

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 16: 2450 MHz DSSS Band SAR Measurement Plot Numbers

Plot 1	Lap Arm Held Position – Ant Main – Pre-scan	CH#06
Plot 2	Lap Arm Held Position – Ant Aux – 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 Aux – Pre-scan	CH#06
	WLAN with Bluetooth On	
Plot 10	Lap Arm Held Position With Blue tooth Ant Aux BTCH#01	CH#11
Plot 11	Lap Arm Held Position With Blue tooth Ant Aux BTCH#40	CH#11
Plot 12	Lap Arm Held Position With Blue tooth Ant Aux BTCH#79	CH#11
Z-axis graphs	Z-Axis graphs for Plots 10 to 12	
Plot 13	Lap Arm Held Position With Blue tooth Ant Main BTCH#01	CH#01
Plot 14	Lap Arm Held Position With Blue tooth Ant Main BTCH#40	CH#01
Plot 15	Lap Arm Held Position With Blue tooth Ant Main BTCH#79	CH#01
Z-axis graphs	Z-Axis graphs for Plots 13 to 15	

Table 17: 2450 MHz OFDM Band SAR Measurement Plot Numbers

Plot 16	Lap Arm Held Position – Ant Aux	CH#06
Z-Axis Graphs	Z-Axis graphs for Plot 16	

Table 18: 2450MHz Validation Plot

Plot 17	Validation 2450MHz 28 July 2004
Plot 18	Validation 2450MHz 29 July 2004
Plot 19	Validation 2450MHz 30 July 2004
Z-Axis Graphs	Z-Axis graphs for Plots 14 & 15

Test Date: 28 July 2004

File Name: [Arm Held DSSS 2450 MHz Soriel Antenna Main Bluetooth On Prescan 28-07-04.da4](#)

DUT: Fujitsu Tablet Soriel with Calexico 11bg and Bluetooth; Type: 2200 BG; Serial: 0055F6463ADC55373203

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

* Medium parameters used: $\sigma = 1.95929$; mho/m, $\epsilon_r = 50.5045$; $\rho = 1000 \text{ kg/m}^3$

- 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 Bluetooth at 2441 MHz Test/Area Scan (141x161x1): Measurement grid: dx=20mm, dy=20mm

Reference Value = 12.1 V/m; Power Drift = 0.3 dB

Maximum value of SAR (interpolated) = 0.355 mW/g

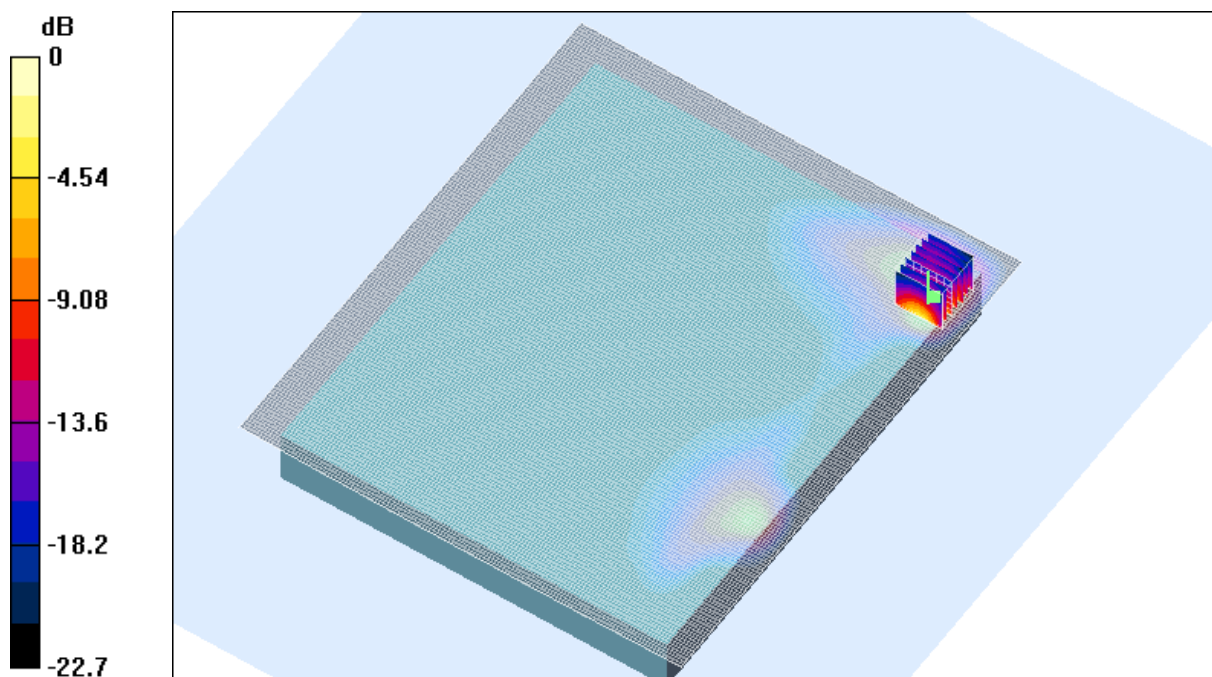
Channel 6 Bluetooth at 2441 MHz Test/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 12.1 V/m; Power Drift = 0.3 dB

Maximum value of SAR (measured) = 0.494 mW/g

Peak SAR (extrapolated) = 1.05 W/kg

SAR(1 g) = 0.425 mW/g; SAR(10 g) = 0.182 mW/g



0 dB = 0.494mW/g

SAR MEASUREMENT PLOT 1

Ambient Temperature
Liquid Temperature
Humidity

20.4 Degrees Celsius
19.4 Degrees Celsius
42 %

Test Date: 28 July 2004

File Name: [Arm Held DSSS 2450 MHz Soriel Antenna Aux Bluetooth Off Prescan 28-07-04.da4](#)

DUT: Fujitsu Tablet Soriel with Calexico 11bg and Bluetooth; Type: 2200 BG; Serial: 0055F6463ADC55373203

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

* Medium parameters used: $\sigma = 1.95929$; mho/m, $\epsilon_r = 50.5045$; $\rho = 1000 \text{ kg/m}^3$

- 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 = 18.2 V/m; Power Drift = -0.3 dB

Maximum value of SAR (interpolated) = 0.315 mW/g

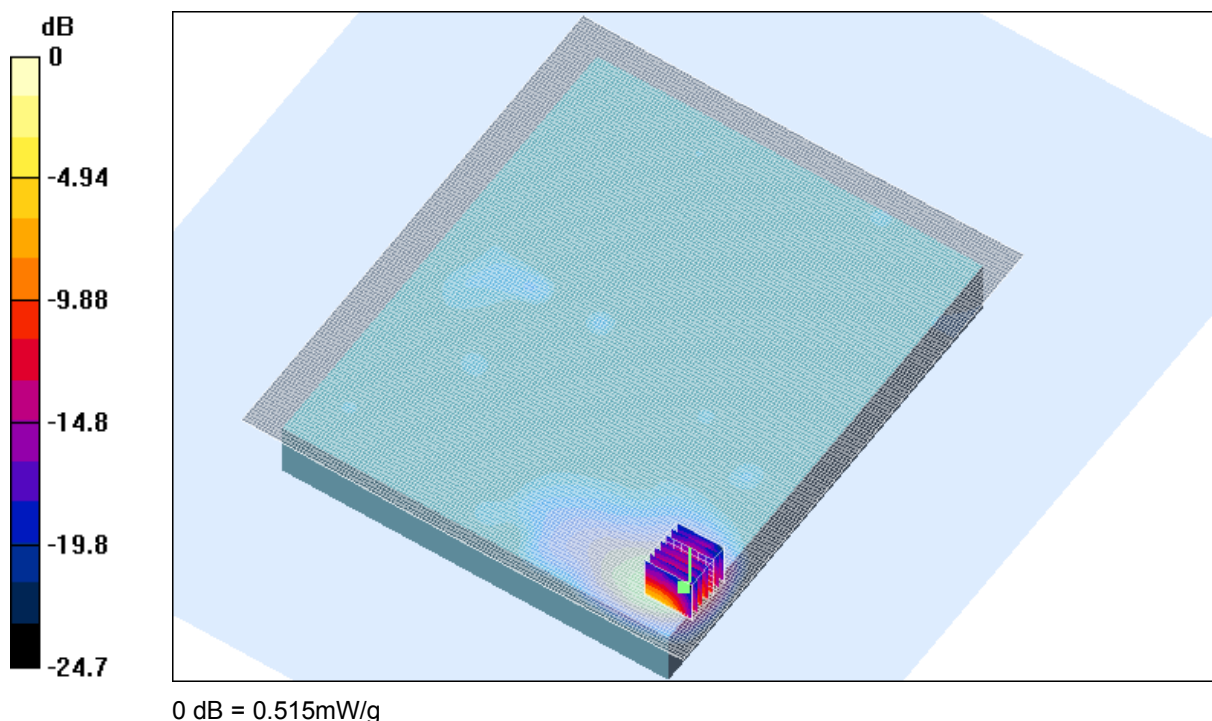
Channel 6 Test/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 18.2 V/m; Power Drift = -0.3 dB

Maximum value of SAR (measured) = 0.515 mW/g

Peak SAR (extrapolated) = 1.3 W/kg

SAR(1 g) = 0.476 mW/g; SAR(10 g) = 0.187 mW/g



SAR MEASUREMENT PLOT 2

Ambient Temperature
Liquid Temperature
Humidity

20.4 Degrees Celsius
19.4 Degrees Celsius
42 %

Test Date: 28 July 2004

File Name: [Arm Held DSSS 2450 MHz Soriel Antenna Aux Bluetooth Off 28-07-04.da4](#)

DUT: Fujitsu Tablet Soriel with Calexico 11bg and Bluetooth; Type: 2200 BG; Serial: 0055F6463ADC55373203

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

* Medium parameters used: $\sigma = 1.92933$; mho/m, $\epsilon_r = 50.6333$; $\rho = 1000 \text{ kg/m}^3$

- 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 (81x101x1): Measurement grid: dx=15mm, dy=15mm

Reference Value = 19.1 V/m; Power Drift = -0.5 dB

Maximum value of SAR (interpolated) = 0.447 mW/g

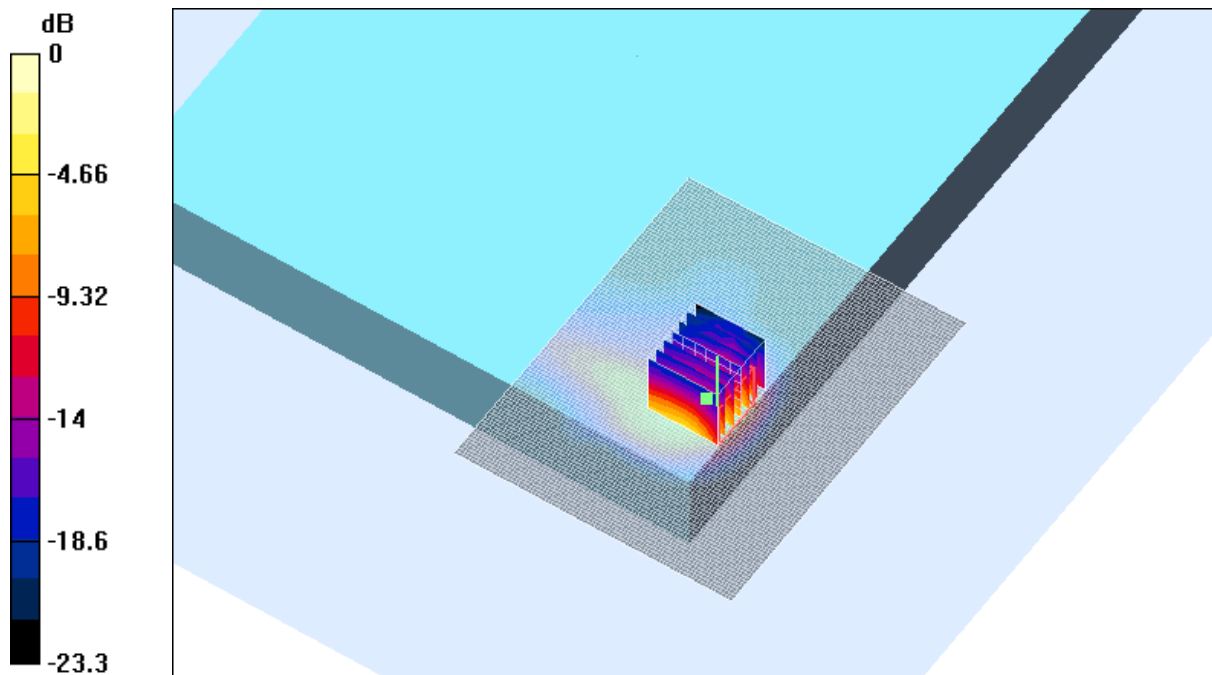
Channel 1 Test/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 19.1 V/m; Power Drift = -0.5 dB

