

APPENDIX B PLOTS OF THE SAR MEASUREMENTS

Plots of the measured SAR distributions inside the phantom are given in this Appendix for the “Lap Arm Held” and “Tablet” tested configurations. The spatial peak SAR values were assessed with the procedure described in this report.

Table 22: 2450 MHz DSSS Band SAR Measurement Plot Numbers

Plot 1	Lap Arm Held Position – Ant Aux – Pre-scan	CH#06
Plot 2	Lap Arm Held Position – Ant Main – Pre-scan	CH#06
Plot 3	Lap Arm Held Position – Ant Aux	CH#01
Plot 4	Lap Arm Held Position – Ant Aux	CH#06
Plot 5	Lap Arm Held Position – Ant Aux	CH#11
Z-Axis Graphs	Z-Axis graphs for Plots 3 to 5	
Plot 6	Lap Arm Held Position – Ant Main	CH#01
Plot 7	Lap Arm Held Position – Ant Main	CH#06
Plot 8	Lap Arm Held Position – Ant Main	CH#11
Z-Axis Graphs	Z-Axis graphs for Plots 6 to 8	
Plot 9	Tablet Position – Ant A – Pre-scan	CH#06
WLAN with Bluetooth On		
Plot 10	Arm Held Position With Blue tooth Ant Aux BTCH#01	CH#01
Plot 11	Arm Held Position With Blue tooth Ant Aux BTCH#40	CH#06
Plot 12	Arm Held Position With Blue tooth Ant Aux BTCH#79	CH#11
Z-axis graphs	Z-Axis graphs for Plots 10 to 12	

Table 23: 2450 MHz OFDM Band SAR Measurement Plot Numbers

Plot 13	Lap Arm Held Position – Ant Aux	CH#06
Z-Axis Graphs	Z-Axis graphs for Plot 13	

Table 24: 2450MHz Validation Plot

Plot 14	Validation 2450MHz 23 rd September 2004
Plot 15	Validation 2450MHz 24 th September 2004

Test Date: 23 August 2004

File Name: [Arm Held DSSS 2450 MHz Soriel Antenna Aux Bluetooth On Prescan 23-08-04.da4](#)

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

* Communication System: DSSS 2450 MHz; Frequency: 2437 MHz; Duty Cycle: 1:1

* Medium parameters used: $\sigma = 1.93343$; mho/m, $\epsilon_r = 50.4013$; $\rho = 1000 \text{ kg/m}^3$

- Electronics: DAE3 Sn442; Probe: ET3DV6 - SN1380; ConvF(4.16, 4.16, 4.16)

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

Channel 6 Test/Area Scan (141x161x1): Measurement grid: dx=20mm, dy=20mm

Reference Value = 14.4 V/m; Power Drift = 0.1 dB

Maximum value of SAR (interpolated) = 0.337 mW/g

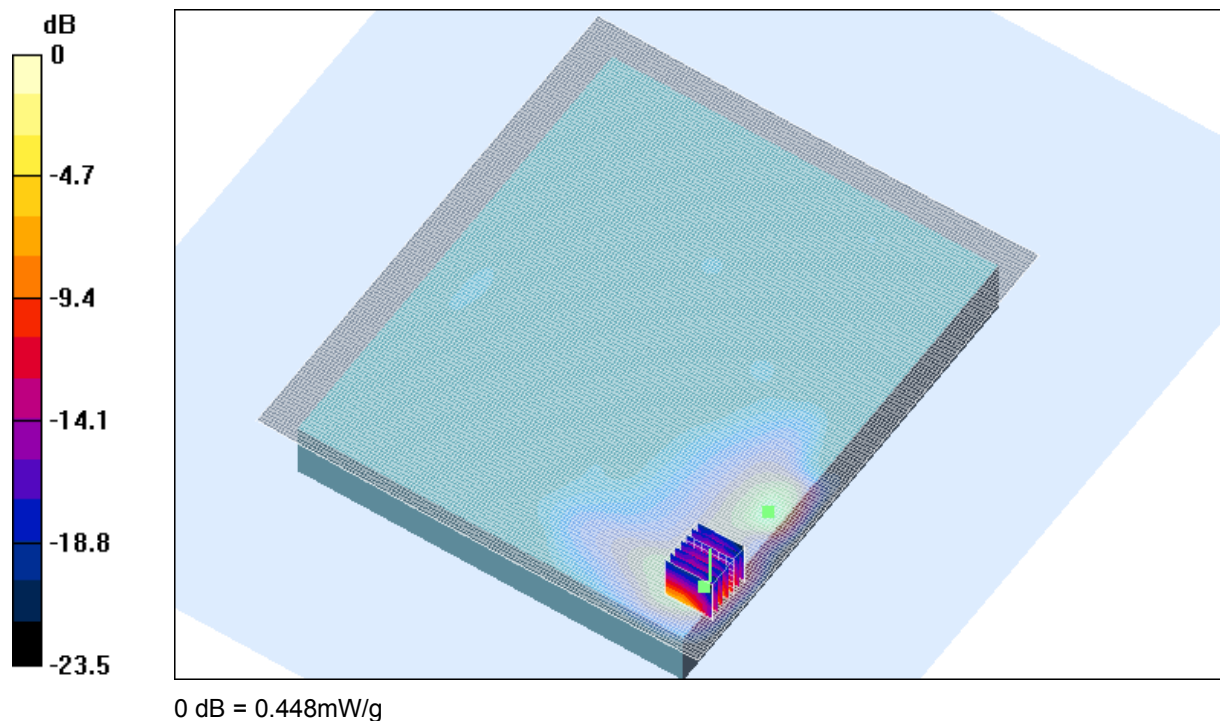
Channel 6 Test/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 14.4 V/m; Power Drift = 0.1 dB

Maximum value of SAR (measured) = 0.448 mW/g

Peak SAR (extrapolated) = 1.06 W/kg

SAR(1 g) = 0.392 mW/g; SAR(10 g) = 0.155 mW/g



SAR MEASUREMENT PLOT 1

Ambient Temperature
Liquid Temperature
Humidity

20.5 Degrees Celsius
19.8 Degrees Celsius
44.0 %

Test Date: 23 August 2004

File Name: [Arm Held DSSS 2450 MHz Soriel Antenna Main Bluetooth Off Prescan 23-08-04.da4](#)

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

* Communication System: DSSS 2450 MHz; Frequency: 2437 MHz; Duty Cycle: 1:1

* Medium parameters used: $\sigma = 1.93343$; mho/m, $\epsilon_r = 50.4013$; $\rho = 1000 \text{ kg/m}^3$

- Electronics: DAE3 Sn442; Probe: ET3DV6 - SN1380; ConvF(4.16, 4.16, 4.16)

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

Channel 6 Test/Area Scan (141x161x1): Measurement grid: dx=20mm, dy=20mm

Reference Value = 13.3 V/m; Power Drift = 0.2 dB

Maximum value of SAR (interpolated) = 0.466 mW/g

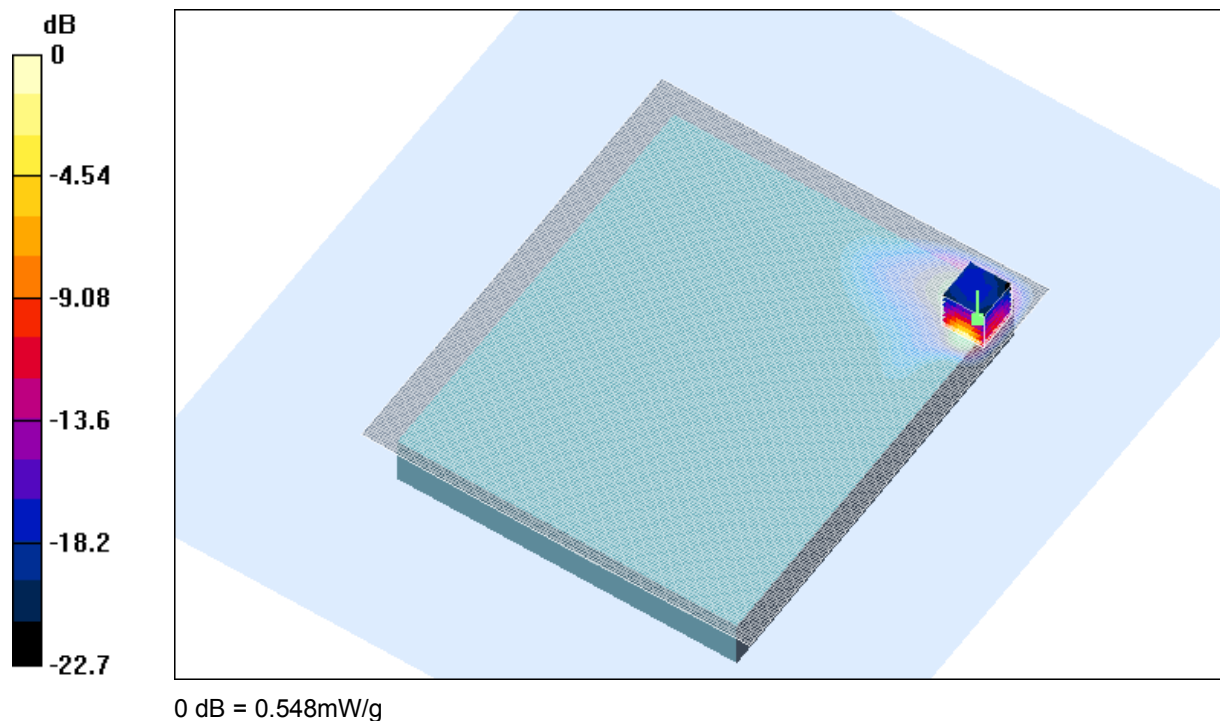
Channel 6 Test/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 13.3 V/m; Power Drift = 0.2 dB

