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. The spatial peak SAR values were assessed with the procedure described in this report.

Table: 2450 MHz DSSS Band SAR Measurement Plot Numbers

Test Position	Plot No.	Ant	Bit rate Mode (Mbps)	Channel Bandwidth (MHz)	Test Channel
Notebook Position	1	A	1	-	01
	2				06
	3				11

Table: 2450 MHz OFDM Band SAR Measurement Plot Numbers

Test Position	Plot No.	Ant	Bit rate Mode (Mbps)	Channel Bandwidth (MHz)	Test Channel
Notebook Position	4	A	6	-	06

Table: 2450MHz Validation Plot

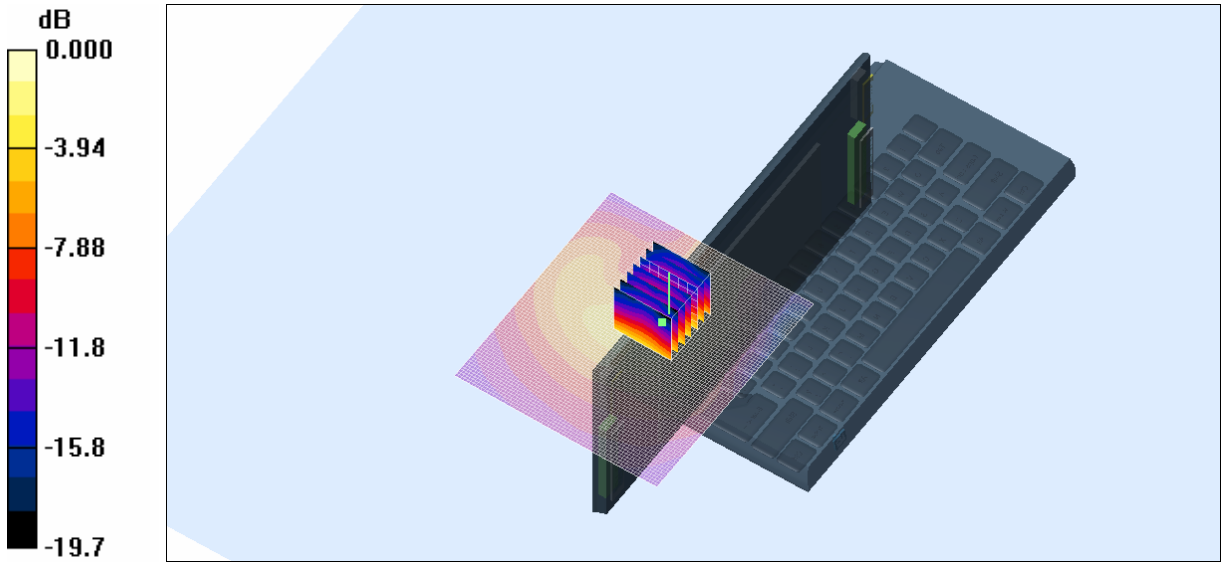
Plot 5	Validation 2450 MHz 23rd Oct. 2009

Test Date: 23 October 2009
File Name: M091027 Notebook Position DSSS 2.4 GHz Antenna A (1) 23-10-09.da4
DUT: Fujitsu Notebook with HB91 bgn; Type: AR5B91; Serial: ZX9936244

* Communication System: DSSS 2450 MHz; Frequency: 2412 MHz; Duty Cycle: 1:1
* Medium parameters used: f = 2410 MHz; σ = 1.94 mho/m; ε_r = 51.8; ρ = 1000 kg/m^3
- Electronics: DAE3 Sn442; Probe: ET3DV6 - SN1380; ConvF(3.96, 3.96, 3.96)
- Phantom: Flat Phantom 10.1; Serial: P 10.1; Phantom section: Flat 2.2 Section

Channel 1 Test/Area Scan (71x81x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.157 mW/g

