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 OFDM Band SAR Measurement Plot Numbers

Test Position	Plot No.	Ant	Bit rate Mode (Mbps)	Channel Bandwidth (MHz)	Test Channel
Bystander 25mm Spacing	1	A	6	-	06
	2	B	6	-	06
Lap Held	3	A	6	-	06
	4	B	6	-	06
Primary Portrait	5	A	6	-	02
	6	A	6		06
	7	A	6		10
Secondary Landscape	8	A	6	-	06
	9	B	6	-	06
Secondary Portrait	10	B	6	-	02
	11	B	6	-	06
	12	B	6	-	10

Table 22 2450MHz System verification Plot

Plot 13	System Verification 2450 MHz 11th May 2011

Test Date: 11 May 2011
File Name: M110361 Bystander 25mm Spacing OFDM 2.4 GHz Ant A 11-05-11.da52:0
DUT: Fujitsu Tablet Claw with Taylor Peak 11abgn; Type: 62205ANHMW; Serial: WFM: 001500647600

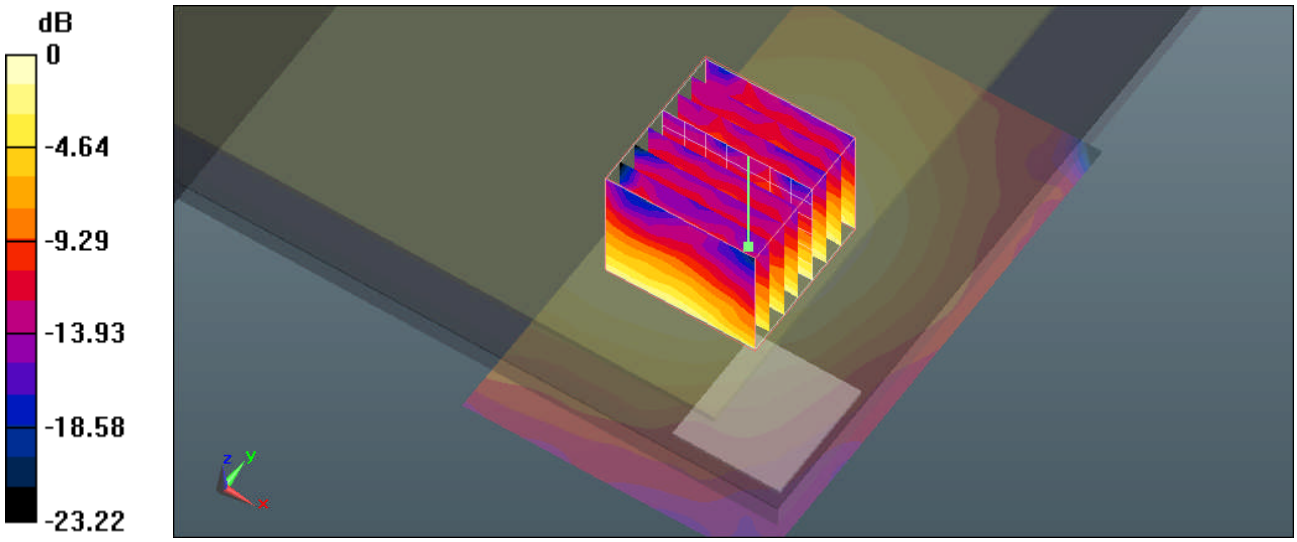
* Communication System: OFDM 2450 MHz 6 Mbs; Frequency: 2437 MHz; Duty Cycle: 1:12.9778
* Medium parameters used: f = 2436 MHz; σ = 1.958 mho/m; ε_r = 51.749; ρ = 1000 kg/m^3
- Electronics: DAE3 Sn442; Probe: ET3DV6 - SN1380; ConvF(4.09, 4.09, 4.09)
- Phantom: Flat Phantom 10.1; Serial: P 10.1; Phantom section: Flat 2.2 Section

Configuration/Channel 6 Test/Area Scan (71x121x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.037 mW/g

Configuration/Channel 6 Test/Zoom Scan (8x8x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

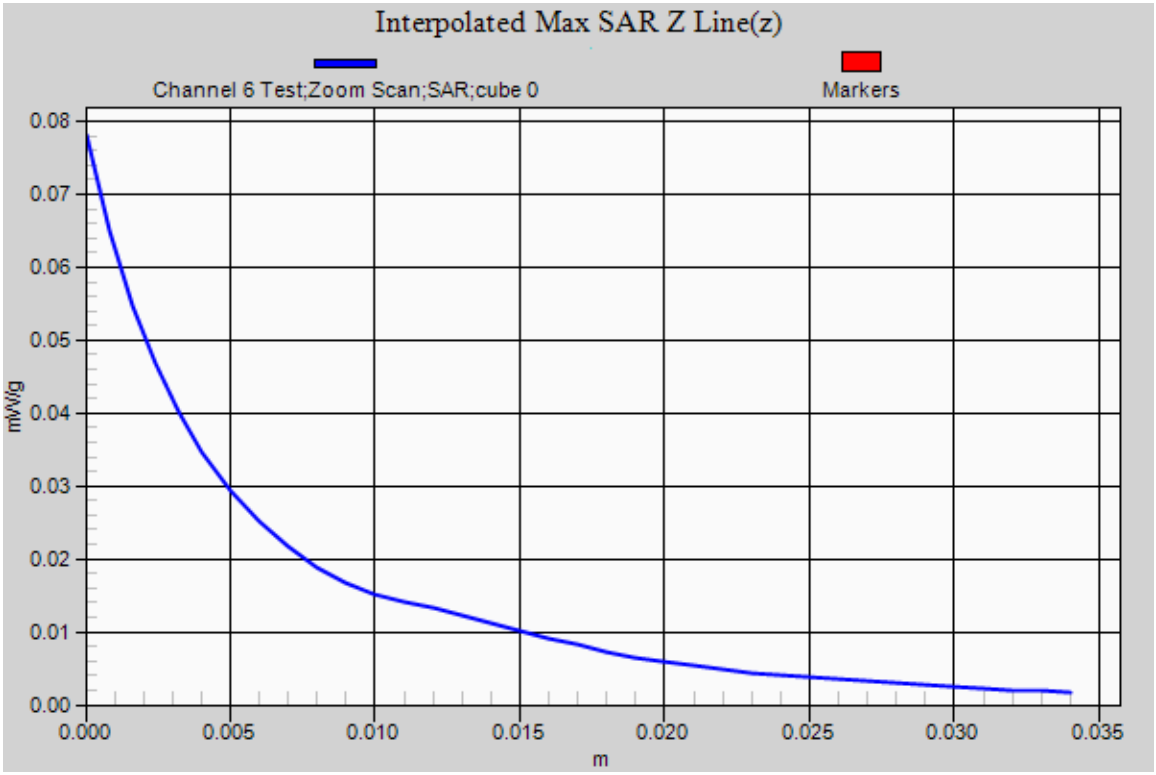
Reference Value = 3.846 V/m; Power Drift = -0.19 dB
Peak SAR (extrapolated) = 0.078 W/kg
SAR(1 g) = 0.036 mW/g; SAR(10 g) = 0.021 mW/g
Maximum value of SAR (measured) = 0.039 mW/g



0 dB = 0.040mW/g

SAR MEASUREMENT PLOT 1

Ambient Temperature	**20.9 Degrees Celsius**
Liquid Temperature	**20.7 Degrees Celsius**
Humidity	**53.0 %**



Test Date: 11 May 2011

File Name: M110361 Bystander 25mm spacing OFDM 2.4 GHz Ant B 11-05-11.da52:0

DUT: Fujitsu Tablet Claw with Taylor Peak 11abgn; 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; σ = 1.958 mho/m; ε_r = 51.749; ρ = 1000 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 6 Test/Area Scan (51x81x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.045 mW/g

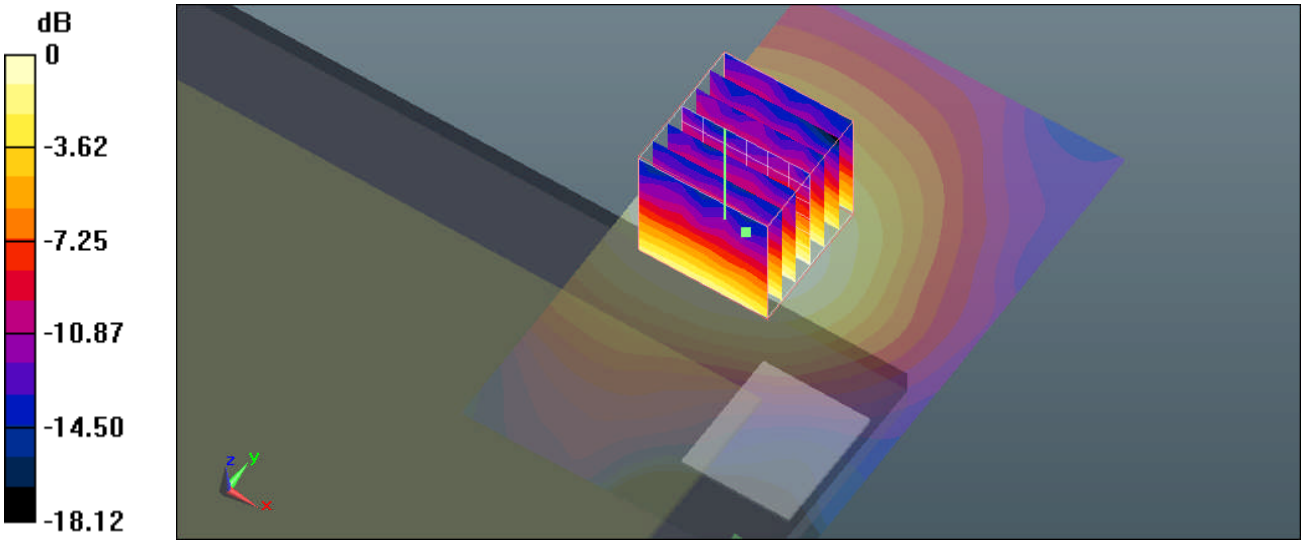
Configuration/Channel 6 Test/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 3.572 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 0.081 W/kg

