

APPENDIX B PLOTS OF THE SAR MEASUREMENTS

Plots of the measured SAR distributions inside the phantom are given in this Appendix for all tested configurations.

Table 21 2450 MHz DSSS Band SAR Measurement Plot Numbers

Test Position	Plot No.	Bit rate Mode (Mbps)	Channel Bandwidth (MHz)	Test Channel
Lap Held	1	1	-	01
	2			06
	3			011
Secondary Landscape	4	1	-	01
	5			06
	6			11

Table 22 2450MHz System verification Plot

Plot 7	System verification 2450 MHz 5 th April 2011



Test Date: 5 April 2011

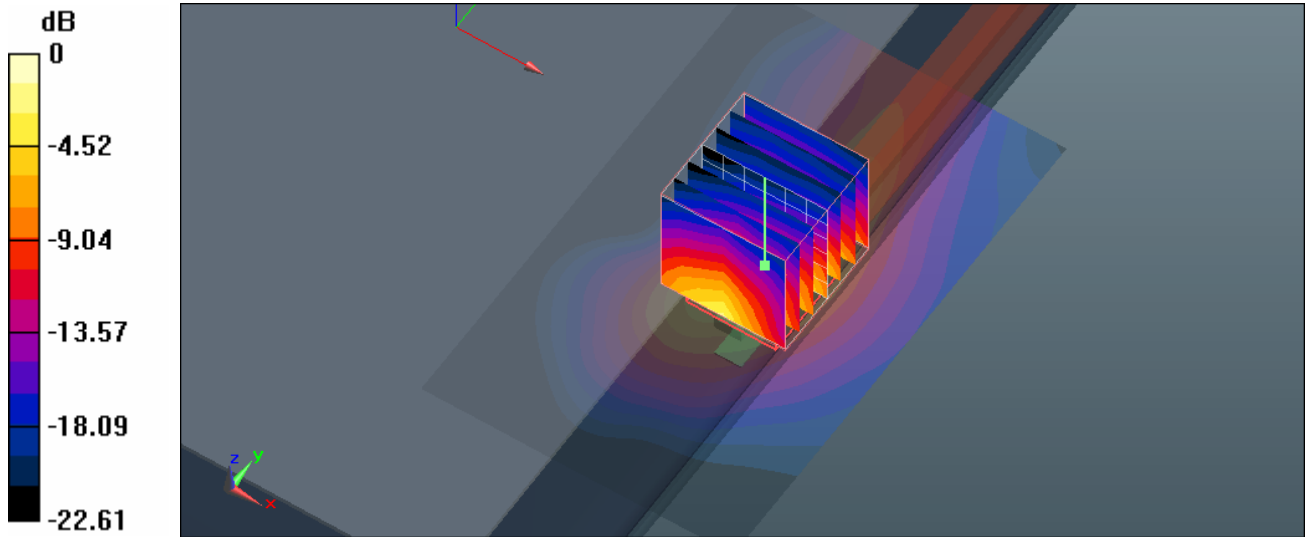
File Name: M110325_Lap Held DSSS 2.4 GHz 05-04-11.da52:0

DUT: Fujitsu Tablet Cider with Ralink 11abgn; Type: WLU5110-D50; Serial: 0026B6DA56D4

- * Communication System: DSSS 2450 MHz 1Mbps; Frequency: 2412 MHz; Duty Cycle: 1:1.53886
- * Medium parameters used: $f = 2412$ MHz; $\sigma = 1.887$ mho/m; $\epsilon_r = 51.735$; $\rho = 1000$ kg/m³
- Electronics: DAE3 Sn442; Probe: ET3DV6 - SN1380; ConvF(4.09, 4.09, 4.09)
- Phantom: Flat Phantom 10.1; Serial: P 10.1; Phantom section: Flat 2.2 Section

Configuration/Channel 1 Test/Area Scan (51x81x1): Measurement grid: dx=15mm, dy=15mm
 Maximum value of SAR (interpolated) = 0.846 mW/g

Configuration/Channel 1 Test/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
 Reference Value = 22.035 V/m; Power Drift = 0.27 dB
 Peak SAR (extrapolated) = 2.787 W/kg
SAR(1 g) = 0.815 mW/g; SAR(10 g) = 0.313 mW/g
 Maximum value of SAR (measured) = 0.920 mW/g