Maximum value of SAR (measured) = 0.548 mW/g

Peak SAR (extrapolated) = 1.14 W/kg

SAR(1 g) = 0.470 mW/g; SAR(10 g) = 0.199 mW/g



SAR MEASUREMENT PLOT 2

Ambient Temperature
Liquid Temperature
Humidity

20.5 Degrees Celsius
19.8 Degrees Celsius
44.0 %

Test Date: 23 August 2004

File Name: [Arm Held DSSS 2450 MHz Soriel Antenna Aux Bluetooth Off 23-08-04.da4](#)

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

* Communication System: DSSS 2450 MHz; Frequency: 2412 MHz; Duty Cycle: 1:1

* Medium parameters used: $\sigma = 1.91464$; mho/m, $\epsilon_r = 50.5098$; $\rho = 1000 \text{ kg/m}^3$

- Electronics: DAE3 Sn442; Probe: ET3DV6 - SN1380; ConvF(4.16, 4.16, 4.16)

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

Channel 1 Test/Area Scan (61x81x1): Measurement grid: dx=20mm, dy=20mm

Reference Value = 14.9 V/m; Power Drift = -0.0 dB

Maximum value of SAR (interpolated) = 0.266 mW/g

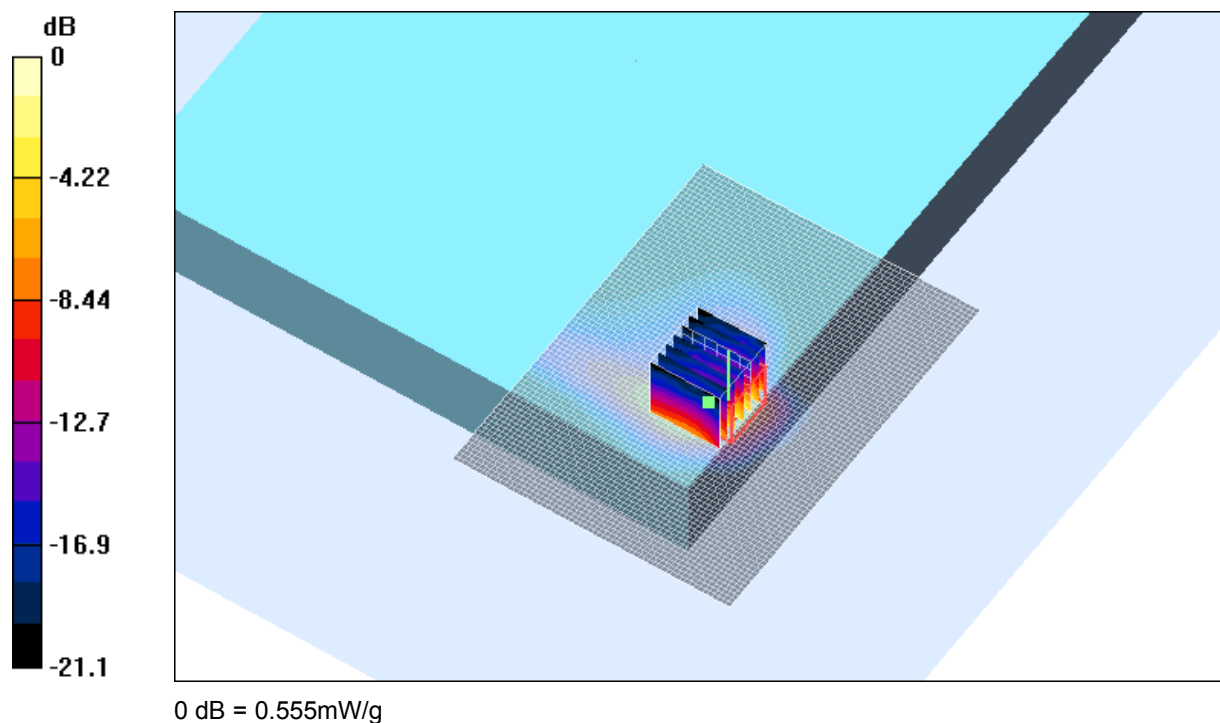
Channel 1 Test/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 14.9 V/m; Power Drift = -0.0 dB

Maximum value of SAR (measured) = 0.555 mW/g

Peak SAR (extrapolated) = 1.3 W/kg

SAR(1 g) = 0.473 mW/g; SAR(10 g) = 0.185 mW/g



SAR MEASUREMENT PLOT 3

Ambient Temperature
Liquid Temperature
Humidity

20.5 Degrees Celsius
19.8 Degrees Celsius
44.0 %

Test Date: 23 August 2004

File Name: [Arm Held DSSS 2450 MHz Soriel Antenna Aux Bluetooth Off 23-08-04.da4](#)

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

* Communication System: DSSS 2450 MHz; Frequency: 2437 MHz; Duty Cycle: 1:1

* Medium parameters used: $\sigma = 1.93343$; mho/m, $\epsilon_r = 50.4013$; $\rho = 1000 \text{ kg/m}^3$

- Electronics: DAE3 Sn442; Probe: ET3DV6 - SN1380; ConvF(4.16, 4.16, 4.16)

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

Channel 6 Test/Area Scan (61x81x1): Measurement grid: dx=20mm, dy=20mm

Reference Value = 16.8 V/m; Power Drift = -0.4 dB

Maximum value of SAR (interpolated) = 0.331 mW/g

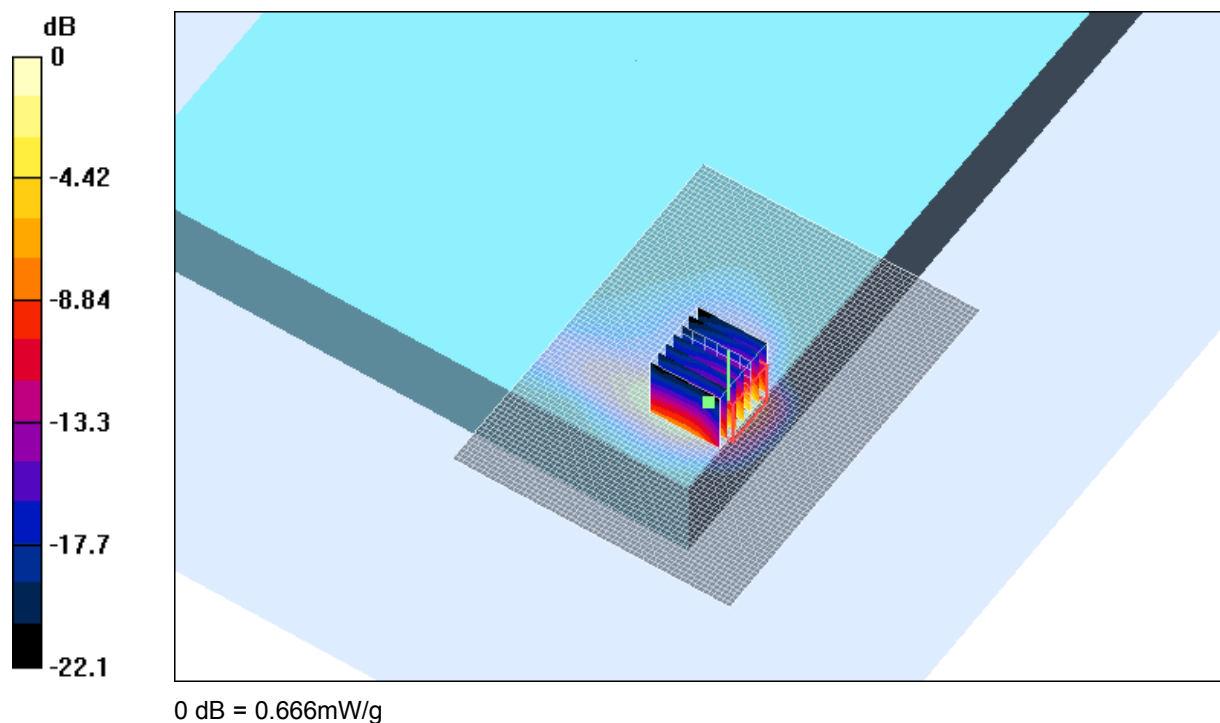
Channel 6 Test/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 16.8 V/m; Power Drift = -0.4 dB

Maximum value of SAR (measured) = 0.666 mW/g

Peak SAR (extrapolated) = 1.54 W/kg

SAR(1 g) = 0.560 mW/g; SAR(10 g) = 0.217 mW/g



SAR MEASUREMENT PLOT 4

Ambient Temperature
Liquid Temperature
Humidity

20.5 Degrees Celsius
19.8 Degrees Celsius
44.0 %

Test Date: 23 August 2004

File Name: [Arm Held DSSS 2450 MHz Soriel Antenna Aux Bluetooth Off 23-08-04.da4](#)

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

* Communication System: DSSS 2450 MHz; Frequency: 2462 MHz; Duty Cycle: 1:1

* Medium parameters used: $\sigma = 1.95641$; mho/m, $\epsilon_r = 50.2827$; $\rho = 1000 \text{ kg/m}^3$

- Electronics: DAE3 Sn442; Probe: ET3DV6 - SN1380; ConvF(4.16, 4.16, 4.16)