Maximum value of SAR (measured) = 0.549 mW/g

Peak SAR (extrapolated) = 1.38 W/kg

SAR(1 g) = 0.500 mW/g; SAR(10 g) = 0.196 mW/g



0 dB = 0.549mW/g

SAR MEASUREMENT PLOT 3

Ambient Temperature
Liquid Temperature
Humidity

20.4 Degrees Celsius
19.4 Degrees Celsius
42 %

Test Date: 28 July 2004

File Name: [Arm Held DSSS 2450 MHz Soriel Antenna Aux Bluetooth Off 28-07-04.da4](#)

DUT: Fujitsu Tablet Soriel with Calexico 11bg and Bluetooth; Type: 2200 BG; Serial: 0055F6463ADC55373203

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

* Medium parameters used: $\sigma = 1.95929$; mho/m, $\epsilon_r = 50.5045$; $\rho = 1000 \text{ kg/m}^3$

- 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 2/Area Scan (81x101x1): Measurement grid: dx=15mm, dy=15mm

Reference Value = 18.4 V/m; Power Drift = -0.0 dB

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

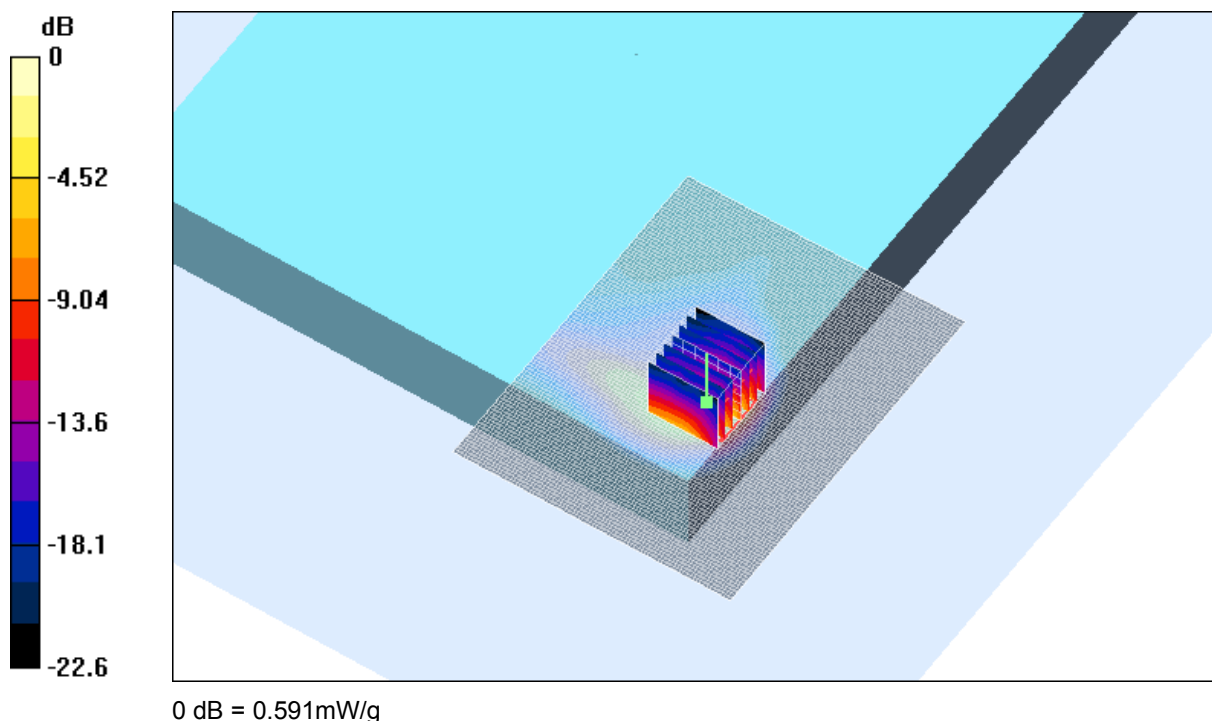
Channel 6 Test 2/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 18.4 V/m; Power Drift = -0.0 dB

Maximum value of SAR (measured) = 0.591 mW/g

Peak SAR (extrapolated) = 1.51 W/kg

SAR(1 g) = 0.531 mW/g; SAR(10 g) = 0.204 mW/g



SAR MEASUREMENT PLOT 4

Ambient Temperature
Liquid Temperature
Humidity

20.4 Degrees Celsius
19.4 Degrees Celsius
42 %

Test Date: 29 July 2004

File Name: [Arm Held DSSS 2450 MHz Soriel Antenna Aux Bluetooth Off 29-07-04.da4](#)

DUT: Fujitsu Tablet Soriel with Calexico 11bg and Bluetooth; Type: 2200 BG; Serial: 0055F6463ADC55373203

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

* Medium parameters used: $\sigma = 1.99304$; mho/m, $\epsilon_r = 50.2384$; $\rho = 1000 \text{ kg/m}^3$

- 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 (81x101x1): Measurement grid: dx=15mm, dy=15mm

Reference Value = 20.4 V/m; Power Drift = -0.2 dB

Maximum value of SAR (interpolated) = 0.598 mW/g

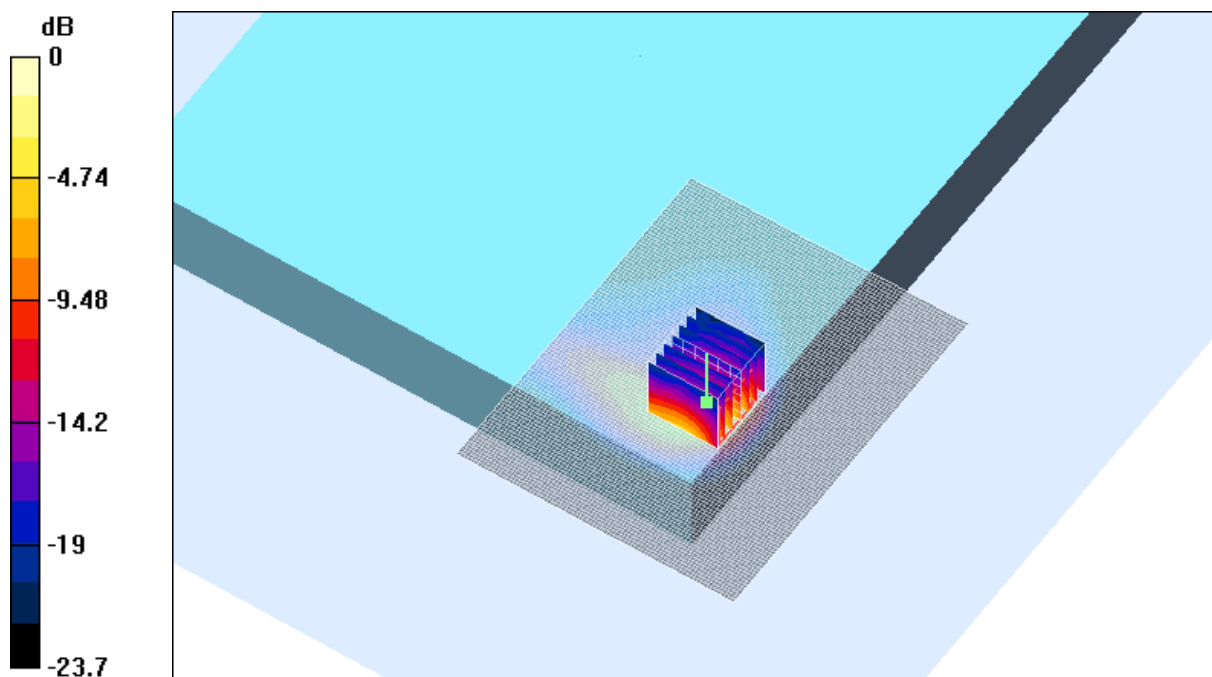
Channel 11 Test/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 20.4 V/m; Power Drift = -0.2 dB

Maximum value of SAR (measured) = 0.671 mW/g

Peak SAR (extrapolated) = 1.71 W/kg

SAR(1 g) = 0.600 mW/g; SAR(10 g) = 0.229 mW/g



0 dB = 0.671mW/g

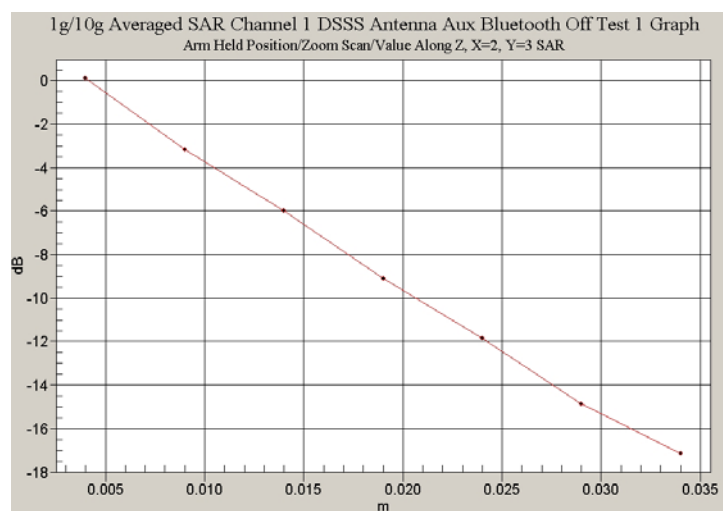
SAR MEASUREMENT PLOT 5

Ambient Temperature
Liquid Temperature
Humidity

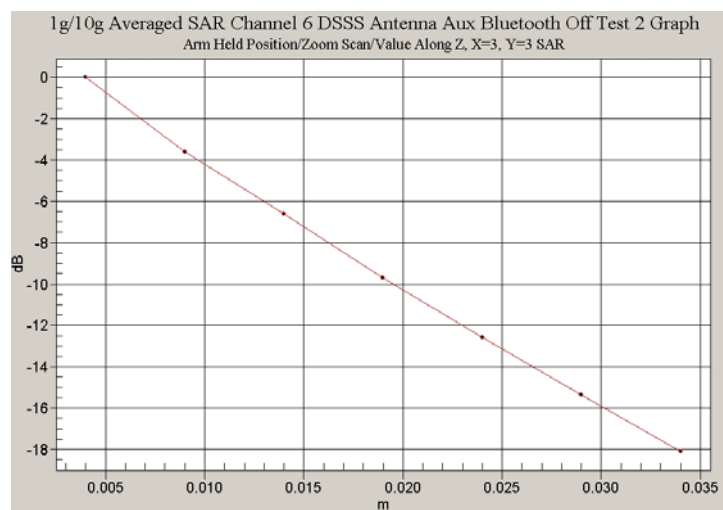
20.3 Degrees Celsius
19.3 Degrees Celsius
43 %

