,  $\epsilon_r = 51.3032$ ;  $\rho = 1000$  kg/m<sup>3</sup>

- Electronics: DAE3 Sn442; Probe: ET3DV6 - SN1377; ConvF(4.2, 4.2, 4.2)

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

**Channel 6 Test/Area Scan (61x81x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.655 mW/g

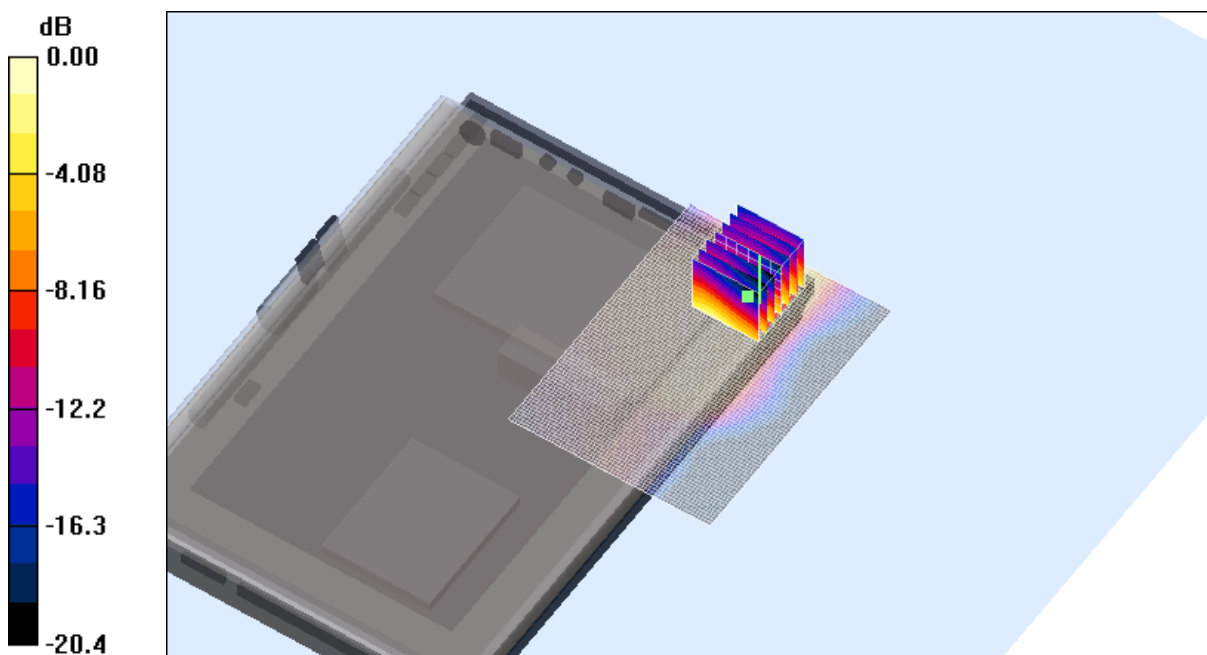
**Channel 6 Test/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 13.8 V/m; Power Drift = -0.202 dB

Peak SAR (extrapolated) = 1.46 W/kg

**SAR(1 g) = 0.621 mW/g; SAR(10 g) = 0.323 mW/g**

Maximum value of SAR (measured) = 0.663 mW/g



0 dB = 0.663mW/g

**SAR MEASUREMENT PLOT 11**

Ambient Temperature

20.2 Degrees Celsius

Liquid Temperature

19.8 Degrees Celsius

Humidity

37.0 %

Test Date: 08 August 2006

File Name: [Edge On DSSS 2450 MHz Antenna B Side Bluetooth On 08-08-06.da4](#)

DUT: Fujitsu Tablet Chalice with Atheros 11abg and Bluetooth; Type: XB62; Serial: Host: R6700013

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

\* Medium parameters used:  $\sigma = 1.99267$  mho/m,  $\epsilon_r = 51.1729$ ;  $\rho = 1000$  kg/m<sup>3</sup>