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

Channel 11 Test/Area Scan (61x81x1): Measurement grid: dx=20mm, dy=20mm

Reference Value = 16.9 V/m; Power Drift = -0.3 dB

Maximum value of SAR (interpolated) = 0.333 mW/g

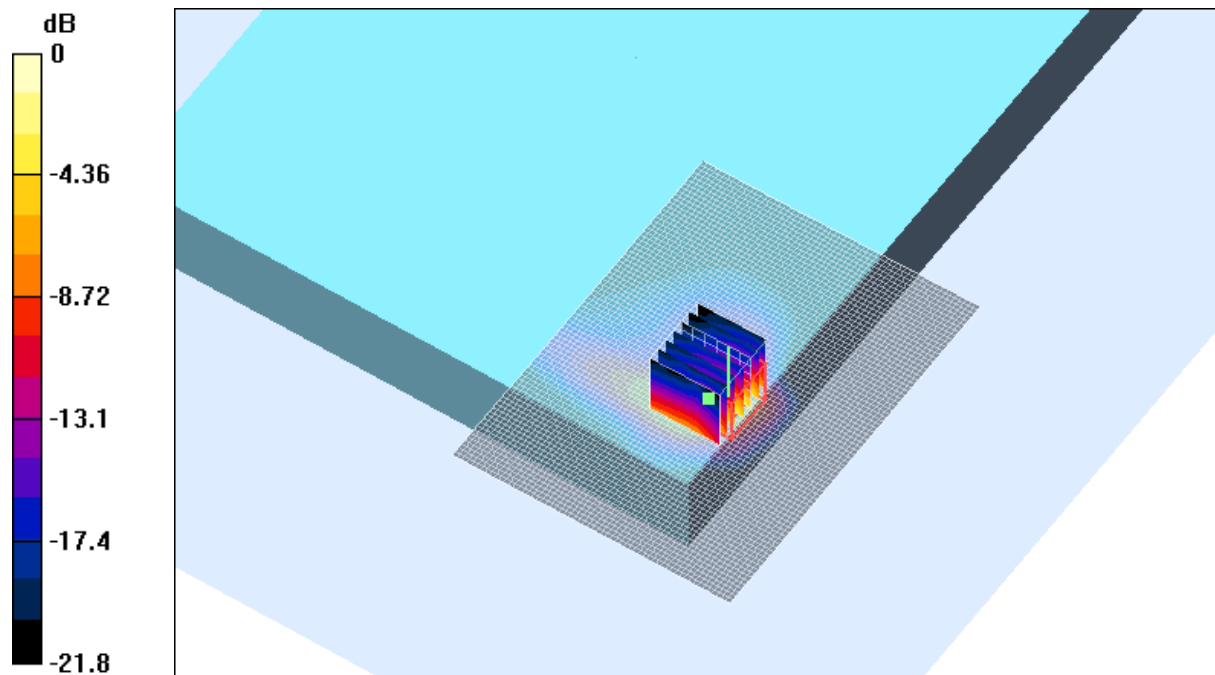
Channel 11 Test/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 16.9 V/m; Power Drift = -0.3 dB

Maximum value of SAR (measured) = 0.675 mW/g

Peak SAR (extrapolated) = 1.59 W/kg

SAR(1 g) = 0.572 mW/g; SAR(10 g) = 0.221 mW/g



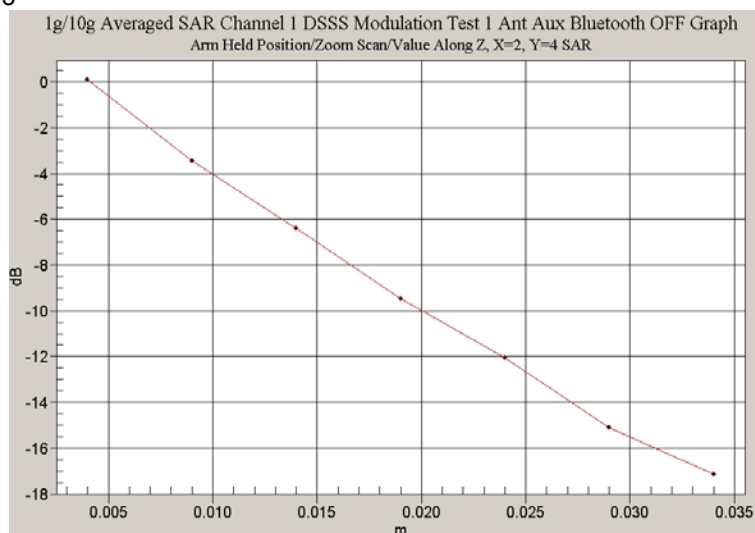
0 dB = 0.675mW/g

SAR MEASUREMENT PLOT 5

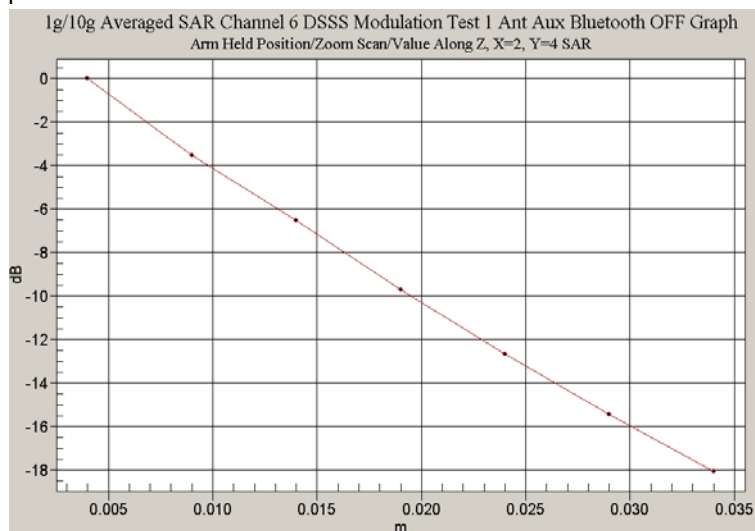
Ambient Temperature
Liquid Temperature
Humidity

20.5 Degrees Celsius
19.8 Degrees Celsius
44.0 %

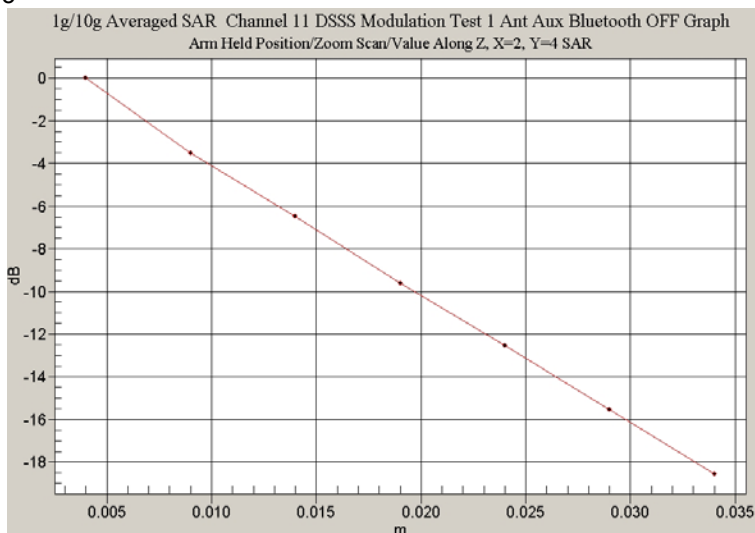
Z-Axis Scan for Plot 3



Z-Axis Scan for Plot 4



Z-Axis Scan for Plot 5



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Test Date: 24 August 2004

File Name: [Arm Held DSSS 2450 MHz Soriel Antenna Main Bluetooth Off 24-08-04.da4](#)

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

* Communication System: DSSS 2450 MHz; Frequency: 2412 MHz; Duty Cycle: 1:1

* Medium parameters used: $\sigma = 1.93543$; mho/m, $\epsilon_r = 51.4157$; $\rho = 1000 \text{ kg/m}^3$

- Electronics: DAE3 Sn442; Probe: ET3DV6 - SN1380; ConvF(4.16, 4.16, 4.16)

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

Channel 1 Test/Area Scan (61x81x1): Measurement grid: dx=20mm, dy=20mm

Reference Value = 14.4 V/m; Power Drift = -0.1 dB

Maximum value of SAR (interpolated) = 0.599 mW/g

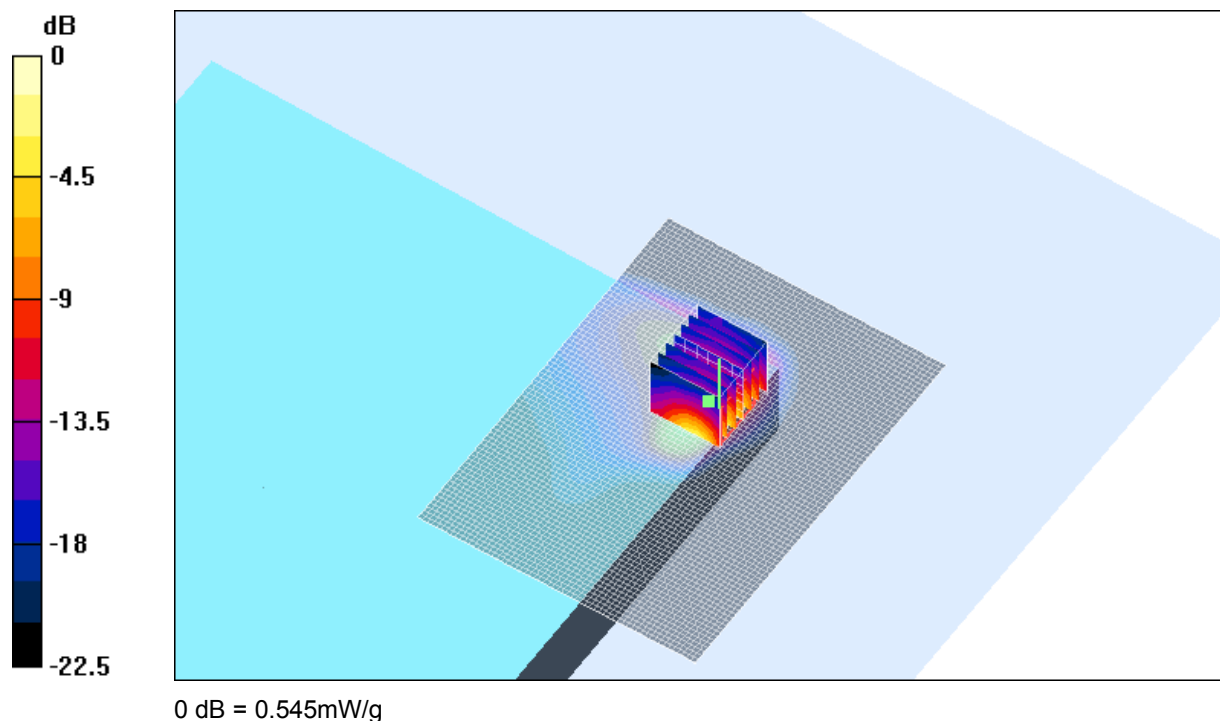
Channel 1 Test/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 14.4 V/m; Power Drift = -0.1 dB