Z-Axis scan for plot 3

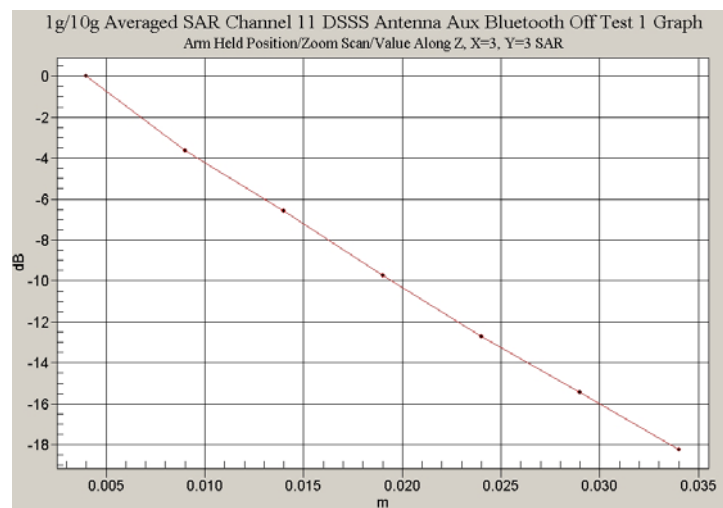
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Z-Axis scan for plot 4



Z-Axis scan for plot 5



Test Date: 29 July 2004

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File Name: [Arm Held DSSS 2450 MHz Soriel Antenna Main Bluetooth Off 29-07-04.da4](#)

DUT: Fujitsu Tablet Soriel with Calexico 11bg and Bluetooth; Type: 2200 BG; Serial: 0055F6463ADC55373203

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

* Medium parameters used: $\sigma = 1.93545$; mho/m, $\epsilon_r = 50.5101$; $\rho = 1000 \text{ kg/m}^3$

- 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 (81x101x1): Measurement grid: dx=15mm, dy=15mm

Reference Value = 15.9 V/m; Power Drift = 0.0 dB

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

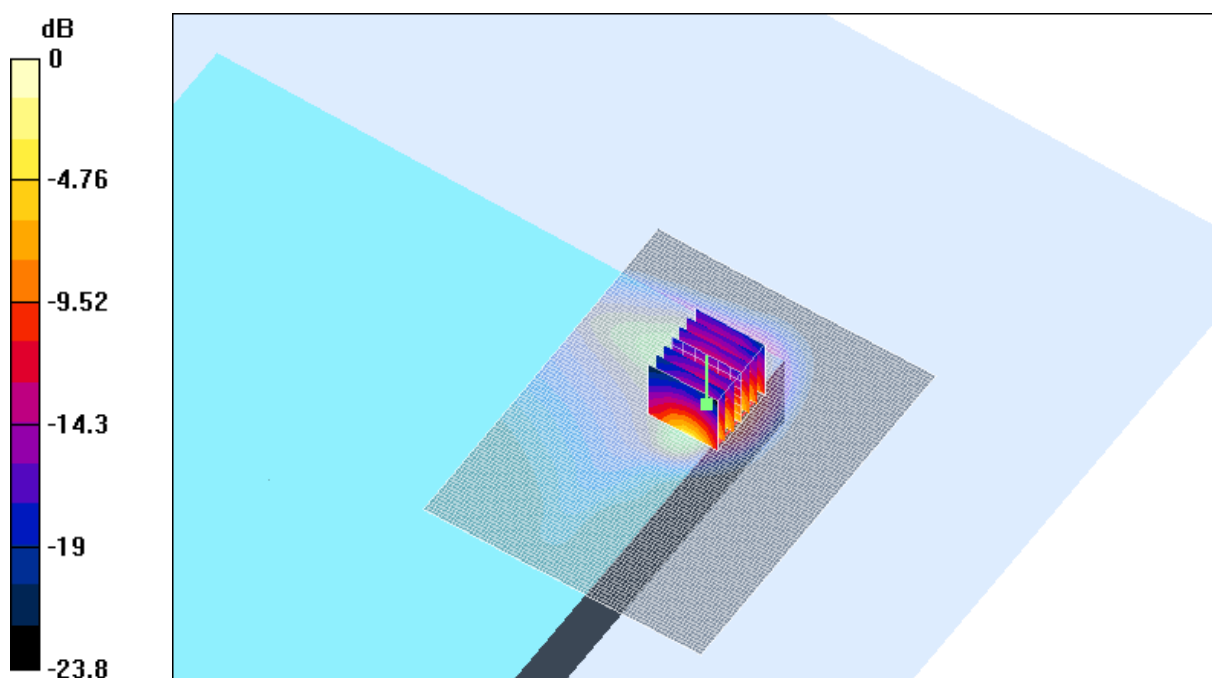
Channel 1 Test/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 15.9 V/m; Power Drift = 0.0 dB

Maximum value of SAR (measured) = 0.549 mW/g

Peak SAR (extrapolated) = 1.22 W/kg

SAR(1 g) = 0.504 mW/g; SAR(10 g) = 0.216 mW/g



0 dB = 0.549mW/g

SAR MEASUREMENT PLOT 6

Ambient Temperature
Liquid Temperature
Humidity

20.3 Degrees Celsius
19.3 Degrees Celsius
43 %

Test Date: 29 July 2004

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File Name: [Arm Held DSSS 2450 MHz Soriel Antenna Main Bluetooth Off 29-07-04.da4](#)

DUT: Fujitsu Tablet Soriel with Calexico 11bg and Bluetooth; Type: 2200 BG; Serial: 0055F6463ADC55373203

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

* Medium parameters used: $\sigma = 1.9691$; mho/m, $\epsilon_r = 50.36$; $\rho = 1000 \text{ kg/m}^3$

- 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 (81x101x1): Measurement grid: dx=15mm, dy=15mm

Reference Value = 14.9 V/m; Power Drift = 0.3 dB

Maximum value of SAR (interpolated) = 0.500 mW/g

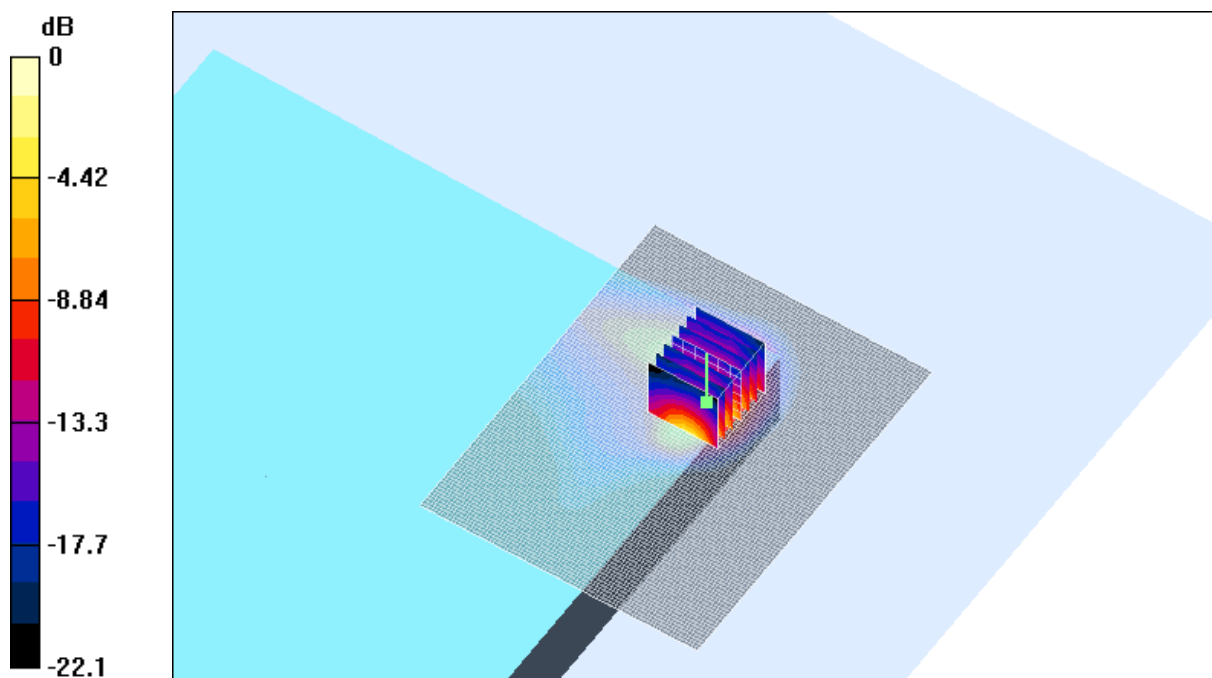
Channel 6 Test/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 14.9 V/m; Power Drift = 0.3 dB

Maximum value of SAR (measured) = 0.498 mW/g

Peak SAR (extrapolated) = 1.08 W/kg

SAR(1 g) = 0.438 mW/g; SAR(10 g) = 0.187 mW/g



SAR MEASUREMENT PLOT 7

Ambient Temperature
Liquid Temperature
Humidity

20.3 Degrees Celsius
19.3 Degrees Celsius
43 %

Test Date: 29 July 2004

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File Name: [Arm Held DSSS 2450 MHz Soriel Antenna Main Bluetooth Off 29-07-04.da4](#)

DUT: Fujitsu Tablet Soriel with Calexico 11bg and Bluetooth; Type: 2200 BG; Serial: 0055F6463ADC55373203

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

* Medium parameters used: $\sigma = 1.99304$; mho/m, $\epsilon_r = 50.2384$; $\rho = 1000 \text{ kg/m}^3$

- 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 (81x101x1): Measurement grid: dx=15mm, dy=15mm

Reference Value = 15.1 V/m; Power Drift = 0.1 dB

Maximum value of SAR (interpolated) = 0.526 mW/g

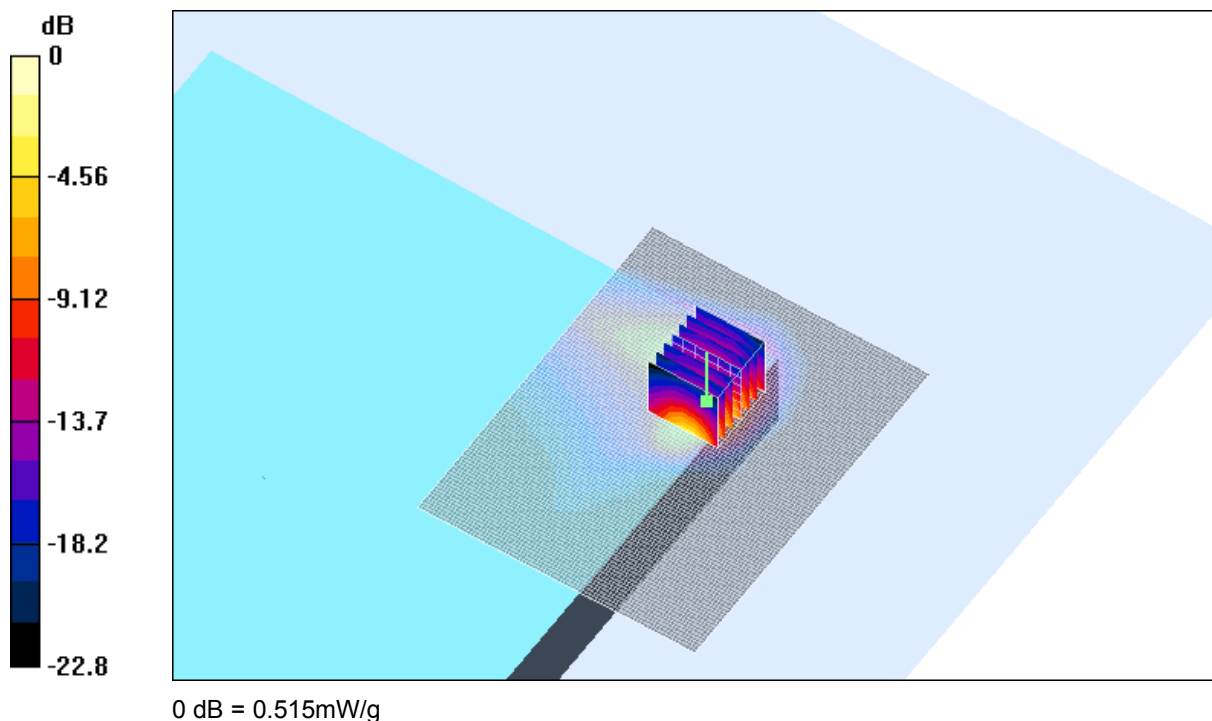
Channel 11 Test/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 15.1 V/m; Power Drift = 0.1 dB

