

Test Date: 17 March 2006

File Name: [Edge On OFDM 5.25 GHz Vesalius Antenna B Bluetooth Off 17-03-06.da4](#)

DUT: Fujitsu Tablet Vesalius with Atheros 11abg and Bluetooth; Type: XB62; Serial: MAC: 0011F5-C22B36

* Communication System: OFDM 5250 MHz; Frequency: 5260 MHz; Duty Cycle: 1:1

* Medium parameters used: $\sigma = 5.36336$ mho/m, $\epsilon_r = 48.3467$; $\rho = 1000$ kg/m³

- Electronics: DAE3 Sn442; Probe: EX3DV4 - SN3563; ConvF(4.36, 4.36, 4.36)

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

Channel 52 Test/Area Scan (81x101x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 1.09 mW/g

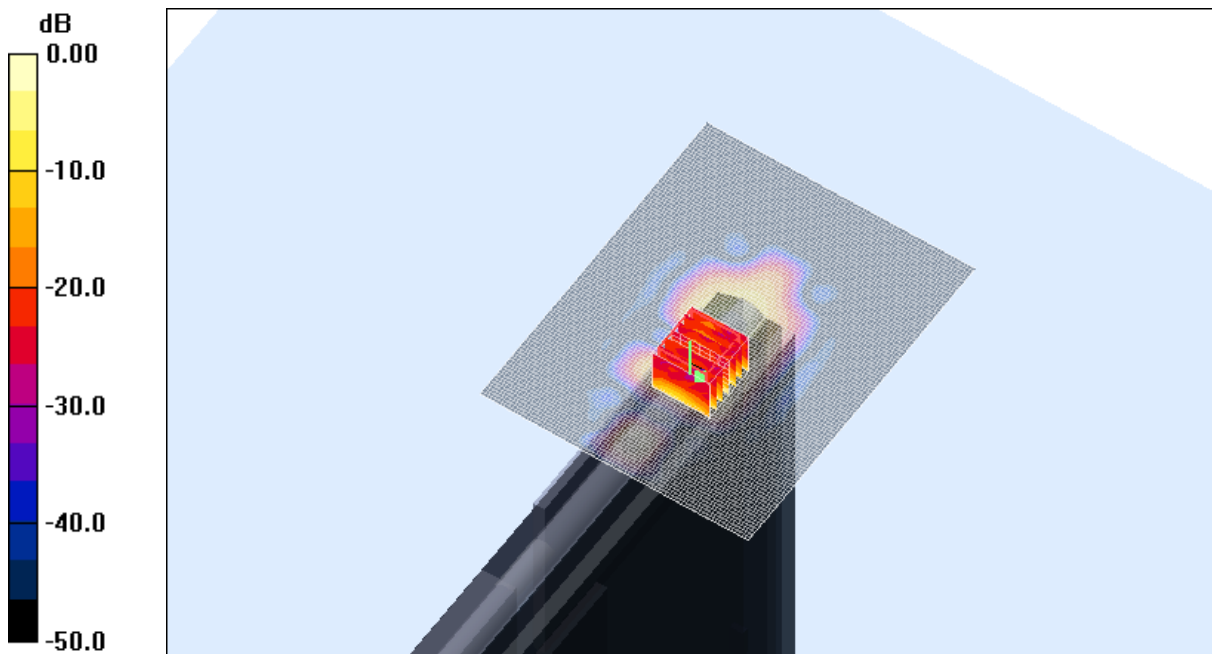
Channel 52 Test/Zoom Scan (7x7x8)/Cube 0: Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm

Reference Value = 18.3 V/m; Power Drift = -0.216 dB

Peak SAR (extrapolated) = 3.14 W/kg

SAR(1 g) = 0.816 mW/g; SAR(10 g) = 0.255 mW/g

Maximum value of SAR (measured) = 1.74 mW/g



0 dB = 1.74mW/g

SAR MEASUREMENT PLOT 25

Ambient Temperature
Liquid Temperature
Humidity

21.4 Degrees Celsius
20.8 Degrees Celsius
50.0 %

Test Date: 17 March 2006

File Name: [Edge On OFDM 5.25 GHz Versalius Antenna B Bluetooth Off 17-03-06.da4](#)

DUT: Fujitsu Tablet Versalius with Atheros 11abg and Bluetooth; Type: XB62; Serial: MAC: 0011F5-C22B36

* Communication System: OFDM 5250 MHz; Frequency: 5320 MHz; Duty Cycle: 1:1

* Medium parameters used: $\sigma = 5.4864$ mho/m, $\epsilon_r = 48.2306$; $\rho = 1000$ kg/m³

- Electronics: DAE3 Sn442; Probe: EX3DV4 - SN3563; ConvF(4.36, 4.36, 4.36)

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

Channel 64 Test/Area Scan (81x101x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.934 mW/g

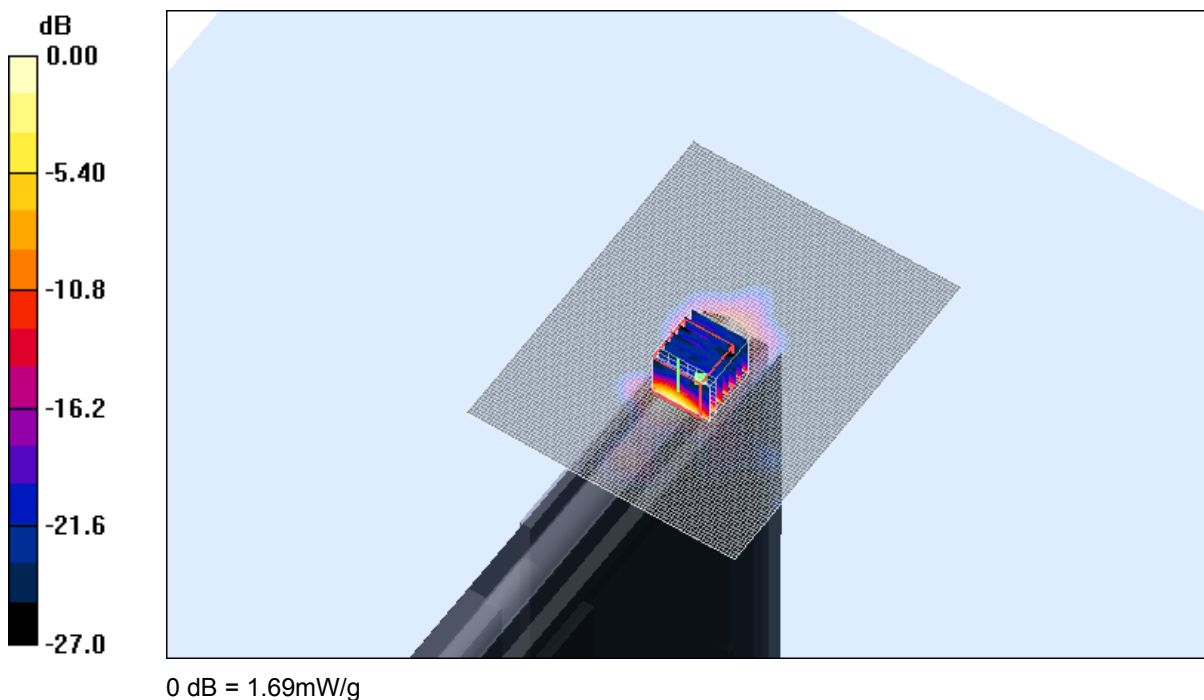
Channel 64 Test/Zoom Scan (7x7x8)/Cube 0: Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm

Reference Value = 18.0 V/m; Power Drift = -0.122 dB

Peak SAR (extrapolated) = 3.03 W/kg

SAR(1 g) = 0.839 mW/g; SAR(10 g) = 0.264 mW/g

Maximum value of SAR (measured) = 1.69 mW/g

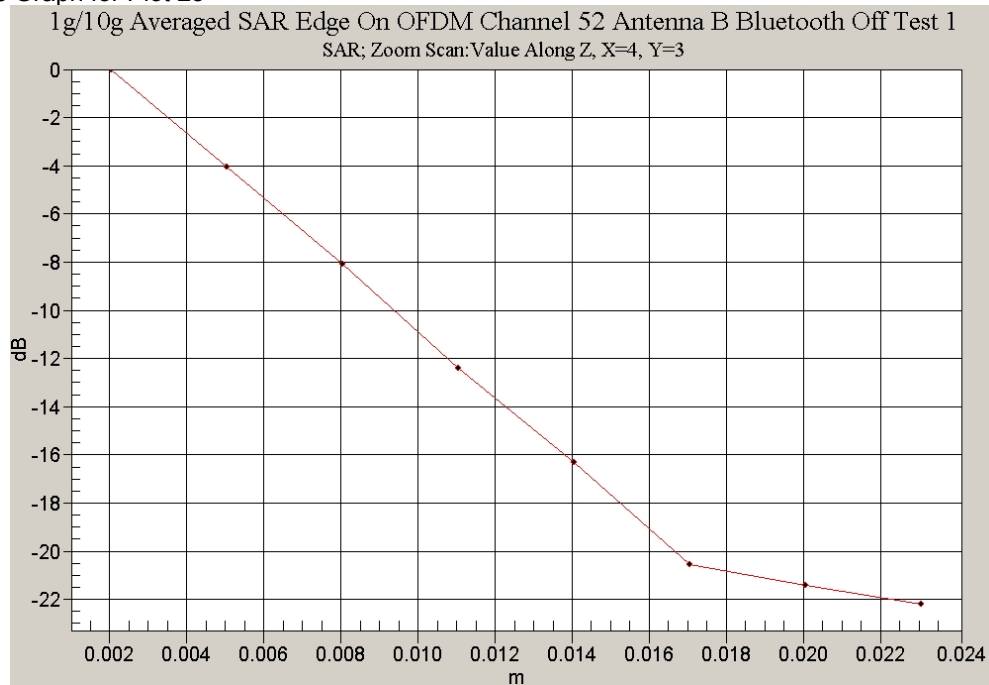


SAR MEASUREMENT PLOT 26

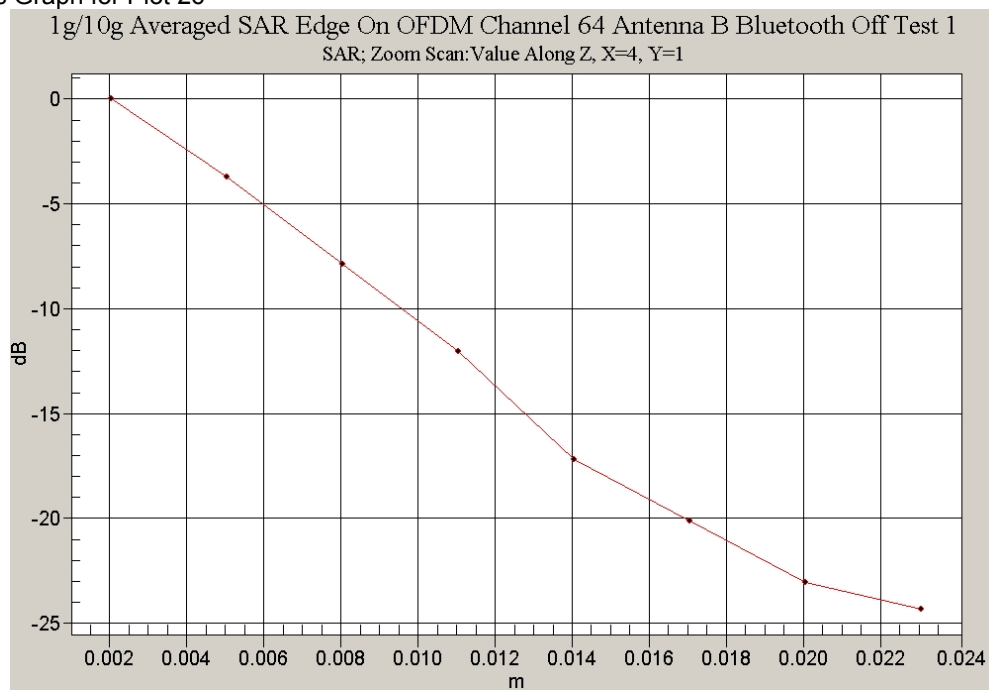
Ambient Temperature
Liquid Temperature
Humidity

21.4 Degrees Celsius
20.8 Degrees Celsius
50.0 %

Z-Axis Graph for Plot 25



Z-Axis Graph for Plot 26



Test Date: 17 March 2006

File Name: [Arm Held OFDM 5.25 GHz Versalium Antenna B Bluetooth On 17-03-06.da4](#)

DUT: Fujitsu Tablet Versalium with Atheros 11abg and Bluetooth; Type: XB62; Serial: MAC: 0011F5-C22B36

* Communication System: OFDM 5250 MHz; Frequency: 5260 MHz; Duty Cycle: 1:1

* Medium parameters used: $\sigma = 5.36336$ mho/m, $\epsilon_r = 48.3467$; $\rho = 1000$ kg/m³

- Electronics: DAE3 Sn442; Probe: EX3DV4 - SN3563; ConvF(4.36, 4.36, 4.36)

