

Test Date: 16 September 2004

File Name: [Tablet OFDM 5.2 GHz Ant Main Bluetooth Off 16-09-04.da4](#)

DUT: Fujitsu Tablet Soriel with Calexico 11abg and Bluetooth; Type: 2915ABG; Serial: 344EE5244ABC51962012

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

* Medium parameters used: $\sigma = 5.29186$; mho/m, $\epsilon_r = 45.3896$; $\rho = 1000 \text{ kg/m}^3$

- Electronics: DAE3 Sn359; Probe: ES3DV3- SN3029; ConvF(2.05, 2.05, 2.05)

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

Channel 052 Test/Area Scan (81x61x1): Measurement grid: dx=20mm, dy=20mm

Reference Value = 13.8 V/m; Power Drift = -0.2 dB

Maximum value of SAR (interpolated) = 0.770 mW/g

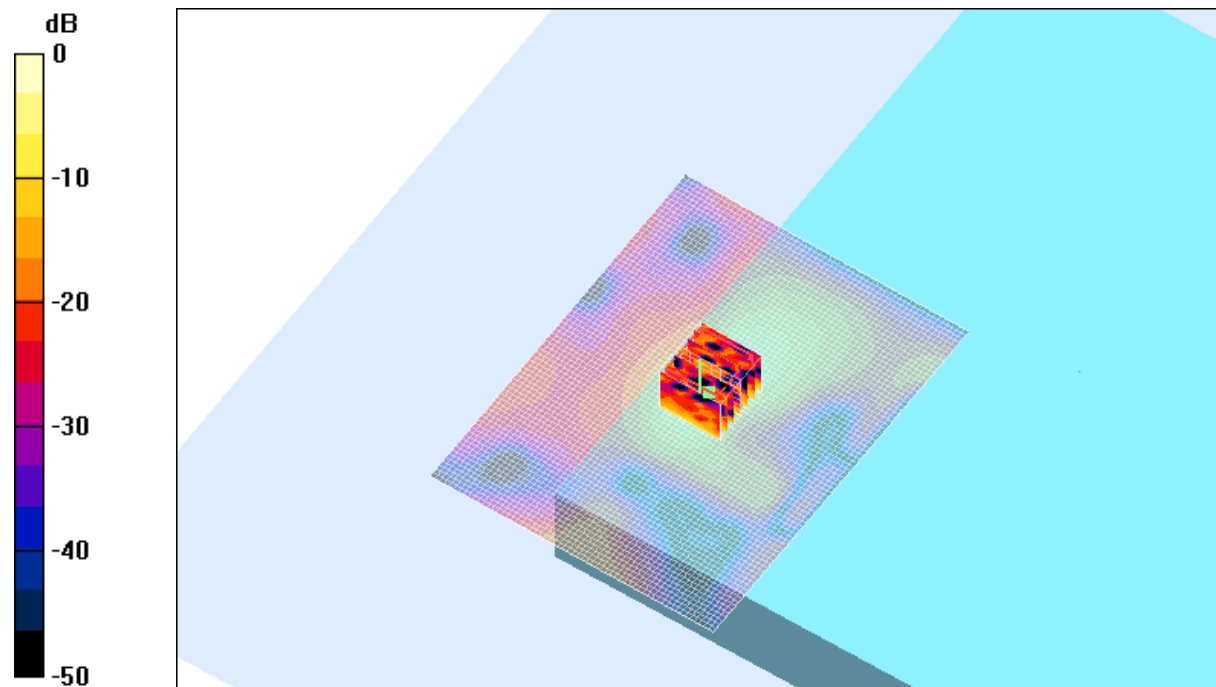
Channel 052 Test/Zoom Scan (7x7x8)/Cube 0: Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm

Reference Value = 13.8 V/m; Power Drift = -0.2 dB

Maximum value of SAR (measured) = 0.871 mW/g

Peak SAR (extrapolated) = 2.04 W/kg

SAR(1 g) = 0.554 mW/g; SAR(10 g) = 0.165 mW/g



0 dB = 0.871mW/g

SAR MEASUREMENT PLOT 11

Ambient Temperature

20.8 Degrees Celsius

Liquid Temperature

20.3 Degrees Celsius

Humidity

42.0 %

Test Date: 16 September 2004

File Name: [Tablet OFDM 5.2 GHz Ant Main Bluetooth Off 16-09-04.da4](#)

DUT: Fujitsu Tablet Soriel with Calexico 11abg and Bluetooth; Type: 2915ABG; Serial: 344EE5244ABC51962012

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

* Medium parameters used: $\sigma = 5.3991$; mho/m, $\epsilon_r = 45.2352$; $\rho = 1000 \text{ kg/m}^3$

- Electronics: DAE3 Sn359; Probe: ES3DV3- SN3029; ConvF(2.05, 2.05, 2.05)

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

Channel 064 Test/Area Scan (81x61x1): Measurement grid: dx=20mm, dy=20mm

Reference Value = 8.85 V/m; Power Drift = 0.3 dB

Maximum value of SAR (interpolated) = 0.389 mW/g

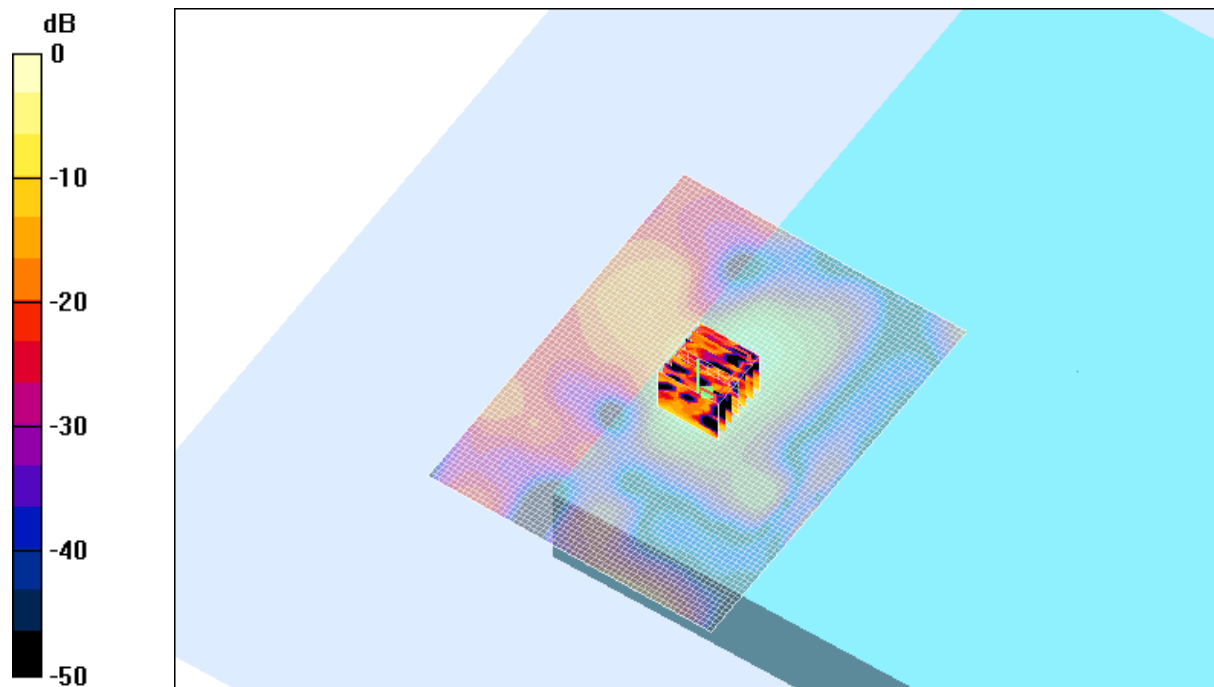
Channel 064 Test/Zoom Scan (7x7x8)/Cube 0: Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm

Reference Value = 8.85 V/m; Power Drift = 0.3 dB

Maximum value of SAR (measured) = 0.367 mW/g

Peak SAR (extrapolated) = 0.991 W/kg

SAR(1 g) = 0.252 mW/g; SAR(10 g) = 0.079 mW/g



0 dB = 0.367mW/g

SAR MEASUREMENT PLOT 12

Ambient Temperature

20.8 Degrees Celsius

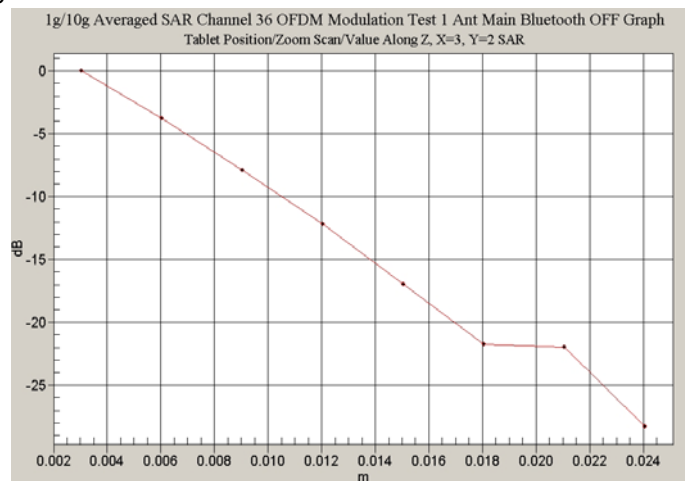
Liquid Temperature

20.3 Degrees Celsius

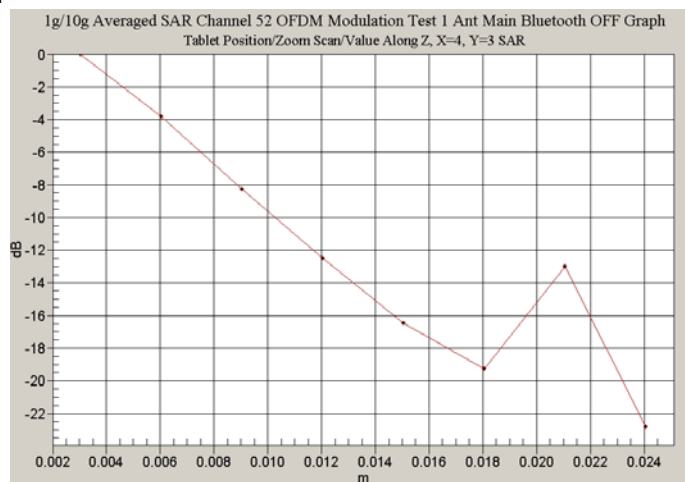
Humidity

42.0 %

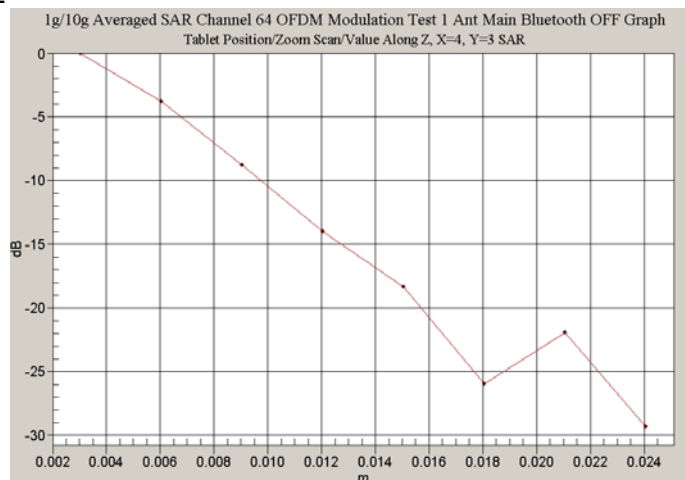
Z-Axis Graph for Plot 10



Z-Axis Graph for Plot 11



Z-Axis Graph for Plot 12



Test Date: 20 September 2004

File Name: [EU Arm Held OFDM 5.2 GHz Antenna Aux Bluetooth Off 20-09-04.da4](#)

DUT: Fujitsu Tablet Soriel with Calexico 11abg and Bluetooth; Type: 2915ABG; Serial: 344EE5244ABC51962012

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

* Medium parameters used: $\sigma = 5.18667$; mho/m, $\epsilon_r = 45.0911$; $\rho = 1000 \text{ kg/m}^3$

- Electronics: DAE3 Sn359; Probe: ES3DV3- SN3029; ConvF(2.05, 2.05, 2.05)