Maximum value of SAR (measured) = 0.515 mW/g

Peak SAR (extrapolated) = 1.1 W/kg

SAR(1 g) = 0.448 mW/g; SAR(10 g) = 0.191 mW/g



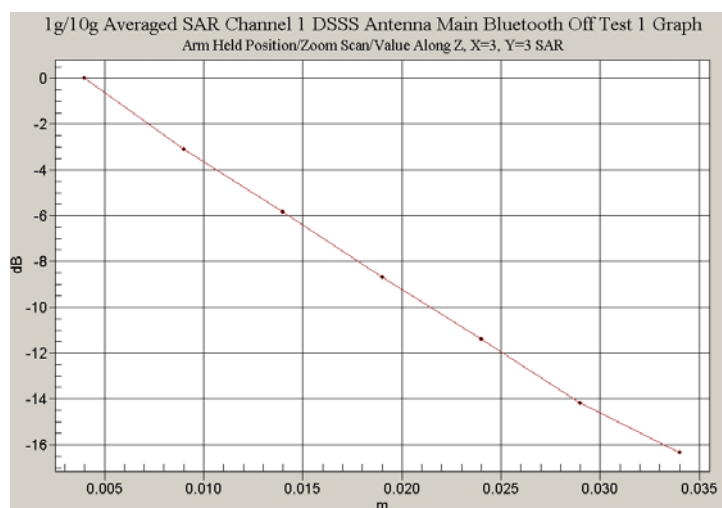
SAR MEASUREMENT PLOT 8

Ambient Temperature
Liquid Temperature
Humidity

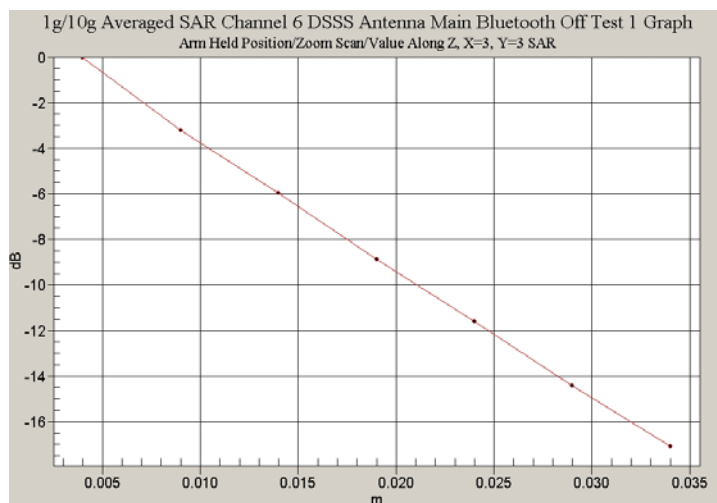
20.3 Degrees Celsius
19.3 Degrees Celsius
43 %

Z-Axis scan for plot 6

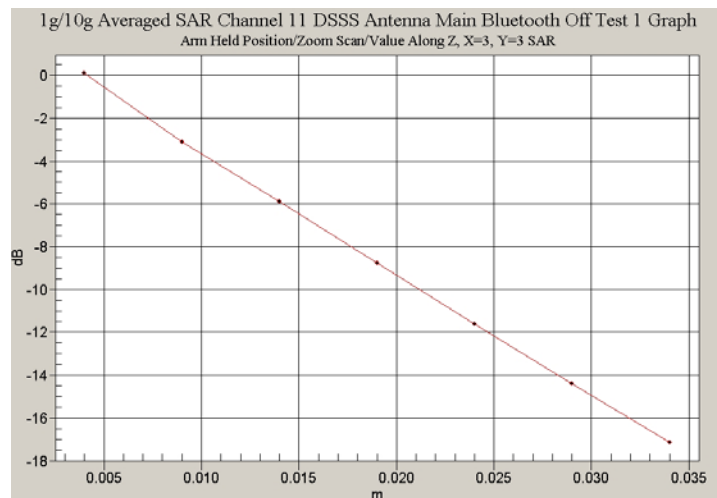
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Z-Axis scan for plot 7



Z-Axis scan for plot 8



Test Date: 28 July 2004

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File Name: [Tablet DSSS 2450 MHz Soriel Antenna Main Bluetooth On Prescan 28-07-04.da4](#)

DUT: Fujitsu Tablet Soriel with Calexico 11bg and Bluetooth; Type: 2200 BG; Serial: 0055F6463ADC55373203

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

* Medium parameters used: $\sigma = 1.95929$; mho/m, $\epsilon_r = 50.5045$; $\rho = 1000 \text{ kg/m}^3$

- 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 Bluetooth at 2441 MHz Test/Area Scan (141x161x1): Measurement grid:

dx=20mm, dy=20mm

Reference Value = 0.849 V/m; Power Drift = -0.8 dB

Maximum value of SAR (interpolated) = 0.00375 mW/g

Channel 6 Bluetooth at 2441 MHz Test/Zoom Scan (7x7x7)/Cube 0: Measurement

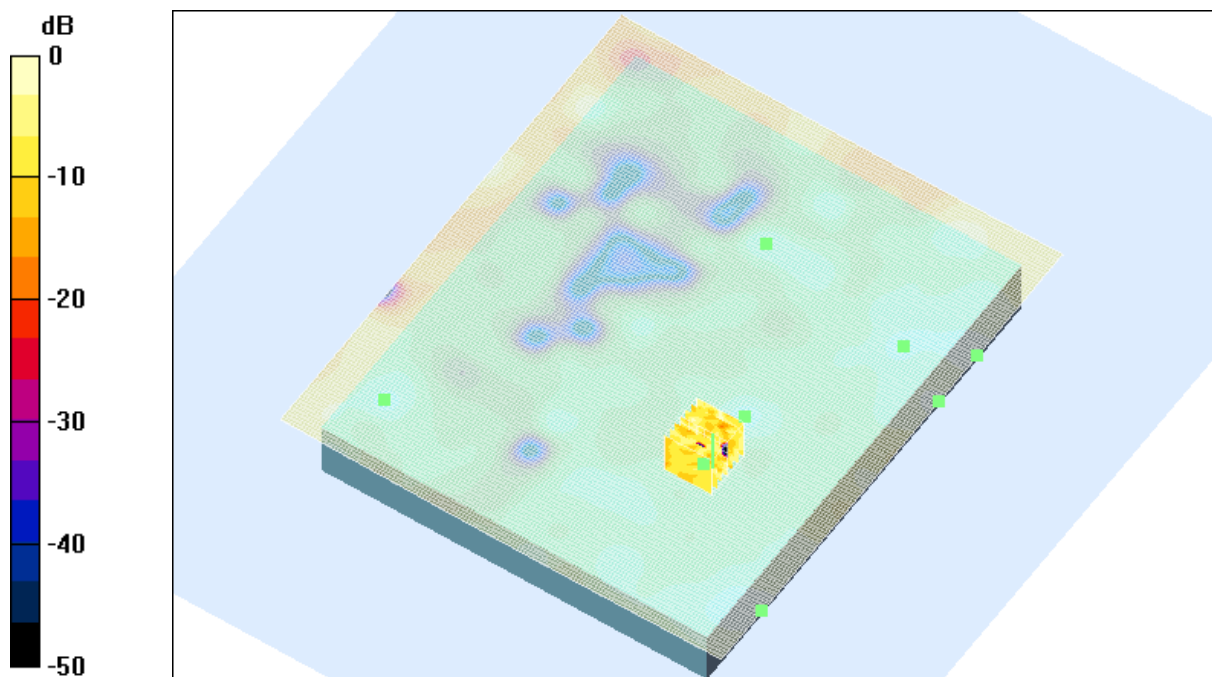
grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 0.849 V/m; Power Drift = -0.8 dB

Maximum value of SAR (measured) = 0.00483 mW/g

Peak SAR (extrapolated) = 0.00681 W/kg

SAR(1 g) = 0.00176 mW/g; SAR(10 g) = 0.000915 mW/g



0 dB = 0.00483mW/g

SAR MEASUREMENT PLOT 9

Ambient Temperature

20.4 Degrees Celsius

Liquid Temperature

19.4 Degrees Celsius

Humidity

42 %

Test Date: 29 July 2004

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File Name: [Arm Held DSSS 2450 MHz Soriel Antenna Aux Bluetooth On 29-07-04.da4](#)

DUT: Fujitsu Tablet Soriel with Calexico 11bg and Bluetooth; Type: 2200 BG; Serial: 0055F6463ADC55373203

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

* Medium parameters used: $\sigma = 1.99304$; mho/m, $\epsilon_r = 50.2384$; $\rho = 1000 \text{ kg/m}^3$

- 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 (81x101x1): Measurement grid:

dx=15mm, dy=15mm

Reference Value = 19 V/m; Power Drift = 0.0 dB

Maximum value of SAR (interpolated) = 0.514 mW/g

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

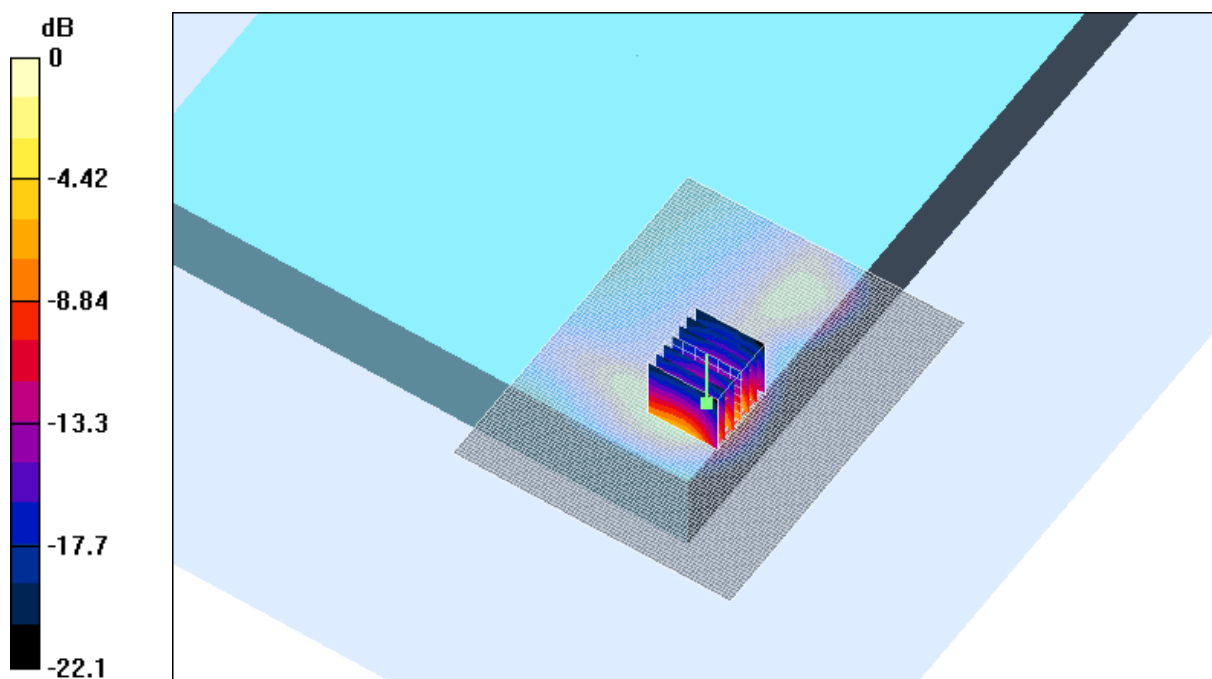
Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 19 V/m; Power Drift = 0.0 dB