Maximum value of SAR (measured) = 0.545 mW/g

Peak SAR (extrapolated) = 1.18 W/kg

SAR(1 g) = 0.481 mW/g; SAR(10 g) = 0.202 mW/g



SAR MEASUREMENT PLOT 6

Ambient Temperature
Liquid Temperature
Humidity

20.6 Degrees Celsius
19.9 Degrees Celsius
42.0 %

Test Date: 23 August 2004

File Name: [Arm Held DSSS 2450 MHz Soriel Antenna Main Bluetooth Off 23-08-04.da4](#)

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

* Communication System: DSSS 2450 MHz; Frequency: 2437 MHz; Duty Cycle: 1:1

* Medium parameters used: $\sigma = 1.93343$; mho/m, $\epsilon_r = 50.4013$; $\rho = 1000 \text{ kg/m}^3$

- Electronics: DAE3 Sn442; Probe: ET3DV6 - SN1380; ConvF(4.16, 4.16, 4.16)

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

Channel 6 Test/Area Scan (61x81x1): Measurement grid: dx=20mm, dy=20mm

Reference Value = 13.6 V/m; Power Drift = -0.0 dB

Maximum value of SAR (interpolated) = 0.696 mW/g

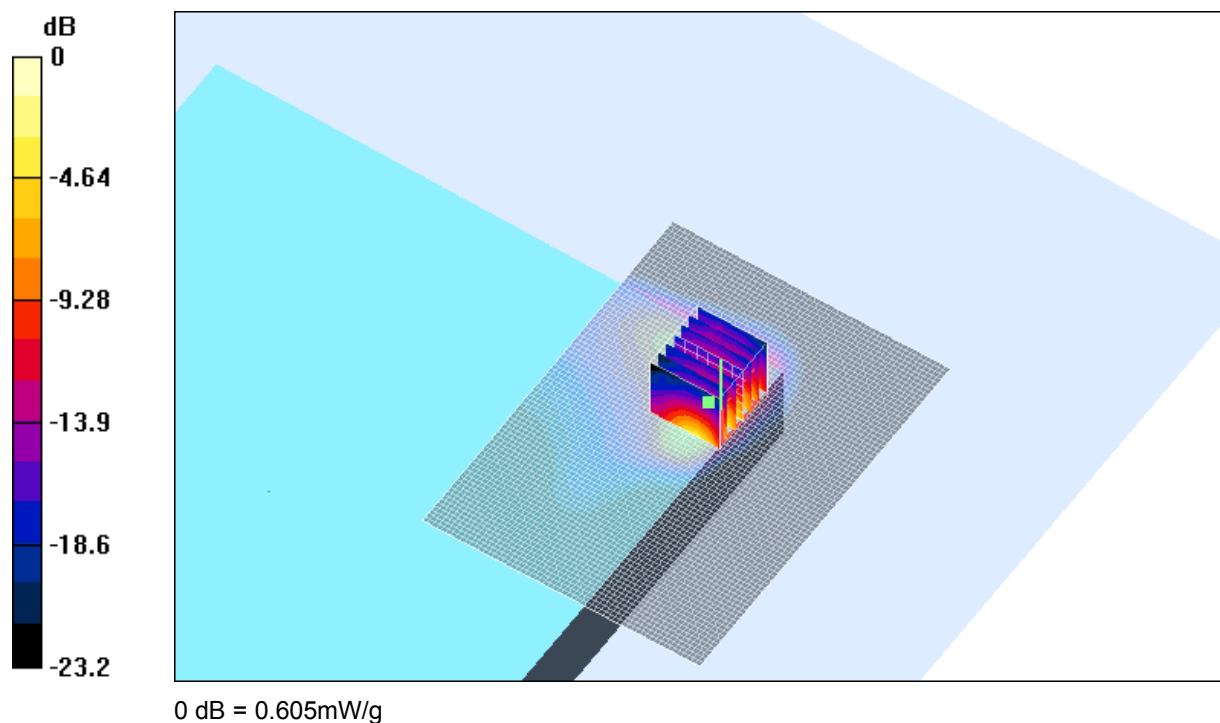
Channel 6 Test/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 13.6 V/m; Power Drift = -0.0 dB

Maximum value of SAR (measured) = 0.605 mW/g

Peak SAR (extrapolated) = 1.28 W/kg

SAR(1 g) = 0.527 mW/g; SAR(10 g) = 0.221 mW/g



SAR MEASUREMENT PLOT 7

Ambient Temperature
Liquid Temperature
Humidity

20.5 Degrees Celsius
19.8 Degrees Celsius
44.0 %

Test Date: 24 August 2004

File Name: [Arm Held DSSS 2450 MHz Soriel Antenna Main Bluetooth Off 24-08-04.da4](#)

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

* Communication System: DSSS 2450 MHz; Frequency: 2462 MHz; Duty Cycle: 1:1

* Medium parameters used: $\sigma = 2.00458$; mho/m, $\epsilon_r = 51.1627$; $\rho = 1000 \text{ kg/m}^3$

- Electronics: DAE3 Sn442; Probe: ET3DV6 - SN1380; ConvF(4.16, 4.16, 4.16)

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

Channel 11 Test/Area Scan (61x81x1): Measurement grid: dx=20mm, dy=20mm

Reference Value = 14.5 V/m; Power Drift = -0.1 dB

Maximum value of SAR (interpolated) = 0.677 mW/g

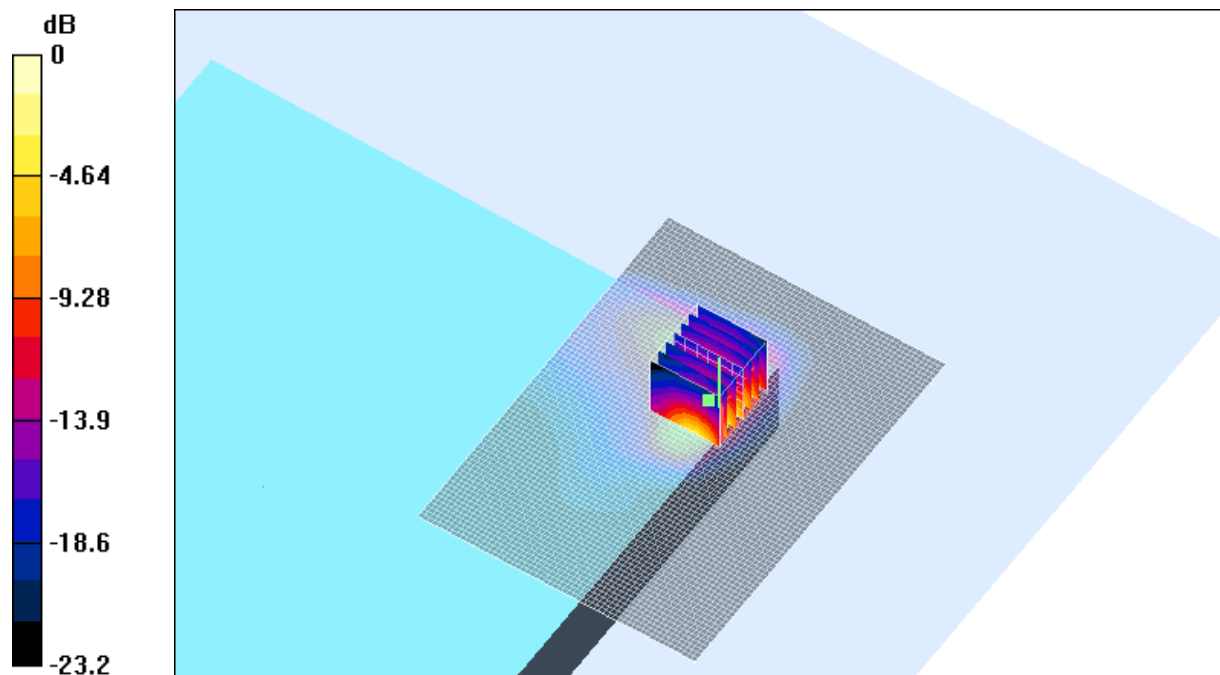
Channel 11 Test/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 14.5 V/m; Power Drift = -0.1 dB

