

APPENDIX C 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: 5200 MHz Band SAR Measurement Plot Numbers

Test Position	Plot No.	Ant.	Bit rate Mode (Mbps)	Channel Bandwidth (MHz)	Test Channel
Primary Portrait	1	A	6	-	52
	-	C	6	-	52
Secondary Landscape	2	A	6	-	36
	3	A	6	-	52
	4	A	6	-	64
	5	B	6	-	36
	6	B	6	-	52
	7	B	6	-	64
Tablet	8	A	6	-	52
	9	B	6	-	52
	-	C	6	-	52
Primary Landscape	10	C	6	-	52

Table: 5600 MHz Band SAR Measurement Plot Numbers

Test Position	Plot No.	Ant.	Bit rate Mode (Mbps)	Channel Bandwidth (MHz)	Test Channel
Primary Portrait	11	A	6	-	120
	-	C	6	-	120
Secondary Landscape	12	A	6	-	100
	13	A	6	-	120
	14	A	6	-	140
	15	B	6	-	100
	16	B	6	-	120
	17	B	6	-	140
Secondary Landscape 5.2Ah Battery	18	A	6	-	120
Tablet	19	A	6	-	120
	-	B	6	-	120
	-	C	6	-	120
Primary Landscape	20	C	6	-	100
	21	C	6	-	120
	22	C	6	-	140



Table: 5800 MHz Band SAR Measurement Plot Numbers

Test Position	Plot No.	Ant.	Bit rate Mode (Mbps)	Channel Bandwidth (MHz)	Test Channel
Primary Portrait	23	A	6	-	157
	24	A	-	20	157
	25	A	-	40	157
	26	C	6	-	157
Secondary Landscape	27	A	6	-	149
	28	A	6	-	157
	29	A	6	-	165
	30	B	6	-	149
	31	B	6	-	157
	32	B	6	-	165
Tablet	33	A	6	-	157
	-	B	6	-	157
	34	C	6	-	157
Primary Landscape	35	C	6	-	149
	36	C	6	-	157
	37	C	6	-	165

Table: Validation Plots

Plot 38	3 rd August 2009 5800 MHz
Plot 39	5 th August 2009 5500 MHz
Plot 40	7 th August 2009 5200 MHz
Plot 41	18 th August 2009 5200 MHz
Plot 42	19 th August 2009 5500 MHz
Plot 43	19 th August 2009 5800 MHz



Test Date: 7 August 2009

File Name: M090733 Primary Portrait OFDM 5.2 GHz WiFi Antenna A (1) 07-08-09.da4

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

* Communication System: OFDM 5250 MHz; Frequency: 5260 MHz; Duty Cycle: 1:1

* Medium parameters used: $f = 5262$ MHz; $\sigma = 5.51$ mho/m; $\epsilon_r = 47$; $\rho = 1000$ kg/m³

- Electronics: DAE3 Sn442; Probe: EX3DV4 - SN3563; ConvF(3.92, 3.92, 3.92)

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

Channel 52 Test/Area Scan (71x121x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.315 mW/g

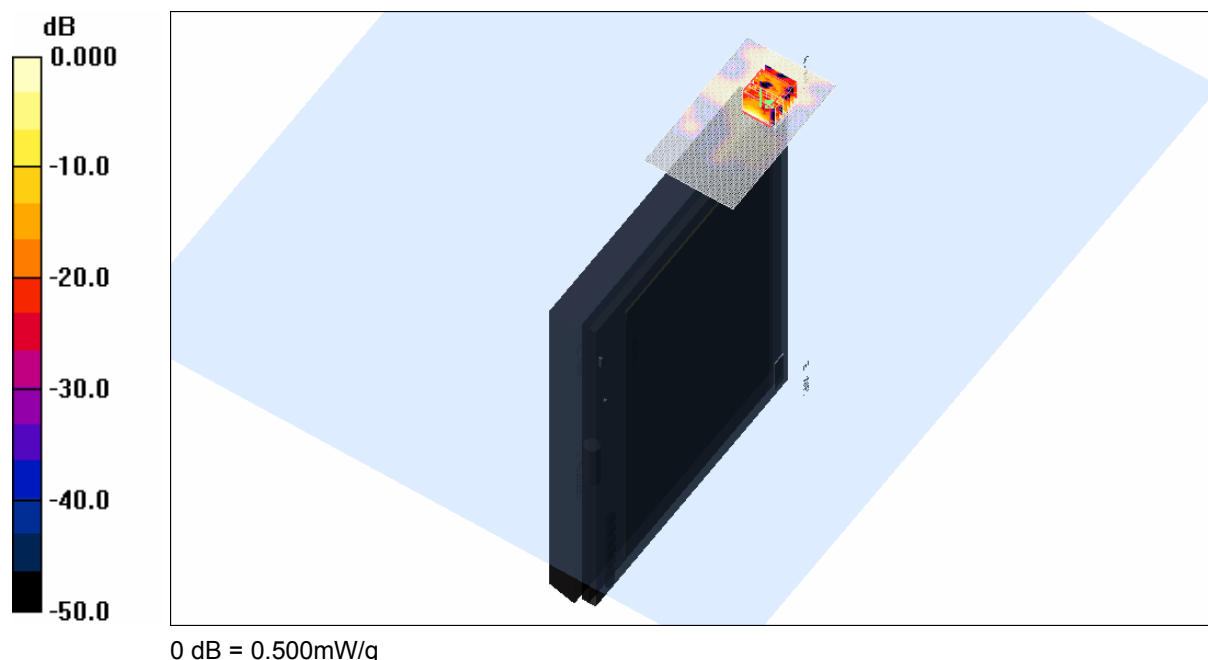
Channel 52 Test/Zoom Scan (7x7x8)/Cube 0: Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm

Reference Value = 9.22 V/m; Power Drift = -0.186 dB

Peak SAR (extrapolated) = 0.927 W/kg

SAR(1 g) = 0.238 mW/g; SAR(10 g) = 0.068 mW/g

Maximum value of SAR (measured) = 0.500 mW/g



SAR MEASUREMENT PLOT 1

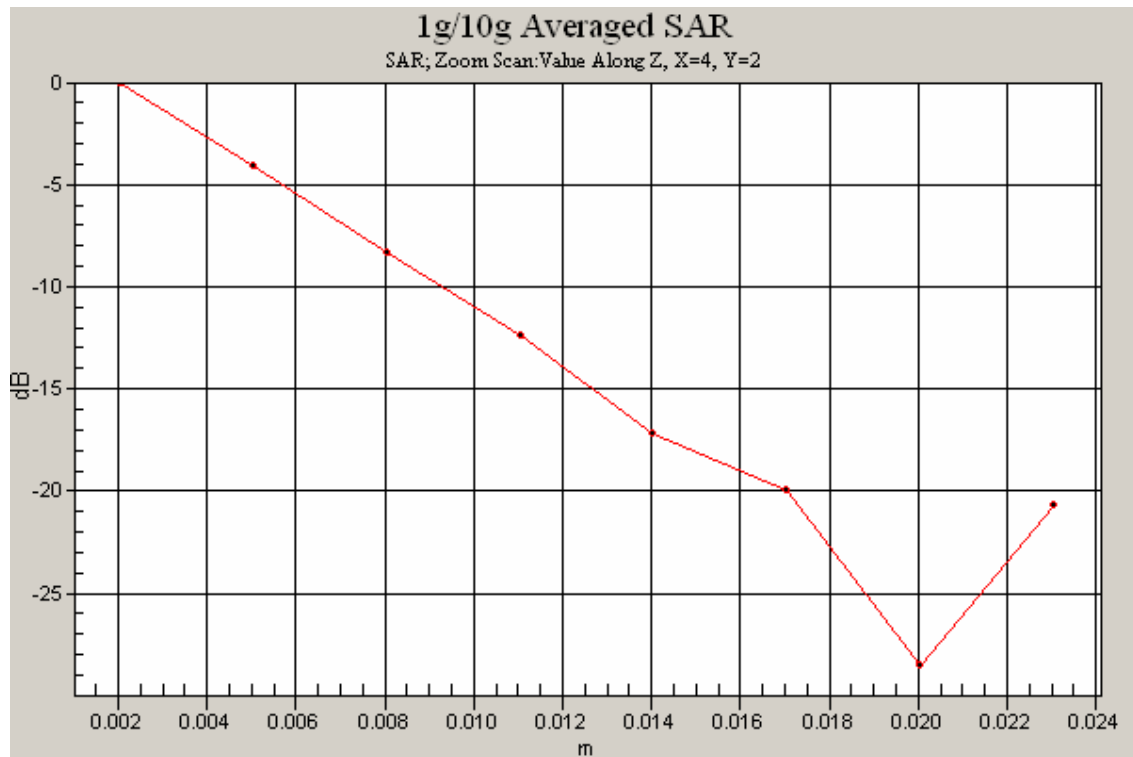
Ambient Temperature
Liquid Temperature
Humidity

20.8 Degrees Celsius
20.6 Degrees Celsius
46.0 %



Accreditation No. 5292

This document must not be copied or reproduced, except in full without the written permission of the Manager, EMC Technologies Pty Ltd. The certificate on page 3 may be reproduced in full.
www.emctech.com.au



Test Date: 7 August 2009

File Name: M090733 Secondary Landscape OFDM 5.2 GHz WiFi Antenna A (1) 07-08-09.da4

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

- * Communication System: OFDM 5250 MHz; Frequency: 5180 MHz; Duty Cycle: 1:1
- * Medium parameters used: $f = 5178$ MHz; $\sigma = 5.35$ mho/m; $\epsilon_r = 47.2$; $\rho = 1000$ kg/m³
- Electronics: DAE3 Sn442; Probe: EX3DV4 - SN3563; ConvF(3.92, 3.92, 3.92)
- Phantom: Flat Phantom 10.1; Serial: P 10.1; Phantom section: Flat 2.2 Section

Channel 36 Test/Area Scan (71x121x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 1.72 mW/g

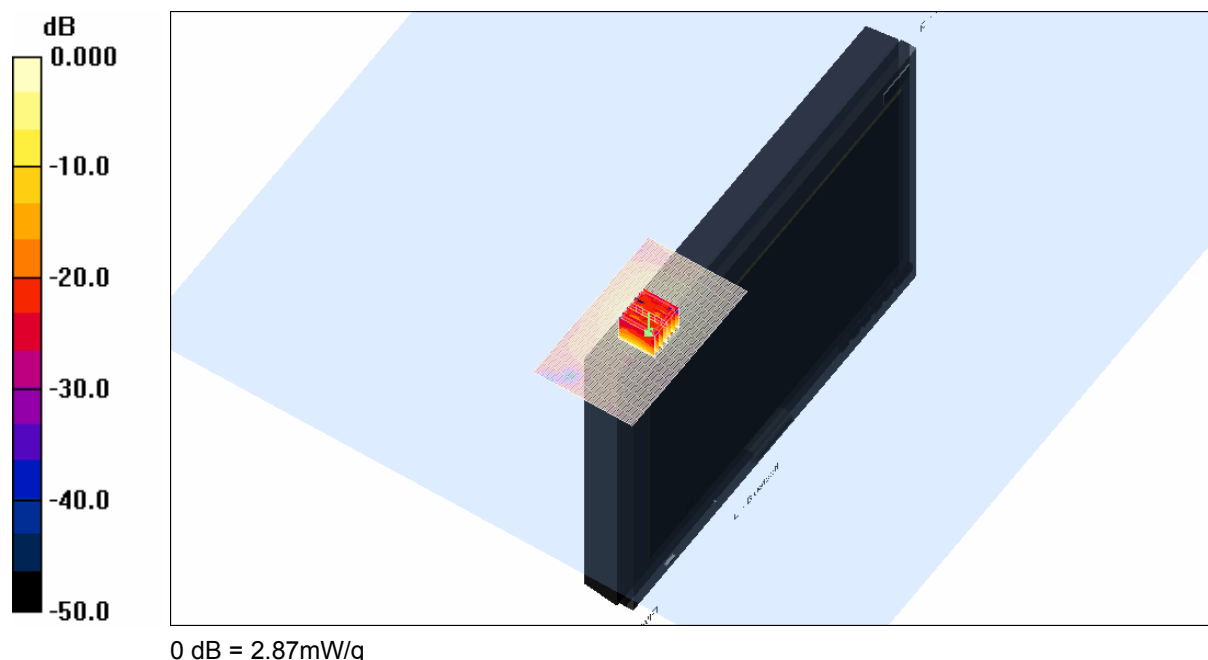
Channel 36 Test/Zoom Scan (7x7x8)/Cube 0: Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm

Reference Value = 16.6 V/m; Power Drift = -0.070 dB

Peak SAR (extrapolated) = 4.91 W/kg

SAR(1 g) = 1.44 mW/g; SAR(10 g) = 0.456 mW/g

Maximum value of SAR (measured) = 2.87 mW/g

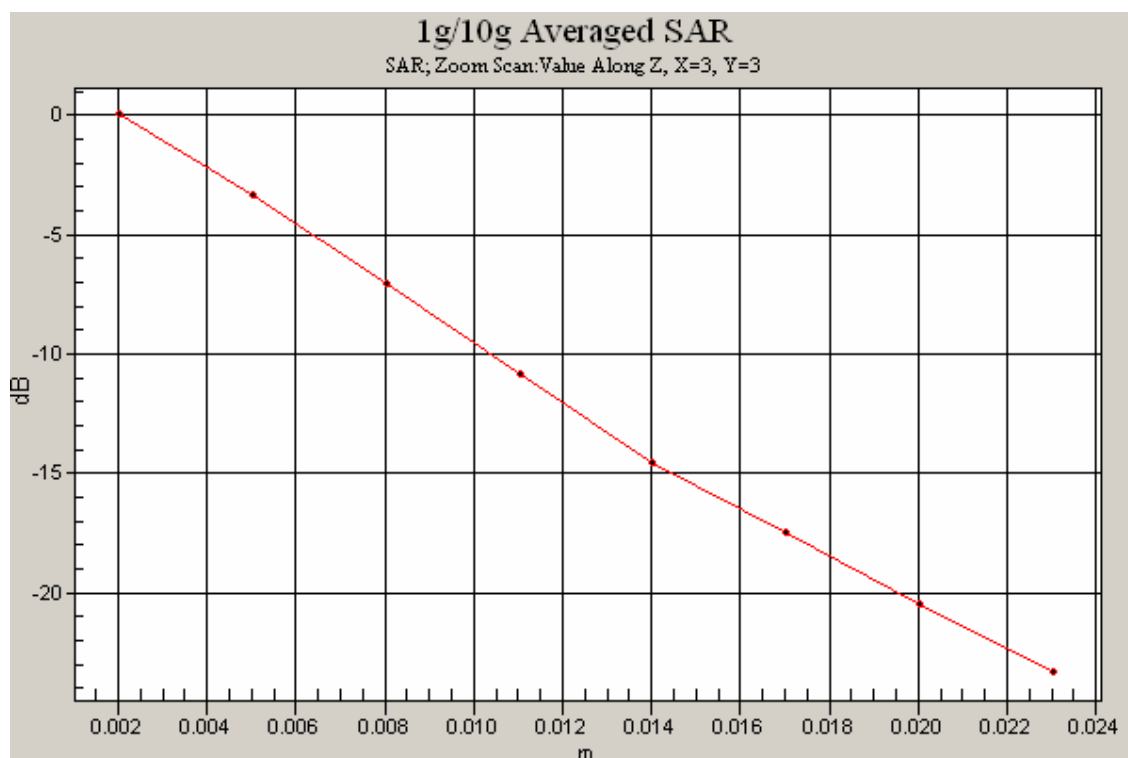


SAR MEASUREMENT PLOT 2

Ambient Temperature
Liquid Temperature
Humidity

20.8 Degrees Celsius
20.6 Degrees Celsius
46.0 %





Test Date: 7 August 2009

File Name: M090733 Secondary Landscape OFDM 5.2 GHz WiFi Antenna A (1) 07-08-09.da4

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

* Communication System: OFDM 5250 MHz; Frequency: 5260 MHz; Duty Cycle: 1:1

* Medium parameters used: $f = 5262$ MHz; $\sigma = 5.51$ mho/m; $\epsilon_r = 47$; $\rho = 1000$ kg/m³

- Electronics: DAE3 Sn442; Probe: EX3DV4 - SN3563; ConvF(3.92, 3.92, 3.92)

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

Channel 52 Test/Area Scan (71x121x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 1.66 mW/g

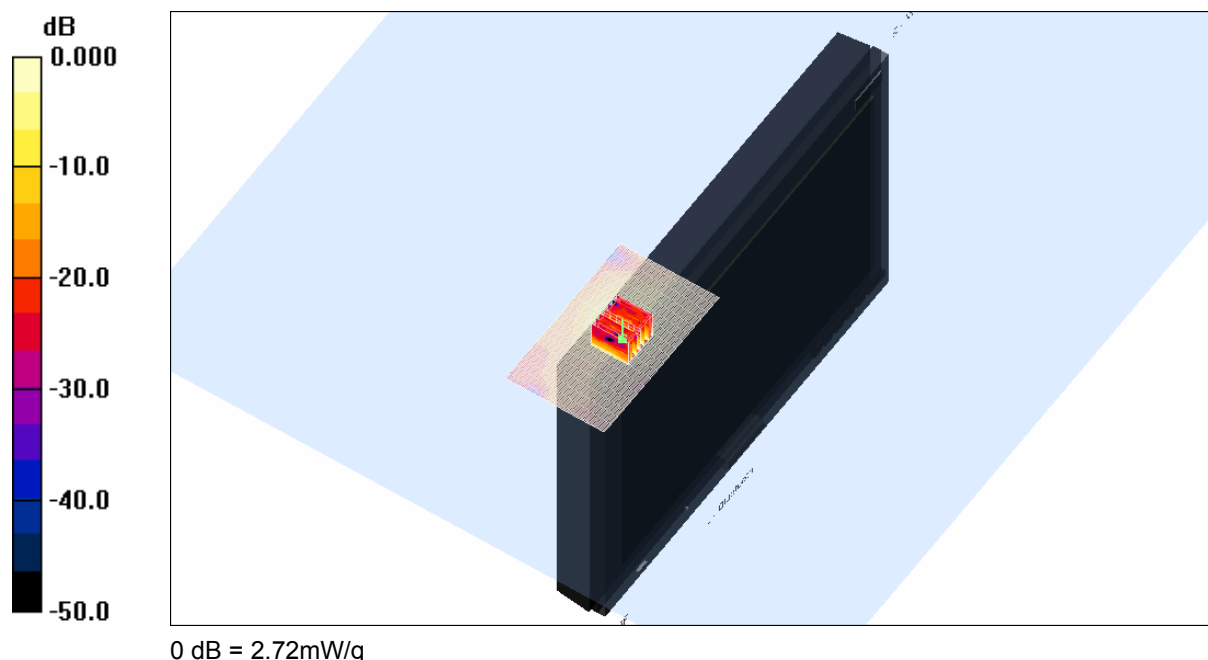
Channel 52 Test/Zoom Scan (7x7x8)/Cube 0: Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm

Reference Value = 16.4 V/m; Power Drift = -0.324 dB

Peak SAR (extrapolated) = 4.64 W/kg

SAR(1 g) = 1.35 mW/g; SAR(10 g) = 0.432 mW/g

Maximum value of SAR (measured) = 2.72 mW/g

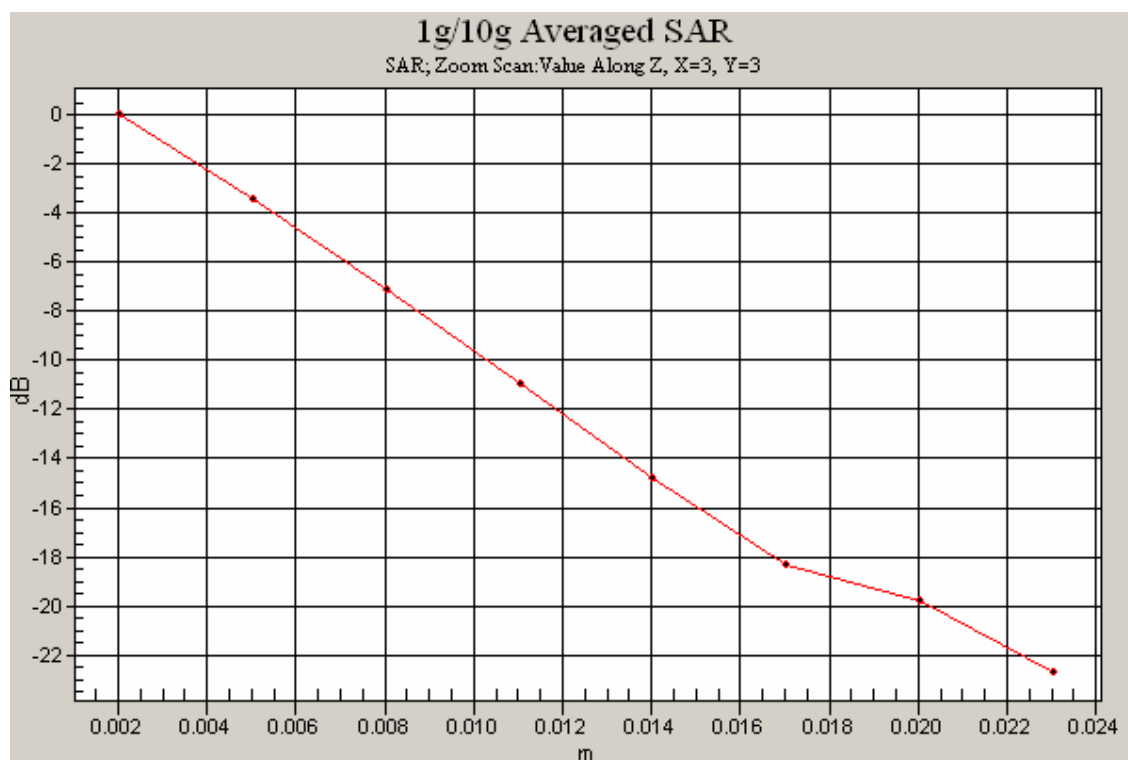


SAR MEASUREMENT PLOT 3

Ambient Temperature
Liquid Temperature
Humidity

20.8 Degrees Celsius
20.6 Degrees Celsius
46.0 %





Test Date: 7 August 2009

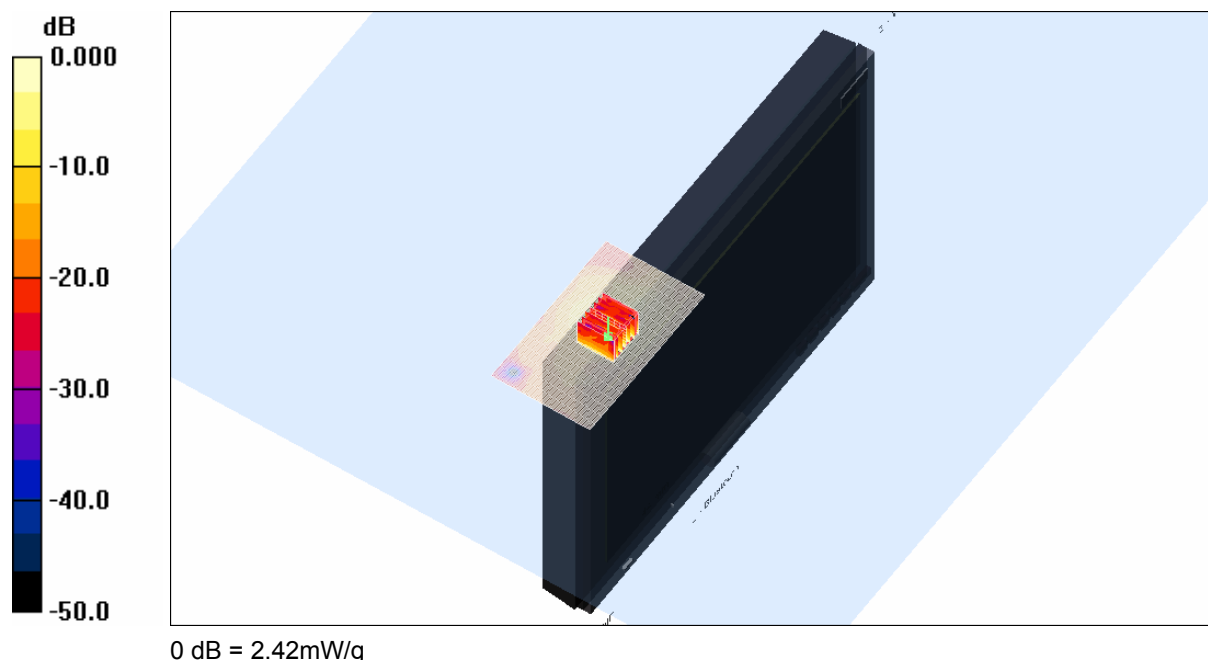
File Name: M090733 Secondary Landscape OFDM 5.2 GHz WiFi Antenna A (1) 07-08-09.da4

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

- * Communication System: OFDM 5250 MHz; Frequency: 5320 MHz; Duty Cycle: 1:1
- * Medium parameters used: $f = 5322$ MHz; $\sigma = 5.62$ mho/m; $\epsilon_r = 46.8$; $\rho = 1000$ kg/m³
- Electronics: DAE3 Sn442; Probe: EX3DV4 - SN3563; ConvF(3.92, 3.92, 3.92)
- Phantom: Flat Phantom 10.1; Serial: P 10.1; Phantom section: Flat 2.2 Section

Channel 64 Test/Area Scan (71x121x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 1.44 mW/g

Channel 64 Test/Zoom Scan (7x7x8)/Cube 0: Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm
Reference Value = 14.4 V/m; Power Drift = -0.055 dB
Peak SAR (extrapolated) = 4.19 W/kg
SAR(1 g) = 1.2 mW/g; SAR(10 g) = 0.382 mW/g
Maximum value of SAR (measured) = 2.42 mW/g



SAR MEASUREMENT PLOT 4

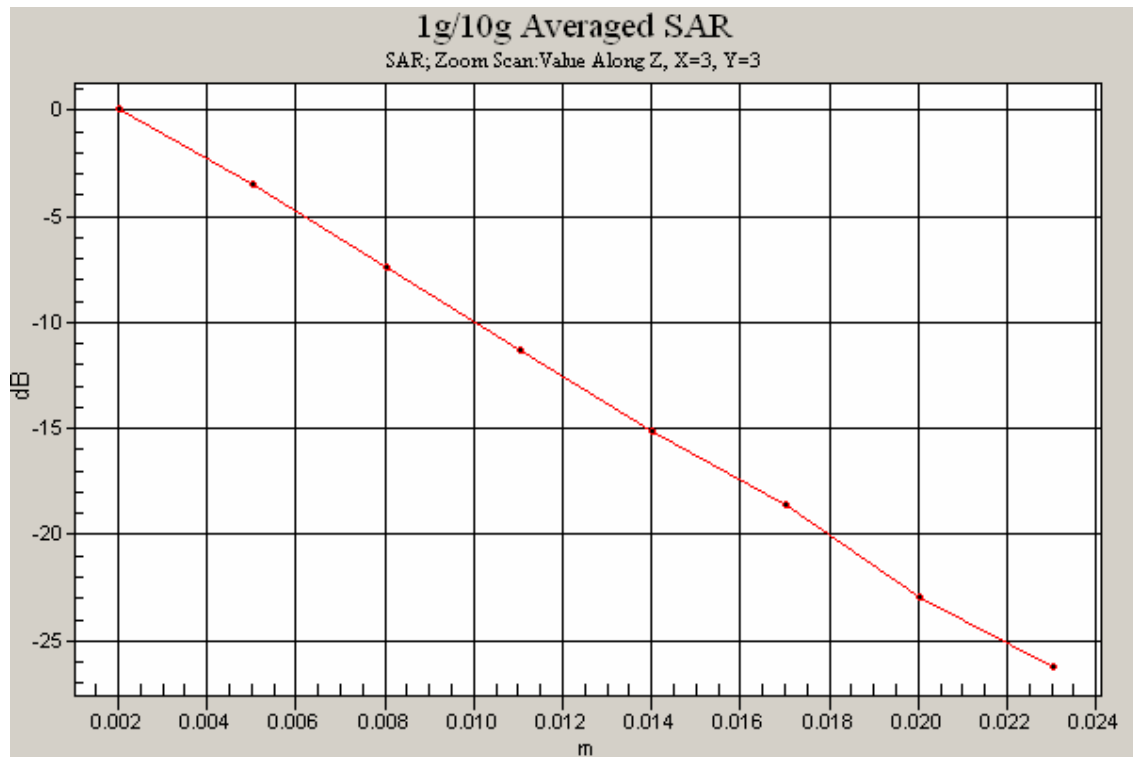
Ambient Temperature
Liquid Temperature
Humidity

20.8 Degrees Celsius
20.6 Degrees Celsius
46.0 %



Accreditation No. 5292

This document must not be copied or reproduced, except in full without the written permission of the Manager, EMC Technologies Pty Ltd. The certificate on page 3 may be reproduced in full.
www.emctech.com.au



Test Date: 18 August 2009

File Name: M090733 Secondary Landscape OFDM 5.2 GHz WiFi Antenna B (2) 18-08-09.da4

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

- * Communication System: OFDM 5250 MHz; Frequency: 5180 MHz; Duty Cycle: 1:1
- * Medium parameters used: $f = 5173$ MHz; $\sigma = 5.23$ mho/m; $\epsilon_r = 48.2$; $\rho = 1000$ kg/m³
- Electronics: DAE3 Sn442; Probe: EX3DV4 - SN3563; ConvF(3.92, 3.92, 3.92)
- Phantom: Flat Phantom 10.1; Serial: P 10.1; Phantom section: Flat 2.2 Section

Channel 36 Test/Area Scan (71x121x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 1.24 mW/g

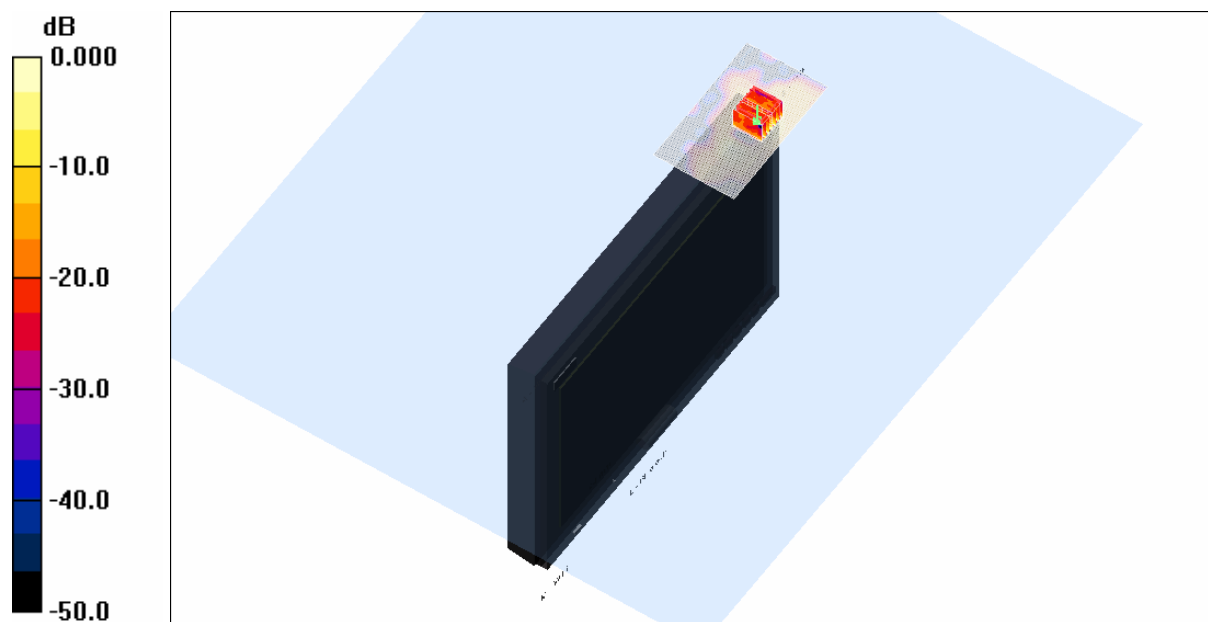
Channel 36 Test/Zoom Scan (7x7x8)/Cube 0: Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm

Reference Value = 21.6 V/m; Power Drift = 0.042 dB

Peak SAR (extrapolated) = 3.33 W/kg

SAR(1 g) = 0.932 mW/g; SAR(10 g) = 0.277 mW/g

Maximum value of SAR (measured) = 1.87 mW/g

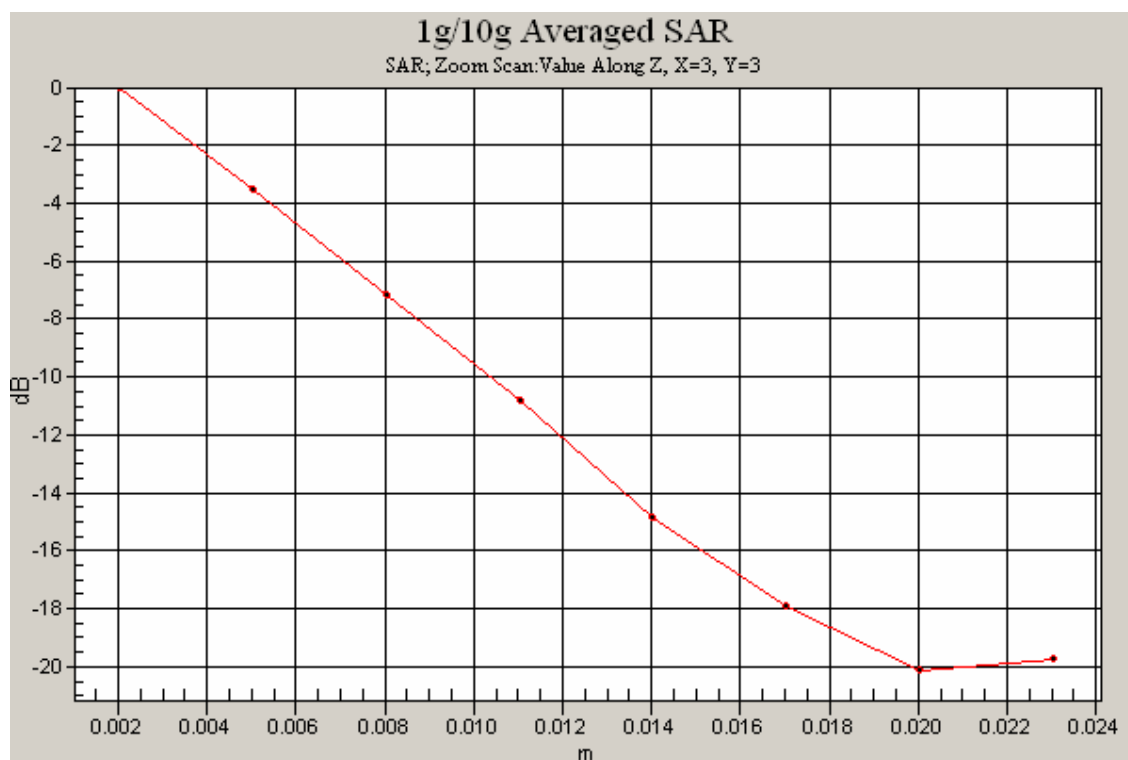


SAR MEASUREMENT PLOT 5

Ambient Temperature
Liquid Temperature
Humidity

20.5 Degrees Celsius
20.3 Degrees Celsius
43.0 %





Test Date: 7 August 2009

File Name: M090733 Secondary Landscape OFDM 5.2 GHz WiFi Antenna B (2) 07-08-09.da4

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

* Communication System: OFDM 5250 MHz; Frequency: 5260 MHz; Duty Cycle: 1:1

* Medium parameters used: $f = 5262$ MHz; $\sigma = 5.51$ mho/m; $\epsilon_r = 47$; $\rho = 1000$ kg/m³

- Electronics: DAE3 Sn442; Probe: EX3DV4 - SN3563; ConvF(3.92, 3.92, 3.92)

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

Channel 52 Test/Area Scan (71x121x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 1.22 mW/g