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

Channel 52 Test/Area Scan (81x101x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 1.36 mW/g

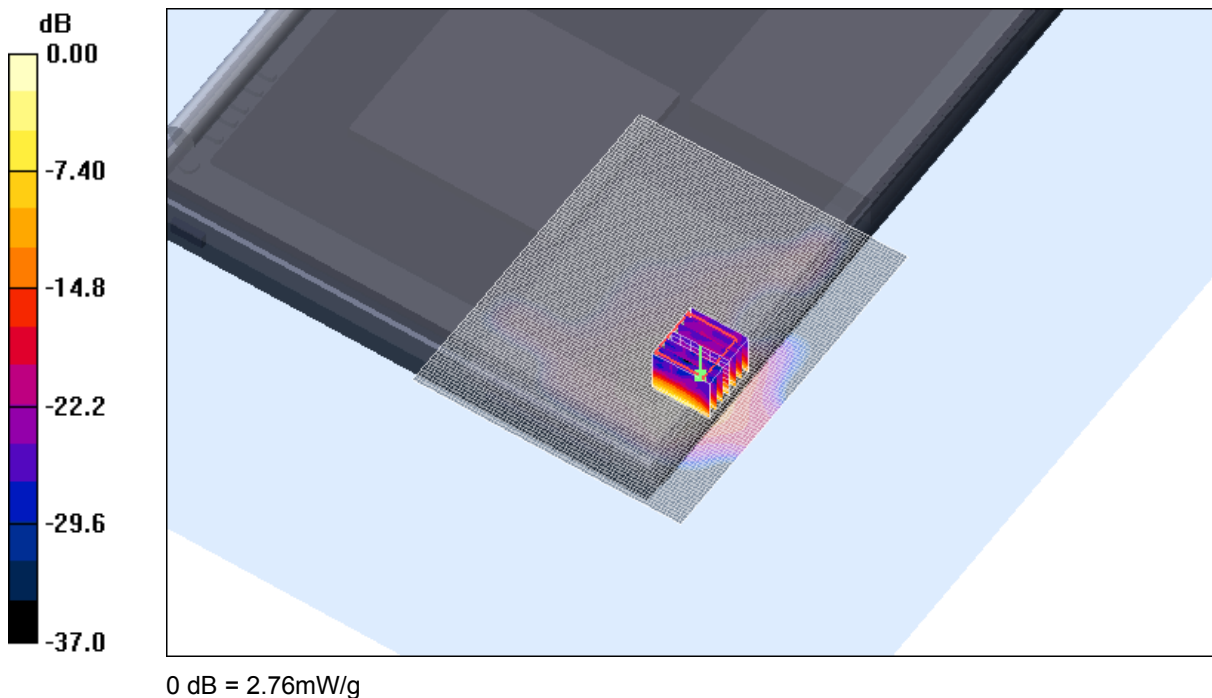
Channel 52 Test/Zoom Scan (7x7x8)/Cube 0: Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm

Reference Value = 16.5 V/m; Power Drift = -0.187 dB

Peak SAR (extrapolated) = 5.06 W/kg

SAR(1 g) = 1.27 mW/g; SAR(10 g) = 0.387 mW/g

Maximum value of SAR (measured) = 2.76 mW/g



SAR MEASUREMENT PLOT 27

Ambient Temperature
Liquid Temperature
Humidity

21.4 Degrees Celsius
20.8 Degrees Celsius
50.0 %

Test Date: 17 March 2006

File Name: [Edge On OFDM 5.25 GHz Versalius Antenna B Bluetooth On 17-03-06.da4](#)

DUT: Fujitsu Tablet Versalius with Atheros 11abg and Bluetooth; Type: XB62; Serial: MAC: 0011F5-C22B36

* Communication System: OFDM 5250 MHz; Frequency: 5320 MHz; Duty Cycle: 1:1

* Medium parameters used: $\sigma = 5.4864$ mho/m, $\epsilon_r = 48.2306$; $\rho = 1000$ kg/m³

- Electronics: DAE3 Sn442; Probe: EX3DV4 - SN3563; ConvF(4.36, 4.36, 4.36)

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

Channel 64 Test/Area Scan (81x101x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.885 mW/g

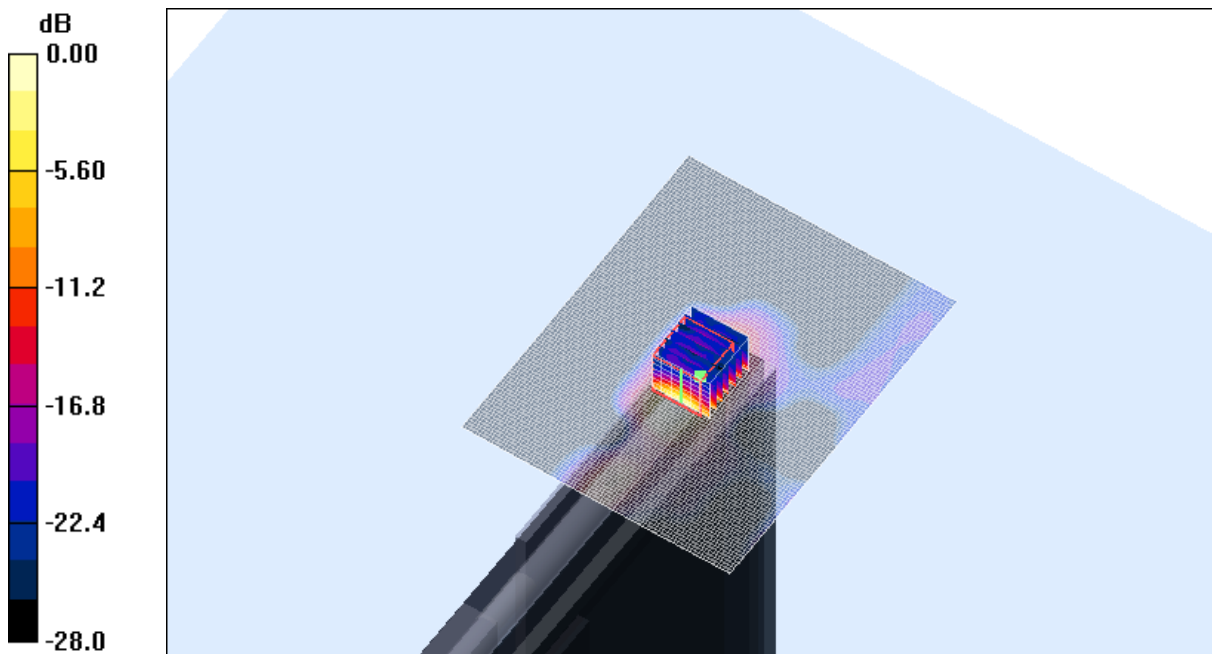
Channel 64 Test/Zoom Scan (7x7x8)/Cube 0: Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm

