

Test Date: 16 August 2006

File Name: [EU Arm Held OFDM 5.6 GHz Antenna B Bluetooth On 16-08-06.da4](#)

DUT: Fujitsu Tablet Osian with Atheros XB62 11abg Module; Type: XB62; Serial: MAC:0011F5-D82570

* Communication System: OFDM 5770 MHz EU; Frequency: 5500 MHz; Duty Cycle: 1:1

* Medium parameters used: $\sigma = 5.75297$ mho/m, $\epsilon_r = 46.4236$; $\rho = 1000$ 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 100 Test/Area Scan (161x121x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 1.87 mW/g

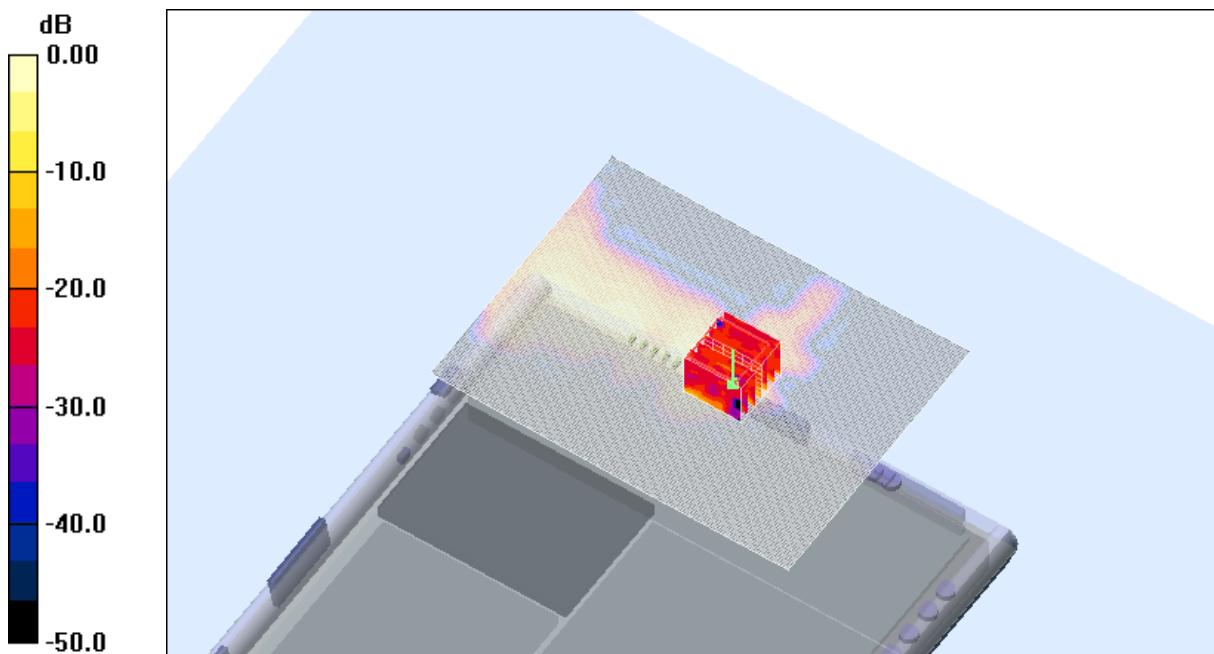
Channel 100 Test/Zoom Scan (7x7x8)/Cube 0: Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm

Reference Value = 18.1 V/m; Power Drift = -0.00 dB

Peak SAR (extrapolated) = 4.71 W/kg

SAR(1 g) = 0.838 mW/g; SAR(10 g) = 0.185 mW/g

Maximum value of SAR (measured) = 1.98 mW/g



0 dB = 1.98mW/g

SAR MEASUREMENT PLOT 31

Ambient Temperature
Liquid Temperature
Humidity

20.3 Degrees Celsius
19.8 Degrees Celsius
35.0 %

Test Date: 17 August 2006

File Name: [EU Edge On OFDM 5.6 GHz Ant A Bluetooth On 17-08-06.da4](#)

DUT: Fujitsu Tablet Osian with Atheros XB62 11abg Module; Type: XB62; Serial: MAC:0011F5-D82570

* Communication System: OFDM 5770 MHz EU; Frequency: 5700 MHz; Duty Cycle: 1:1

* Medium parameters used: $\sigma = 6.15686$ mho/m, $\epsilon_r = 45.5862$; $\rho = 1000$ 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 140 Test/Area Scan (161x121x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 2.02 mW/g