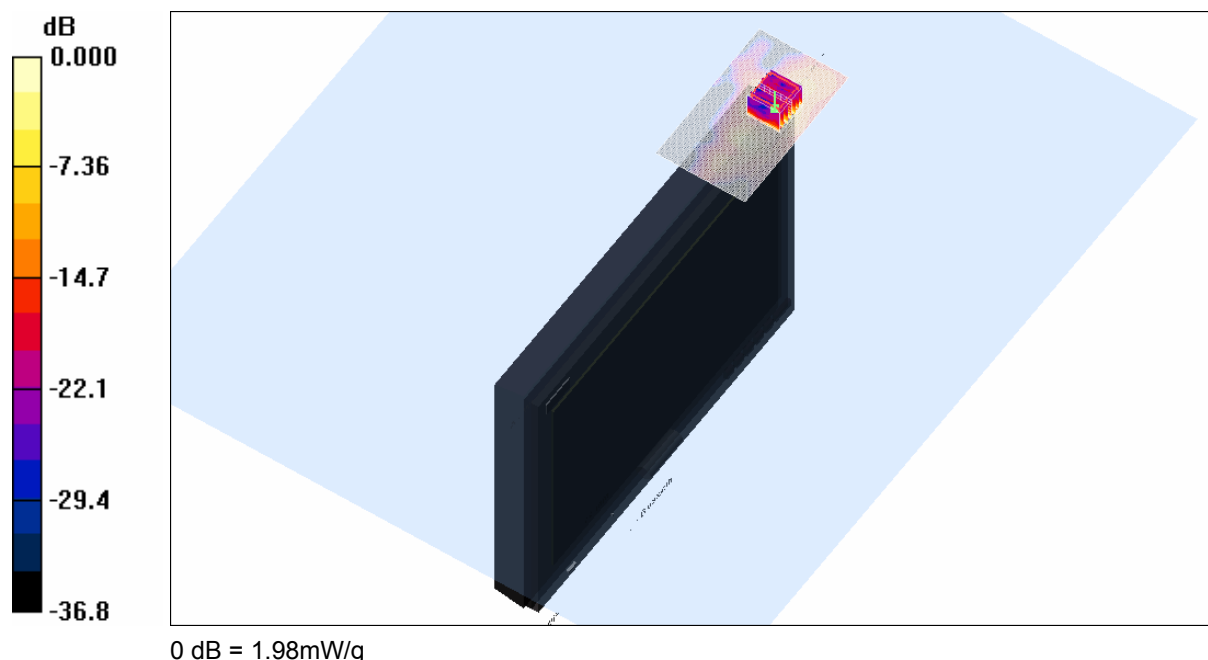
Channel 52 Test/Zoom Scan (7x7x8)/Cube 0: Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm

Reference Value = 13.6 V/m; Power Drift = -0.492 dB

Peak SAR (extrapolated) = 3.39 W/kg

SAR(1 g) = 0.992 mW/g; SAR(10 g) = 0.304 mW/g

Maximum value of SAR (measured) = 1.98 mW/g



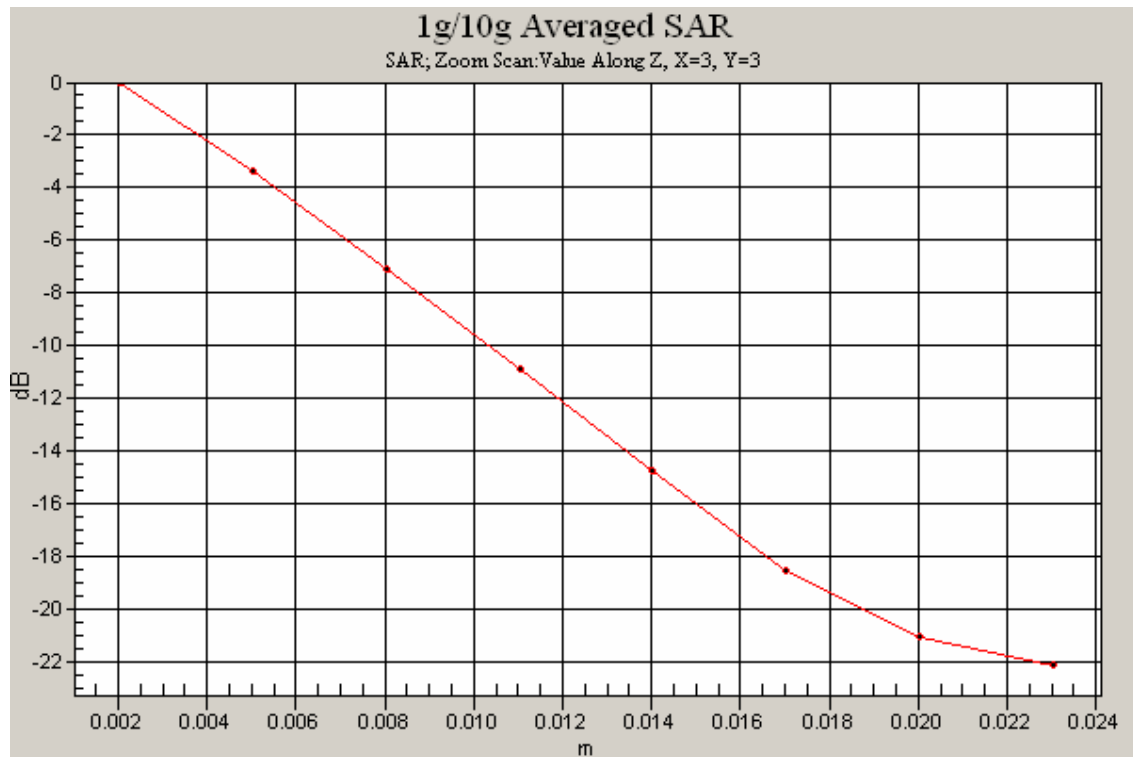
SAR MEASUREMENT PLOT 6

Ambient Temperature
Liquid Temperature
Humidity

20.8 Degrees Celsius
20.6 Degrees Celsius
46.0 %



This document must not be copied or reproduced, except in full without the written permission of the Manager, EMC Technologies Pty Ltd. The certificate on page 3 may be reproduced in full.
www.emctech.com.au



Test Date: 18 August 2009

File Name: M090733 Secondary Landscape OFDM 5.2 GHz WiFi Antenna B (2) 18-08-09.da4

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

- * Communication System: OFDM 5250 MHz; Frequency: 5320 MHz; Duty Cycle: 1:1
- * Medium parameters used: $f = 5319$ MHz; $\sigma = 5.54$ mho/m; $\epsilon_r = 47.8$; $\rho = 1000$ kg/m³
- Electronics: DAE3 Sn442; Probe: EX3DV4 - SN3563; ConvF(3.92, 3.92, 3.92)
- Phantom: Flat Phantom 10.1; Serial: P 10.1; Phantom section: Flat 2.2 Section

Channel 64 Test/Area Scan (71x121x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.995 mW/g

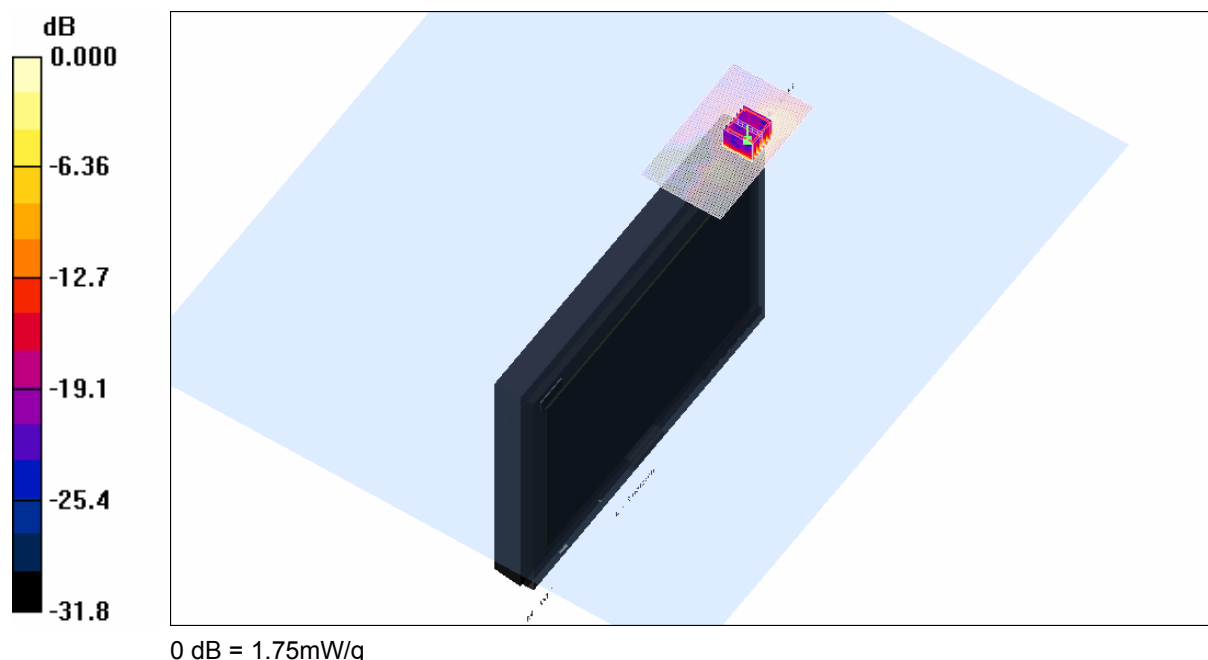
Channel 64 Test/Zoom Scan (7x7x8)/Cube 0: Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm

Reference Value = 15.6 V/m; Power Drift = -0.182 dB

Peak SAR (extrapolated) = 3.13 W/kg

SAR(1 g) = 0.869 mW/g; SAR(10 g) = 0.275 mW/g

Maximum value of SAR (measured) = 1.75 mW/g

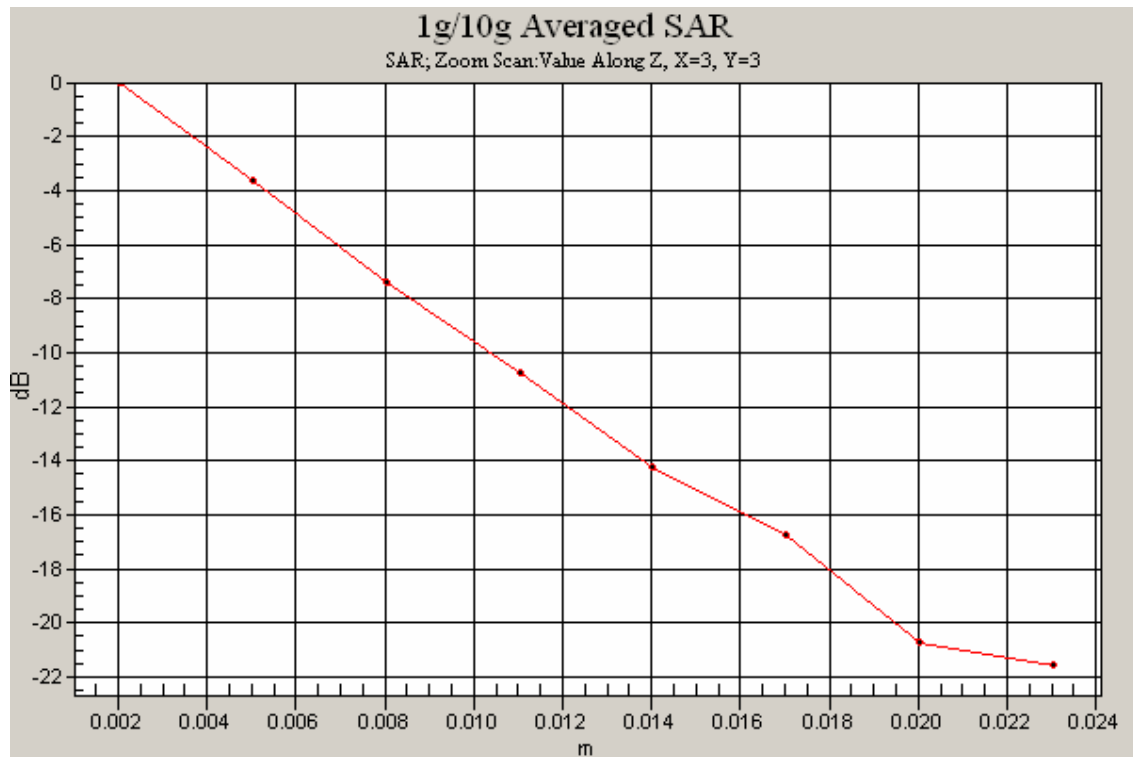


SAR MEASUREMENT PLOT 7

Ambient Temperature
Liquid Temperature
Humidity

20.5 Degrees Celsius
20.3 Degrees Celsius
43.0 %





Test Date: 7 August 2009

File Name: M090733 Tablet OFDM 5.2 GHz WiFi Antenna A (1) 07-08-09.da4

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

* Communication System: OFDM 5250 MHz; Frequency: 5260 MHz; Duty Cycle: 1:1

* Medium parameters used: $f = 5262$ MHz; $\sigma = 5.51$ mho/m; $\epsilon_r = 47$; $\rho = 1000$ kg/m³

- Electronics: DAE3 Sn442; Probe: EX3DV4 - SN3563; ConvF(3.92, 3.92, 3.92)

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

Channel 52 Test/Area Scan (71x121x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.193 mW/g

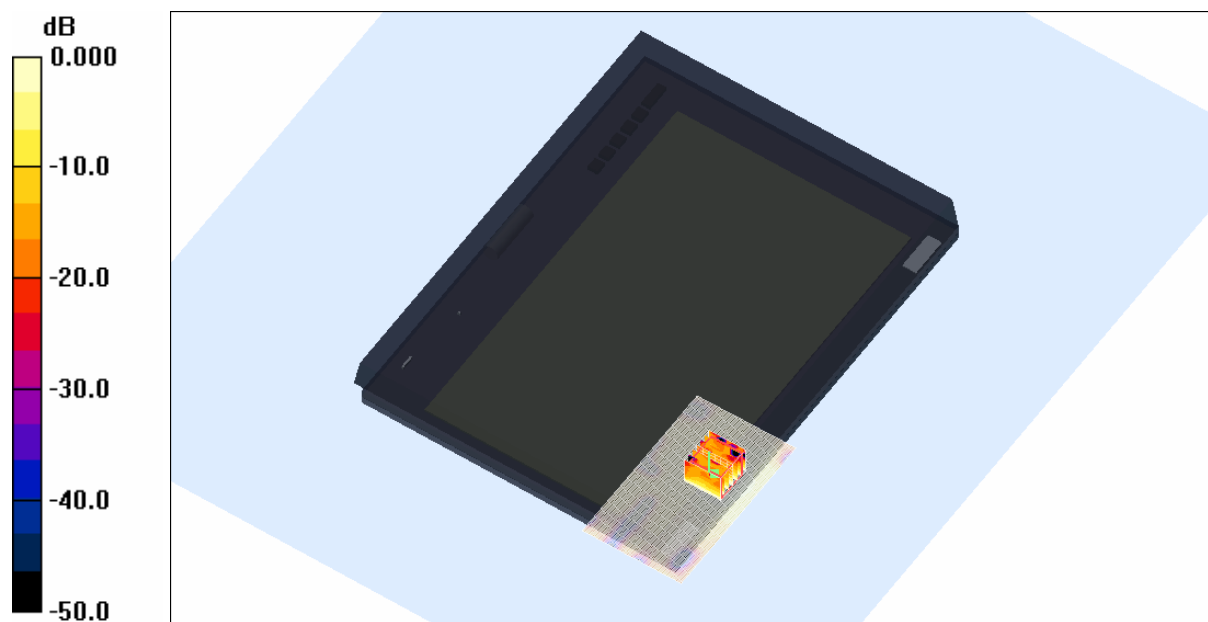
Channel 52 Test/Zoom Scan (7x7x8)/Cube 0: Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm

Reference Value = 3.44 V/m; Power Drift = -0.315 dB

Peak SAR (extrapolated) = 0.554 W/kg

SAR(1 g) = 0.189 mW/g; SAR(10 g) = 0.073 mW/g

Maximum value of SAR (measured) = 0.349 mW/g



0 dB = 0.349mW/g

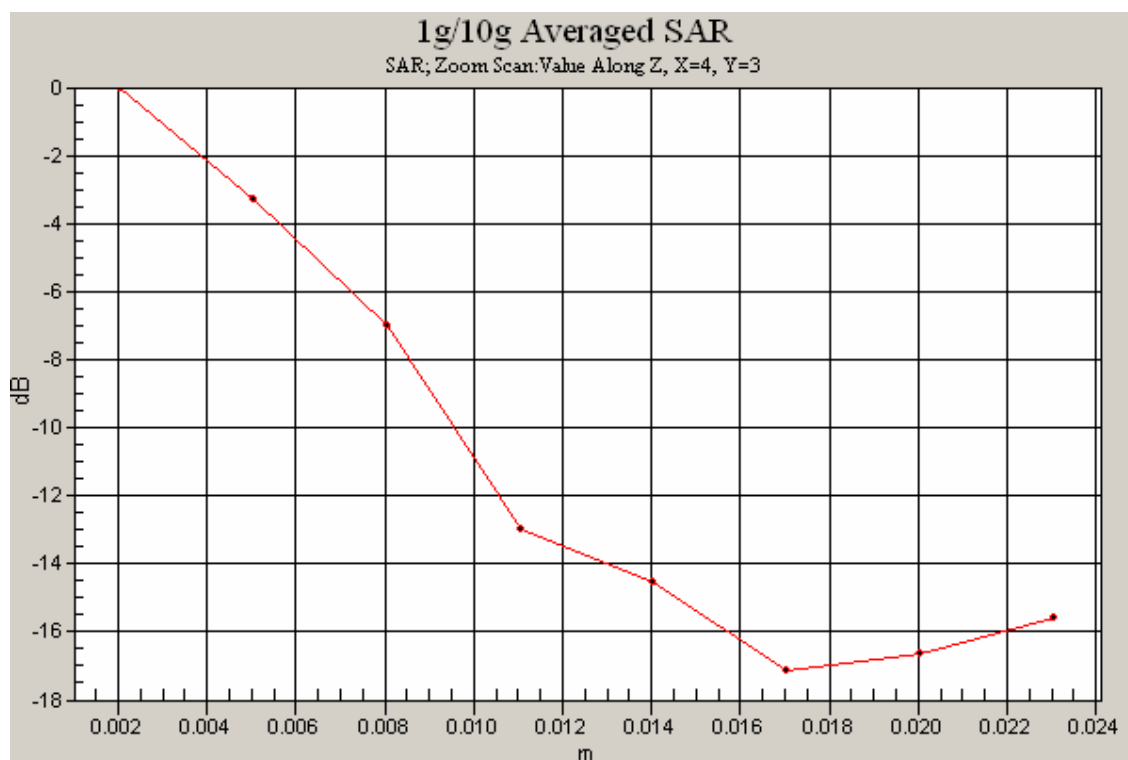
SAR MEASUREMENT PLOT 8

Ambient Temperature
Liquid Temperature
Humidity

20.8 Degrees Celsius
20.6 Degrees Celsius
46.0 %



This document must not be copied or reproduced, except in full without the written permission of the Manager, EMC Technologies Pty Ltd. The certificate on page 3 may be reproduced in full.
www.emctech.com.au



Test Date: 7 August 2009

File Name: M090733 Tablet OFDM 5.2 GHz WiFi Antenna B (2) 07-08-09.da4

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

* Communication System: OFDM 5250 MHz; Frequency: 5260 MHz; Duty Cycle: 1:1

* Medium parameters used: $f = 5262$ MHz; $\sigma = 5.51$ mho/m; $\epsilon_r = 47$; $\rho = 1000$ kg/m³

- Electronics: DAE3 Sn442; Probe: EX3DV4 - SN3563; ConvF(3.92, 3.92, 3.92)

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

Channel 52 Test/Area Scan (71x121x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.070 mW/g