Reference Value = 18.1 V/m; Power Drift = 0.169 dB

Peak SAR (extrapolated) = 2.83 W/kg

SAR(1 g) = 0.774 mW/g; SAR(10 g) = 0.249 mW/g

Maximum value of SAR (measured) = 1.60 mW/g



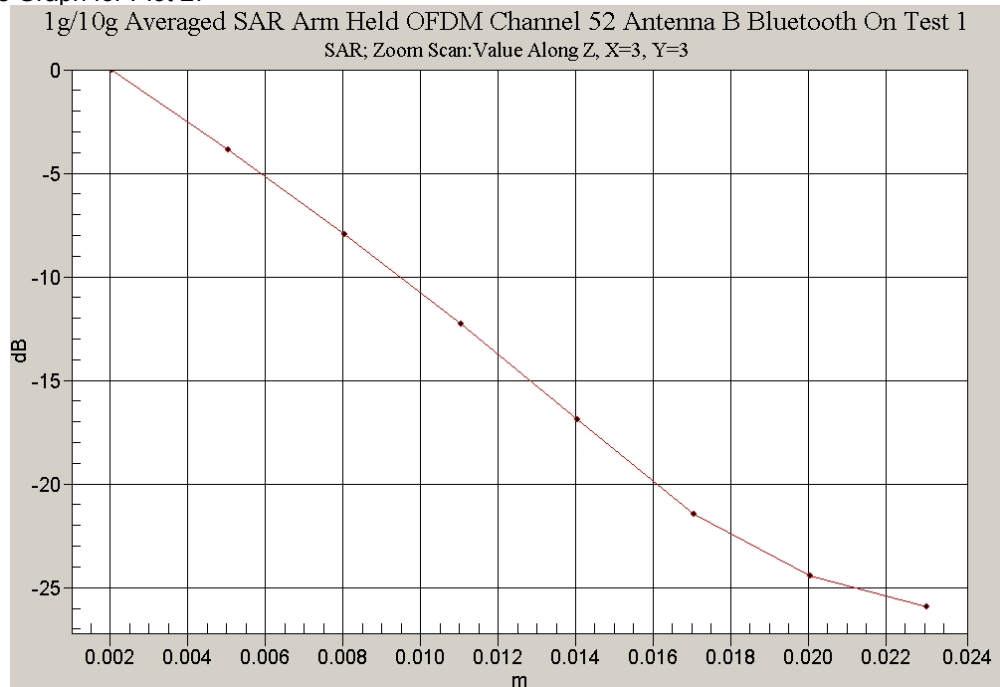
0 dB = 1.60mW/g

SAR MEASUREMENT PLOT 28

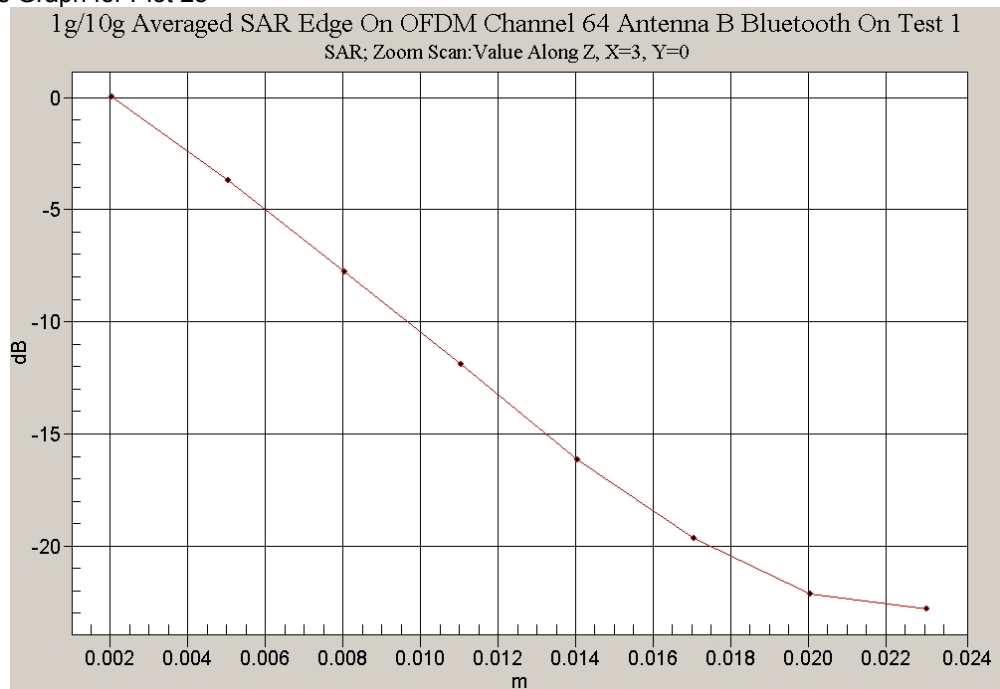
Ambient Temperature
Liquid Temperature
Humidity

21.4 Degrees Celsius
20.8 Degrees Celsius
50.0 %

Z-Axis Graph for Plot 27



Z-Axis Graph for Plot 28



Test Date: 10 March 2006

File Name: [Validation 5800MHz \(DAE 442 Probe EX3DV4\) 10-03-06.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: $\sigma = 5.5166$ mho/m, $\epsilon_r = 34.2845$; $\rho = 1000$ kg/m³

- Electronics: DAE3 Sn442; Probe: EX3DV4 - SN3563; ConvF(4.04, 4.04, 4.04)