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

Channel 036 Test/Area Scan (81x61x1): Measurement grid: dx=20mm, dy=20mm

Reference Value = 7.42 V/m; Power Drift = -0.2 dB

Maximum value of SAR (interpolated) = 0.308 mW/g

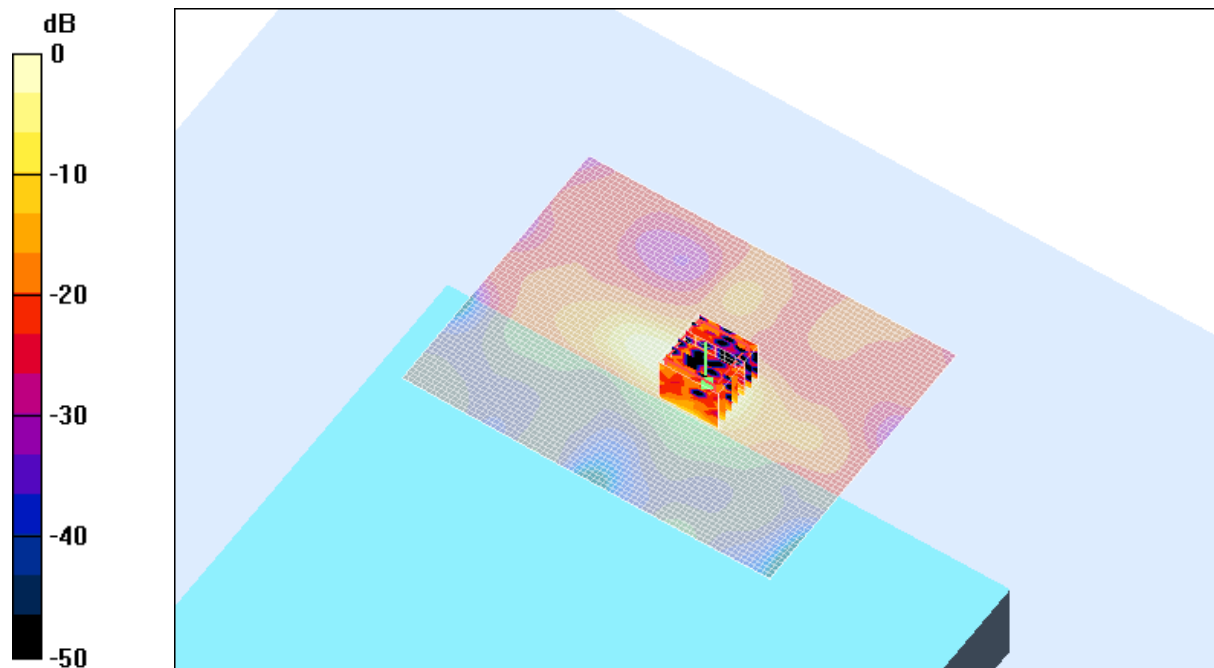
Channel 036 Test/Zoom Scan (7x7x8)/Cube 0: Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm

Reference Value = 7.42 V/m; Power Drift = -0.2 dB

Maximum value of SAR (measured) = 0.552 mW/g

Peak SAR (extrapolated) = 1.36 W/kg

SAR(1 g) = 0.344 mW/g; SAR(10 g) = 0.088 mW/g



0 dB = 0.552mW/g

SAR MEASUREMENT PLOT 13

Ambient Temperature
Liquid Temperature
Humidity

20.9 Degrees Celsius
20.2 Degrees Celsius
44.0 %

Test Date: 20 September 2004

File Name: [EU Arm Held OFDM 5.2 GHz Antenna Aux Bluetooth Off 20-09-04.da4](#)

DUT: Fujitsu Tablet Soriel with Calexico 11abg and Bluetooth; Type: 2915ABG; Serial: 344EE5244ABC51962012

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

* Medium parameters used: $\sigma = 5.32995$; mho/m, $\epsilon_r = 44.9142$; $\rho = 1000 \text{ kg/m}^3$

- Electronics: DAE3 Sn359; Probe: ES3DV3- SN3029; ConvF(2.05, 2.05, 2.05)

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

Channel 052 Test/Area Scan (81x61x1): Measurement grid: dx=20mm, dy=20mm

Reference Value = 10 V/m; Power Drift = -0.008 dB

Maximum value of SAR (interpolated) = 0.621 mW/g

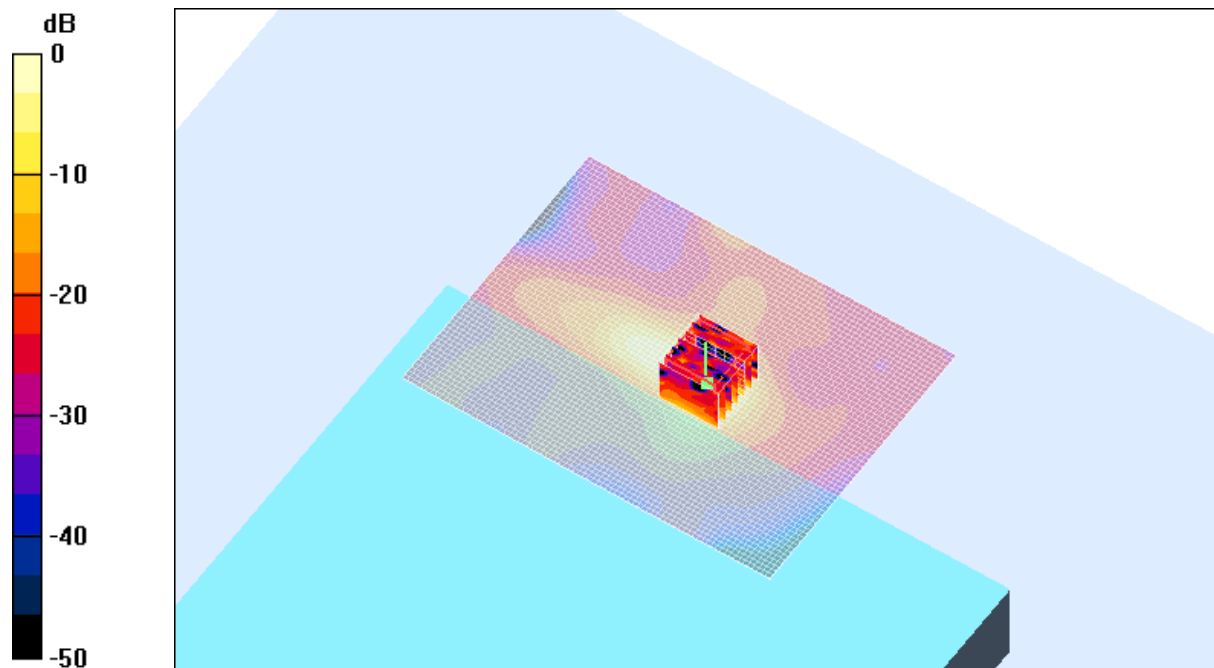
Channel 052 Test/Zoom Scan (7x7x8)/Cube 0: Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm