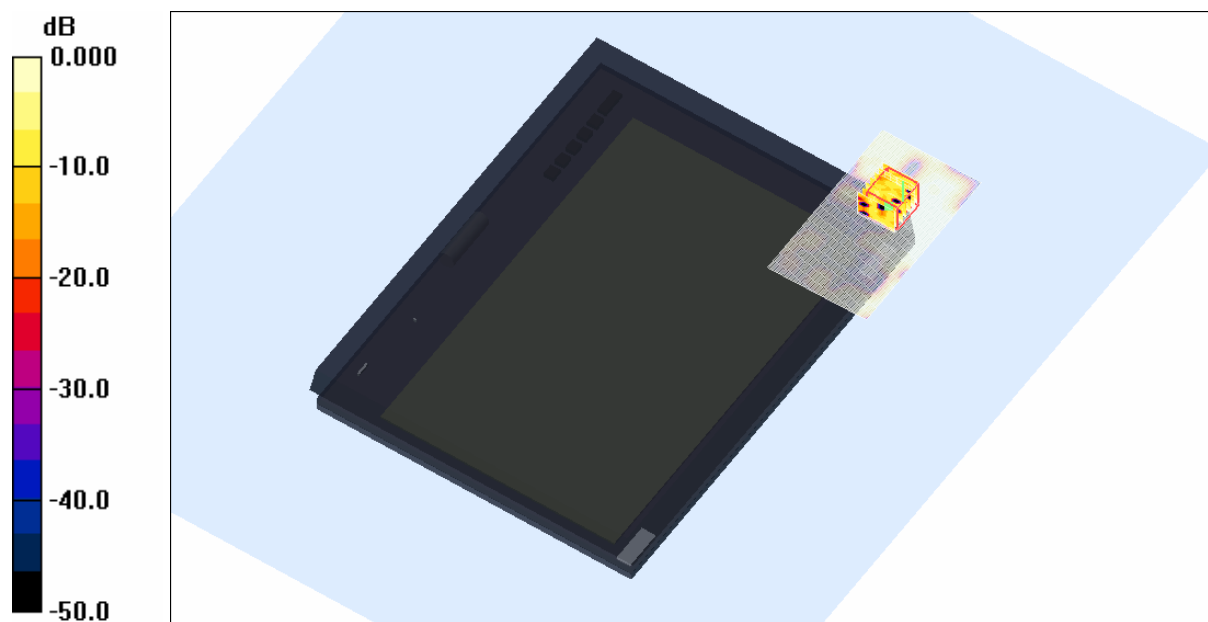
Channel 52 Test/Zoom Scan (7x7x8)/Cube 0: Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm

Reference Value = 3.11 V/m; Power Drift = 0.133 dB

Peak SAR (extrapolated) = 0.148 W/kg

SAR(1 g) = 0.039 mW/g; SAR(10 g) = 0.014 mW/g

Maximum value of SAR (measured) = 0.068 mW/g



0 dB = 0.068mW/g

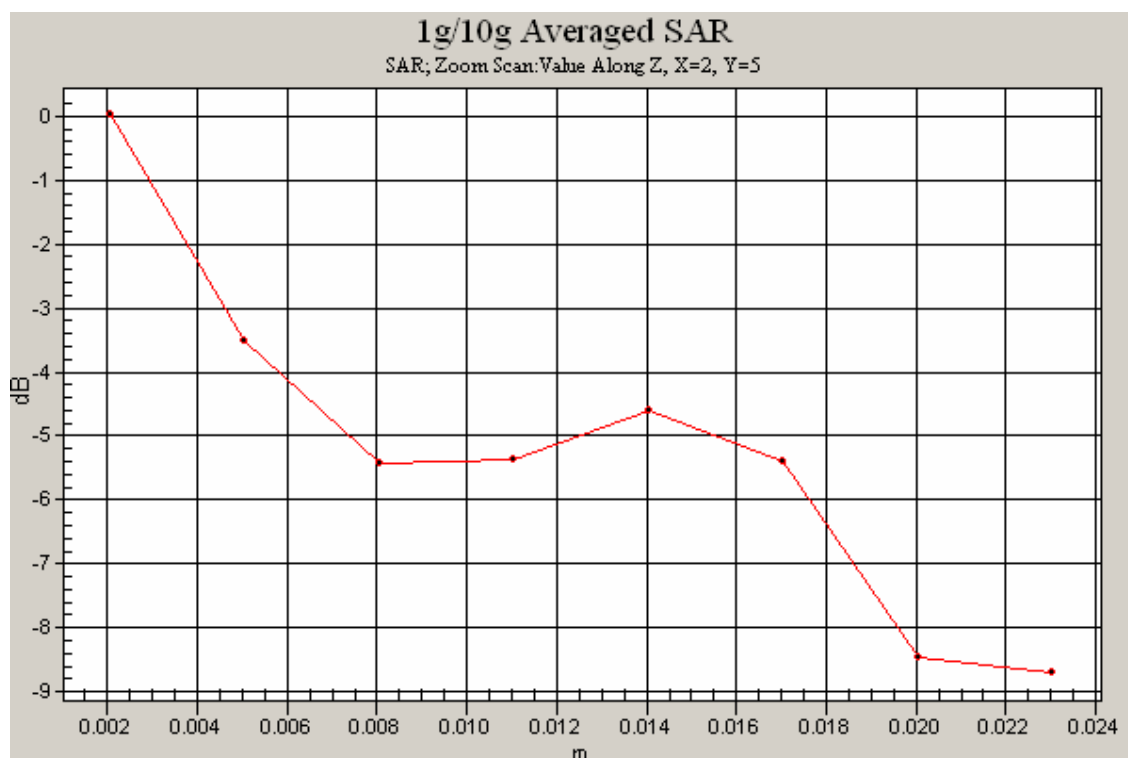
SAR MEASUREMENT PLOT 9

Ambient Temperature
Liquid Temperature
Humidity

20.8 Degrees Celsius
20.6 Degrees Celsius
46.0 %



This document must not be copied or reproduced, except in full without the written permission of the Manager, EMC Technologies Pty Ltd. The certificate on page 3 may be reproduced in full.
www.emctech.com.au



Test Date: 7 August 2009

File Name: M090733 Primary Landscape OFDM 5.2 GHz WiFi Antenna C (3) 07-08-09.da4

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

* Communication System: OFDM 5250 MHz; Frequency: 5260 MHz; Duty Cycle: 1:1

* Medium parameters used: $f = 5262$ MHz; $\sigma = 5.51$ mho/m; $\epsilon_r = 47$; $\rho = 1000$ kg/m³

- Electronics: DAE3 Sn442; Probe: EX3DV4 - SN3563; ConvF(3.92, 3.92, 3.92)

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

Channel 52 Test/Area Scan (71x121x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.394 mW/g

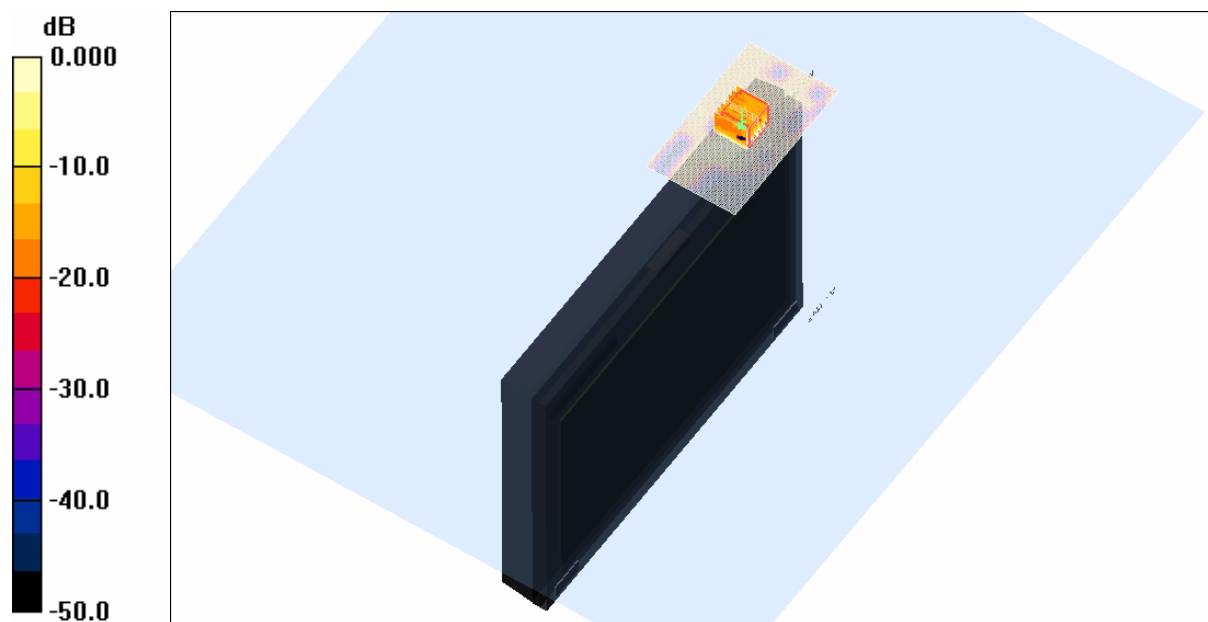
Channel 52 Test/Zoom Scan (7x7x8)/Cube 0: Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm

Reference Value = 6.57 V/m; Power Drift = 0.079 dB

Peak SAR (extrapolated) = 1.46 W/kg

SAR(1 g) = 0.260 mW/g; SAR(10 g) = 0.076 mW/g

Maximum value of SAR (measured) = 0.539 mW/g



0 dB = 0.539mW/g

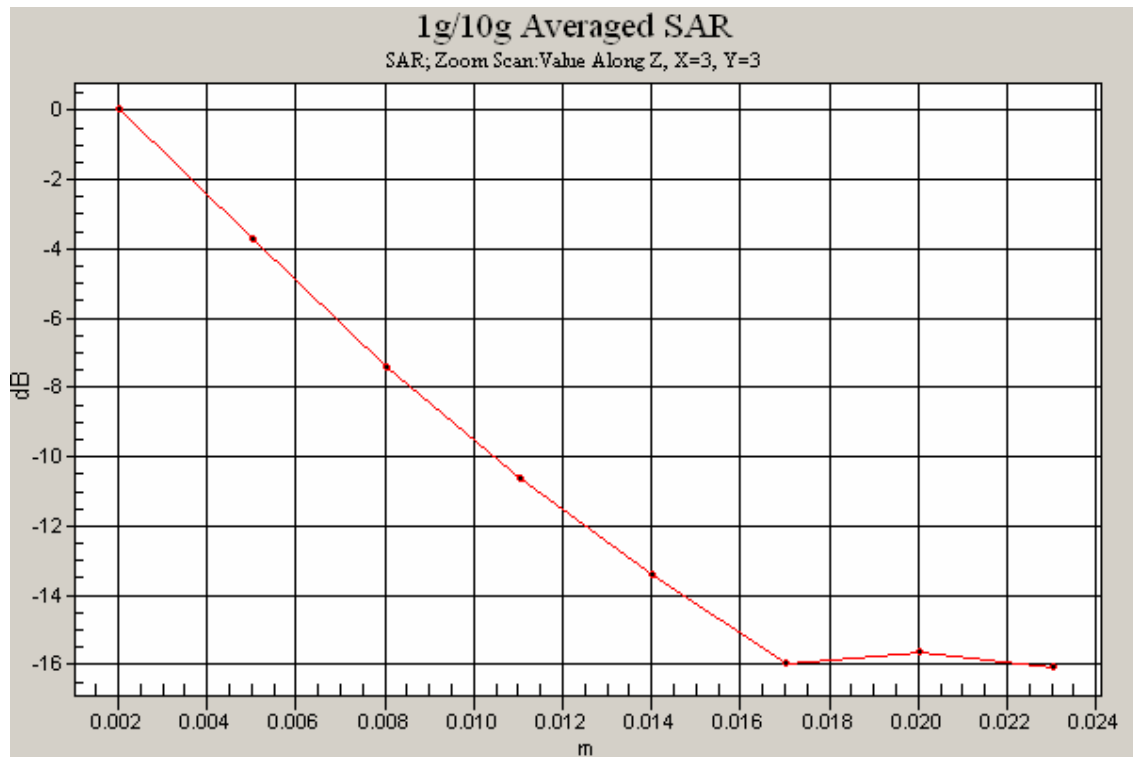
SAR MEASUREMENT PLOT 10

Ambient Temperature
Liquid Temperature
Humidity

20.8 Degrees Celsius
20.6 Degrees Celsius
46.0 %



This document must not be copied or reproduced, except in full without the written permission of the Manager, EMC Technologies Pty Ltd. The certificate on page 3 may be reproduced in full.
www.emctech.com.au



Test Date: 5 August 2009

File Name: M090733 Primary Portrait OFDM 5.6 GHz WiFi Antenna A (1) 05-08-09.da4

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

* Communication System: OFDM 5600 MHz; Frequency: 5600 MHz; Duty Cycle: 1:1

* Medium parameters used: $f = 5600$ MHz; $\sigma = 6.12$ mho/m; $\epsilon_r = 47$; $\rho = 1000$ kg/m³

- Electronics: DAE3 Sn442; Probe: EX3DV4 - SN3563; ConvF(3.36, 3.36, 3.36)

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

Channel 120 Test/Area Scan (71x121x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.422 mW/g

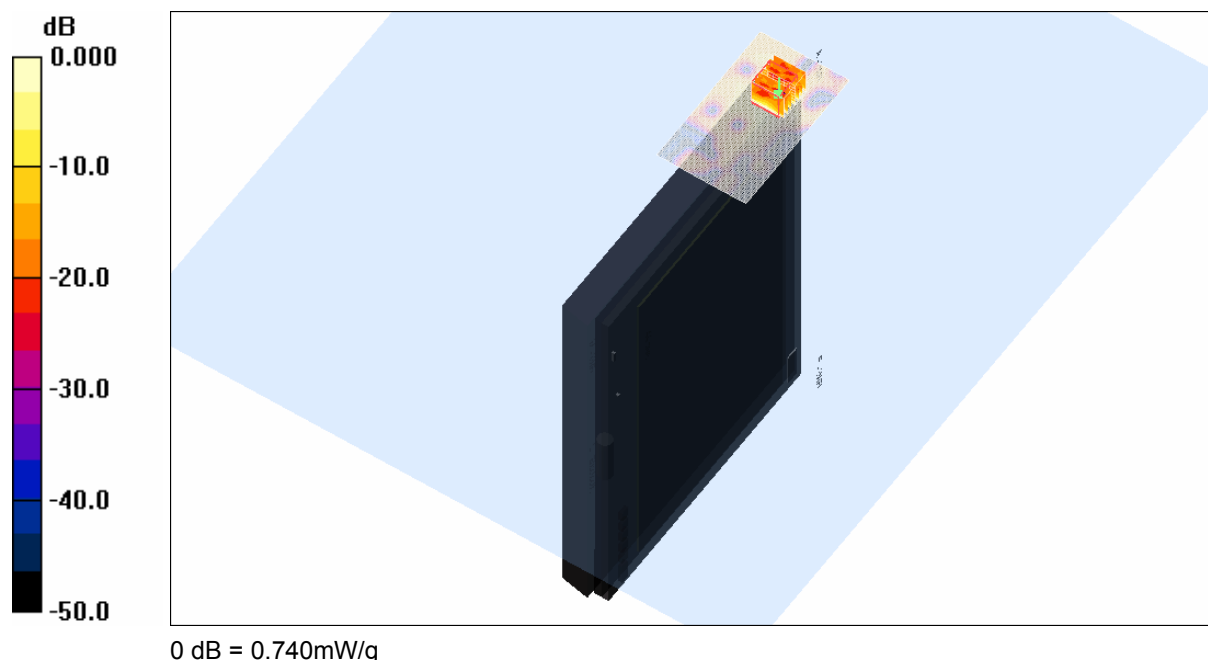
Channel 120 Test/Zoom Scan (7x7x8)/Cube 0: Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm

Reference Value = 8.86 V/m; Power Drift = 0.321 dB

Peak SAR (extrapolated) = 1.65 W/kg

SAR(1 g) = 0.351 mW/g; SAR(10 g) = 0.111 mW/g

Maximum value of SAR (measured) = 0.740 mW/g



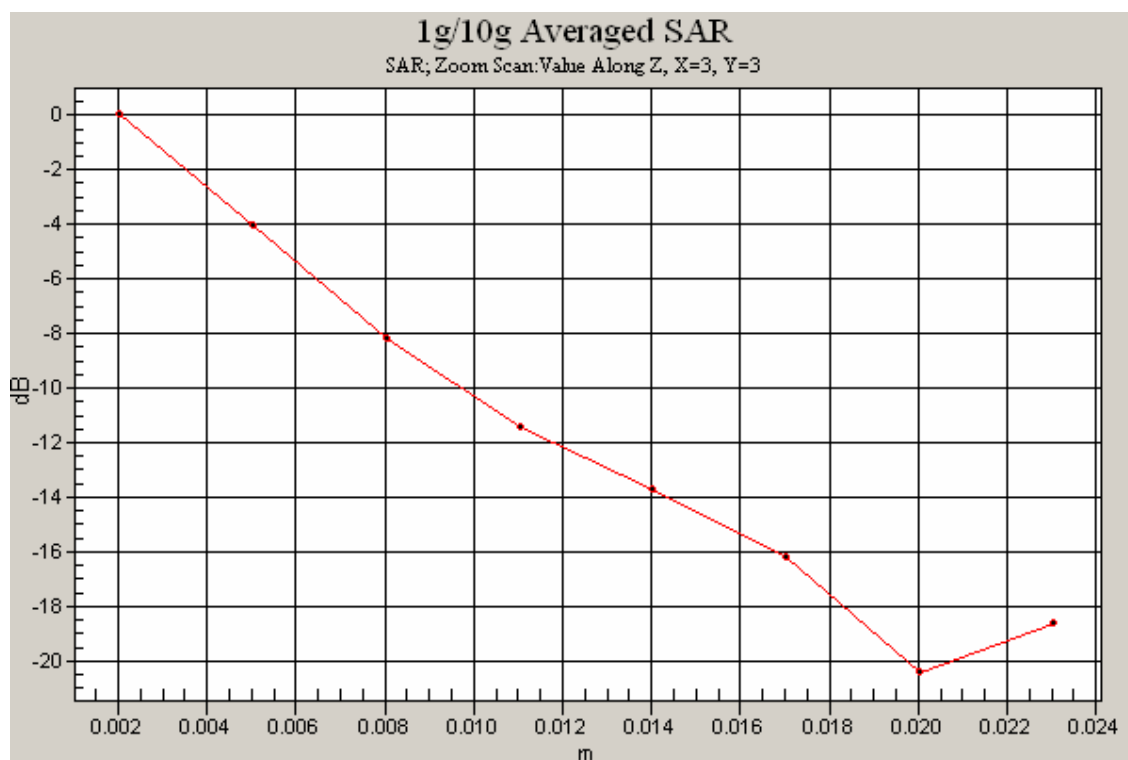
Ambient Temperature
Liquid Temperature
Humidity

