

Test Date: 02 August 2006

File Name: [Tablet OFDM 5.77 GHz Antenna A Bluetooth On Prescan 02-08-06.da4](#)

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

* Communication System: OFDM 5770 MHz; Frequency: 5785 MHz; Duty Cycle: 1:1

* Medium parameters used: $\sigma = 6.47242$ mho/m, $\epsilon_r = 46.0717$; $\rho = 1000$ kg/m³

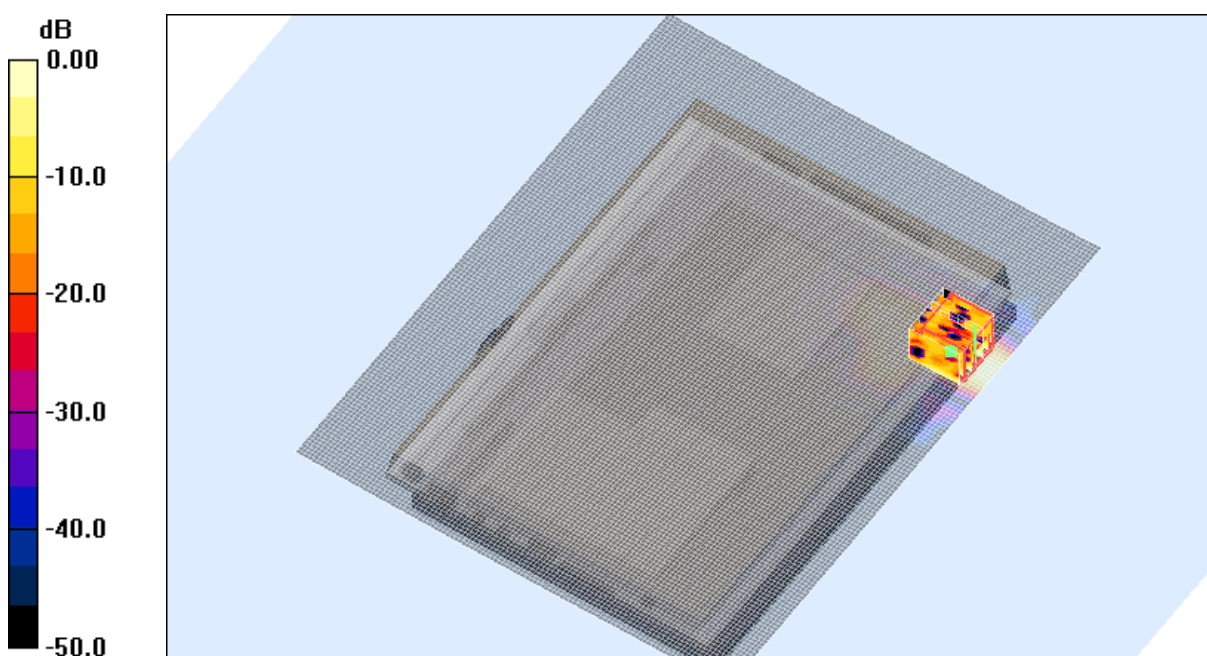
- Electronics: DAE3 Sn442; Probe: EX3DV4 - SN3563; ConvF(3.64, 3.64, 3.64)

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

Channel 157 Bluetooth at 2441 MHz Test/Area Scan (111x141x1): Measurement

grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.140 mW/g



0 dB = 0.163mW/g

SAR MEASUREMENT PLOT 15

Ambient Temperature
Liquid Temperature
Humidity

19.7 Degrees Celsius
19.4 Degrees Celsius
37.0 %

Test Date: 01 August 2006

File Name: [Arm Held OFDM 5.77 GHz Antenna B Bluetooth On Prescan 01-08-06.da4](#)