Reference Value = 10 V/m; Power Drift = -0.008 dB

Maximum value of SAR (measured) = 1.06 mW/g

Peak SAR (extrapolated) = 2.62 W/kg

SAR(1 g) = 0.644 mW/g; SAR(10 g) = 0.160 mW/g



0 dB = 1.06mW/g

SAR MEASUREMENT PLOT 14

Ambient Temperature
Liquid Temperature
Humidity

20.9 Degrees Celsius
20.2 Degrees Celsius
44.0 %

Test Date: 20 September 2004

File Name: [EU Arm Held OFDM 5.2 GHz Antenna Aux Bluetooth Off 20-09-04.da4](#)

DUT: Fujitsu Tablet Soriel with Calexico 11abg and Bluetooth; Type: 2915ABG; Serial: 344EE5244ABC51962012

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

* Medium parameters used: $\sigma = 5.43572$; mho/m, $\epsilon_r = 44.8173$; $\rho = 1000 \text{ kg/m}^3$

- Electronics: DAE3 Sn359; Probe: ES3DV3- SN3029; ConvF(2.05, 2.05, 2.05)

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

Channel 064 Test/Area Scan (81x61x1): Measurement grid: dx=20mm, dy=20mm

Reference Value = 13.2 V/m; Power Drift = 0.4 dB

Maximum value of SAR (interpolated) = 1.07 mW/g

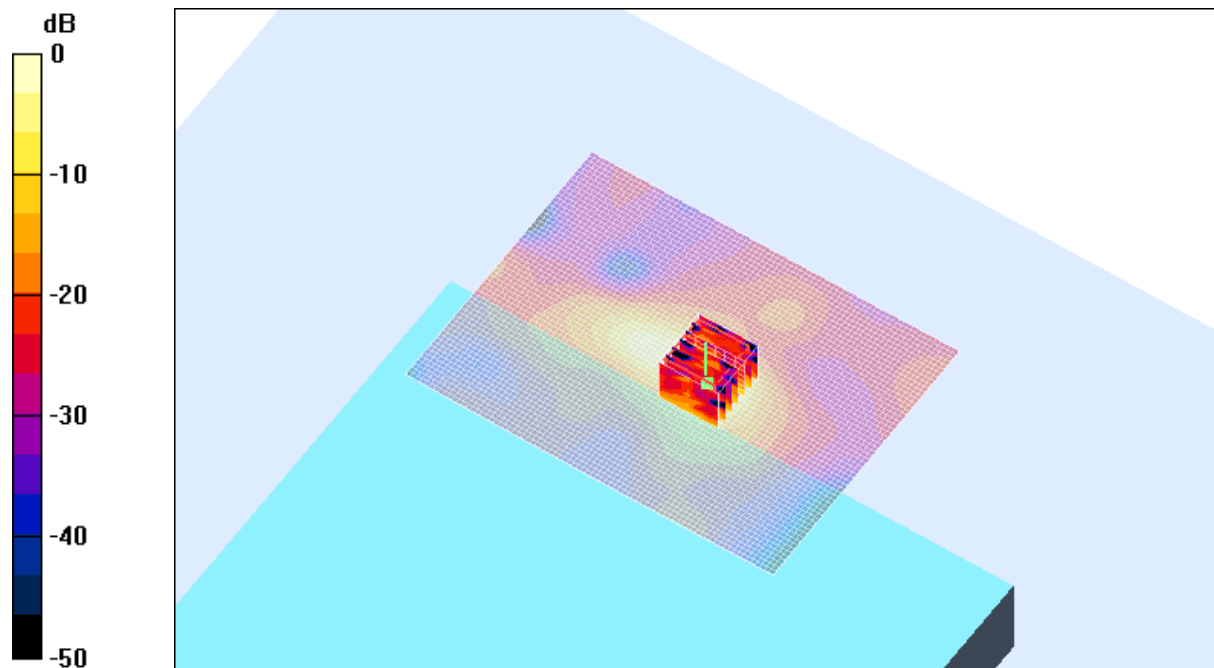
Channel 064 Test/Zoom Scan (7x7x8)/Cube 0: Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm

Reference Value = 13.2 V/m; Power Drift = 0.4 dB

Maximum value of SAR (measured) = 1.75 mW/g

Peak SAR (extrapolated) = 4.38 W/kg

SAR(1 g) = 1.04 mW/g; SAR(10 g) = 0.262 mW/g



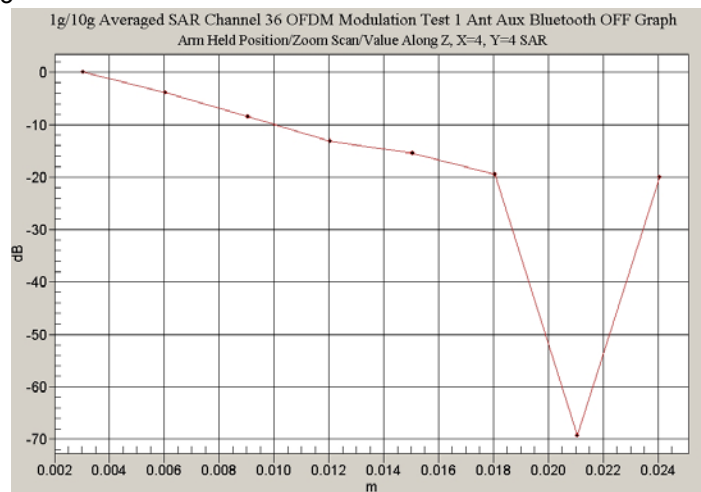
0 dB = 1.75mW/g

SAR MEASUREMENT PLOT 15

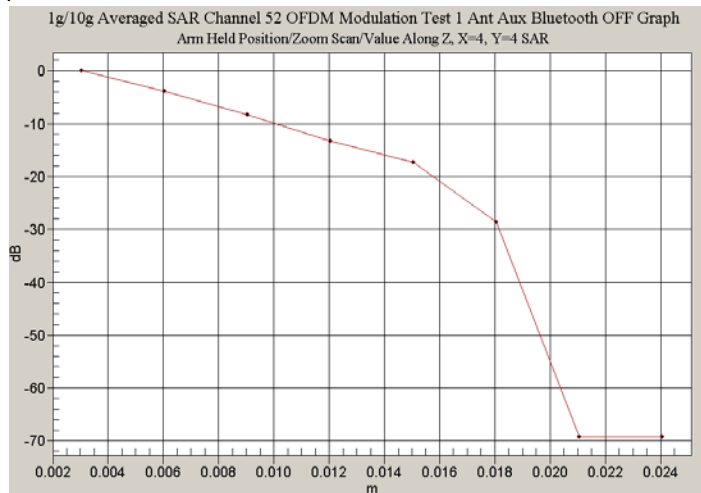
Ambient Temperature
Liquid Temperature
Humidity