- 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) = 43.2 mW/g

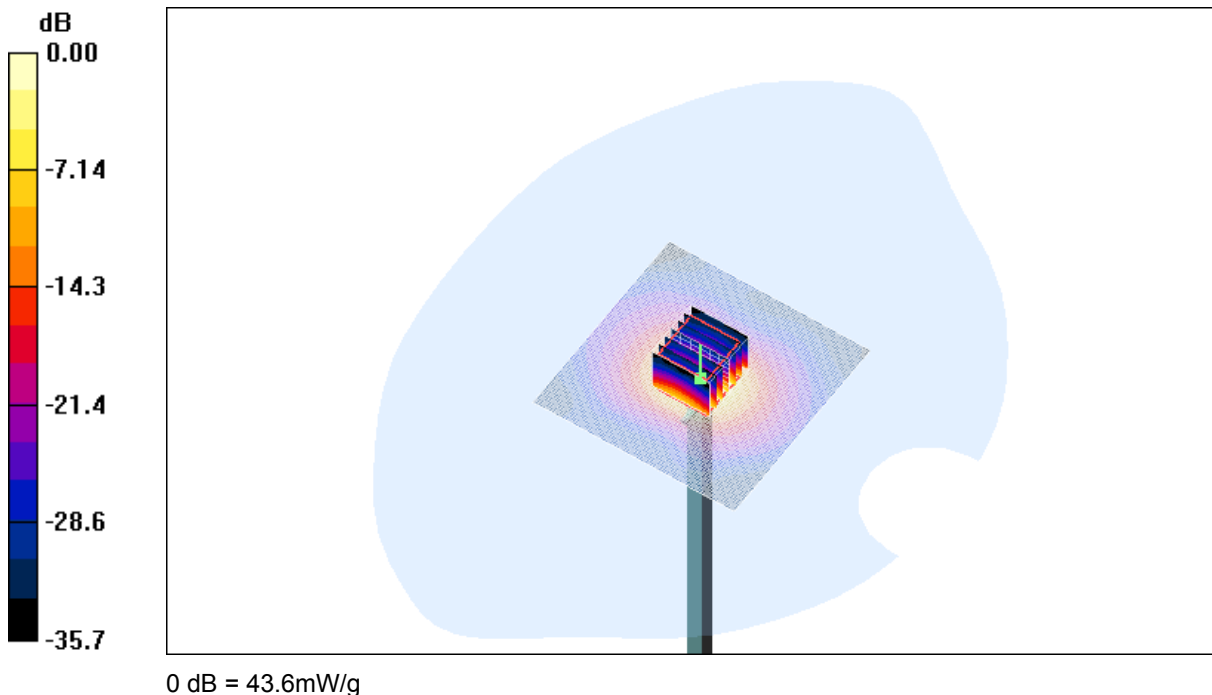
Channel 1 Test 2/Zoom Scan (7x7x8)/Cube 0: Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm

Reference Value = 95.3 V/m; Power Drift = 0.017 dB

Peak SAR (extrapolated) = 84.8 W/kg

SAR(1 g) = 20.6 mW/g; SAR(10 g) = 5.82 mW/g

Maximum value of SAR (measured) = 43.6 mW/g



SAR MEASUREMENT PLOT 29

Ambient Temperature
Liquid Temperature
Humidity

21.4 Degrees Celsius
20.9 Degrees Celsius
62.0 %

Test Date: 14 March 2006

File Name: [Validation 5800MHz \(DAE 442 Probe EX3DV4\) 14-03-06.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: $\sigma = 5.42973$ mho/m, $\epsilon_r = 34.5741$; $\rho = 1000$ kg/m³

- Electronics: DAE3 Sn442; Probe: EX3DV4 - SN3563; ConvF(4.04, 4.04, 4.04)

- 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) = 45.2 mW/g

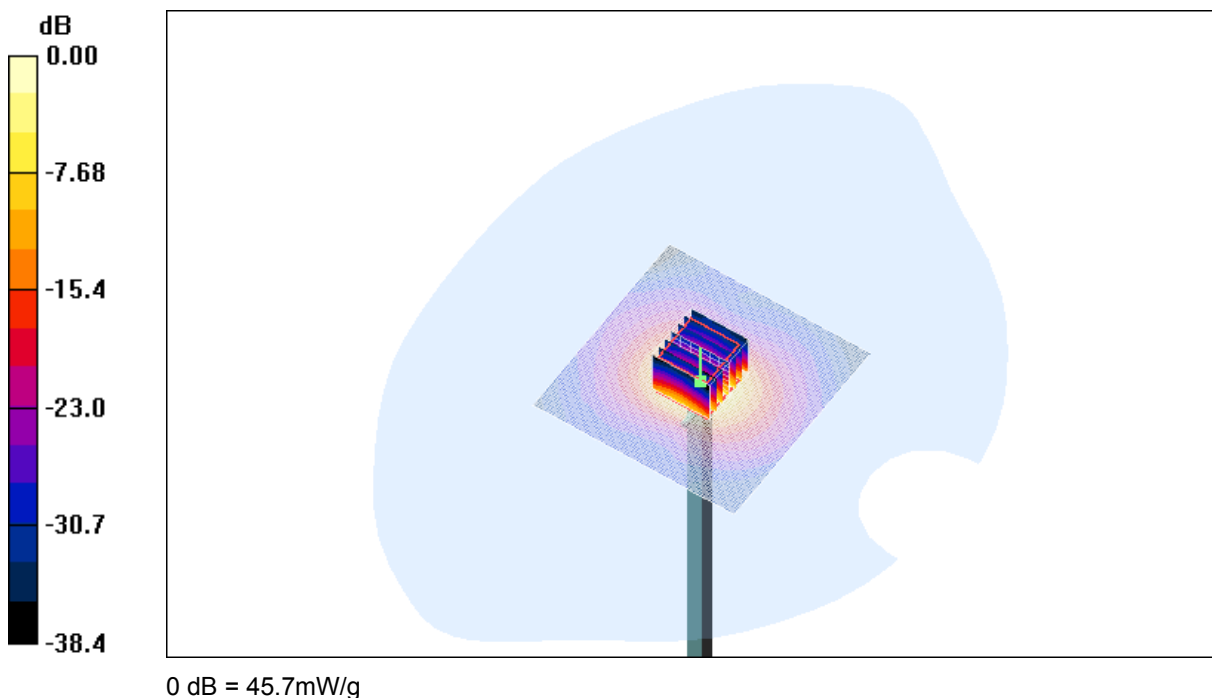
Channel 1 Test/Zoom Scan (7x7x8)/Cube 0: Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm

Reference Value = 97.5 V/m; Power Drift = 0.076 dB

Peak SAR (extrapolated) = 88.4 W/kg

SAR(1 g) = 21.3 mW/g; SAR(10 g) = 5.97 mW/g

Maximum value of SAR (measured) = 45.7 mW/g

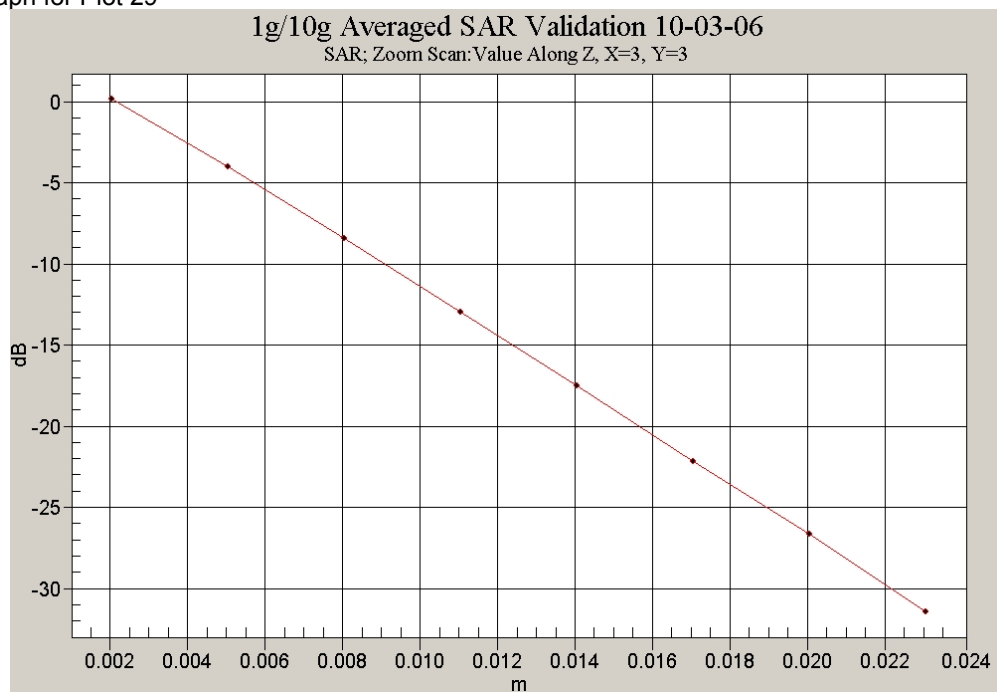


SAR MEASUREMENT PLOT 30

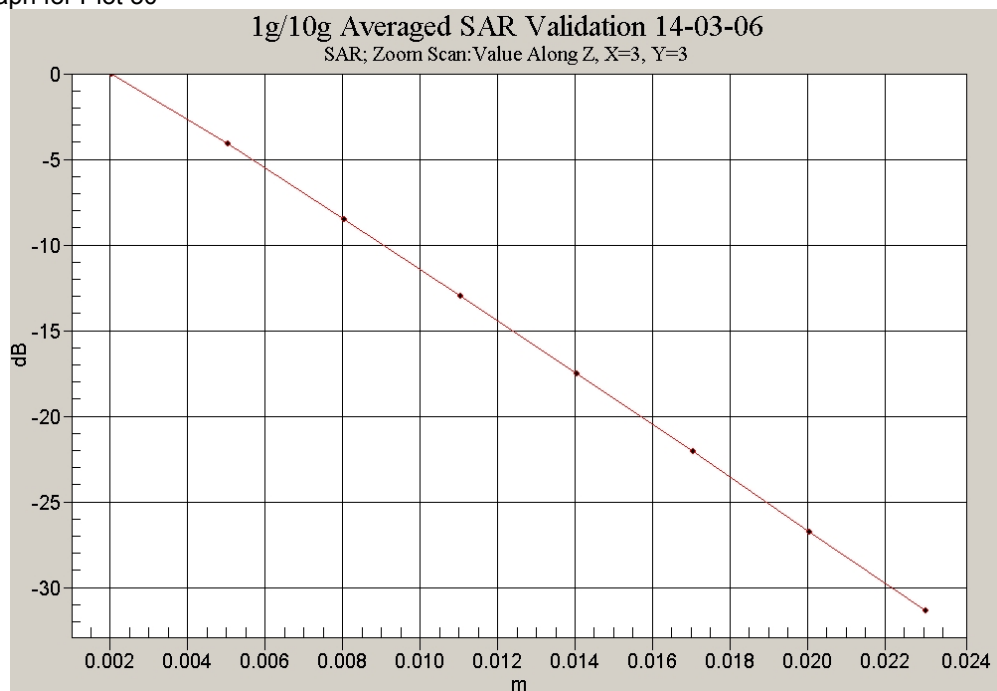
Ambient Temperature
Liquid Temperature
Humidity

21.1 Degrees Celsius
20.7 Degrees Celsius
51.0 %

Z-Axis Graph for Plot 29



Z-Axis Graph for Plot 30



Test Date: 15 March 2006

File Name: [Validation 5800MHz \(DAE 442 Probe EX3DV4\) 15-03-06.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: $\sigma = 5.24852$ mho/m, $\epsilon_r = 34.2649$; $\rho = 1000$ kg/m³

- Electronics: DAE3 Sn442; Probe: EX3DV4 - SN3563; ConvF(4.04, 4.04, 4.04)

- 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) = 41.5 mW/g

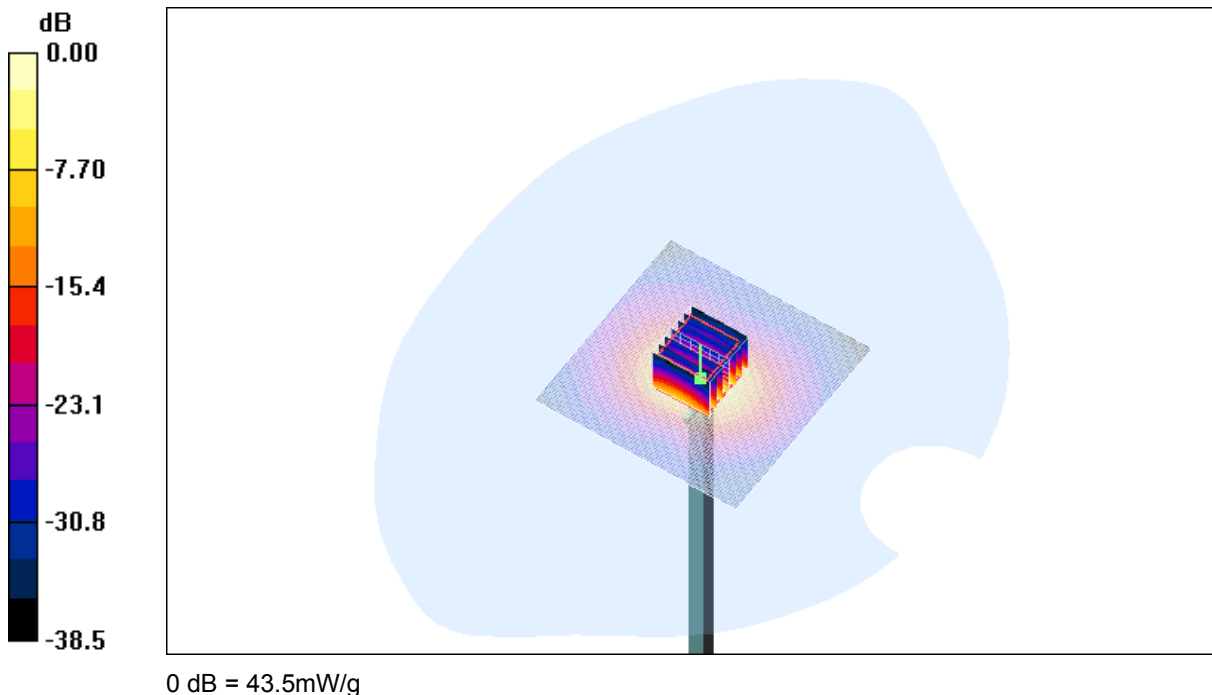
Channel 1 Test/Zoom Scan (7x7x8)/Cube 0: Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm

Reference Value = 96.4 V/m; Power Drift = -0.269 dB

Peak SAR (extrapolated) = 84.7 W/kg

SAR(1 g) = 20.1 mW/g; SAR(10 g) = 5.61 mW/g

Maximum value of SAR (measured) = 43.5 mW/g



SAR MEASUREMENT PLOT 31

Ambient Temperature
Liquid Temperature
Humidity

21.3 Degrees Celsius
20.8 Degrees Celsius
51.0 %

Test Date: 16 March 2006

File Name: [Validation 5800MHz \(DAE 442 Probe EX3DV4\) 16-03-06.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: $\sigma = 5.48646$ mho/m, $\epsilon_r = 34.5584$; $\rho = 1000$ kg/m³

- Electronics: DAE3 Sn442; Probe: EX3DV4 - SN3563; ConvF(4.04, 4.04, 4.04)

- 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) = 43.4 mW/g

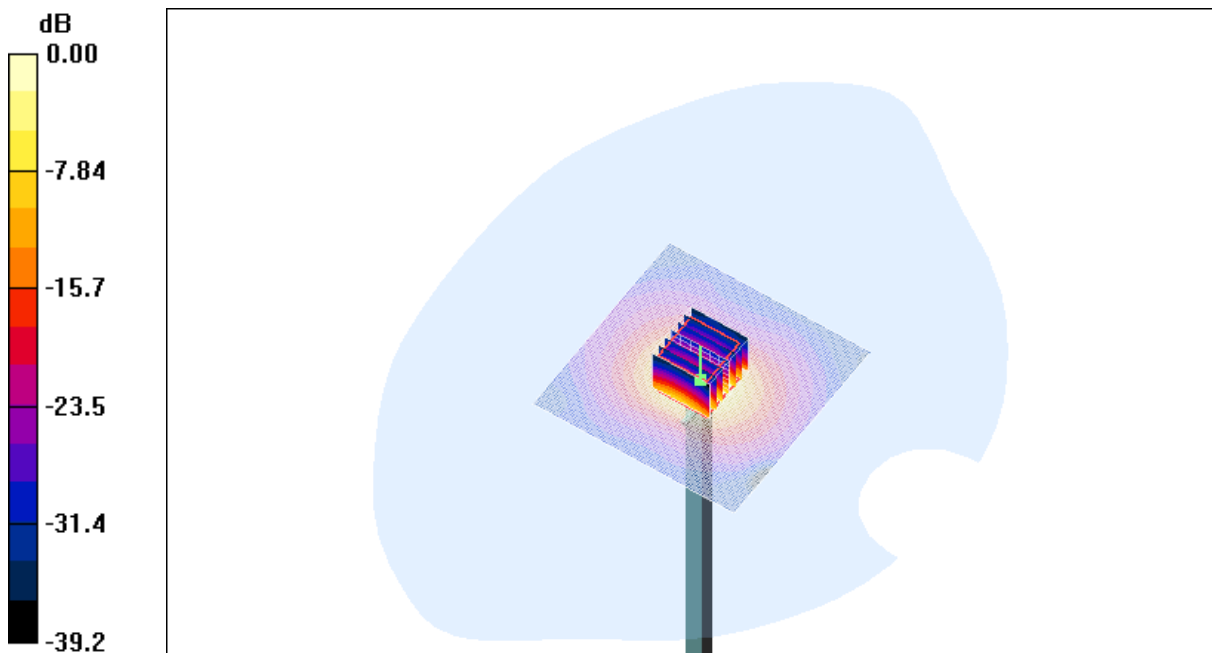
Channel 1 Test/Zoom Scan (7x7x8)/Cube 0: Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm

Reference Value = 97.1 V/m; Power Drift = -0.042 dB

Peak SAR (extrapolated) = 81.9 W/kg

SAR(1 g) = 20.3 mW/g; SAR(10 g) = 5.8 mW/g

Maximum value of SAR (measured) = 42.6 mW/g



SAR MEASUREMENT PLOT 32

Ambient Temperature
Liquid Temperature
Humidity

21.4 Degrees Celsius
20.9 Degrees Celsius
55.0 %

Test Date: 17 March 2006

File Name: [Validation 5200MHz \(DAE 442 Probe EX3DV4\) 17-03-06.da4](#)

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

* Communication System: CW 5200 MHz; Frequency: 5200 MHz; Duty Cycle: 1:1

* Medium parameters used: $\sigma = 4.75808$ mho/m, $\epsilon_r = 35.5167$; $\rho = 1000$ kg/m³

- Electronics: DAE3 Sn442; Probe: EX3DV4 - SN3563; ConvF(4.46, 4.46, 4.46)