- Electronics: DAE3 Sn442; Probe: ET3DV6 - SN1377; ConvF(4.2, 4.2, 4.2)

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

**Channel 11 Test/Area Scan (81x201x1):** Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.191 mW/g

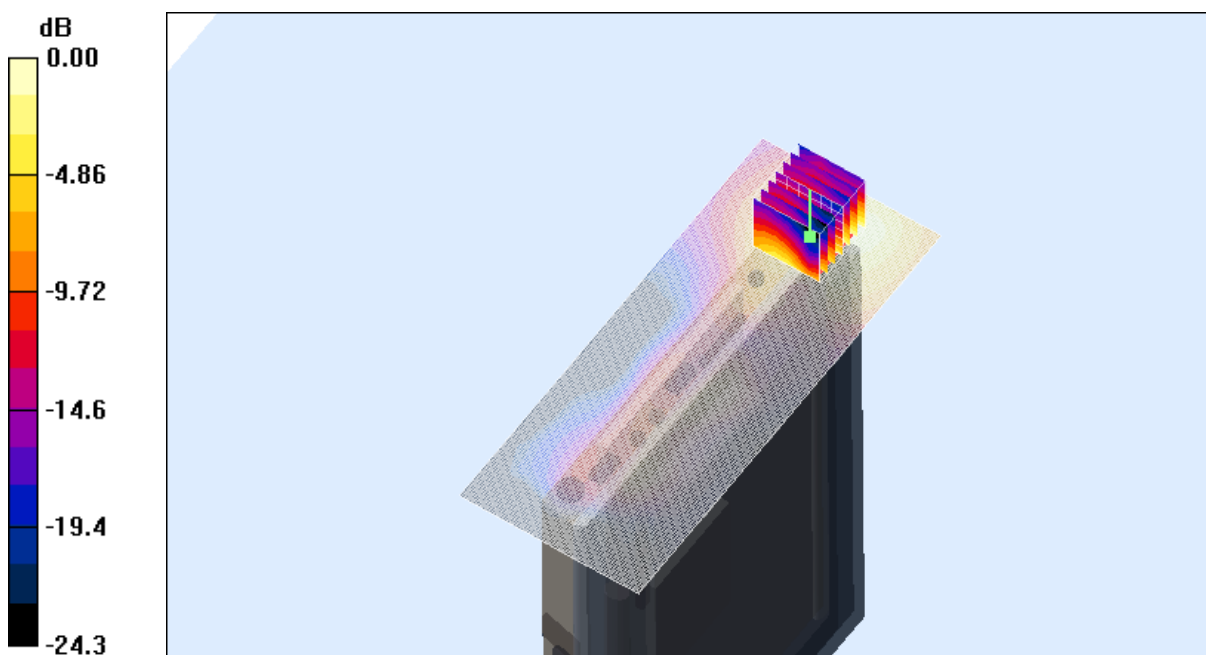
**Channel 11 Test/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 6.81 V/m; Power Drift = 0.202 dB