SAR(1 g) = 0.041 mW/g; SAR(10 g) = 0.024 mW/g

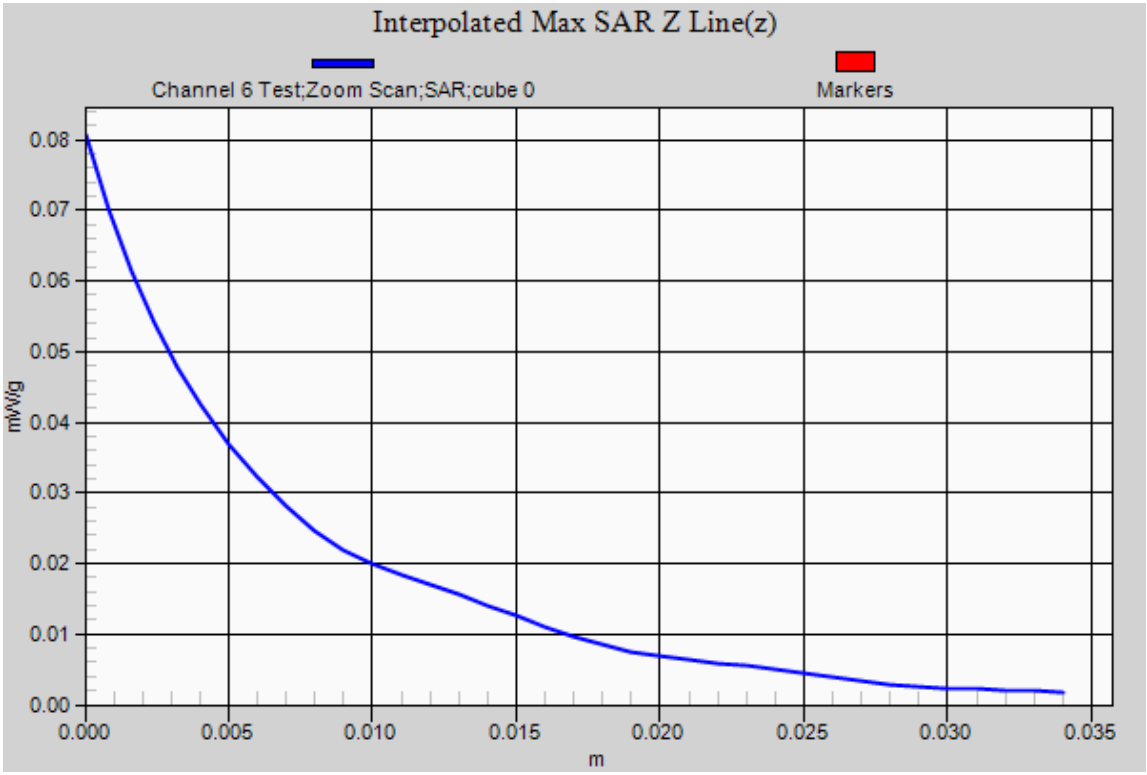
Maximum value of SAR (measured) = 0.043 mW/g



0 dB = 0.040mW/g

SAR MEASUREMENT PLOT 2

Ambient Temperature	**20.9 Degrees Celsius**
Liquid Temperature	**20.7 Degrees Celsius**
Humidity	**53.0 %**



Test Date: 11 May 2011
File Name: M110361 Lap Held OFDM 2.4 GHz Ant A 11-05-11.da52:0
DUT: Fujitsu Tablet Claw with Taylor Peak 11abgn; Type: 62205ANHMW; Serial: WFM: 001500647600

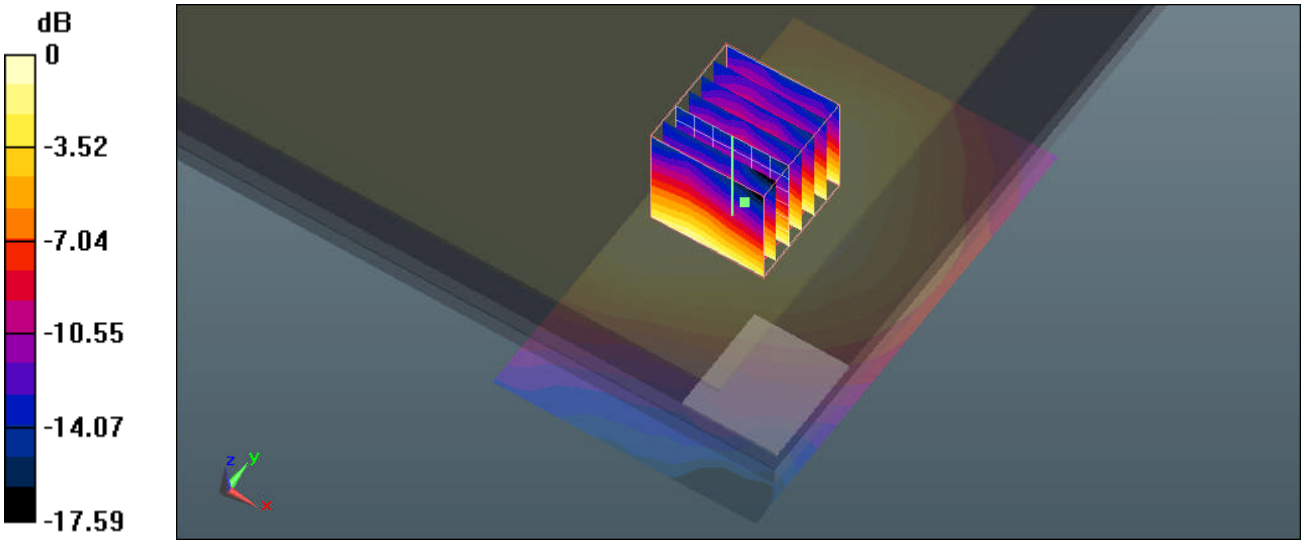
* Communication System: OFDM 2450 MHz 6 Mbs; Frequency: 2437 MHz; Duty Cycle: 1:12.9778
* Medium parameters used: f = 2436 MHz; σ = 1.958 mho/m; ε_r = 51.749; ρ = 1000 kg/m^3
- Electronics: DAE3 Sn442; Probe: ET3DV6 - SN1380; ConvF(4.09, 4.09, 4.09)
- Phantom: Flat Phantom 10.1; Serial: P 10.1; Phantom section: Flat 2.2 Section

Configuration/Channel 6 Test/Area Scan (71x121x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.087 mW/g

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

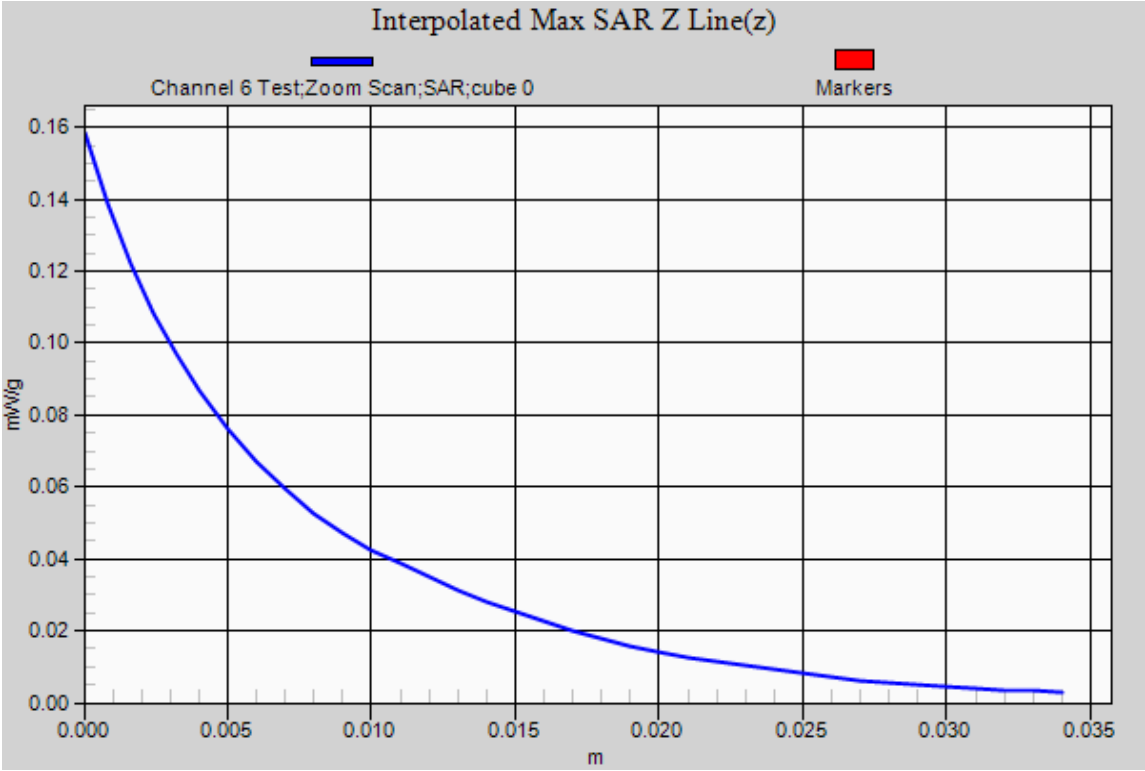
Reference Value = 5.452 V/m; Power Drift = -0.22 dB
Peak SAR (extrapolated) = 0.158 W/kg
SAR(1 g) = 0.081 mW/g; SAR(10 g) = 0.047 mW/g
Maximum value of SAR (measured) = 0.087 mW/g



0 dB = 0.090mW/g

SAR MEASUREMENT PLOT 3

Ambient Temperature	**20.9 Degrees Celsius**
Liquid Temperature	**20.7 Degrees Celsius**
Humidity	**53.0 %**



Test Date: 11 May 2011
File Name: M110361 Lap Held OFDM 2.4 GHz Ant B 11-05-11.da52:0
DUT: Fujitsu Tablet Claw with Taylor Peak 11abgn; Type: 62205ANHMW; Serial: WFM: 001500647600

