

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 Band SAR Measurement Plot Numbers

Test Position	Plot No.	Ant.	Mod. Type	Bit rate Mode (Mbps)	Channel Bandwidth (MHz)	Test Channel
Primary Portrait	1	A	DSSS	1	-	01
	2	A	DSSS	1	-	06
	3	A	DSSS	1	-	11
	4	A	OFDM	-	20	06
	5	A	OFDM	-	40	06
	6	A	OFDM	6	-	06
	7	C	DSSS	1	-	06
Secondary Landscape	8	A	DSSS	1	-	06
	9	B	DSSS	1	-	06
Tablet	10	A	DSSS	1	-	06
	11	B	DSSS	1	-	06
	-	C	DSSS	1	-	06
Primary Landscape	12	C	DSSS	1	-	01
	13	C	DSSS	1	-	06
	14	C	DSSS	1	-	11

Table: 2450 MHz Bluetooth SAR Measurement Plot Numbers

Test Position	Plot No.	Ant	Mod. Type	Bit rate Mode (Mbps)	Channel Bandwidth (MHz)	Test Channel
Tablet	-	-	FHSS	-	-	40
Primary Landscape	-	-	FHSS	-	-	40

Table: 2450MHz Validation Plot

Plot 15	Validation 2450 MHz 10 th August 2009
Plot 16	Validation 2450 MHz 11 th August 2009
Plot 17	Validation 2450 MHz 12 th August 2009
Plot 18	Validation 2450 MHz 17 th August 2009



Test Date: 10 August 2009

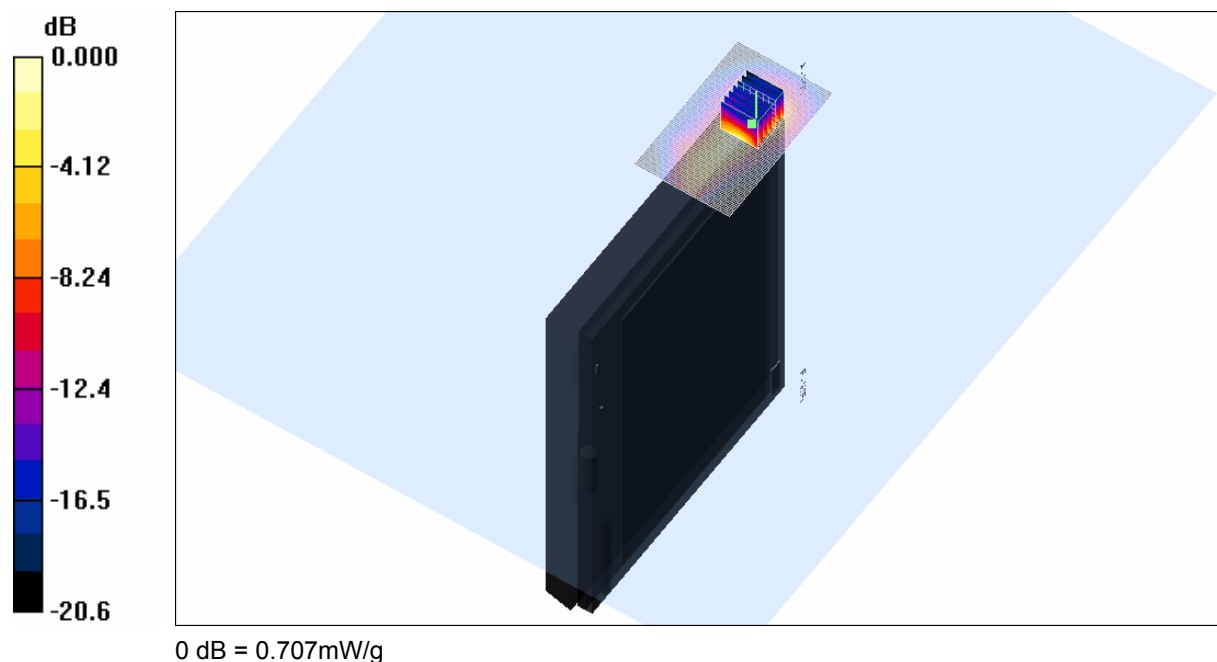
File Name: M090733 Primary Portrait DSSS 2.4 GHz Antenna A (1) 10-08-09.da4

DUT: Fujitsu Tablet Chaldea with SP 11abgn; Type: 533AN_HMW; Serial: MAC: 00216A555390

- * Communication System: DSSS 2450 MHz; Frequency: 2412 MHz; Duty Cycle: 1:1
- * Medium parameters used: $f = 2410$ MHz; $\sigma = 1.91$ mho/m; $\epsilon_r = 52.2$; $\rho = 1000$ kg/m³
- 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 (51x81x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.737 mW/g

Channel 1 Test/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 16.7 V/m; Power Drift = 0.091 dB
Peak SAR (extrapolated) = 1.74 W/kg
SAR(1 g) = 0.604 mW/g; SAR(10 g) = 0.267 mW/g
Maximum value of SAR (measured) = 0.707 mW/g



SAR MEASUREMENT PLOT 1

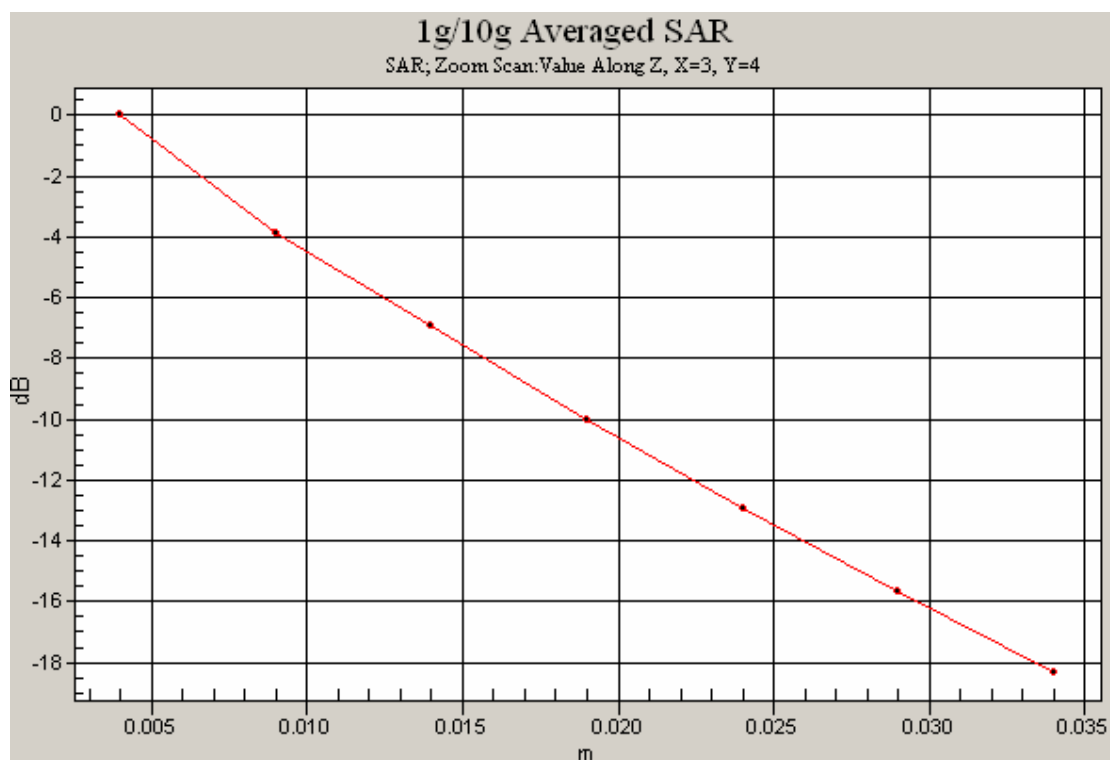
Ambient Temperature
Liquid Temperature
Humidity

20.8 Degrees Celsius
20.6 Degrees Celsius
46.0 %



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Test Date: 10 August 2009

File Name: M090733 Primary Portrait DSSS 2.4 GHz Antenna A (1) 10-08-09.da4

DUT: **Fujitsu Tablet Chaldea with SP 11abgn; Type: 533AN_HMW; Serial: MAC: 00216A555390**

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

* Medium parameters used: $f = 2438$ MHz; $\sigma = 1.96$ mho/m; $\epsilon_r = 52$; $\rho = 1000$ kg/m³

- 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 (51x81x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.767 mW/g

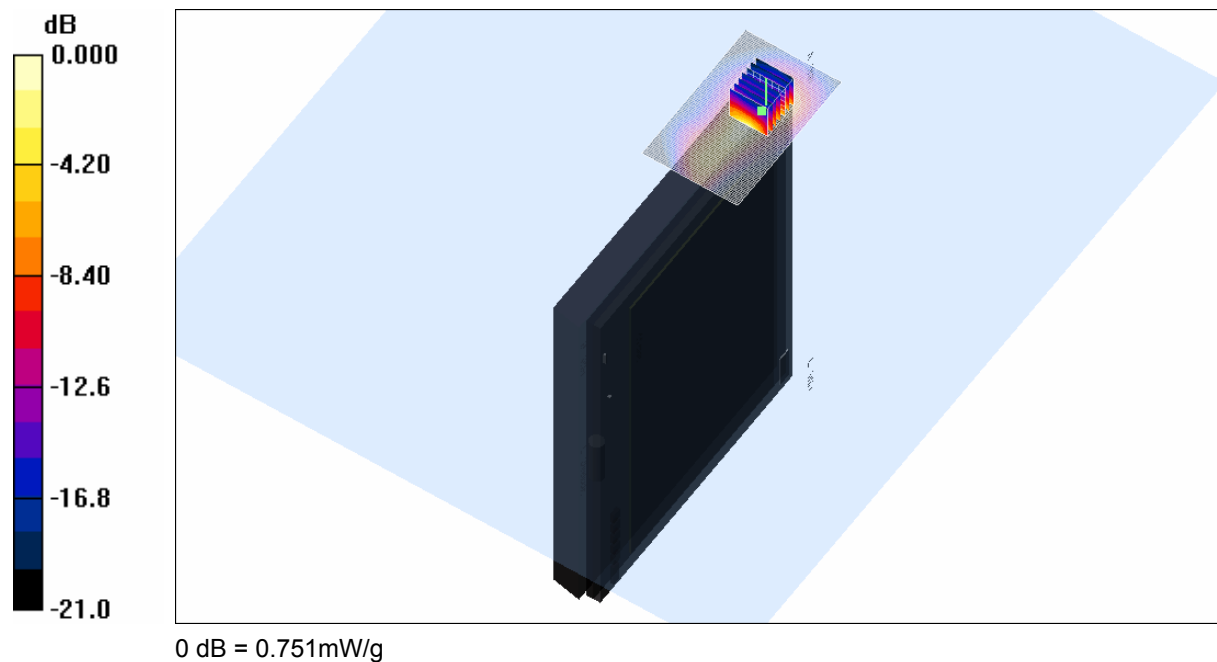
Channel 6 Test/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 17.2 V/m; Power Drift = 0.103 dB