- 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) = 44.9 mW/g

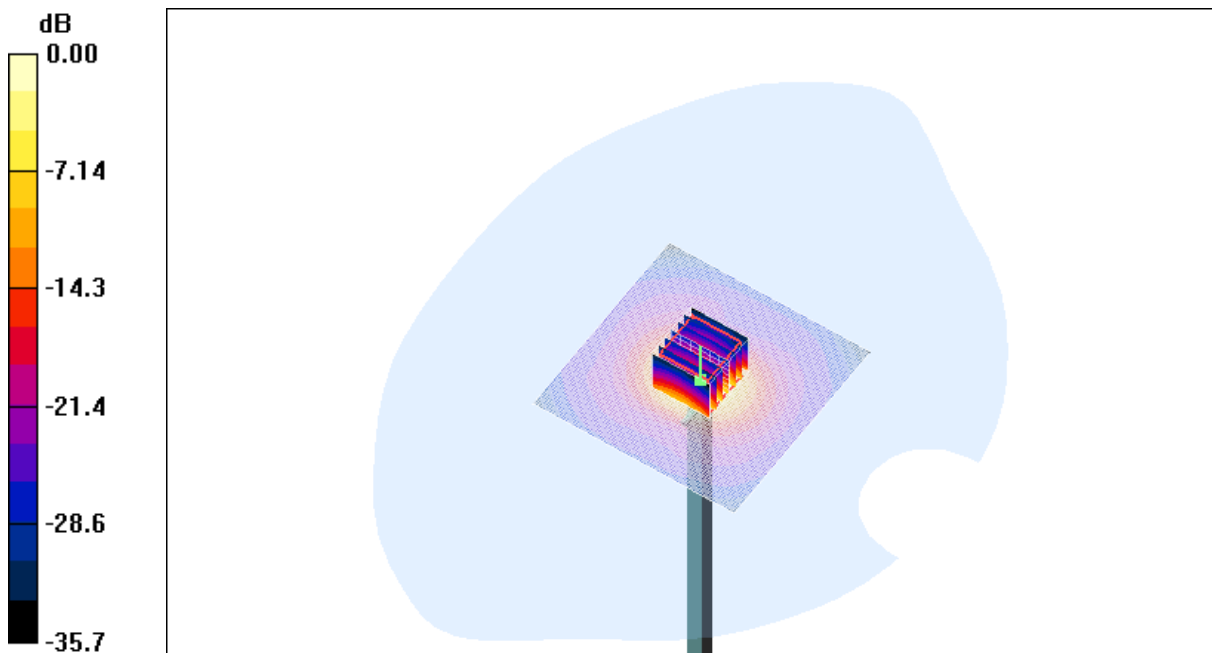
Channel 1 Test/Zoom Scan (7x7x8)/Cube 0: Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm

Reference Value = 101.0 V/m; Power Drift = 0.040 dB

Peak SAR (extrapolated) = 76.1 W/kg

SAR(1 g) = 20.9 mW/g; SAR(10 g) = 5.95 mW/g

Maximum value of SAR (measured) = 43.5 mW/g



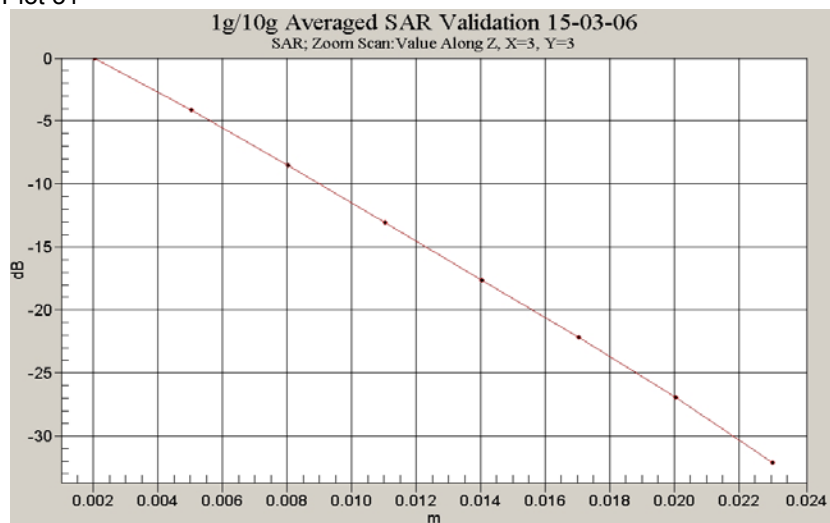
0 dB = 43.5mW/g

SAR MEASUREMENT PLOT 33

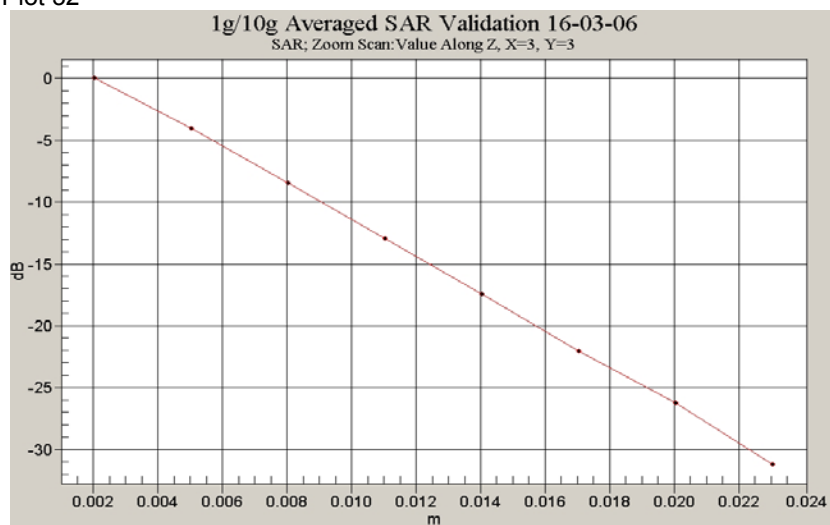
Ambient Temperature
Liquid Temperature
Humidity

21.4 Degrees Celsius
20.8 Degrees Celsius
50.0 %

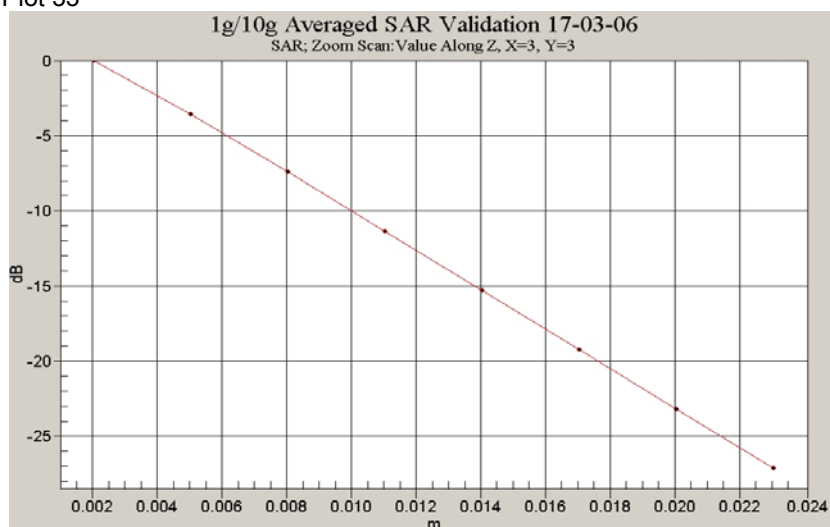
Z-Axis Graph for Plot 31



Z-Axis Graph for Plot 32



Z-Axis Graph for Plot 33



APPENDIX C

SAR TESTING EQUIPMENT CALIBRATION CERTIFICATE ATTACHMENTS

Calibration Certificate Attachments

- | | |
|--|----------|
| 1. 5GHz E-Field Probe Calibration Sheet | 10 Pages |
| 2. 5800/5200MHz Dipole Calibration Sheet | 6 pages |