

Test Date: 16 September 2006

File Name: [Edge On OFDM 5.25 GHz Antenna Aux Side Bluetooth Off 16-09-06.da4](#)

DUT: Fujitsu Tablet Chalice with Golan 11abg and Bluetooth; Type: 3945 ABG; Serial: Host: R6700003

* Communication System: OFDM 5250 MHz; Frequency: 5180 MHz; Duty Cycle: 1:1

* Medium parameters used: $\sigma = 5.2503$ mho/m, $\epsilon_r = 46.604$; $\rho = 1000$ kg/m³

- Electronics: DAE3 Sn442; Probe: EX3DV4 - SN3563; ConvF(3.84, 3.84, 3.84)

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

Channel 36 Test/Area Scan (81x121x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.233 mW/g

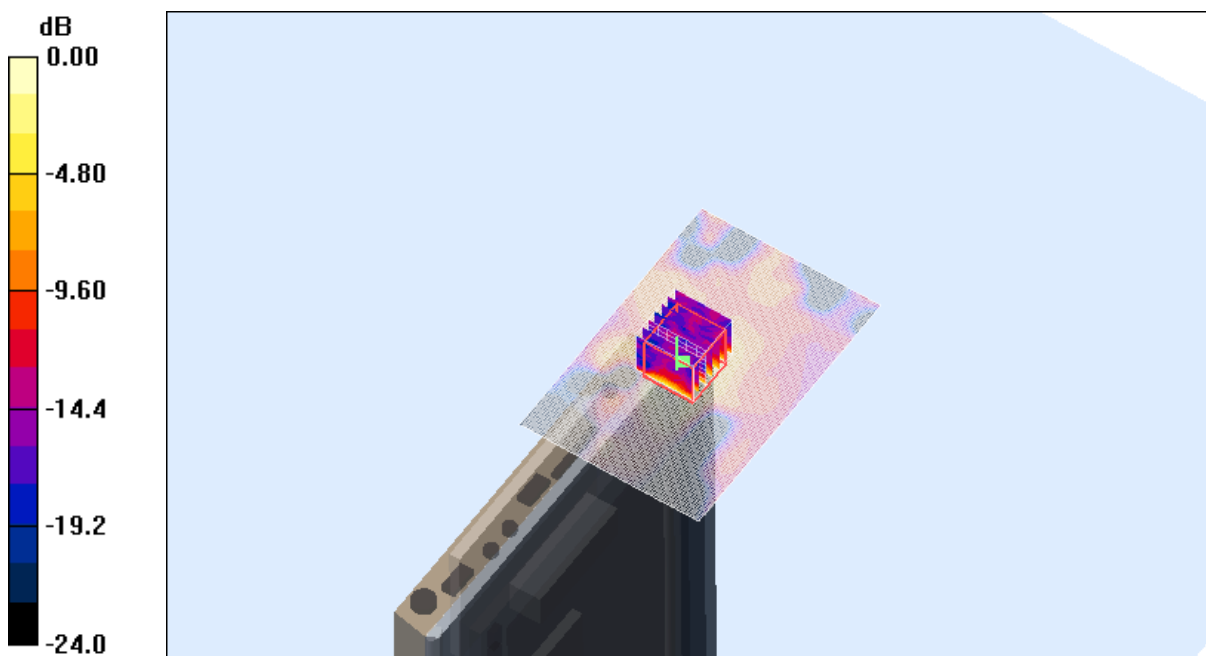
Channel 36 Test/Zoom Scan (7x7x8)/Cube 0: Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm

Reference Value = 7.49 V/m; Power Drift = 0.194 dB

Peak SAR (extrapolated) = 0.589 W/kg

SAR(1 g) = 0.167 mW/g; SAR(10 g) = 0.050 mW/g

Maximum value of SAR (measured) = 0.356 mW/g



0 dB = 0.356mW/g

SAR MEASUREMENT PLOT 7

Ambient Temperature
Liquid Temperature
Humidity

20.2 Degrees Celsius
19.8 Degrees Celsius
46.0 %

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DUT: Fujitsu Tablet Chalice with Golan 11abg and Bluetooth; Type: 3945 ABG; Serial: Host: R6700003

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

* Medium parameters used: $\sigma = 5.44662$ mho/m, $\epsilon_r = 46.3941$; $\rho = 1000$ kg/m³