Peak SAR (extrapolated) = 1.84 W/kg

SAR(1 g) = 0.641 mW/g; SAR(10 g) = 0.283 mW/g

Maximum value of SAR (measured) = 0.751 mW/g



SAR MEASUREMENT PLOT 2

Ambient Temperature

20.8 Degrees Celsius

Liquid Temperature

20.6 Degrees Celsius

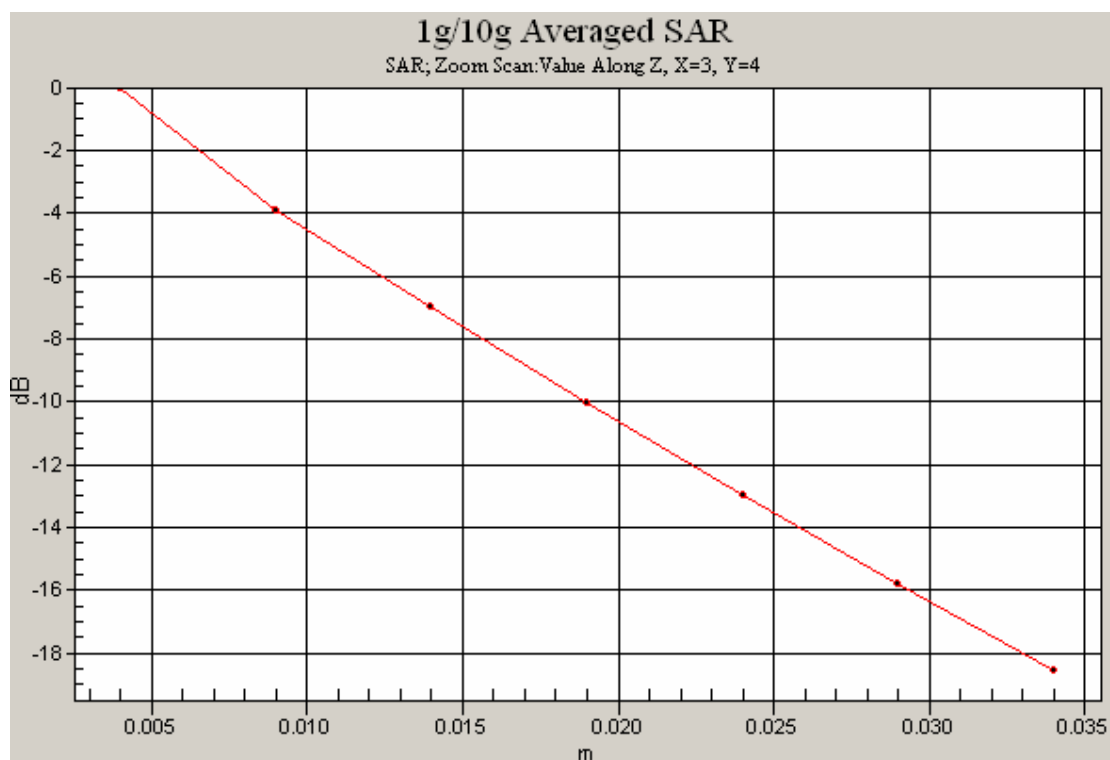
Humidity

46.0 %



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Test Date: 17 August 2009

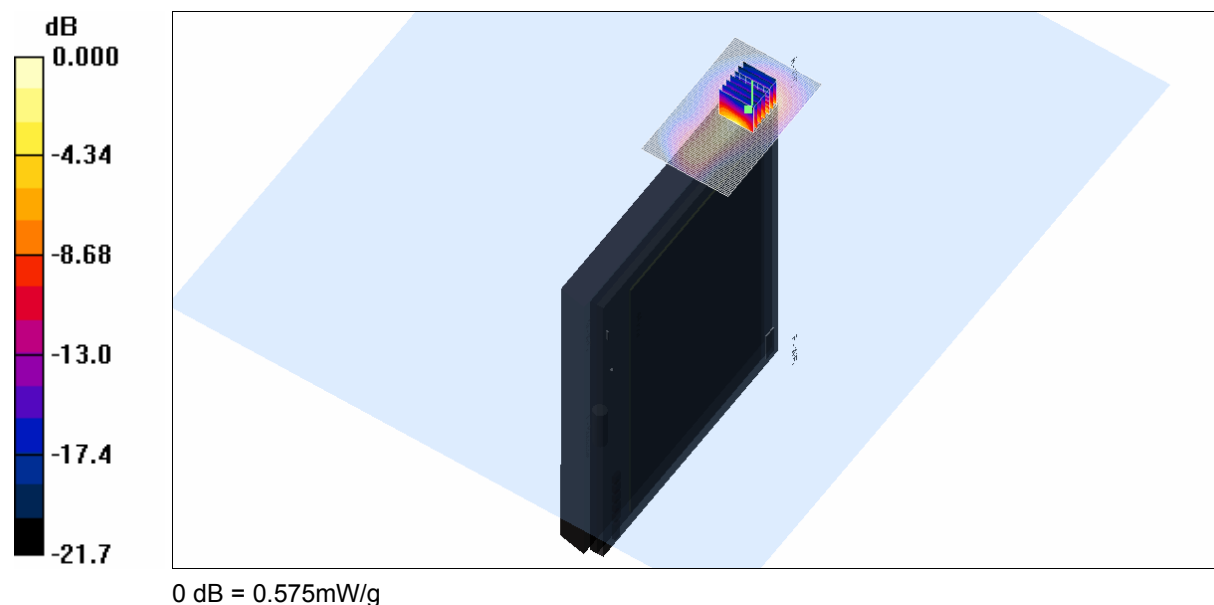
File Name: M090733 Primary Portrait DSSS 2.4 GHz Antenna A (1) 17-08-09.da4

DUT: Fujitsu Tablet Chaldea with SP 11abgn; Type: 533AN_HMW; Serial: MAC: 00216A555390

- * Communication System: DSSS 2450 MHz; Frequency: 2462 MHz; Duty Cycle: 1:1
- * Medium parameters used: $f = 2462$ MHz; $\sigma = 2.02$ mho/m; $\epsilon_r = 51.2$; $\rho = 1000$ kg/m³
- 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 (51x81x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.548 mW/g

Channel 11 Test/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 13.8 V/m; Power Drift = 0.080 dB
Peak SAR (extrapolated) = 1.46 W/kg
SAR(1 g) = 0.482 mW/g; SAR(10 g) = 0.204 mW/g
Maximum value of SAR (measured) = 0.575 mW/g



SAR MEASUREMENT PLOT 3

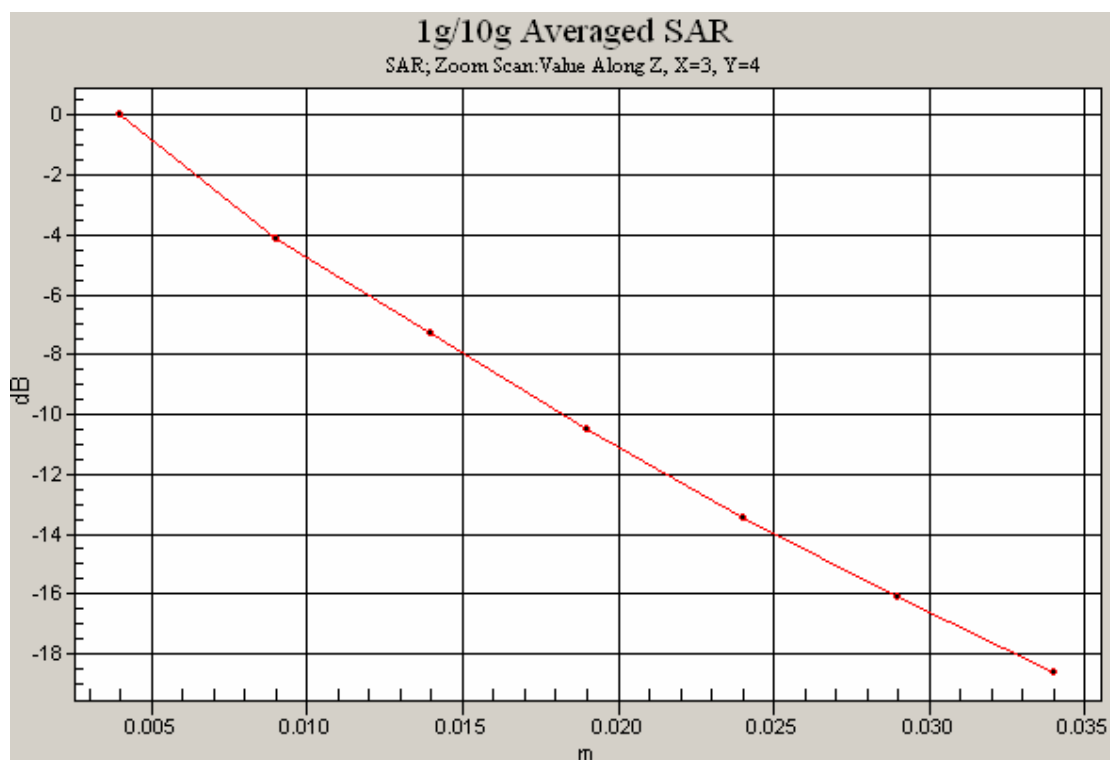
Ambient Temperature
Liquid Temperature
Humidity

20.7 Degrees Celsius
20.6 Degrees Celsius
40.0 %



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Test Date: 10 August 2009

File Name: M090733 Primary Portrait MCS0-20MHz 2.4 GHz Antenna A (1) 10-08-09.da4

DUT: **Fujitsu Tablet Chaldea with SP 11abgn; Type: 533AN_HMW; Serial: MAC: 00216A555390**

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

* Medium parameters used: $f = 2438$ MHz; $\sigma = 1.96$ mho/m; $\epsilon_r = 52$; $\rho = 1000$ kg/m³

- 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 (51x81x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.445 mW/g

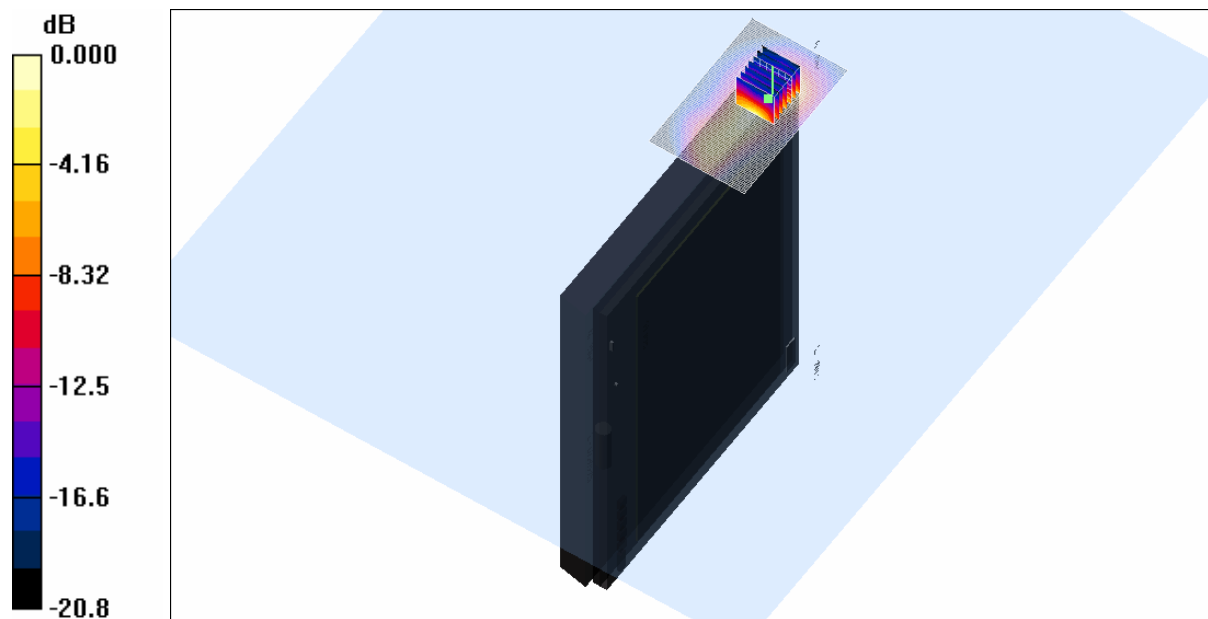
Channel 6 Test/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 13.2 V/m; Power Drift = -0.036 dB

Peak SAR (extrapolated) = 1.06 W/kg

SAR(1 g) = 0.370 mW/g; SAR(10 g) = 0.164 mW/g

Maximum value of SAR (measured) = 0.431 mW/g



SAR MEASUREMENT PLOT 4

Ambient Temperature

20.8 Degrees Celsius

Liquid Temperature

20.6 Degrees Celsius

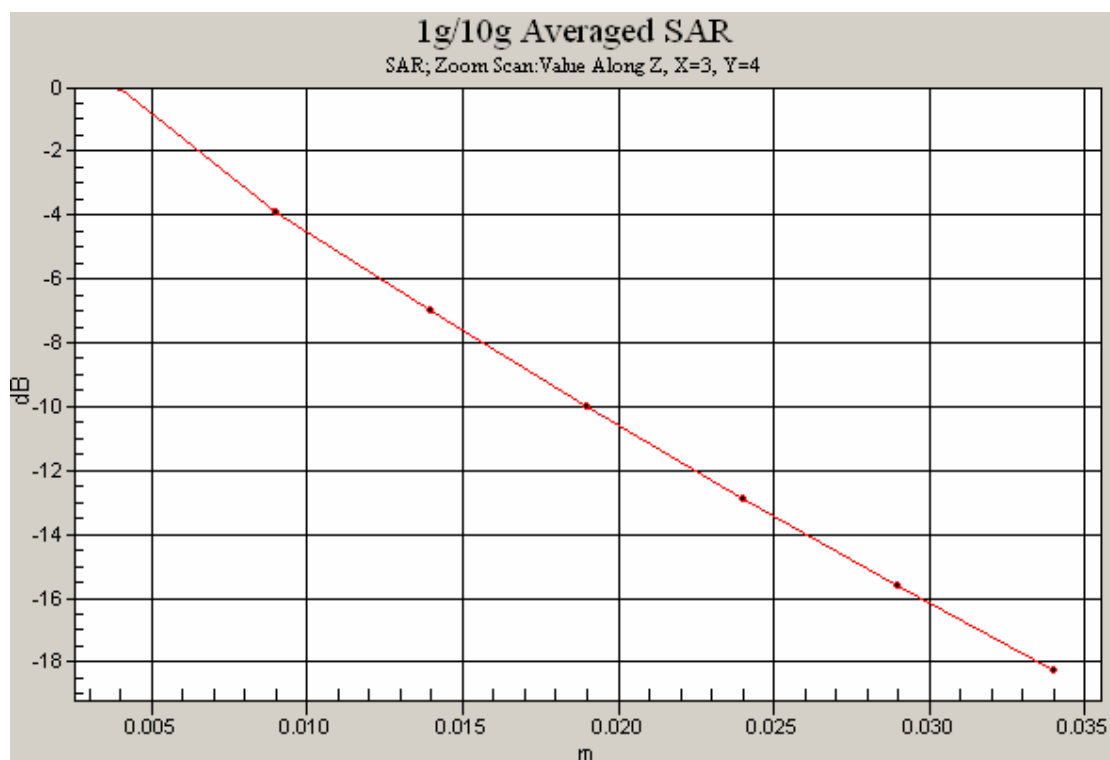
Humidity

46.0 %



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Test Date: 10 August 2009

File Name: M090733 Primary Portrait MCS0-40MHz 2.4 GHz Antenna A (1) 10-08-09.da4

DUT: Fujitsu Tablet Chaldea with SP 11abgn; Type: 533AN_HMW; Serial: MAC: 00216A555390

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

* Medium parameters used: $f = 2438$ MHz; $\sigma = 1.96$ mho/m; $\epsilon_r = 52$; $\rho = 1000$ kg/m³

- 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 (51x81x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.468 mW/g

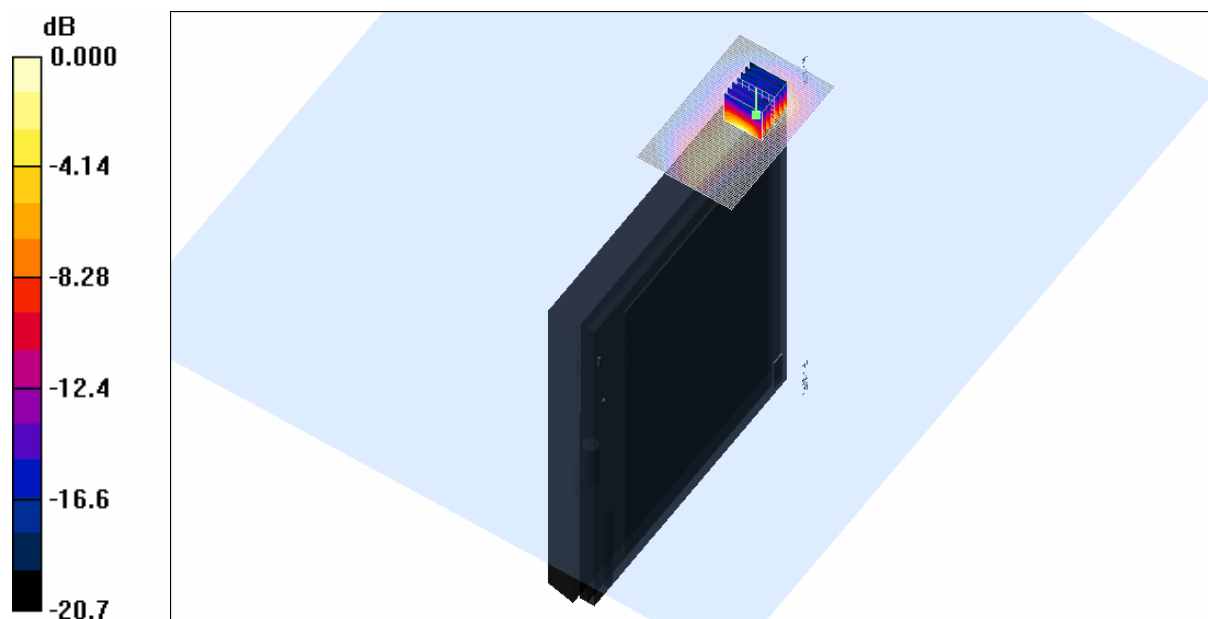
Channel 6 Test/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 13.4 V/m; Power Drift = -0.005 dB