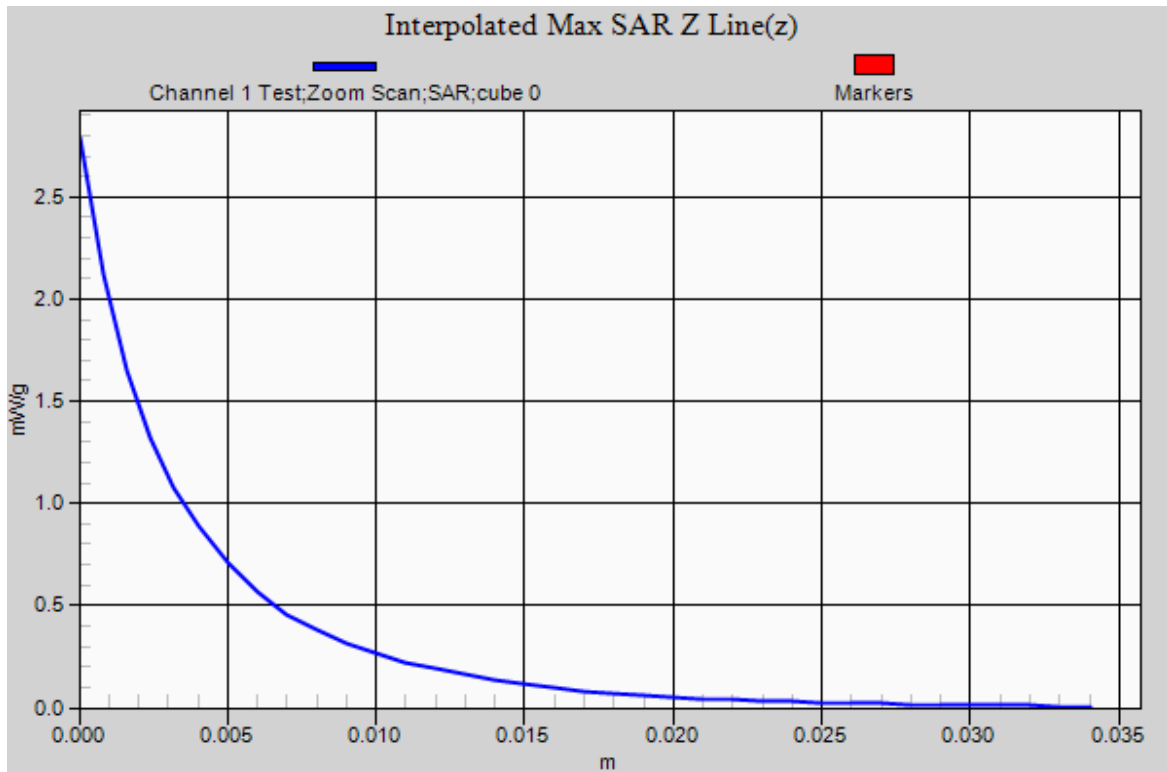
0 dB = 0.920mW/g

SAR MEASUREMENT PLOT 1

Ambient Temperature
 Liquid Temperature
 Humidity

20.8 Degrees Celsius
 20.5 Degrees Celsius
 52.0 %





Test Date: 5 April 2011

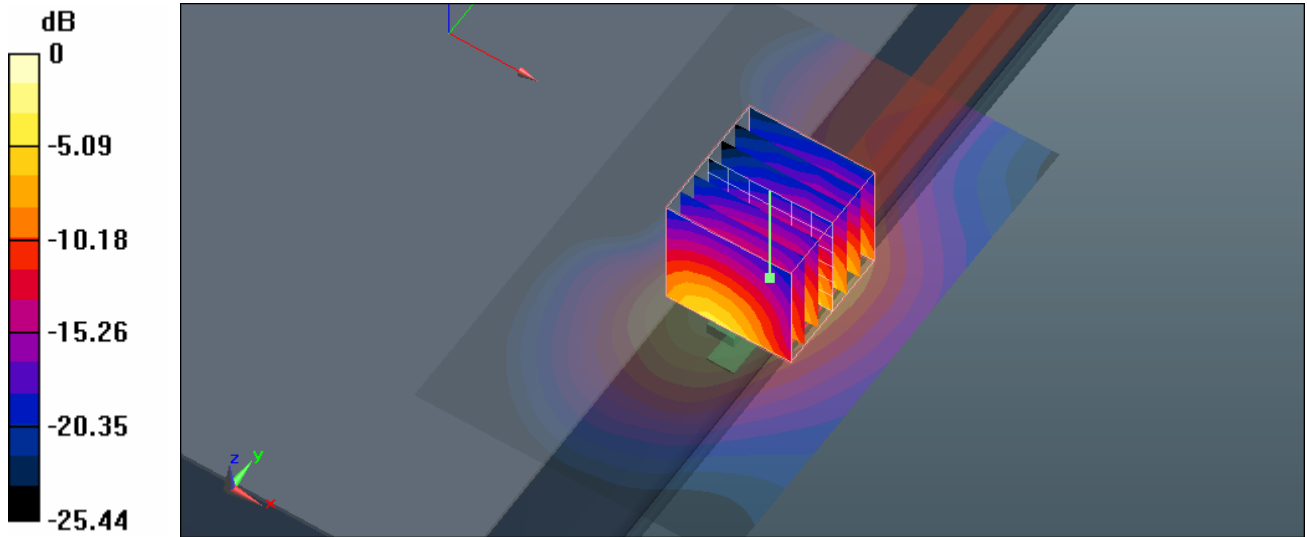
File Name: M110325_Lap Held -1 dB DSSS 2.4 GHz 05-04-11.da52:0

DUT: Fujitsu Tablet Cider with Ralink 11abgn; Type: WLU5110-D50; Serial: 0026B6DA56D4

- * Communication System: DSSS 2450 MHz 1Mbps; Frequency: 2437 MHz; Duty Cycle: 1:1.53886
- * Medium parameters used: $f = 2436$ MHz; $\sigma = 1.918$ mho/m; $\epsilon_r = 51.606$; $\rho = 1000$ kg/m³
- Electronics: DAE3 Sn442; Probe: ET3DV6 - SN1380; ConvF(4.09, 4.09, 4.09)
- Phantom: Flat Phantom 10.1; Serial: P 10.1; Phantom section: Flat 2.2 Section

Configuration/Channel 6 Test/Area Scan (51x81x1): Measurement grid: dx=15mm, dy=15mm
 Maximum value of SAR (interpolated) = 1.229 mW/g

Configuration/Channel 6 Test/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
 Reference Value = 22.769 V/m; Power Drift = 0.31 dB
 Peak SAR (extrapolated) = 2.798 W/kg
SAR(1 g) = 0.864 mW/g; SAR(10 g) = 0.330 mW/g
 Maximum value of SAR (measured) = 0.993 mW/g