Peak SAR (extrapolated) = 0.362 W/kg

**SAR(1 g) = 0.174 mW/g; SAR(10 g) = 0.084 mW/g**

Maximum value of SAR (measured) = 0.200 mW/g



0 dB = 0.200mW/g

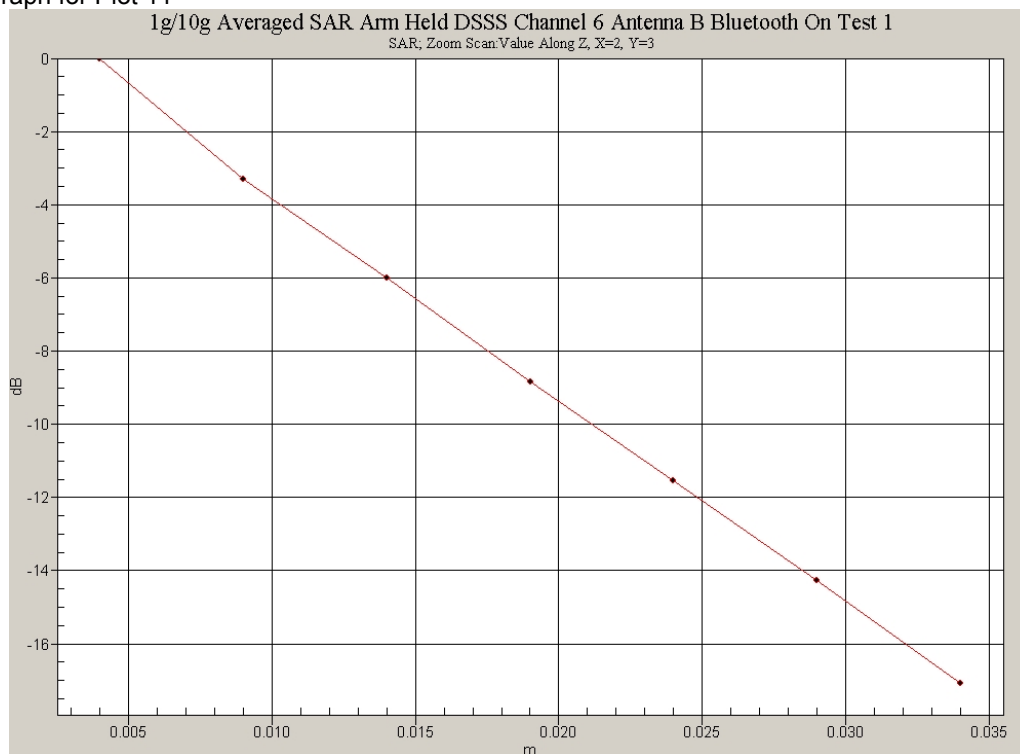
**SAR MEASUREMENT PLOT 12**

Ambient Temperature  
Liquid Temperature  
Humidity

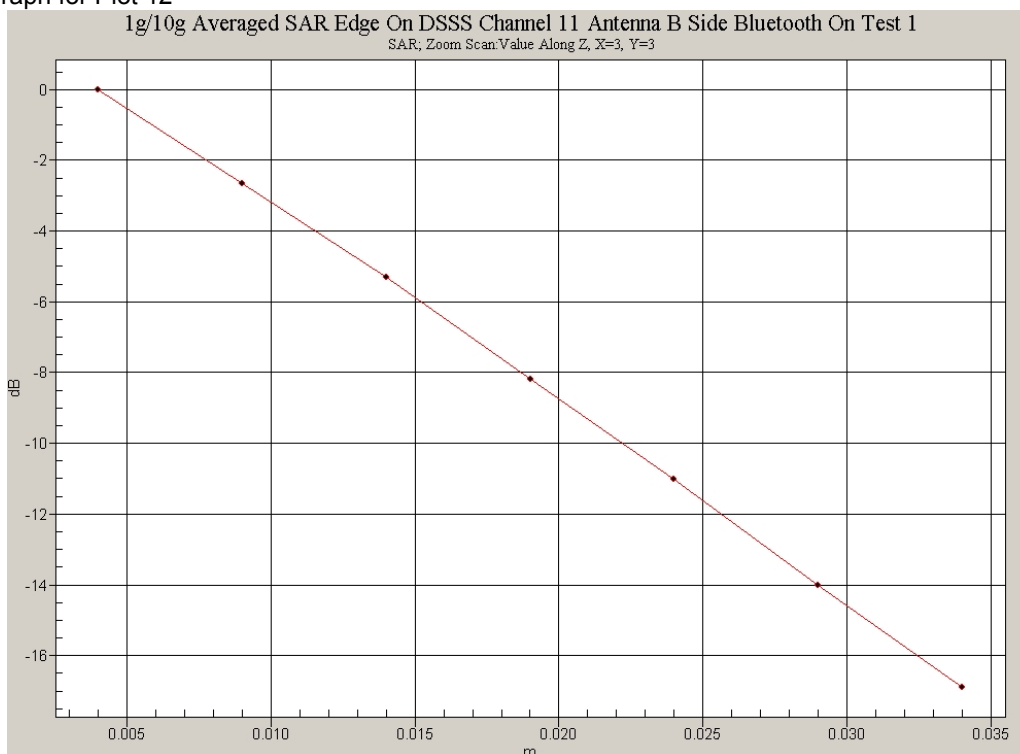
20.2 Degrees Celsius  
19.8 Degrees Celsius  
37.0 %