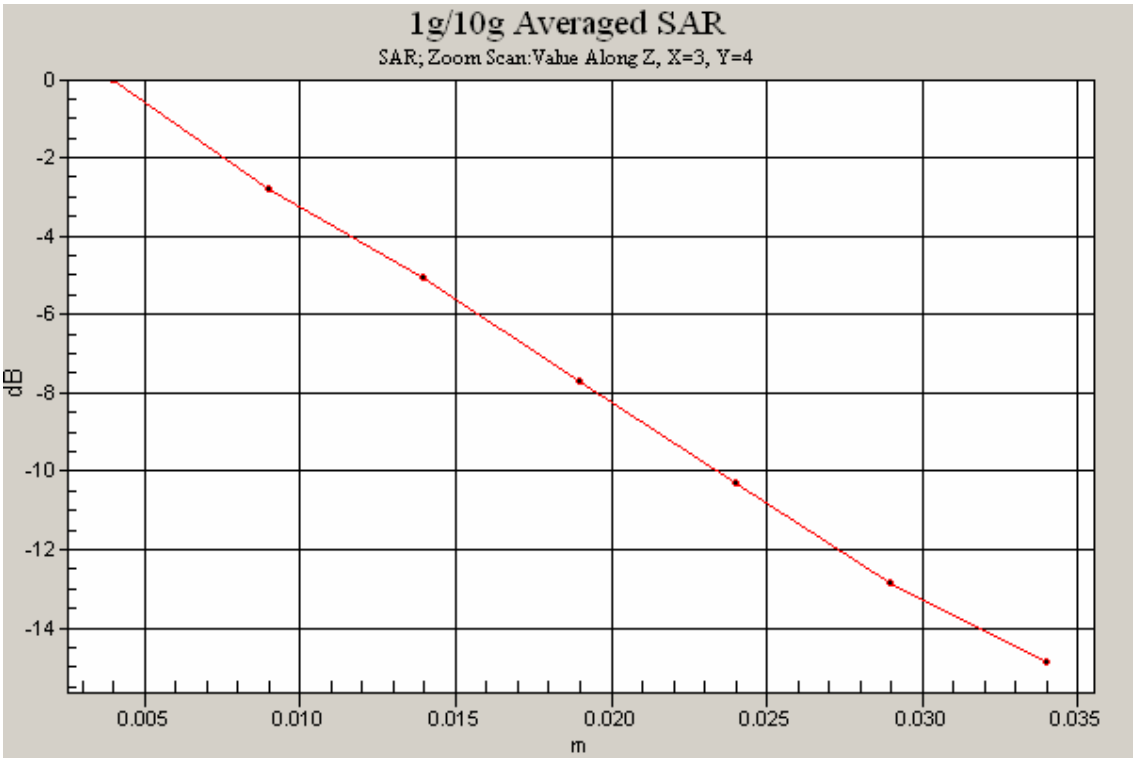
Channel 1 Test/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 6.00 V/m; Power Drift = -0.056 dB
Peak SAR (extrapolated) = 0.366 W/kg
SAR(1 g) = 0.169 mW/g; SAR(10 g) = 0.081 mW/g
Maximum value of SAR (measured) = 0.181 mW/g



0 dB = 0.181mW/g

SAR MEASUREMENT PLOT 1

Ambient Temperature	**19.6 Degrees Celsius**
Liquid Temperature	**19.5 Degrees Celsius**
Humidity	**52.0 %**