20.9 Degrees Celsius
20.2 Degrees Celsius
44.0 %

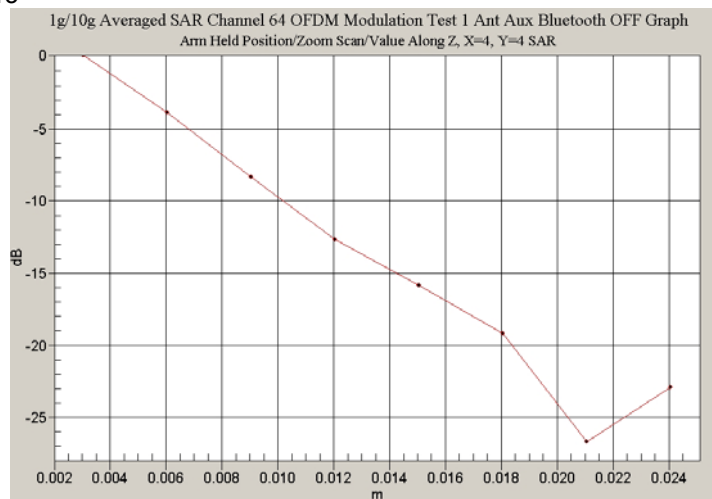
Z-Axis Graph for Plot 13



Z-Axis Graph for Plot 14



Z-Axis Graph for Plot 15



Test Date: 15 September 2004

File Name: [Validation 5800MHz \(DAE 359 Probe ES3DV3\) 15-09-04.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: $\sigma = 6.41681$; mho/m, $\epsilon_r = 43.7698$; $\rho = 1000 \text{ kg/m}^3$

- Electronics: DAE3 Sn359; Probe: ES3DV3- SN3029; ConvF(1.8, 1.8, 1.8)

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

Channel 1 Test 3/Area Scan (91x91x1): Measurement grid: dx=10mm, dy=10mm

Reference Value = 74.4 V/m; Power Drift = 0.1 dB

Maximum value of SAR (interpolated) = 31 mW/g

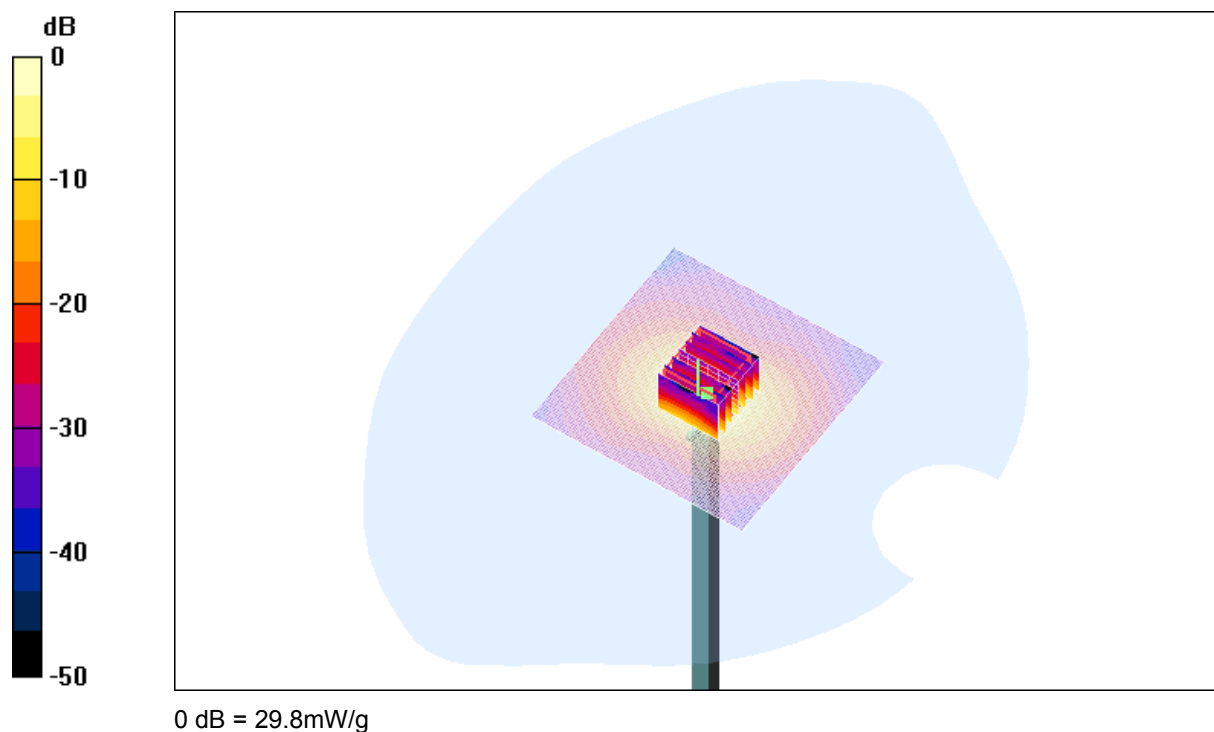
Channel 1 Test 3/Zoom Scan (7x7x8)/Cube 0: Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm

Reference Value = 74.4 V/m; Power Drift = 0.1 dB

Maximum value of SAR (measured) = 29.8 mW/g

Peak SAR (extrapolated) = 85.8 W/kg

SAR(1 g) = 20.4 mW/g; SAR(10 g) = 5.67 mW/g



SAR MEASUREMENT PLOT 16

Ambient Temperature
Liquid Temperature
Humidity

20.8 Degrees Celsius
20.1 Degrees Celsius
43.0 %

Test Date: 16 September 2004

File Name: [Validation 5200MHz \(DAE 359 Probe ES3DV3\) 16-09-04.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: $\sigma = 5.05265$; mho/m, $\epsilon_r = 45.4578$; $\rho = 1000$ kg/m³

- Electronics: DAE3 Sn359; Probe: ES3DV3- SN3029; ConvF(2.05, 2.05, 2.05)

