

## 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.	Ant	Bit rate Mode (Mbps)	Channel Bandwidth (MHz)	Test Channel
Lap Held	1	A	6	-	06
Edge On Secondary Landscape	2	A	6	-	06
	3	B	6	-	06
	4	B	6	-	02
	5	B	6	-	10
Edge On Primary Portrait	6	A	6	-	06
	7	B	6	-	06

**Table 22 2450MHz System verification Plot**

Plot 8	System Verification 2450 MHz 12 <sup>th</sup> June 2012



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Test Date: 12 June 2012

File Name: M120603\_Lap Held OFDM 2450 MHz Antenna A (1) 12-06-12.da52:0

**DUT: Fujitsu Tablet Tercel with Taylor 11abgn and Bluetooth; Type: 62205ANHMW; Serial: WFM: 001500647600**

\* Communication System: OFDM 2450 MHz 6 Mbs; Frequency: 2437 MHz; Duty Cycle: 1:12.9778

\* Medium parameters used:  $f = 2436$  MHz;  $\sigma = 1.943$  mho/m;  $\epsilon_r = 53.091$ ;  $\rho = 1000$  kg/m<sup>3</sup>

- Electronics: DAE3 Sn442; Probe: ET3DV6 - SN1380; ConvF(4.15, 4.15, 4.15); Calibrated: 12/12/2011

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

**Configuration/Channel 6 Test/Area Scan (71x81x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.0774 mW/g

**Configuration/Channel 6 Test/Zoom Scan (7x7x7)/Cube 0:** Measurement grid:

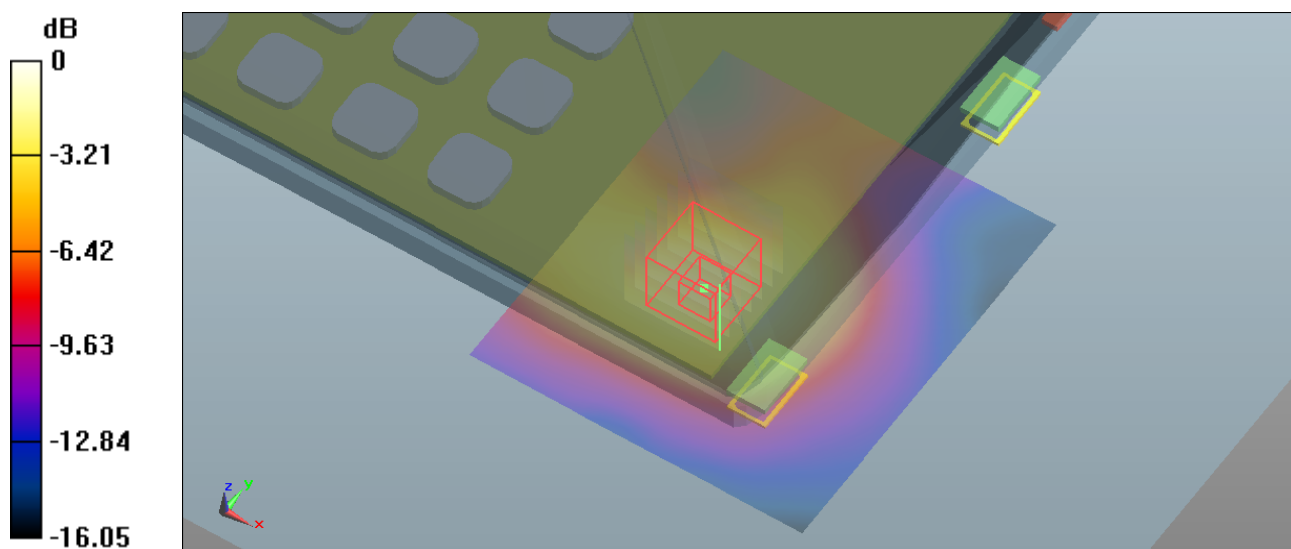
dx=5mm, dy=5mm, dz=5mm

Reference Value = 5.011 V/m; Power Drift = 0.11 dB

Peak SAR (extrapolated) = 0.158 mW/g

**SAR(1 g) = 0.071 mW/g; SAR(10 g) = 0.040 mW/g**

Maximum value of SAR (measured) = 0.0750 mW/g



0 dB = 0.0774 mW/g = -22.23 dB mW/g

**SAR MEASUREMENT PLOT 1**

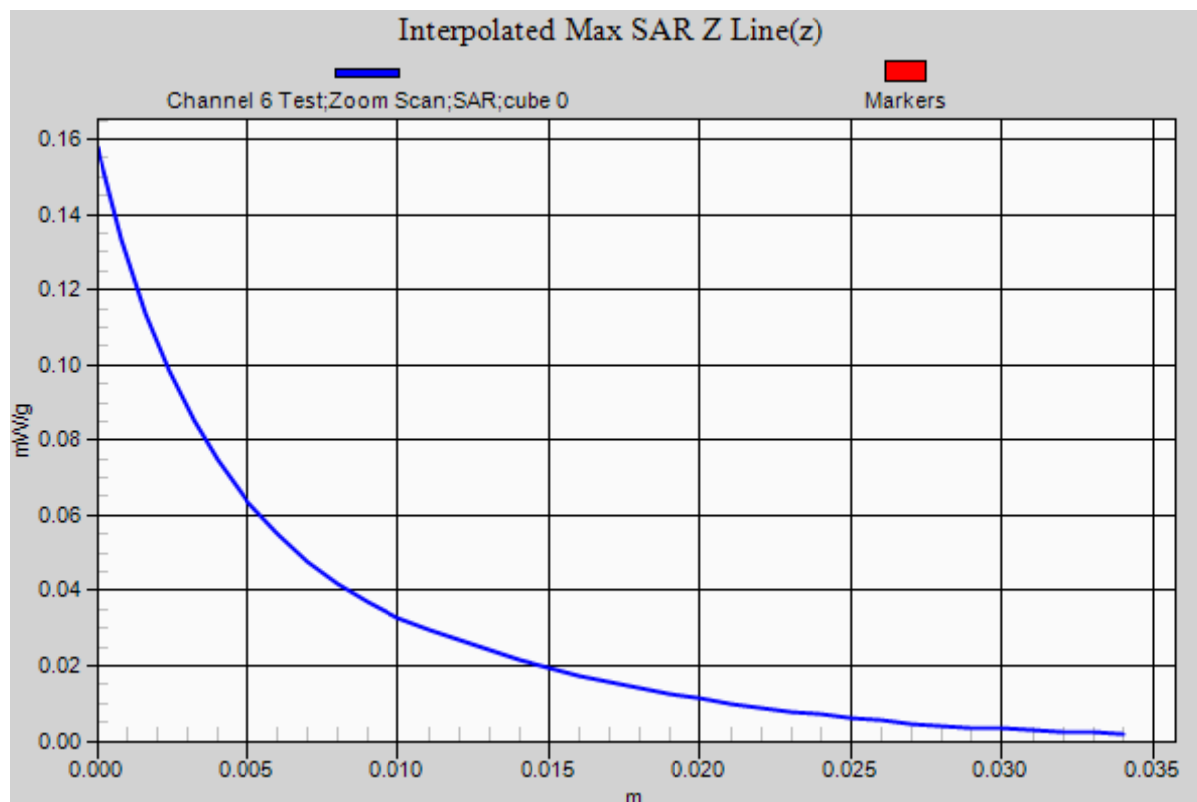
Ambient Temperature  
Liquid Temperature  
Humidity