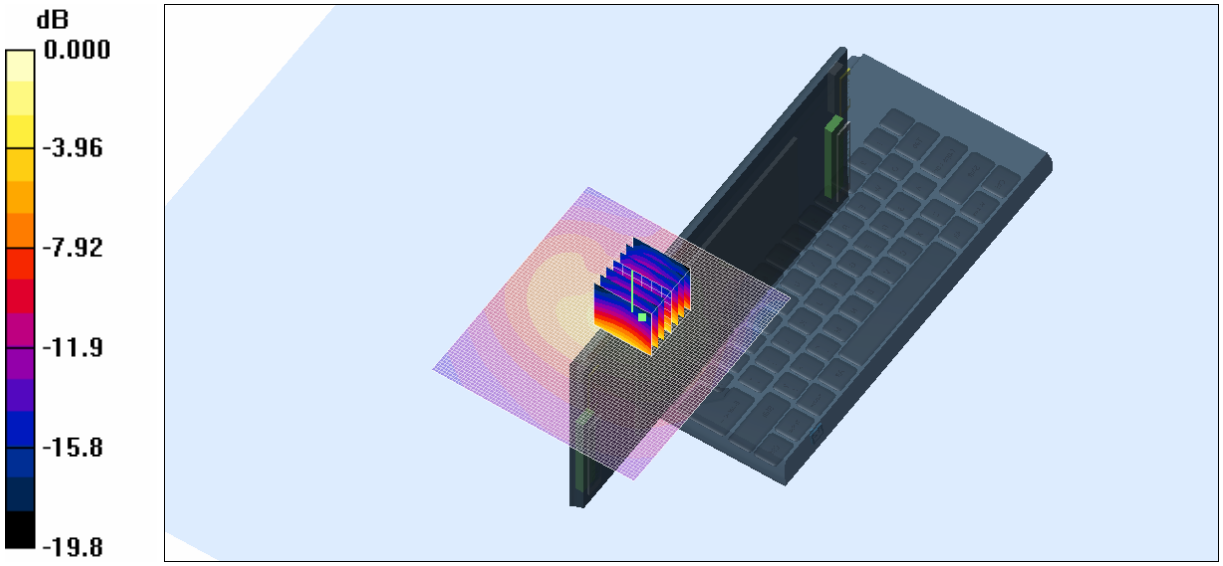


Test Date: 23 October 2009
File Name: M091027 Notebook Position DSSS 2.4 GHz Antenna A (1) 23-10-09.da4
DUT: Fujitsu Notebook with HB91 bgn; Type: AR5B91; Serial: ZX9936244

* Communication System: DSSS 2450 MHz; Frequency: 2437 MHz; Duty Cycle: 1:1
* Medium parameters used: f = 2438 MHz; σ = 1.98 mho/m; ε_r = 51.7; ρ = 1000 kg/m^3
- Electronics: DAE3 Sn442; Probe: ET3DV6 - SN1380; ConvF(3.96, 3.96, 3.96)
- Phantom: Flat Phantom 10.1; Serial: P 10.1; Phantom section: Flat 2.2 Section

Channel 6 Test/Area Scan (71x81x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.352 mW/g

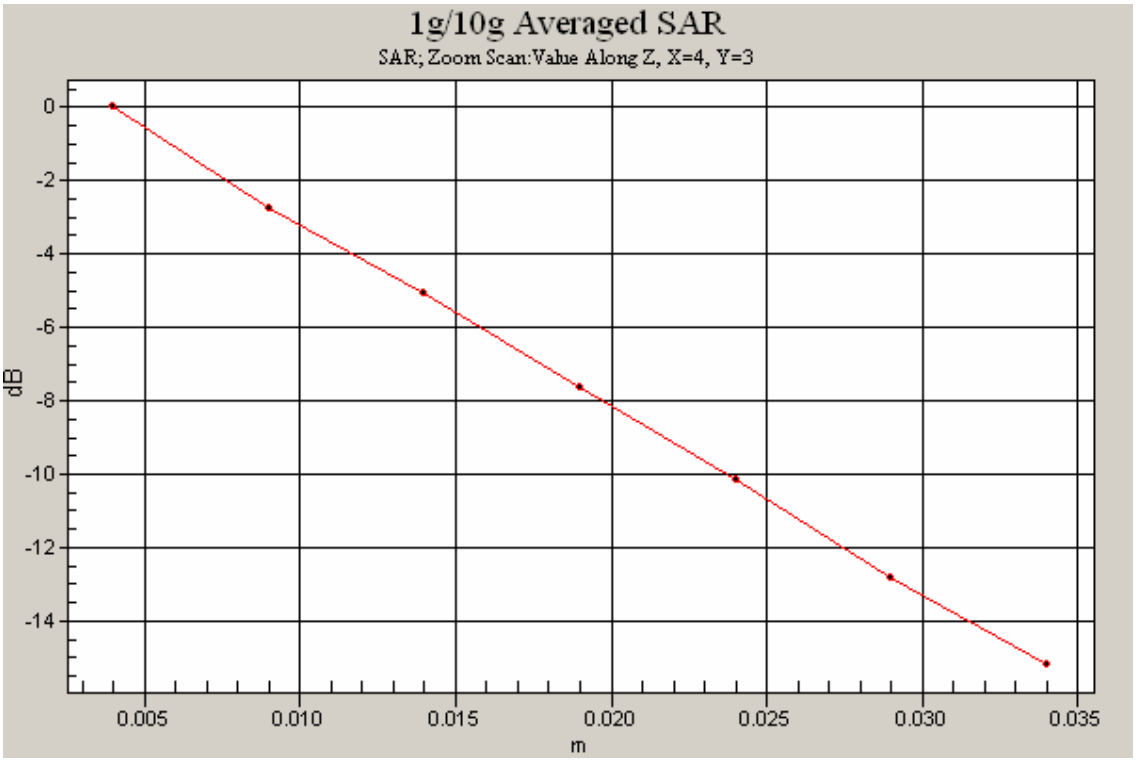
Channel 6 Test/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 7.71 V/m; Power Drift = -0.047 dB
Peak SAR (extrapolated) = 0.798 W/kg
SAR(1 g) = 0.368 mW/g; SAR(10 g) = 0.179 mW/g
Maximum value of SAR (measured) = 0.395 mW/g