- Electronics: DAE3 Sn442; Probe: EX3DV4 - SN3563; ConvF(3.84, 3.84, 3.84)

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

Channel 52 Test/Area Scan (81x121x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.283 mW/g

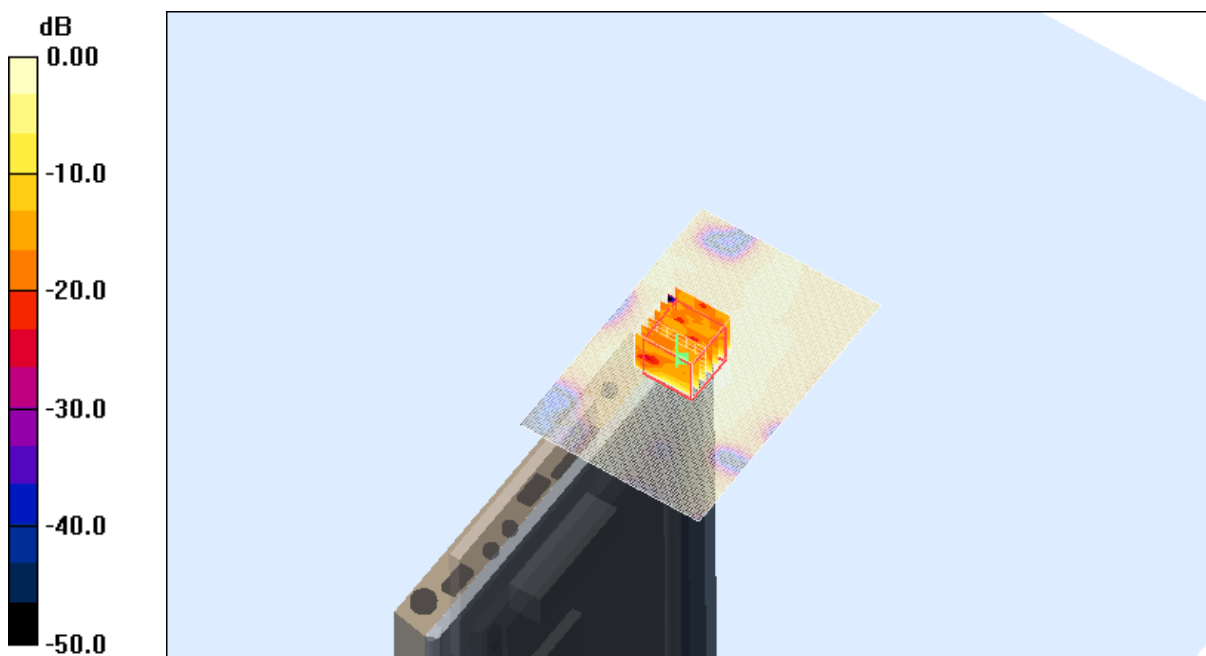
Channel 52 Test/Zoom Scan (7x7x8)/Cube 0: Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm

Reference Value = 7.53 V/m; Power Drift = 0.102 dB

Peak SAR (extrapolated) = 0.664 W/kg

SAR(1 g) = 0.171 mW/g; SAR(10 g) = 0.049 mW/g

Maximum value of SAR (measured) = 0.400 mW/g



0 dB = 0.400mW/g

SAR MEASUREMENT PLOT 8

Ambient Temperature
Liquid Temperature
Humidity

20.2 Degrees Celsius
19.8 Degrees Celsius
46.0 %

Test Date: 16 September 2006

File Name: [Edge On OFDM 5.25 GHz Antenna Aux Side Bluetooth Off 16-09-06.da4](#)

DUT: Fujitsu Tablet Chalice with Golan 11abg and Bluetooth; Type: 3945 ABG; Serial: Host: R6700003

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

* Medium parameters used: $\sigma = 5.51326$ mho/m, $\epsilon_r = 46.0136$; $\rho = 1000$ kg/m³

- Electronics: DAE3 Sn442; Probe: EX3DV4 - SN3563; ConvF(3.84, 3.84, 3.84)

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

Channel 64 Test/Area Scan (81x121x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.306 mW/g