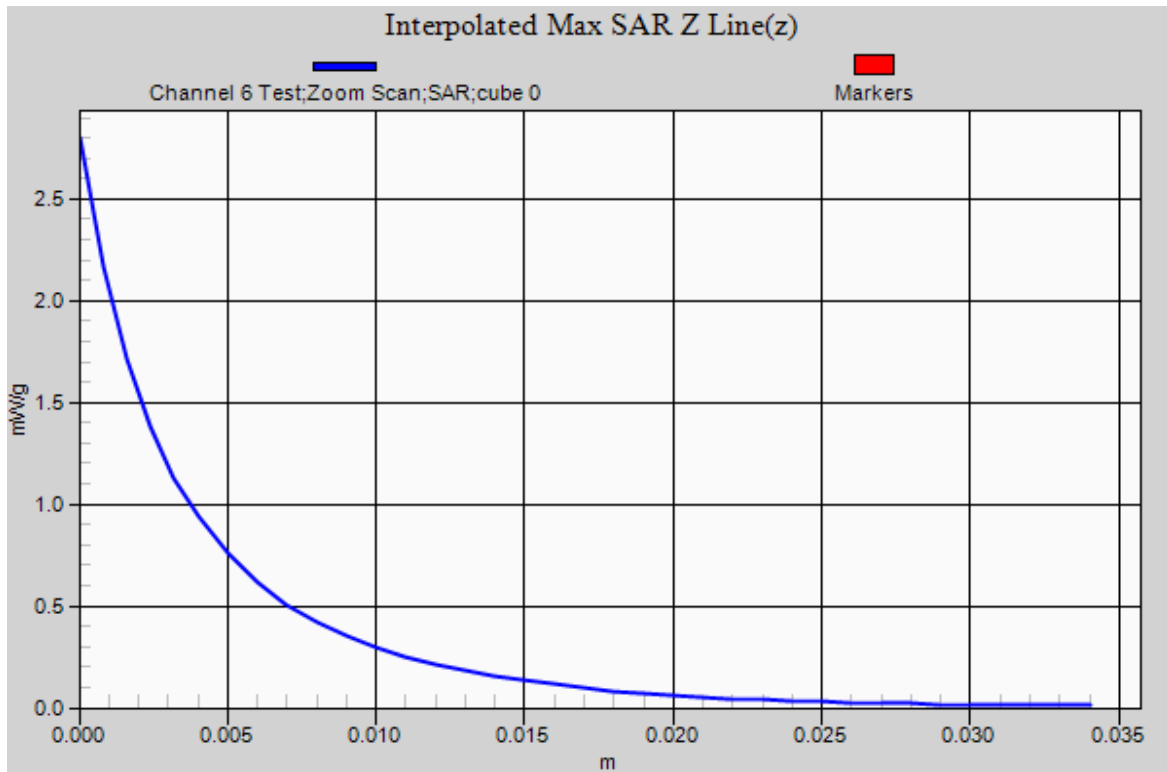
0 dB = 0.990mW/g

SAR MEASUREMENT PLOT 2

Ambient Temperature
 Liquid Temperature
 Humidity

20.8 Degrees Celsius
 20.5 Degrees Celsius
 52.0 %





Test Date: 5 April 2011

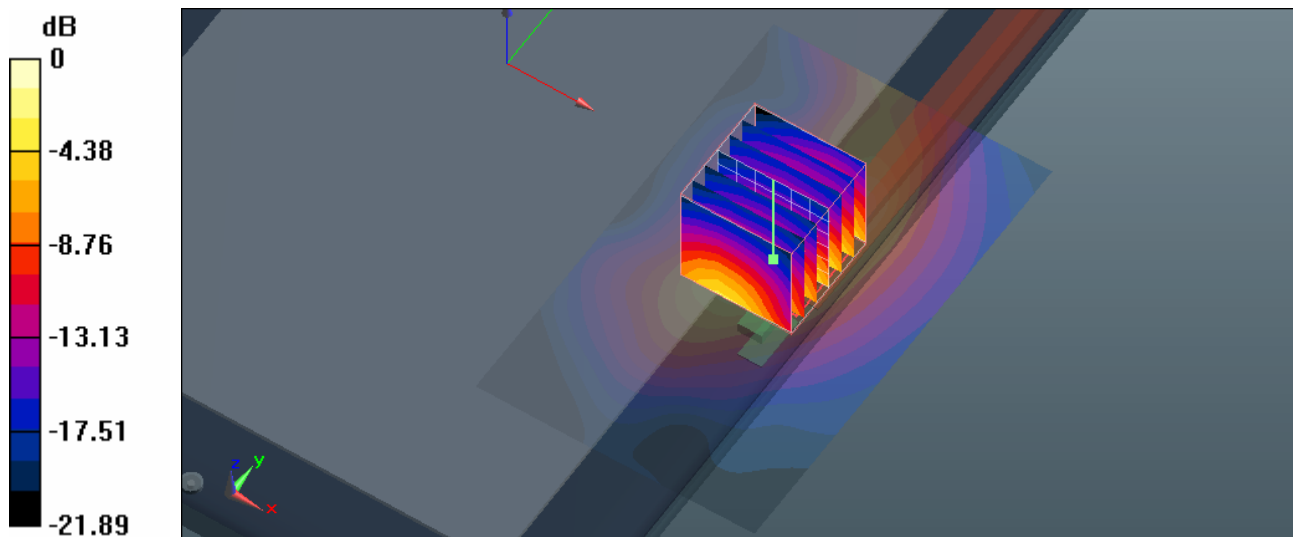
File Name: M110325_Lap Held -2 dB DSSS 2.4 GHz 05-04-11.da52:0

DUT: **Fujitsu Tablet Cider with Ralink 11abgn; Type: WLU5110-D50; Serial: 0026B6DA56D4**