Peak SAR (extrapolated) = 1.12 W/kg

SAR(1 g) = 0.392 mW/g; SAR(10 g) = 0.174 mW/g

Maximum value of SAR (measured) = 0.453 mW/g



SAR MEASUREMENT PLOT 5

Ambient Temperature

20.8 Degrees Celsius

Liquid Temperature

20.6 Degrees Celsius

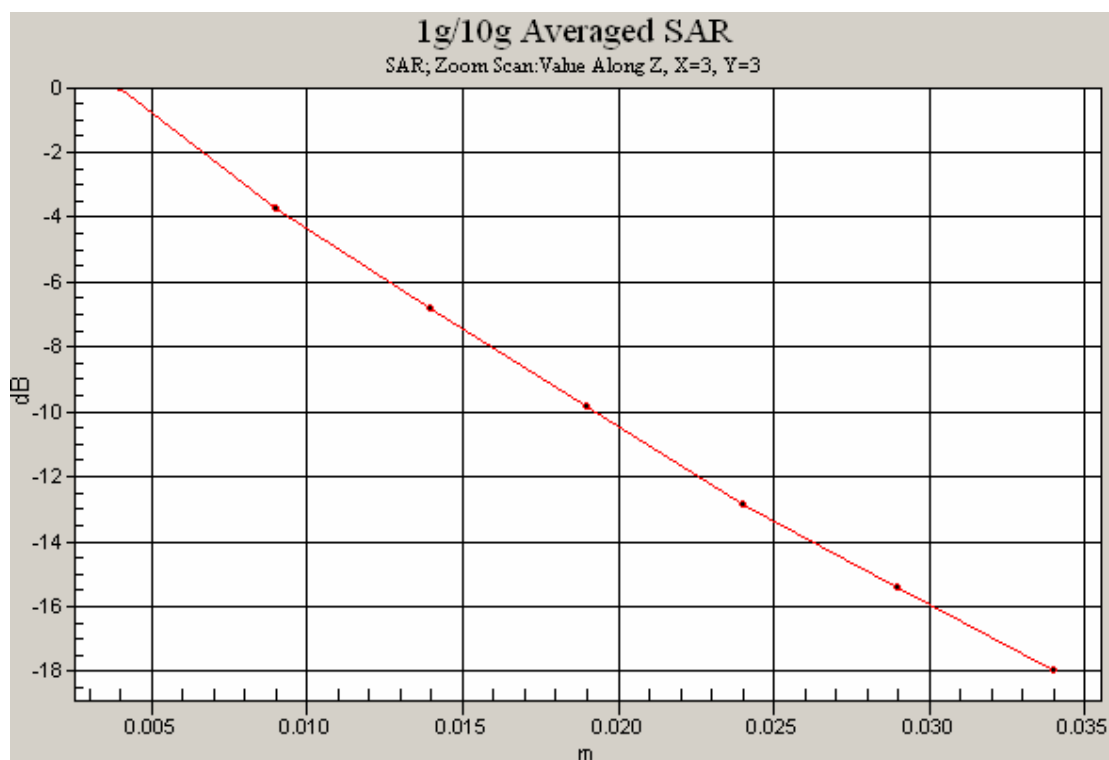
Humidity

46.0 %



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Test Date: 10 August 2009

File Name: M090733 Primary Portrait OFDM 2.4 GHz Antenna A (1) 10-08-09.da4

DUT: **Fujitsu Tablet Chaldea with SP 11abgn; Type: 533AN_HMW; Serial: MAC: 00216A555390**

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

* Medium parameters used: $f = 2438$ MHz; $\sigma = 1.96$ mho/m; $\epsilon_r = 52$; $\rho = 1000$ kg/m³

- 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 (51x81x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.452 mW/g

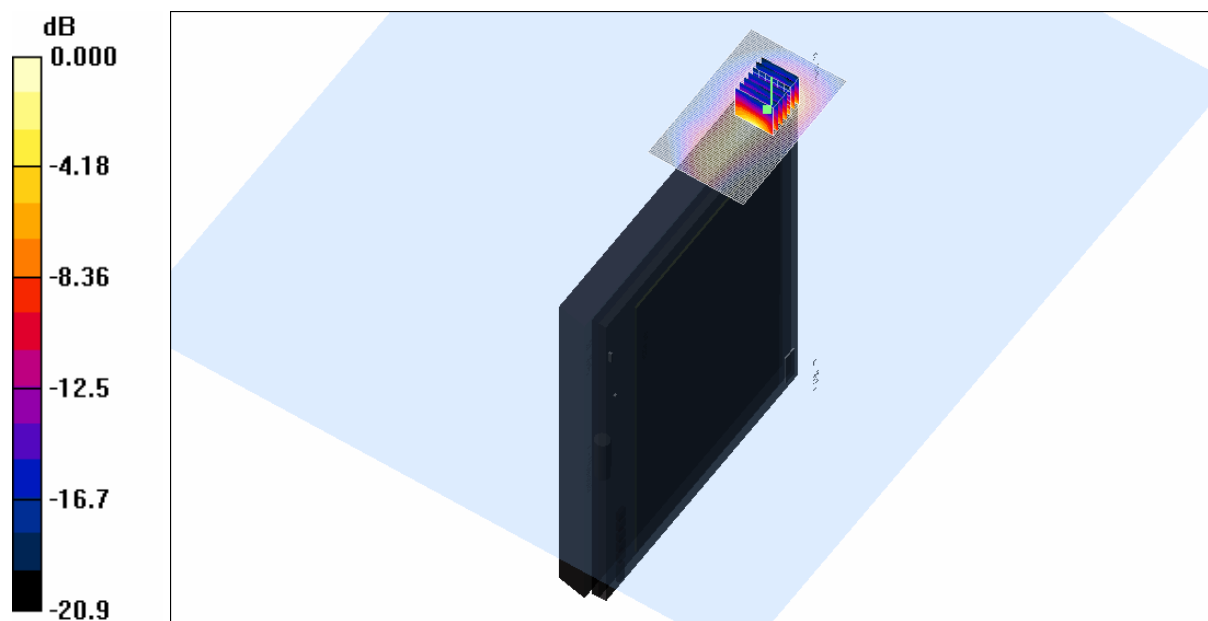
Channel 6 Test/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 13.3 V/m; Power Drift = -0.015 dB

Peak SAR (extrapolated) = 1.11 W/kg

SAR(1 g) = 0.381 mW/g; SAR(10 g) = 0.168 mW/g

Maximum value of SAR (measured) = 0.442 mW/g



0 dB = 0.442mW/g

SAR MEASUREMENT PLOT 6

Ambient Temperature

20.8 Degrees Celsius

Liquid Temperature

20.6 Degrees Celsius

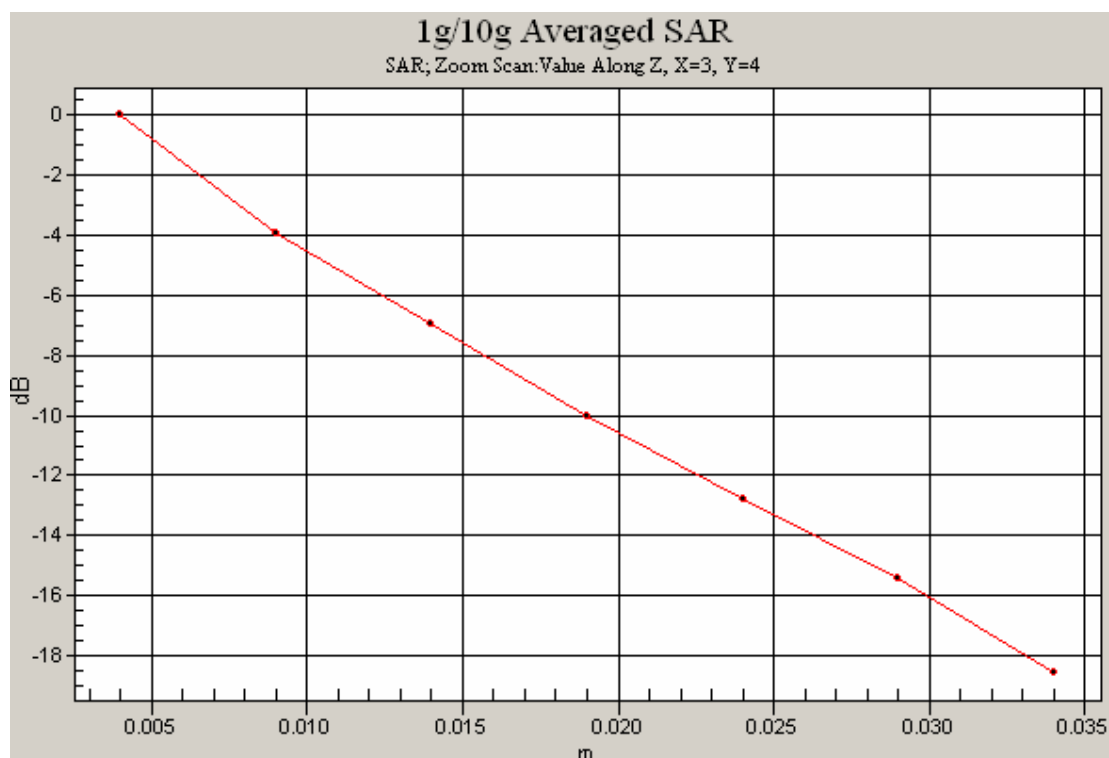
Humidity

46.0 %



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Test Date: 12 August 2009

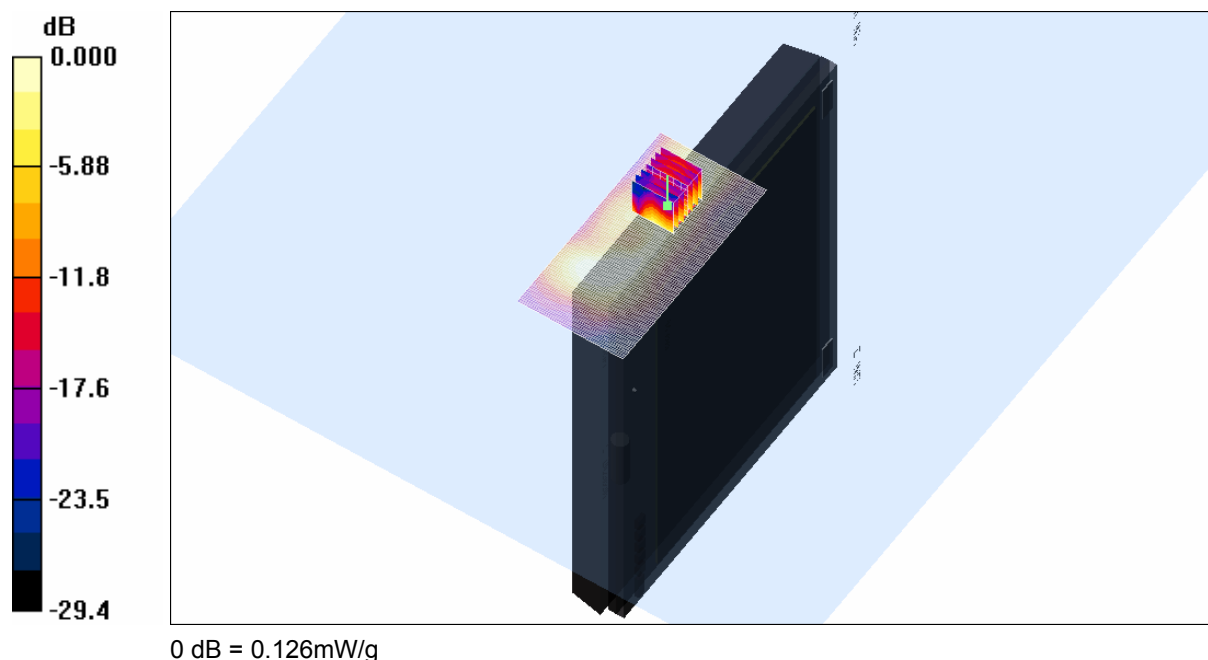
File Name: M090733 Primary Portrait DSSS 2.4 GHz Antenna C (3) 12-08-09.da4

DUT: Fujitsu Tablet Chaldea with SP 11abgn; Type: 533AN_HMW; Serial: MAC: 00216A555390

- * Communication System: DSSS 2450 MHz; Frequency: 2437 MHz; Duty Cycle: 1:1
- * Medium parameters used: $f = 2438$ MHz; $\sigma = 1.96$ mho/m; $\epsilon_r = 52.3$; $\rho = 1000$ kg/m³
- 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 2/Area Scan (51x101x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.136 mW/g

Channel 6 Test 2/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 5.82 V/m; Power Drift = 0.023 dB
Peak SAR (extrapolated) = 0.322 W/kg
SAR(1 g) = 0.111 mW/g; SAR(10 g) = 0.050 mW/g
Maximum value of SAR (measured) = 0.126 mW/g