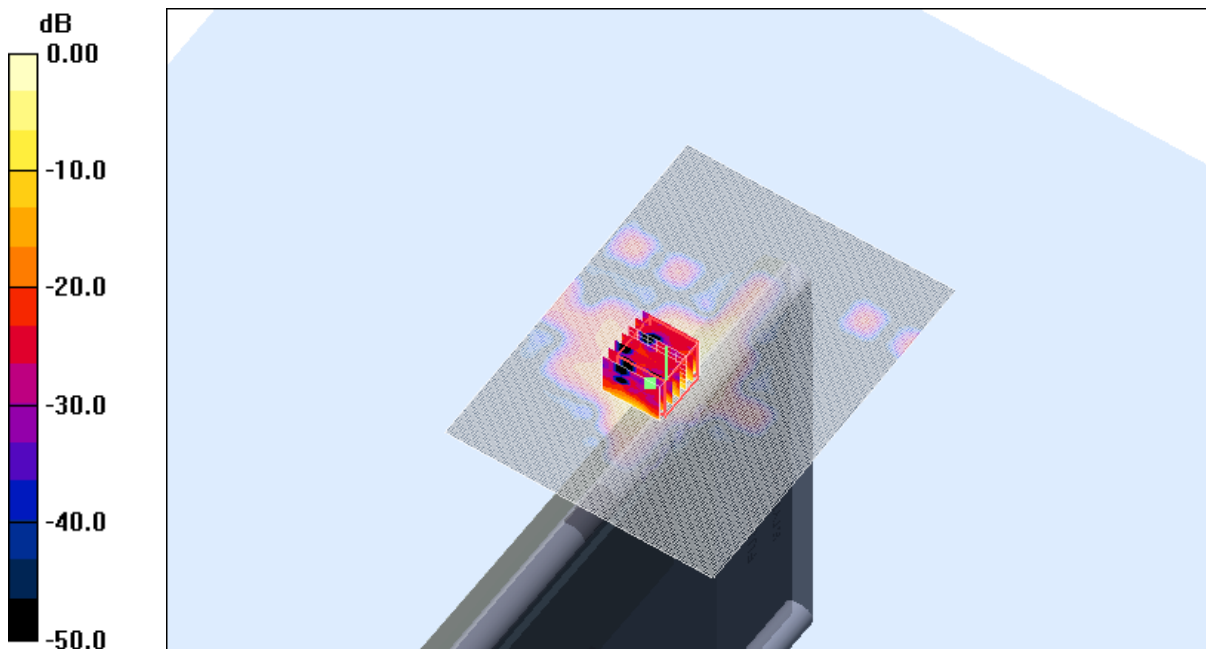
Channel 140 Test/Zoom Scan (7x7x8)/Cube 0: Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm

Reference Value = 9.97 V/m; Power Drift = 0.023 dB

Peak SAR (extrapolated) = 6.03 W/kg

SAR(1 g) = 1.08 mW/g; SAR(10 g) = 0.229 mW/g

Maximum value of SAR (measured) = 2.47 mW/g



0 dB = 2.47mW/g

SAR MEASUREMENT PLOT 32

Ambient Temperature
Liquid Temperature
Humidity

20.5 Degrees Celsius
20.1 Degrees Celsius
39.0 %

Test Date: 17 August 2006

File Name: [EU Edge On OFDM 5.6 GHz Antenna B Bluetooth On 17-08-06.da4](#)

DUT: Fujitsu Tablet Osian with Atheros XB62 11abg Module; Type: XB62; Serial: MAC:0011F5-D82570

* Communication System: OFDM 5770 MHz EU; Frequency: 5700 MHz; Duty Cycle: 1:1

* Medium parameters used: $\sigma = 6.15686$ mho/m, $\epsilon_r = 45.5862$; $\rho = 1000$ 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 140 Test/Area Scan (121x161x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 2.97 mW/g