0 dB = 0.395mW/g

SAR MEASUREMENT PLOT 2

Ambient Temperature	**19.6 Degrees Celsius**
Liquid Temperature	**19.5 Degrees Celsius**
Humidity	**52.0 %**

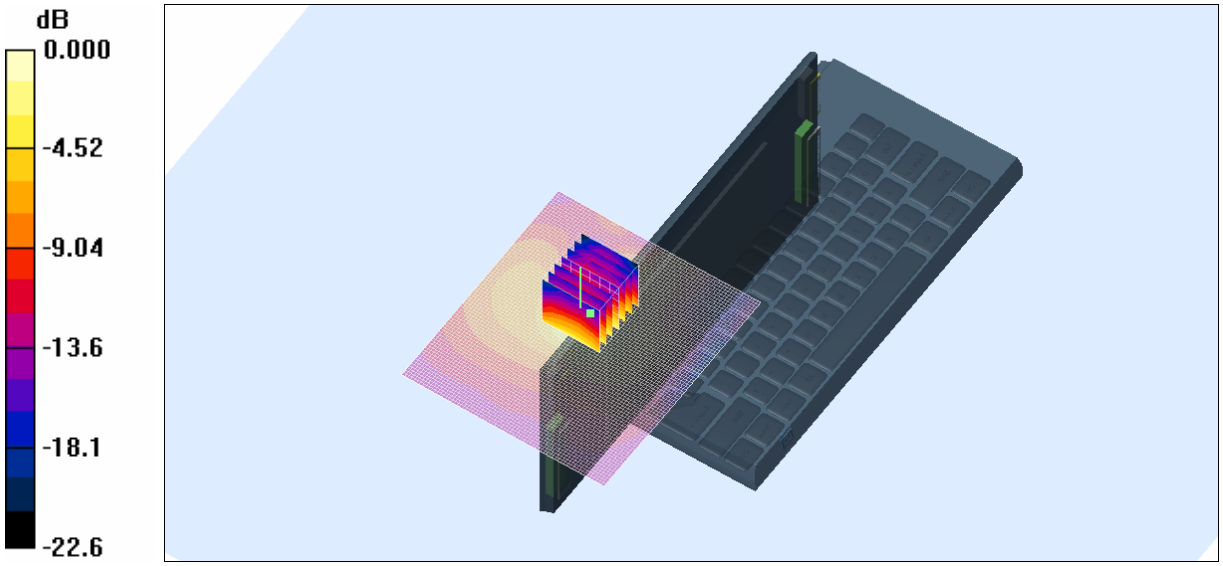


Test Date: 23 October 2009
File Name: M091027 Notebook Position DSSS 2.4 GHz Antenna A (1) 23-10-09.da4
DUT: Fujitsu Notebook with HB91 bgn; Type: AR5B91; Serial: ZX9936244

* Communication System: DSSS 2450 MHz; Frequency: 2462 MHz; Duty Cycle: 1:1
* Medium parameters used: f = 2462 MHz; σ = 2.01 mho/m; ε_r = 51.6; ρ = 1000 kg/m^3
- Electronics: DAE3 Sn442; Probe: ET3DV6 - SN1380; ConvF(3.96, 3.96, 3.96)
- Phantom: Flat Phantom 10.1; Serial: P 10.1; Phantom section: Flat 2.2 Section

Channel 11 Test/Area Scan (71x81x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.208 mW/g