20.9 Degrees Celsius  
20.5 Degrees Celsius  
39.0%



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Test Date: 12 June 2012

File Name: M120603 Edge On Secondary Landscape OFDM 2450 MHz Antenna A (1) 12-06-12.da52:0

**DUT: Fujitsu Tablet Tercel with Taylor Peak 11abgn and Bluetooth; Type: 62205ANHMMW; Serial: WFM: 001500647600**

\* Communication System: OFDM 2450 MHz 6 Mbs; Frequency: 2437 MHz; Duty Cycle: 1:12.9778

\* Medium parameters used:  $f = 2436$  MHz;  $\sigma = 1.943$  mho/m;  $\epsilon_r = 53.091$ ;  $\rho = 1000$  kg/m<sup>3</sup>

- Electronics: DAE3 Sn442; Probe: ET3DV6 - SN1380; ConvF(4.15, 4.15, 4.15); Calibrated: 12/12/2011

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

**Configuration/Channel 6 Test/Area Scan (71x81x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.192 mW/g

**Configuration/Channel 6 Test/Zoom Scan (7x7x7)/Cube 0:** Measurement grid:

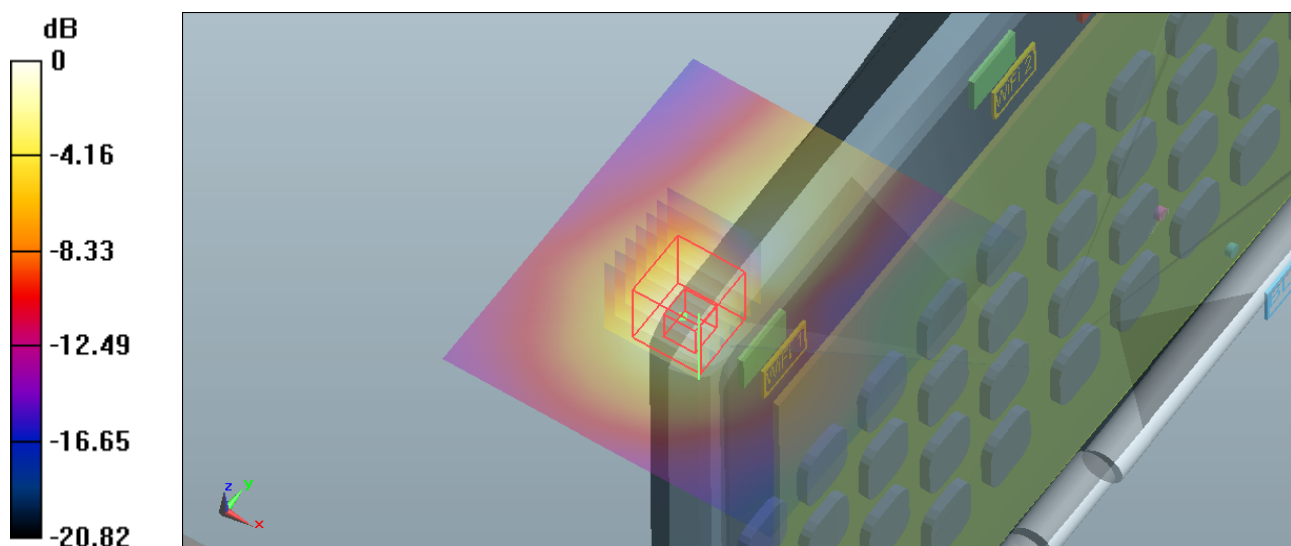
dx=5mm, dy=5mm, dz=5mm

Reference Value = 8.597 V/m; Power Drift = -0.11 dB

Peak SAR (extrapolated) = 0.395 mW/g

**SAR(1 g) = 0.182 mW/g; SAR(10 g) = 0.091 mW/g**

Maximum value of SAR (measured) = 0.199 mW/g



0 dB = 0.192 mW/g = -14.33 dB mW/g

**SAR MEASUREMENT PLOT 2**

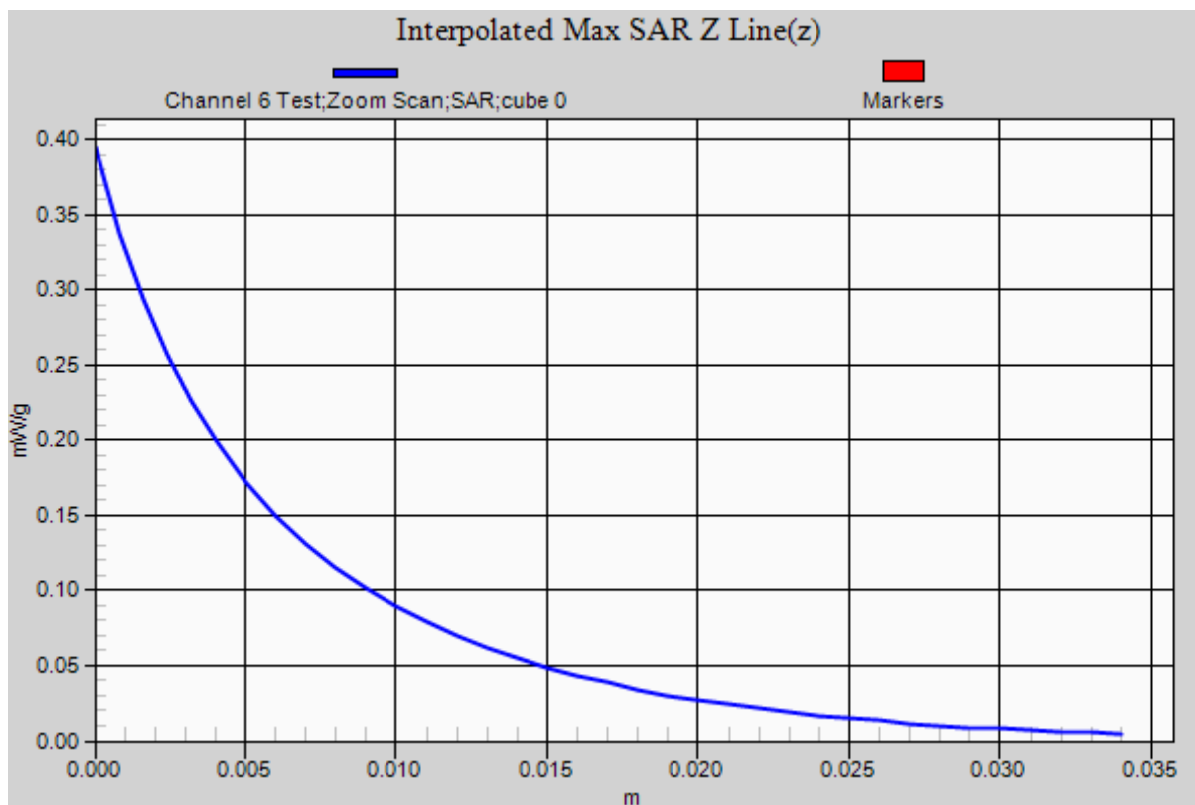
Ambient Temperature  
Liquid Temperature  
Humidity