Z-Axis Graph for Plot 11



Z-Axis Graph for Plot 12





Test Date: 08 August 2006

File Name: [Arm Held OFDM 2450 MHz Antenna A Bluetooth Off 08-08-06.da4](#)

DUT: Fujitsu Tablet Chalice with Atheros 11abg and Bluetooth; Type: XB62; Serial: Host: R6700013

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

\* Medium parameters used:  $\sigma = 1.95564$  mho/m,  $\epsilon_r = 51.3032$ ;  $\rho = 1000$  kg/m<sup>3</sup>

- Electronics: DAE3 Sn442; Probe: ET3DV6 - SN1377; ConvF(4.2, 4.2, 4.2)

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

**Channel 6 Test/Area Scan (61x81x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.021 mW/g

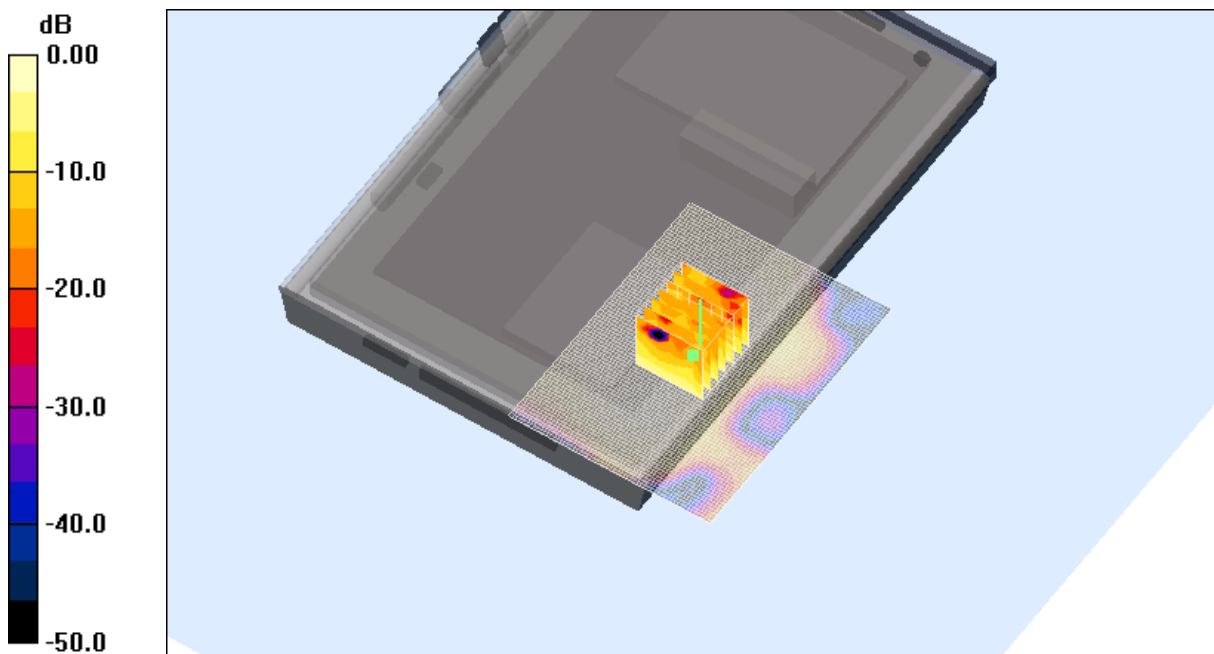
**Channel 6 Test/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 2.28 V/m; Power Drift = -0.319 dB