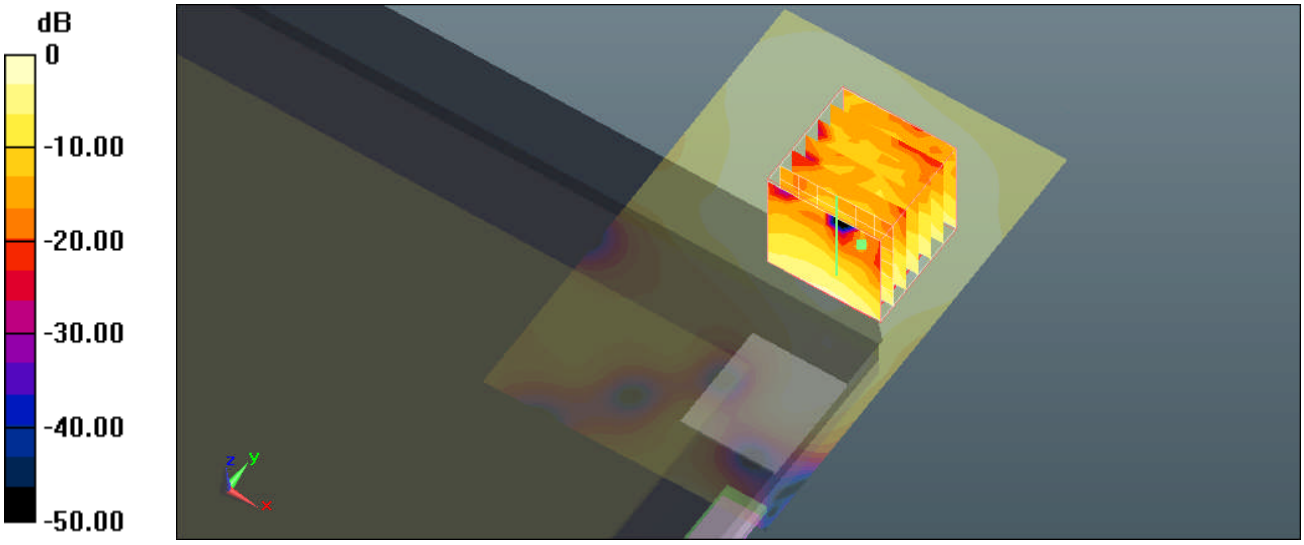
* Communication System: OFDM 2450 MHz 6 Mbs; Frequency: 2437 MHz; Duty Cycle: 1:12.9778
* Medium parameters used: f = 2436 MHz; σ = 1.958 mho/m; ε_r = 51.749; ρ = 1000 kg/m^3
- Electronics: DAE3 Sn442; Probe: ET3DV6 - SN1380; ConvF(4.09, 4.09, 4.09)
- Phantom: Flat Phantom 10.1; Serial: P 10.1; Phantom section: Flat 2.2 Section

Configuration/Channel 6 Test/Area Scan (51x81x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.015 mW/g

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

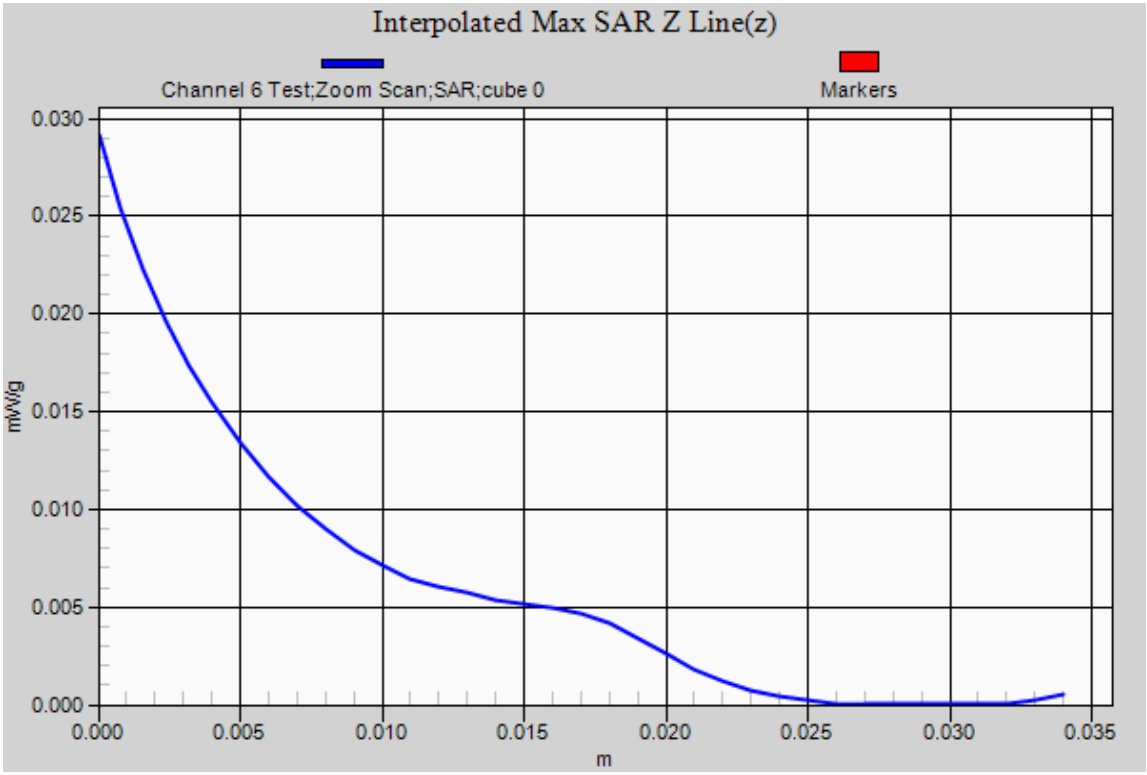
Reference Value = 1.478 V/m; Power Drift = -0.35 dB
Peak SAR (extrapolated) = 0.029 W/kg
SAR(1 g) = 0.014 mW/g; SAR(10 g) = 0.0072 mW/g
Maximum value of SAR (measured) = 0.016 mW/g



0 dB = 0.020mW/g

SAR MEASUREMENT PLOT 4

Ambient Temperature	**20.9 Degrees Celsius**
Liquid Temperature	**20.7 Degrees Celsius**
Humidity	**53.0 %**



Test Date: 11 May 2011
File Name: M110361 Primary Portrait OFDM 2.4 GHz Ant A 11-05-11.da52:0
DUT: Fujitsu Tablet Claw with Taylor Peak 11abgn; Type: 62205ANHMW; Serial: WFM: 001500647600

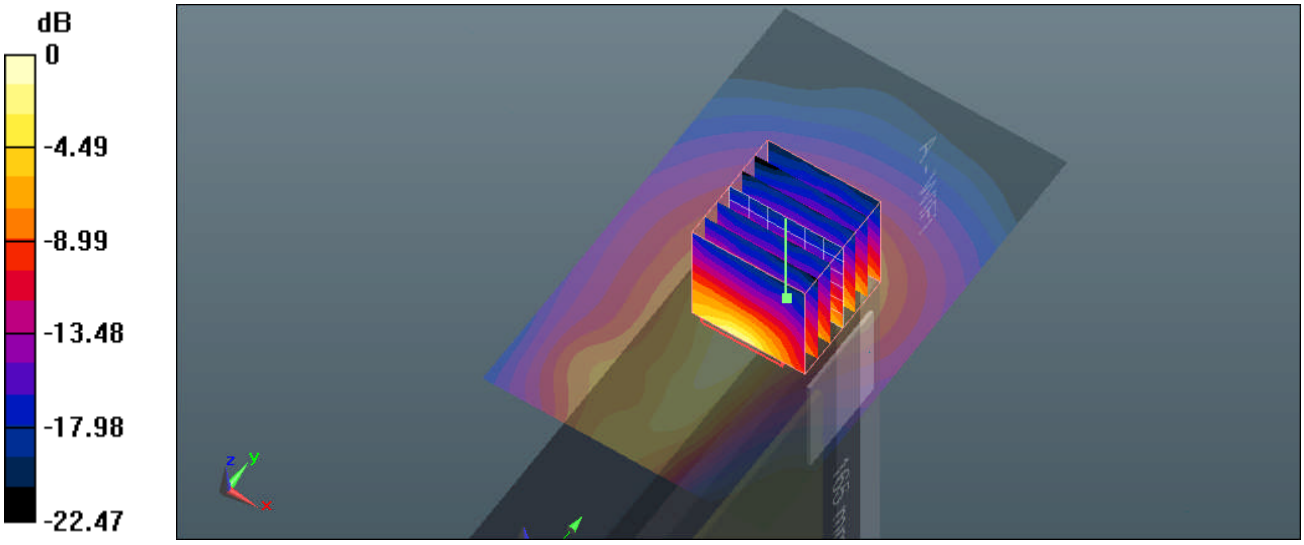
* Communication System: OFDM 2450 MHz 6 Mbs; Frequency: 2417 MHz; Duty Cycle: 1:12.9778
* Medium parameters used: f = 2416 MHz; σ = 1.935 mho/m; ε_r = 51.886; ρ = 1000 kg/m^3
- Electronics: DAE3 Sn442; Probe: ET3DV6 - SN1380; ConvF(4.09, 4.09, 4.09)
- Phantom: Flat Phantom 10.1; Serial: P 10.1; Phantom section: Flat 2.2 Section

Configuration/Channel 2 Test/Area Scan (51x81x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.278 mW/g