20.9 Degrees Celsius  
20.5 Degrees Celsius  
39.0%



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Test Date: 12 June 2012

File Name: M120603 Edge On Secondary Landscape OFDM 2450 MHz Antenna B (2) 12-06-12.da52:0

**DUT: Fujitsu Tablet Tercel with Taylor Peak 11abgn and Bluetooth; Type: 62205ANHMMW; Serial: WFM: 001500647600**

\* Communication System: OFDM 2450 MHz 6 Mbs; Frequency: 2437 MHz; Duty Cycle: 1:12.9778

\* Medium parameters used:  $f = 2436$  MHz;  $\sigma = 1.943$  mho/m;  $\epsilon_r = 53.091$ ;  $\rho = 1000$  kg/m<sup>3</sup>

- Electronics: DAE3 Sn442; Probe: ET3DV6 - SN1380; ConvF(4.15, 4.15, 4.15); Calibrated: 12/12/2011

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

**Configuration/Channel 6 Test/Area Scan (71x81x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.184 mW/g

**Configuration/Channel 6 Test/Zoom Scan (7x8x7)/Cube 0:** Measurement grid:

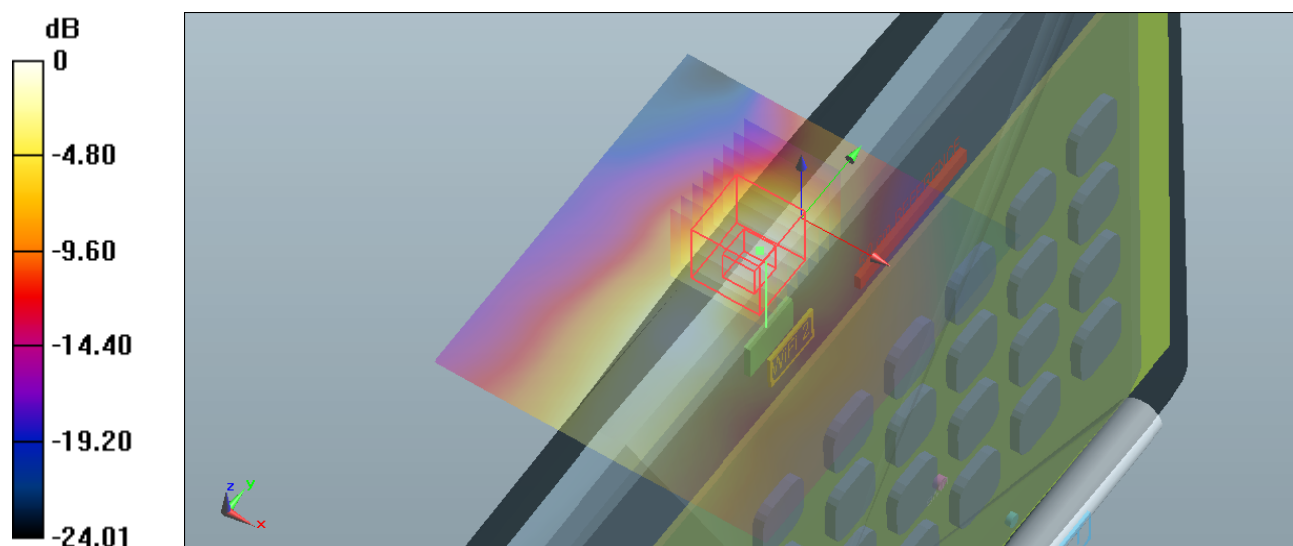
dx=5mm, dy=5mm, dz=5mm

Reference Value = 9.347 V/m; Power Drift = -0.09 dB

Peak SAR (extrapolated) = 0.442 mW/g

**SAR(1 g) = 0.163 mW/g; SAR(10 g) = 0.079 mW/g**

Maximum value of SAR (measured) = 0.182 mW/g



0 dB = 0.184 mW/g = -14.70 dB mW/g

**SAR MEASUREMENT PLOT 3**

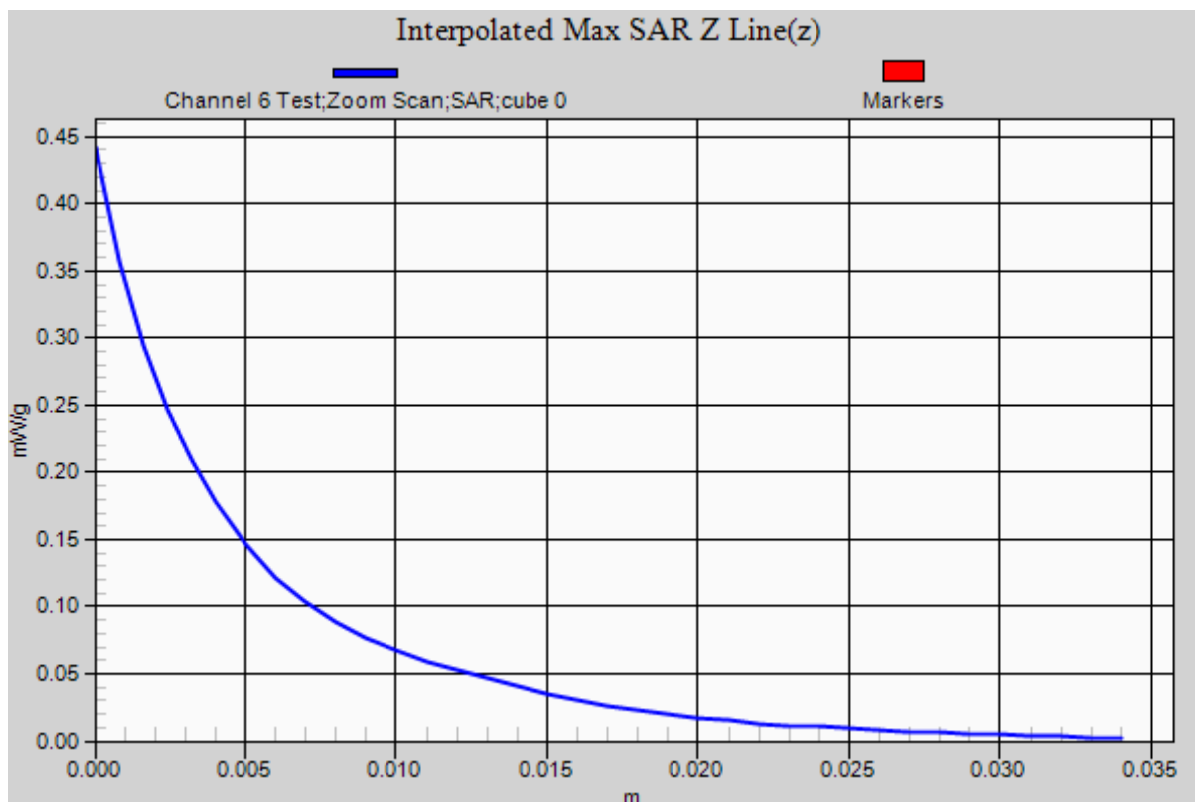
Ambient Temperature  
Liquid Temperature  
Humidity