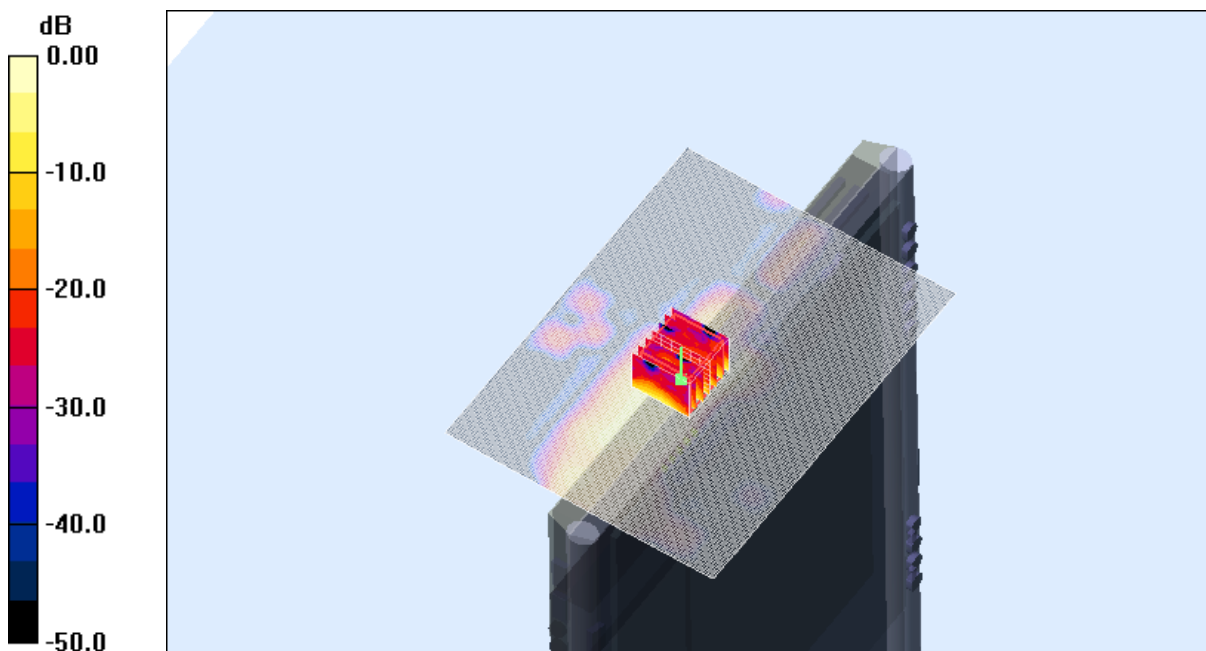
Channel 140 Test/Zoom Scan (7x7x8)/Cube 0: Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm

Reference Value = 11.3 V/m; Power Drift = -0.411 dB

Peak SAR (extrapolated) = 5.91 W/kg

SAR(1 g) = 1.32 mW/g; SAR(10 g) = 0.349 mW/g

Maximum value of SAR (measured) = 2.80 mW/g



0 dB = 2.80mW/g

SAR MEASUREMENT PLOT 33

Ambient Temperature

20.5 Degrees Celsius

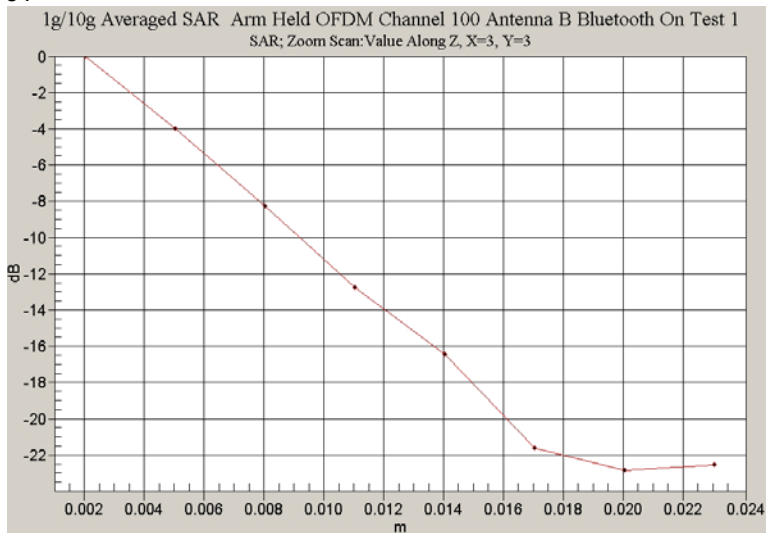
Liquid Temperature

20.1 Degrees Celsius

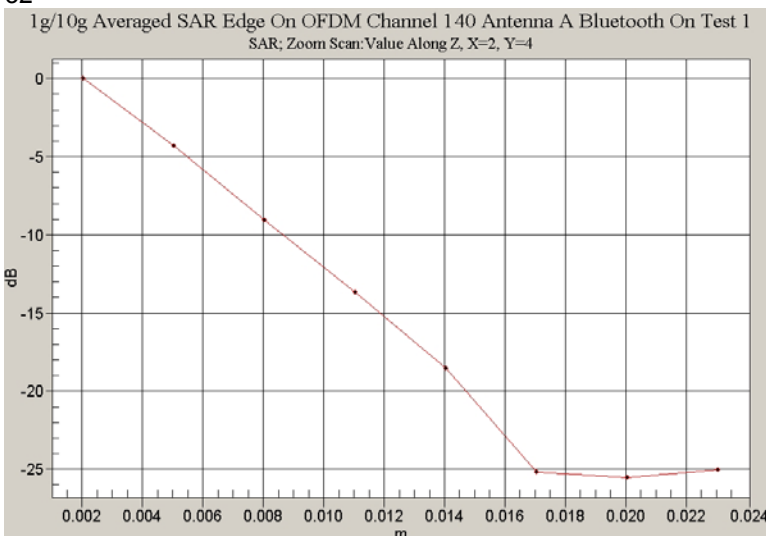
Humidity

39.0 %

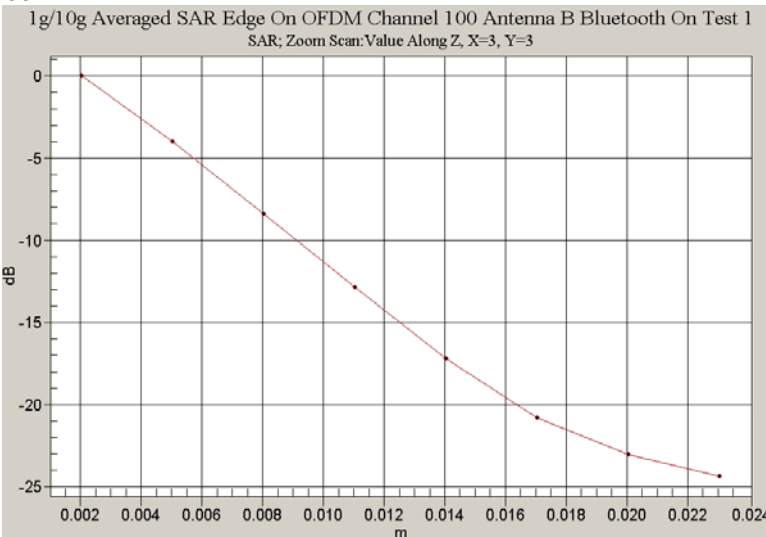
Z-Axis graph for plot 31



Z-Axis graph for plot 32



Z-Axis graph for plot 33



Test Date: 16 August 2006

File Name: [Validation 5800MHz \(DAE 442 Probe EX3DV4\) 16-08-06.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: $\sigma = 5.2958$ mho/m, $\epsilon_r = 35.5812$; $\rho = 1000$ 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) = 41.5 mW/g

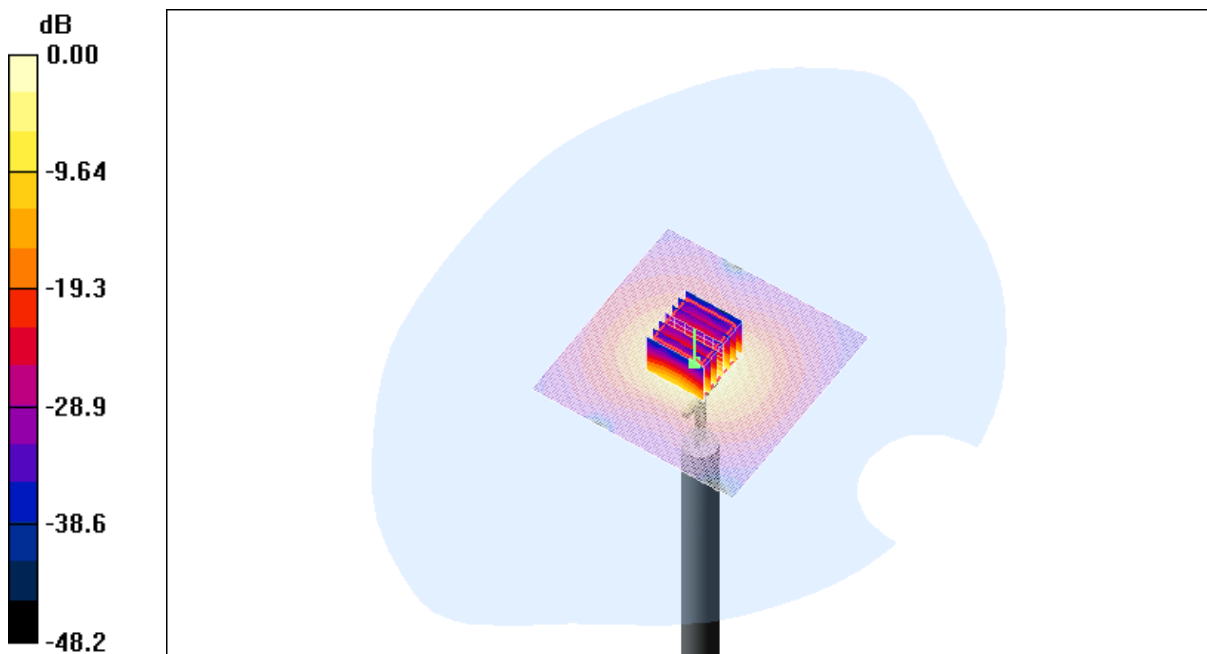
Channel 1 Test/Zoom Scan (7x7x8)/Cube 0: Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm

Reference Value = 91.5 V/m; Power Drift = 0.211 dB

Peak SAR (extrapolated) = 87.6 W/kg

SAR(1 g) = 19.7 mW/g; SAR(10 g) = 5.52 mW/g

Maximum value of SAR (measured) = 42.0 mW/g



0 dB = 42.0mW/g

SAR MEASUREMENT PLOT 34

Ambient Temperature
Liquid Temperature
Humidity

20.3 Degrees Celsius
19.8 Degrees Celsius
35.0 %

Test Date: 17 August 2006

File Name: [Validation 5800MHz \(DAE 442 Probe EX3DV4\) 17-08-06.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: $\sigma = 5.42689$ mho/m, $\epsilon_r = 35.665$; $\rho = 1000$ 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) = 43.5 mW/g

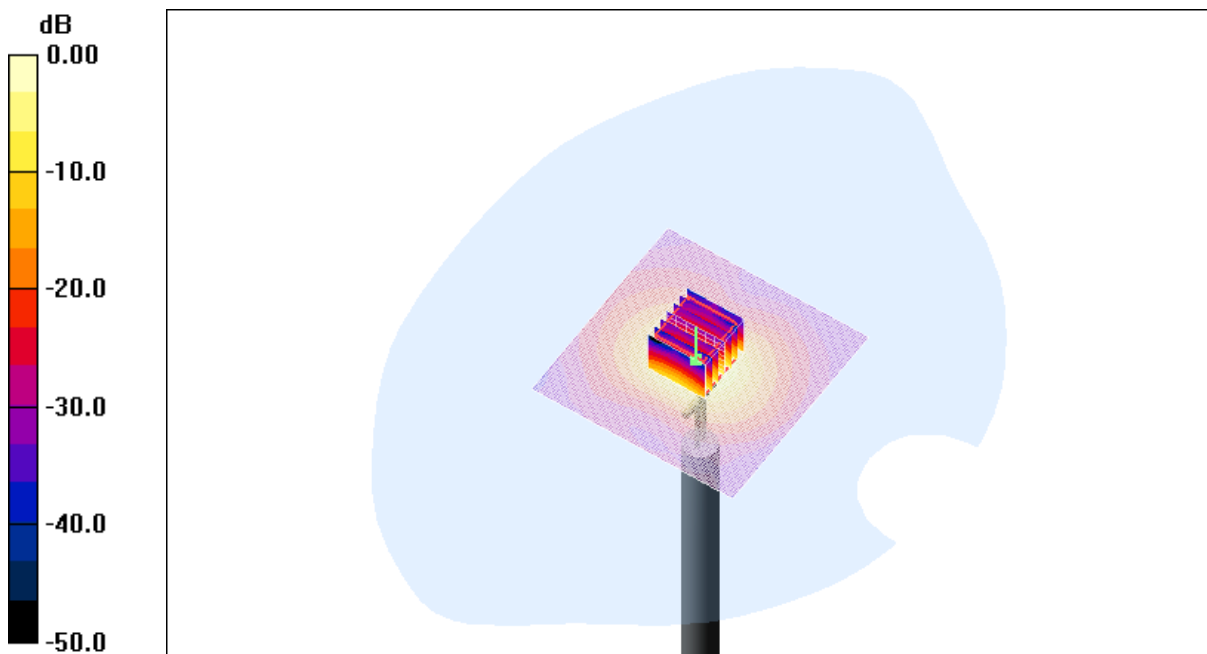
Channel 1 Test/Zoom Scan (7x7x8)/Cube 0: Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm

Reference Value = 91.0 V/m; Power Drift = 0.395 dB

Peak SAR (extrapolated) = 91.2 W/kg

SAR(1 g) = 20.2 mW/g; SAR(10 g) = 5.63 mW/g

Maximum value of SAR (measured) = 43.9 mW/g



0 dB = 43.9mW/g

SAR MEASUREMENT PLOT 35

Ambient Temperature
Liquid Temperature
Humidity

20.5 Degrees Celsius
20.1 Degrees Celsius
39.0 %

Test Date: 18 August 2006

File Name: [Validation 5200MHz \(DAE 442 Probe EX3DV4\) 18-08-06.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: $\sigma = 4.68379$ mho/m, $\epsilon_r = 34.5691$; $\rho = 1000$ kg/m³

- Electronics: DAE3 Sn442; Probe: EX3DV4 - SN3563; ConvF(4.18, 4.18, 4.18)

- 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) = 43.7 mW/g

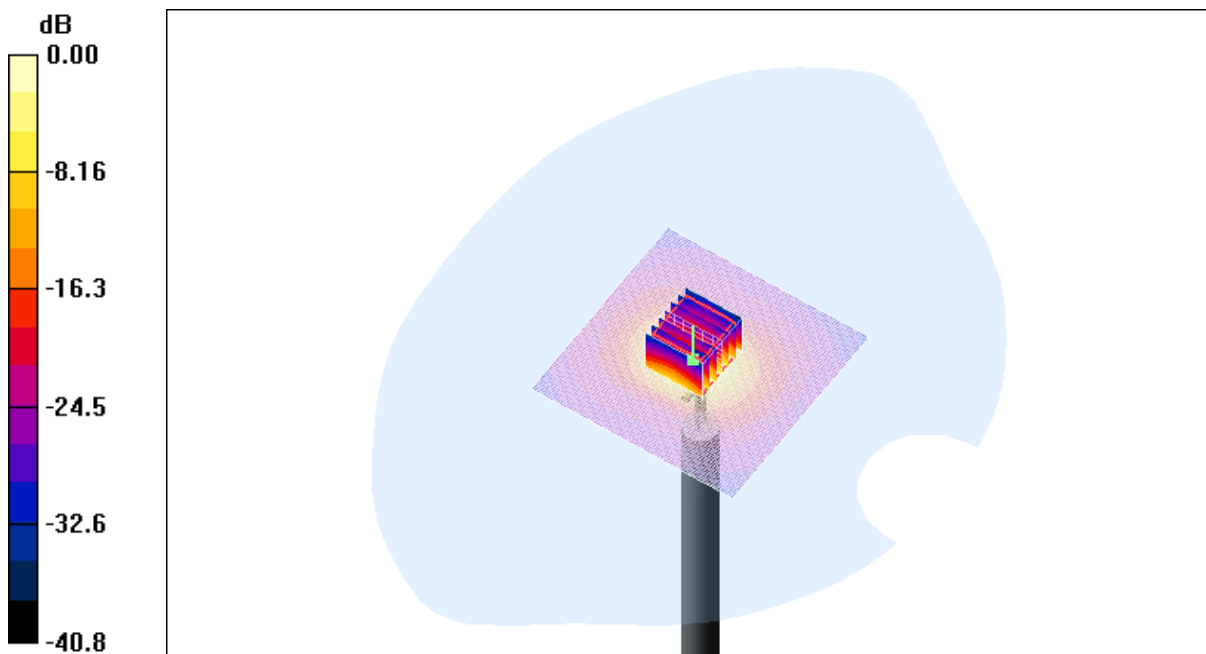
Channel 1 Test/Zoom Scan (7x7x8)/Cube 0: Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm

Reference Value = 95.9 V/m; Power Drift = 0.183 dB

Peak SAR (extrapolated) = 76.3 W/kg

SAR(1 g) = 20.2 mW/g; SAR(10 g) = 5.77 mW/g

Maximum value of SAR (measured) = 41.5 mW/g



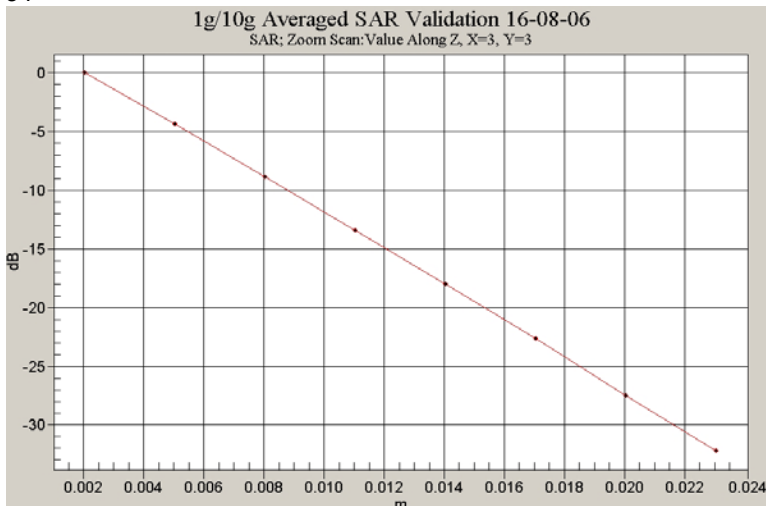
0 dB = 41.5mW/g

SAR MEASUREMENT PLOT 36

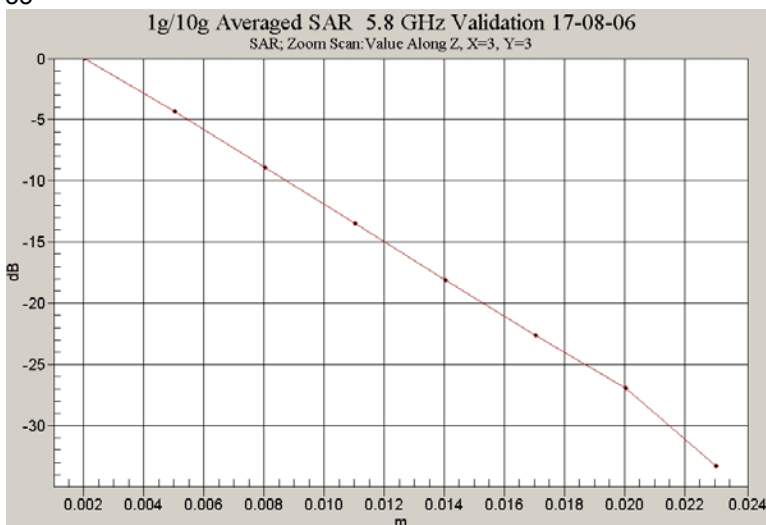
Ambient Temperature
Liquid Temperature
Humidity

20.2 Degrees Celsius
19.8 Degrees Celsius
35.0 %

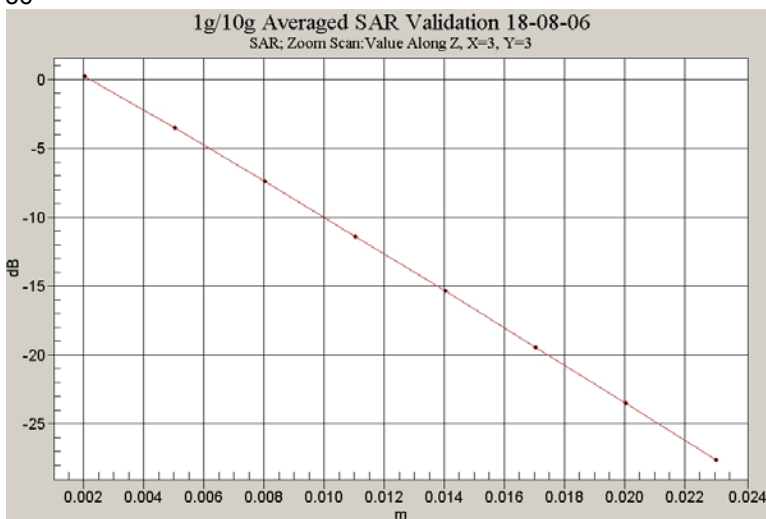
Z-Axis graph for plot 34



Z-Axis graph for plot 35



Z-Axis graph for plot 36



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 |