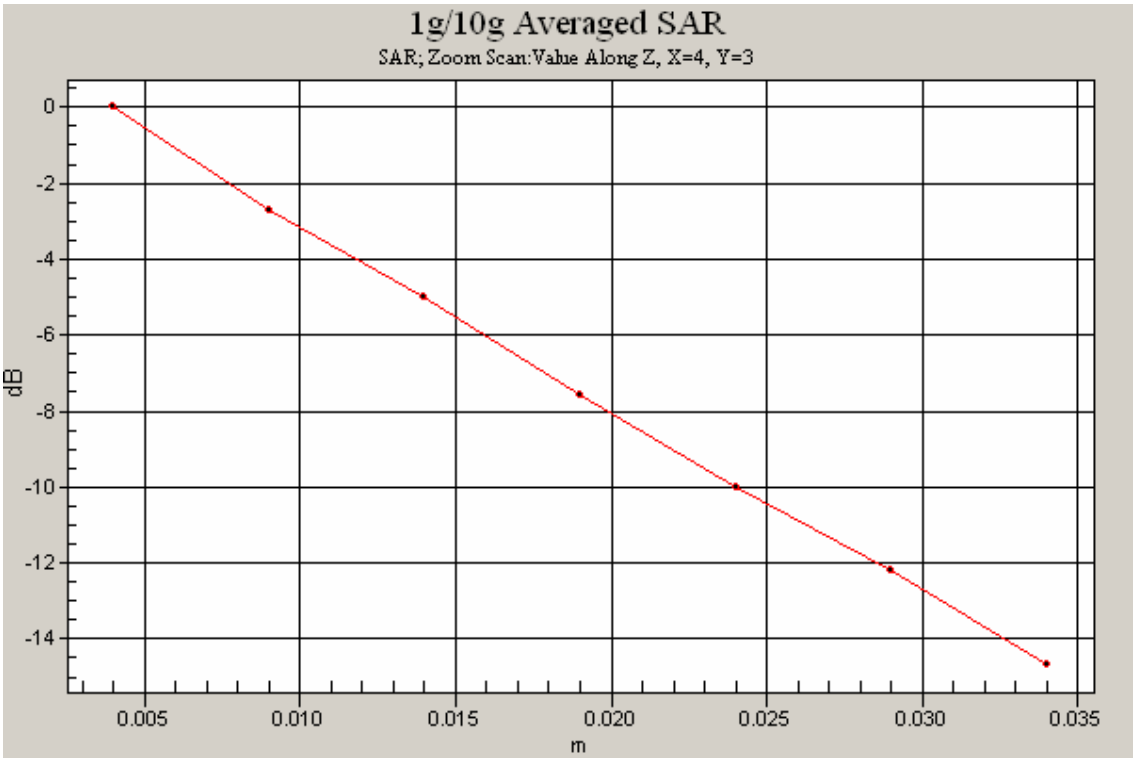
Channel 11 Test/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 5.80 V/m; Power Drift = -0.044 dB
Peak SAR (extrapolated) = 0.388 W/kg
SAR(1 g) = 0.179 mW/g; SAR(10 g) = 0.089 mW/g
Maximum value of SAR (measured) = 0.191 mW/g



0 dB = 0.191mW/g

SAR MEASUREMENT PLOT 3

Ambient Temperature	**19.6 Degrees Celsius**
Liquid Temperature	**19.5 Degrees Celsius**
Humidity	**52.0 %**