20.9 Degrees Celsius  
20.5 Degrees Celsius  
39.0%



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Test Date: 12 June 2012

File Name: M120603 Edge On Secondary Landscape OFDM 2450 MHz Antenna B (2) 12-06-12.da52:0

**DUT: Fujitsu Tablet Tercel with Taylor Peak 11abgn and Bluetooth; Type: 62205ANHMMW; Serial: WFM: 001500647600**

\* Communication System: OFDM 2450 MHz 6 Mbs; Frequency: 2417 MHz; Duty Cycle: 1:12.9778

\* Medium parameters used:  $f = 2416$  MHz;  $\sigma = 1.913$  mho/m;  $\epsilon_r = 53.205$ ;  $\rho = 1000$  kg/m<sup>3</sup>

- Electronics: DAE3 Sn442; Probe: ET3DV6 - SN1380; ConvF(4.15, 4.15, 4.15); Calibrated: 12/12/2011

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

**Configuration/Channel 2 Test/Area Scan (71x81x1):** Measurement grid: dx=15mm, dy=15mm

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

**Configuration/Channel 2 Test/Zoom Scan (7x7x7)/Cube 0:** Measurement grid:

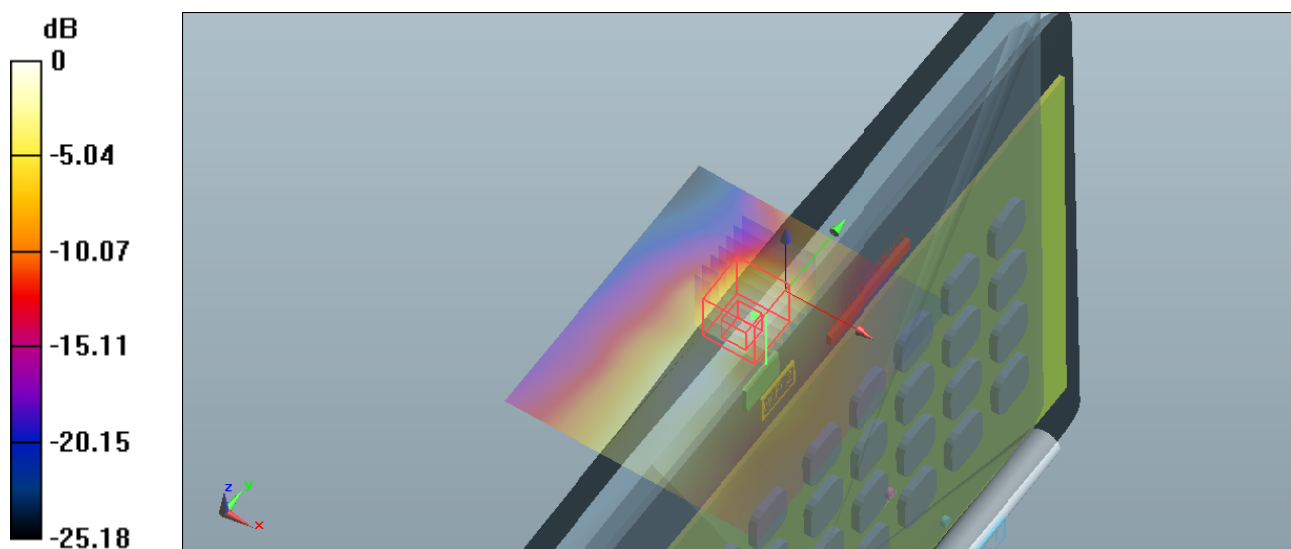
dx=5mm, dy=5mm, dz=5mm

Reference Value = 10.254 V/m; Power Drift = -0.11 dB

Peak SAR (extrapolated) = 0.492 mW/g

**SAR(1 g) = 0.194 mW/g; SAR(10 g) = 0.092 mW/g**

Maximum value of SAR (measured) = 0.216 mW/g



0 dB = 0.207 mW/g = -13.68 dB mW/g

**SAR MEASUREMENT PLOT 4**

Ambient Temperature

20.9 Degrees Celsius

Liquid Temperature

20.5 Degrees Celsius

Humidity

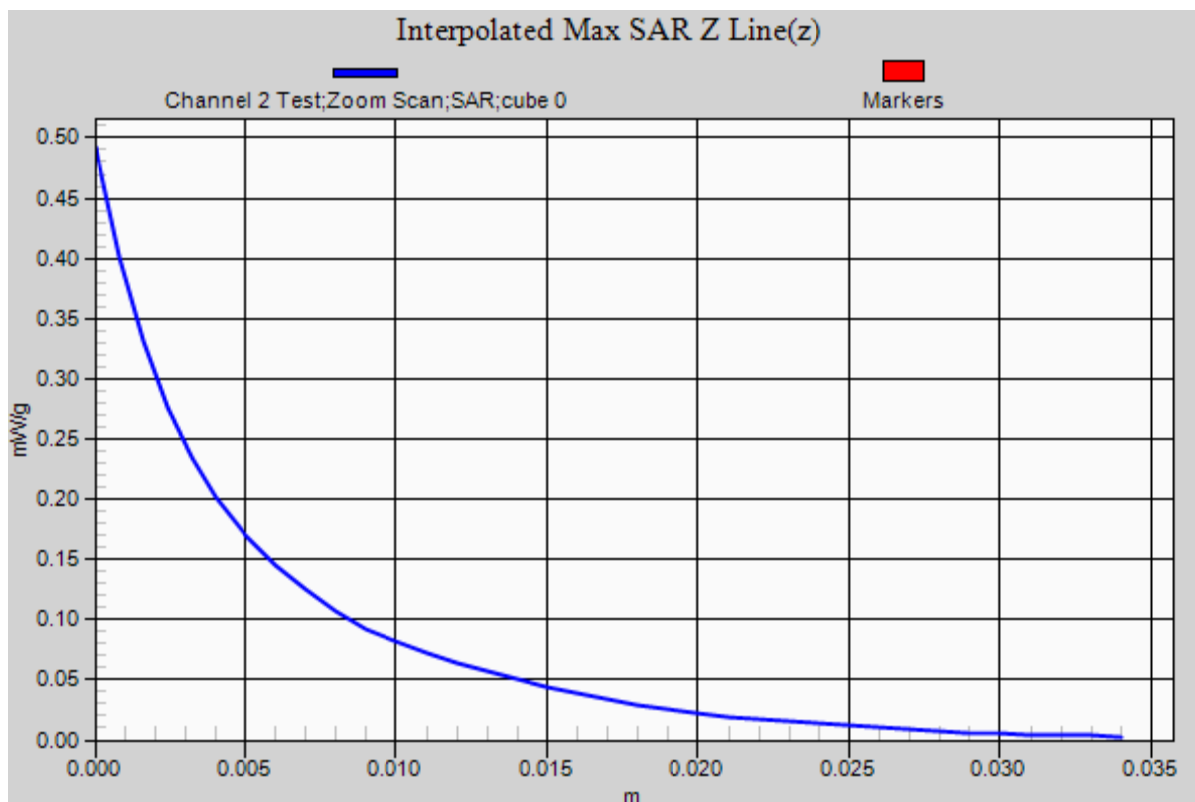
39.0%



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Test Date: 12 June 2012

File Name: M120603 Edge On Secondary Landscape OFDM 2450 MHz Antenna B (2) 12-06-12.da52:0