Peak SAR (extrapolated) = 0.044 W/kg

**SAR(1 g) = 0.018 mW/g; SAR(10 g) = 0.00849 mW/g**

Maximum value of SAR (measured) = 0.019 mW/g



0 dB = 0.019mW/g

**SAR MEASUREMENT PLOT 13**

Ambient Temperature  
Liquid Temperature  
Humidity

20.2 Degrees Celsius  
19.8 Degrees Celsius  
37.0 %

Test Date: 08 August 2006

File Name: [Arm Held OFDM 2450 MHz Antenna B Bluetooth Off 08-08-06.da4](#)

DUT: Fujitsu Tablet Chalice with Atheros 11abg and Bluetooth; Type: XB62; Serial: Host: R6700013

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

\* Medium parameters used:  $\sigma = 1.95564$  mho/m,  $\epsilon_r = 51.3032$ ;  $\rho = 1000$  kg/m<sup>3</sup>

- Electronics: DAE3 Sn442; Probe: ET3DV6 - SN1377; ConvF(4.2, 4.2, 4.2)

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

**Channel 6 Test/Area Scan (61x81x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.041 mW/g

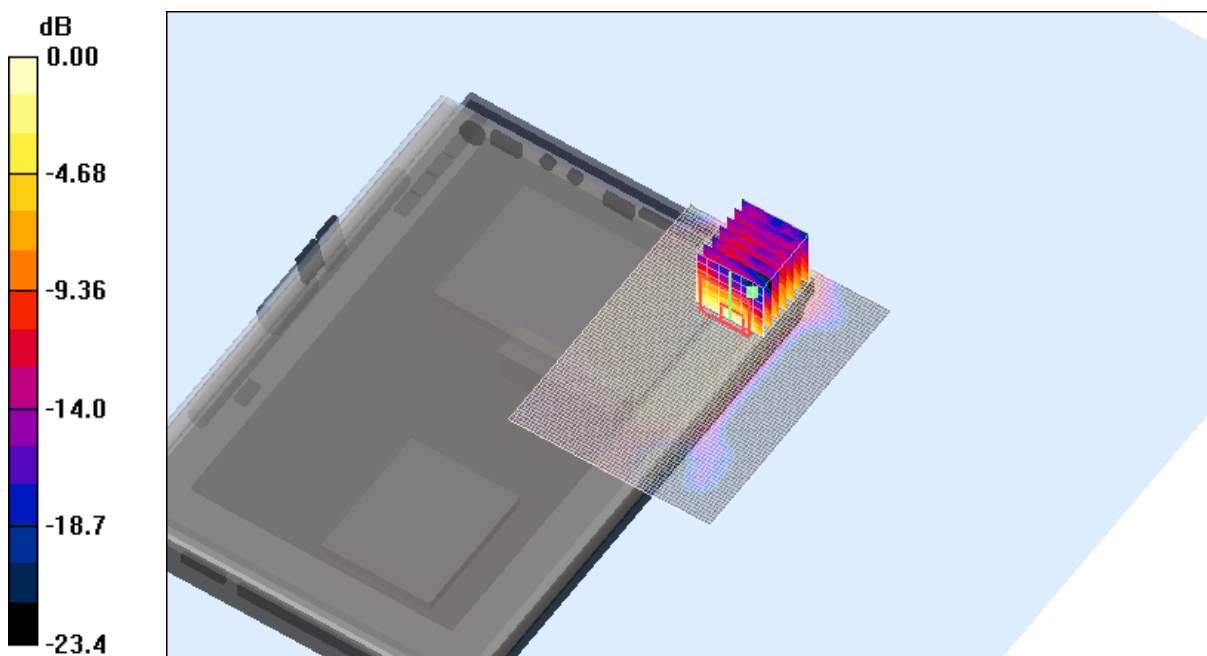
**Channel 6 Test/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 3.93 V/m; Power Drift = -0.093 dB