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

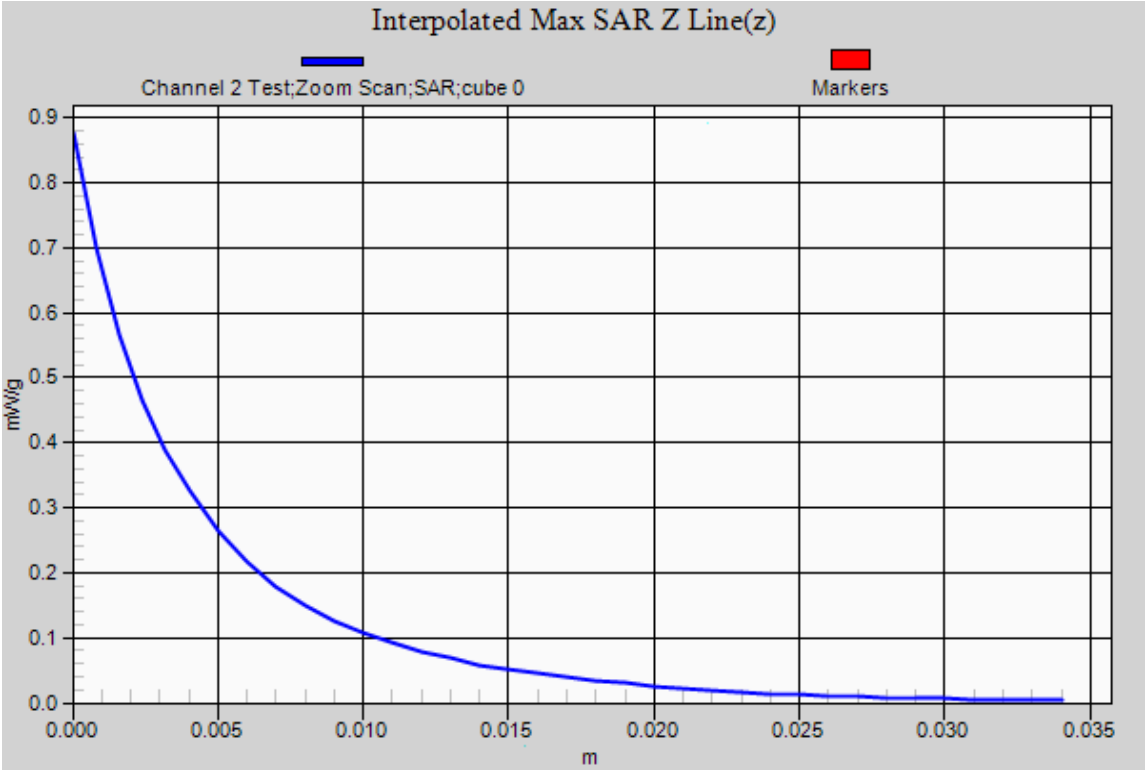
Reference Value = 11.160 V/m; Power Drift = -0.24 dB
Peak SAR (extrapolated) = 0.876 W/kg
SAR(1 g) = 0.281 mW/g; SAR(10 g) = 0.116 mW/g
Maximum value of SAR (measured) = 0.316 mW/g



0 dB = 0.320mW/g

SAR MEASUREMENT PLOT 5

Ambient Temperature	**20.9 Degrees Celsius**
Liquid Temperature	**20.7 Degrees Celsius**
Humidity	**53.0 %**



Test Date: 11 May 2011
File Name: M110361 Primary Portrait OFDM 2.4 GHz Ant A 11-05-11.da52:0
DUT: Fujitsu Tablet Claw with Taylor Peak 11abgn; Type: 62205ANHMW; Serial: WFM: 001500647600

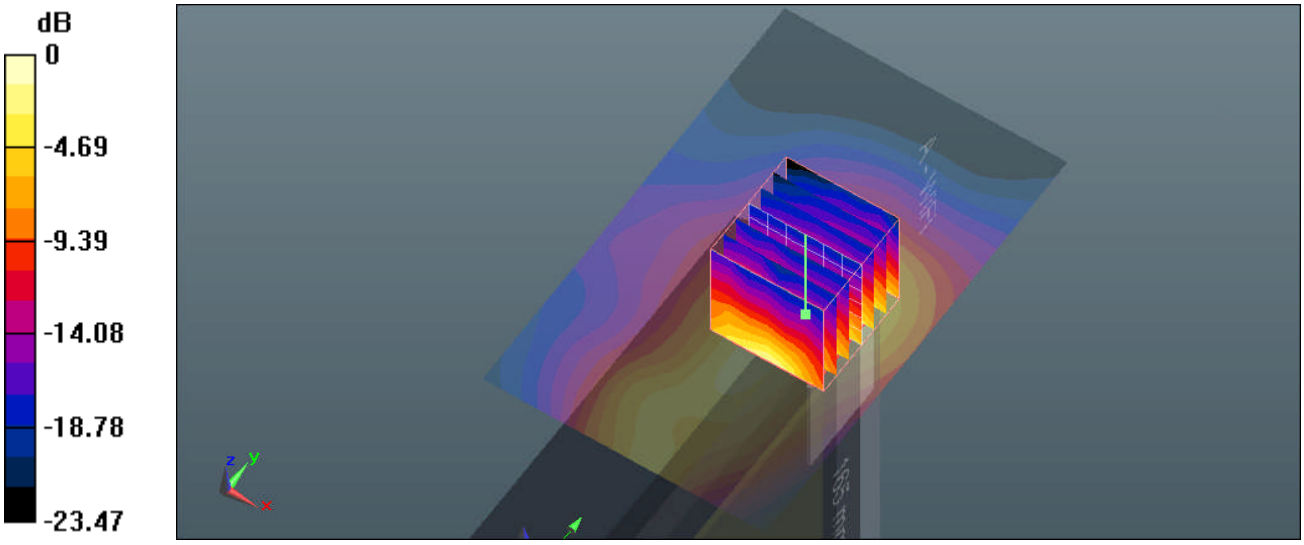
* Communication System: OFDM 2450 MHz 6 Mbs; Frequency: 2437 MHz; Duty Cycle: 1:12.9778
* Medium parameters used: f = 2436 MHz; σ = 1.958 mho/m; ε_r = 51.749; ρ = 1000 kg/m^3
- Electronics: DAE3 Sn442; Probe: ET3DV6 - SN1380; ConvF(4.09, 4.09, 4.09)
- Phantom: Flat Phantom 10.1; Serial: P 10.1; Phantom section: Flat 2.2 Section

Configuration/Channel 6 Test/Area Scan (51x81x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.244 mW/g

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

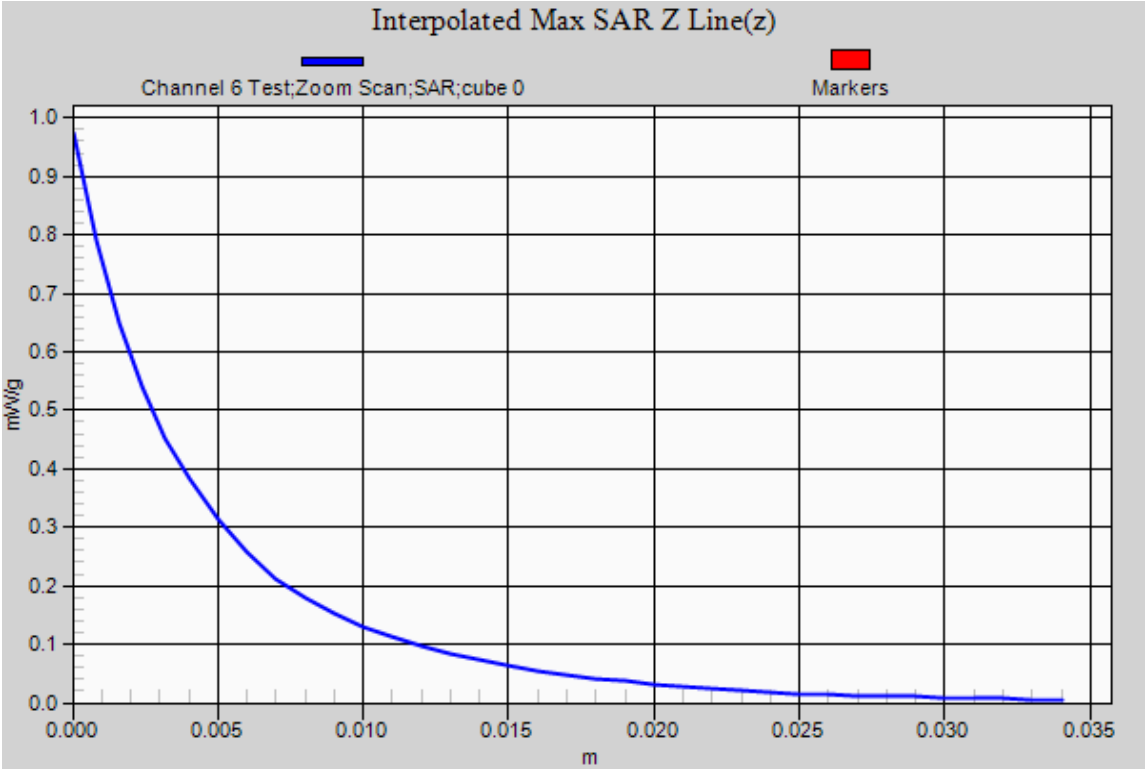
Reference Value = 6.980 V/m; Power Drift = -0.24 dB
Peak SAR (extrapolated) = 0.974 W/kg
SAR(1 g) = 0.325 mW/g; SAR(10 g) = 0.139 mW/g
Maximum value of SAR (measured) = 0.388 mW/g



0 dB = 0.390mW/g

SAR MEASUREMENT PLOT 6

Ambient Temperature	**20.9 Degrees Celsius**
Liquid Temperature	**20.7 Degrees Celsius**
Humidity	**53.0 %**



Test Date: 11 May 2011
File Name: M110361 Primary Portrait OFDM 2.4 GHz Ant A 11-05-11.da52:0
DUT: Fujitsu Tablet Claw with Taylor Peak 11abgn; Type: 62205ANHMW; Serial: WFM: 001500647600