**DUT: Fujitsu Tablet Tercel with Taylor Peak 11abgn and Bluetooth; Type: 62205ANHMMW; Serial: WFM: 001500647600**

\* Communication System: OFDM 2450 MHz 6 Mbs; Frequency: 2457 MHz; Duty Cycle: 1:12.9778

\* Medium parameters used:  $f = 2456$  MHz;  $\sigma = 1.973$  mho/m;  $\epsilon_r = 52.969$ ;  $\rho = 1000$  kg/m<sup>3</sup>

- Electronics: DAE3 Sn442; Probe: ET3DV6 - SN1380; ConvF(4.15, 4.15, 4.15); Calibrated: 12/12/2011

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

**Configuration/Channel 10 Test/Area Scan (71x81x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.178 mW/g

**Configuration/Channel 10 Test/Zoom Scan (7x7x7)/Cube 0:** Measurement grid:

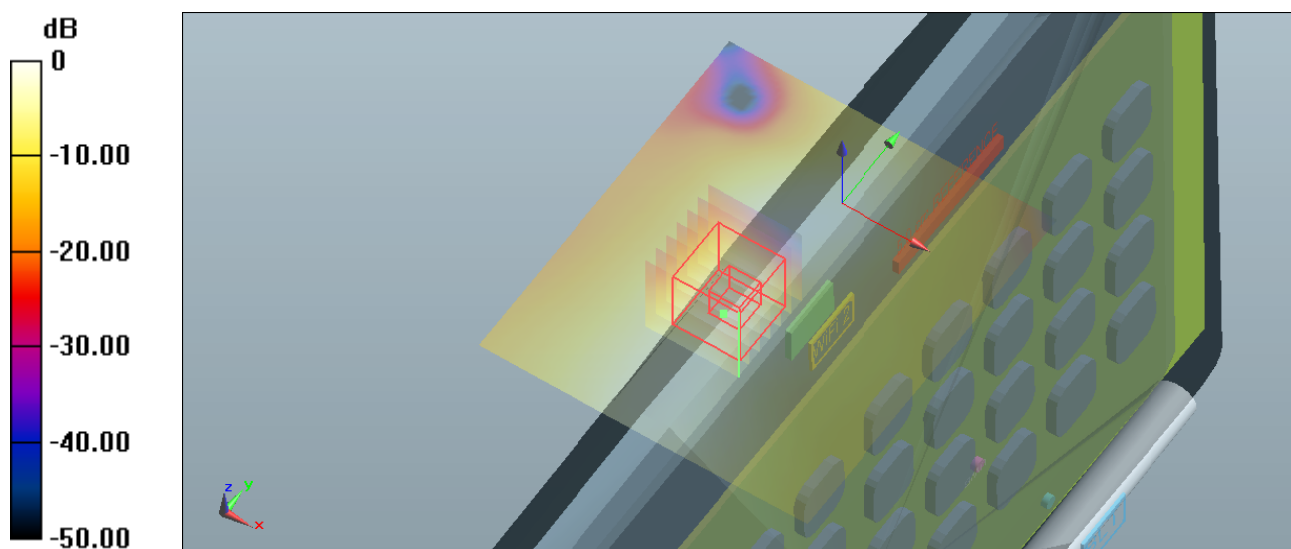
dx=5mm, dy=5mm, dz=5mm

Reference Value = 8.583 V/m; Power Drift = -0.06 dB

Peak SAR (extrapolated) = 0.499 mW/g

**SAR(1 g) = 0.185 mW/g; SAR(10 g) = 0.084 mW/g**

Maximum value of SAR (measured) = 0.200 mW/g



0 dB = 0.178 mW/g = -14.99 dB mW/g

**SAR MEASUREMENT PLOT 5**

Ambient Temperature

20.9 Degrees Celsius

Liquid Temperature

20.5 Degrees Celsius

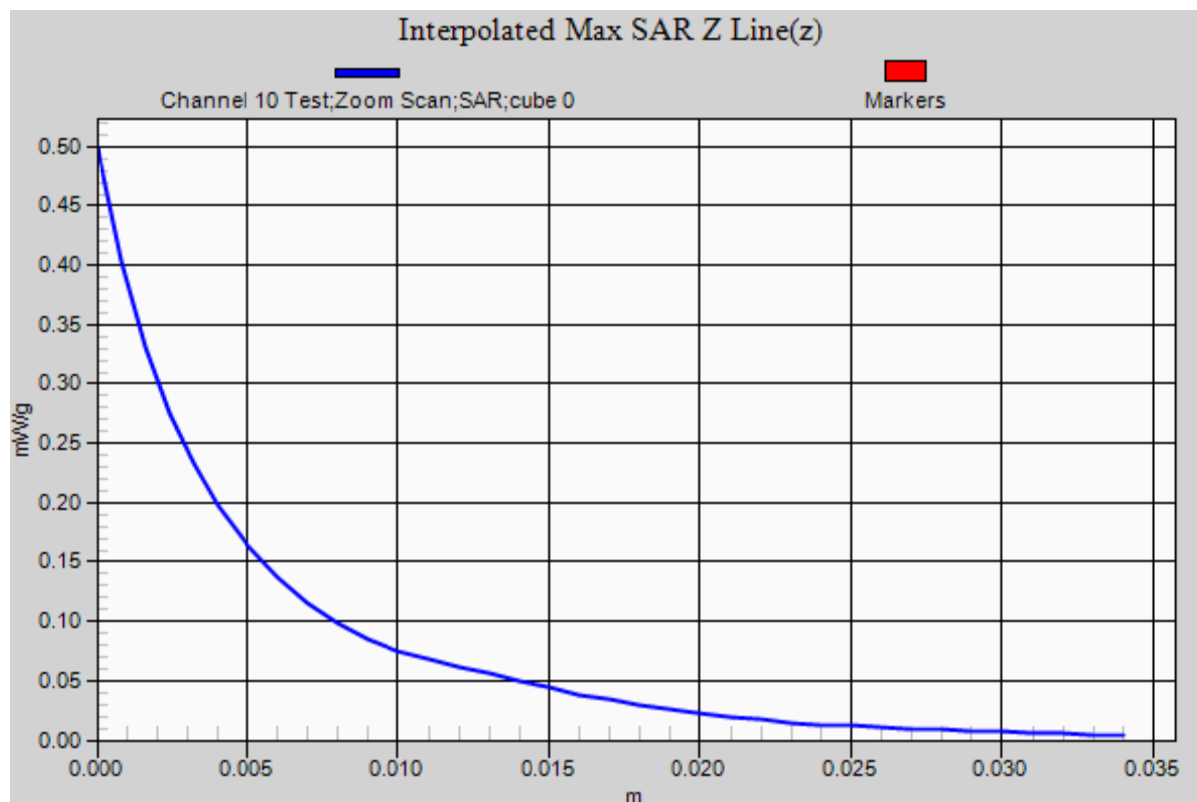
Humidity

39.0%



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**Test Date:** 12 June 2012

**File Name:** M120603\_Edge On Primary Portrait OFDM 2450 MHz Antenna A (1) 12-06-12.da52:0

**DUT:** Fujitsu Tablet Tercel with Taylor Peak 11abgn and Bluetooth; **Type:** 62205ANHMMW; **Serial:** WFM: 001500647600