SAR MEASUREMENT PLOT 7

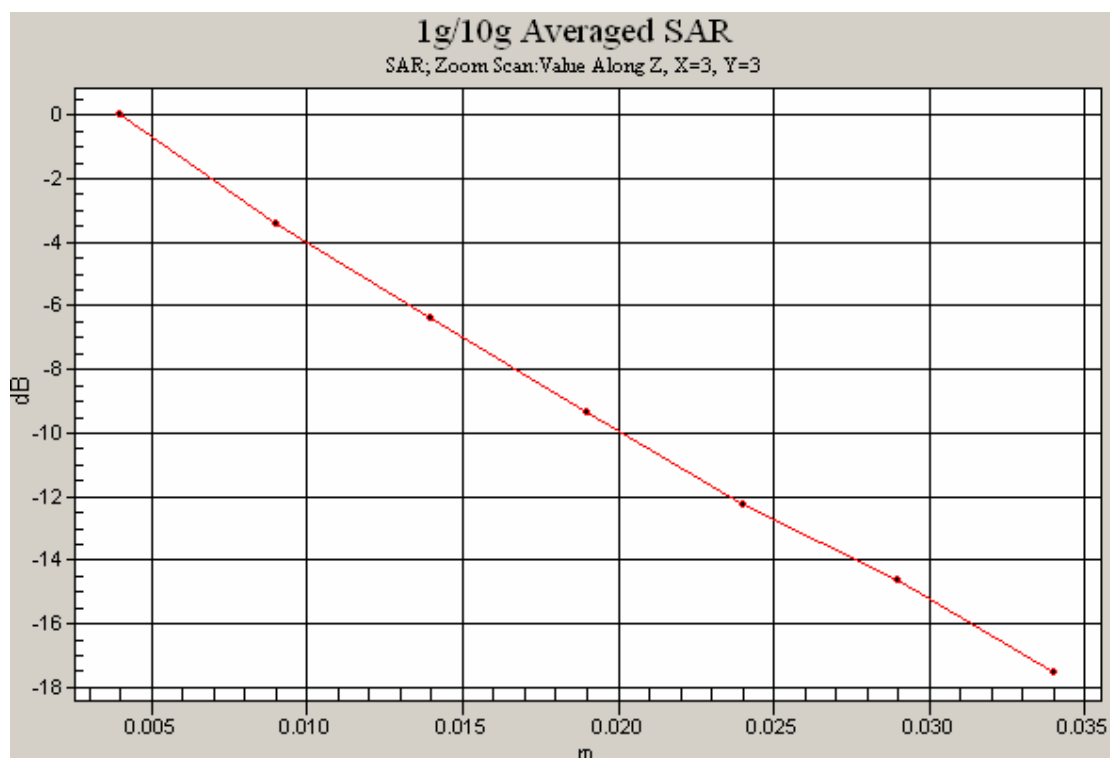
Ambient Temperature
Liquid Temperature
Humidity

20.1 Degrees Celsius
19.8 Degrees Celsius
41.0 %



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Test Date: 10 August 2009

File Name: M090733 Secondary Landscape DSSS 2.4 GHz Antenna A (1) 10-08-09.da4

DUT: **Fujitsu Tablet Chaldea with SP 11abgn; Type: 533AN_HMW; Serial: MAC: 00216A555390**

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

* Medium parameters used: $f = 2438$ MHz; $\sigma = 1.96$ mho/m; $\epsilon_r = 52$; $\rho = 1000$ kg/m³

- 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 (51x81x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.258 mW/g

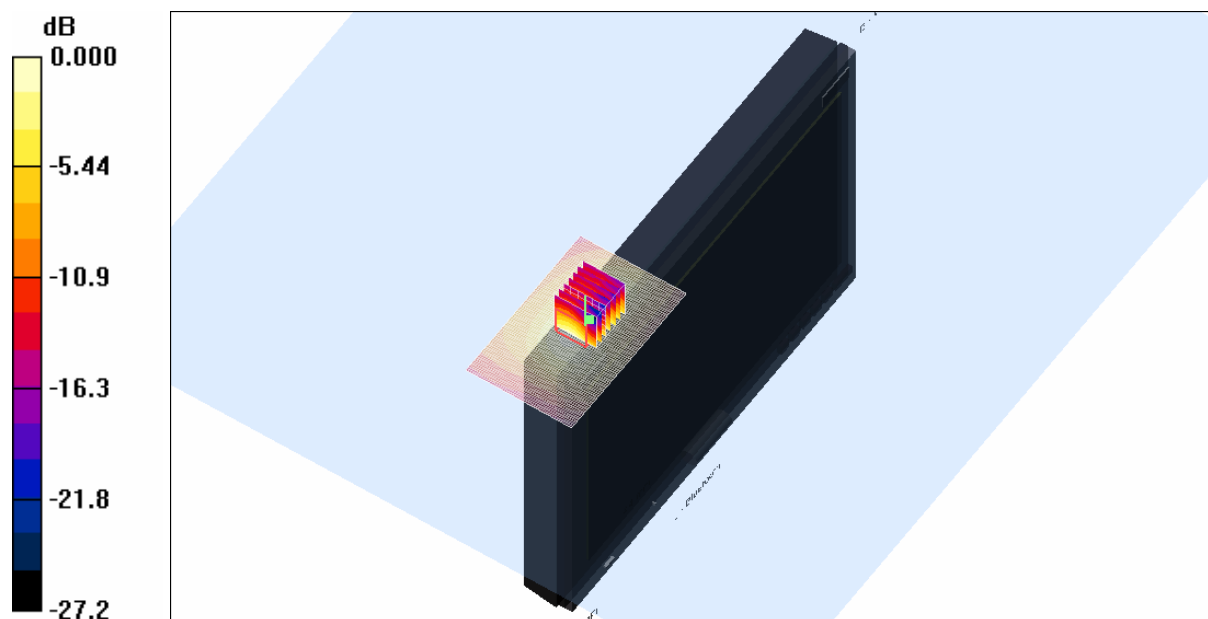
Channel 6 Test/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 7.43 V/m; Power Drift = -0.038 dB

Peak SAR (extrapolated) = 0.575 W/kg

SAR(1 g) = 0.263 mW/g; SAR(10 g) = 0.135 mW/g

Maximum value of SAR (measured) = 0.284 mW/g



0 dB = 0.284mW/g

SAR MEASUREMENT PLOT 8

Ambient Temperature

20.8 Degrees Celsius

Liquid Temperature

20.6 Degrees Celsius

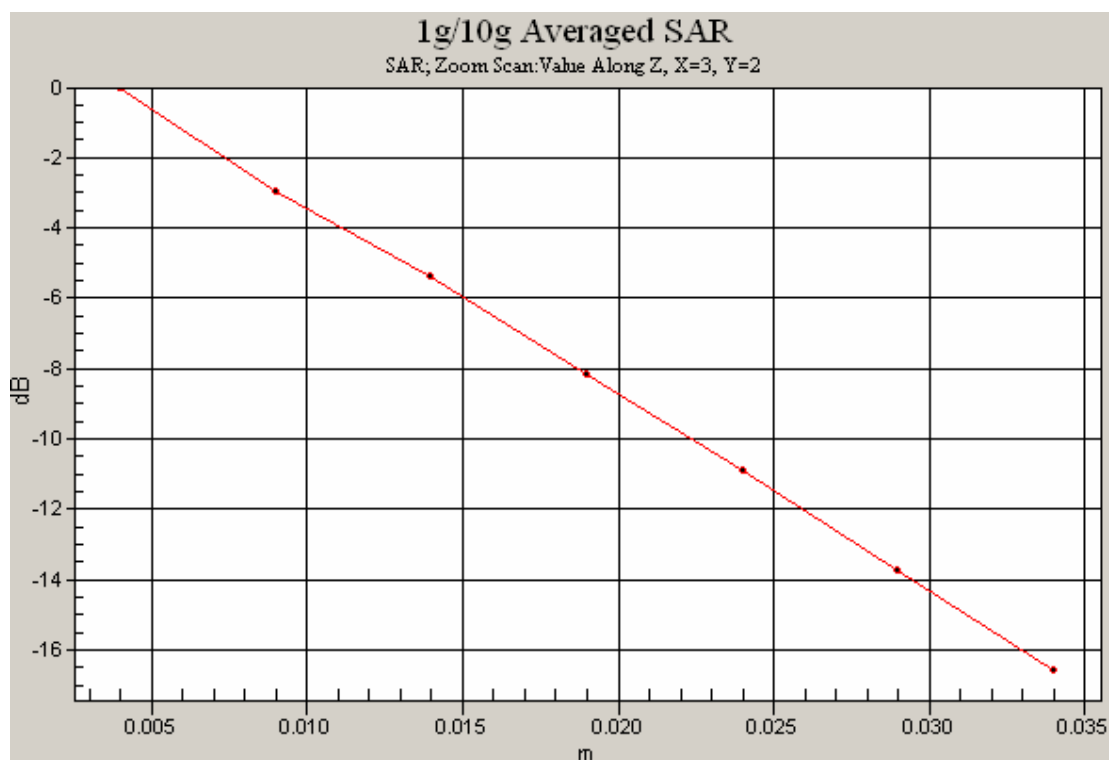
Humidity

46.0 %



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Test Date: 11 August 2009

File Name: M090733 Secondary Landscape DSSS 2.4 GHz Antenna B (2) 11-08-09.da4

DUT: Fujitsu Tablet Chaldea with SP 11abgn; Type: 533AN_HMW; Serial: MAC: 00216A555390

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

* Medium parameters used: $f = 2438$ MHz; $\sigma = 1.91$ mho/m; $\epsilon_r = 52.3$; $\rho = 1000$ kg/m³

- 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 (51x81x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.312 mW/g

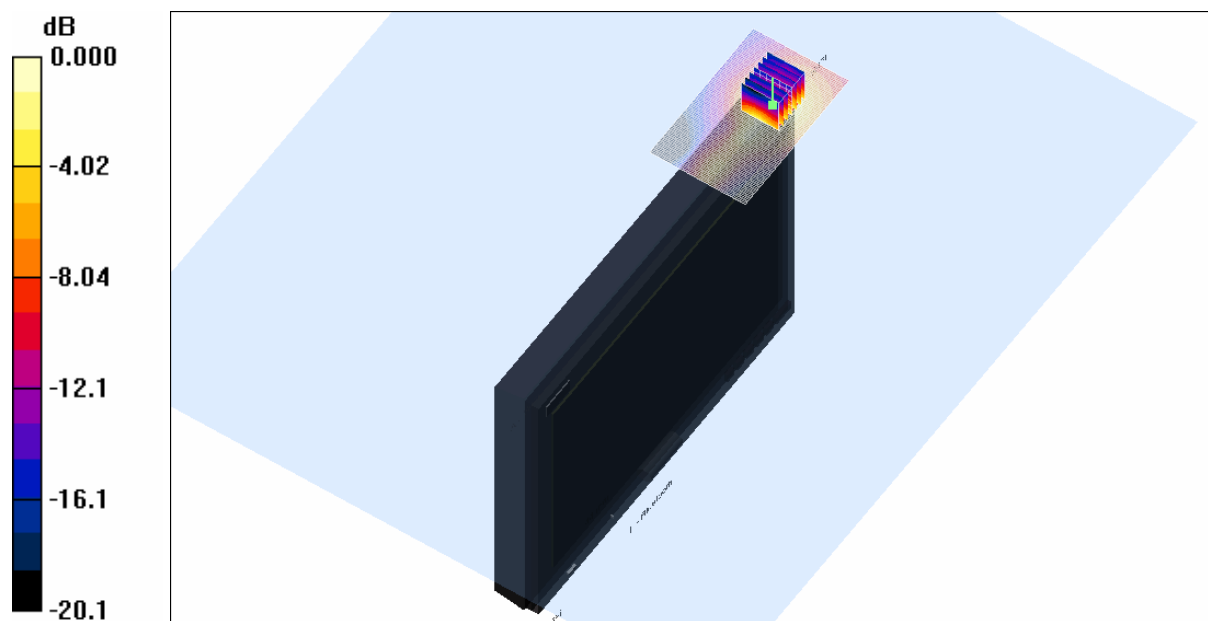
Channel 6 Test/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 10.5 V/m; Power Drift = -0.168 dB

Peak SAR (extrapolated) = 0.612 W/kg

SAR(1 g) = 0.285 mW/g; SAR(10 g) = 0.144 mW/g

Maximum value of SAR (measured) = 0.309 mW/g



0 dB = 0.309mW/g

SAR MEASUREMENT PLOT 9

Ambient Temperature

20.5 Degrees Celsius

Liquid Temperature

20.3 Degrees Celsius

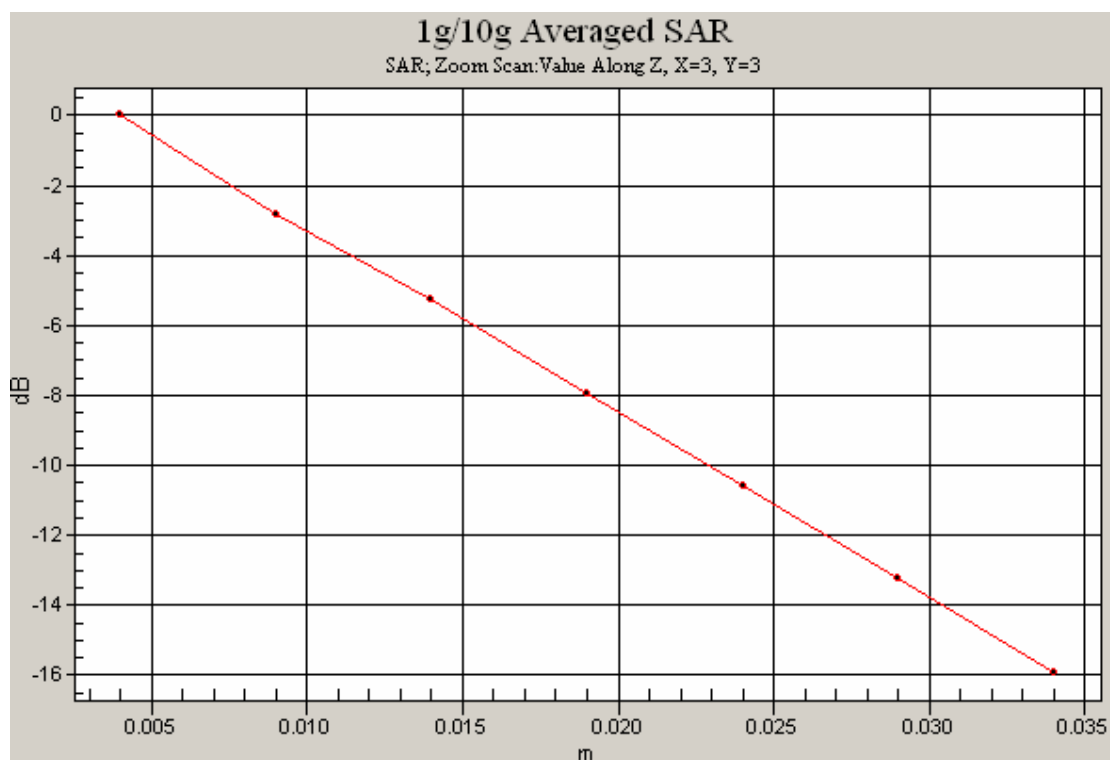
Humidity

39.0 %



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Test Date: 10 August 2009

File Name: M090733 Tablet DSSS 2.4 GHz Antenna A (1) 10-08-09.da4

DUT: **Fujitsu Tablet Chaldea with SP 11abgn; Type: 533AN_HMW; Serial: MAC: 00216A555390**