Peak SAR (extrapolated) = 0.079 W/kg

**SAR(1 g) = 0.032 mW/g; SAR(10 g) = 0.017 mW/g**

Maximum value of SAR (measured) = 0.036 mW/g



0 dB = 0.036mW/g

**SAR MEASUREMENT PLOT 14**

Ambient Temperature  
Liquid Temperature  
Humidity

20.2 Degrees Celsius  
19.8 Degrees Celsius  
37.0 %

Test Date: 08 August 2006

File Name: [Validation 2450 MHz \(DAE442 Probe1377\) 08-08-06.da4](#)

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

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

\* Medium parameters used:  $\sigma = 1.84005$  mho/m,  $\epsilon_r = 40.8714$ ;  $\rho = 1000$  kg/m<sup>3</sup>

- Electronics: DAE3 Sn442; Probe: ET3DV6 - SN1377; ConvF(4.49, 4.49, 4.49)

- Phantom: SAM 22; Serial: 1260; Phantom section: Flat Section

**Channel 1 Test 2/Area Scan (51x51x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 18.1 mW/g

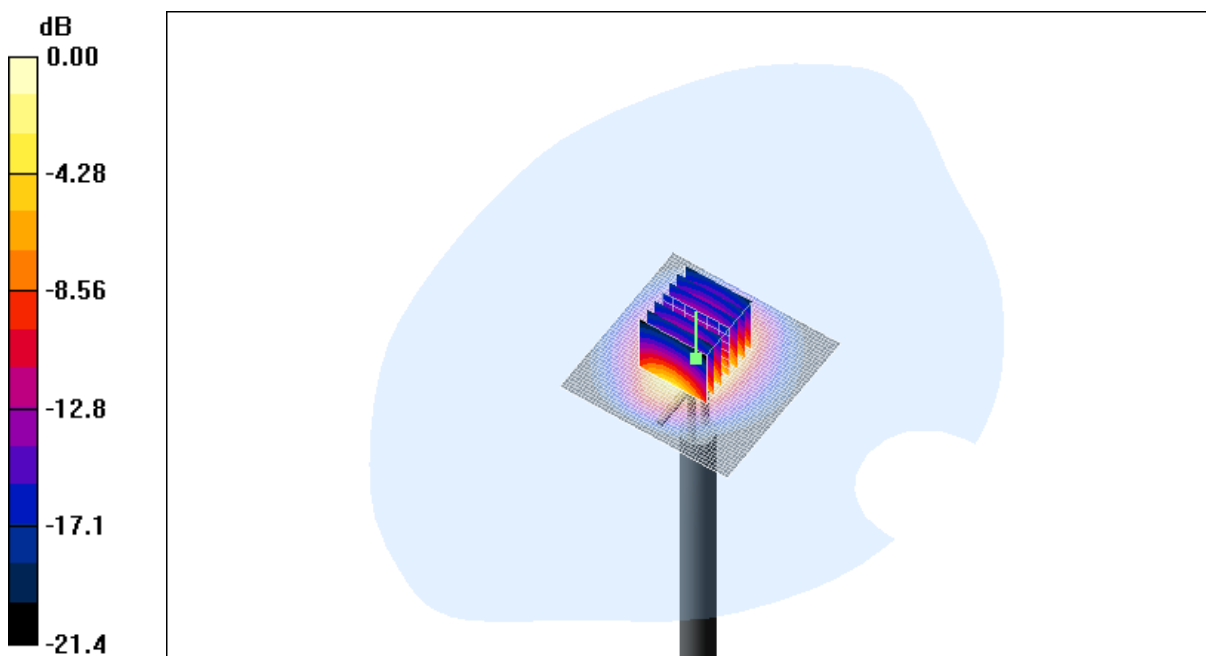
**Channel 1 Test 2/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 95.3 V/m; Power Drift = 0.013 dB