- * Communication System: DSSS 2450 MHz 1Mbps; Frequency: 2462 MHz; Duty Cycle: 1:1.53886
- * Medium parameters used: $f = 2462$ MHz; $\sigma = 1.955$ mho/m; $\epsilon_r = 51.428$; $\rho = 1000$ kg/m³
- Electronics: DAE3 Sn442; Probe: ET3DV6 - SN1380; ConvF(4.09, 4.09, 4.09)
- Phantom: Flat Phantom 10.1; Serial: P 10.1; Phantom section: Flat 2.2 Section

Configuration/Channel 11 Test/Area Scan (51x81x1): Measurement grid: dx=15mm, dy=15mm
 Maximum value of SAR (interpolated) = 0.568 mW/g

Configuration/Channel 11 Test/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
 Reference Value = 17.310 V/m; Power Drift = -0.14 dB
 Peak SAR (extrapolated) = 1.502 W/kg
SAR(1 g) = 0.499 mW/g; SAR(10 g) = 0.215 mW/g
 Maximum value of SAR (measured) = 0.557 mW/g



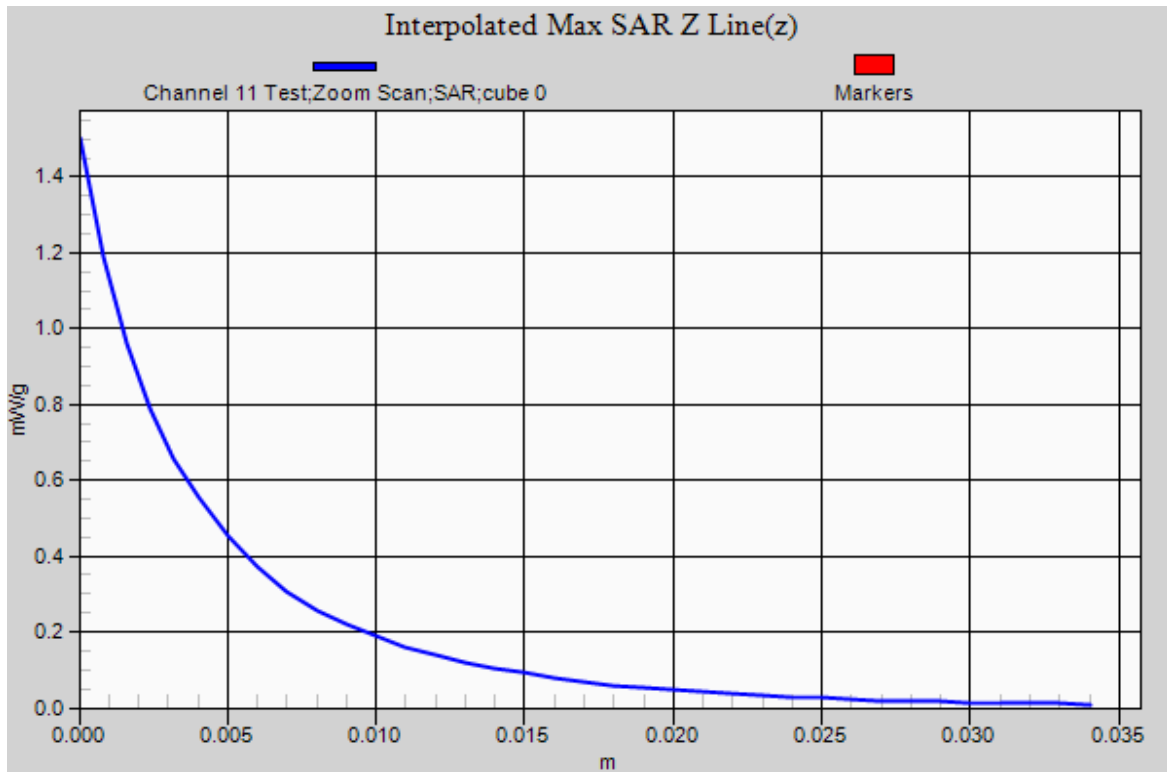
0 dB = 0.560mW/g

SAR MEASUREMENT PLOT 3

Ambient Temperature
 Liquid Temperature
 Humidity

20.8 Degrees Celsius
 20.5 Degrees Celsius
 52.0 %





Test Date: 5 April 2011

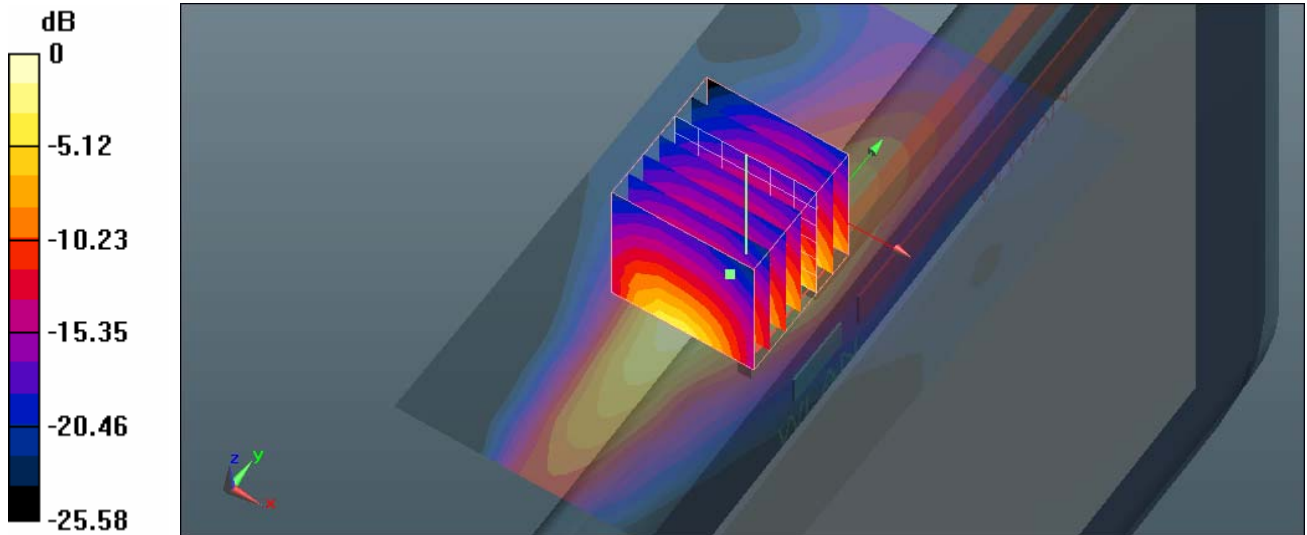
File Name: M110325 Secondary Landscape -2 dB DSSS 2.4 GHz 05-04-11.da52:0