20.9 Degrees Celsius
20.5 Degrees Celsius
42.0 %



Accreditation No. 5292

This document must not be copied or reproduced, except in full without the written permission of the Manager, EMC Technologies Pty Ltd. The certificate on page 3 may be reproduced in full.
www.emctech.com.au



Test Date: 5 August 2009

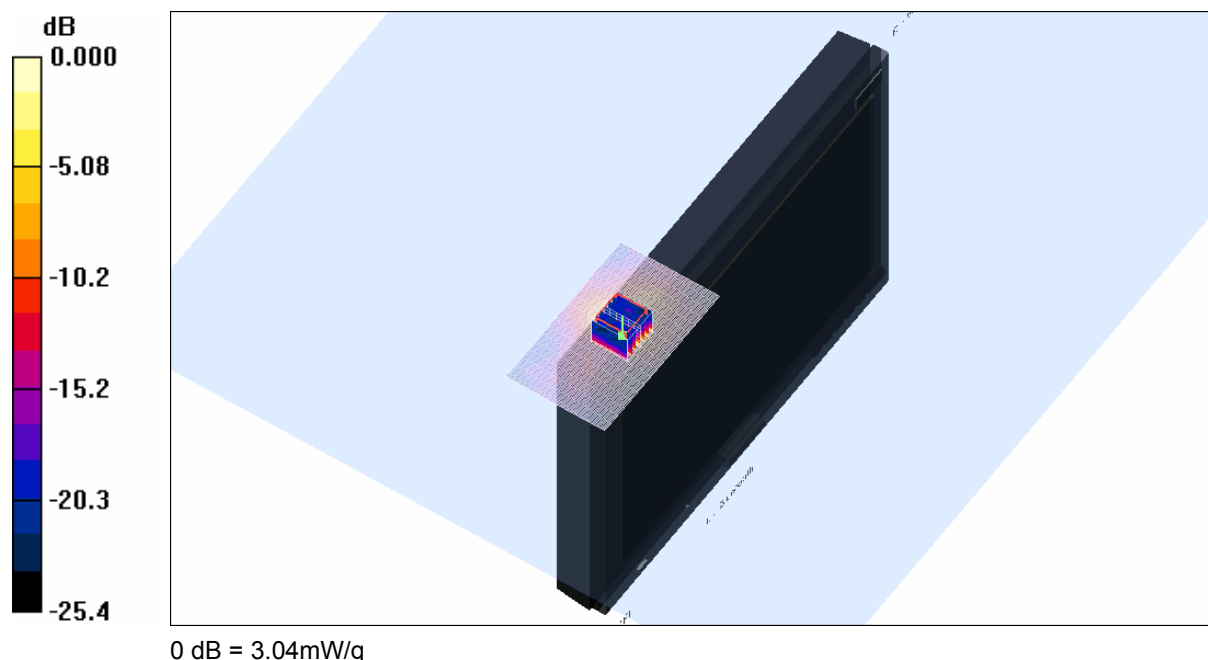
File Name: M090733 Secondary Landscape OFDM 5.6 GHz WiFi Antenna A (1) 05-08-09.da4

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

- * Communication System: OFDM 5600 MHz; Frequency: 5500 MHz; Duty Cycle: 1:1
- * Medium parameters used: $f = 5498$ MHz; $\sigma = 5.93$ mho/m; $\epsilon_r = 47.4$; $\rho = 1000$ kg/m³
- Electronics: DAE3 Sn442; Probe: EX3DV4 - SN3563; ConvF(3.36, 3.36, 3.36)
- Phantom: Flat Phantom 10.1; Serial: P 10.1; Phantom section: Flat 2.2 Section

Channel 100 Test/Area Scan (71x121x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 1.96 mW/g

Channel 100 Test/Zoom Scan (7x7x8)/Cube 0: Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm
Reference Value = 12.9 V/m; Power Drift = -0.176 dB
Peak SAR (extrapolated) = 5.43 W/kg
SAR(1 g) = 1.54 mW/g; SAR(10 g) = 0.502 mW/g
Maximum value of SAR (measured) = 3.04 mW/g

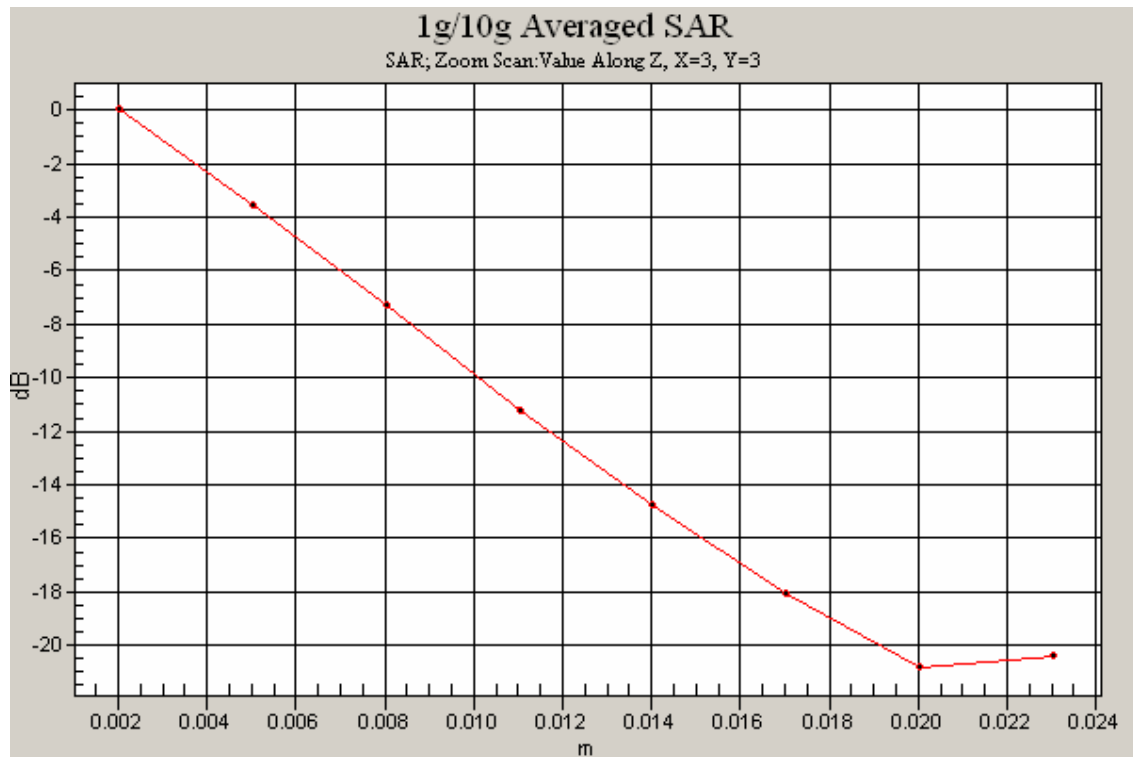


SAR MEASUREMENT PLOT 12

Ambient Temperature
Liquid Temperature
Humidity

20.9 Degrees Celsius
20.5 Degrees Celsius
42.0 %





Test Date: 5 August 2009

File Name: M090733 Secondary Landscape OFDM 5.6 GHz WiFi Antenna A (1) 05-08-09.da4

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

* Communication System: OFDM 5600 MHz; Frequency: 5600 MHz; Duty Cycle: 1:1

* Medium parameters used: $f = 5600$ MHz; $\sigma = 6.12$ mho/m; $\epsilon_r = 47$; $\rho = 1000$ kg/m³

- Electronics: DAE3 Sn442; Probe: EX3DV4 - SN3563; ConvF(3.36, 3.36, 3.36)

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

Channel 120 Test/Area Scan (71x121x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 1.50 mW/g

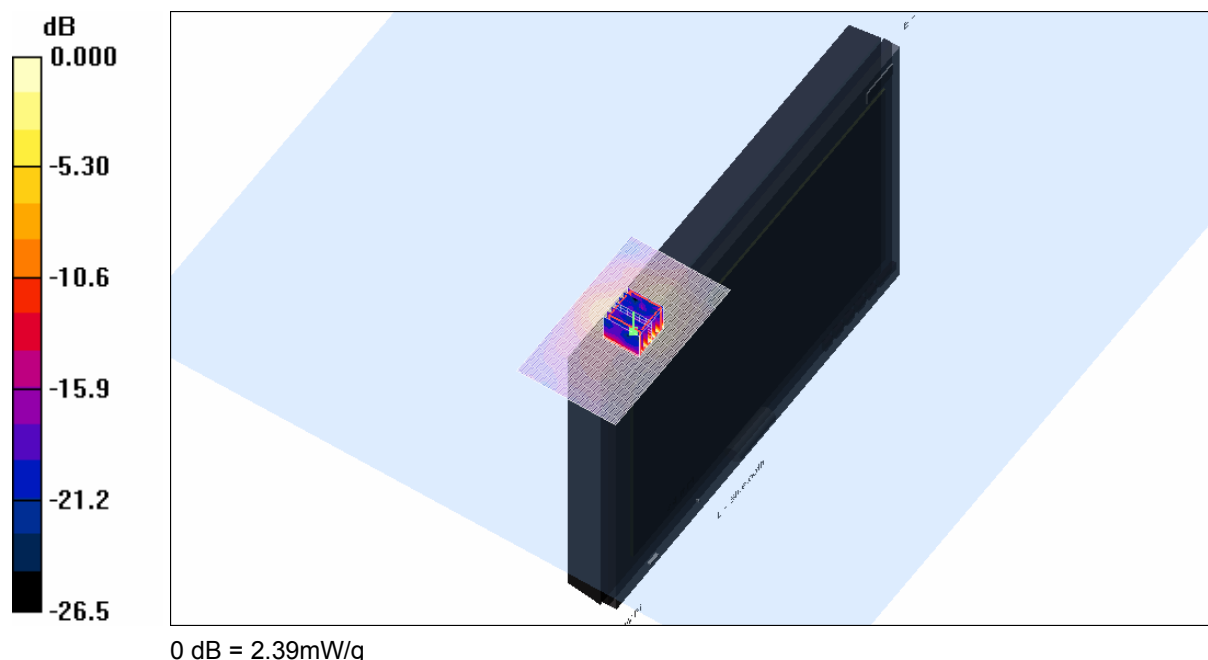
Channel 120 Test/Zoom Scan (7x7x8)/Cube 0: Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm

Reference Value = 13.4 V/m; Power Drift = -0.337 dB

Peak SAR (extrapolated) = 4.09 W/kg

SAR(1 g) = 1.18 mW/g; SAR(10 g) = 0.393 mW/g

Maximum value of SAR (measured) = 2.39 mW/g

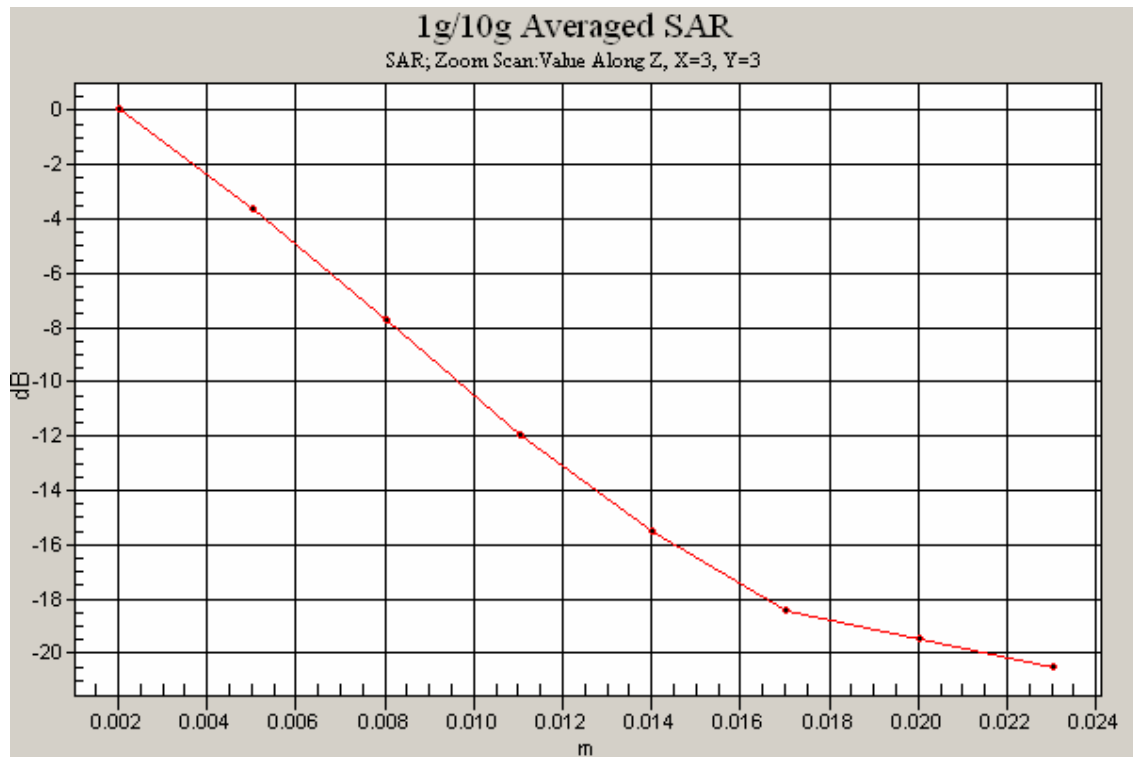


SAR MEASUREMENT PLOT 13

Ambient Temperature
Liquid Temperature
Humidity

20.9 Degrees Celsius
20.5 Degrees Celsius
42.0 %





Test Date: 5 August 2009

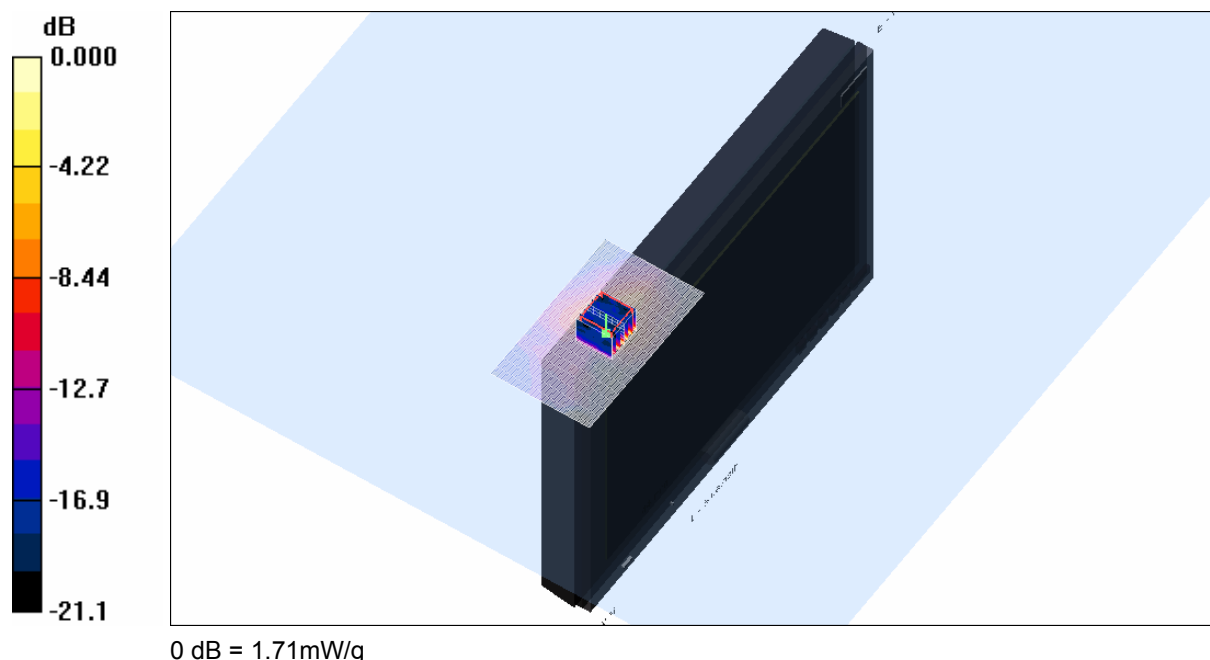
File Name: M090733 Secondary Landscape OFDM 5.6 GHz WiFi Antenna A (1) 05-08-09.da4

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

- * Communication System: OFDM 5600 MHz; Frequency: 5700 MHz; Duty Cycle: 1:1
- * Medium parameters used: $f = 5702$ MHz; $\sigma = 6.28$ mho/m; $\epsilon_r = 46.7$; $\rho = 1000$ kg/m³
- Electronics: DAE3 Sn442; Probe: EX3DV4 - SN3563; ConvF(3.36, 3.36, 3.36)
- Phantom: Flat Phantom 10.1; Serial: P 10.1; Phantom section: Flat 2.2 Section

Channel 140 Test/Area Scan (71x121x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 1.04 mW/g

Channel 140 Test/Zoom Scan (7x7x8)/Cube 0: Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm
Reference Value = 9.86 V/m; Power Drift = 0.001 dB
Peak SAR (extrapolated) = 2.97 W/kg
SAR(1 g) = 0.890 mW/g; SAR(10 g) = 0.304 mW/g
Maximum value of SAR (measured) = 1.71 mW/g