\* Communication System: OFDM 2450 MHz 6 Mbs; Frequency: 2457 MHz; Duty Cycle: 1:12.9778

\* Medium parameters used:  $f = 2456$  MHz;  $\sigma = 1.973$  mho/m;  $\epsilon_r = 52.969$ ;  $\rho = 1000$  kg/m<sup>3</sup>

- Electronics: DAE3 Sn442; Probe: ET3DV6 - SN1380; ConvF(4.15, 4.15, 4.15); Calibrated: 12/12/2011

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

**Configuration/Channel 10 Test/Area Scan (71x81x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.426 mW/g

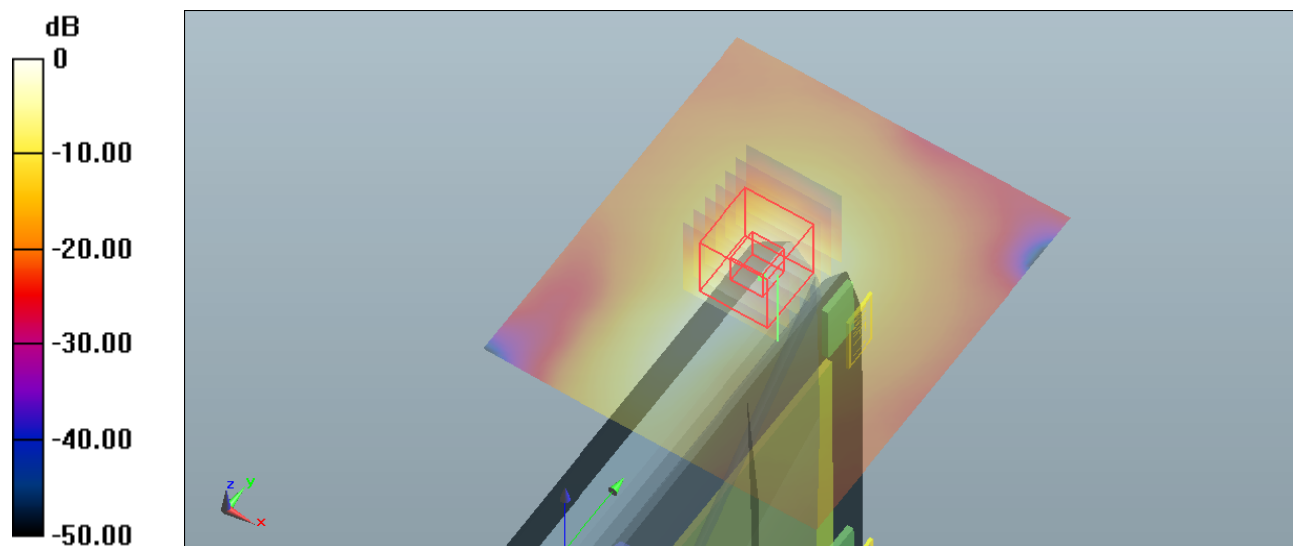
**Configuration/Channel 10 Test/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 4.214 V/m; Power Drift = -0.06 dB

Peak SAR (extrapolated) = 0.929 mW/g

**SAR(1 g) = 0.364 mW/g; SAR(10 g) = 0.165 mW/g**

Maximum value of SAR (measured) = 0.418 mW/g



0 dB = 0.426 mW/g = -7.41 dB mW/g

**SAR MEASUREMENT PLOT 6**

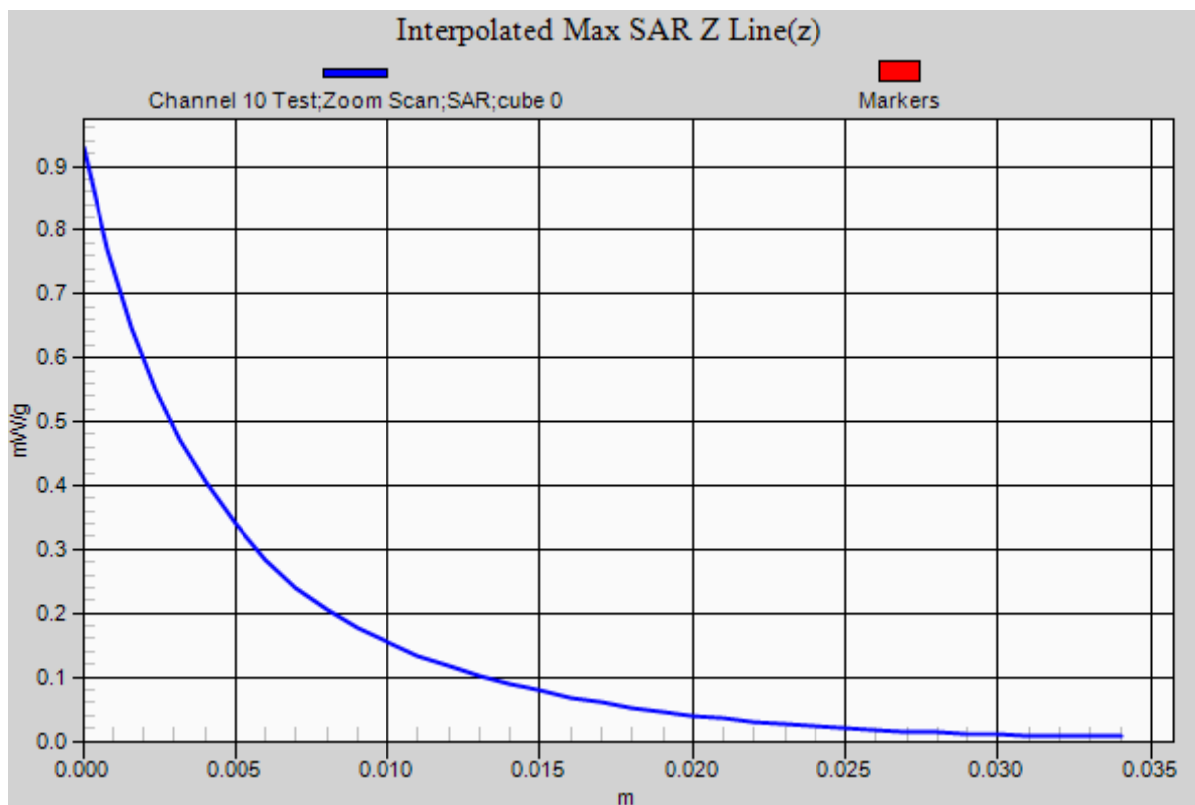
**Ambient Temperature**  
**Liquid Temperature**  
**Humidity**