Maximum value of SAR (measured) = 0.645 mW/g

Peak SAR (extrapolated) = 1.61 W/kg

SAR(1 g) = 0.573 mW/g; SAR(10 g) = 0.222 mW/g



0 dB = 0.645mW/g

SAR MEASUREMENT PLOT 10

Ambient Temperature

20.3 Degrees Celsius

Liquid Temperature

19.3 Degrees Celsius

Humidity

43 %

Test Date: 29 July 2004

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File Name: [Arm Held DSSS 2450 MHz Soriel Antenna Aux Bluetooth On 29-07-04.da4](#)

DUT: Fujitsu Tablet Soriel with Calexico 11bg and Bluetooth; Type: 2200 BG; Serial: 0055F6463ADC55373203

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

* Medium parameters used: $\sigma = 1.99304$; mho/m, $\epsilon_r = 50.2384$; $\rho = 1000 \text{ kg/m}^3$

- 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 (81x101x1): Measurement grid:

dx=15mm, dy=15mm

Reference Value = 19.2 V/m; Power Drift = -0.0 dB

Maximum value of SAR (interpolated) = 0.512 mW/g

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

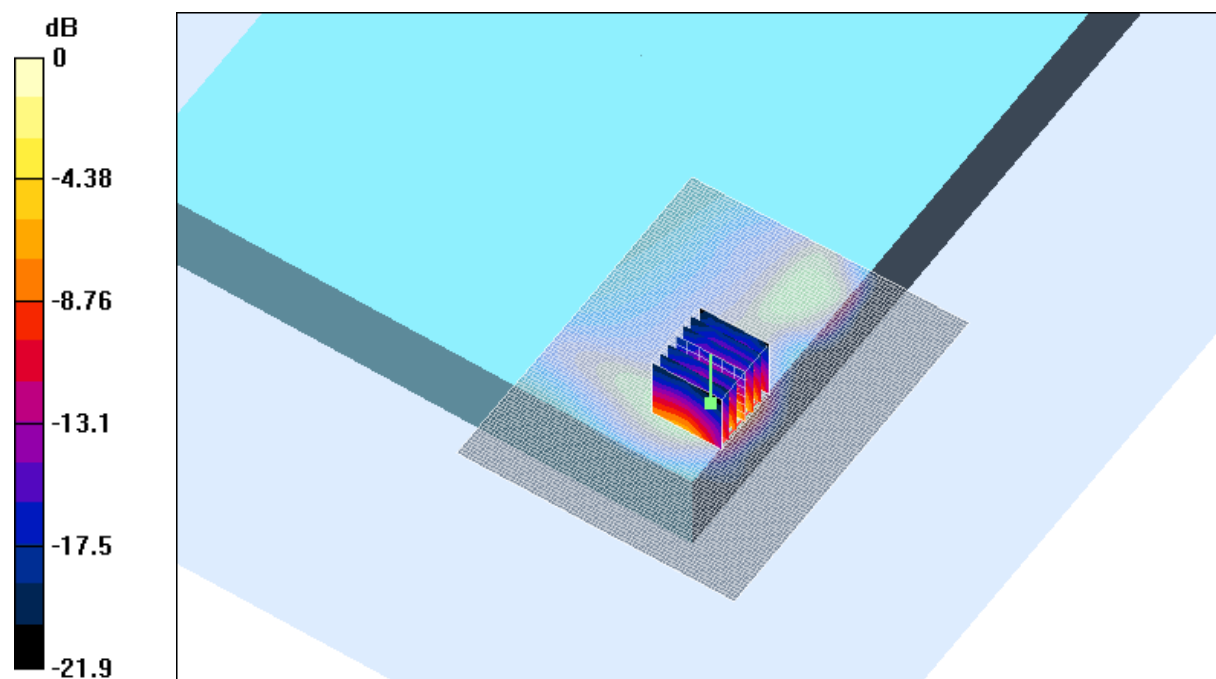
Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 19.2 V/m; Power Drift = -0.0 dB

Maximum value of SAR (measured) = 0.591 mW/g

Peak SAR (extrapolated) = 1.37 W/kg

SAR(1 g) = 0.513 mW/g; SAR(10 g) = 0.207 mW/g



0 dB = 0.591mW/g

SAR MEASUREMENT PLOT 11

Ambient Temperature

20.3 Degrees Celsius

Liquid Temperature

19.3 Degrees Celsius

Humidity

43 %

Test Date: 29 July 2004

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File Name: [Arm Held DSSS 2450 MHz Soriel Antenna Aux Bluetooth On 29-07-04.da4](#)

DUT: Fujitsu Tablet Soriel with Calexico 11bg and Bluetooth; Type: 2200 BG; Serial: 0055F6463ADC55373203

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

* Medium parameters used: $\sigma = 1.99304$; mho/m, $\epsilon_r = 50.2384$; $\rho = 1000 \text{ kg/m}^3$

- 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 (81x101x1): Measurement grid:

dx=15mm, dy=15mm

Reference Value = 19.6 V/m; Power Drift = -0.1 dB

Maximum value of SAR (interpolated) = 0.542 mW/g

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

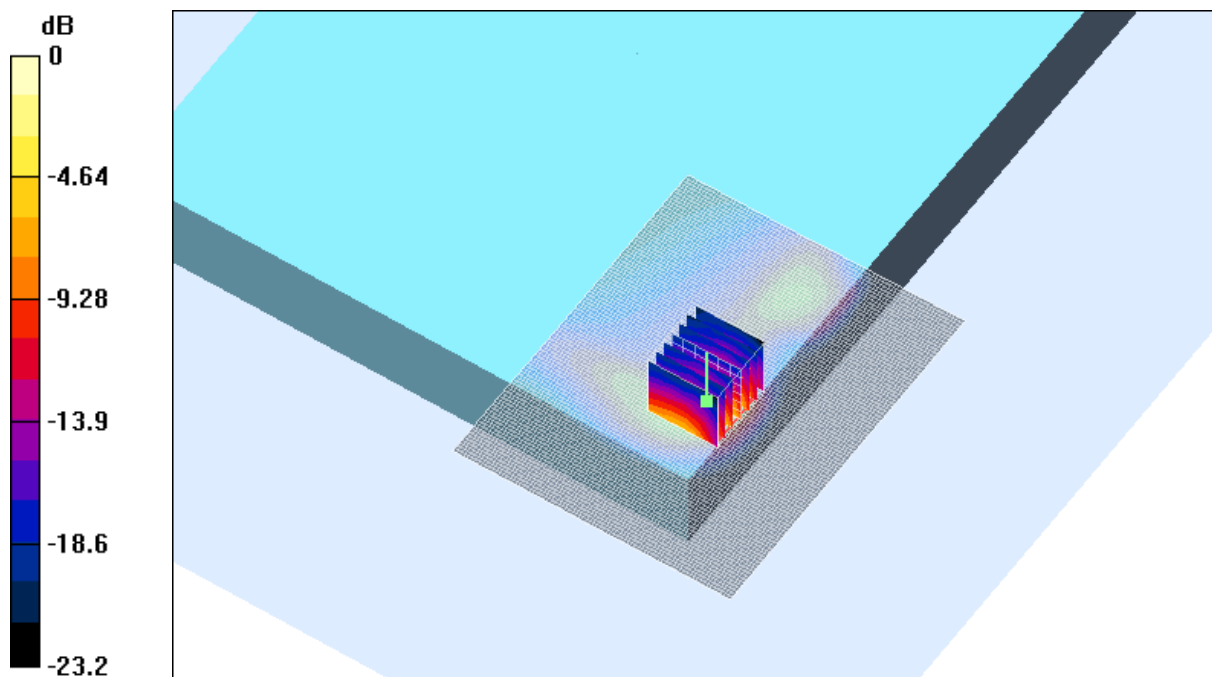
Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 19.6 V/m; Power Drift = -0.1 dB

Maximum value of SAR (measured) = 0.679 mW/g

Peak SAR (extrapolated) = 1.66 W/kg

SAR(1 g) = 0.583 mW/g; SAR(10 g) = 0.223 mW/g



0 dB = 0.679mW/g

SAR MEASUREMENT PLOT 12

Ambient Temperature

20.3 Degrees Celsius

Liquid Temperature

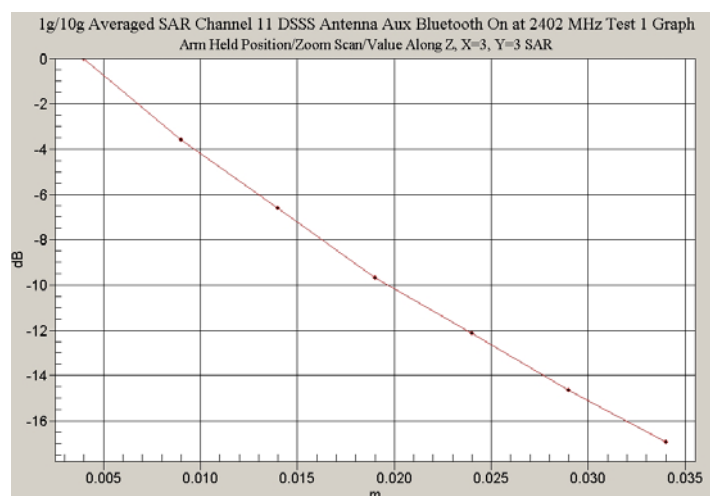
19.3 Degrees Celsius

Humidity

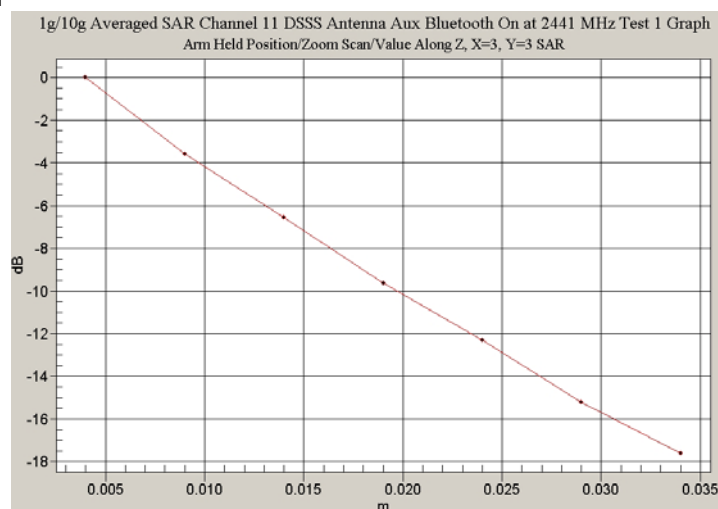
43 %

Z-Axis scan for plot 10

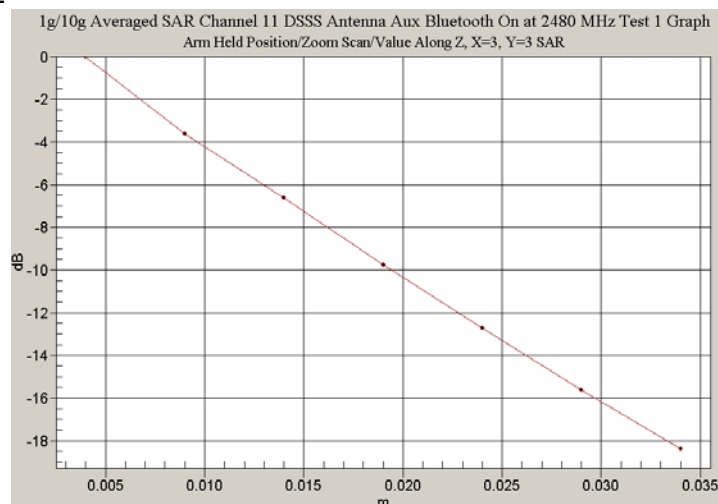
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Z-Axis scan for plot 11



Z-Axis scan for plot 12



Test Date: 30 July 2004

File Name: [Arm Held DSSS 2450 MHz Soriel Antenna Main Bluetooth On 30-07-04.da4](#)