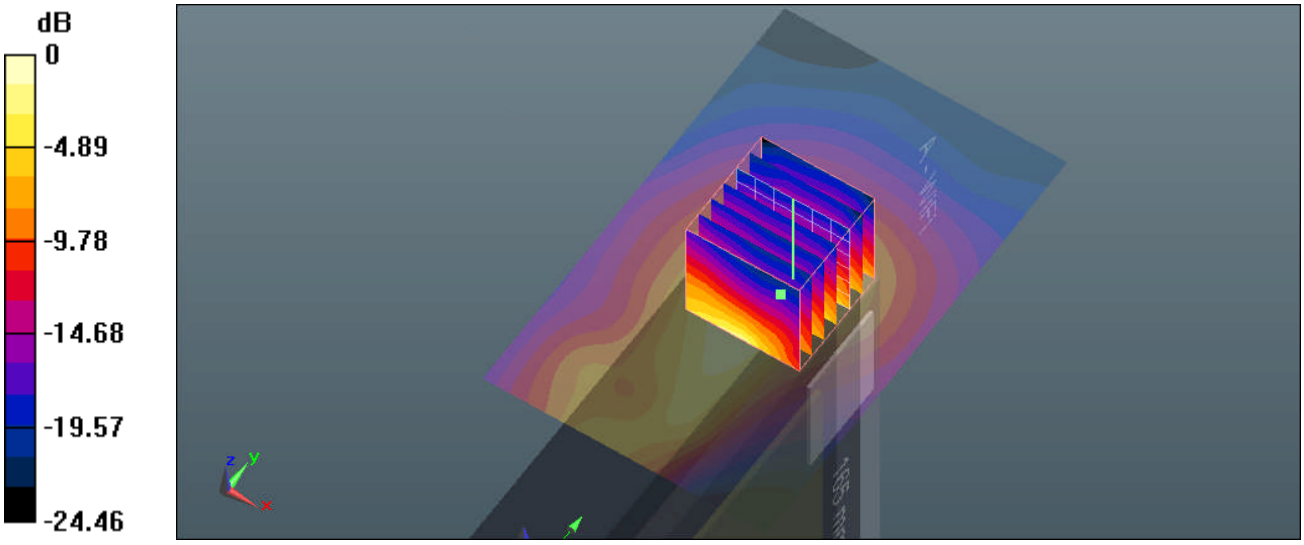
* Communication System: OFDM 2450 MHz 6 Mbs; Frequency: 2457 MHz; Duty Cycle: 1:12.9778
* Medium parameters used: f = 2456 MHz; σ = 1.983 mho/m; ε_r = 51.58; ρ = 1000 kg/m^3
- Electronics: DAE3 Sn442; Probe: ET3DV6 - SN1380; ConvF(4.09, 4.09, 4.09)
- Phantom: Flat Phantom 10.1; Serial: P 10.1; Phantom section: Flat 2.2 Section

Configuration/Channel 10 Test/Area Scan (51x81x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.420 mW/g

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

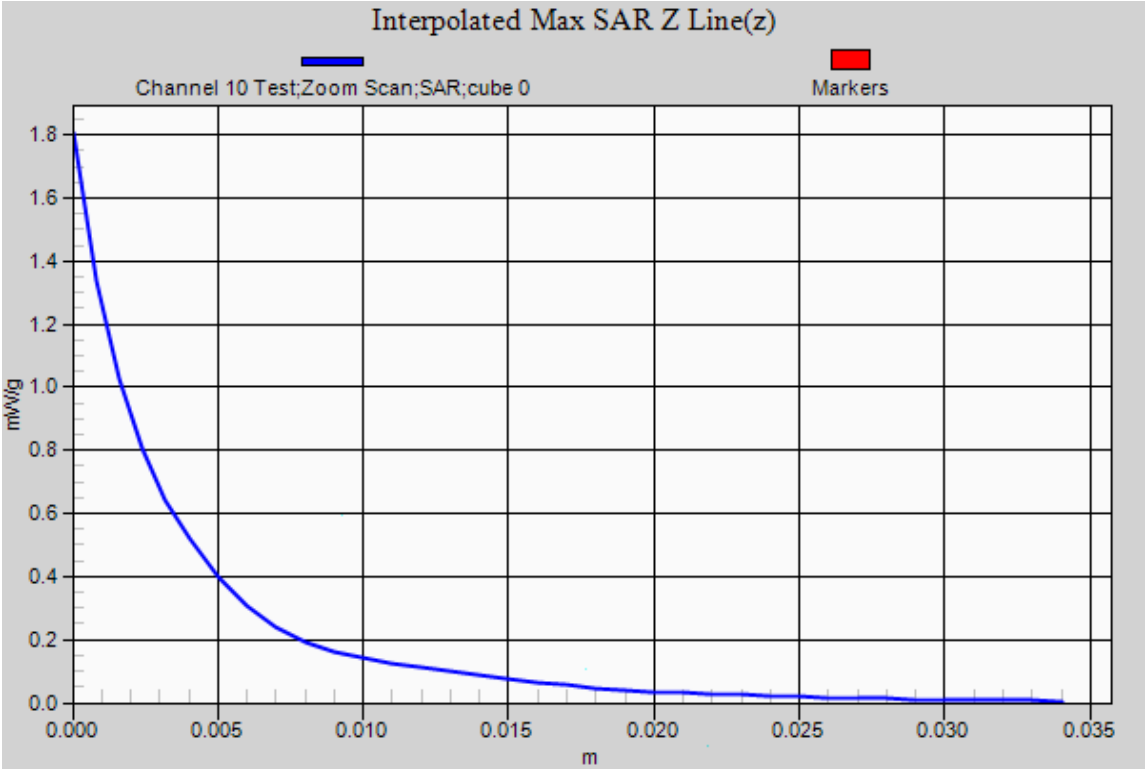
Reference Value = 14.602 V/m; Power Drift = -0.21 dB
Peak SAR (extrapolated) = 1.805 W/kg
SAR(1 g) = 0.440 mW/g; SAR(10 g) = 0.175 mW/g
Maximum value of SAR (measured) = 0.509 mW/g



0 dB = 0.510mW/g

SAR MEASUREMENT PLOT 7

Ambient Temperature	**20.9 Degrees Celsius**
Liquid Temperature	**20.7 Degrees Celsius**
Humidity	**53.0 %**



Test Date: 11 May 2011
File Name: M110361 Secondary Landscape OFDM 2.4 GHz Ant A 11-05-11.da52:0
DUT: Fujitsu Tablet Claw with Taylor Peak 11abgn; Type: 62205ANHMW; Serial: WFM: 001500647600

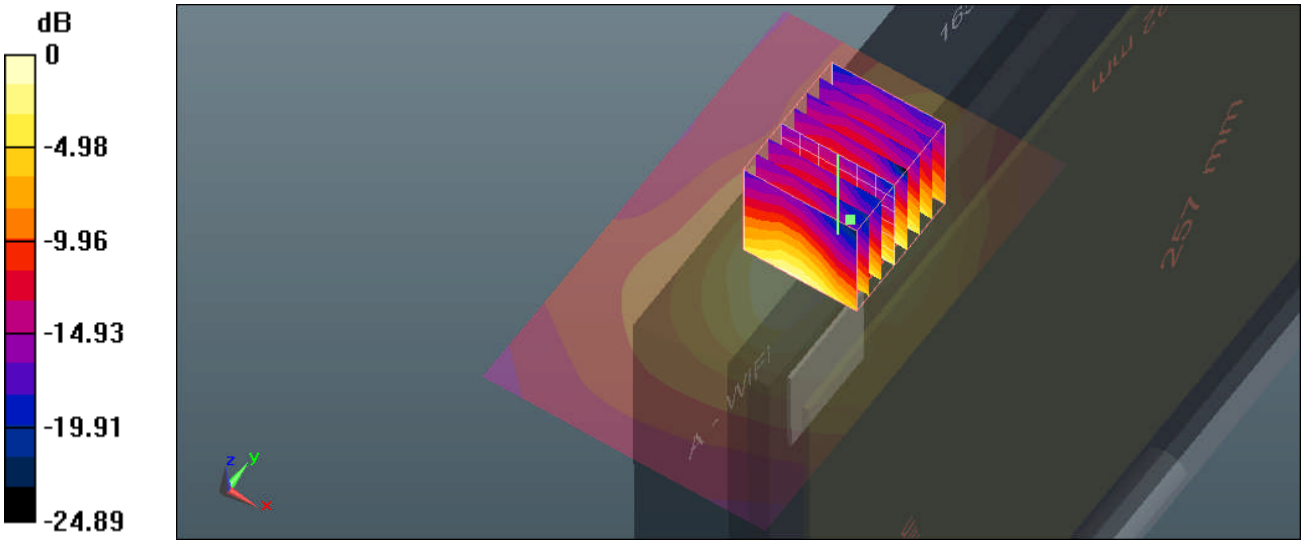
* Communication System: OFDM 2450 MHz 6 Mbs; Frequency: 2437 MHz; Duty Cycle: 1:12.9778
* Medium parameters used: f = 2436 MHz; σ = 1.958 mho/m; ε_r = 51.749; ρ = 1000 kg/m^3
- Electronics: DAE3 Sn442; Probe: ET3DV6 - SN1380; ConvF(4.09, 4.09, 4.09)
- Phantom: Flat Phantom 10.1; Serial: P 10.1; Phantom section: Flat 2.2 Section

Configuration/Channel 6 Test/Area Scan (51x81x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.164 mW/g

Configuration/Channel 6 Test/Zoom Scan (7x8x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

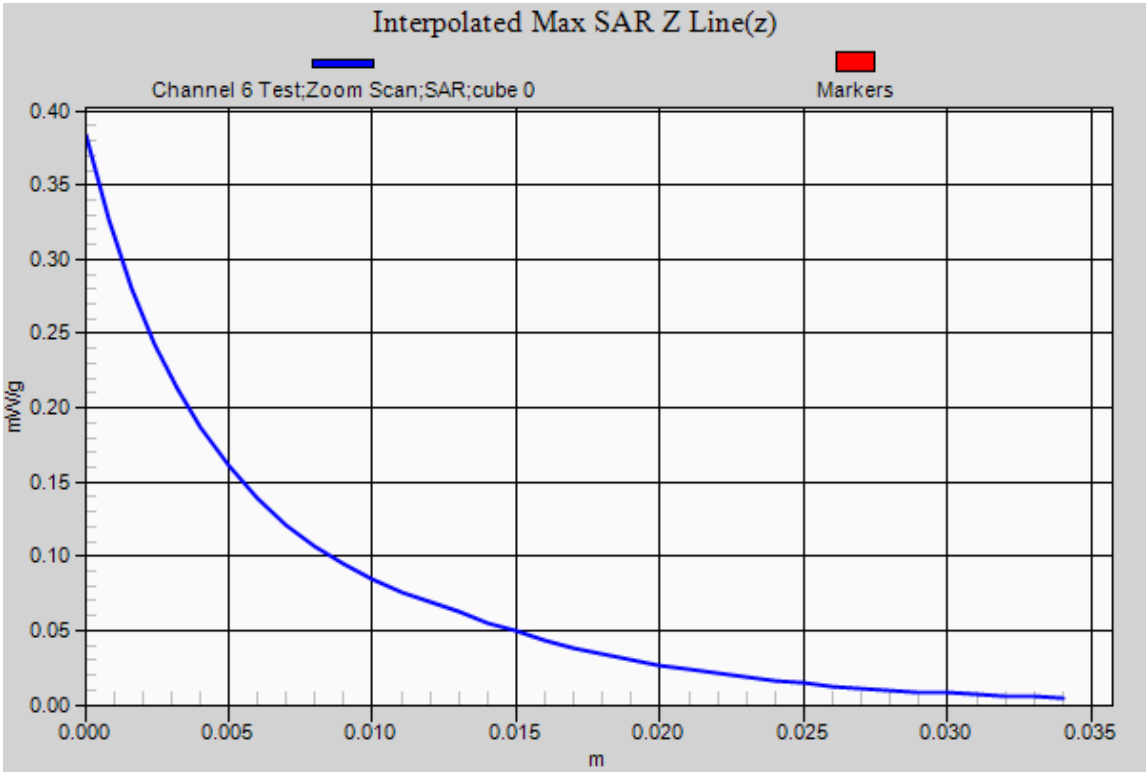
Reference Value = 8.795 V/m; Power Drift = -0.18 dB
Peak SAR (extrapolated) = 0.384 W/kg
SAR(1 g) = 0.173 mW/g; SAR(10 g) = 0.087 mW/g
Maximum value of SAR (measured) = 0.187 mW/g