Maximum value of SAR (measured) = 0.617 mW/g

Peak SAR (extrapolated) = 1.38 W/kg

SAR(1 g) = 0.543 mW/g; SAR(10 g) = 0.226 mW/g



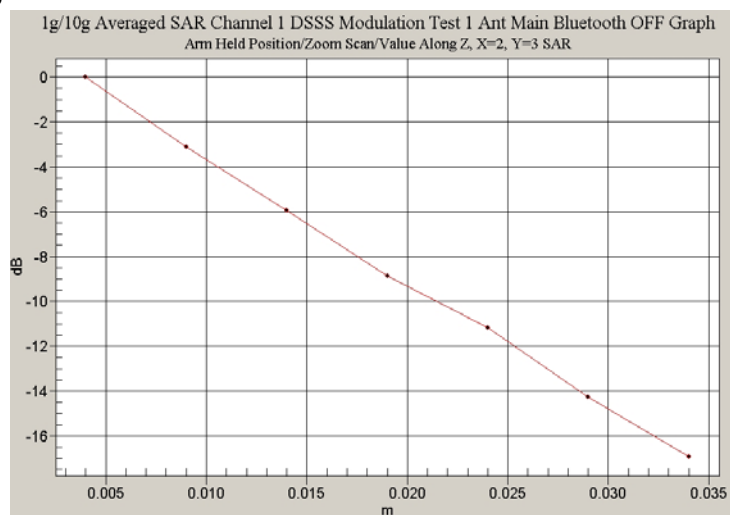
0 dB = 0.617mW/g

SAR MEASUREMENT PLOT 8

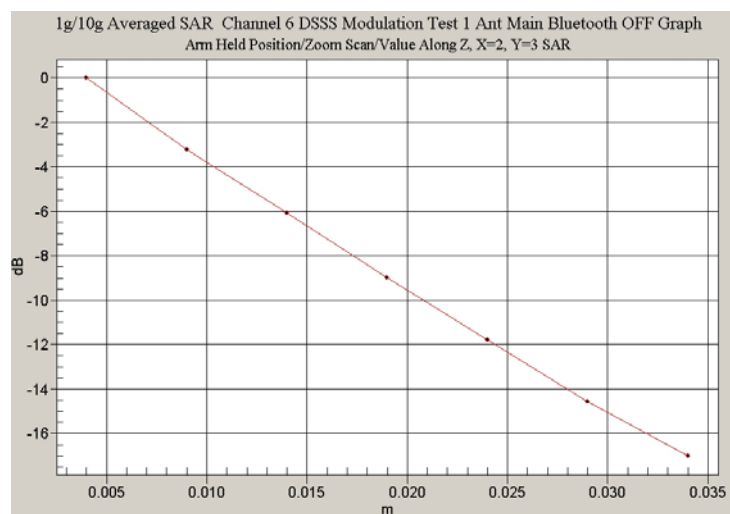
Ambient Temperature
Liquid Temperature
Humidity

20.6 Degrees Celsius
19.9 Degrees Celsius
42.0 %

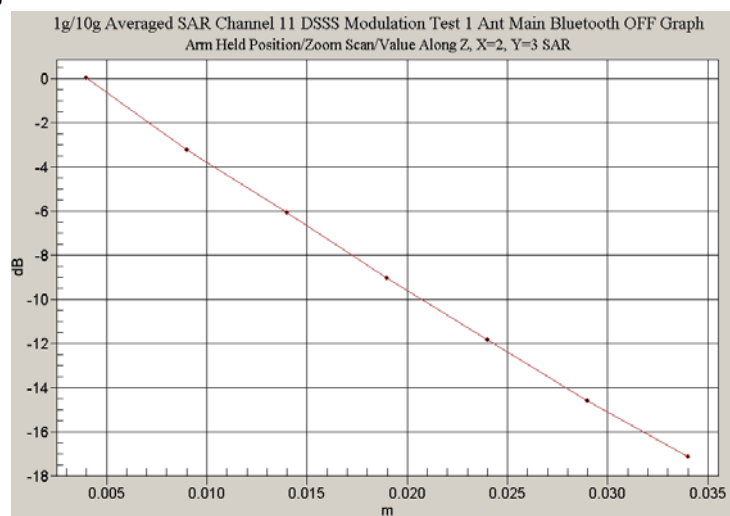
Z-Axis Scan for Plot 6



Z-Axis Scan for Plot 7



Z-Axis Scan for Plot 8



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Test Date: 24 August 2004

File Name: [Tablet DSSS 2450 MHz Soriel Antenna Main Bluetooth On Prescan 24-08-04.da4](#)

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

* Communication System: DSSS 2450 MHz; Frequency: 2437 MHz; Duty Cycle: 1:1

* Medium parameters used: $\sigma = 1.96995$; mho/m, $\epsilon_r = 51.3076$; $\rho = 1000 \text{ kg/m}^3$

- Electronics: DAE3 Sn442; Probe: ET3DV6 - SN1380; ConvF(4.16, 4.16, 4.16)

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

Channel 6 Test/Area Scan (141x161x1): Measurement grid: dx=20mm, dy=20mm

Reference Value = 0 V/m; Power Drift = 999.0 dB

Maximum value of SAR (interpolated) = 0.00455 mW/g

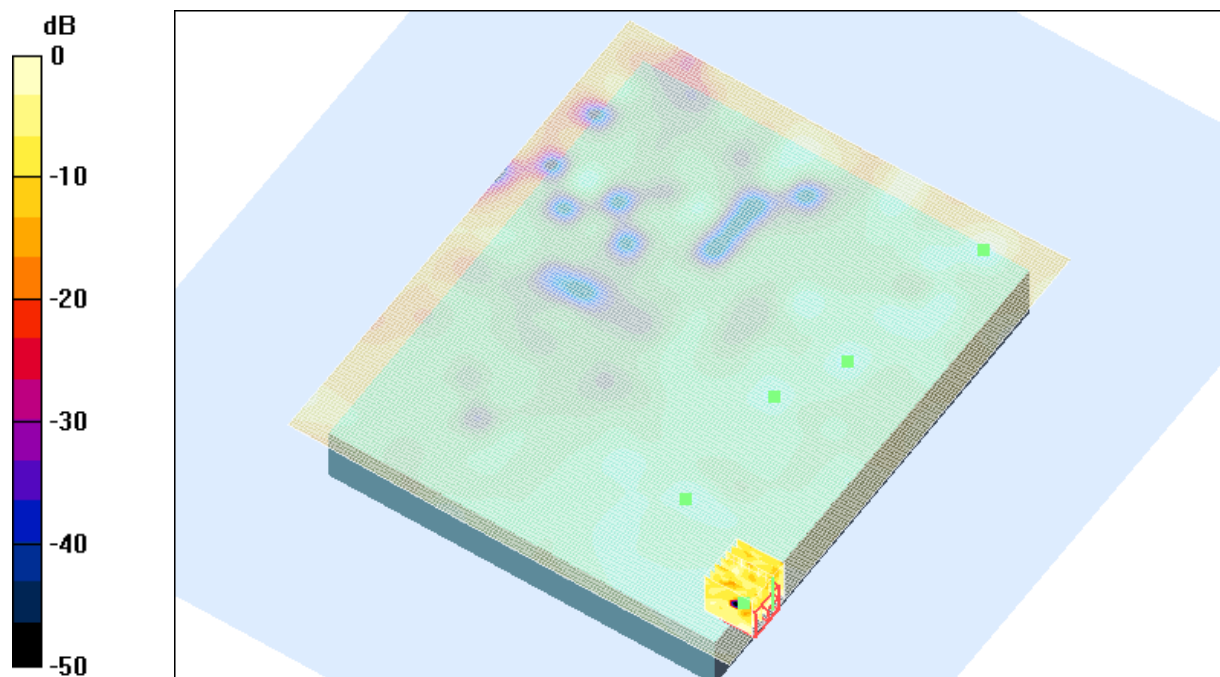
Channel 6 Test/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 0 V/m; Power Drift = 999.0 dB

Maximum value of SAR (measured) = 0.00588 mW/g

Peak SAR (extrapolated) = 0.00588 W/kg

SAR(1 g) = 0.00353 mW/g; SAR(10 g) = 0.0025 mW/g



0 dB = 0.00588mW/g

SAR MEASUREMENT PLOT 9

Ambient Temperature
Liquid Temperature
Humidity

20.6 Degrees Celsius
19.9 Degrees Celsius
42.0 %

Test Date: 24 August 2004

File Name: [Arm Held DSSS 2450 MHz Soriel Antenna Aux Bluetooth On 24-08-04.da4](#)

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

* Communication System: DSSS 2450 MHz; Frequency: 2462 MHz; Duty Cycle: 1:1

* Medium parameters used: $\sigma = 2.00458$; mho/m, $\epsilon_r = 51.1627$; $\rho = 1000 \text{ kg/m}^3$

- Electronics: DAE3 Sn442; Probe: ET3DV6 - SN1380; ConvF(4.16, 4.16, 4.16)

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

Channel 11 Bluetooth at 2402 MHz Test/Area Scan (61x81x1): Measurement grid:

dx=20mm, dy=20mm

Reference Value = 15.8 V/m; Power Drift = -0.2 dB

Maximum value of SAR (interpolated) = 0.298 mW/g

Channel 11 Bluetooth at 2402 MHz Test/Zoom Scan (7x7x7)/Cube 0:

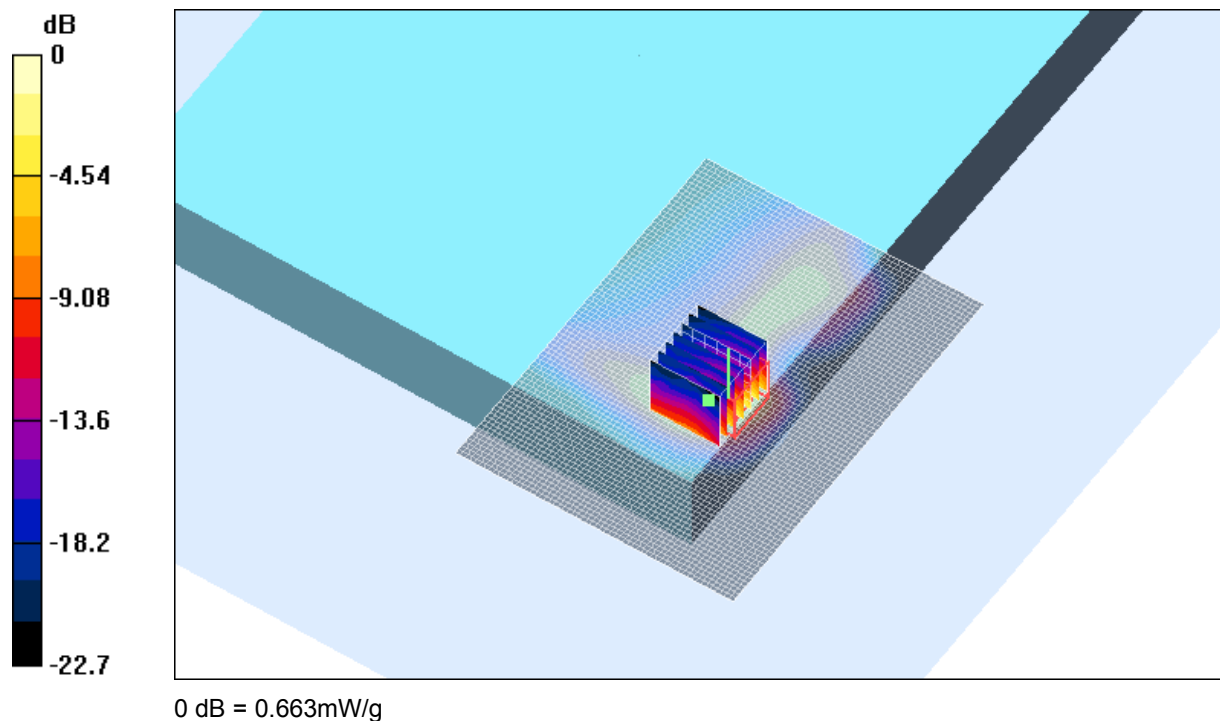
Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 15.8 V/m; Power Drift = -0.2 dB