DUT: Fujitsu Tablet Cider with Ralink 11abgn; Type: WLU5110-D50; Serial: 0026B6DA56D4

- * Communication System: DSSS 2450 MHz 1Mbps; Frequency: 2412 MHz; Duty Cycle: 1:1.53886
- * Medium parameters used: $f = 2412$ MHz; $\sigma = 1.887$ mho/m; $\epsilon_r = 51.735$; $\rho = 1000$ kg/m³
- Electronics: DAE3 Sn442; Probe: ET3DV6 - SN1380; ConvF(4.09, 4.09, 4.09)
- Phantom: Flat Phantom 10.1; Serial: P 10.1; Phantom section: Flat 2.2 Section

Configuration/Channel 1 Test/Area Scan (51x81x1): Measurement grid: dx=15mm, dy=15mm
 Maximum value of SAR (interpolated) = 0.778 mW/g

Configuration/Channel 1 Test/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
 Reference Value = 18.085 V/m; Power Drift = -0.36 dB
 Peak SAR (extrapolated) = 1.658 W/kg
SAR(1 g) = 0.545 mW/g; SAR(10 g) = 0.213 mW/g
 Maximum value of SAR (measured) = 0.648 mW/g



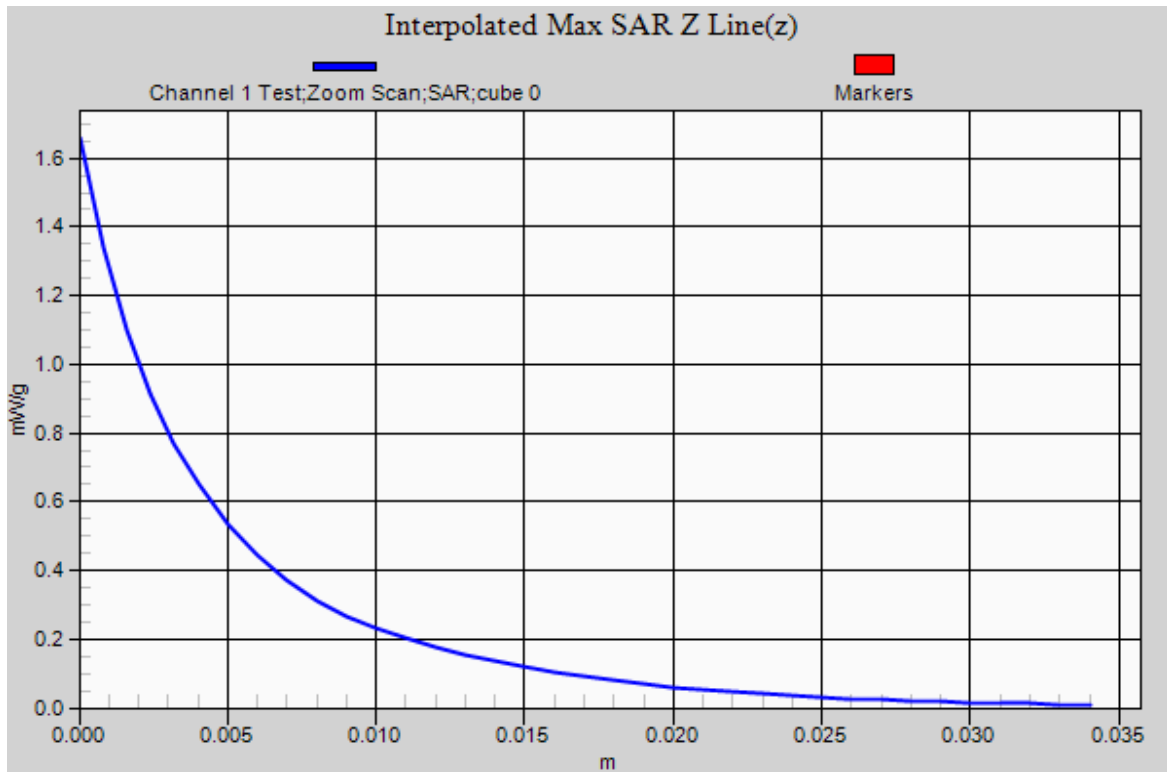
0 dB = 0.650mW/g

SAR MEASUREMENT PLOT 4

Ambient Temperature
 Liquid Temperature
 Humidity

20.8 Degrees Celsius
 20.5 Degrees Celsius