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

* Medium parameters used: $f = 2438$ MHz; $\sigma = 1.96$ mho/m; $\epsilon_r = 52$; $\rho = 1000$ kg/m³

- 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 (51x81x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.166 mW/g

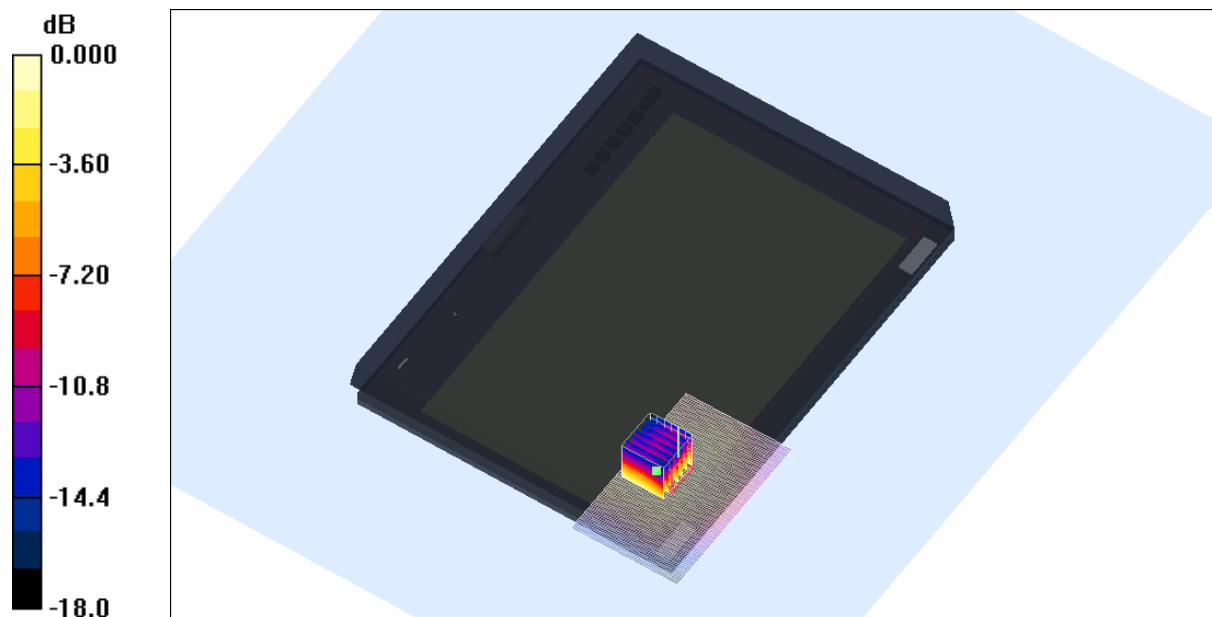
Channel 6 Test/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 7.25 V/m; Power Drift = 0.336 dB

Peak SAR (extrapolated) = 0.336 W/kg

SAR(1 g) = 0.172 mW/g; SAR(10 g) = 0.099 mW/g

Maximum value of SAR (measured) = 0.187 mW/g



0 dB = 0.187mW/g

SAR MEASUREMENT PLOT 10

Ambient Temperature

20.8 Degrees Celsius

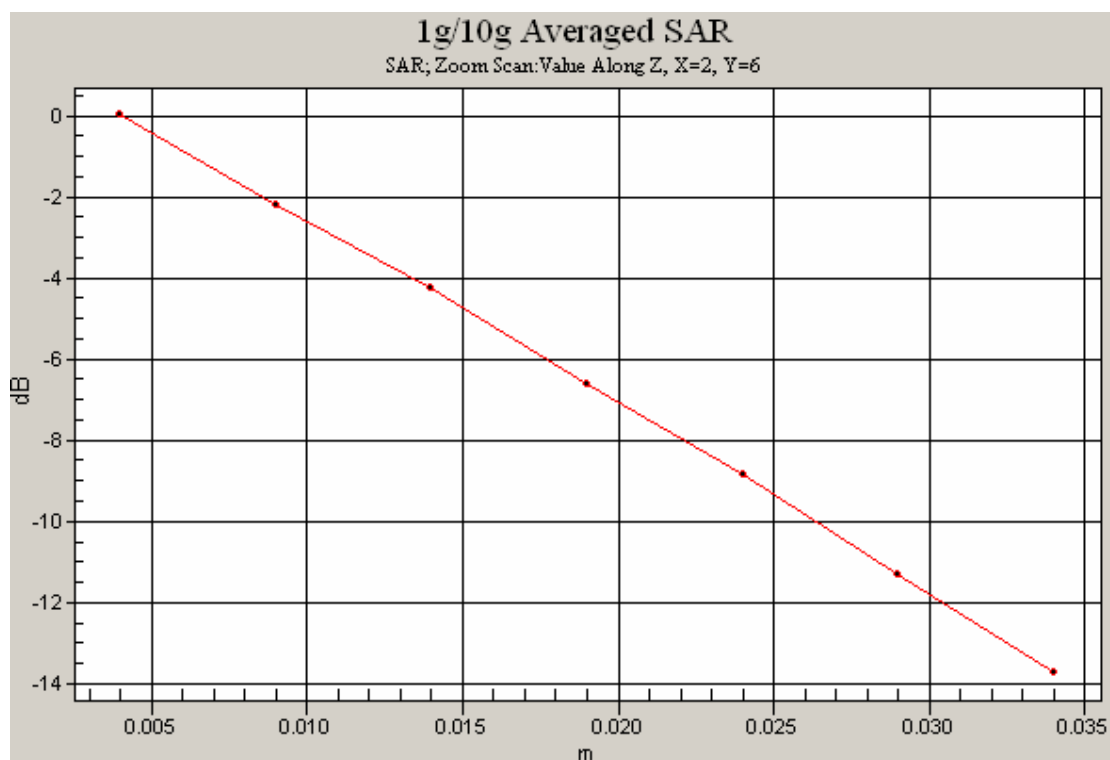
Liquid Temperature

20.6 Degrees Celsius

Humidity

46.0 %





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Test Date: 11 August 2009

File Name: M090733 Tablet DSSS 2.4 GHz Antenna B (2) 11-08-09.da4

DUT: Fujitsu Tablet Chaldea with SP 11abgn; Type: 533AN_HMW; Serial: MAC: 00216A555390

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

* Medium parameters used: $f = 2438$ MHz; $\sigma = 1.91$ mho/m; $\epsilon_r = 52.3$; $\rho = 1000$ kg/m³

- 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 (51x81x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.025 mW/g

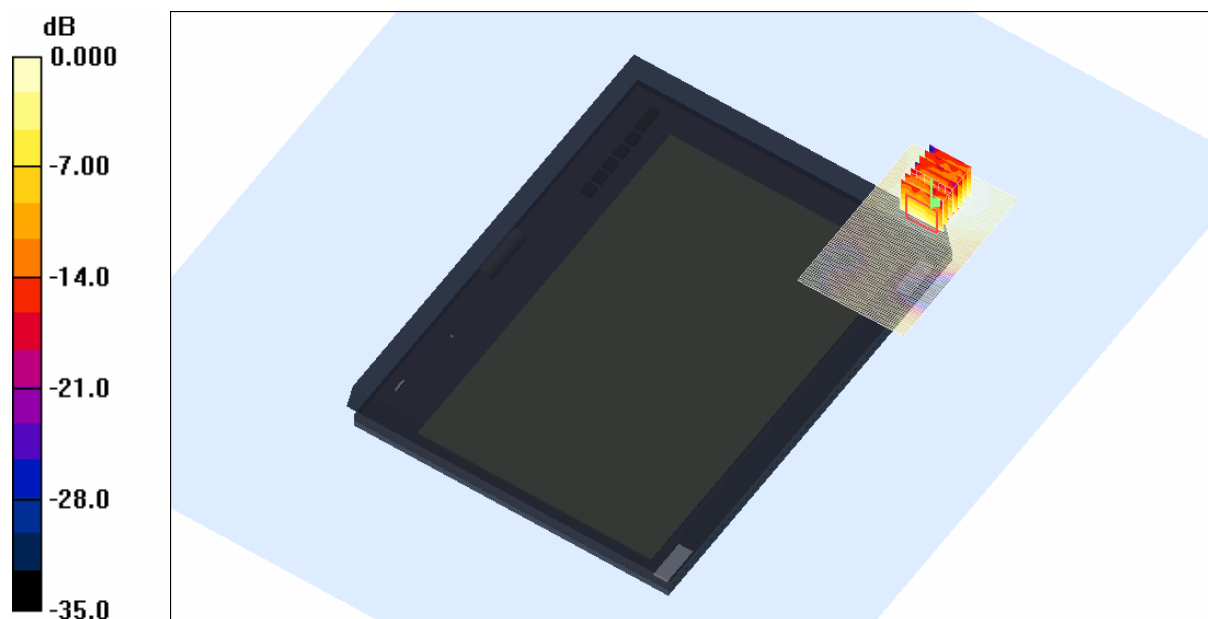
Channel 6 Test/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 2.53 V/m; Power Drift = -0.041 dB

Peak SAR (extrapolated) = 0.055 W/kg

SAR(1 g) = 0.027 mW/g; SAR(10 g) = 0.014 mW/g

Maximum value of SAR (measured) = 0.030 mW/g



0 dB = 0.030mW/g

SAR MEASUREMENT PLOT 11

Ambient Temperature

20.5 Degrees Celsius

Liquid Temperature

20.3 Degrees Celsius

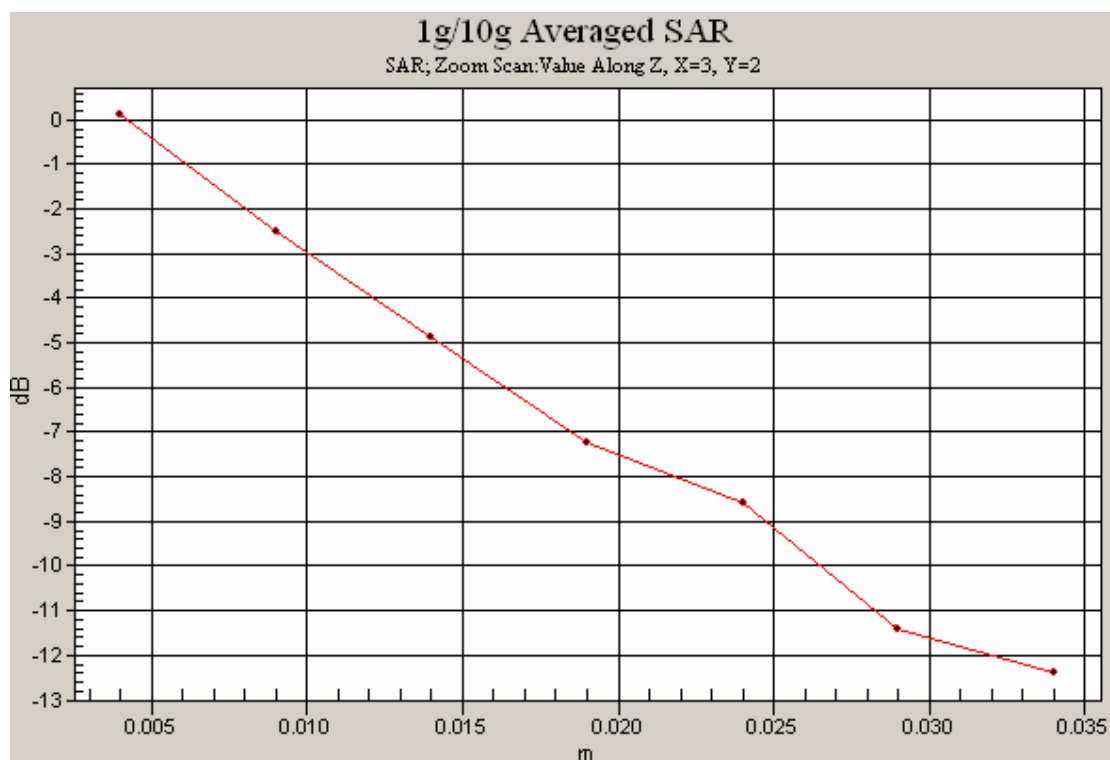
Humidity

39.0 %



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Test Date: 12 August 2009

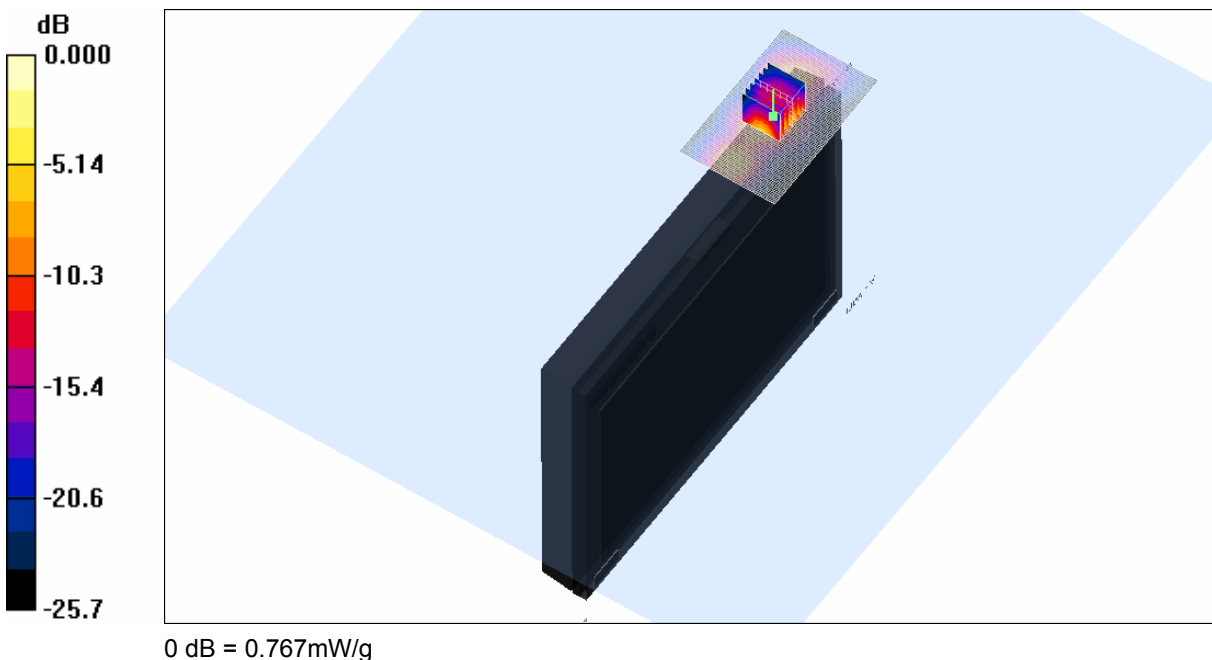
File Name: M090733 Primary Landscape DSSS 2.4 GHz Antenna C (3) 12-08-09.da4