Maximum value of SAR (measured) = 0.663 mW/g

Peak SAR (extrapolated) = 1.54 W/kg

SAR(1 g) = 0.565 mW/g; SAR(10 g) = 0.220 mW/g



SAR MEASUREMENT PLOT 10

Ambient Temperature
Liquid Temperature
Humidity

20.6 Degrees Celsius
19.9 Degrees Celsius
42.0 %

Test Date: 24 August 2004

File Name: [Arm Held DSSS 2450 MHz Soriel Antenna Aux Bluetooth On 24-08-04.da4](#)

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

* Communication System: DSSS 2450 MHz; Frequency: 2462 MHz; Duty Cycle: 1:1

* Medium parameters used: $\sigma = 2.00458$; mho/m, $\epsilon_r = 51.1627$; $\rho = 1000 \text{ kg/m}^3$

- Electronics: DAE3 Sn442; Probe: ET3DV6 - SN1380; ConvF(4.16, 4.16, 4.16)

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

Channel 11 Bluetooth at 2441 MHz Test/Area Scan (61x81x1): Measurement grid:

dx=20mm, dy=20mm

Reference Value = 16.4 V/m; Power Drift = -0.1 dB

Maximum value of SAR (interpolated) = 0.332 mW/g

Channel 11 Bluetooth at 2441 MHz Test/Zoom Scan (7x7x7)/Cube 0:

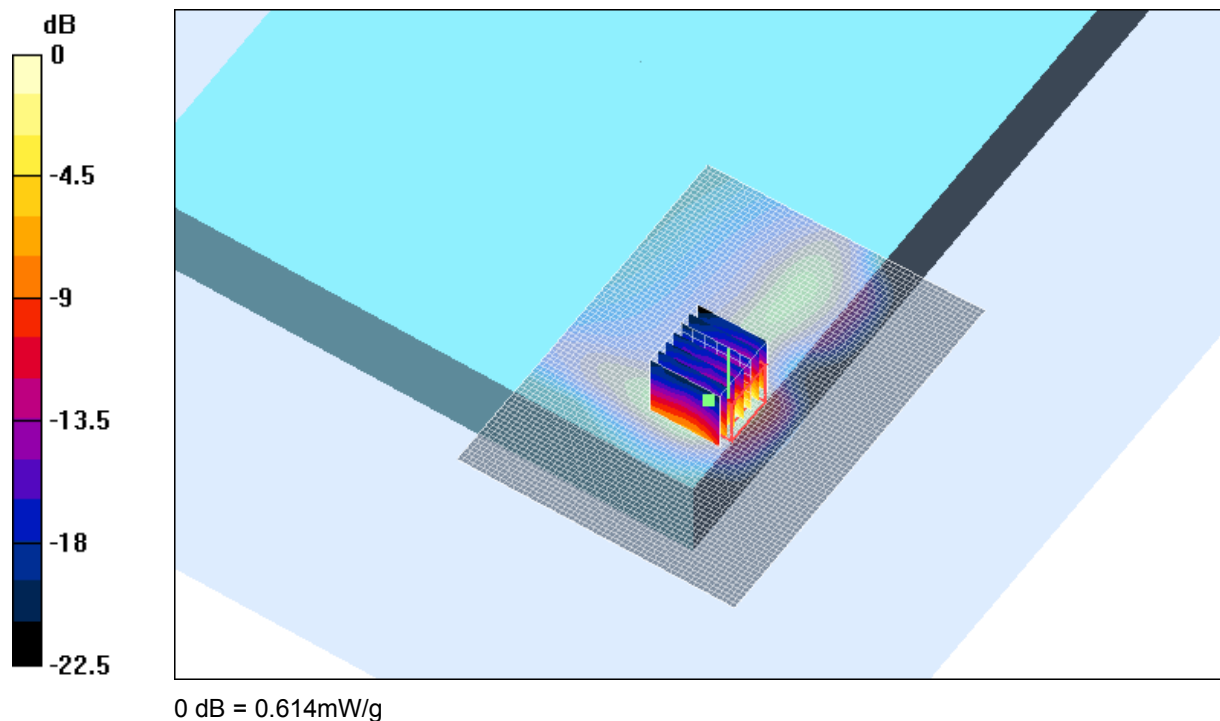
Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 16.4 V/m; Power Drift = -0.1 dB

Maximum value of SAR (measured) = 0.614 mW/g

Peak SAR (extrapolated) = 1.49 W/kg

SAR(1 g) = 0.544 mW/g; SAR(10 g) = 0.211 mW/g



SAR MEASUREMENT PLOT 11

Ambient Temperature
Liquid Temperature
Humidity

20.6 Degrees Celsius
19.9 Degrees Celsius
42.0 %

Test Date: 24 August 2004

File Name: [Arm Held DSSS 2450 MHz Soriel Antenna Aux Bluetooth On 24-08-04.da4](#)

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

* Communication System: DSSS 2450 MHz; Frequency: 2462 MHz; Duty Cycle: 1:1

* Medium parameters used: $\sigma = 2.00458$; mho/m, $\epsilon_r = 51.1627$; $\rho = 1000 \text{ kg/m}^3$

- Electronics: DAE3 Sn442; Probe: ET3DV6 - SN1380; ConvF(4.16, 4.16, 4.16)

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

Channel 11 Bluetooth at 2480 MHz Test/Area Scan (61x81x1): Measurement grid:

dx=20mm, dy=20mm

Reference Value = 16.3 V/m; Power Drift = -0.2 dB

Maximum value of SAR (interpolated) = 0.316 mW/g

Channel 11 Bluetooth at 2480 MHz Test/Zoom Scan (7x7x7)/Cube 0:

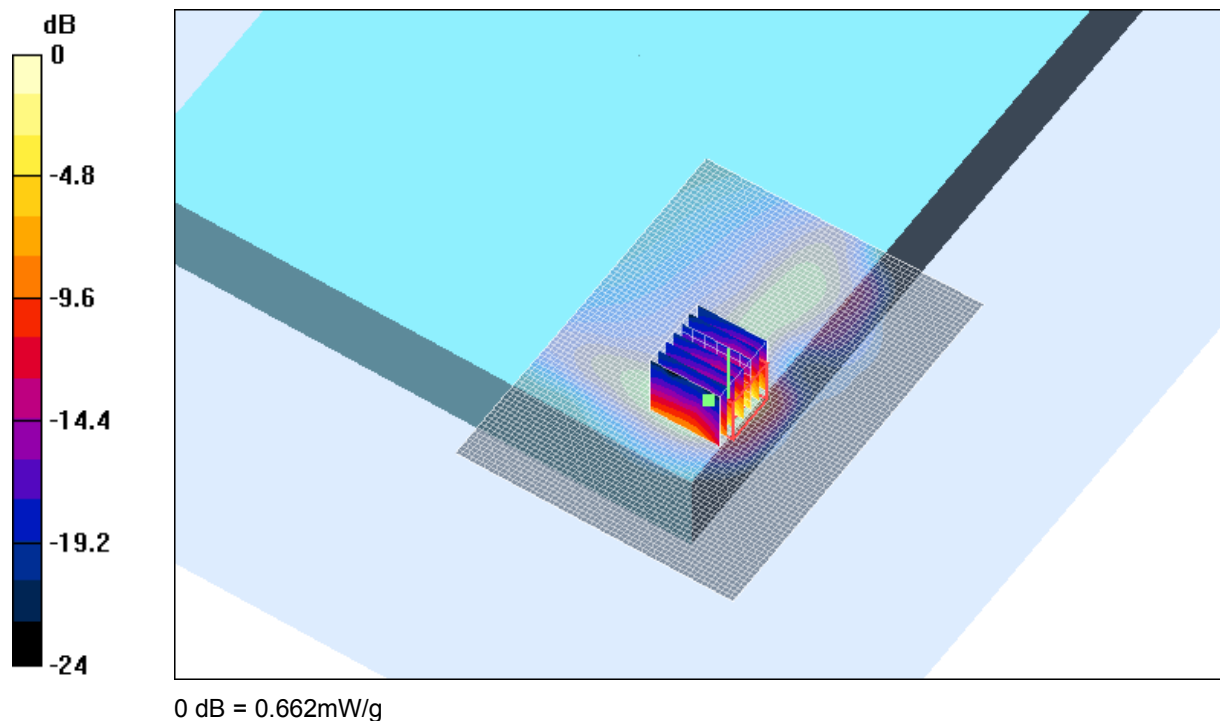
Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 16.3 V/m; Power Drift = -0.2 dB