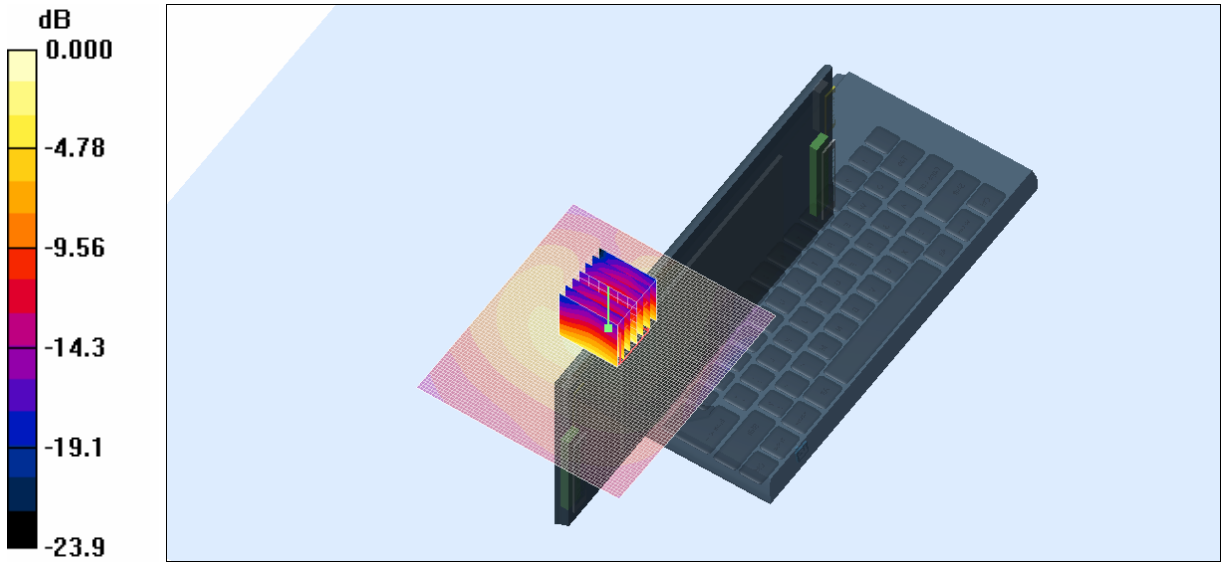


Test Date: 23 October 2009
File Name: M091027 Notebook Position OFDM 2.4 GHz Antenna A (1) 23-10-09.da4
DUT: Fujitsu Notebook with HB91 bgn; Type: AR5B91; Serial: ZX9936244

* Communication System: OFDM 2450 MHz; Frequency: 2437 MHz; Duty Cycle: 1:1
* Medium parameters used: f = 2438 MHz; σ = 1.98 mho/m; ε_r = 51.7; ρ = 1000 kg/m^3
- Electronics: DAE3 Sn442; Probe: ET3DV6 - SN1380; ConvF(3.96, 3.96, 3.96)
- Phantom: Flat Phantom 10.1; Serial: P 10.1; Phantom section: Flat 2.2 Section

Channel 6 Test/Area Scan (71x81x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.354 mW/g

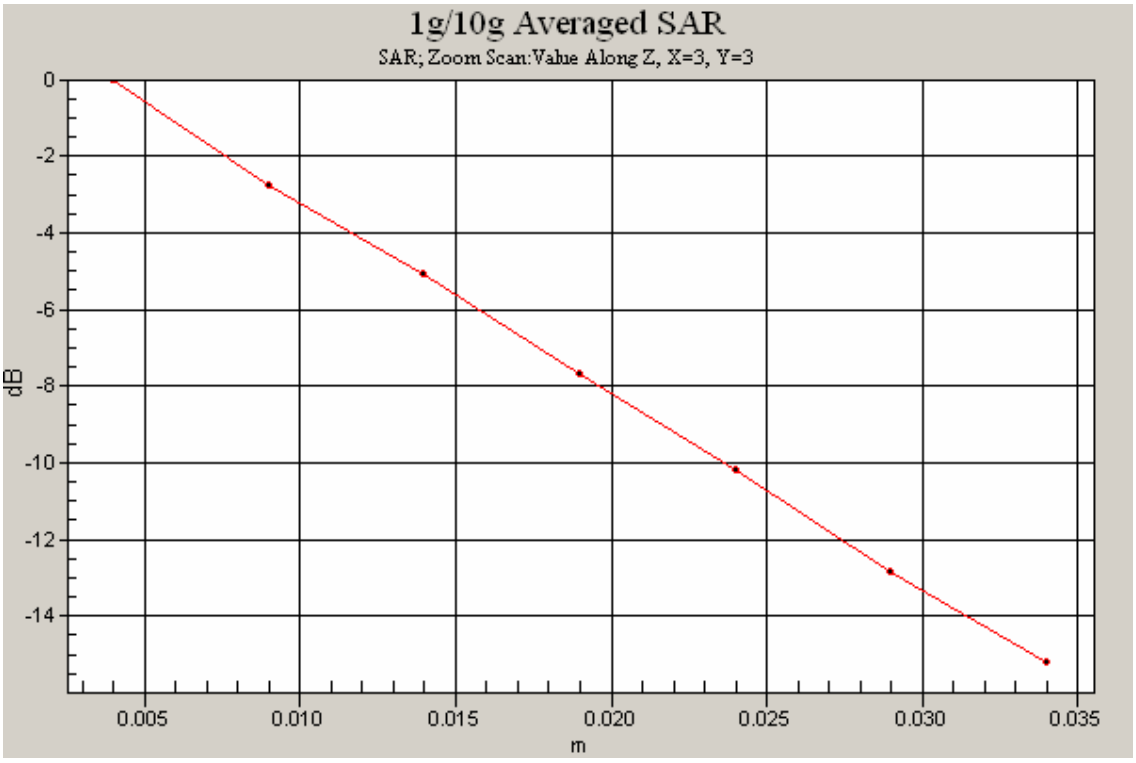
Channel 6 Test/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 8.29 V/m; Power Drift = 0.028 dB
Peak SAR (extrapolated) = 0.726 W/kg
SAR(1 g) = 0.334 mW/g; SAR(10 g) = 0.164 mW/g
Maximum value of SAR (measured) = 0.366 mW/g