0 dB = 0.190mW/g

SAR MEASUREMENT PLOT 8

Ambient Temperature	**20.9 Degrees Celsius**
Liquid Temperature	**20.7 Degrees Celsius**
Humidity	**53.0 %**



Test Date: 11 May 2011
File Name: M110361 Secondary Landscape OFDM 2.4 GHz Ant B 11-05-11.da52:0
DUT: Fujitsu Tablet Claw with Taylor Peak 11abgn; Type: 62205ANHMW; Serial: WFM: 001500647600

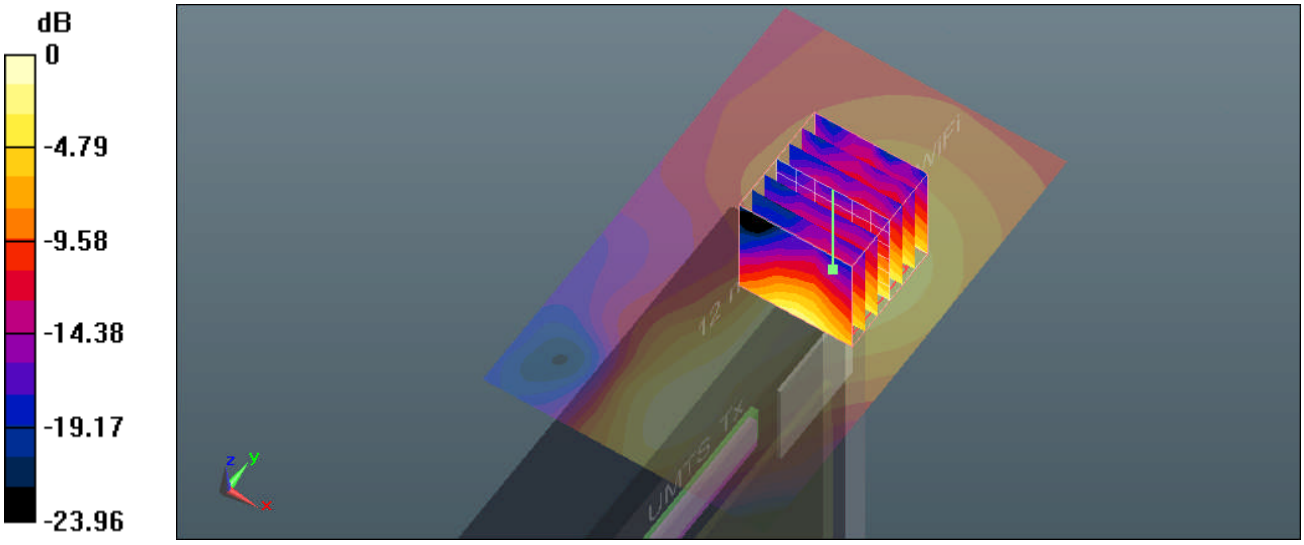
* Communication System: OFDM 2450 MHz 6 Mbs; Frequency: 2437 MHz; Duty Cycle: 1:12.9778
* Medium parameters used: f = 2436 MHz; σ = 1.958 mho/m; ε_r = 51.749; ρ = 1000 kg/m^3
- Electronics: DAE3 Sn442; Probe: ET3DV6 - SN1380; ConvF(4.09, 4.09, 4.09)
- Phantom: Flat Phantom 10.1; Serial: P 10.1; Phantom section: Flat 2.2 Section

Configuration/Channel 6 Test/Area Scan (51x81x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.085 mW/g

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

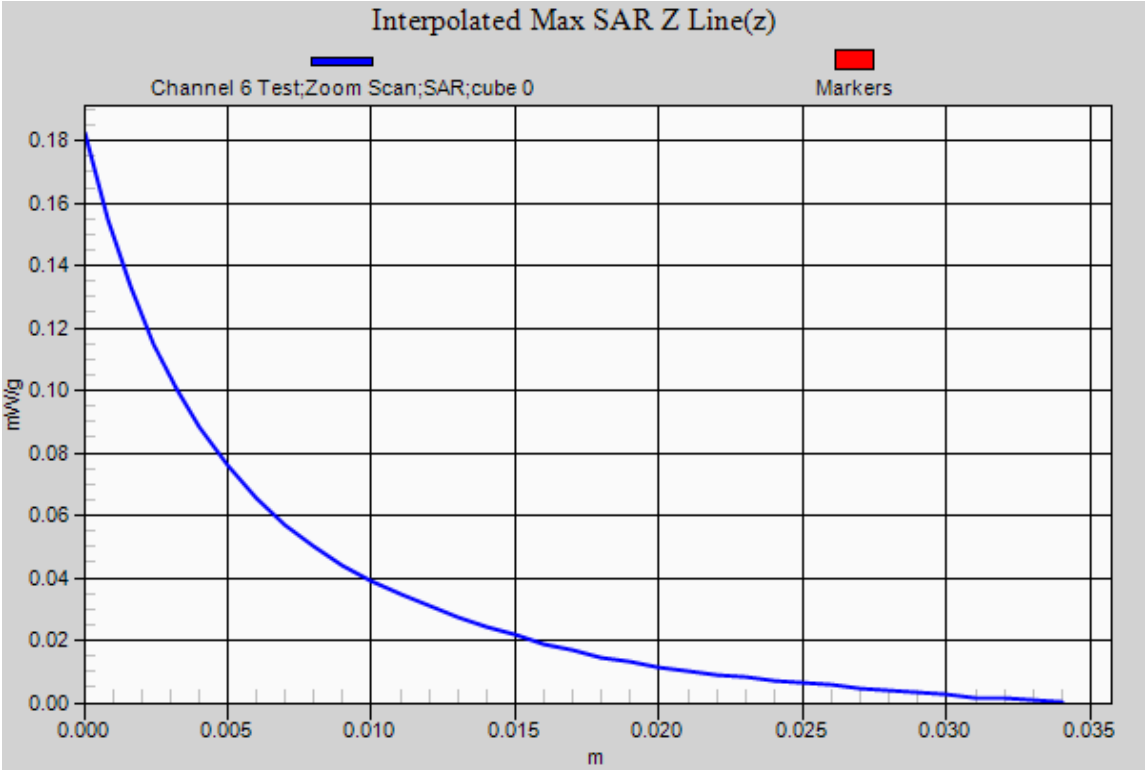
Reference Value = 3.311 V/m; Power Drift = 0.17 dB
Peak SAR (extrapolated) = 0.182 W/kg
SAR(1 g) = 0.079 mW/g; SAR(10 g) = 0.038 mW/g
Maximum value of SAR (measured) = 0.085 mW/g



0 dB = 0.090mW/g

SAR MEASUREMENT PLOT 9

Ambient Temperature	**20.9 Degrees Celsius**
Liquid Temperature	**20.7 Degrees Celsius**
Humidity	**53.0 %**



Test Date: 11 May 2011
File Name: M110361 Secondary Portrait OFDM 2.4 GHz Ant B 11-05-11.da52:0
DUT: Fujitsu Tablet Claw with Taylor Peak 11abgn; Type: 62205ANHMW; Serial: WFM: 001500647600

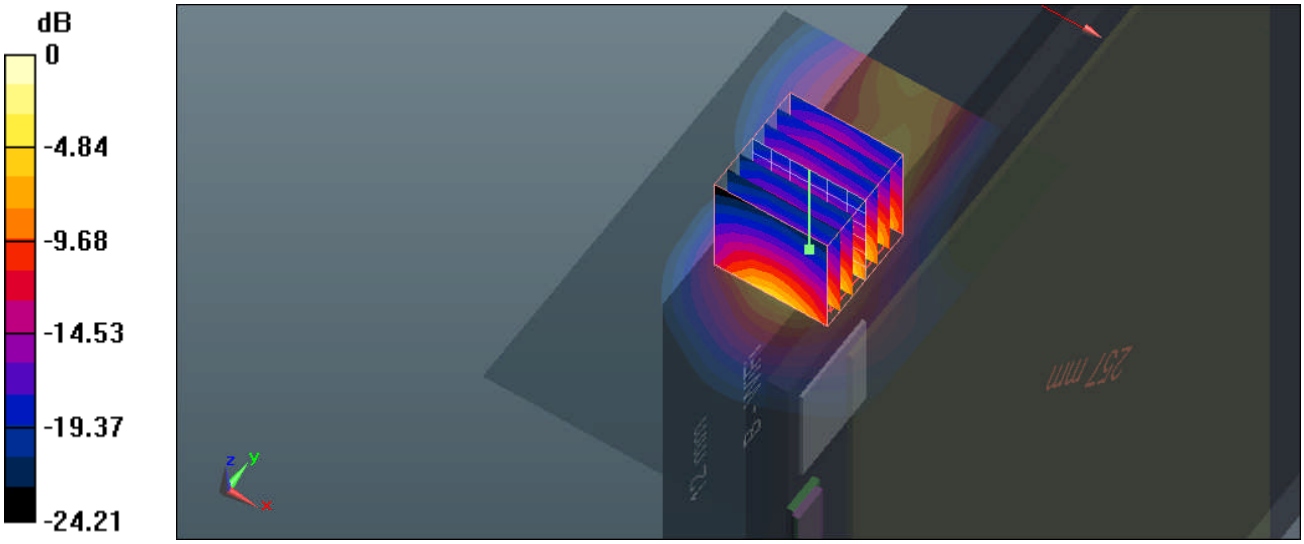
* Communication System: OFDM 2450 MHz 6 Mbs; Frequency: 2417 MHz; Duty Cycle: 1:12.9778
* Medium parameters used: f = 2416 MHz; σ = 1.935 mho/m; ε_r = 51.886; ρ = 1000 kg/m^3
- Electronics: DAE3 Sn442; Probe: ET3DV6 - SN1380; ConvF(4.09, 4.09, 4.09)
- Phantom: Flat Phantom 10.1; Serial: P 10.1; Phantom section: Flat 2.2 Section