Maximum value of SAR (measured) = 0.662 mW/g

Peak SAR (extrapolated) = 1.51 W/kg

SAR(1 g) = 0.559 mW/g; SAR(10 g) = 0.219 mW/g

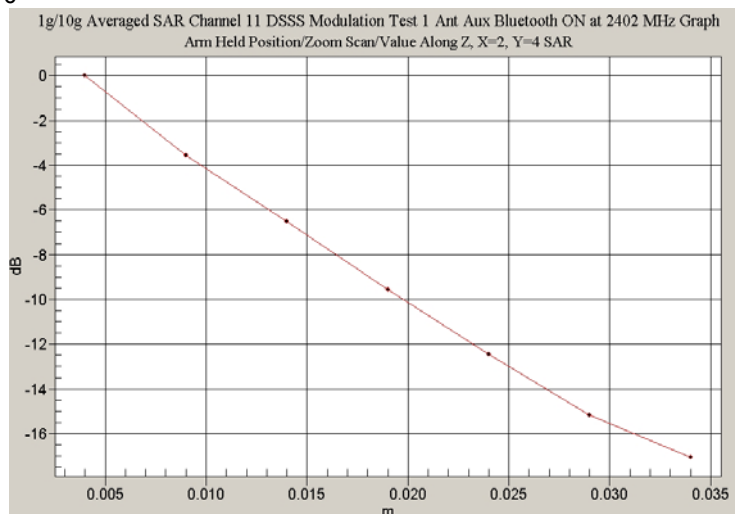


SAR MEASUREMENT PLOT 12

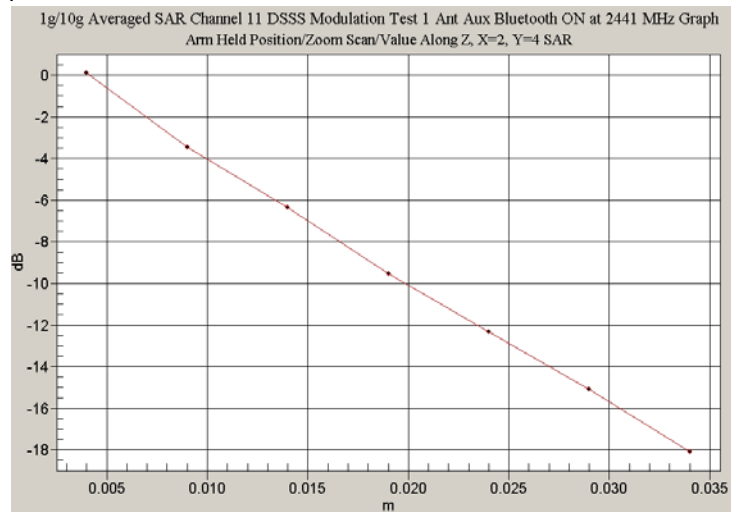
Ambient Temperature
Liquid Temperature
Humidity

20.6 Degrees Celsius
19.9 Degrees Celsius
42.0 %

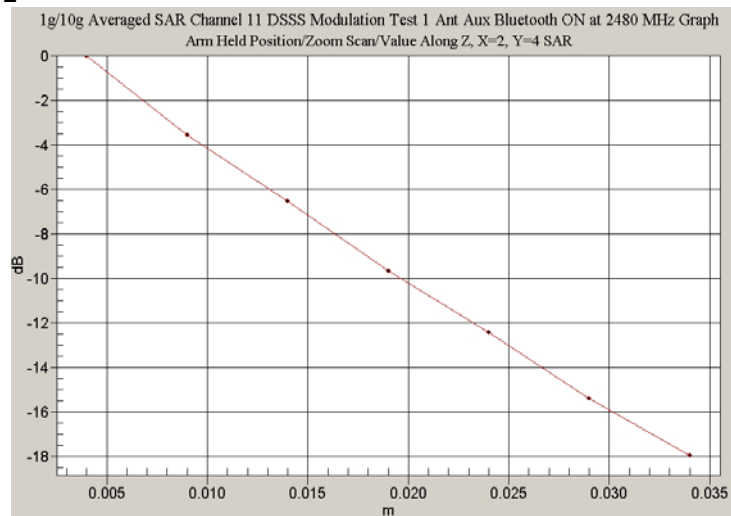
Z-Axis Scan for Plot 10



Z-Axis Scan for Plot 11



Z-Axis Scan for Plot 12



Test Date: 24 August 2004

File Name: [Arm Held OFDM 2450 MHz Soriel Antenna Aux Bluetooth Off 24-08-04.da4](#)

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

* Communication System: OFDM 2450 MHz; Frequency: 2437 MHz; Duty Cycle: 1:1

* Medium parameters used: $\sigma = 1.96995$; mho/m, $\epsilon_r = 51.3076$; $\rho = 1000$ kg/m³

- Electronics: DAE3 Sn442; Probe: ET3DV6 - SN1380; ConvF(4.16, 4.16, 4.16)

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

Channel 6 Test/Area Scan (61x81x1): Measurement grid: dx=20mm, dy=20mm

Reference Value = 10.9 V/m; Power Drift = -0.4 dB

Maximum value of SAR (interpolated) = 0.139 mW/g

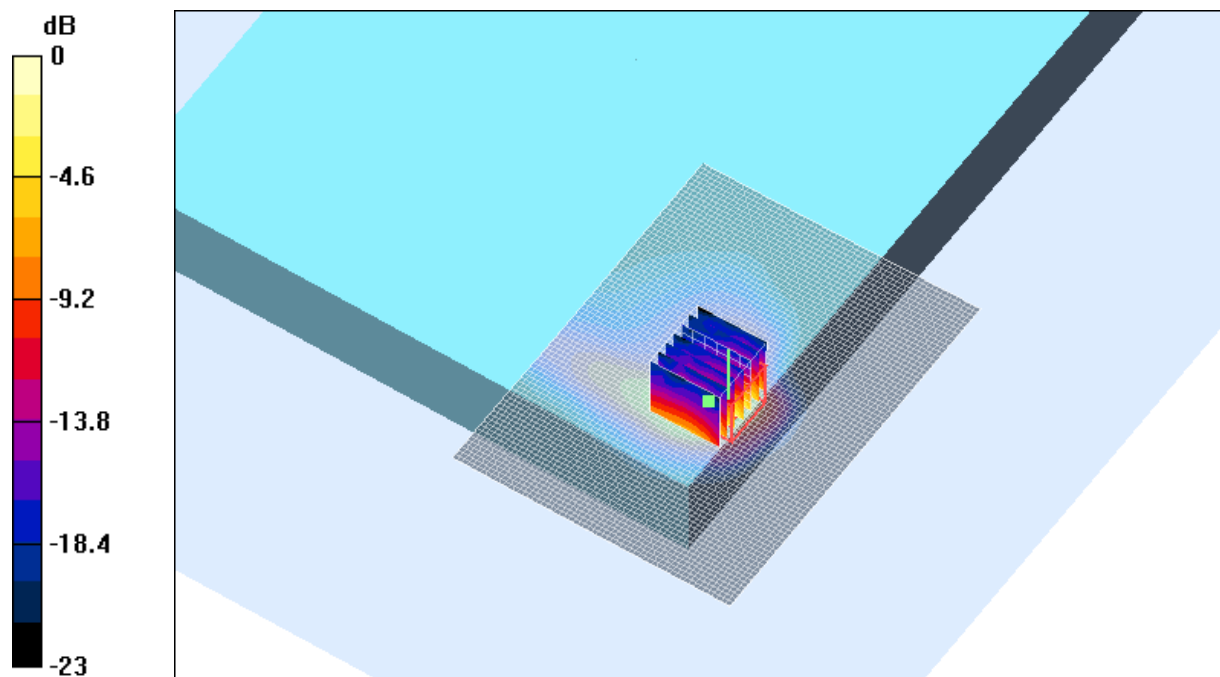
Channel 6 Test/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 10.9 V/m; Power Drift = -0.4 dB

Maximum value of SAR (measured) = 0.276 mW/g

Peak SAR (extrapolated) = 0.634 W/kg

SAR(1 g) = 0.234 mW/g; SAR(10 g) = 0.092 mW/g



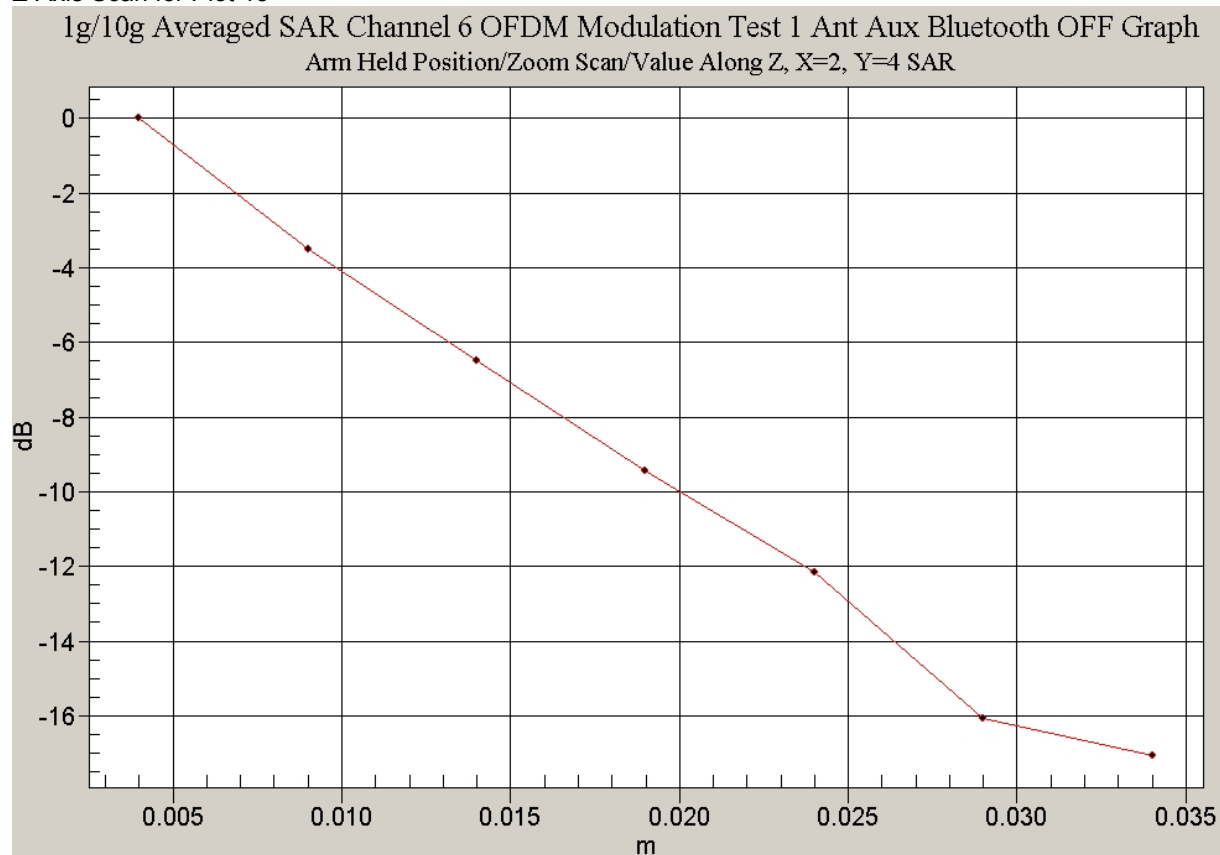
0 dB = 0.276mW/g

SAR MEASUREMENT PLOT 13

Ambient Temperature
Liquid Temperature
Humidity

20.6 Degrees Celsius
19.9 Degrees Celsius
42.0 %

Z-Axis Scan for Plot 13



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Test Date: 23 August 2004

File Name: [Validation 2450 MHz \(DAE442 Probe1380\) 23-08-04.da4](#)