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

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

Reference Value = 85.8 V/m; Power Drift = 0.1 dB

Maximum value of SAR (interpolated) = 34.5 mW/g

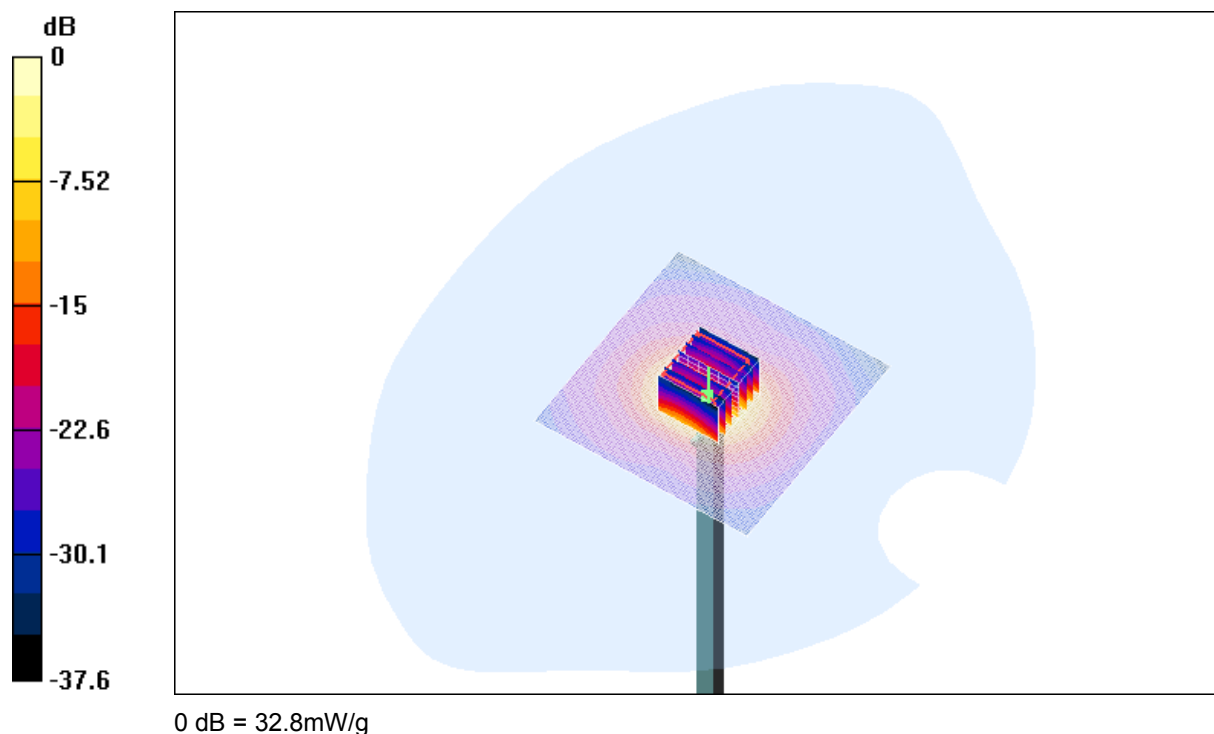
Channel 1 Test/Zoom Scan (7x7x8)/Cube 0: Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm

Reference Value = 85.8 V/m; Power Drift = 0.1 dB

Maximum value of SAR (measured) = 32.8 mW/g

Peak SAR (extrapolated) = 87.5 W/kg

SAR(1 g) = 22.5 mW/g; SAR(10 g) = 6.25 mW/g



SAR MEASUREMENT PLOT 17

Ambient Temperature
Liquid Temperature
Humidity

20.8 Degrees Celsius
20.3 Degrees Celsius
42.0 %

Test Date: 17 September 2004

File Name: [Validation 5800MHz \(DAE 359 Probe ES3DV3\) 17-09-04.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: $\sigma = 6.30335$; mho/m, $\epsilon_r = 43.5951$; $\rho = 1000$ kg/m³

- Electronics: DAE3 Sn359; Probe: ES3DV3- SN3029; ConvF(1.8, 1.8, 1.8)

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

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

Reference Value = 76.7 V/m; Power Drift = 0.2 dB

Maximum value of SAR (interpolated) = 31.6 mW/g

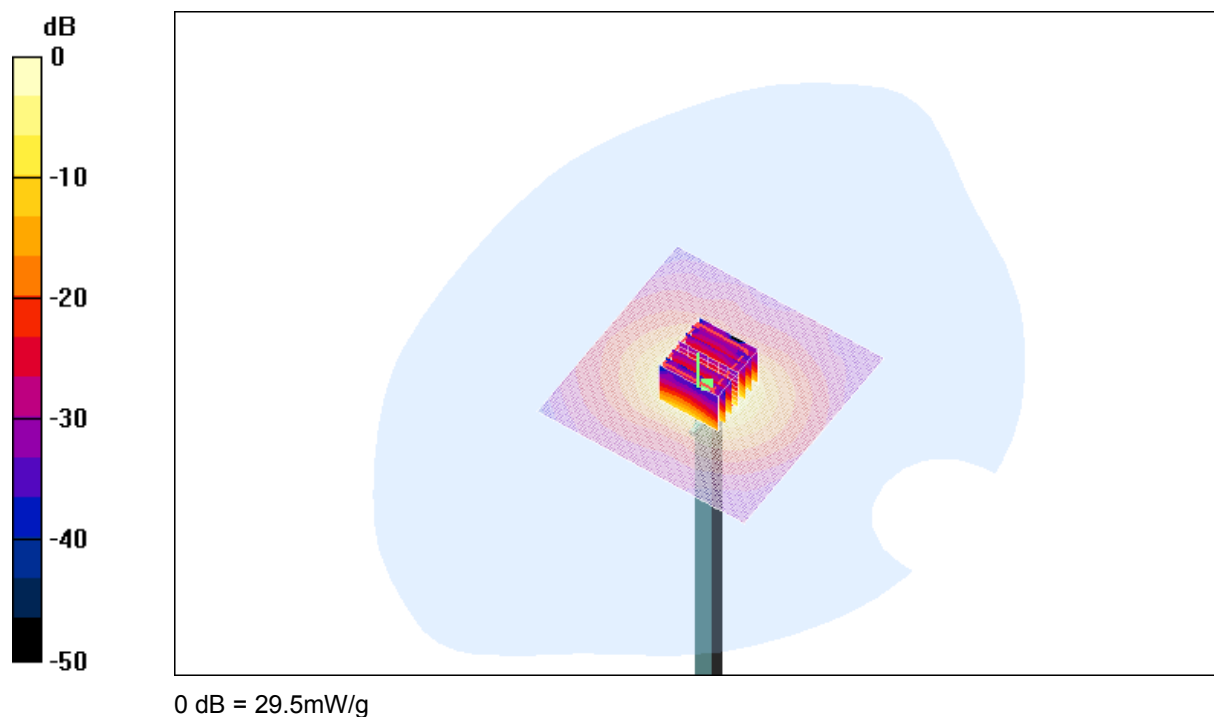
Channel 1 Test 2/Zoom Scan (7x7x8)/Cube 0: Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm

Reference Value = 76.7 V/m; Power Drift = 0.2 dB

Maximum value of SAR (measured) = 29.5 mW/g

Peak SAR (extrapolated) = 85.5 W/kg

SAR(1 g) = 20.3 mW/g; SAR(10 g) = 5.59 mW/g



SAR MEASUREMENT PLOT 18

Ambient Temperature
Liquid Temperature
Humidity

20.7 Degrees Celsius
20.0 Degrees Celsius
41.0 %

Test Date: 20 September 2004

File Name: [Validation 5200MHz \(DAE 359 Probe ES3DV3\) 20-09-04.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: $\sigma = 5.27114$; mho/m, $\epsilon_r = 45.5287$; $\rho = 1000 \text{ kg/m}^3$

- Electronics: DAE3 Sn359; Probe: ES3DV3- SN3029; ConvF(2.05, 2.05, 2.05)

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

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

Reference Value = 88.6 V/m; Power Drift = 0.1 dB

Maximum value of SAR (interpolated) = 34.9 mW/g

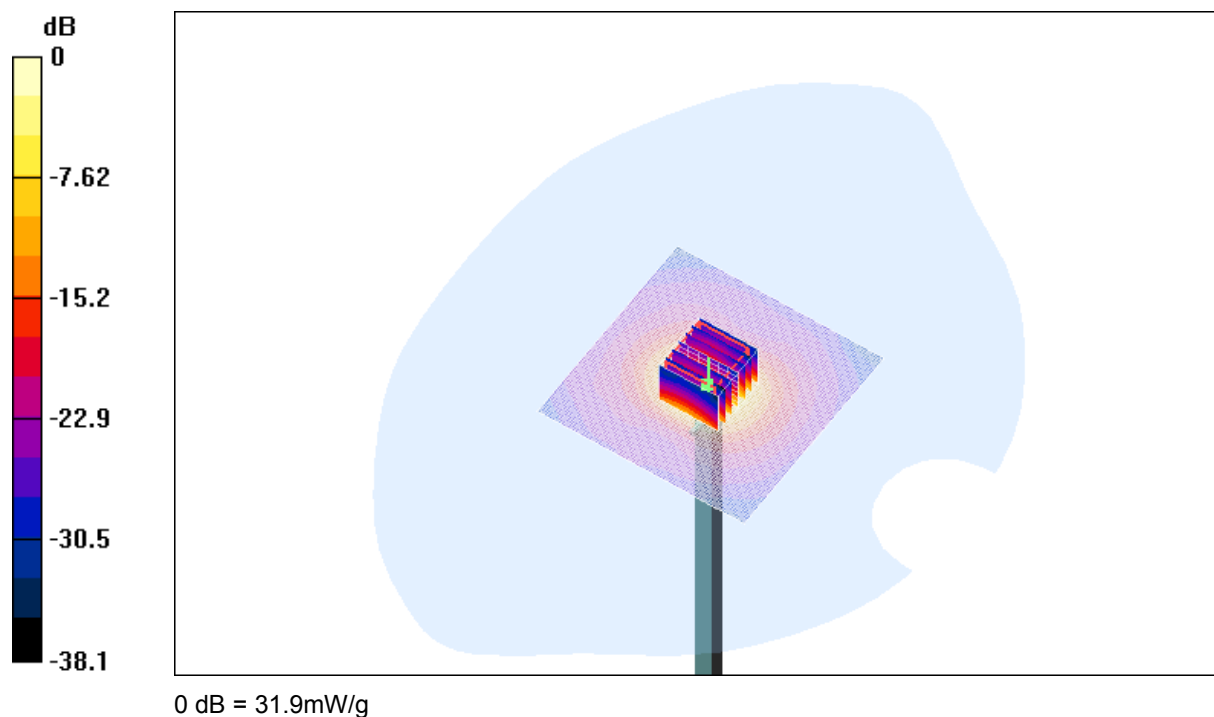
Channel 1 Test 2/Zoom Scan (7x7x8)/Cube 0: Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm

Reference Value = 88.6 V/m; Power Drift = 0.1 dB

Maximum value of SAR (measured) = 31.9 mW/g

Peak SAR (extrapolated) = 83.8 W/kg

SAR(1 g) = 22.3 mW/g; SAR(10 g) = 6.28 mW/g



SAR MEASUREMENT PLOT 20

Ambient Temperature
Liquid Temperature
Humidity

20.9 Degrees Celsius
20.2 Degrees Celsius
44.0 %

Test Date: 21 September 2004

File Name: [Validation 5800MHz \(DAE 359 Probe ES3DV3\) 21-09-04.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: $\sigma = 6.00042$; mho/m, $\epsilon_r = 43.73$; $\rho = 1000 \text{ kg/m}^3$

- Electronics: DAE3 Sn359; Probe: ES3DV3- SN3029; ConvF(1.8, 1.8, 1.8)