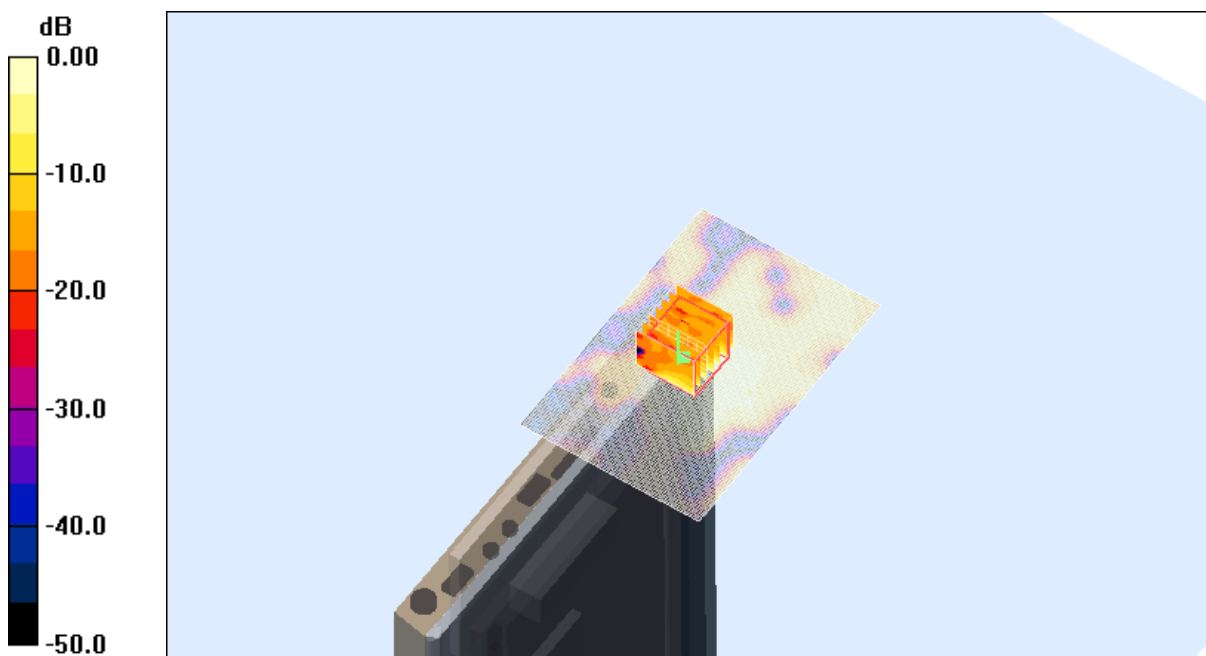
Channel 64 Test/Zoom Scan (7x7x8)/Cube 0: Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm

Reference Value = 6.73 V/m; Power Drift = 0.391 dB

Peak SAR (extrapolated) = 0.542 W/kg

SAR(1 g) = 0.144 mW/g; SAR(10 g) = 0.042 mW/g

Maximum value of SAR (measured) = 0.322 mW/g



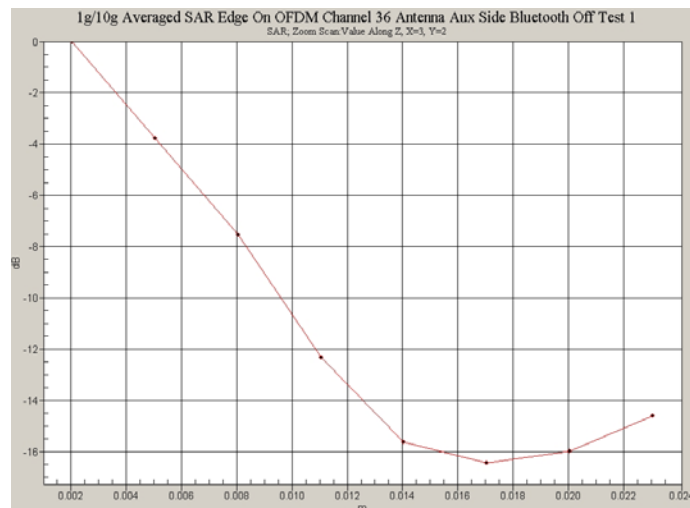
0 dB = 0.322mW/g

SAR MEASUREMENT PLOT 9

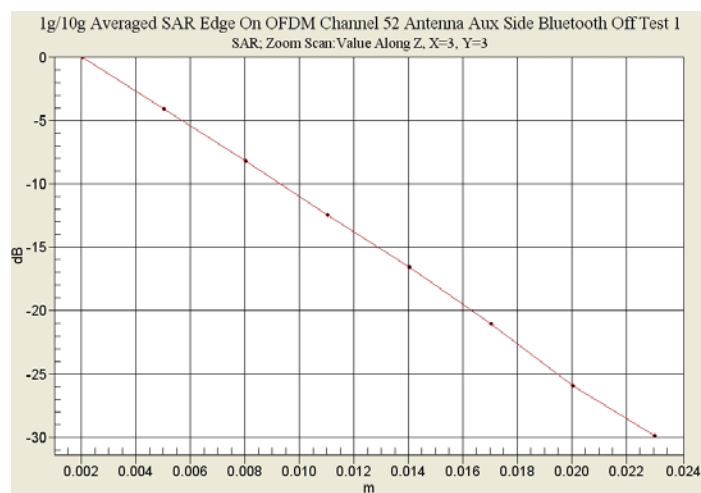
Ambient Temperature
Liquid Temperature
Humidity

20.2 Degrees Celsius
19.8 Degrees Celsius
46.0 %

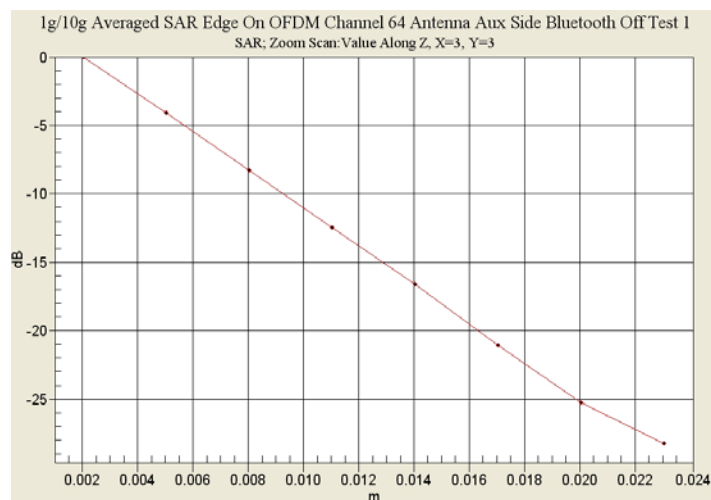
Z-Axis graph for plot 7



Z-Axis graph for plot 8



Z-Axis graph for plot 9



Test Date: 16 September 2006

File Name: [Arm Held OFDM 5.25 GHz Antenna Aux Bluetooth On 16-09-06.da4](#)

DUT: Fujitsu Tablet Chalice with Golan 11abg and Bluetooth; Type: 3945 ABG; Serial: Host: R6700003

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

* Medium parameters used: $\sigma = 5.51326$ mho/m, $\epsilon_r = 46.0136$; $\rho = 1000$ kg/m³

- Electronics: DAE3 Sn442; Probe: EX3DV4 - SN3563; ConvF(3.84, 3.84, 3.84)

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

Channel 64 Test/Area Scan (81x121x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 2.68 mW/g