DUT: Fujitsu Tablet Soriel with Calexico 11bg and Bluetooth; Type: 2200 BG; Serial: 0055F6463ADC55373203

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

* Medium parameters used: $\sigma = 1.94168$; mho/m, $\epsilon_r = 50.6777$; $\rho = 1000 \text{ kg/m}^3$

- 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 Bluetooth at 2402 MHz Test/Area Scan (81x101x1): Measurement grid:

dx=15mm, dy=15mm

Reference Value = 16 V/m; Power Drift = 0.005 dB

Maximum value of SAR (interpolated) = 0.593 mW/g

Channel 1 Bluetooth at 2402 MHz Test/Zoom Scan (7x7x7)/Cube 0: Measurement

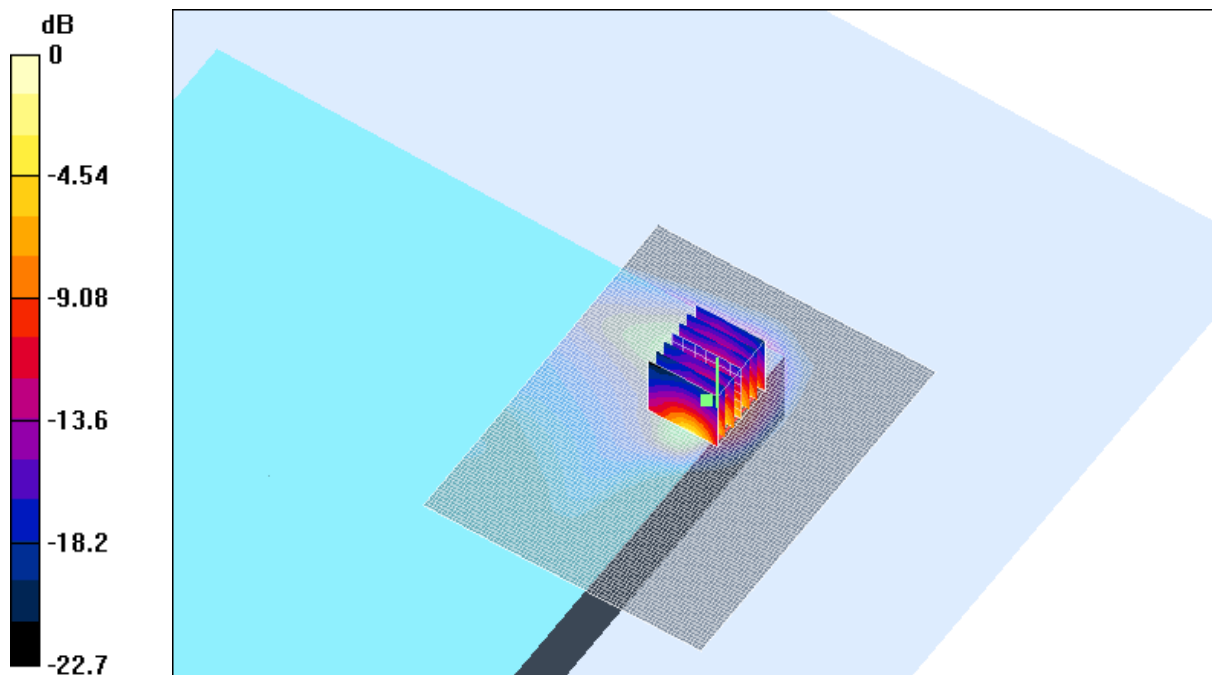
grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 16 V/m; Power Drift = 0.005 dB

Maximum value of SAR (measured) = 0.542 mW/g

Peak SAR (extrapolated) = 1.21 W/kg

SAR(1 g) = 0.492 mW/g; SAR(10 g) = 0.210 mW/g



0 dB = 0.542mW/g

SAR MEASUREMENT PLOT 13

Ambient Temperature
Liquid Temperature
Humidity

20.5 Degrees Celsius
19.8 Degrees Celsius
42 %

Test Date: 30 July 2004

File Name: [Arm Held DSSS 2450 MHz Soriel Antenna Main Bluetooth On 30-07-04.da4](#)

DUT: Fujitsu Tablet Soriel with Calexico 11bg and Bluetooth; Type: 2200 BG; Serial: 0055F6463ADC55373203

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

* Medium parameters used: $\sigma = 1.94168$; mho/m, $\epsilon_r = 50.6777$; $\rho = 1000 \text{ kg/m}^3$

- 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 Bluetooth at 2441 MHz Test/Area Scan (81x101x1): Measurement grid:

dx=15mm, dy=15mm

Reference Value = 14.9 V/m; Power Drift = 0.2 dB

Maximum value of SAR (interpolated) = 0.602 mW/g

Channel 1 Bluetooth at 2441 MHz Test/Zoom Scan (7x7x7)/Cube 0: Measurement

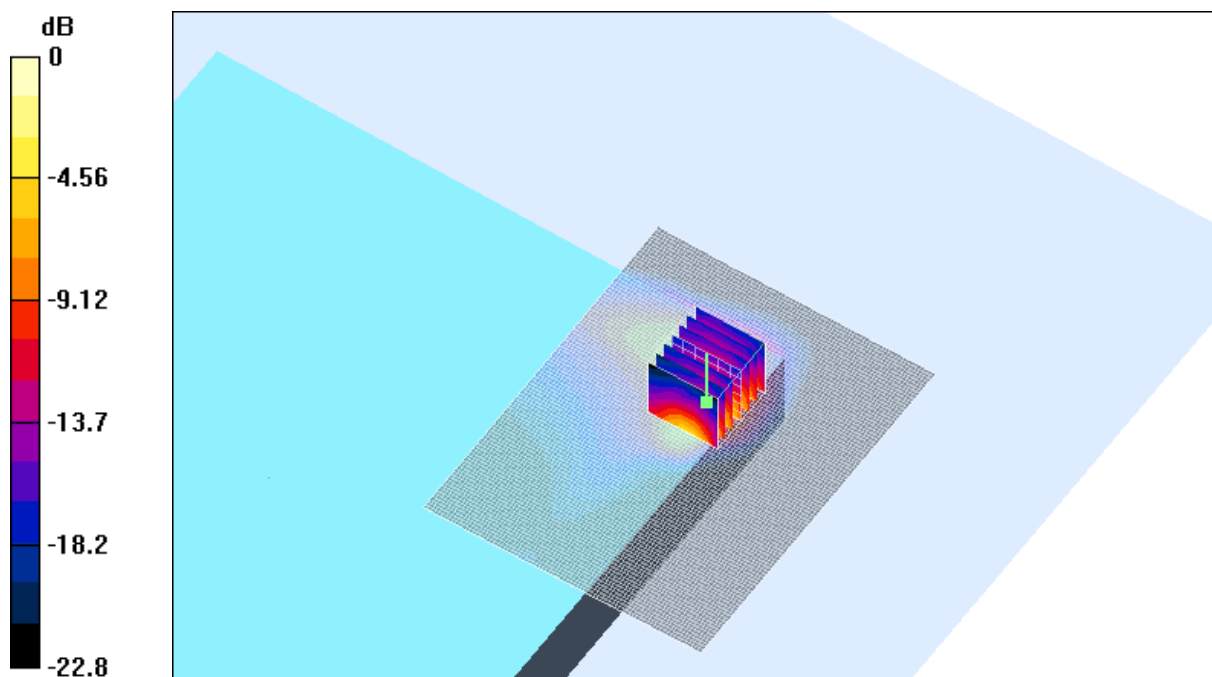
grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 14.9 V/m; Power Drift = 0.2 dB

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

Peak SAR (extrapolated) = 1.17 W/kg

SAR(1 g) = 0.484 mW/g; SAR(10 g) = 0.207 mW/g



0 dB = 0.548mW/g

SAR MEASUREMENT PLOT 14

Ambient Temperature
Liquid Temperature
Humidity

20.5 Degrees Celsius
19.8 Degrees Celsius
42 %

Test Date: 30 July 2004

File Name: [Arm Held DSSS 2450 MHz Soriel Antenna Main Bluetooth On 30-07-04.da4](#)

DUT: Fujitsu Tablet Soriel with Calexico 11bg and Bluetooth; Type: 2200 BG; Serial: 0055F6463ADC55373203

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

* Medium parameters used: $\sigma = 1.94168$; mho/m, $\epsilon_r = 50.6777$; $\rho = 1000 \text{ kg/m}^3$

- 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 Bluetooth at 2480 MHz Test/Area Scan (81x101x1): Measurement grid:

dx=15mm, dy=15mm

Reference Value = 16.1 V/m; Power Drift = -0.1 dB

Maximum value of SAR (interpolated) = 0.608 mW/g

Channel 1 Bluetooth at 2480 MHz Test/Zoom Scan (7x7x7)/Cube 0: Measurement

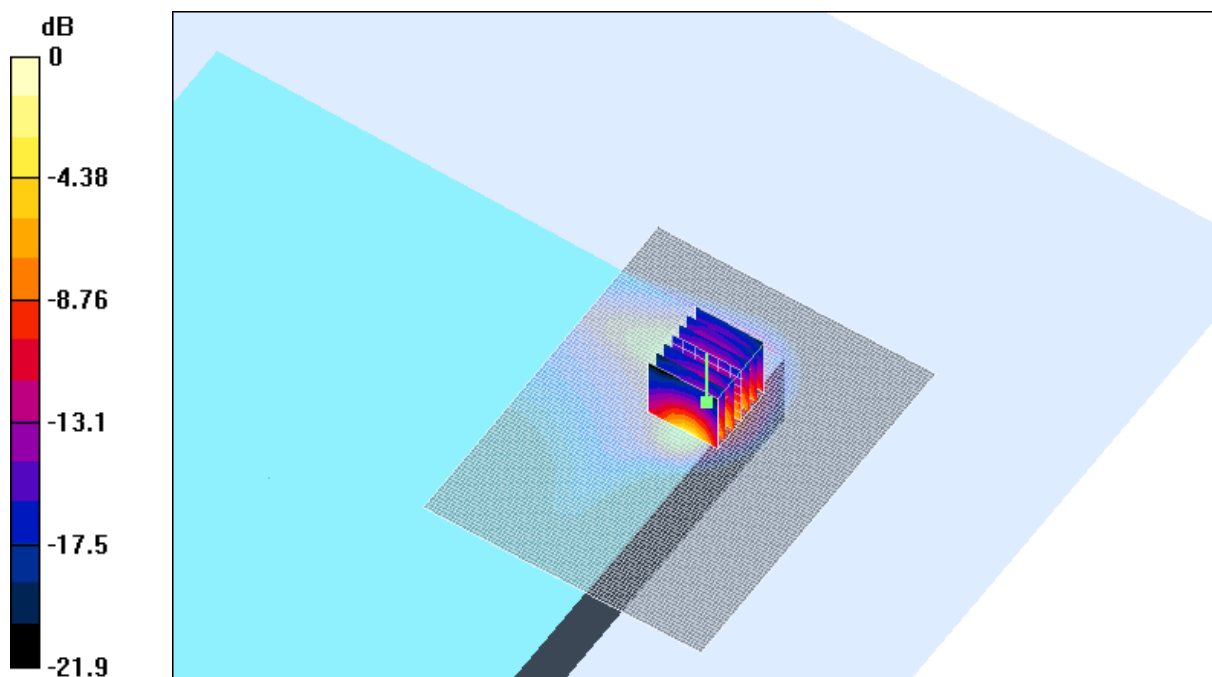
grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 16.1 V/m; Power Drift = -0.1 dB