Peak SAR (extrapolated) = 29.4 W/kg

**SAR(1 g) = 13.7 mW/g; SAR(10 g) = 6.49 mW/g**

Maximum value of SAR (measured) = 15.3 mW/g



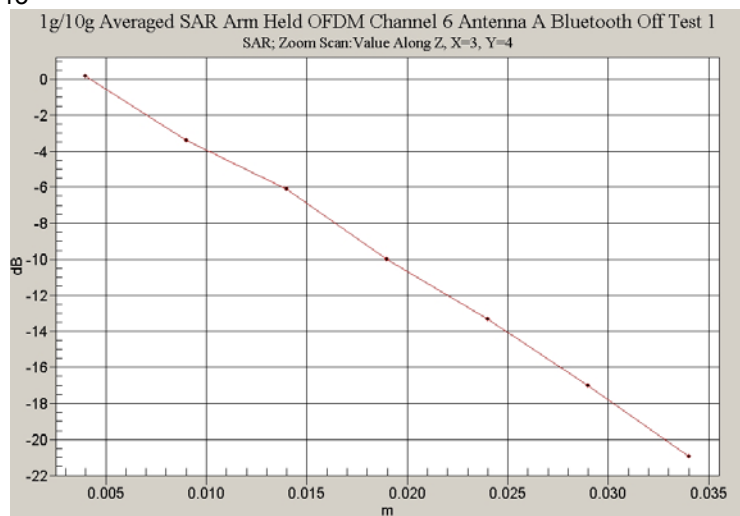
0 dB = 15.3mW/g

**SAR MEASUREMENT PLOT 15**

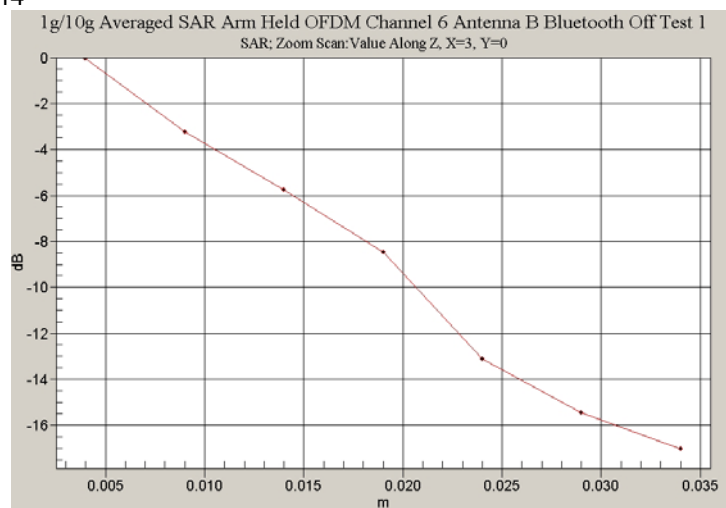
Ambient Temperature  
Liquid Temperature  
Humidity

20.2 Degrees Celsius  
19.8 Degrees Celsius  
37.0 %

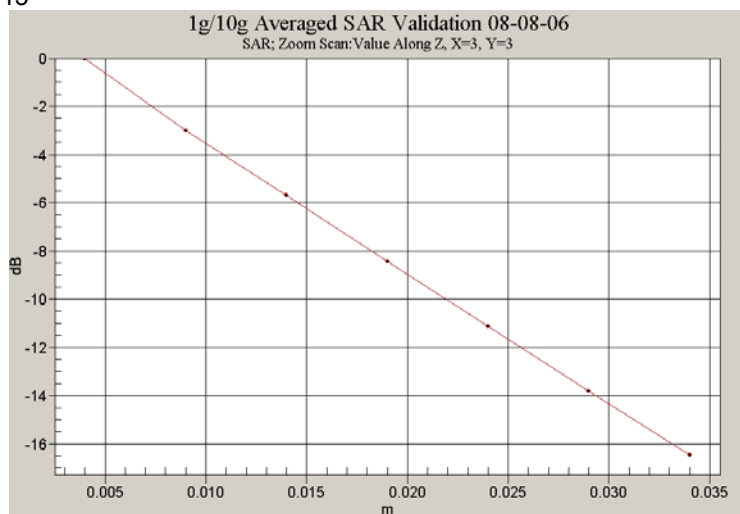
Z-Axis Graph for Plot 13



Z-Axis Graph for Plot 14



Z-Axis Graph for Plot 15



## **APPENDIX C**

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

#### **Calibration Certificate Attachments**

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