0 dB = 0.366mW/g

SAR MEASUREMENT PLOT 4

Ambient Temperature	**19.6 Degrees Celsius**
Liquid Temperature	**19.5 Degrees Celsius**
Humidity	**52.0 %**

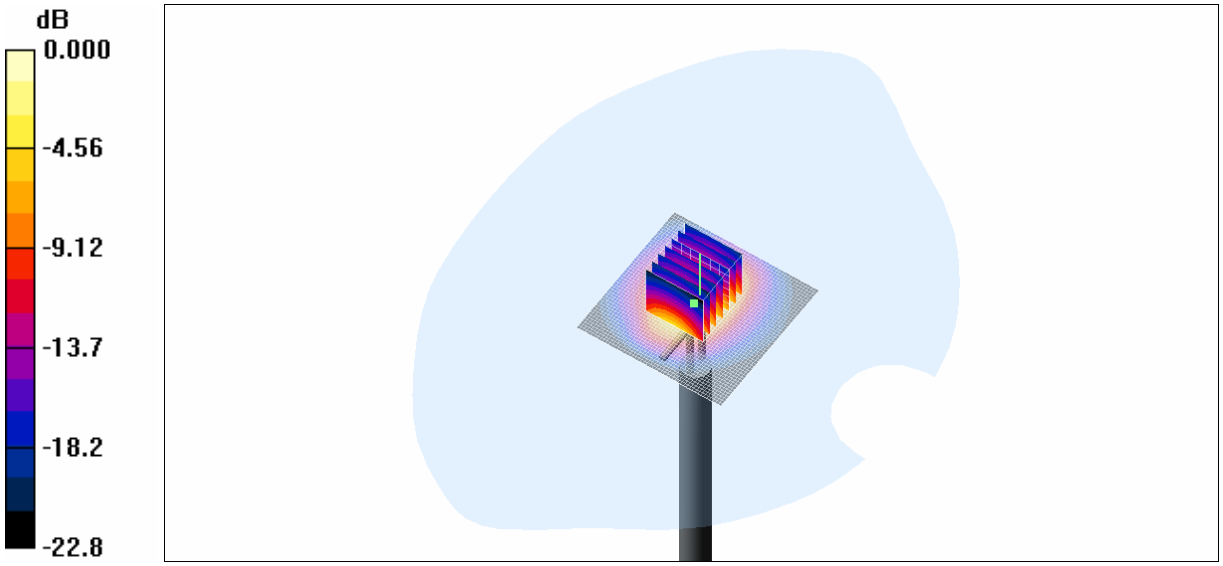


Test Date: 23 October 2009
File Name: Validation 2450 MHz (DAE442 Probe1380) 23-10-09.da4
DUT: Dipole 2450 MHz; Type: DV2450V2; Serial: 724

* Communication System: CW 2450 MHz; Frequency: 2450 MHz; Duty Cycle: 1:1
* Medium parameters used: f = 2450 MHz; σ = 1.86 mho/m; ε_r = 38.5; ρ = 1000 kg/m^3
- Electronics: DAE3 Sn442; Probe: ET3DV6 - SN1380; ConvF(4.52, 4.52, 4.52)
- Phantom: SAM 22; Serial: 1260; Phantom section: Flat Section

Channel 1 Test/Area Scan (51x51x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 17.1 mW/g

Channel 1 Test/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 93.1 V/m; Power Drift = 0.032 dB
Peak SAR (extrapolated) = 29.2 W/kg
SAR(1 g) = 13.3 mW/g; SAR(10 g) = 6.14 mW/g
Maximum value of SAR (measured) = 14.4 mW/g



0 dB = 14.4mW/g

SAR MEASUREMENT PLOT 5

Ambient Temperature	**19.6 Degrees Celsius**
Liquid Temperature	**19.5 Degrees Celsius**
Humidity	**52.0 %**