Maximum value of SAR (measured) = 0.542 mW/g

Peak SAR (extrapolated) = 1.2 W/kg

SAR(1 g) = 0.489 mW/g; SAR(10 g) = 0.208 mW/g



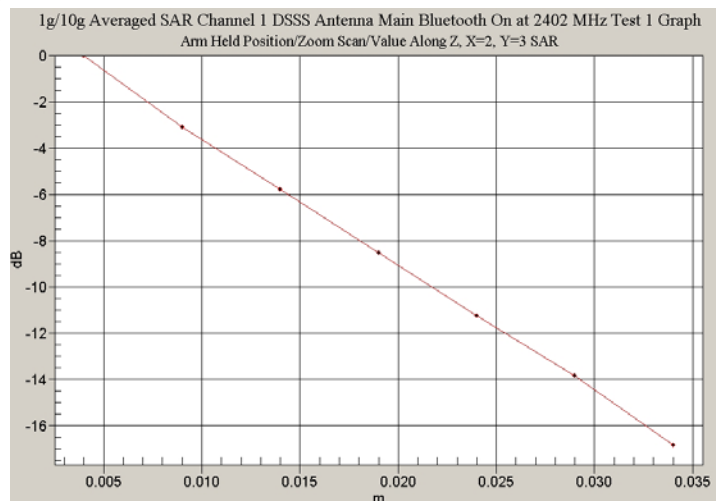
0 dB = 0.542mW/g

SAR MEASUREMENT PLOT 15

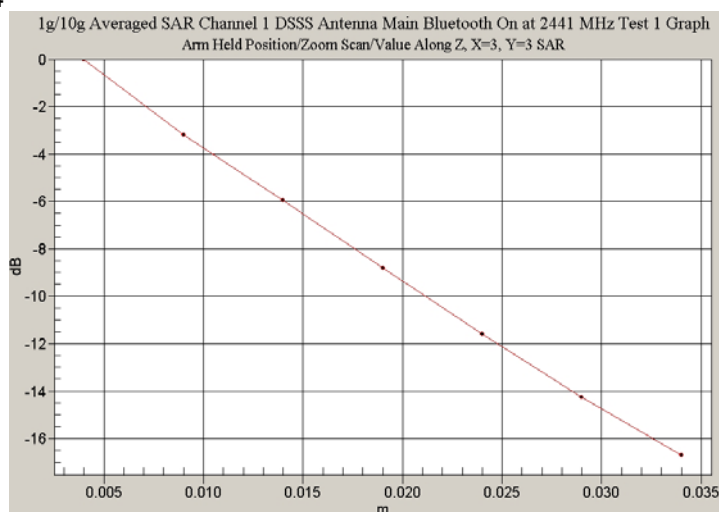
Ambient Temperature
Liquid Temperature
Humidity

20.5 Degrees Celsius
19.8 Degrees Celsius
42 %

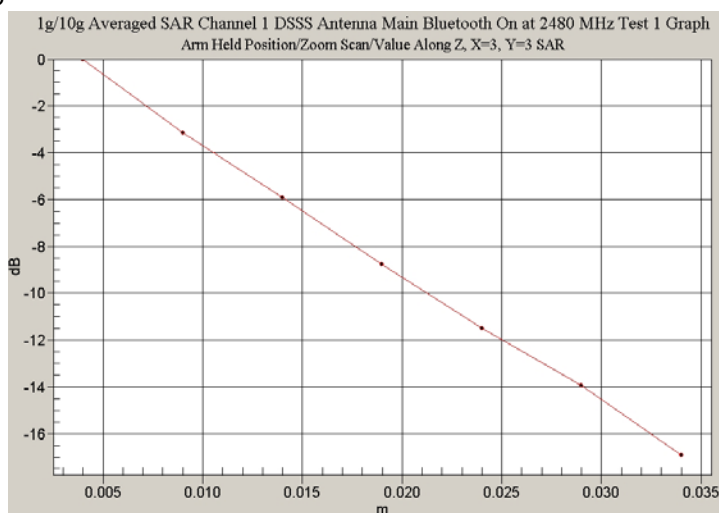
Z-Axis scan for plot 13



Z-Axis scan for plot 14



Z-Axis scan for plot 15



Test Date: 29 July 2004

File Name: [Arm Held OFDM 2450 MHz Soriel Antenna Main Bluetooth Off 29-07-04.da4](#)

DUT: Fujitsu Tablet Soriel with Calexico 11bg and Bluetooth; Type: 2200 BG; Serial: 0055F6463ADC55373203

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

* Medium parameters used: $\sigma = 1.9691$; mho/m, $\epsilon_r = 50.36$; $\rho = 1000 \text{ kg/m}^3$

- 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 (81x101x1): Measurement grid: dx=15mm, dy=15mm

Reference Value = 8.96 V/m; Power Drift = 0.008 dB

Maximum value of SAR (interpolated) = 0.230 mW/g

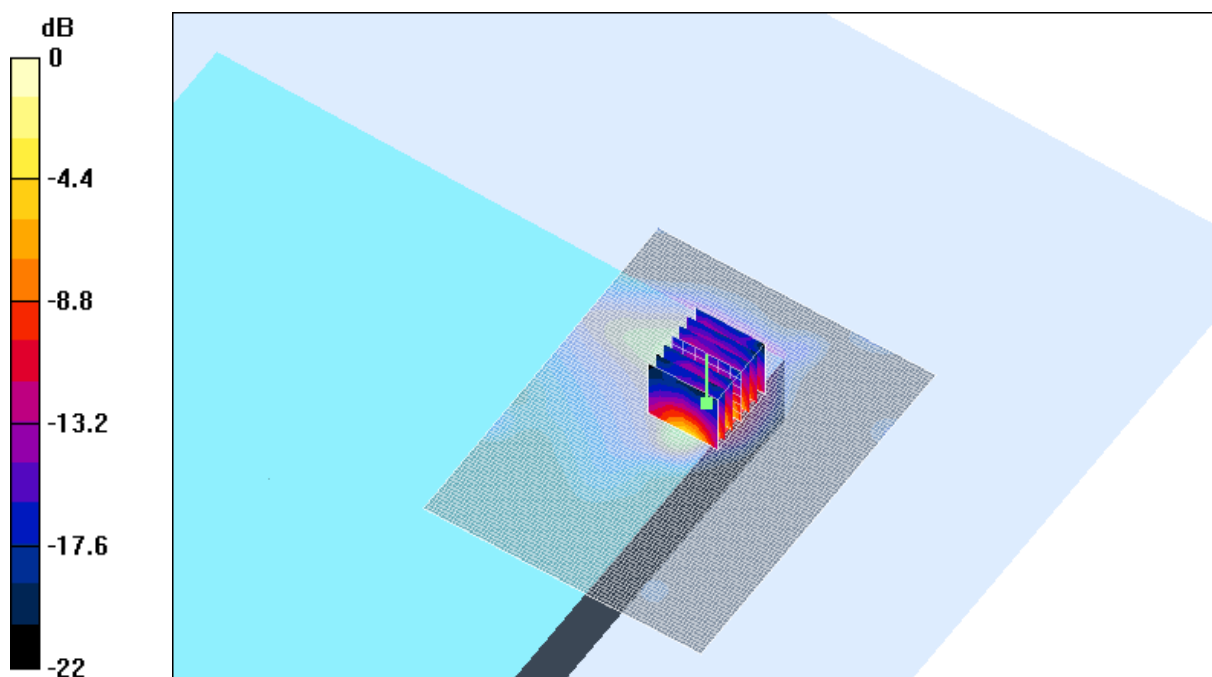
Channel 6 Test/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 8.96 V/m; Power Drift = 0.008 dB

Maximum value of SAR (measured) = 0.207 mW/g

Peak SAR (extrapolated) = 0.439 W/kg

SAR(1 g) = 0.179 mW/g; SAR(10 g) = 0.076 mW/g



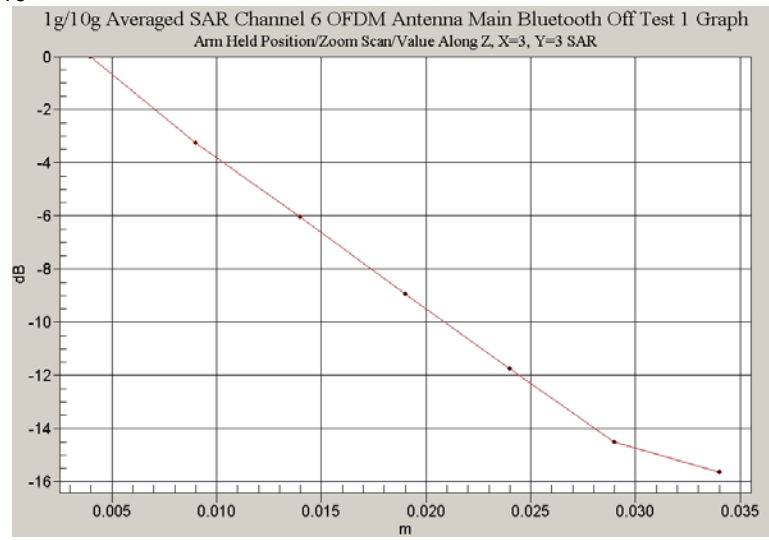
0 dB = 0.207mW/g

SAR MEASUREMENT PLOT 16

Ambient Temperature
Liquid Temperature
Humidity

20.3 Degrees Celsius
19.3 Degrees Celsius
43 %

Z-Axis scan for plot 16



Test Date: 28 July 2004

File Name: [Validation 2450 MHz \(DAE442 Probe1380\) 28-07-04.da4](#)

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

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

* Medium parameters used: $\sigma = 1.81754$; mho/m, $\epsilon_r = 38.7132$; $\rho = 1000$ kg/m³

- 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 = 97.8 V/m; Power Drift = 0.1 dB

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

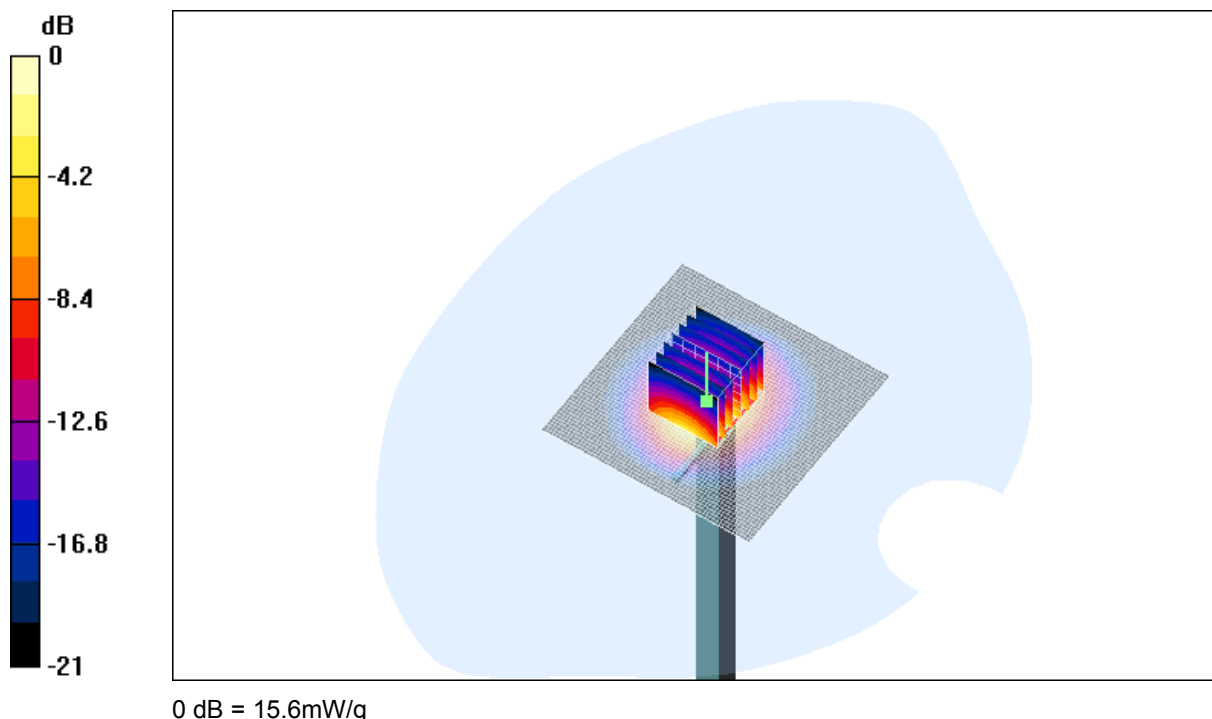
Channel 1 Test 2/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 97.8 V/m; Power Drift = 0.1 dB