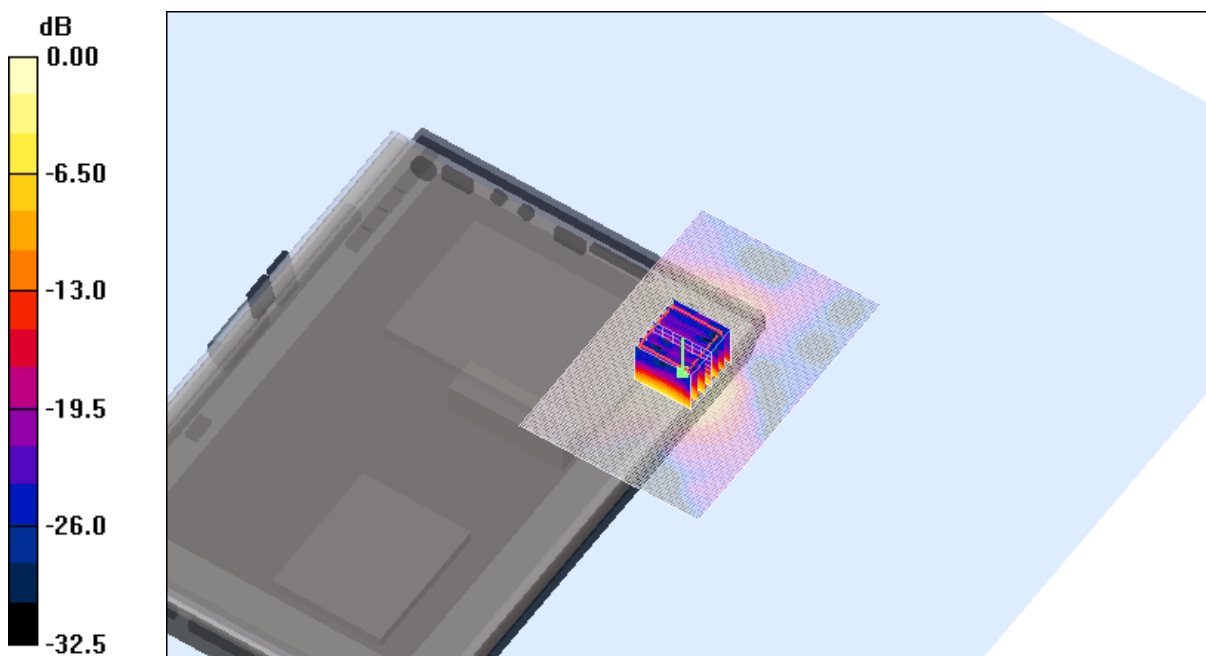
Channel 64 Test/Zoom Scan (7x7x8)/Cube 0: Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm

Reference Value = 20.2 V/m; Power Drift = -0.107 dB

Peak SAR (extrapolated) = 4.86 W/kg

SAR(1 g) = 1.36 mW/g; SAR(10 g) = 0.476 mW/g

Maximum value of SAR (measured) = 2.65 mW/g



0 dB = 2.65mW/g

SAR MEASUREMENT PLOT 10

Ambient Temperature
Liquid Temperature
Humidity

20.2 Degrees Celsius
19.8 Degrees Celsius
46.0 %

Test Date: 16 September 2006

File Name: [Arm Held OFDM 5.25 GHz Antenna Main Bluetooth On 16-09-06.da4](#)

DUT: Fujitsu Tablet Chalice with Golan 11abg and Bluetooth; Type: 3945 ABG; Serial: Host: R6700003

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

* Medium parameters used: $\sigma = 5.51326$ mho/m, $\epsilon_r = 46.0136$; $\rho = 1000$ kg/m³

- Electronics: DAE3 Sn442; Probe: EX3DV4 - SN3563; ConvF(3.84, 3.84, 3.84)

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

Channel 64 Test/Area Scan (81x121x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 2.60 mW/g

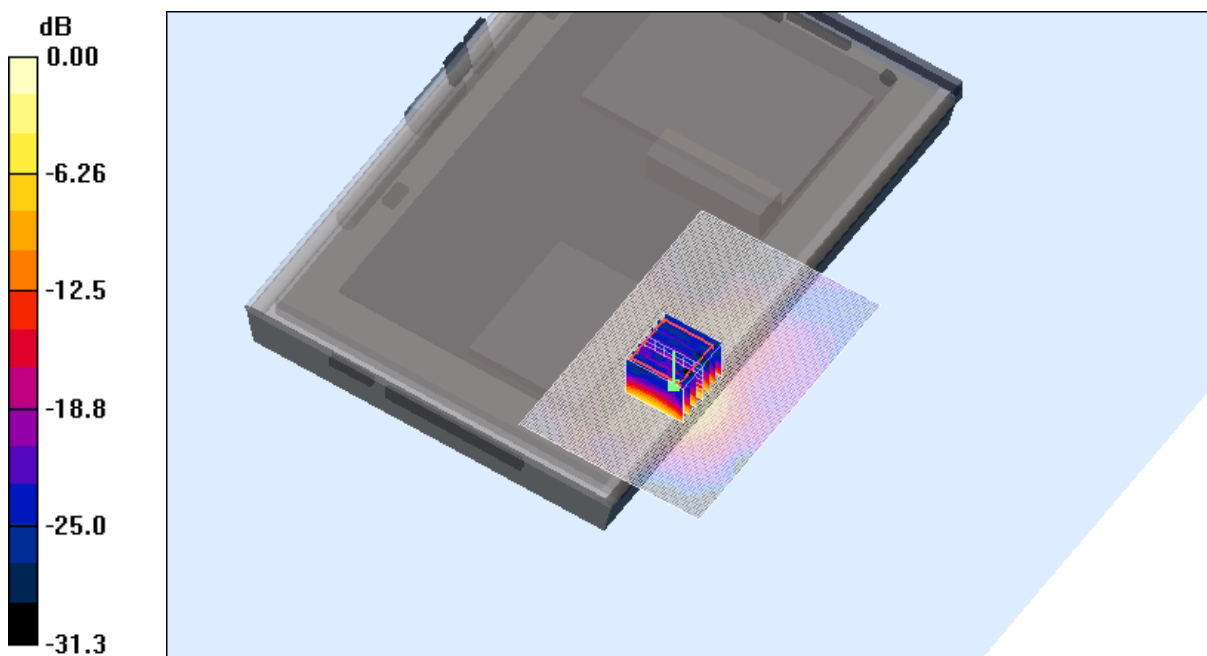
Channel 64 Test/Zoom Scan (7x7x8)/Cube 0: Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm

Reference Value = 9.93 V/m; Power Drift = -0.275 dB

Peak SAR (extrapolated) = 4.92 W/kg

SAR(1 g) = 1.34 mW/g; SAR(10 g) = 0.438 mW/g

Maximum value of SAR (measured) = 2.68 mW/g



0 dB = 2.68mW/g

SAR MEASUREMENT PLOT 11

Ambient Temperature
Liquid Temperature
Humidity

20.2 Degrees Celsius
19.8 Degrees Celsius
46.0 %

Test Date: 16 September 2006

File Name: [Validation 5200MHz \(DAE 442 Probe EX3DV4\) 16-09-06.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: $\sigma = 4.69878$ mho/m, $\epsilon_r = 34.6752$; $\rho = 1000$ 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) = 40.5 mW/g

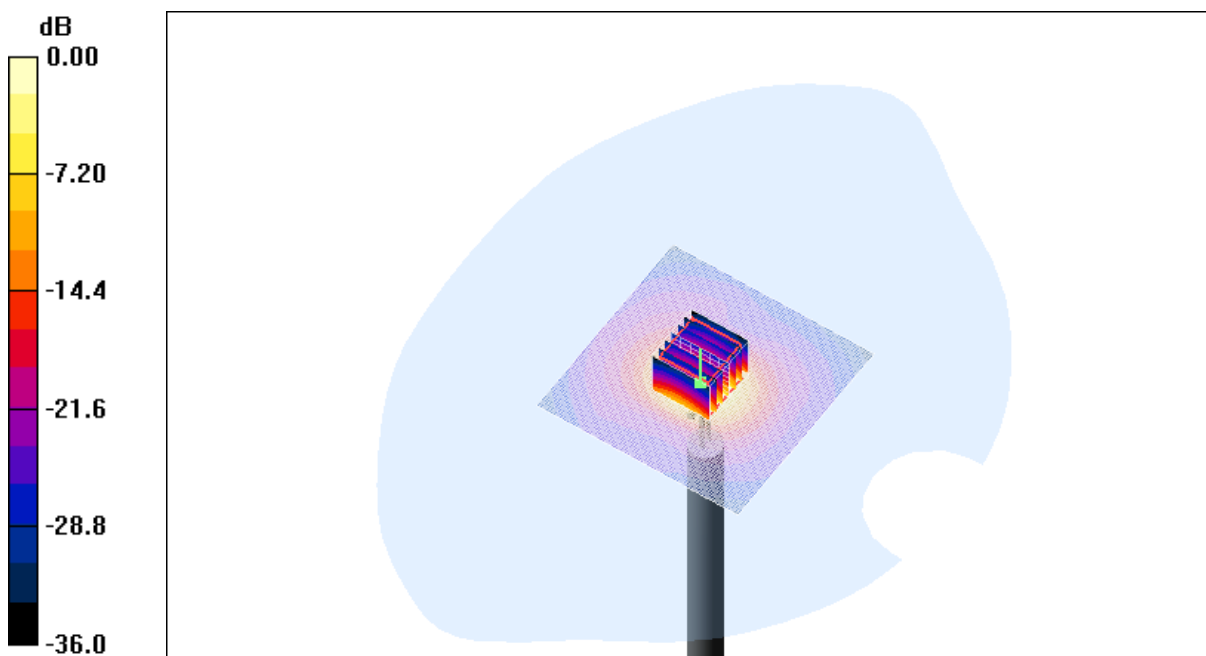
Channel 1 Test/Zoom Scan (7x7x8)/Cube 0: Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm

Reference Value = 97.1 V/m; Power Drift = 0.191 dB

Peak SAR (extrapolated) = 75.7 W/kg

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

Maximum value of SAR (measured) = 41.9 mW/g



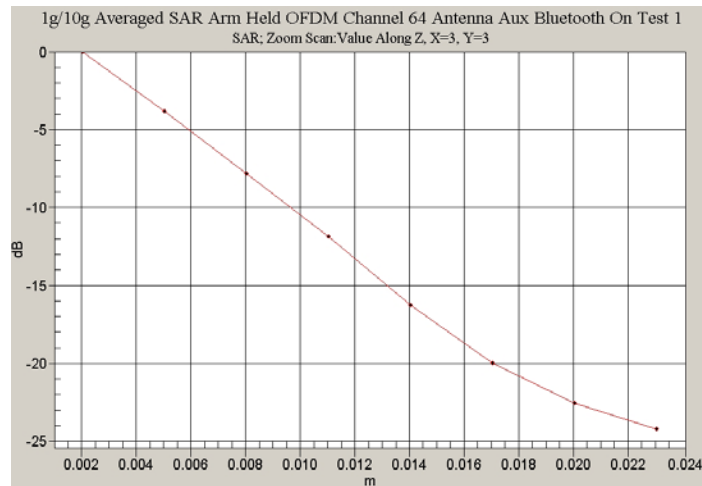
0 dB = 41.9mW/g

SAR MEASUREMENT PLOT 12

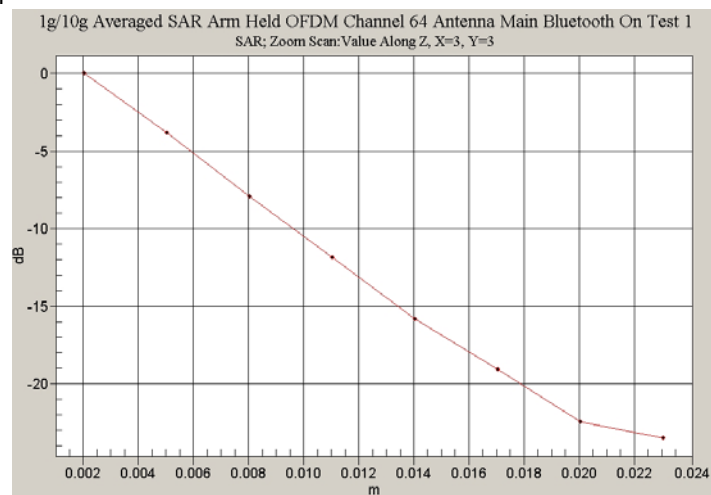
Ambient Temperature
Liquid Temperature
Humidity

20.2 Degrees Celsius
19.8 Degrees Celsius
46.0 %

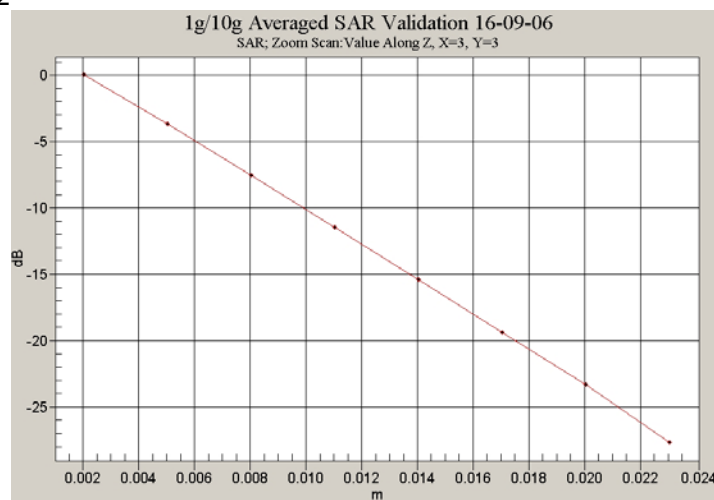
Z-Axis graph for plot 10



Z-Axis graph for plot 11



Z-Axis graph for plot 12



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 |