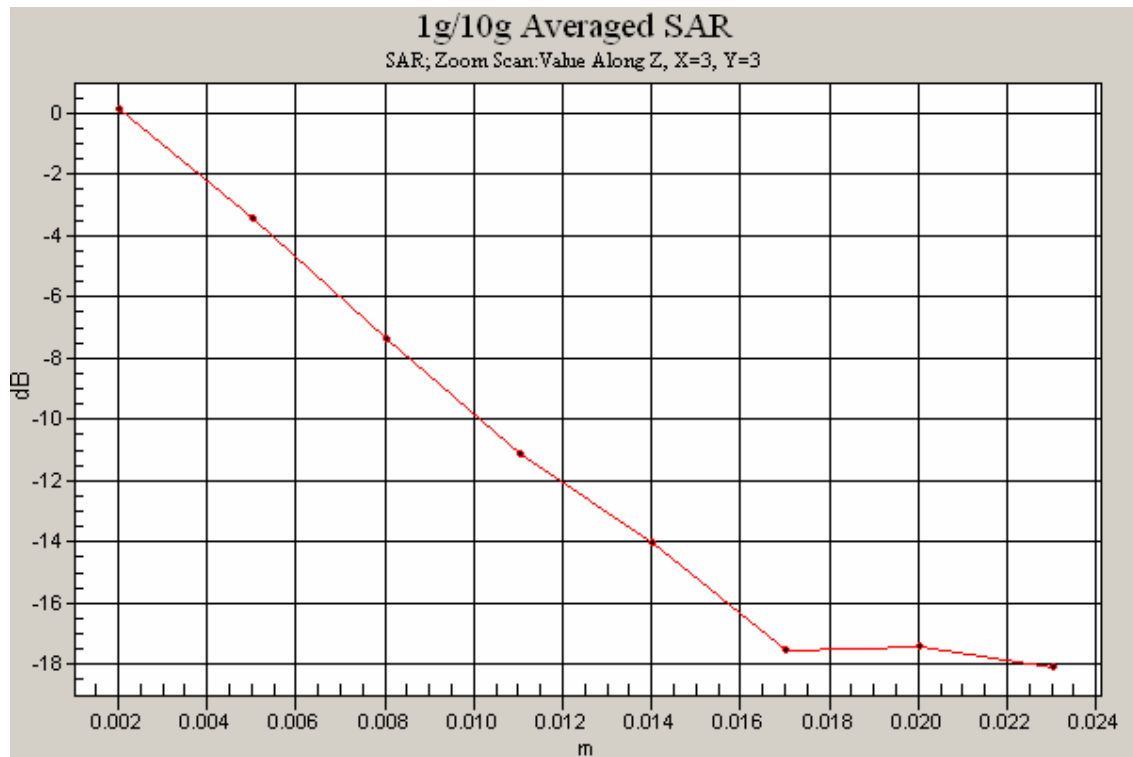
SAR MEASUREMENT PLOT 14

Ambient Temperature
Liquid Temperature
Humidity

20.9 Degrees Celsius
20.5 Degrees Celsius
42.0 %



This document must not be copied or reproduced, except in full without the written permission of the Manager, EMC Technologies Pty Ltd. The certificate on page 3 may be reproduced in full.
www.emctech.com.au



Test Date: 19 August 2009

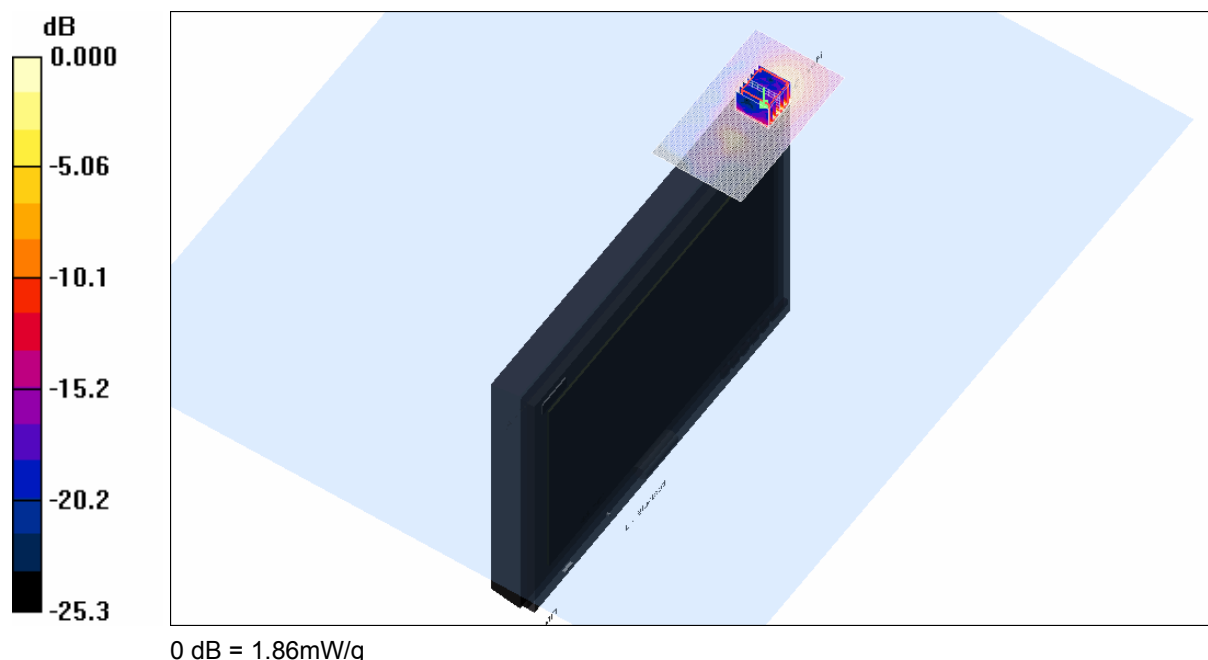
File Name: M090733 Secondary Landscape OFDM 5.6 GHz WiFi Antenna B (2) 19-08-09.da4

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

- * Communication System: OFDM 5600 MHz; Frequency: 5500 MHz; Duty Cycle: 1:1
- * Medium parameters used: $f = 5494.2$ MHz; $\sigma = 5.89$ mho/m; $\epsilon_r = 47.2$; $\rho = 1000$ kg/m³
- Electronics: DAE3 Sn442; Probe: EX3DV4 - SN3563; ConvF(3.36, 3.36, 3.36)
- Phantom: Flat Phantom 10.1; Serial: P 10.1; Phantom section: Flat 2.2 Section

Channel 100 Test/Area Scan (71x121x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 1.10 mW/g

Channel 100 Test/Zoom Scan (7x7x8)/Cube 0: Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm
Reference Value = 11.5 V/m; Power Drift = -0.209 dB
Peak SAR (extrapolated) = 3.16 W/kg
SAR(1 g) = 0.901 mW/g; SAR(10 g) = 0.292 mW/g
Maximum value of SAR (measured) = 1.86 mW/g

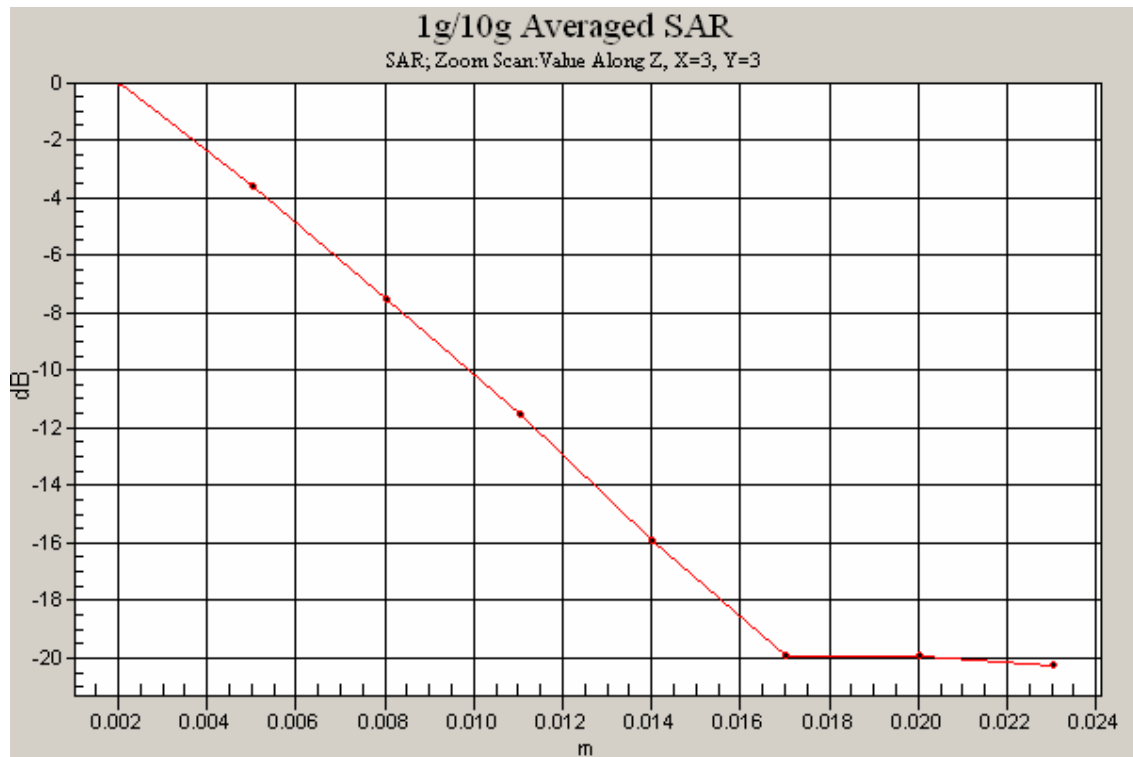


SAR MEASUREMENT PLOT 15

Ambient Temperature
Liquid Temperature
Humidity

20.3 Degrees Celsius
20.0 Degrees Celsius
42.0 %





Test Date: 5 August 2009

File Name: M090733 Secondary Landscape OFDM 5.6 GHz WiFi Antenna B (2) 05-08-09.da4

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

* Communication System: OFDM 5600 MHz; Frequency: 5600 MHz; Duty Cycle: 1:1

* Medium parameters used: $f = 5600$ MHz; $\sigma = 6.12$ mho/m; $\epsilon_r = 47$; $\rho = 1000$ kg/m³

- Electronics: DAE3 Sn442; Probe: EX3DV4 - SN3563; ConvF(3.36, 3.36, 3.36)

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

Channel 120 Test/Area Scan (71x121x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.986 mW/g

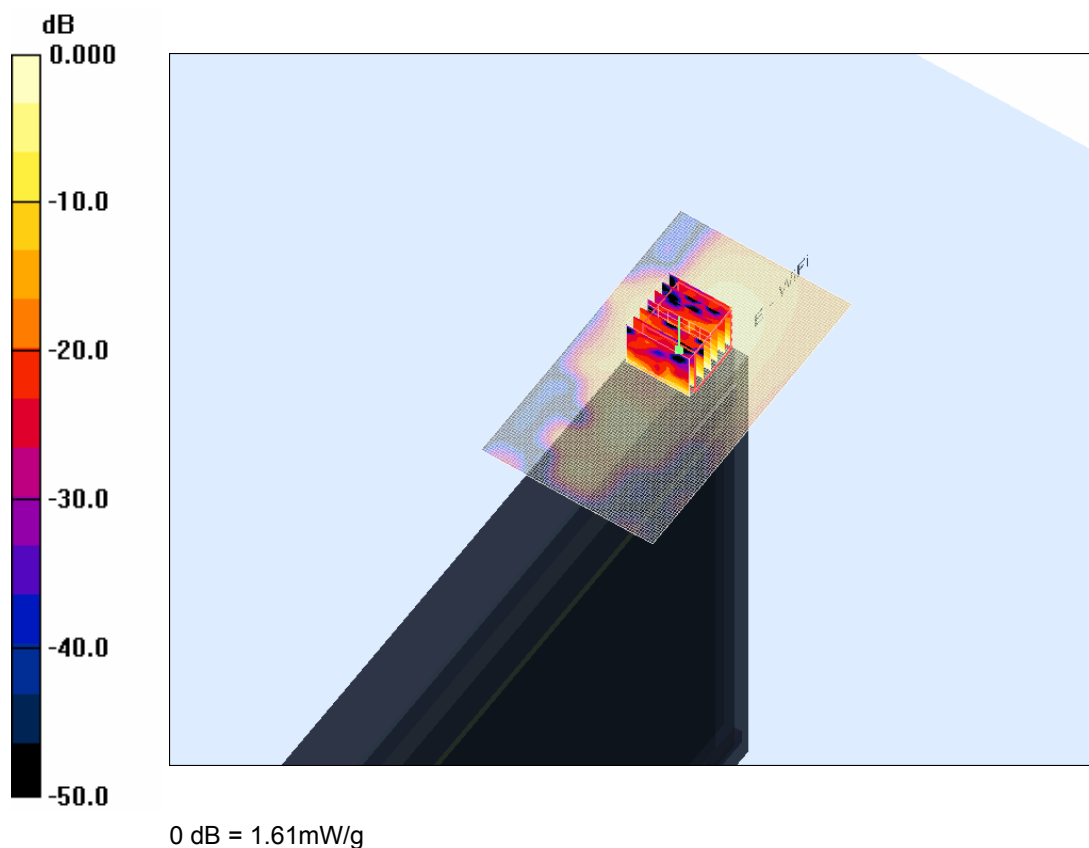
Channel 120 Test/Zoom Scan (7x7x8)/Cube 0: Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm

Reference Value = 10.4 V/m; Power Drift = -0.477 dB

Peak SAR (extrapolated) = 2.91 W/kg

SAR(1 g) = 0.811 mW/g; SAR(10 g) = 0.252 mW/g

Maximum value of SAR (measured) = 1.61 mW/g



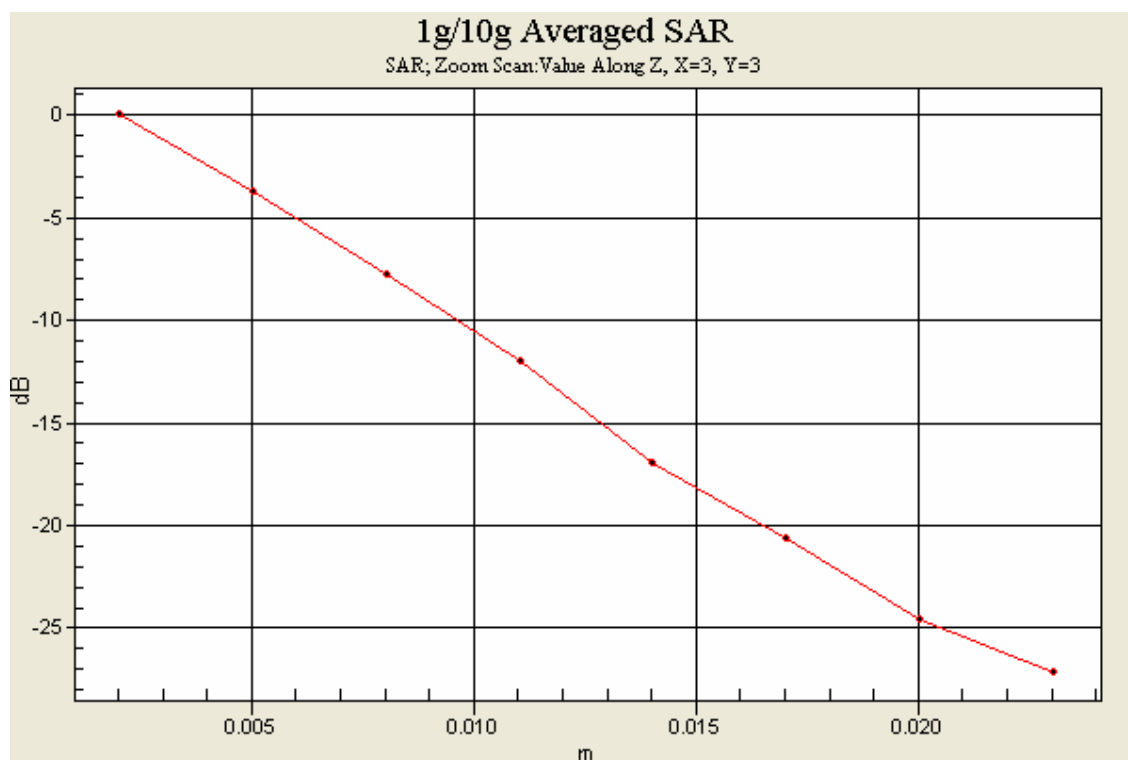
SAR MEASUREMENT PLOT 16

Ambient Temperature
Liquid Temperature
Humidity

20.9 Degrees Celsius
20.5 Degrees Celsius
42.0 %



This document must not be copied or reproduced, except in full without the written permission of the Manager, EMC Technologies Pty Ltd. The certificate on page 3 may be reproduced in full.
www.emctech.com.au



Test Date: 19 August 2009

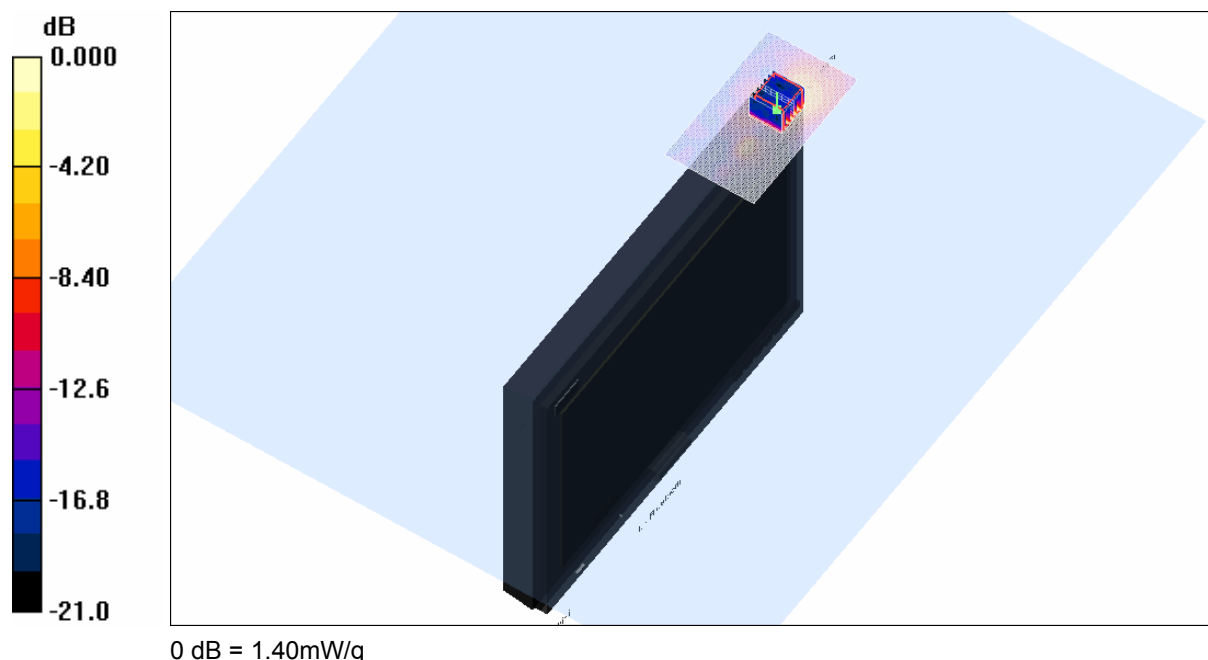
File Name: M090733 Secondary Landscape OFDM 5.6 GHz WiFi Antenna B (2) 19-08-09.da4

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

- * Communication System: OFDM 5600 MHz; Frequency: 5700 MHz; Duty Cycle: 1:1
- * Medium parameters used: $f = 5698.6$ MHz; $\sigma = 6.26$ mho/m; $\epsilon_r = 46.4$; $\rho = 1000$ kg/m³
- Electronics: DAE3 Sn442; Probe: EX3DV4 - SN3563; ConvF(3.36, 3.36, 3.36)
- Phantom: Flat Phantom 10.1; Serial: P 10.1; Phantom section: Flat 2.2 Section