Configuration/Channel 2 Test/Area Scan (51x81x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 1.707 mW/g

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

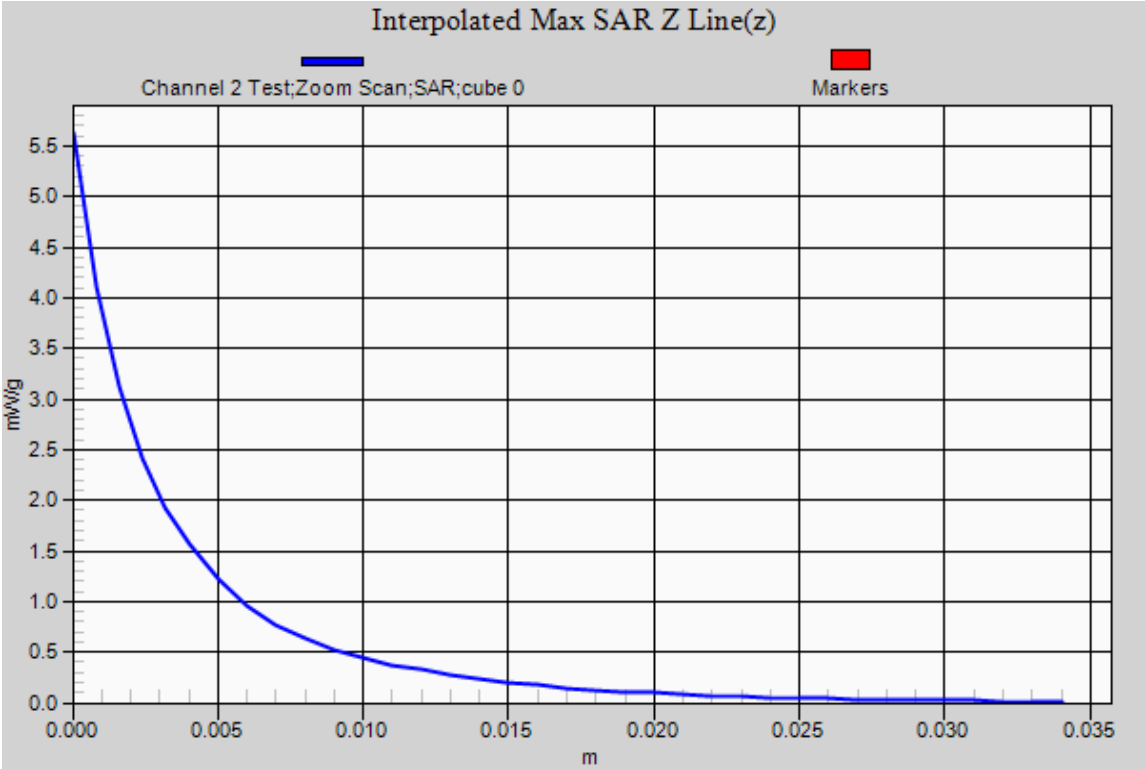
Reference Value = 16.406 V/m; Power Drift = 0.05 dB
Peak SAR (extrapolated) = 5.624 W/kg
SAR(1 g) = 1.48 mW/g; SAR(10 g) = 0.584 mW/g
Maximum value of SAR (measured) = 1.541 mW/g



0 dB = 1.540mW/g

SAR MEASUREMENT PLOT 10

Ambient Temperature	**20.9 Degrees Celsius**
Liquid Temperature	**20.7 Degrees Celsius**
Humidity	**53.0 %**



Test Date: 11 May 2011
File Name: M110361 Secondary Portrait OFDM 2.4 GHz Ant B 11-05-11.da52:0
DUT: Fujitsu Tablet Claw with Taylor Peak 11abgn; Type: 62205ANHMW; Serial: WFM: 001500647600

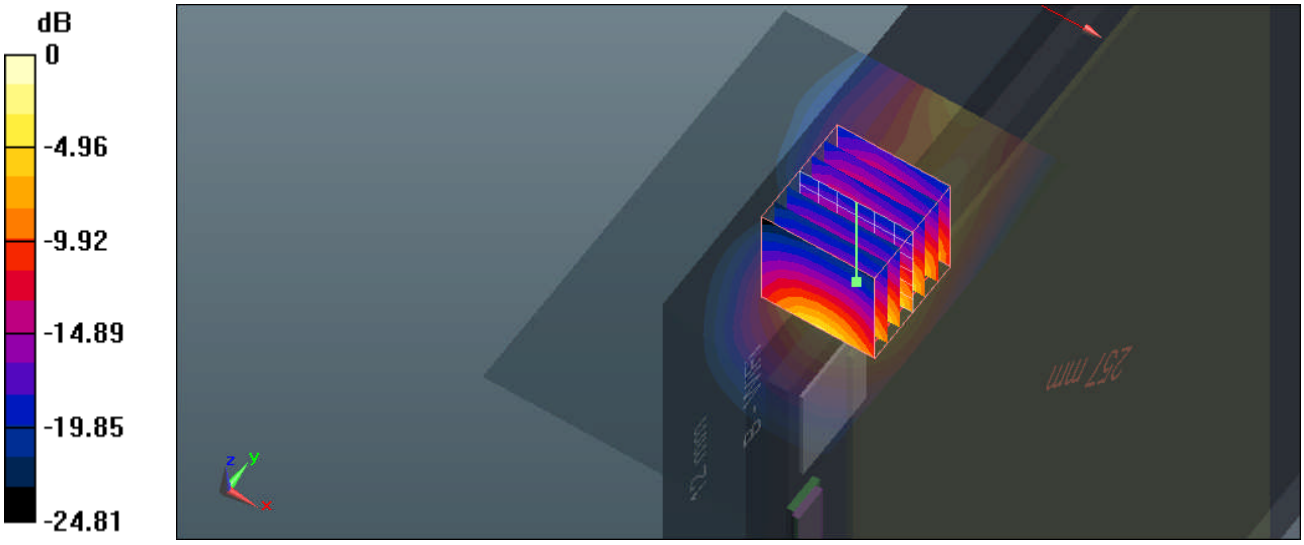
* Communication System: OFDM 2450 MHz 6 Mbs; Frequency: 2437 MHz; Duty Cycle: 1:12.9778
* Medium parameters used: f = 2436 MHz; σ = 1.958 mho/m; ε_r = 51.749; ρ = 1000 kg/m^3
- Electronics: DAE3 Sn442; Probe: ET3DV6 - SN1380; ConvF(4.09, 4.09, 4.09)
- Phantom: Flat Phantom 10.1; Serial: P 10.1; Phantom section: Flat 2.2 Section

Configuration/Channel 6 Test/Area Scan (51x81x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 1.075 mW/g

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

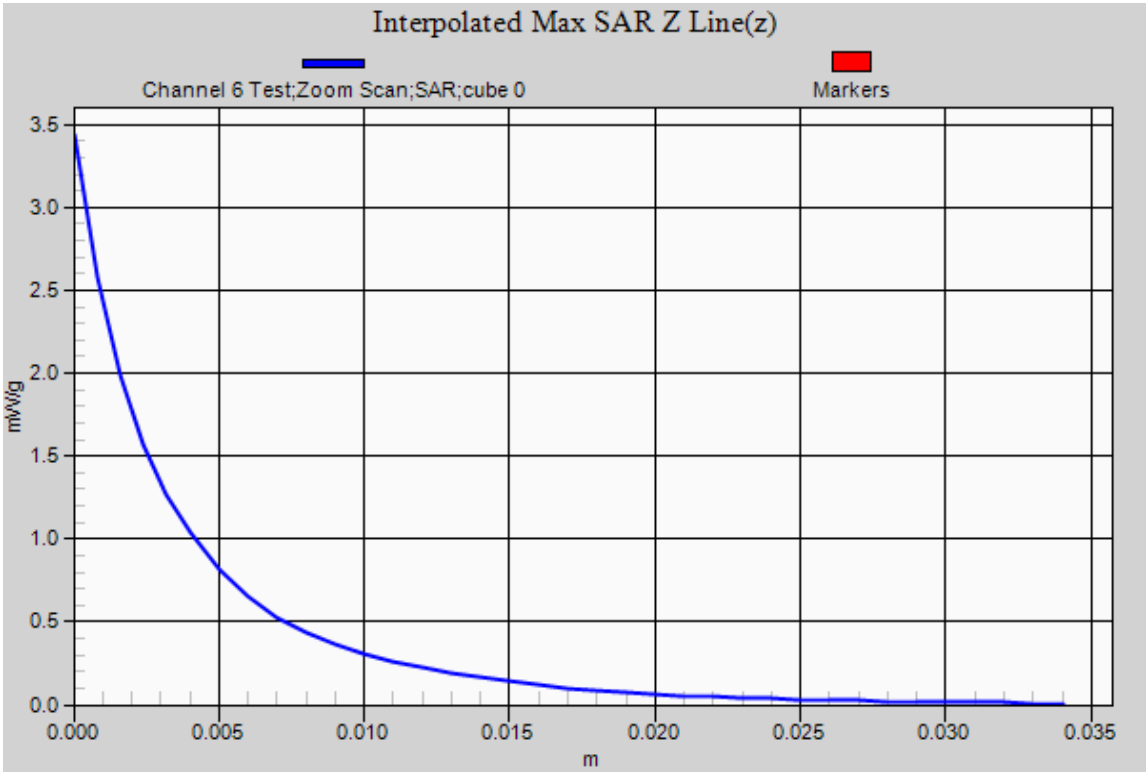
Reference Value = 5.659 V/m; Power Drift = -0.31 dB
Peak SAR (extrapolated) = 3.434 W/kg
SAR(1 g) = 0.971 mW/g; SAR(10 g) = 0.396 mW/g
Maximum value of SAR (measured) = 1.033 mW/g