DUT: **Fujitsu Tablet Chaldea with SP 11abgn; Type: 533AN_HMW; Serial: MAC: 00216A555390**

- * Communication System: DSSS 2450 MHz; Frequency: 2412 MHz; Duty Cycle: 1:1
- * Medium parameters used: $f = 2410$ MHz; $\sigma = 1.92$ mho/m; $\epsilon_r = 52.4$; $\rho = 1000$ kg/m³
- 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 (51x81x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.740 mW/g

Channel 1 Test/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 14.3 V/m; Power Drift = 0.308 dB
Peak SAR (extrapolated) = 1.56 W/kg
SAR(1 g) = 0.658 mW/g; SAR(10 g) = 0.273 mW/g
Maximum value of SAR (measured) = 0.767 mW/g



SAR MEASUREMENT PLOT 12

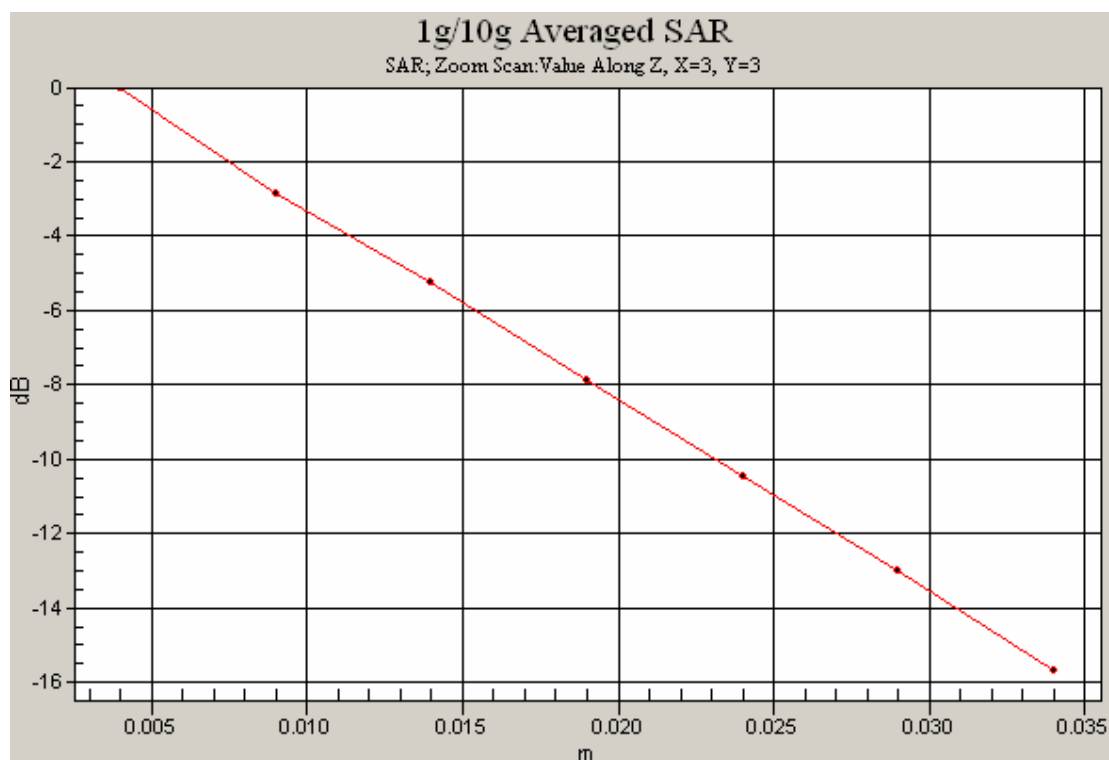
Ambient Temperature
Liquid Temperature
Humidity

20.1 Degrees Celsius
19.8 Degrees Celsius
41.0 %



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Test Date: 12 August 2009

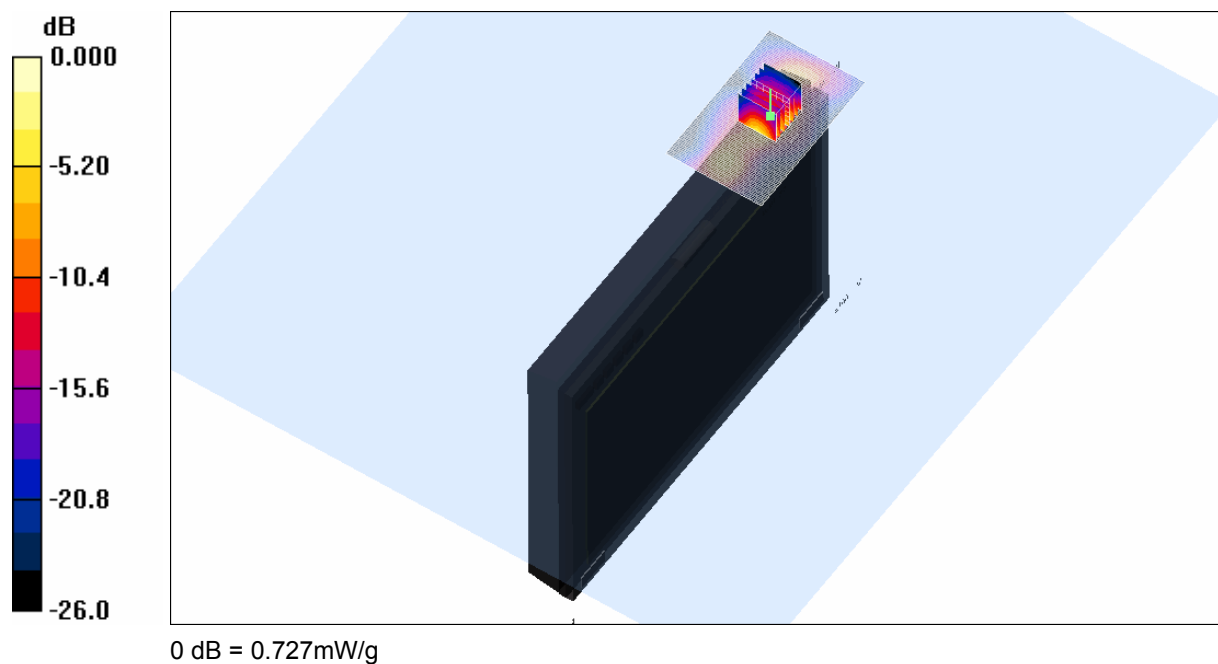
File Name: M090733 Primary Landscape DSSS 2.4 GHz Antenna C (3) 12-08-09.da4

DUT: **Fujitsu Tablet Chaldea with SP 11abgn; Type: 533AN_HMW; Serial: MAC: 00216A555390**

- * Communication System: DSSS 2450 MHz; Frequency: 2437 MHz; Duty Cycle: 1:1
- * Medium parameters used: $f = 2438$ MHz; $\sigma = 1.96$ mho/m; $\epsilon_r = 52.3$; $\rho = 1000$ kg/m³
- 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 (51x81x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.647 mW/g

Channel 6 Test/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 17.7 V/m; Power Drift = -0.237 dB
Peak SAR (extrapolated) = 1.48 W/kg
SAR(1 g) = 0.627 mW/g; SAR(10 g) = 0.266 mW/g
Maximum value of SAR (measured) = 0.727 mW/g



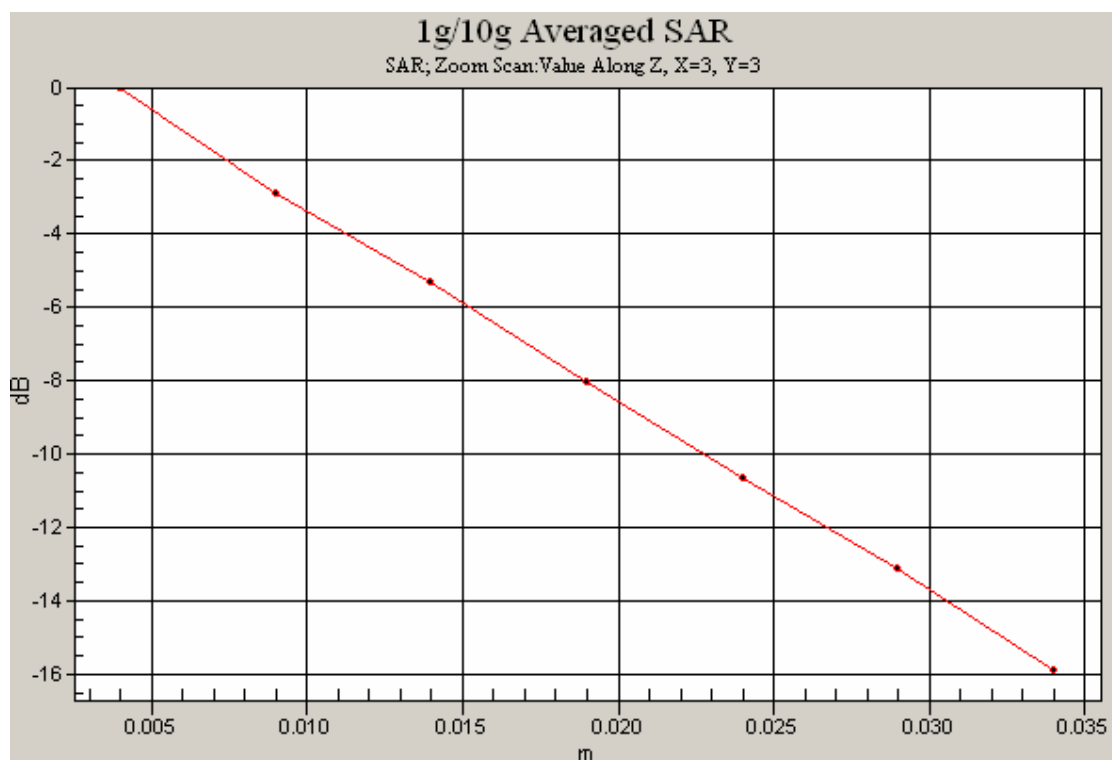
SAR MEASUREMENT PLOT 13

Ambient Temperature
Liquid Temperature
Humidity

20.1 Degrees Celsius
19.8 Degrees Celsius
41.0 %



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Test Date: 17 August 2009

File Name: M090733 Primary Landscape DSSS 2.4 GHz Antenna C (3) 17-08-09.da4

DUT: **Fujitsu Tablet Chaldea with SP 11abgn; Type: 533AN_HMW; Serial: MAC: 00216A555390**

- * Communication System: DSSS 2450 MHz; Frequency: 2462 MHz; Duty Cycle: 1:1
- * Medium parameters used: $f = 2462$ MHz; $\sigma = 2.02$ mho/m; $\epsilon_r = 51.2$; $\rho = 1000$ kg/m³
- 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 (51x81x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.329 mW/g

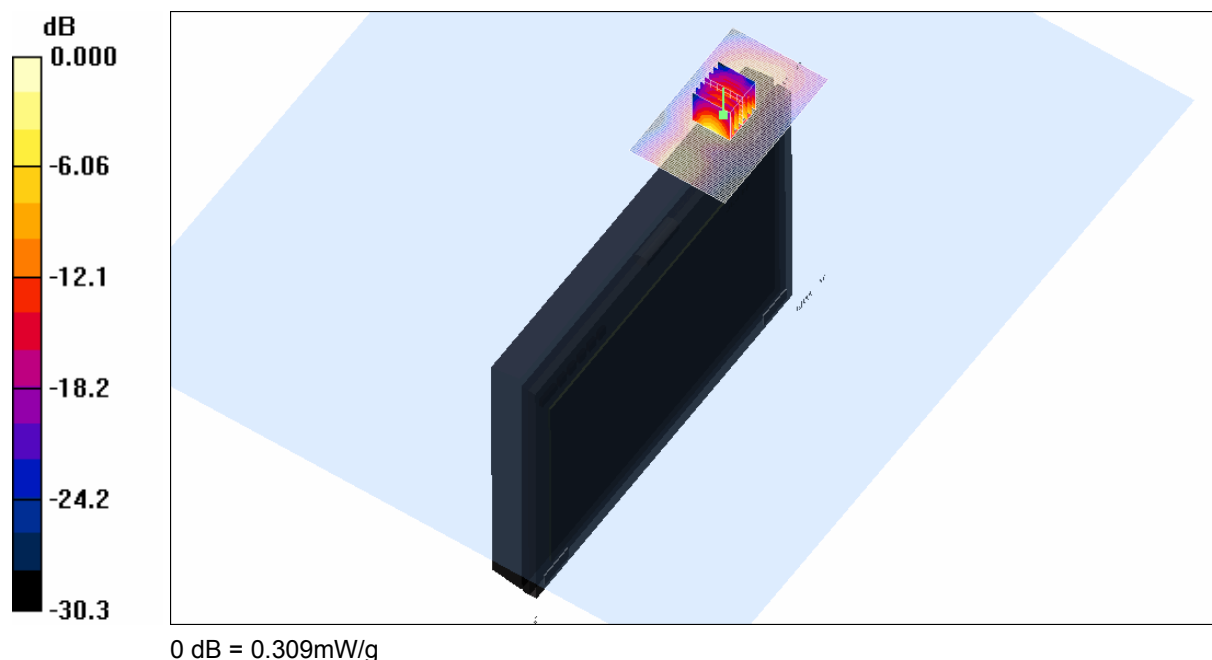
Channel 11 Test/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 9.78 V/m; Power Drift = -0.223 dB