Channel 140 Test/Area Scan (71x121x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.845 mW/g

Channel 140 Test/Zoom Scan (7x7x8)/Cube 0: Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm
Reference Value = 14.1 V/m; Power Drift = -0.462 dB
Peak SAR (extrapolated) = 2.42 W/kg
SAR(1 g) = 0.705 mW/g; SAR(10 g) = 0.244 mW/g
Maximum value of SAR (measured) = 1.40 mW/g



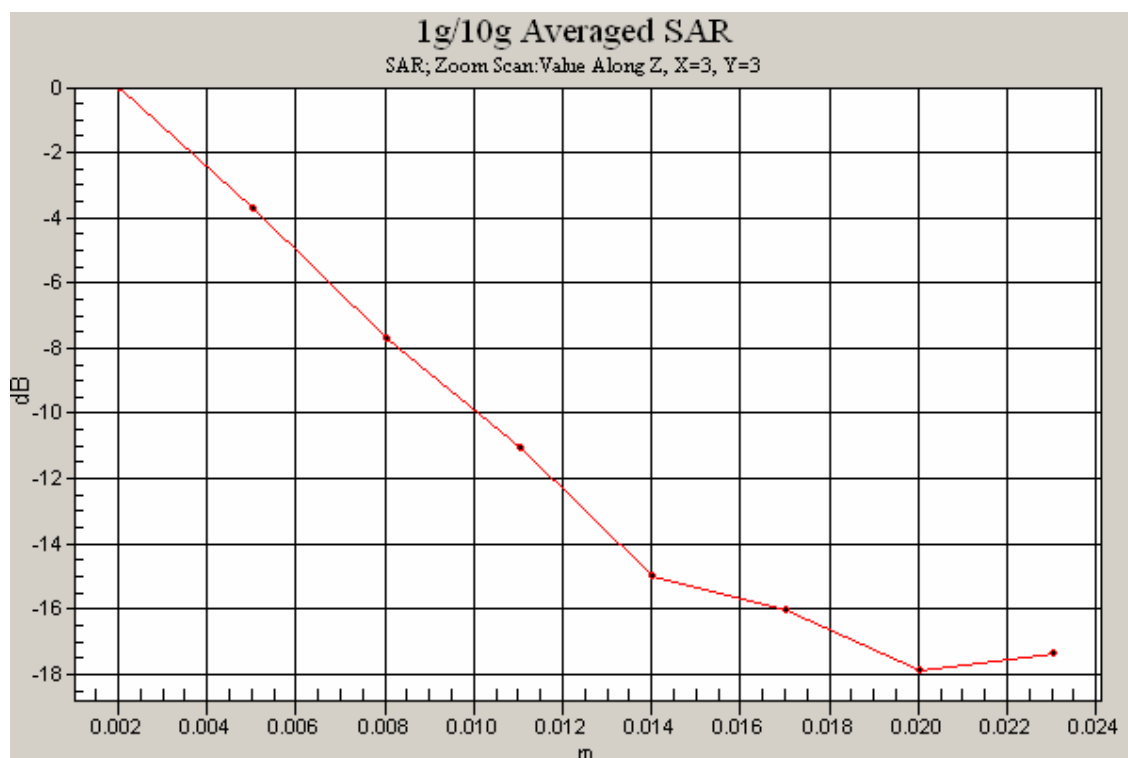
SAR MEASUREMENT PLOT 17

Ambient Temperature
Liquid Temperature
Humidity

20.3 Degrees Celsius
20.0 Degrees Celsius
42.0 %



This document must not be copied or reproduced, except in full without the written permission of the Manager, EMC Technologies Pty Ltd. The certificate on page 3 may be reproduced in full.
www.emctech.com.au



Test Date: 5 August 2009

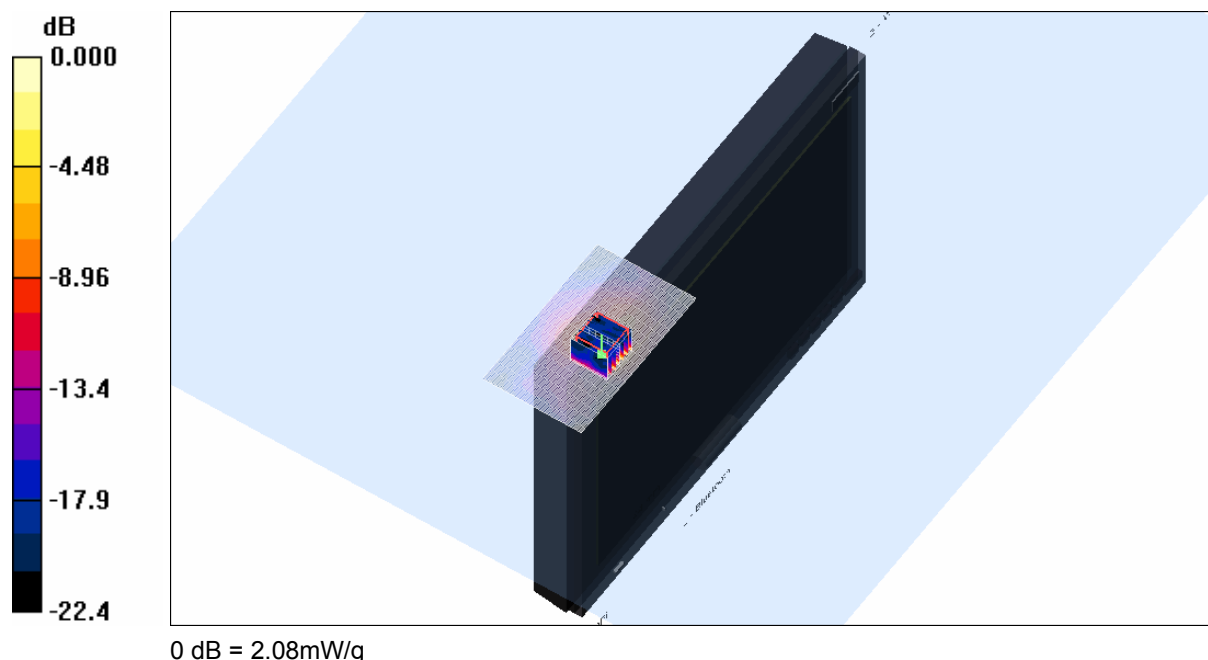
File Name: M090733 Secondary Landscape OFDM 5.6 GHz WiFi Antenna A (1) 5.2Ah Battery 05-08-09.da4

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

- * Communication System: OFDM 5600 MHz; Frequency: 5500 MHz; Duty Cycle: 1:1
- * Medium parameters used: $f = 5498$ MHz; $\sigma = 5.93$ mho/m; $\epsilon_r = 47.4$; $\rho = 1000$ kg/m³
- Electronics: DAE3 Sn442; Probe: EX3DV4 - SN3563; ConvF(3.36, 3.36, 3.36)
- Phantom: Flat Phantom 10.1; Serial: P 10.1; Phantom section: Flat 2.2 Section

Channel 100 Test/Area Scan (71x121x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 1.20 mW/g

Channel 100 Test/Zoom Scan (7x7x8)/Cube 0: Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm
Reference Value = 20.2 V/m; Power Drift = -0.114 dB
Peak SAR (extrapolated) = 3.71 W/kg
SAR(1 g) = 1.07 mW/g; SAR(10 g) = 0.361 mW/g
Maximum value of SAR (measured) = 2.08 mW/g



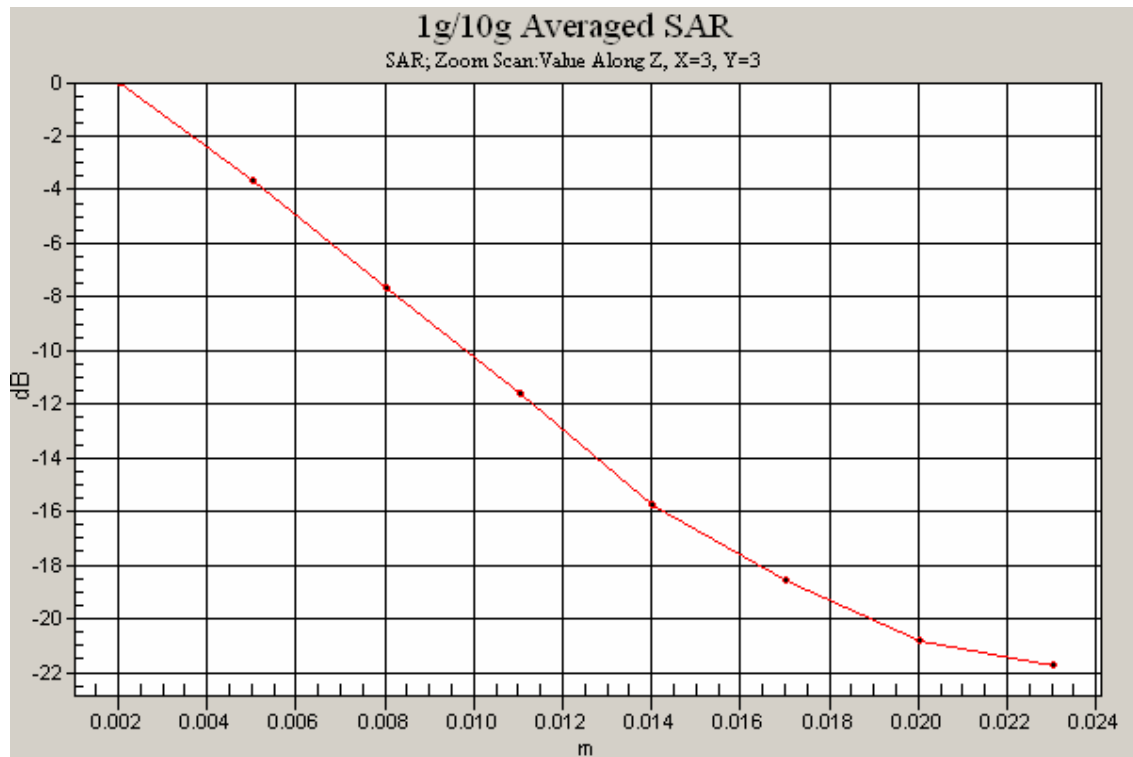
SAR MEASUREMENT PLOT 18

Ambient Temperature
Liquid Temperature
Humidity

20.9 Degrees Celsius
20.5 Degrees Celsius
42.0 %



This document must not be copied or reproduced, except in full without the written permission of the Manager, EMC Technologies Pty Ltd. The certificate on page 3 may be reproduced in full.
www.emctech.com.au



Test Date: 5 August 2009

File Name: M090733 Tablet OFDM 5.6 GHz WiFi Antenna A (1) 05-08-09.da4

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

* Communication System: OFDM 5600 MHz; Frequency: 5600 MHz; Duty Cycle: 1:1

* Medium parameters used: $f = 5600$ MHz; $\sigma = 6.12$ mho/m; $\epsilon_r = 47$; $\rho = 1000$ kg/m³

- Electronics: DAE3 Sn442; Probe: EX3DV4 - SN3563; ConvF(3.36, 3.36, 3.36)

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

Channel 120 Test/Area Scan (71x121x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.202 mW/g

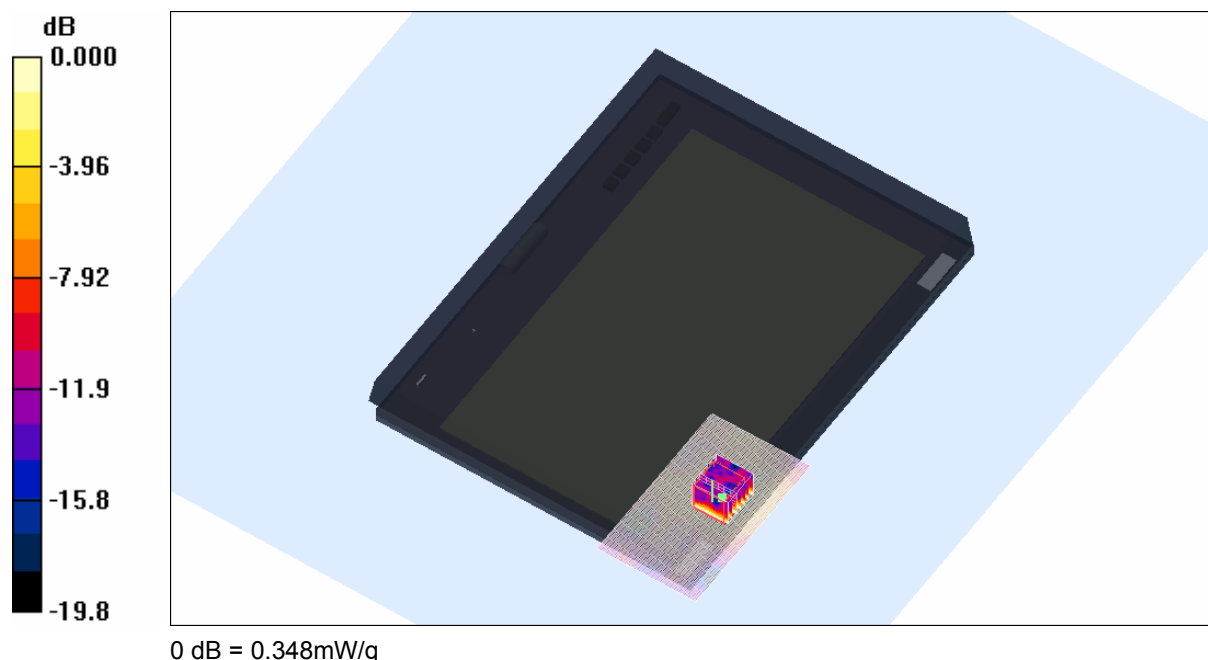
Channel 120 Test/Zoom Scan (7x7x8)/Cube 0: Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm

Reference Value = 5.80 V/m; Power Drift = -0.474 dB

Peak SAR (extrapolated) = 0.635 W/kg

SAR(1 g) = 0.199 mW/g; SAR(10 g) = 0.088 mW/g

Maximum value of SAR (measured) = 0.348 mW/g

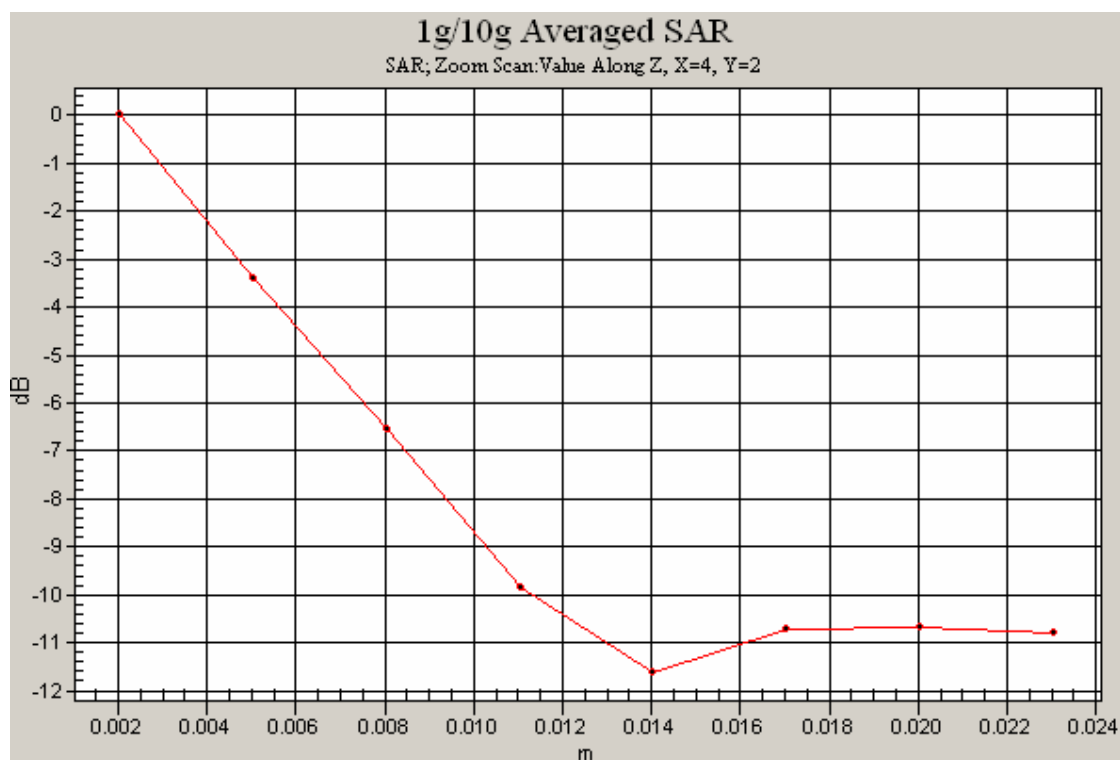


SAR MEASUREMENT PLOT 19

Ambient Temperature
Liquid Temperature
Humidity

20.9 Degrees Celsius
20.5 Degrees Celsius
42.0 %





Test Date: 5 August 2009

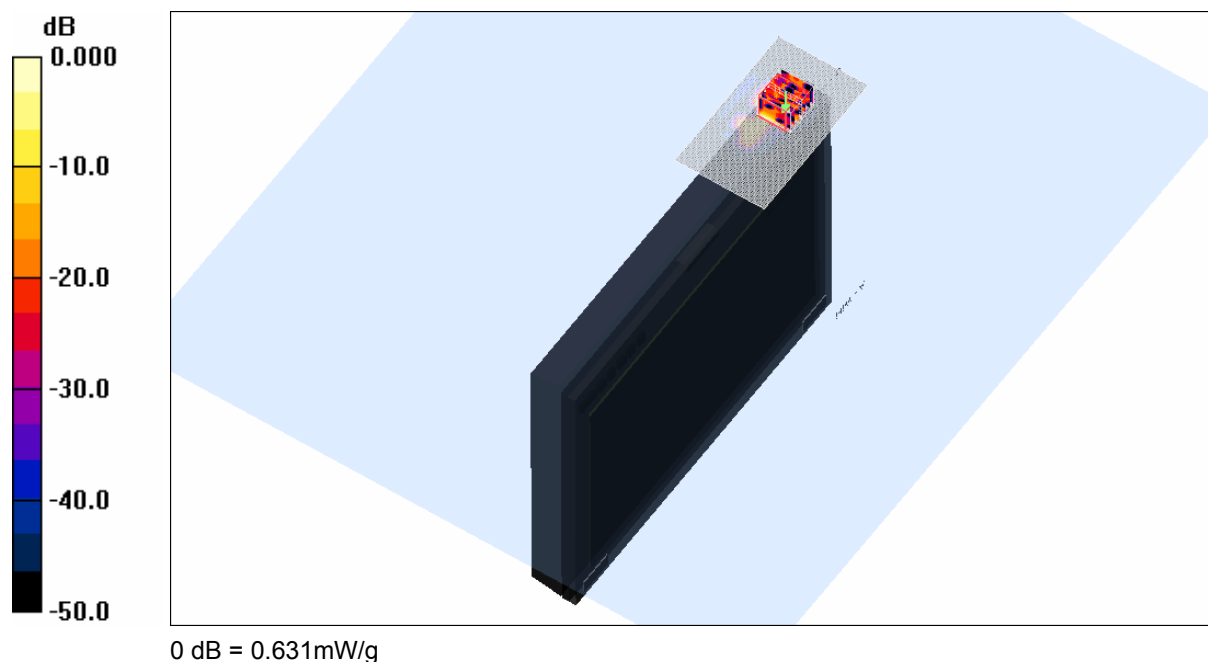
File Name: M090733 Primary Landscape OFDM 5.6 GHz WiFi Antenna C (3) 05-08-09.da4