0 dB = 1.030mW/g

SAR MEASUREMENT PLOT 11

Ambient Temperature	**20.9 Degrees Celsius**
Liquid Temperature	**20.7 Degrees Celsius**
Humidity	**53.0 %**



Test Date: 11 May 2011
File Name: M110361 Secondary Portrait OFDM 2.4 GHz Ant B 11-05-11.da52:0
DUT: Fujitsu Tablet Claw with Taylor Peak 11abgn; Type: 62205ANHMW; Serial: WFM: 001500647600

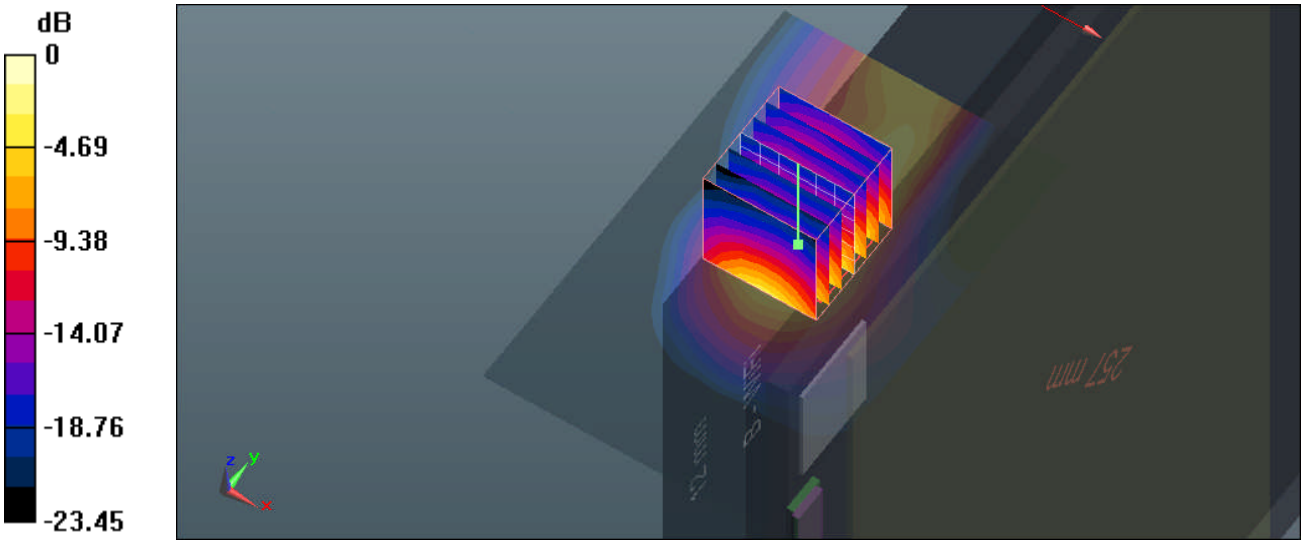
* Communication System: OFDM 2450 MHz 6 Mbs; Frequency: 2457 MHz; Duty Cycle: 1:12.9778
* Medium parameters used: f = 2456 MHz; σ = 1.983 mho/m; ε_r = 51.58; ρ = 1000 kg/m^3
- Electronics: DAE3 Sn442; Probe: ET3DV6 - SN1380; ConvF(4.09, 4.09, 4.09)
- Phantom: Flat Phantom 10.1; Serial: P 10.1; Phantom section: Flat 2.2 Section

Configuration/Channel 10 Test/Area Scan (51x81x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.792 mW/g

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

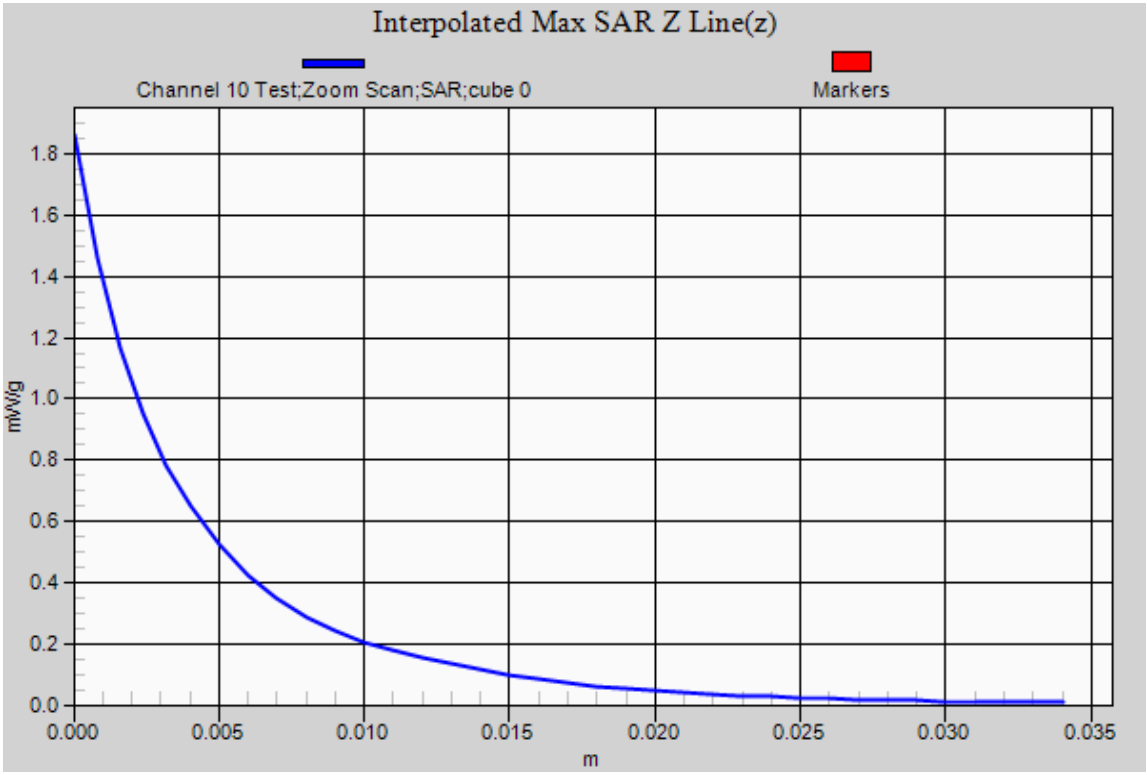
Reference Value = 13.126 V/m; Power Drift = -0.01 dB
Peak SAR (extrapolated) = 1.861 W/kg
SAR(1 g) = 0.593 mW/g; SAR(10 g) = 0.255 mW/g
Maximum value of SAR (measured) = 0.636 mW/g



0 dB = 0.640mW/g

SAR MEASUREMENT PLOT 12

Ambient Temperature	**20.9 Degrees Celsius**
Liquid Temperature	**20.7 Degrees Celsius**
Humidity	**53.0 %**



Test Date: 11 May 2011
File Name: System Check 2450 MHz 11-05-11.da52:0
DUT: Dipole 2450 MHz; Type: DV2450V2; Serial: 724

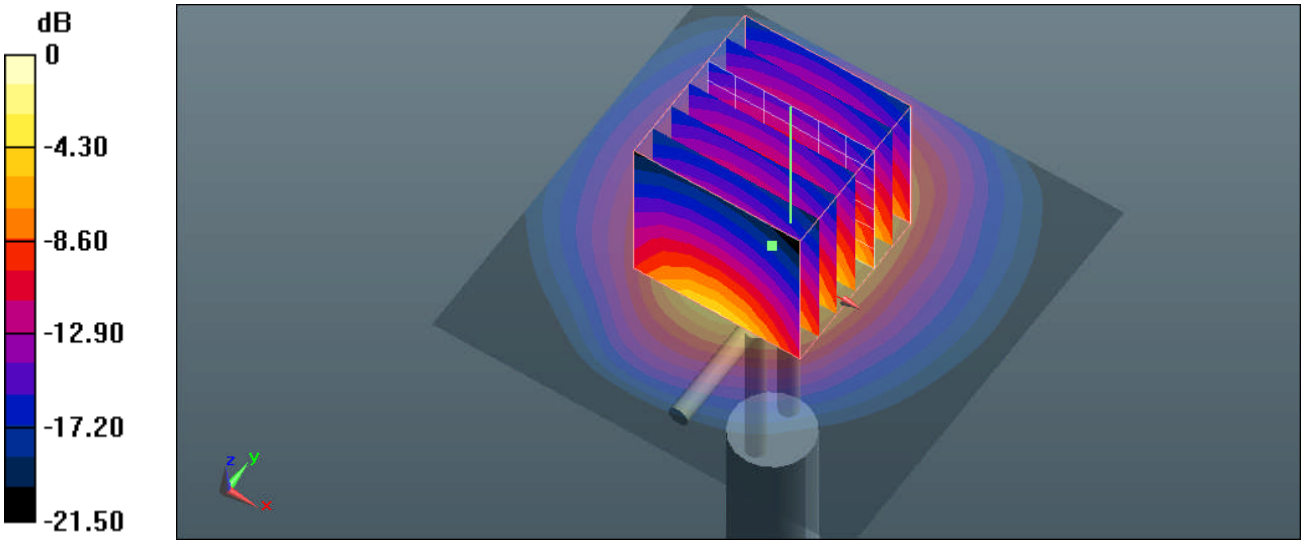
* Communication System: CW; Frequency: 2450 MHz; Duty Cycle: 1:1
* Medium parameters used: f = 2450 MHz; σ = 1.975 mho/m; ε_r = 51.635; ρ = 1000 kg/m^3
- Electronics: DAE3 Sn442; Probe: ET3DV6 - SN1380; ConvF(4.09, 4.09, 4.09)
- Phantom: Flat Phantom 10.1; Serial: P 10.1; Phantom section: Flat 2.2 Section

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

Maximum value of SAR (interpolated) = 18.361 mW/g

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

Reference Value = 93.699 V/m; Power Drift = 0.03 dB
Peak SAR (extrapolated) = 33.244 W/kg
SAR(1 g) = 15.1 mW/g; SAR(10 g) = 7.19 mW/g
Maximum value of SAR (measured) = 16.428 mW/g



0 dB = 16.430mW/g

SAR MEASUREMENT PLOT 13

Ambient Temperature	**20.9 Degrees Celsius**
Liquid Temperature	**20.7 Degrees Celsius**
Humidity	**53.0 %**