 52.0 %





Test Date: 5 April 2011

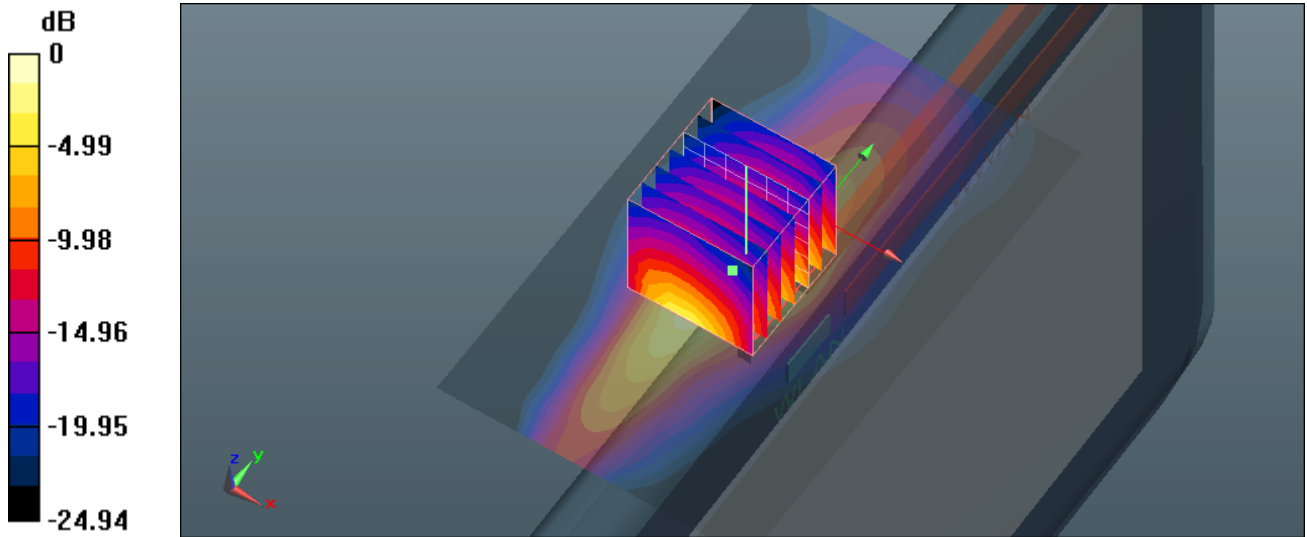
File Name: M110325 Secondary Landscape -2 dB DSSS 2.4 GHz 05-04-11.da52:0

DUT: **Fujitsu Tablet Cider with Ralink 11abgn; Type: WLU5110-D50; Serial: 0026B6DA56D4**

- * Communication System: DSSS 2450 MHz 1Mbps; Frequency: 2437 MHz; Duty Cycle: 1:1.53886
- * Medium parameters used: $f = 2436$ MHz; $\sigma = 1.918$ mho/m; $\epsilon_r = 51.606$; $\rho = 1000$ kg/m³
- Electronics: DAE3 Sn442; Probe: ET3DV6 - SN1380; ConvF(4.09, 4.09, 4.09)
- Phantom: Flat Phantom 10.1; Serial: P 10.1; Phantom section: Flat 2.2 Section

Configuration/Channel 6 Test/Area Scan (51x81x1): Measurement grid: dx=15mm, dy=15mm
 Maximum value of SAR (interpolated) = 0.900 mW/g

Configuration/Channel 6 Test/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
 Reference Value = 18.487 V/m; Power Drift = -0.07 dB
 Peak SAR (extrapolated) = 2.004 W/kg
SAR(1 g) = 0.666 mW/g; SAR(10 g) = 0.264 mW/g
 Maximum value of SAR (measured) = 0.779 mW/g