DUT: Dipole 2450 MHz; Type: DV2450V2; Serial: 724

* Communication System: CW 2450 MHz; Frequency: 2450 MHz; Duty Cycle: 1:1

* Medium parameters used: $\sigma = 1.8814$; mho/m, $\epsilon_r = 38.8261$; $\rho = 1000 \text{ kg/m}^3$

- Electronics: DAE3 Sn442; Probe: ET3DV6 - SN1380; ConvF(4.47, 4.47, 4.47)

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

Channel 1 Test 2/Area Scan (61x61x1): Measurement grid: dx=15mm, dy=15mm

Reference Value = 97.2 V/m; Power Drift = 0.004 dB

Maximum value of SAR (interpolated) = 15.6 mW/g

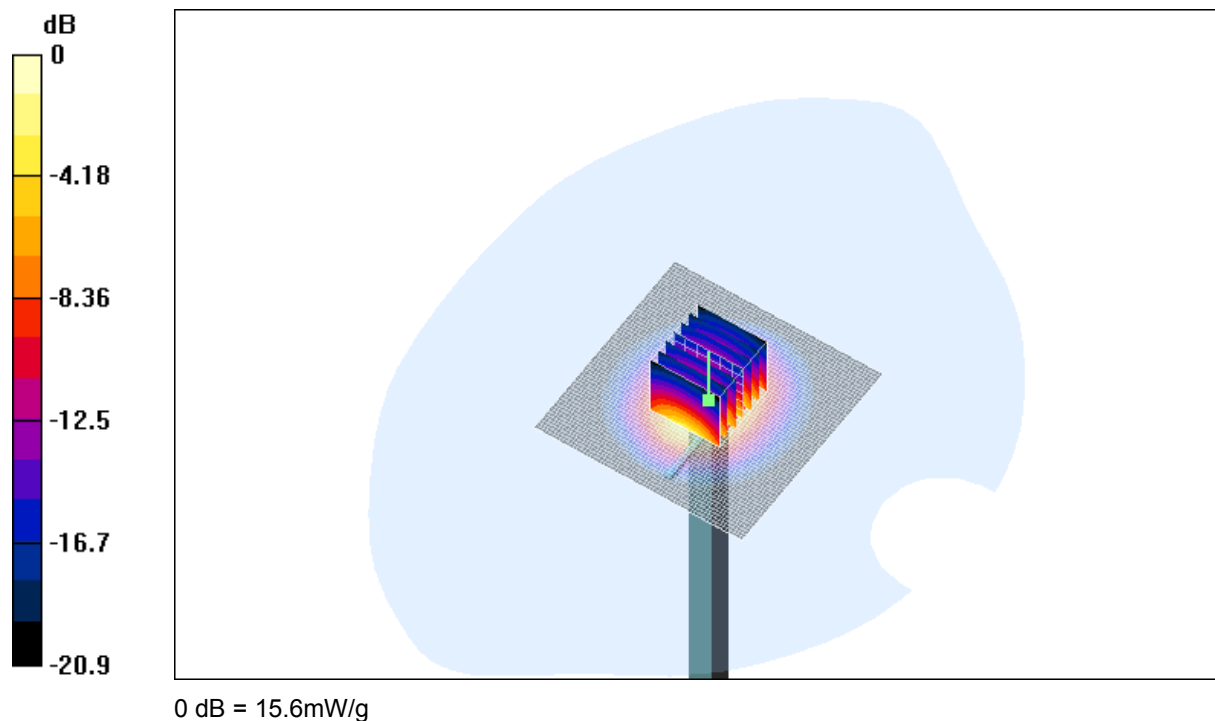
Channel 1 Test 2/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 97.2 V/m; Power Drift = 0.004 dB

Maximum value of SAR (measured) = 15.6 mW/g

Peak SAR (extrapolated) = 27.6 W/kg

SAR(1 g) = 13.7 mW/g; SAR(10 g) = 6.55 mW/g



SAR MEASUREMENT PLOT 14

Ambient Temperature
Liquid Temperature
Humidity

20.5 Degrees Celsius
19.8 Degrees Celsius
44.0 %

Test Date: 24 August 2004

File Name: [Validation 2450 MHz \(DAE442 Probe1380\) 24-08-04.da4](#)

DUT: Dipole 2450 MHz; Type: DV2450V2; Serial: 724

* Communication System: CW 2450 MHz; Frequency: 2450 MHz; Duty Cycle: 1:1

* Medium parameters used: $\sigma = 1.8072$; mho/m, $\epsilon_r = 38.2731$; $\rho = 1000 \text{ kg/m}^3$

- Electronics: DAE3 Sn442; Probe: ET3DV6 - SN1380; ConvF(4.47, 4.47, 4.47)

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

Channel 1 Test/Area Scan (61x61x1): Measurement grid: dx=15mm, dy=15mm

Reference Value = 101.1 V/m; Power Drift = -0.0 dB

Maximum value of SAR (interpolated) = 18.2 mW/g

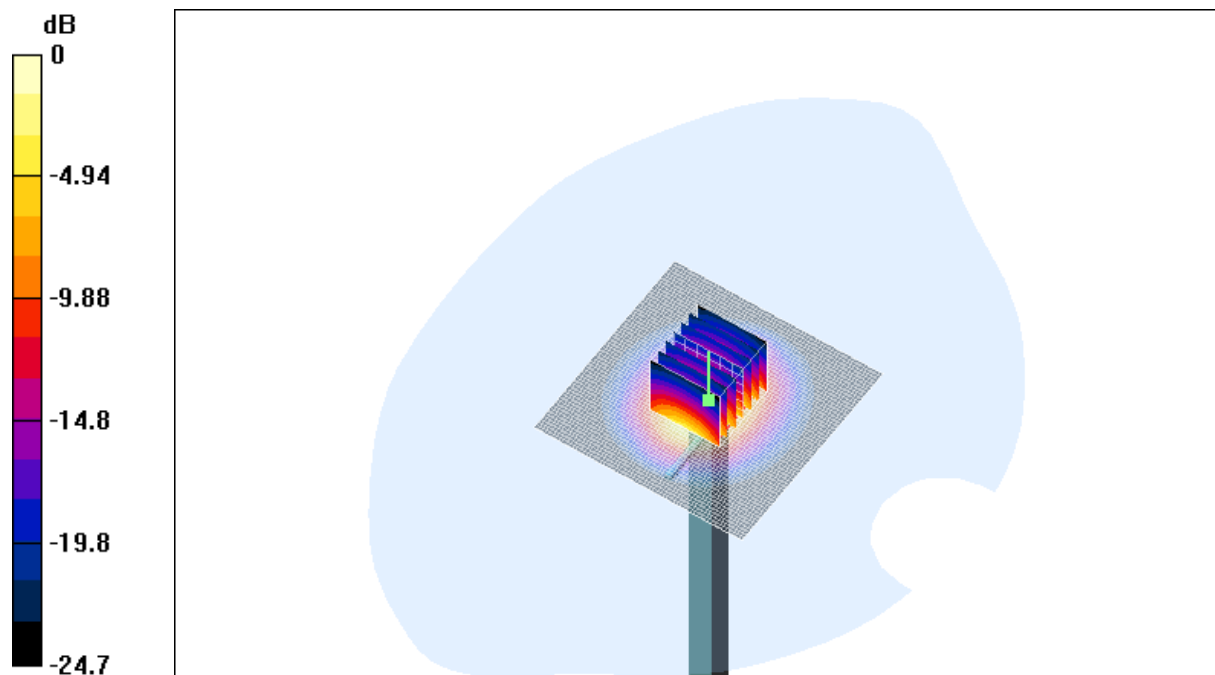
Channel 1 Test/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 101.1 V/m; Power Drift = -0.0 dB

Maximum value of SAR (measured) = 15.4 mW/g

Peak SAR (extrapolated) = 31.7 W/kg

SAR(1 g) = 14.2 mW/g; SAR(10 g) = 5.91 mW/g



0 dB = 15.4mW/g

SAR MEASUREMENT PLOT 15

Ambient Temperature
Liquid Temperature
Humidity

20.5 Degrees Celsius
19.8 Degrees Celsius
44.0 %

APPENDIX C

SAR TESTING EQUIPMENT CALIBRATION CERTIFICATE ATTACHMENTS

Calibration Certificate Attachments

- | | |
|--|---------|
| 1. 2.45GHz E-Field Probe Calibration Sheet | 9 Pages |
| 2. 2450MHz Dipole Calibration Sheet | 6 pages |