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

* Communication System: OFDM 5770 MHz; Frequency: 5785 MHz; Duty Cycle: 1:1

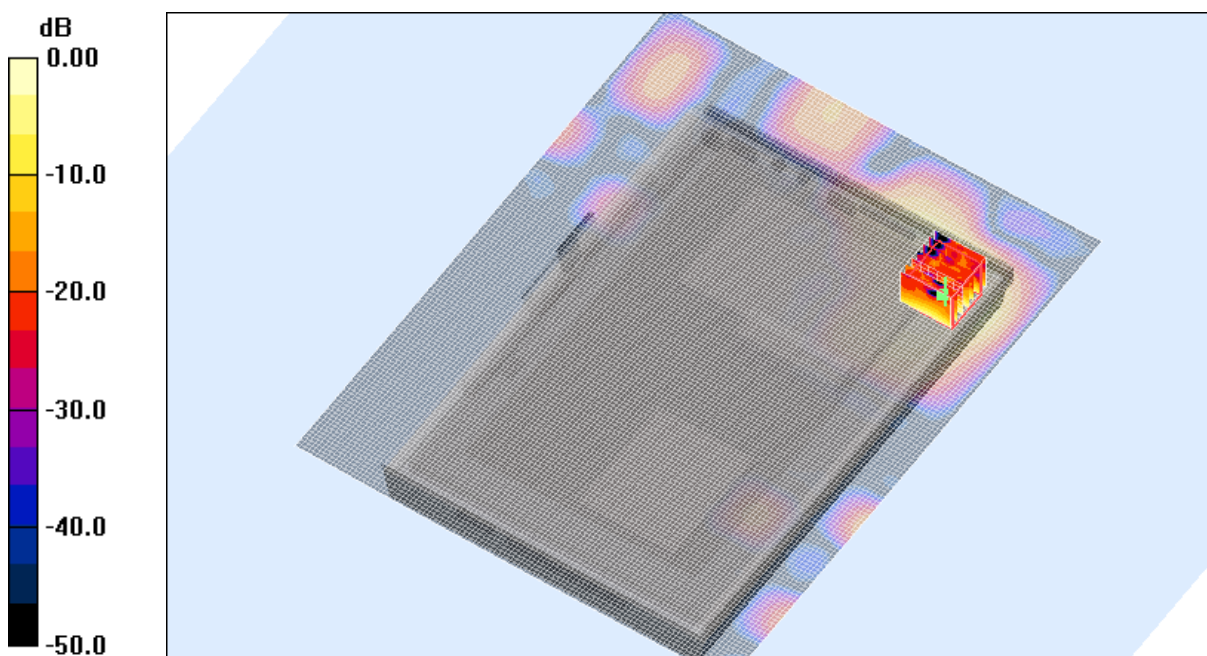
* Medium parameters used: $\sigma = 6.45822$ mho/m, $\epsilon_r = 46.1503$; $\rho = 1000$ kg/m³

- Electronics: DAE3 Sn442; Probe: EX3DV4 - SN3563; ConvF(3.64, 3.64, 3.64)

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

Channel 157 Test/Area Scan (111x141x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 1.08 mW/g



0 dB = 1.10mW/g

SAR MEASUREMENT PLOT 16

Ambient Temperature

19.4 Degrees Celsius

Liquid Temperature

19.2 Degrees Celsius

Humidity

43.0 %

Test Date: 01 August 2006

File Name: [Validation 5800MHz \(DAE 442 Probe EX3DV4\) 01-08-06.da4](#)

DUT: Dipole 5200_5800 MHz; Type: D5GHzV2; Serial: 1008

* Communication System: CW 5800 MHz; Frequency: 5800 MHz; Duty Cycle: 1:1

* Medium parameters used: $\sigma = 5.50611$ mho/m, $\epsilon_r = 33.6497$; $\rho = 1000$ kg/m³

- Electronics: DAE3 Sn442; Probe: EX3DV4 - SN3563; ConvF(3.66, 3.66, 3.66)

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

Channel 1 Test 2/Area Scan (91x91x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 44.9 mW/g