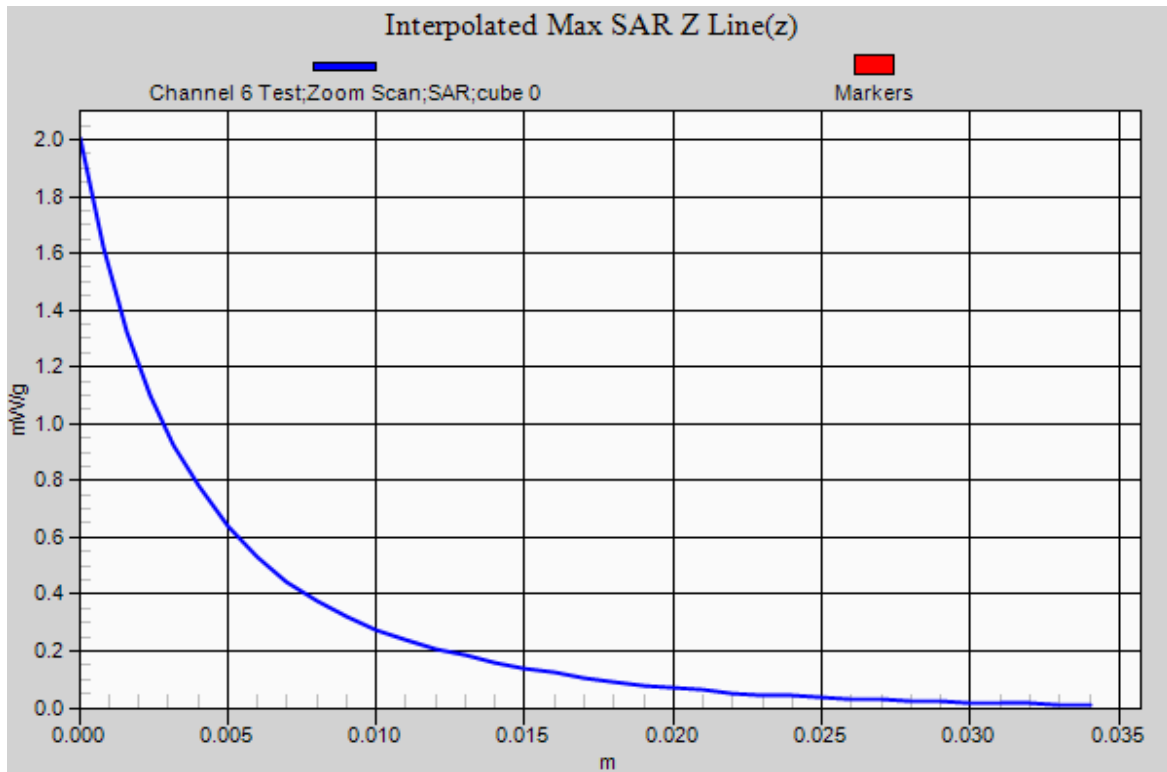
0 dB = 0.780mW/g

SAR MEASUREMENT PLOT 5

Ambient Temperature
 Liquid Temperature
 Humidity

20.8 Degrees Celsius
 20.5 Degrees Celsius
 52.0 %





Test Date: 5 April 2011

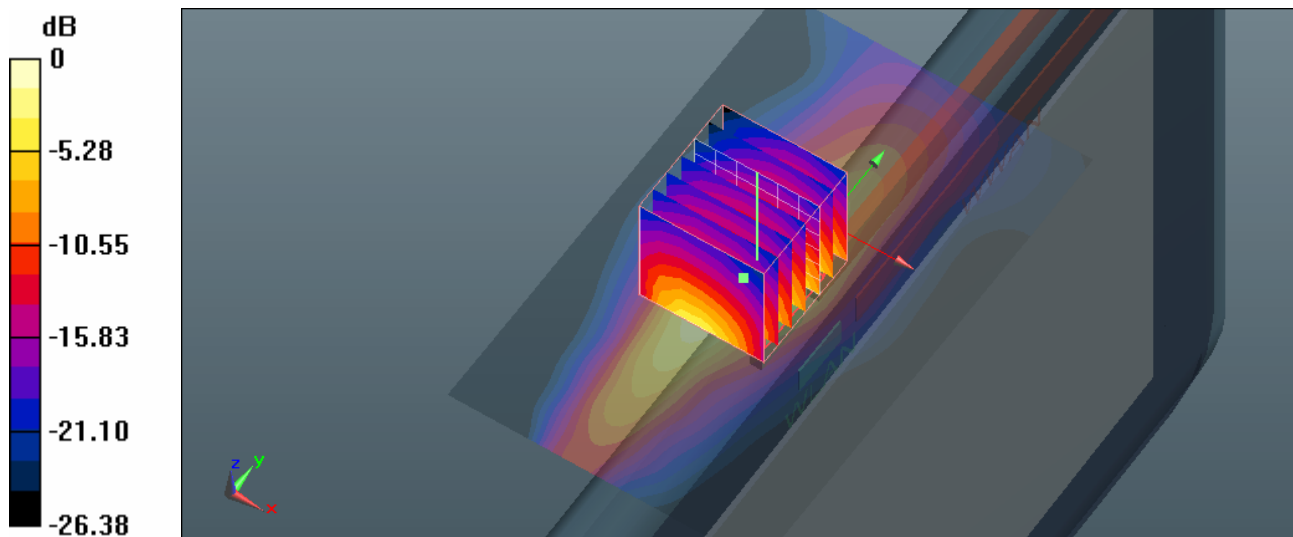
File Name: M110325 Secondary Landscape -2 dB DSSS 2.4 GHz 05-04-11.da52:0

DUT: **Fujitsu Tablet Cider with Ralink 11abgn; Type: WLU5110-D50; Serial: 0026B6DA56D4**

- * Communication System: DSSS 2450 MHz 1Mbps; Frequency: 2462 MHz; Duty Cycle: 1:1.53886
- * Medium parameters used: $f = 2462 \text{ MHz}$; $\sigma = 1.955 \text{ mho/m}$; $\epsilon_r = 51.428$; $\rho = 1000 \text{ kg/m}^3$
- Electronics: DAE3 Sn442; Probe: ET3DV6 - SN1380; ConvF(4.09, 4.09, 4.09)
- Phantom: Flat Phantom 10.1; Serial: P 10.1; Phantom section: Flat 2.2 Section

Configuration/Channel 11 Test/Area Scan (51x81x1): Measurement grid: dx=15mm, dy=15mm
 Maximum value of SAR (interpolated) = 1.200 mW/g

Configuration/Channel 11 Test/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
 Reference Value = 20.375 V/m; Power Drift = -0.01 dB
 Peak SAR (extrapolated) = 2.695 W/kg
SAR(1 g) = 0.870 mW/g; SAR(10 g) = 0.335 mW/g
 Maximum value of SAR (measured) = 1.012 mW/g