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

Peak SAR (extrapolated) = 27.8 W/kg

SAR(1 g) = 13.8 mW/g; SAR(10 g) = 6.57 mW/g



SAR MEASUREMENT PLOT 17

Ambient Temperature
Liquid Temperature
Humidity

20.4 Degrees Celsius
19.4 Degrees Celsius
42 %

Test Date: 29 July 2004

File Name: [Validation 2450 MHz \(DAE442 Probe1380\) 29-07-04.da4](#)

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

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

* Medium parameters used: $\sigma = 1.82546$; mho/m, $\epsilon_r = 38.5217$; $\rho = 1000 \text{ kg/m}^3$

- 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 = 98.4 V/m; Power Drift = 0.009 dB

Maximum value of SAR (interpolated) = 15.3 mW/g

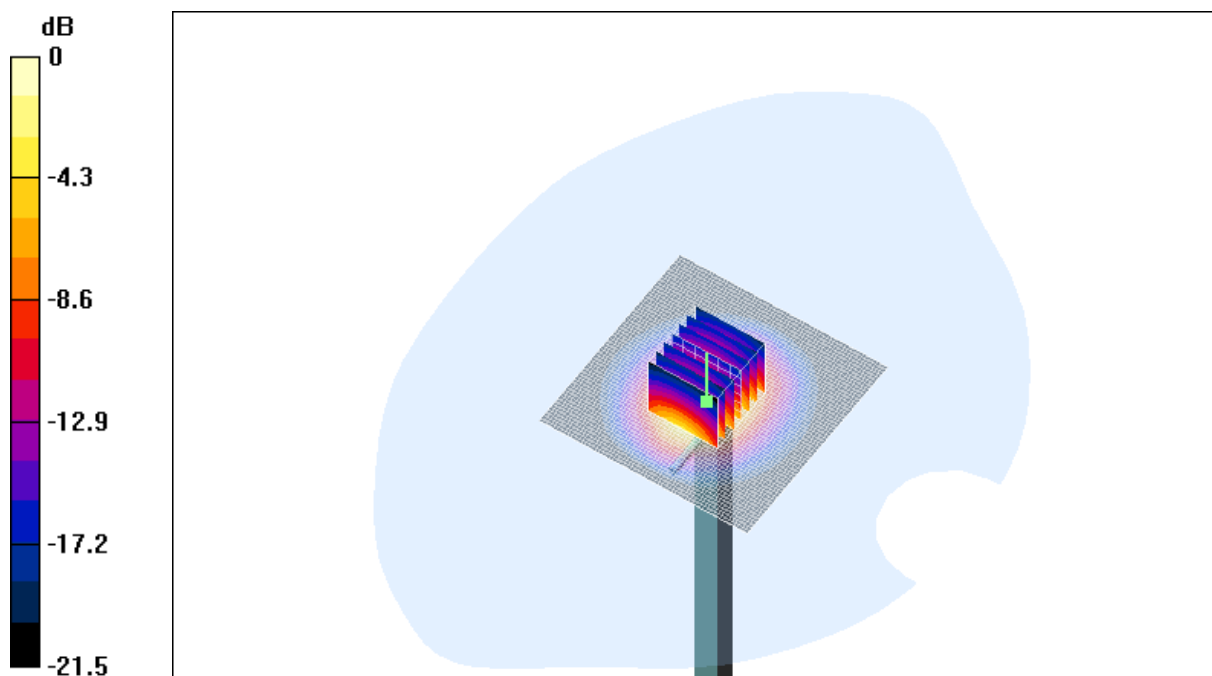
Channel 1 Test/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 98.4 V/m; Power Drift = 0.009 dB

Maximum value of SAR (measured) = 14.7 mW/g

Peak SAR (extrapolated) = 25.6 W/kg

SAR(1 g) = 13.1 mW/g; SAR(10 g) = 6.29 mW/g



SAR MEASUREMENT PLOT 18

Ambient Temperature
Liquid Temperature
Humidity

20.3 Degrees Celsius
19.3 Degrees Celsius
43 %

Test Date: 30 July 2004

File Name: [Validation 2450 MHz \(DAE442 Probe1380\) 30-07-04.da4](#)

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

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

* Medium parameters used: $\sigma = 1.83385$; mho/m, $\epsilon_r = 38.6034$; $\rho = 1000$ kg/m³

- 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 = 97.8 V/m; Power Drift = 0.0 dB

Maximum value of SAR (interpolated) = 15.7 mW/g

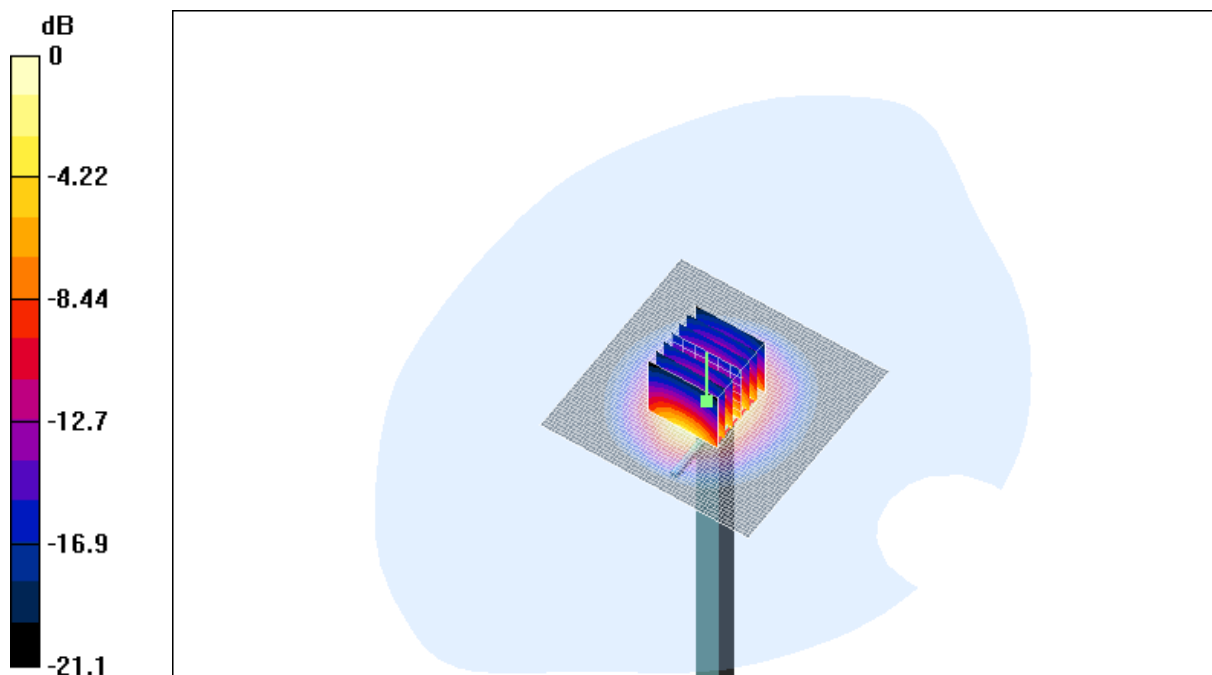
Channel 1 Test 2/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 97.8 V/m; Power Drift = 0.0 dB

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

Peak SAR (extrapolated) = 27.3 W/kg

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



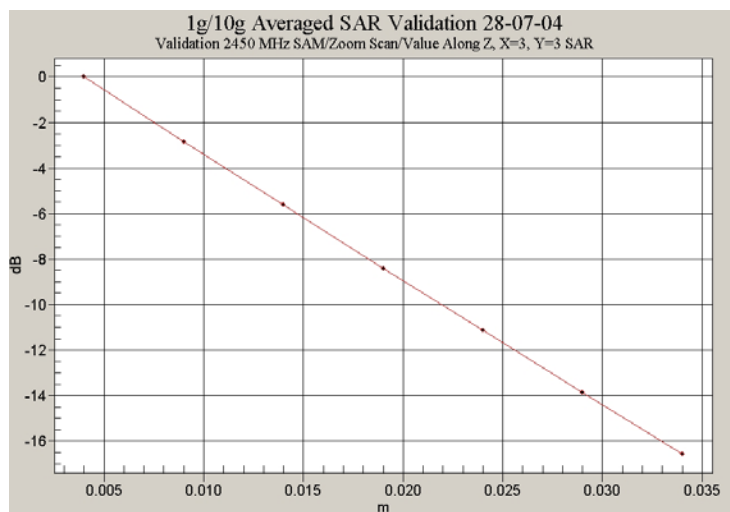
0 dB = 15.4mW/g

SAR MEASUREMENT PLOT 19

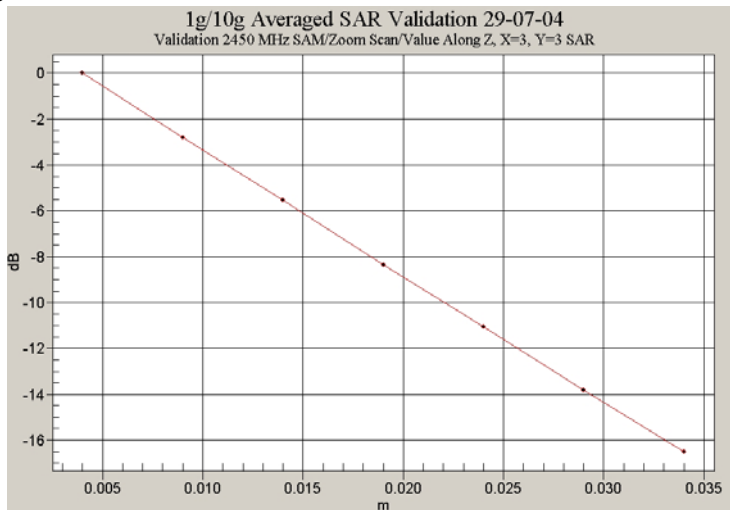
Ambient Temperature
Liquid Temperature
Humidity

20.5 Degrees Celsius
19.8 Degrees Celsius
42 %

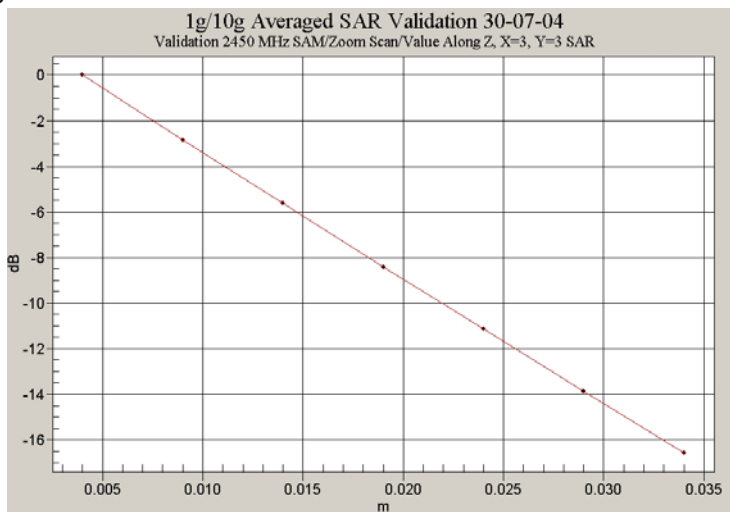
Z-Axis scan for plot 17



Z-Axis scan for plot 18



Z-Axis scan for plot 19



APPENDIX C

SAR TESTING EQUIPMENT CALIBRATION CERTIFICATE ATTACHMENTS

Calibration Certificate Attachments

- | | |
|--|---------|
| 1. 2.45GHz E-Field Probe Calibration Sheet | 8 Pages |
| 2. 2450MHz Dipole Calibration Sheet | 6 pages |