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

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

Reference Value = 78.5 V/m; Power Drift = 0.1 dB

Maximum value of SAR (interpolated) = 30.7 mW/g

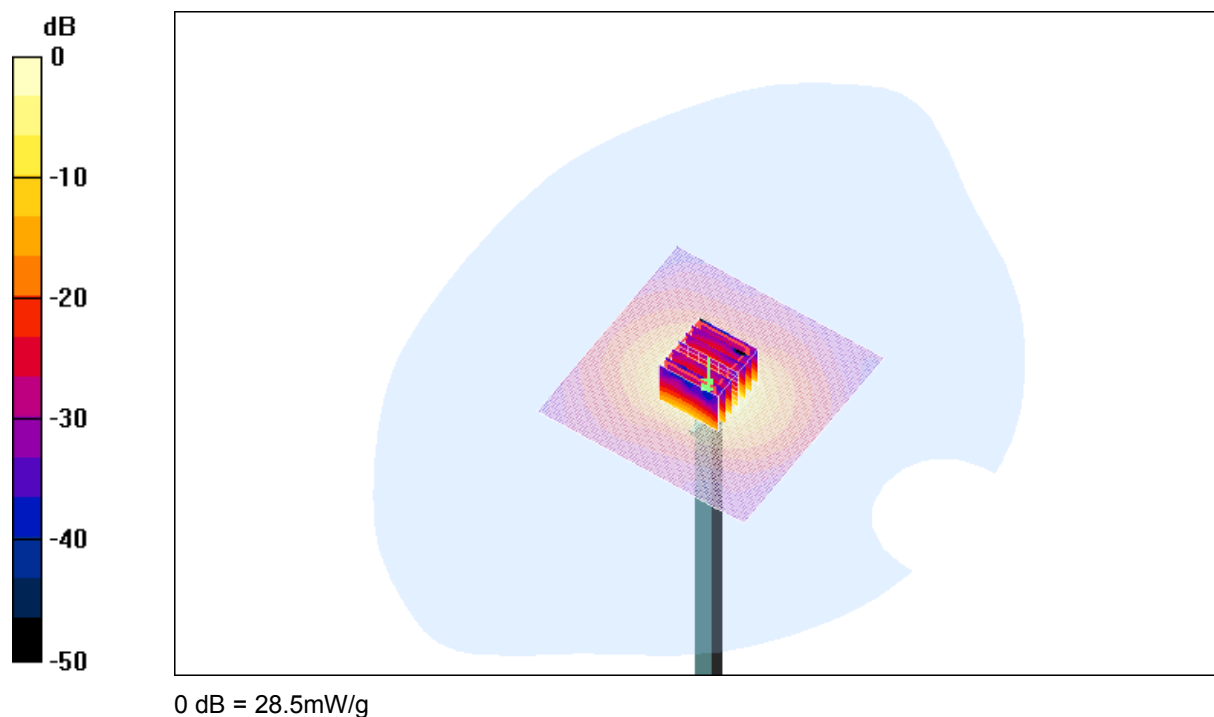
Channel 1 Test/Zoom Scan (7x7x8)/Cube 0: Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm

Reference Value = 78.5 V/m; Power Drift = 0.1 dB

Maximum value of SAR (measured) = 28.5 mW/g

Peak SAR (extrapolated) = 83.1 W/kg

SAR(1 g) = 19.8 mW/g; SAR(10 g) = 5.41 mW/g

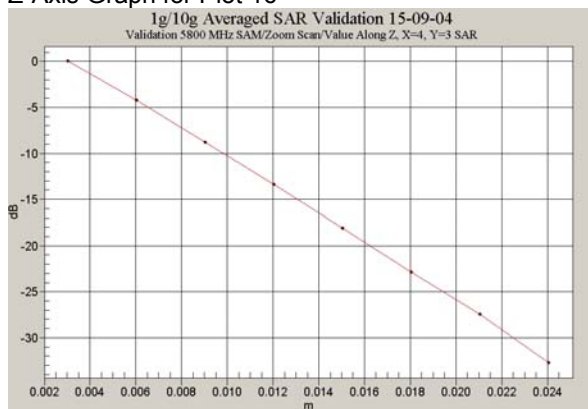


SAR MEASUREMENT PLOT 21

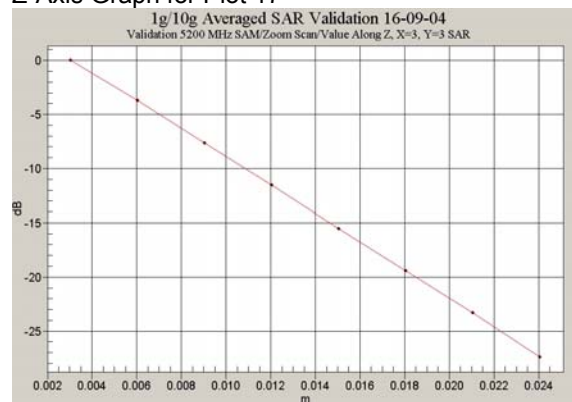
Ambient Temperature
Liquid Temperature
Humidity

20.8 Degrees Celsius
20.1 Degrees Celsius
48.0 %

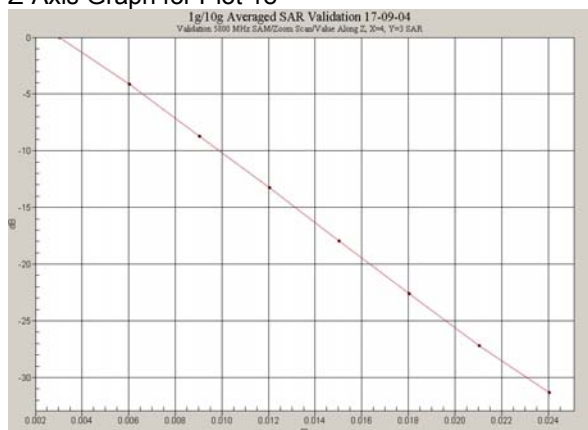
Z-Axis Graph for Plot 16



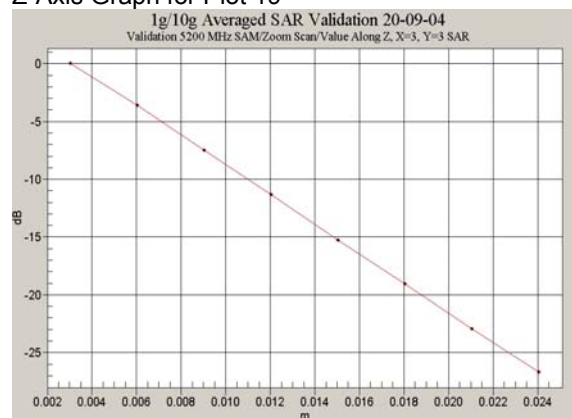
Z-Axis Graph for Plot 17



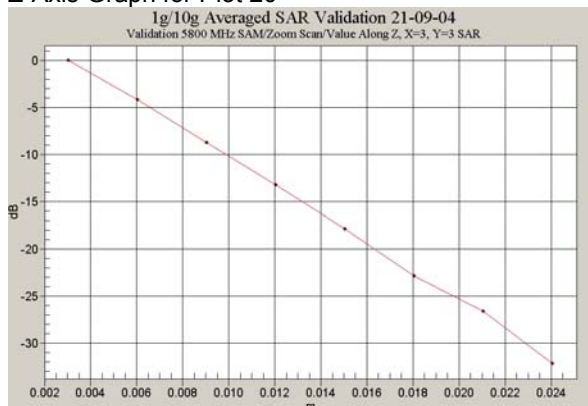
Z-Axis Graph for Plot 18



Z-Axis Graph for Plot 19



Z-Axis Graph for Plot 20



APPENDIX C

SAR TESTING EQUIPMENT CALIBRATION CERTIFICATE ATTACHMENTS

Calibration Certificate Attachments

- | | |
|--|---------|
| 1. 5GHz E-Field Probe Calibration Sheet | 9 Pages |
| 2. 5200_5800MHz Dipole Calibration Sheet | 6 pages |