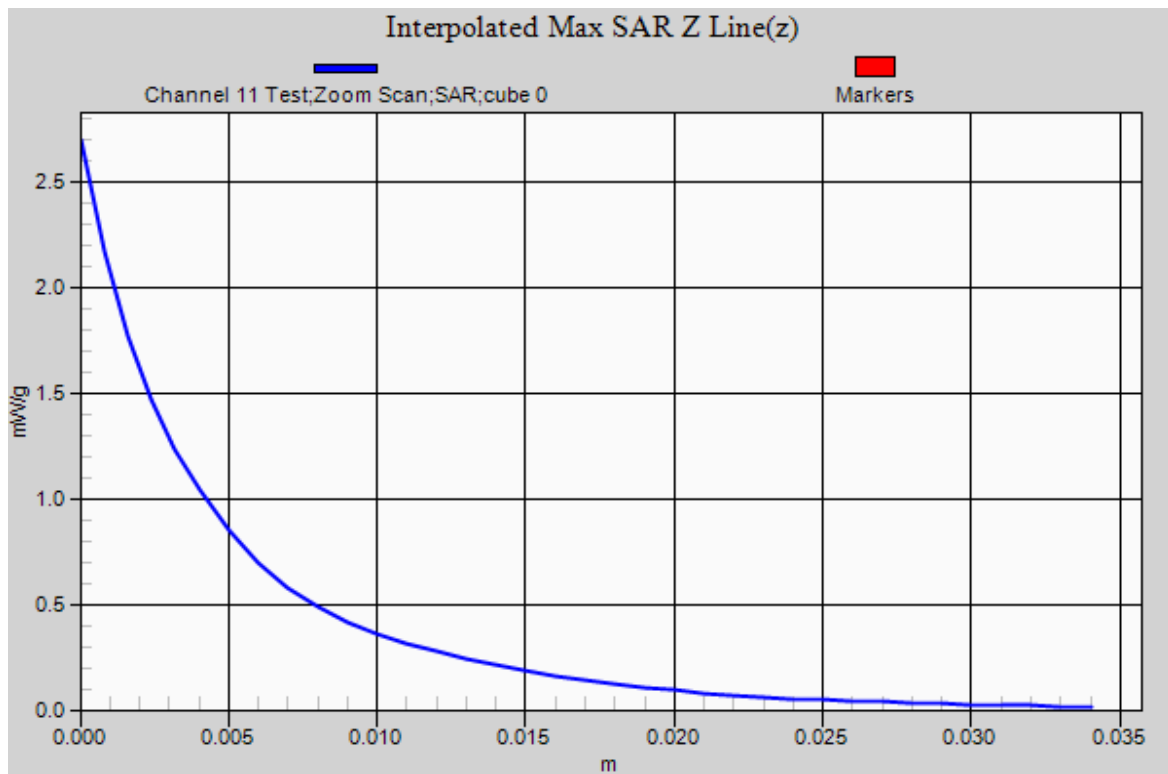
0 dB = 1.010mW/g

SAR MEASUREMENT PLOT 6

Ambient Temperature
 Liquid Temperature
 Humidity

20.8 Degrees Celsius
 20.5 Degrees Celsius
 52.0 %





Test Date: 5 April 2011

File Name: System Check 2450 MHz 05-04-11.da52:0

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

- * Communication System: CW; Frequency: 2450 MHz; Duty Cycle: 1:1
- * Medium parameters used: $f = 2450$ MHz; $\sigma = 1.939$ mho/m; $\epsilon_r = 51.512$; $\rho = 1000$ kg/m³
- Electronics: DAE3 Sn442; Probe: ET3DV6 - SN1380; ConvF(4.09, 4.09, 4.09)
- Phantom: Flat Phantom 10.1; Serial: P 10.1; Phantom section: Flat 2.2 Section

Configuration/Channel 1 Test/Area Scan (51x51x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 17.558 mW/g

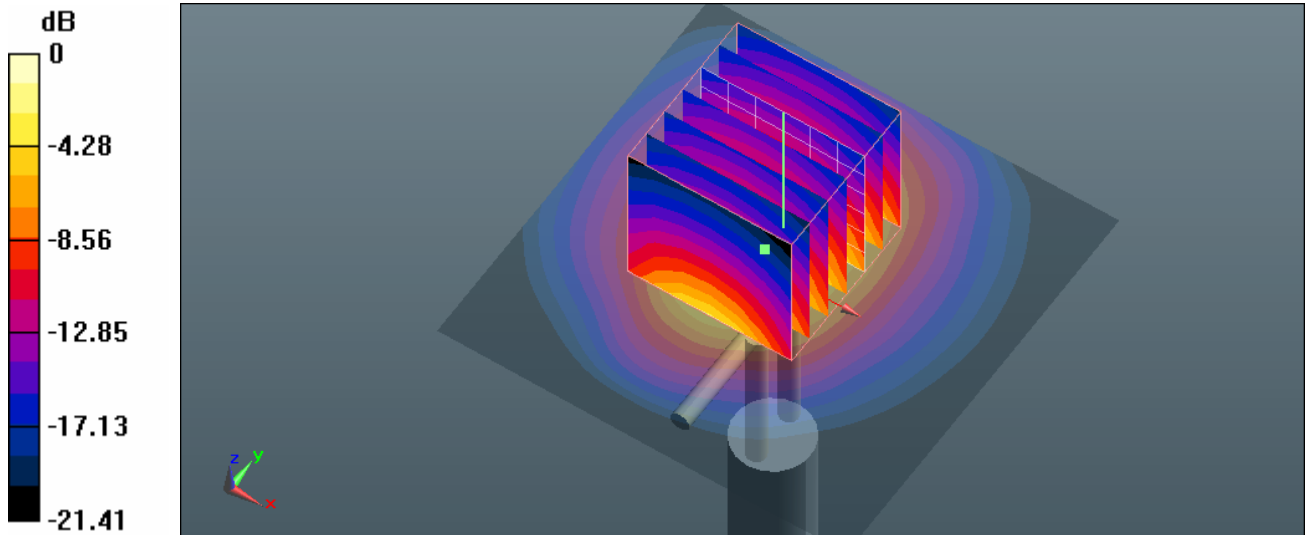
Configuration/Channel 1 Test/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 92.676 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 32.599 W/kg

SAR(1 g) = 14.7 mW/g; SAR(10 g) = 6.95 mW/g

Maximum value of SAR (measured) = 16.208 mW/g



0 dB = 16.210mW/g

SAR MEASUREMENT PLOT 7

Ambient Temperature
Liquid Temperature
Humidity

20.8 Degrees Celsius
20.5 Degrees Celsius
52.0 %