Peak SAR (extrapolated) = 0.637 W/kg

SAR(1 g) = 0.270 mW/g; SAR(10 g) = 0.116 mW/g

Maximum value of SAR (measured) = 0.309 mW/g



SAR MEASUREMENT PLOT 14

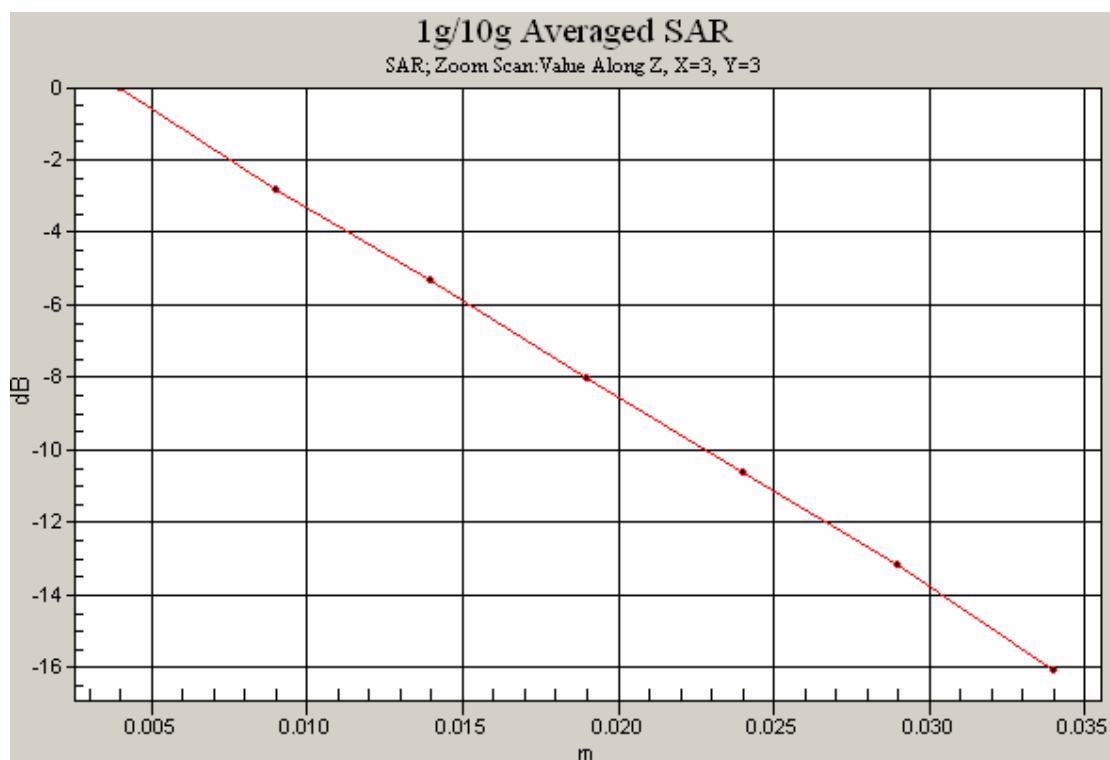
Ambient Temperature
Liquid Temperature
Humidity

20.7 Degrees Celsius
20.6 Degrees Celsius
40.0 %



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Test Date: 10 August 2009

File Name: Validation 2450 MHz (DAE442 Probe1380) 10-08-09.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; $\sigma = 1.83$ mho/m; $\epsilon_r = 39.1$; $\rho = 1000$ kg/m³

- 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) = 17.3 mW/g

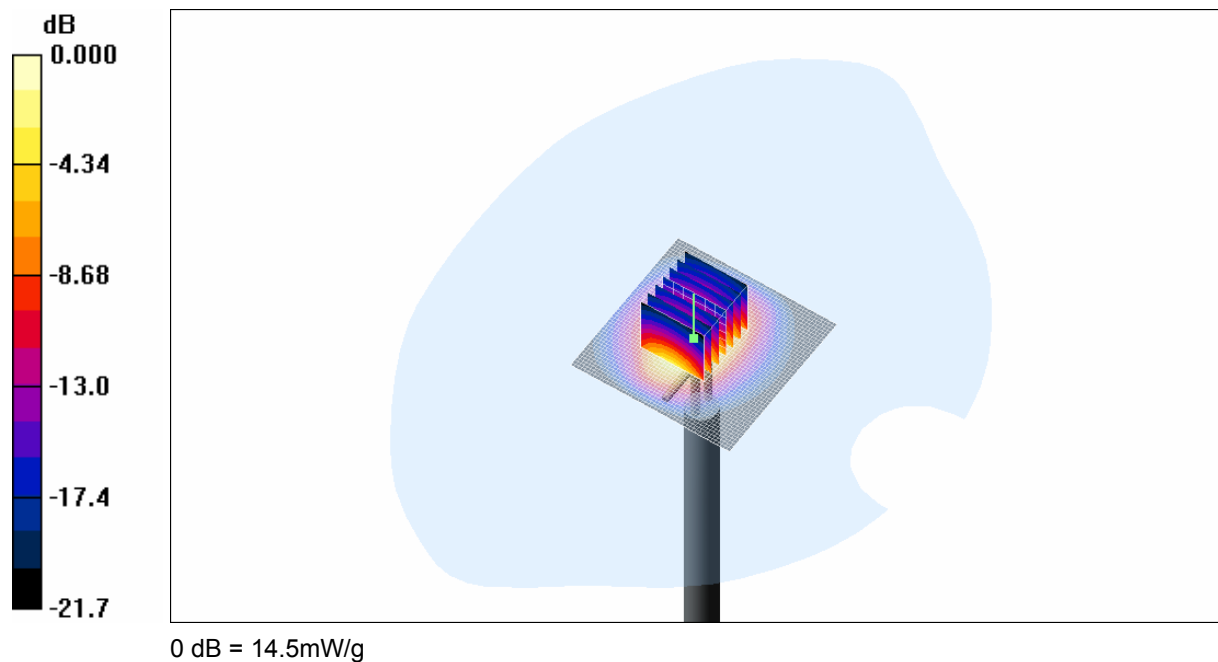
Channel 1 Test/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 91.7 V/m; Power Drift = -0.005 dB

Peak SAR (extrapolated) = 28.6 W/kg

SAR(1 g) = 13 mW/g; SAR(10 g) = 6.05 mW/g

Maximum value of SAR (measured) = 14.5 mW/g



SAR MEASUREMENT PLOT 15

Ambient Temperature

20.8 Degrees Celsius

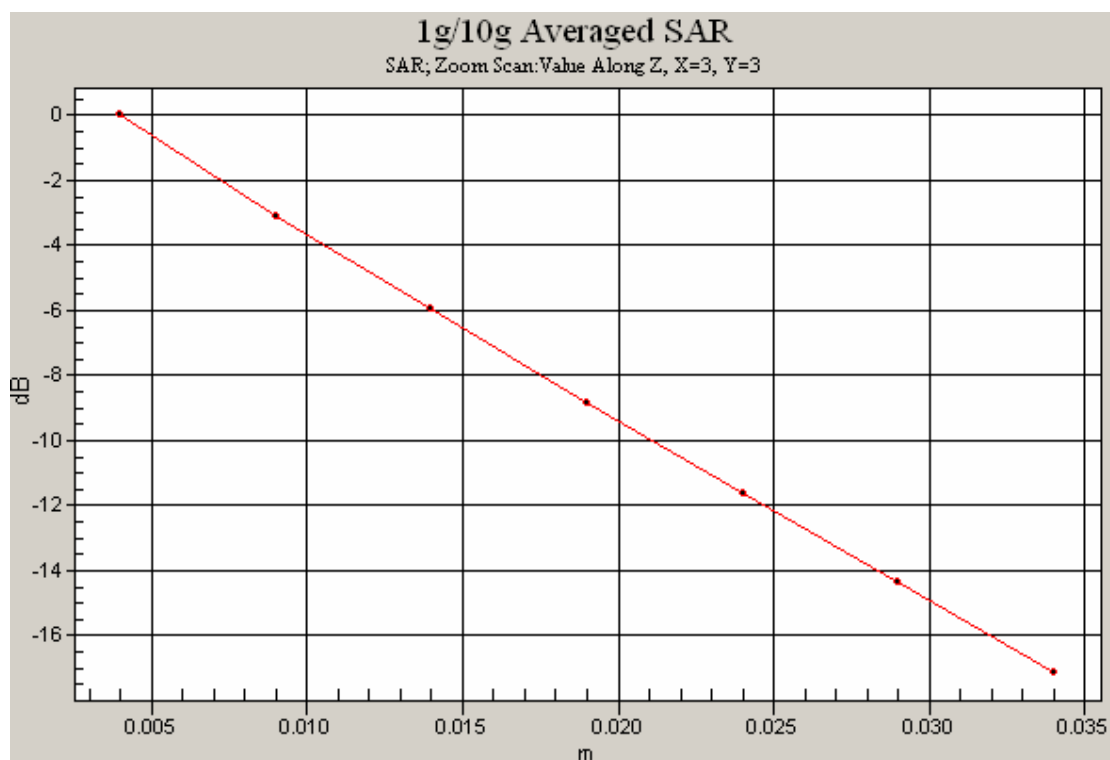
Liquid Temperature

20.6 Degrees Celsius

Humidity

46.0 %





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Test Date: 11 August 2009

File Name: Validation 2450 MHz (DAE442 Probe1380) 11-08-09.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; $\sigma = 1.85$ mho/m; $\epsilon_r = 39.3$; $\rho = 1000$ kg/m³

- 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) = 17.7 mW/g

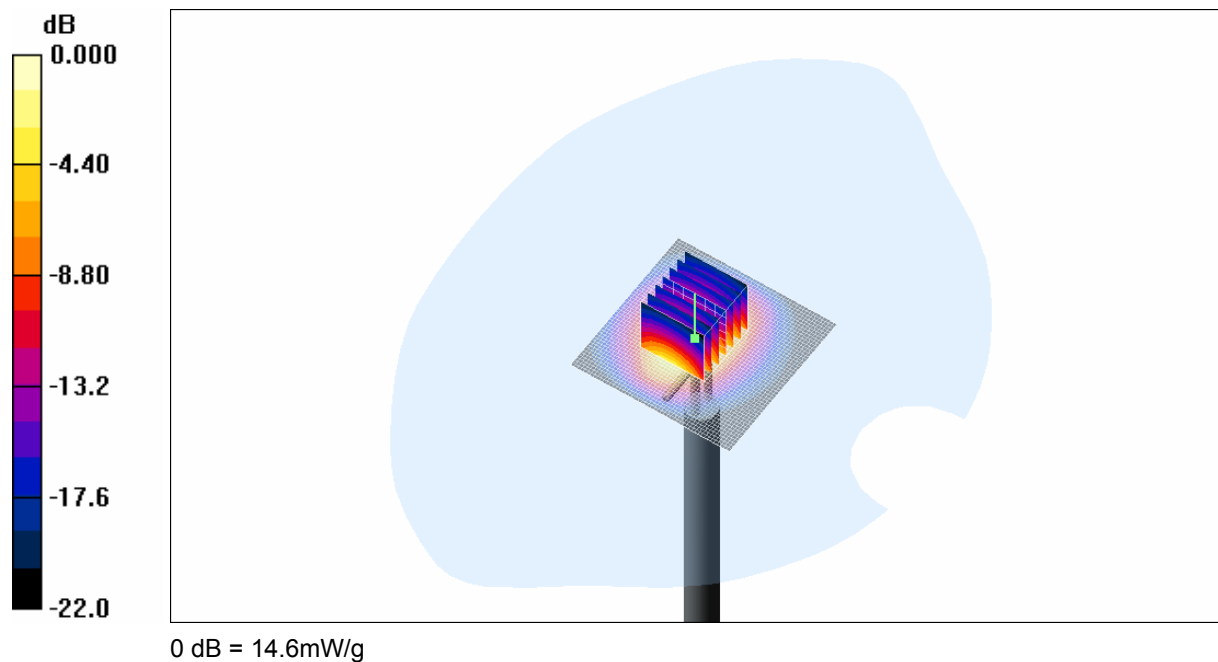
Channel 1 Test/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 91.1 V/m; Power Drift = -0.021 dB