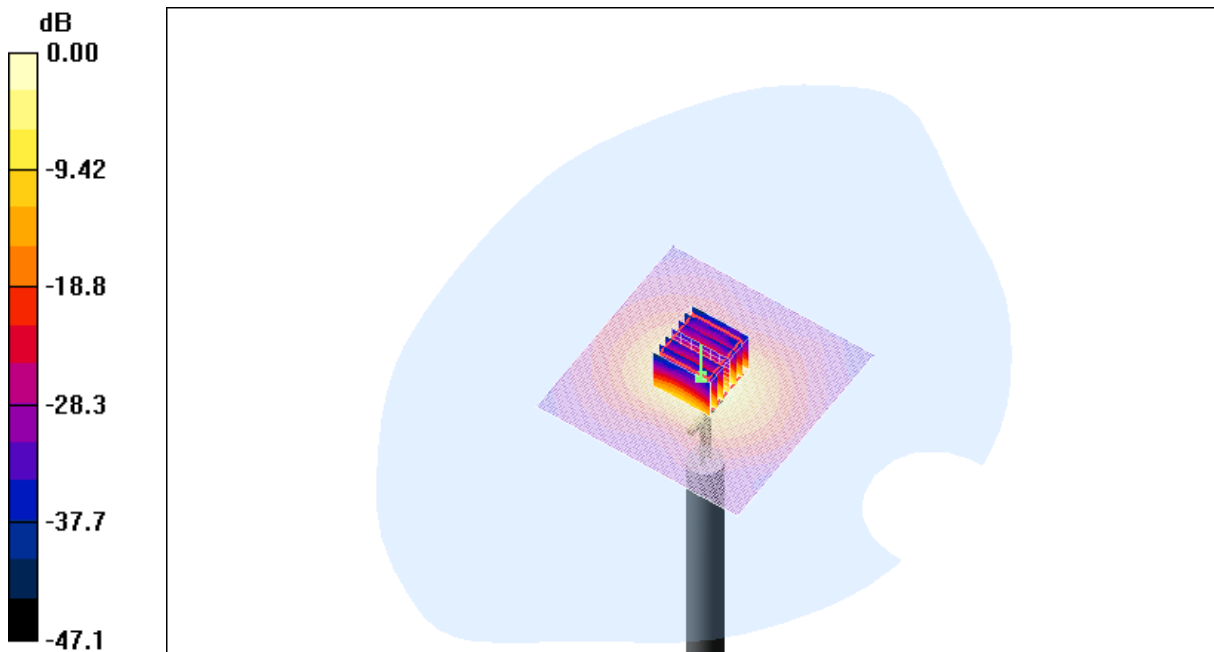
Channel 1 Test 2/Zoom Scan (7x7x8)/Cube 0: Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm

Reference Value = 94.0 V/m; Power Drift = 0.058 dB

Peak SAR (extrapolated) = 93.1 W/kg

SAR(1 g) = 20.6 mW/g; SAR(10 g) = 5.76 mW/g

Maximum value of SAR (measured) = 44.3 mW/g



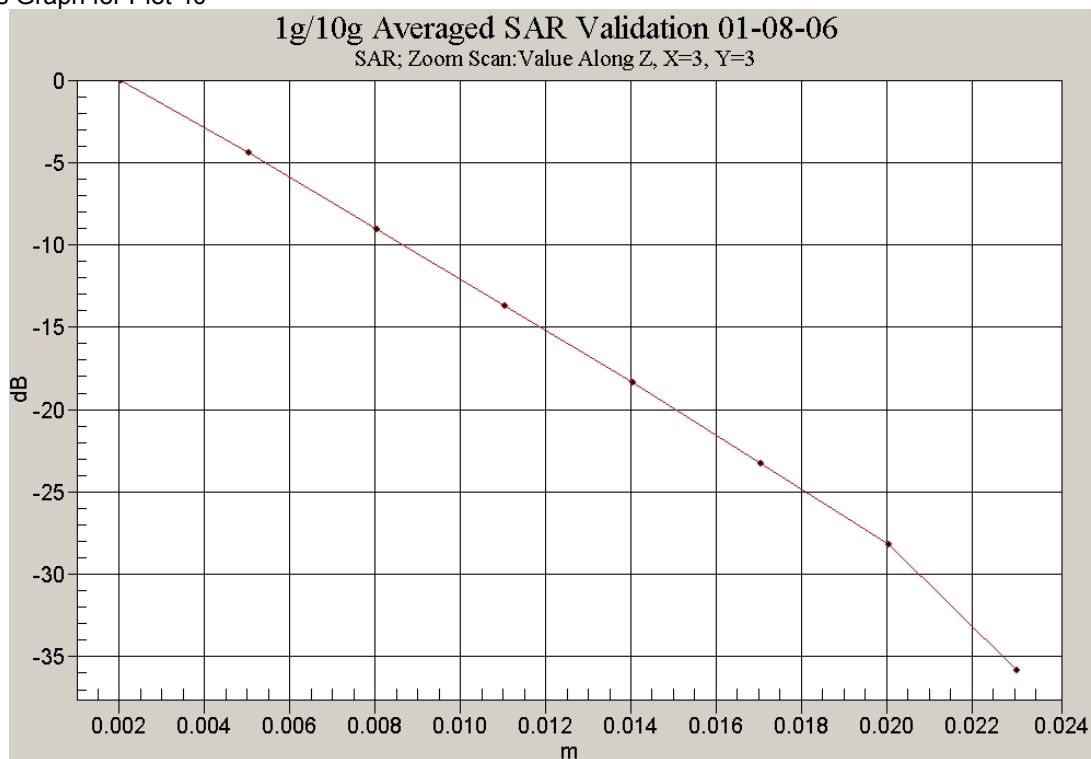
0 dB = 44.3mW/g

SAR MEASUREMENT PLOT 17

Ambient Temperature
Liquid Temperature
Humidity

19.4 Degrees Celsius
19.2 Degrees Celsius
43.0 %

Z-Axis Graph for Plot 40



Test Date: 02 August 2006

File Name: [Validation 5800MHz \(DAE 442 Probe EX3DV4\) 02-08-06.da4](#)

DUT: Dipole 5200_5800 MHz; Type: D5GHzV2; Serial: 1008

* Communication System: CW 5800 MHz; Frequency: 5800 MHz; Duty Cycle: 1:1

* Medium parameters used: $\sigma = 5.50172$ mho/m, $\epsilon_r = 33.7831$; $\rho = 1000$ kg/m³

- Electronics: DAE3 Sn442; Probe: EX3DV4 - SN3563; ConvF(3.66, 3.66, 3.66)

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

Channel 1 Test/Area Scan (91x91x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 44.6 mW/g

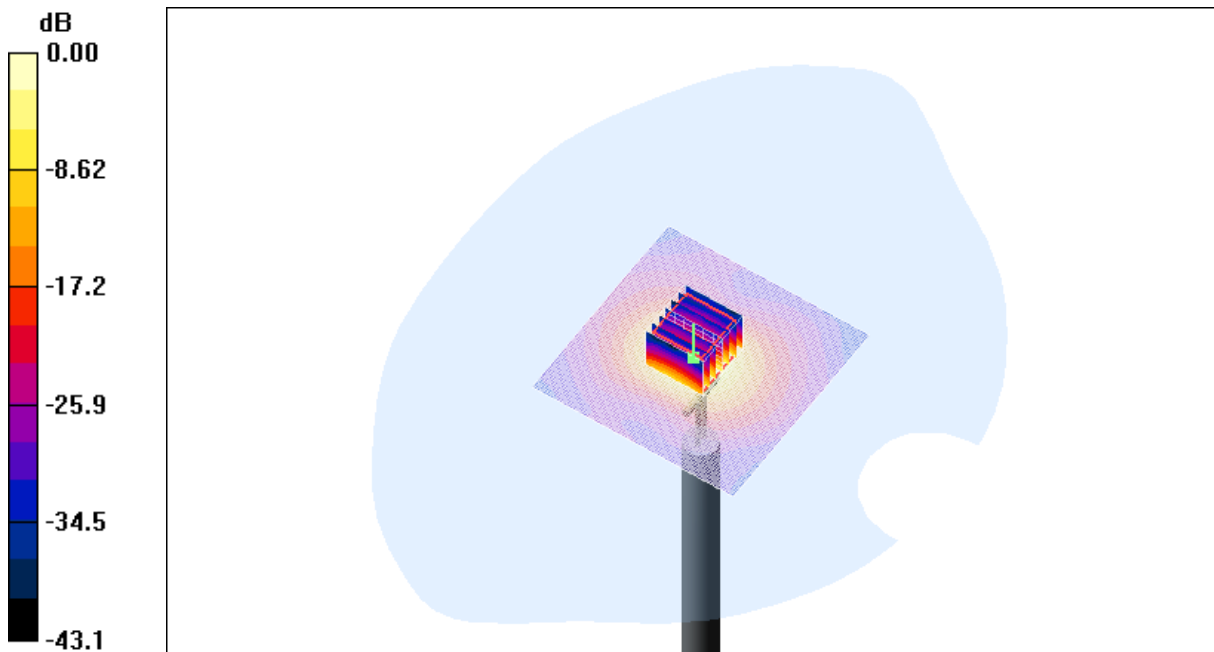
Channel 1 Test/Zoom Scan (7x7x8)/Cube 0: Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm

Reference Value = 90.2 V/m; Power Drift = 0.050 dB

Peak SAR (extrapolated) = 89.5 W/kg

SAR(1 g) = 20.1 mW/g; SAR(10 g) = 5.7 mW/g

Maximum value of SAR (measured) = 43.0 mW/g



0 dB = 43.0mW/g

SAR MEASUREMENT PLOT 18

Ambient Temperature
Liquid Temperature
Humidity

19.7 Degrees Celsius
19.4 Degrees Celsius
37.0 %

Test Date: 03 August 2006

File Name: [Validation 5800MHz \(DAE 442 Probe EX3DV4\) 03-08-06.da4](#)

DUT: Dipole 5200_5800 MHz; Type: D5GHzV2; Serial: 1008

* Communication System: CW 5800 MHz; Frequency: 5800 MHz; Duty Cycle: 1:1

* Medium parameters used: $\sigma = 5.45015$ mho/m, $\epsilon_r = 33.6989$; $\rho = 1000$ kg/m³

- Electronics: DAE3 Sn442; Probe: EX3DV4 - SN3563; ConvF(3.66, 3.66, 3.66)

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

Channel 1 Test/Area Scan (91x91x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 44.7 mW/g

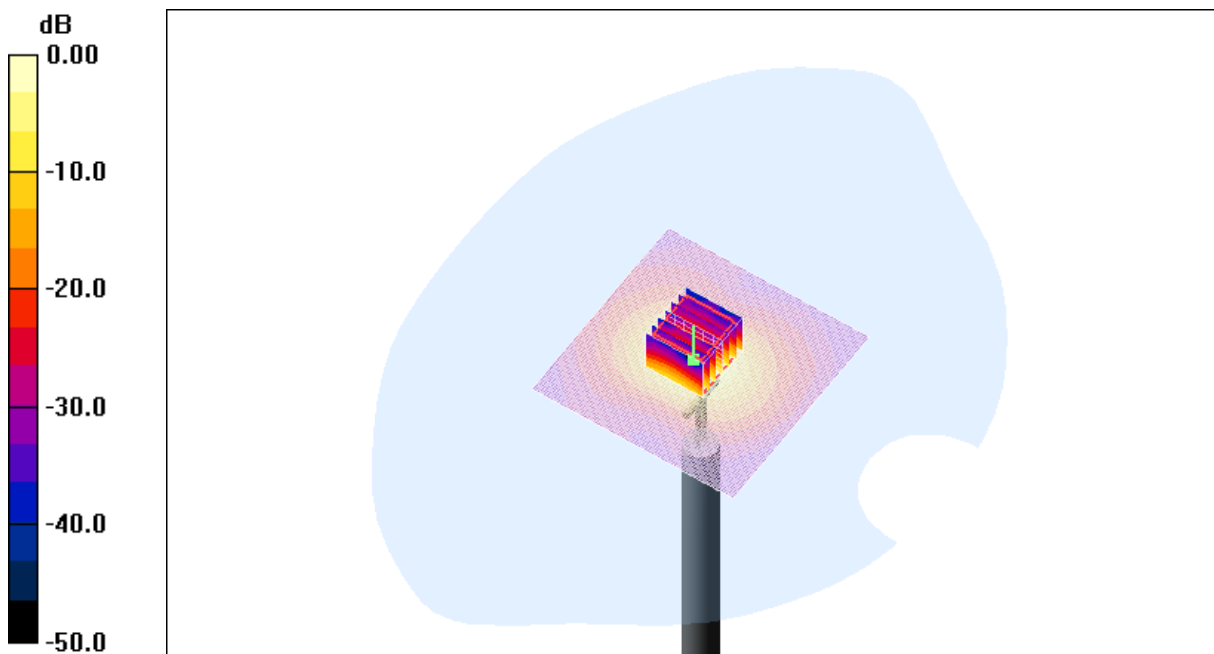
Channel 1 Test/Zoom Scan (7x7x8)/Cube 0: Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm

Reference Value = 92.0 V/m; Power Drift = -0.085 dB

Peak SAR (extrapolated) = 94.6 W/kg

SAR(1 g) = 20.6 mW/g; SAR(10 g) = 5.75 mW/g

Maximum value of SAR (measured) = 44.8 mW/g



0 dB = 44.8mW/g

SAR MEASUREMENT PLOT 19

Ambient Temperature
Liquid Temperature
Humidity

20.2 Degrees Celsius
20.0 Degrees Celsius
41.0 %

Test Date: 04 August 2006

File Name: [Validation 5800MHz \(DAE 442 Probe EX3DV4\) 04-08-06.da4](#)

DUT: Dipole 5200_5800 MHz; Type: D5GHzV2; Serial: 1008

* Communication System: CW 5800 MHz; Frequency: 5800 MHz; Duty Cycle: 1:1

* Medium parameters used: $\sigma = 5.51402$ mho/m, $\epsilon_r = 33.8728$; $\rho = 1000$ kg/m³

- Electronics: DAE3 Sn442; Probe: EX3DV4 - SN3563; ConvF(3.66, 3.66, 3.66)

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

Channel 1 Test/Area Scan (91x91x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 44.2 mW/g

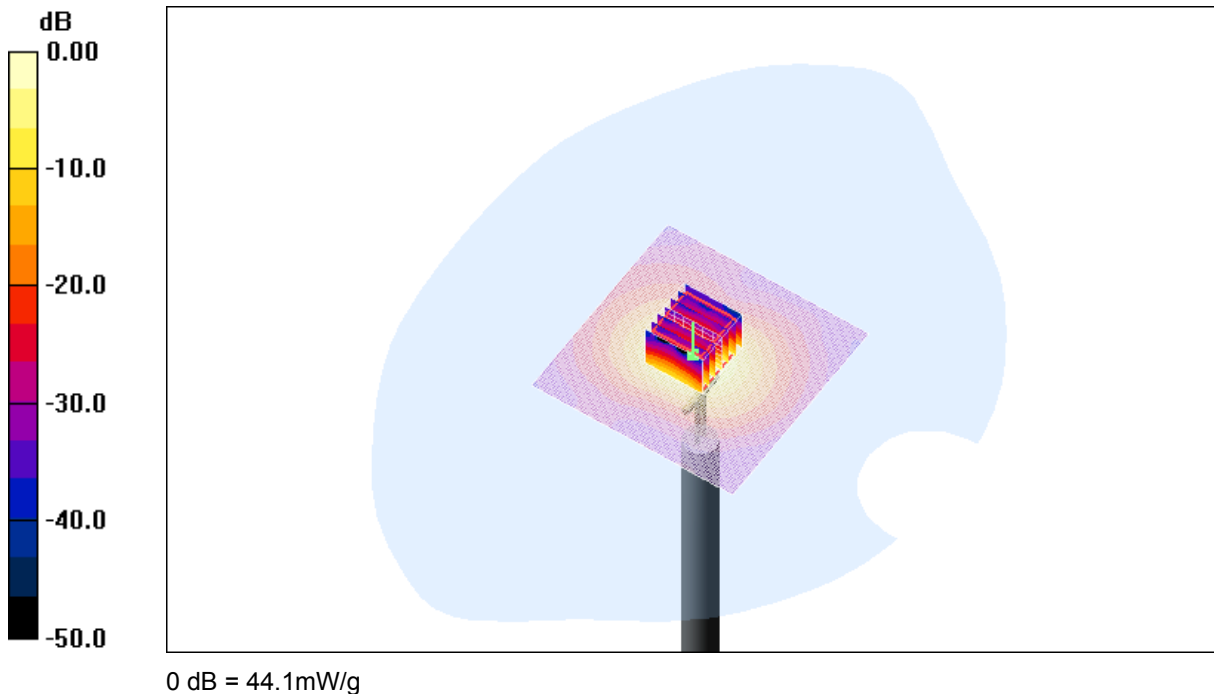
Channel 1 Test/Zoom Scan (7x7x8)/Cube 0: Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm

Reference Value = 89.4 V/m; Power Drift = 0.195 dB

Peak SAR (extrapolated) = 92.0 W/kg

SAR(1 g) = 20.6 mW/g; SAR(10 g) = 5.75 mW/g

Maximum value of SAR (measured) = 44.1 mW/g

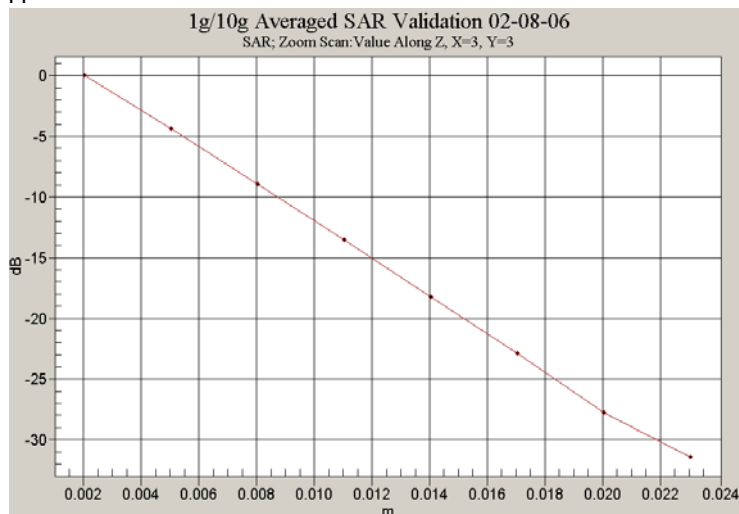


SAR MEASUREMENT PLOT 20

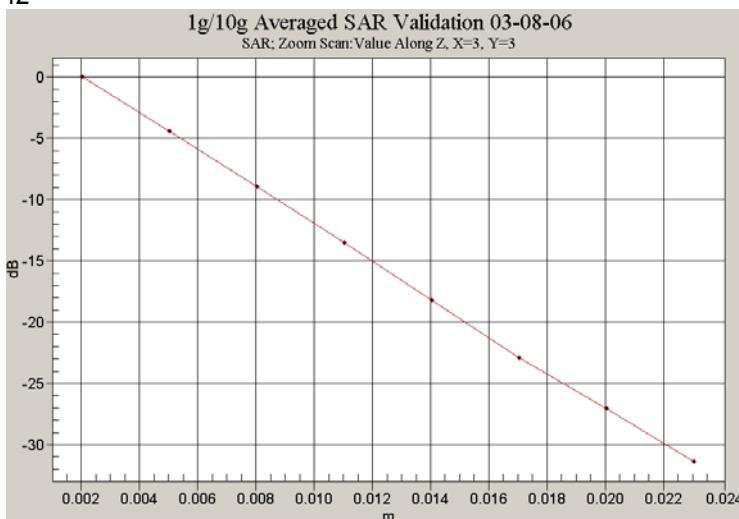
Ambient Temperature
Liquid Temperature
Humidity

20.2 Degrees Celsius
19.8 Degrees Celsius
44.0 %

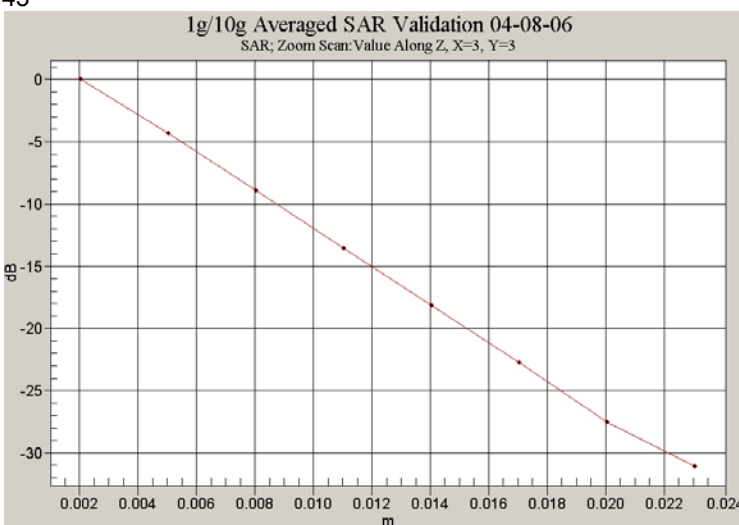
Z-Axis Graph for Plot 41



Z-Axis Graph for Plot 42



Z-Axis Graph for Plot 43



APPENDIX C

SAR TESTING EQUIPMENT CALIBRATION CERTIFICATE ATTACHMENTS

Calibration Certificate Attachments

- | | |
|--|---------|
| 1. 5800MHz E-Field Probe Calibration Sheet | 8 Pages |
| 2. 5GHz Dipole Calibration Sheet | 7 Pages |