**20.9 Degrees Celsius**  
**20.5 Degrees Celsius**  
**39.0%**



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Test Date: 12 June 2012

File Name: M120603\_Edge On Primary Portrait OFDM 2450 MHz Antenna B (2) 12-06-12.da52:0

**DUT: Fujitsu Tablet Tercel with Taylor Peak 11abgn and Bluetooth; Type: 62205ANHMMW; Serial: WFM: 001500647600**

\* Communication System: OFDM 2450 MHz 6 Mbs; Frequency: 2437 MHz; Duty Cycle: 1:12.9778

\* Medium parameters used:  $f = 2436$  MHz;  $\sigma = 1.943$  mho/m;  $\epsilon_r = 53.091$ ;  $\rho = 1000$  kg/m<sup>3</sup>

- Electronics: DAE3 Sn442; Probe: ET3DV6 - SN1380; ConvF(4.15, 4.15, 4.15); Calibrated: 12/12/2011

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

**Configuration/Channel 6 Test/Area Scan (71x81x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.0685 mW/g

**Configuration/Channel 6 Test/Zoom Scan (7x7x7)/Cube 0:** Measurement grid:

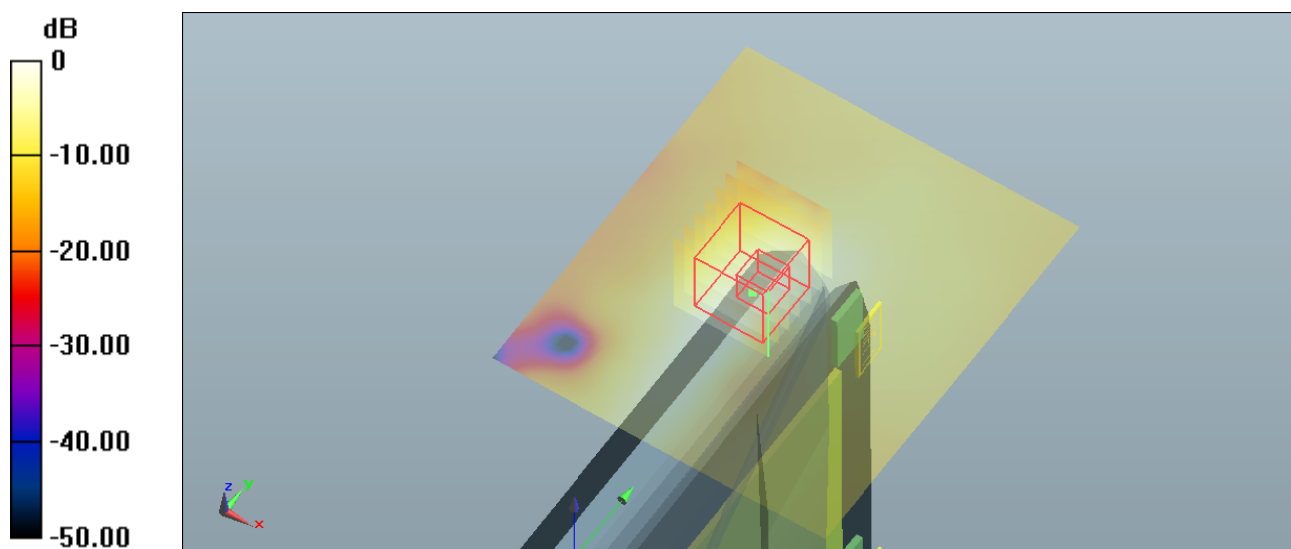
dx=5mm, dy=5mm, dz=5mm

Reference Value = 2.103 V/m; Power Drift = 0.14 dB

Peak SAR (extrapolated) = 0.159 mW/g

**SAR(1 g) = 0.064 mW/g; SAR(10 g) = 0.028 mW/g**

Maximum value of SAR (measured) = 0.0751 mW/g



0 dB = 0.0685 mW/g = -23.29 dB mW/g

**SAR MEASUREMENT PLOT 7**

Ambient Temperature

20.9 Degrees Celsius

Liquid Temperature

20.5 Degrees Celsius

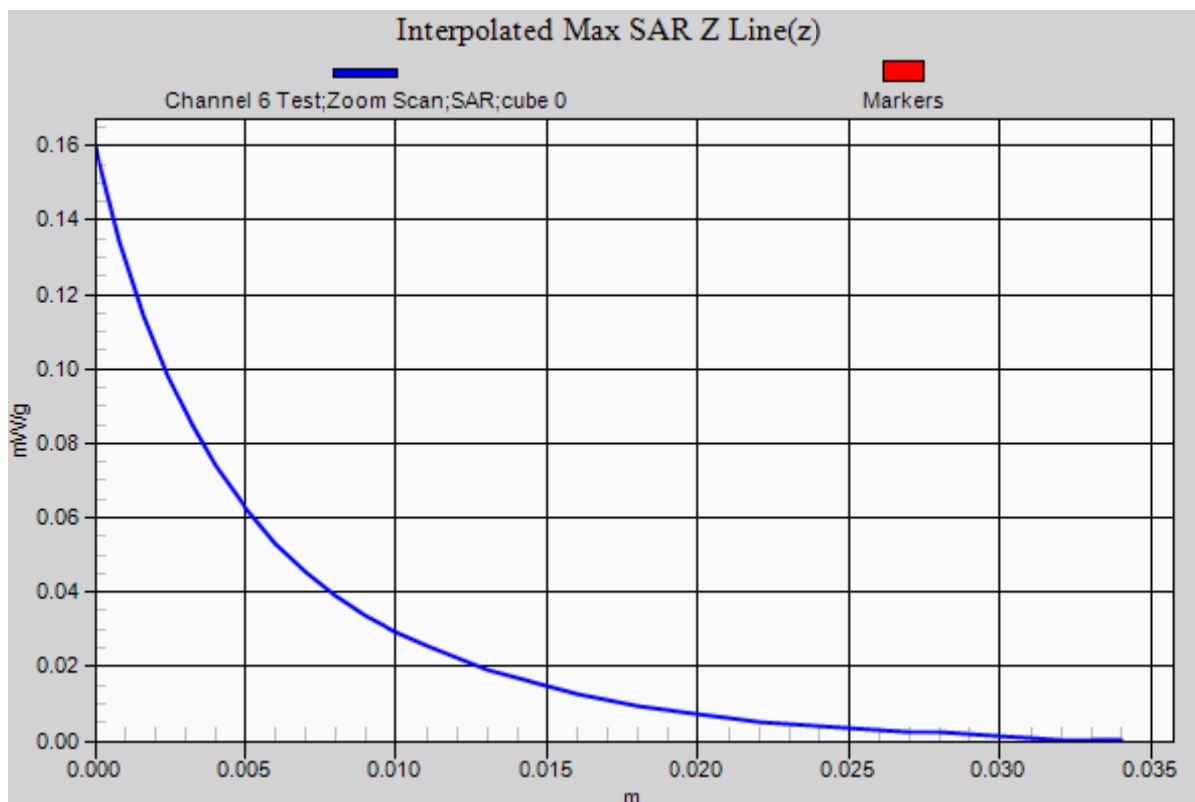
Humidity

39.0%



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Test Date: 12 June 2012

File Name: System Check 2450 MHz 12-06-12.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;  $\sigma = 1.965$  mho/m;  $\epsilon_r = 53.012$ ;  $\rho = 1000$  kg/m<sup>3</sup>