Peak SAR (extrapolated) = 28.9 W/kg

SAR(1 g) = 13.2 mW/g; SAR(10 g) = 6.16 mW/g

Maximum value of SAR (measured) = 14.6 mW/g



SAR MEASUREMENT PLOT 16

Ambient Temperature

20.5 Degrees Celsius

Liquid Temperature

20.3 Degrees Celsius

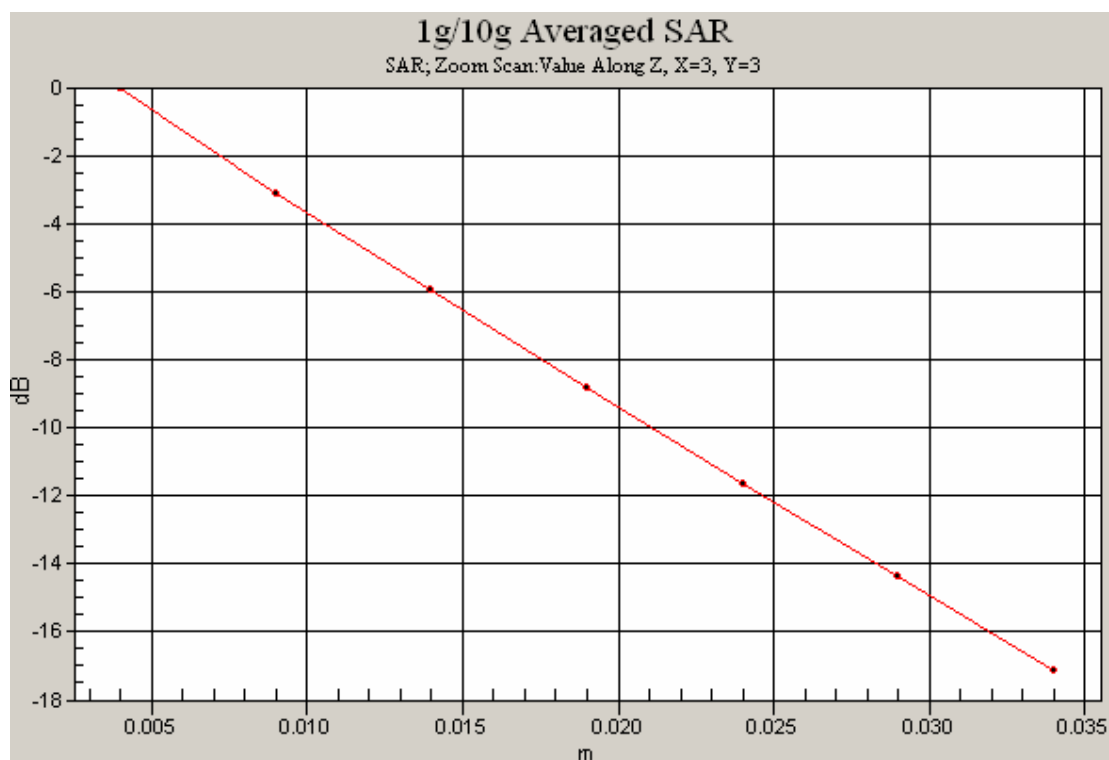
Humidity

39.0 %



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Test Date: 12 August 2009

File Name: Validation 2450 MHz (DAE442 Probe1380) 12-08-09.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; $\sigma = 1.88$ mho/m; $\epsilon_r = 39.3$; $\rho = 1000$ kg/m³

- 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) = 17.5 mW/g

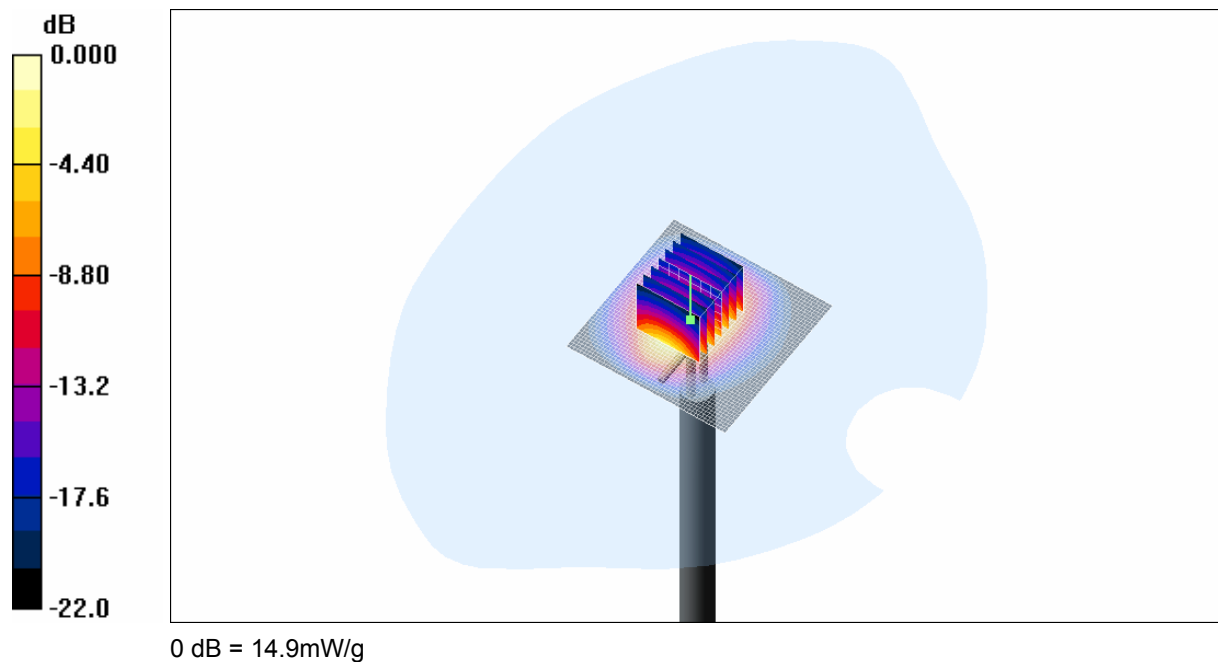
Channel 1 Test/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 90.6 V/m; Power Drift = 0.018 dB

Peak SAR (extrapolated) = 29.3 W/kg

SAR(1 g) = 13.3 mW/g; SAR(10 g) = 6.16 mW/g

Maximum value of SAR (measured) = 14.9 mW/g



SAR MEASUREMENT PLOT 17

Ambient Temperature

20.1 Degrees Celsius

Liquid Temperature

19.8 Degrees Celsius

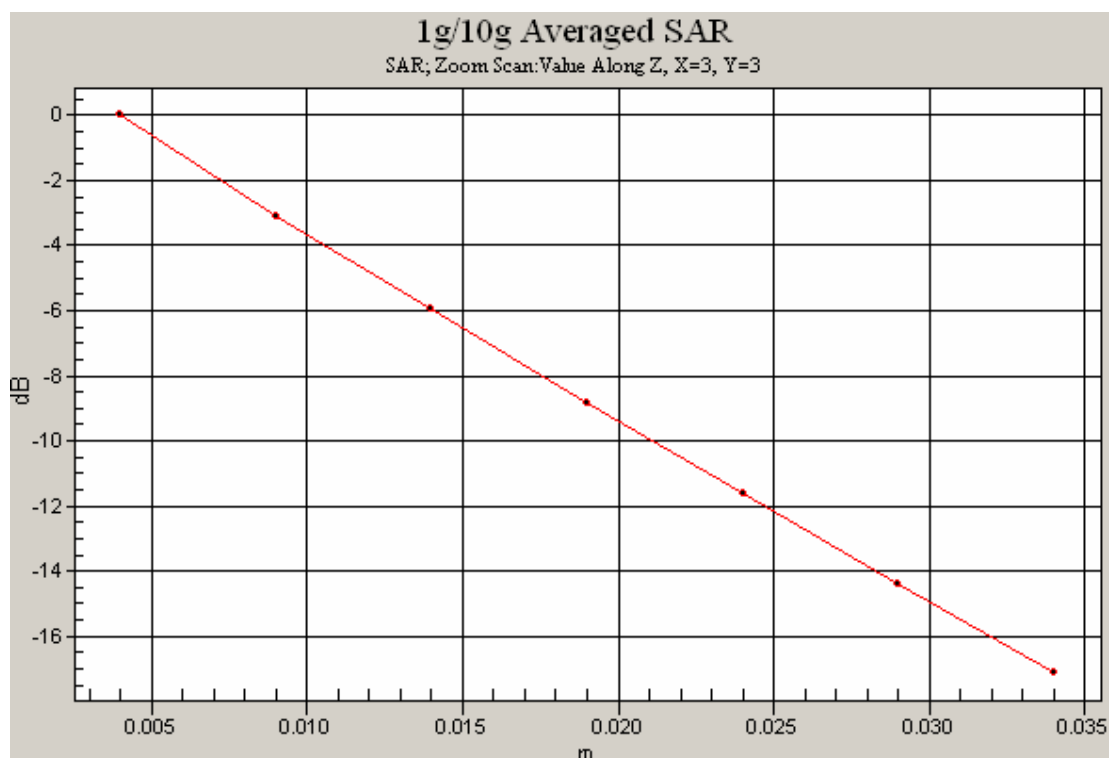
Humidity

41.0 %



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Test Date: 17 August 2009

File Name: Validation 2450 MHz (DAE442 Probe1380) 17-08-09.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; $\sigma = 1.87$ mho/m; $\epsilon_r = 37.8$; $\rho = 1000$ kg/m³

- 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) = 17.5 mW/g

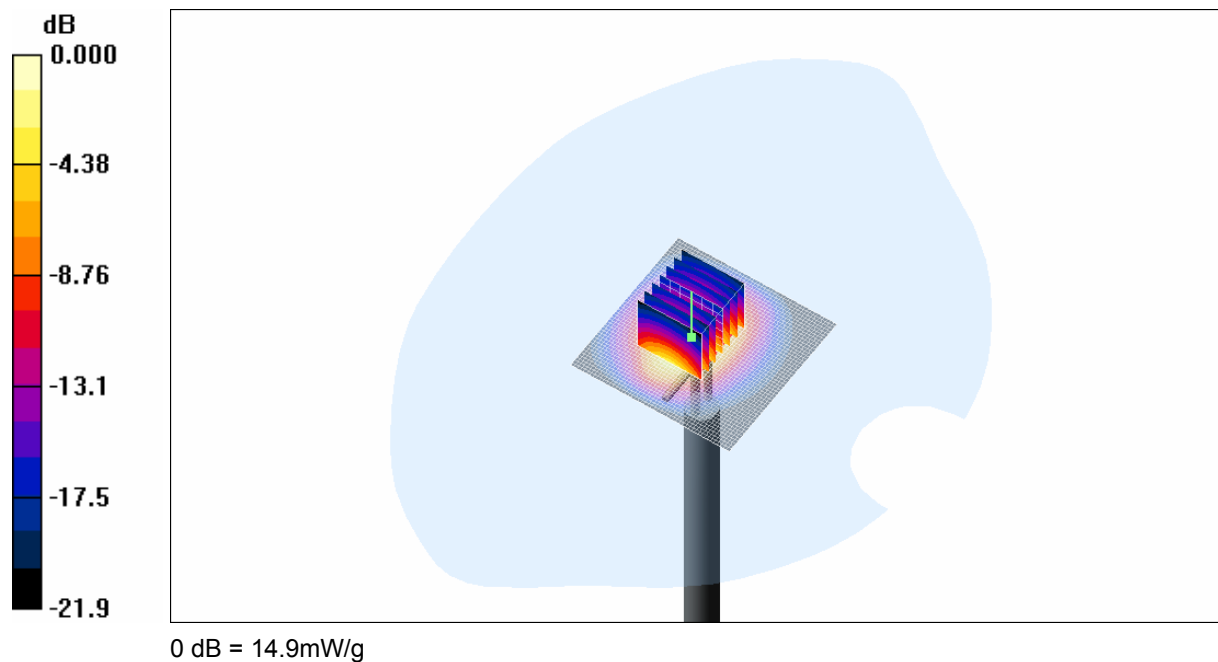
Channel 1 Test/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 89.4 V/m; Power Drift = 0.054 dB

Peak SAR (extrapolated) = 29.2 W/kg

SAR(1 g) = 13.4 mW/g; SAR(10 g) = 6.2 mW/g

Maximum value of SAR (measured) = 14.9 mW/g



SAR MEASUREMENT PLOT 18

Ambient Temperature

20.7 Degrees Celsius

Liquid Temperature

20.6 Degrees Celsius

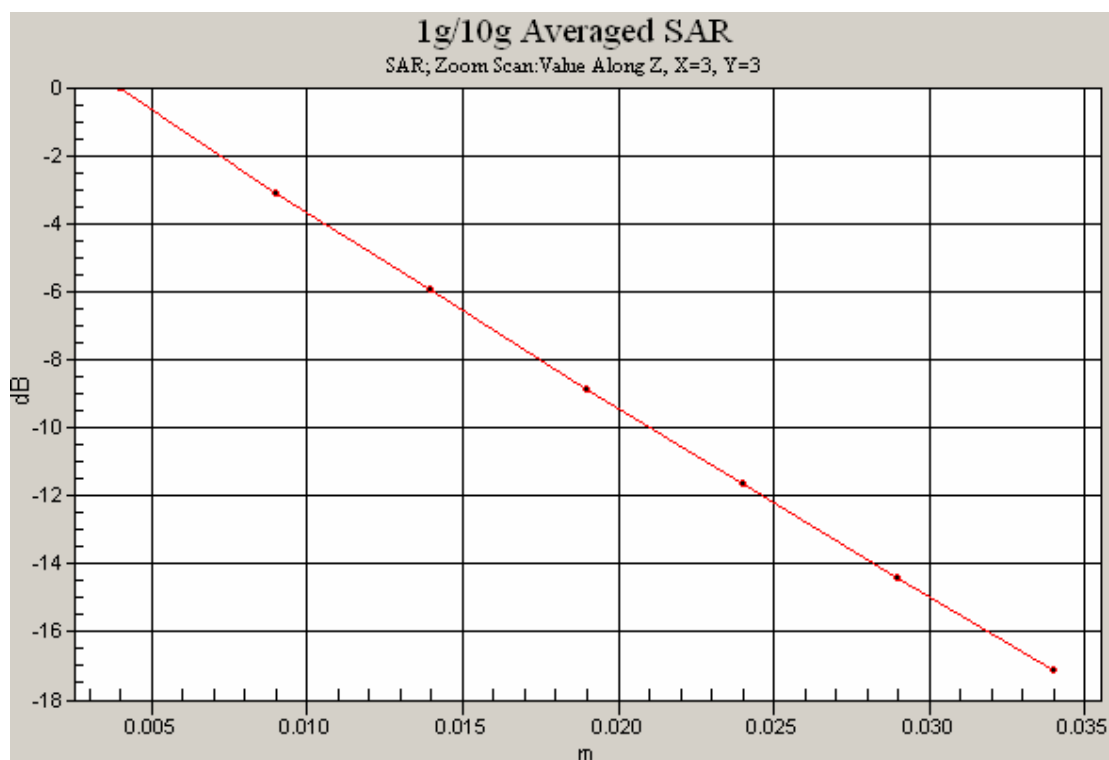
Humidity

40.0 %



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