- Electronics: DAE3 Sn442; Probe: ET3DV6 - SN1380; ConvF(4.15, 4.15, 4.15); Calibrated: 12/12/2011

- 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) = 17.6 mW/g

**Configuration/Channel 1 Test/Zoom Scan (7x7x7)/Cube 0:** Measurement grid:

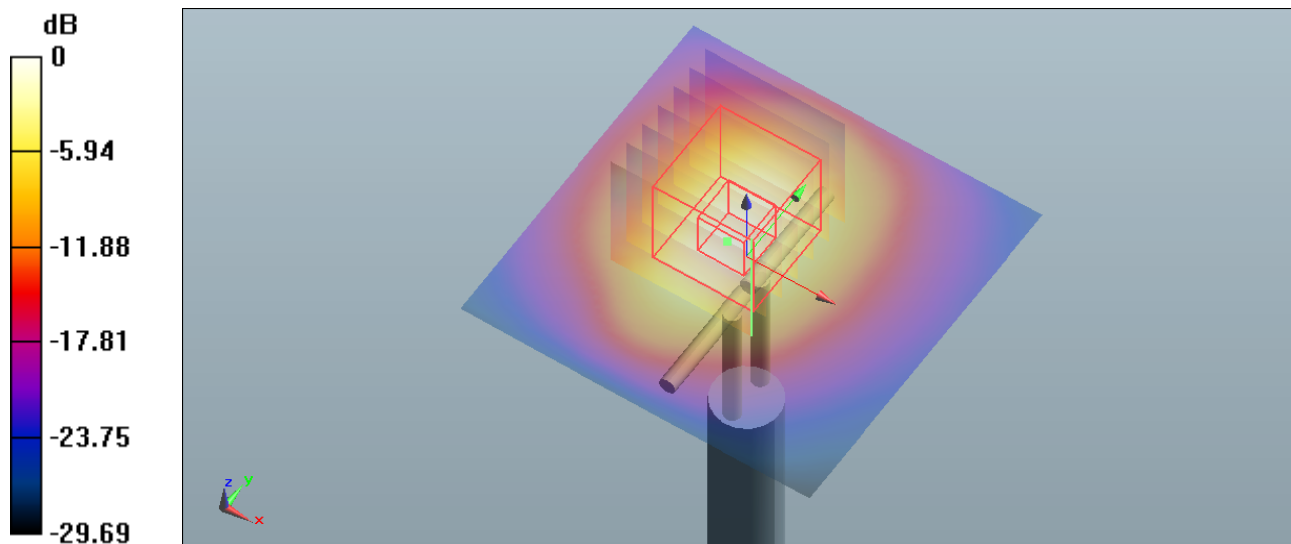
dx=5mm, dy=5mm, dz=5mm

Reference Value = 90.145 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 33.505 mW/g

**SAR(1 g) = 14.6 mW/g; SAR(10 g) = 6.84 mW/g**

Maximum value of SAR (measured) = 16.1 mW/g



0 dB = 17.6 mW/g = 24.91 dB mW/g

**SAR MEASUREMENT PLOT 8**

Ambient Temperature  
Liquid Temperature  
Humidity

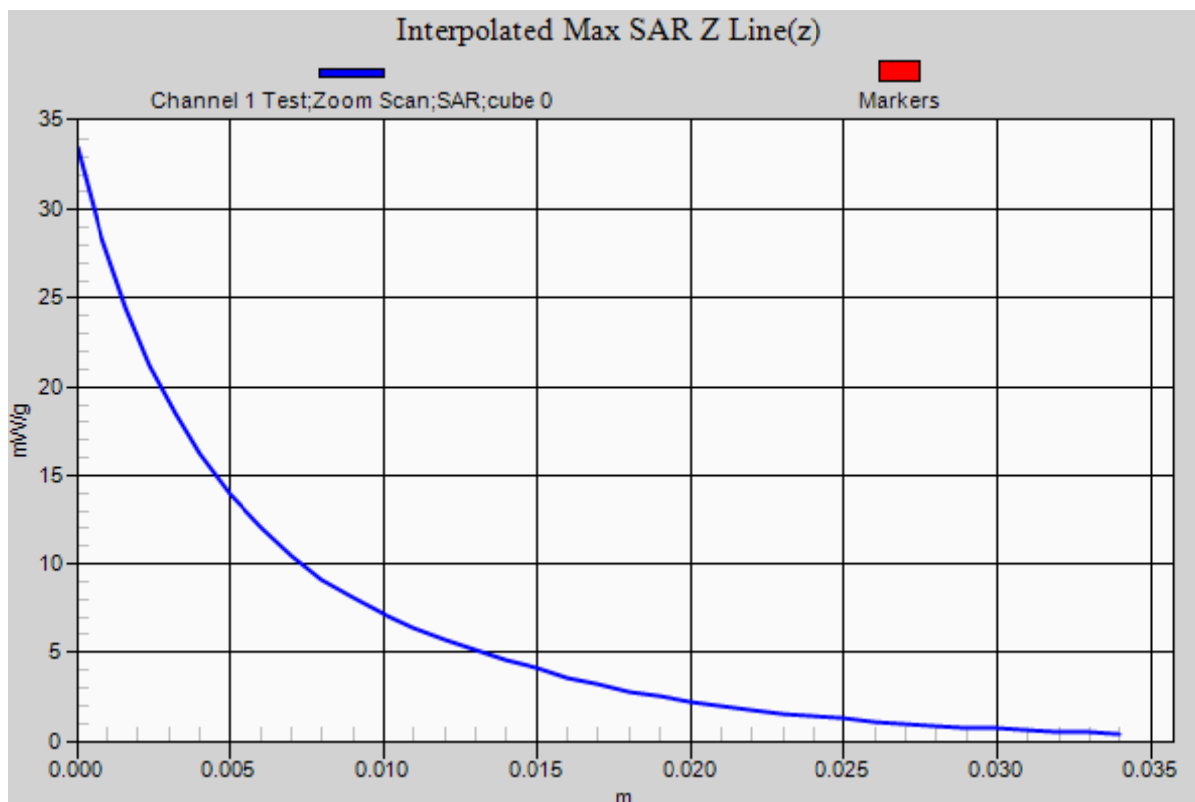
20.9 Degrees Celsius  
20.5 Degrees Celsius  
39.0%



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