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

- * Communication System: OFDM 5600 MHz; Frequency: 5500 MHz; Duty Cycle: 1:1
- * Medium parameters used: $f = 5498$ MHz; $\sigma = 5.93$ mho/m; $\epsilon_r = 47.4$; $\rho = 1000$ kg/m³
- Electronics: DAE3 Sn442; Probe: EX3DV4 - SN3563; ConvF(3.36, 3.36, 3.36)
- Phantom: Flat Phantom 10.1; Serial: P 10.1; Phantom section: Flat 2.2 Section

Channel 100 Test/Area Scan (71x121x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.792 mW/g

Channel 100 Test/Zoom Scan (7x7x8)/Cube 0: Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm
Reference Value = 11.8 V/m; Power Drift = -0.289 dB
Peak SAR (extrapolated) = 2.32 W/kg
SAR(1 g) = 0.309 mW/g; SAR(10 g) = 0.080 mW/g
Maximum value of SAR (measured) = 0.631 mW/g



SAR MEASUREMENT PLOT 20

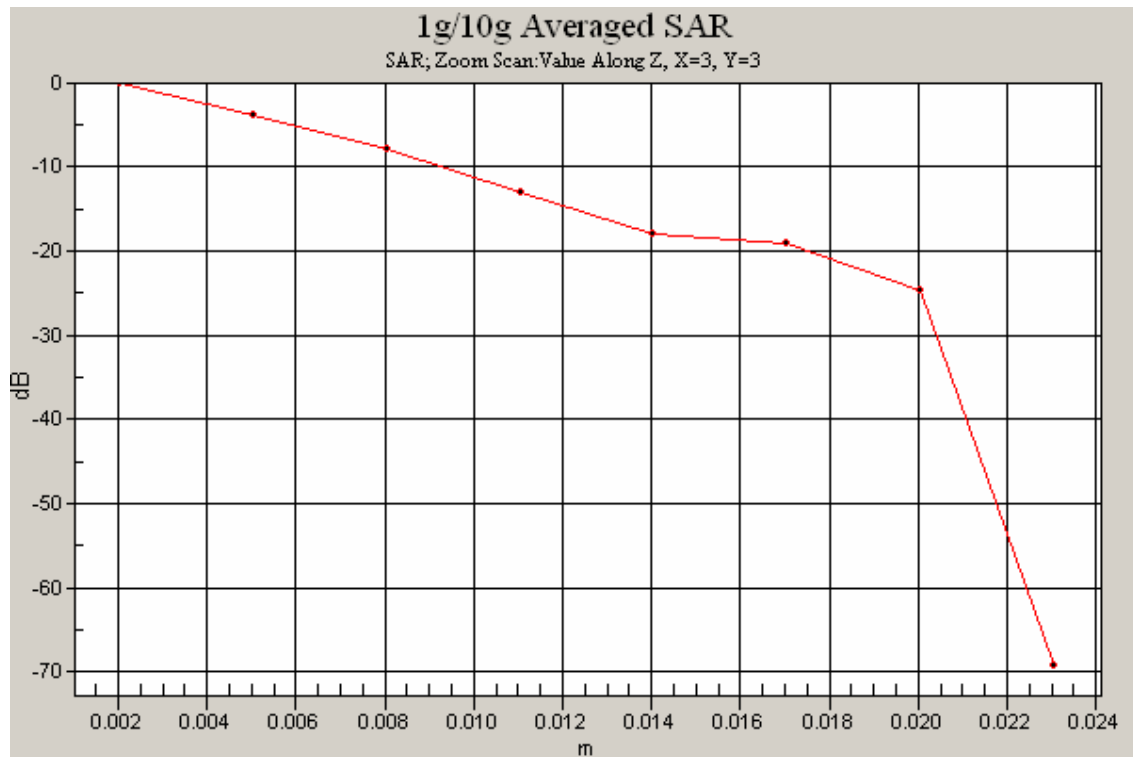
Ambient Temperature
Liquid Temperature
Humidity

20.9 Degrees Celsius
20.5 Degrees Celsius
42.0 %



Accreditation No. 5292

This document must not be copied or reproduced, except in full without the written permission of the Manager, EMC Technologies Pty Ltd. The certificate on page 3 may be reproduced in full.
www.emctech.com.au



Test Date: 5 August 2009

File Name: M090733 Primary Landscape OFDM 5.6 GHz WiFi Antenna C (3) 05-08-09.da4

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

* Communication System: OFDM 5600 MHz; Frequency: 5600 MHz; Duty Cycle: 1:1

* Medium parameters used: $f = 5600$ MHz; $\sigma = 6.12$ mho/m; $\epsilon_r = 47$; $\rho = 1000$ kg/m³

- Electronics: DAE3 Sn442; Probe: EX3DV4 - SN3563; ConvF(3.36, 3.36, 3.36)

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

Channel 120 Test/Area Scan (71x121x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.880 mW/g

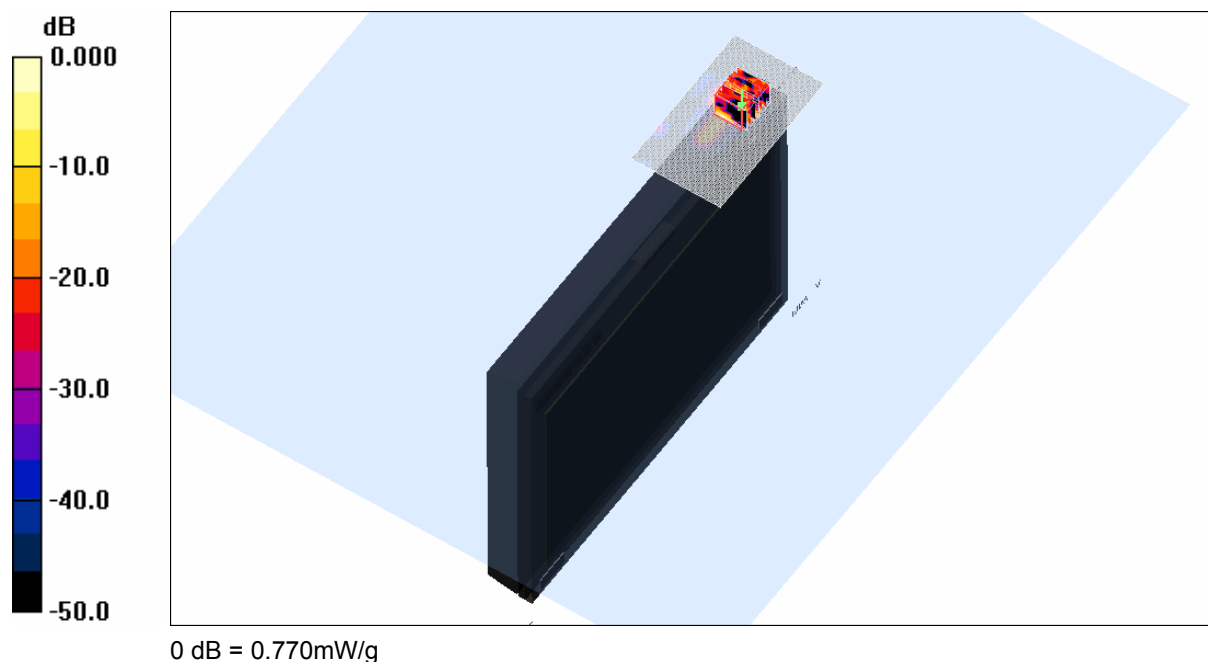
Channel 120 Test/Zoom Scan (7x7x8)/Cube 0: Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm

Reference Value = 12.2 V/m; Power Drift = -0.200 dB

Peak SAR (extrapolated) = 3.00 W/kg

SAR(1 g) = 0.351 mW/g; SAR(10 g) = 0.092 mW/g

Maximum value of SAR (measured) = 0.770 mW/g



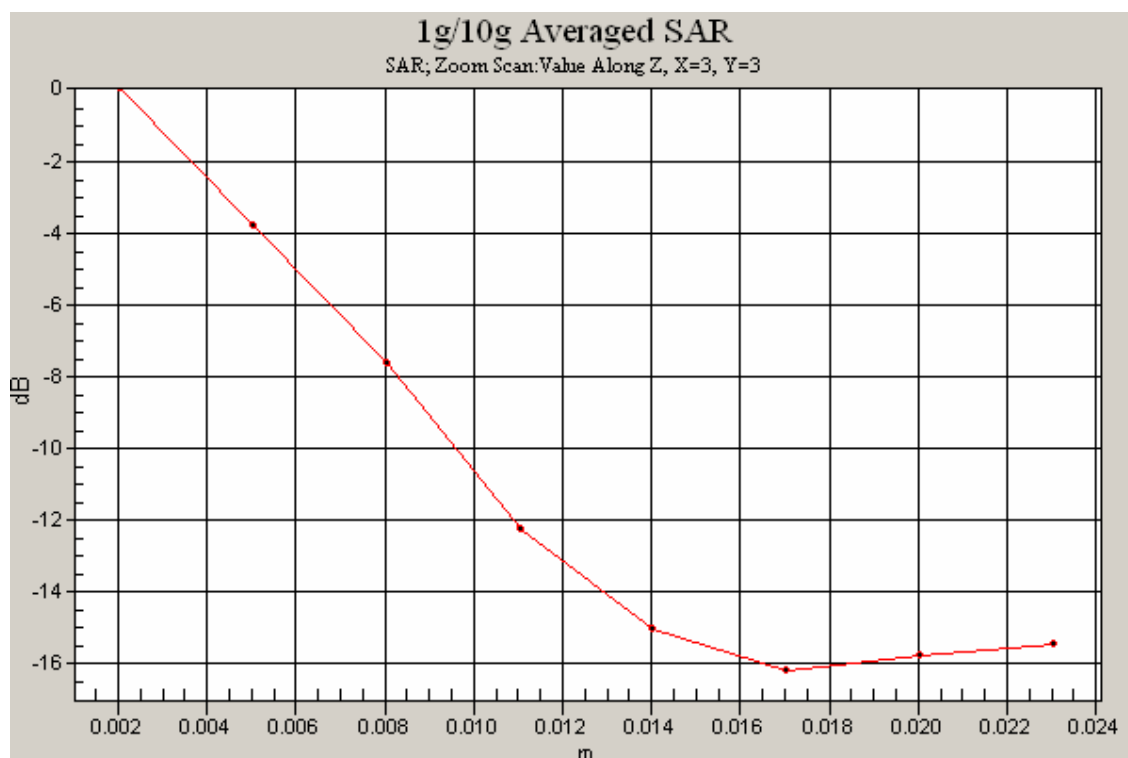
SAR MEASUREMENT PLOT 21

Ambient Temperature
Liquid Temperature
Humidity

20.9 Degrees Celsius
20.5 Degrees Celsius
42.0 %



This document must not be copied or reproduced, except in full without the written permission of the Manager, EMC Technologies Pty Ltd. The certificate on page 3 may be reproduced in full.
www.emctech.com.au



Test Date: 5 August 2009

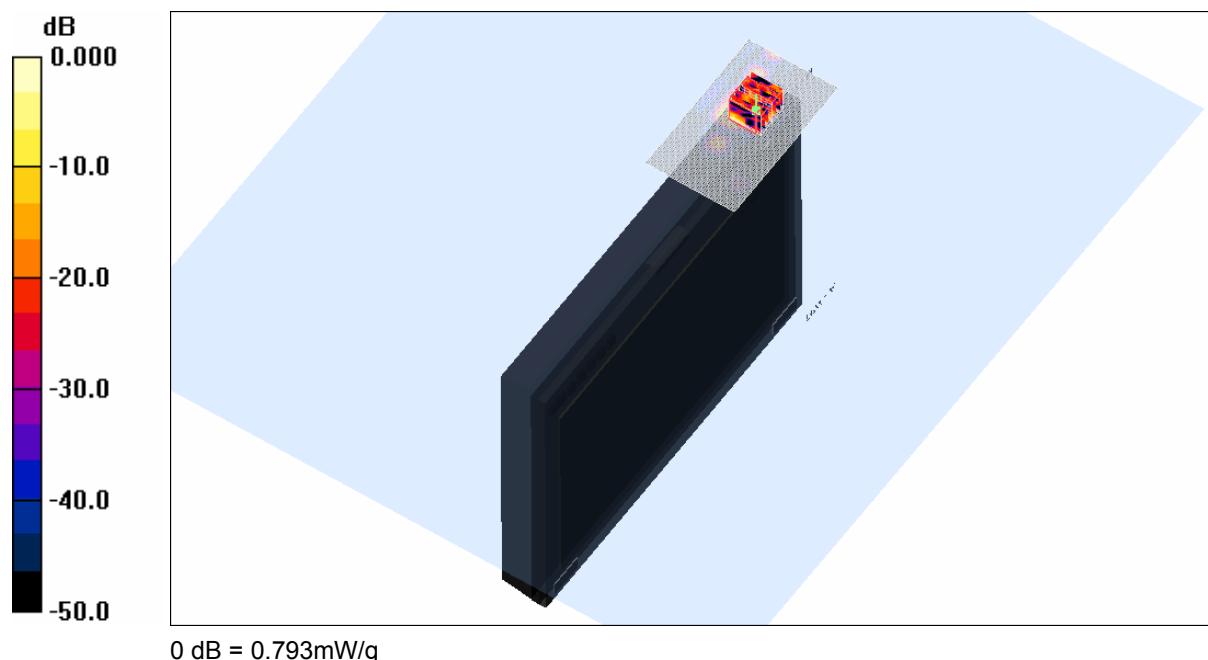
File Name: M090733 Primary Landscape OFDM 5.6 GHz WiFi Antenna C (3) 05-08-09.da4

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

- * Communication System: OFDM 5600 MHz; Frequency: 5700 MHz; Duty Cycle: 1:1
- * Medium parameters used: $f = 5702$ MHz; $\sigma = 6.28$ mho/m; $\epsilon_r = 46.7$; $\rho = 1000$ kg/m³
- Electronics: DAE3 Sn442; Probe: EX3DV4 - SN3563; ConvF(3.36, 3.36, 3.36)
- Phantom: Flat Phantom 10.1; Serial: P 10.1; Phantom section: Flat 2.2 Section

Channel 140 Test/Area Scan (71x121x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.686 mW/g

Channel 140 Test/Zoom Scan (7x7x8)/Cube 0: Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm
Reference Value = 12.4 V/m; Power Drift = -0.328 dB
Peak SAR (extrapolated) = 1.76 W/kg
SAR(1 g) = 0.349 mW/g; SAR(10 g) = 0.085 mW/g
Maximum value of SAR (measured) = 0.793 mW/g



SAR MEASUREMENT PLOT 22

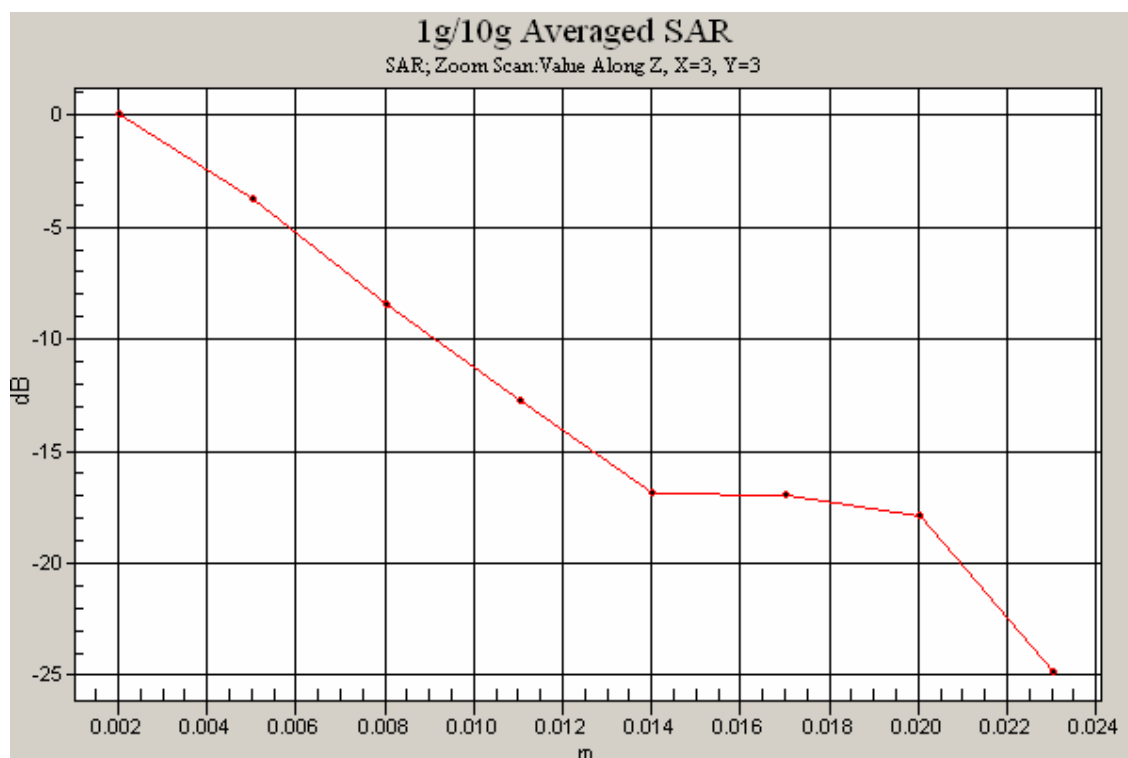
Ambient Temperature
Liquid Temperature
Humidity

20.9 Degrees Celsius
20.5 Degrees Celsius
42.0 %



Accreditation No. 5292

This document must not be copied or reproduced, except in full without the written permission of the Manager, EMC Technologies Pty Ltd. The certificate on page 3 may be reproduced in full.
www.emctech.com.au



Test Date: 3 August 2009

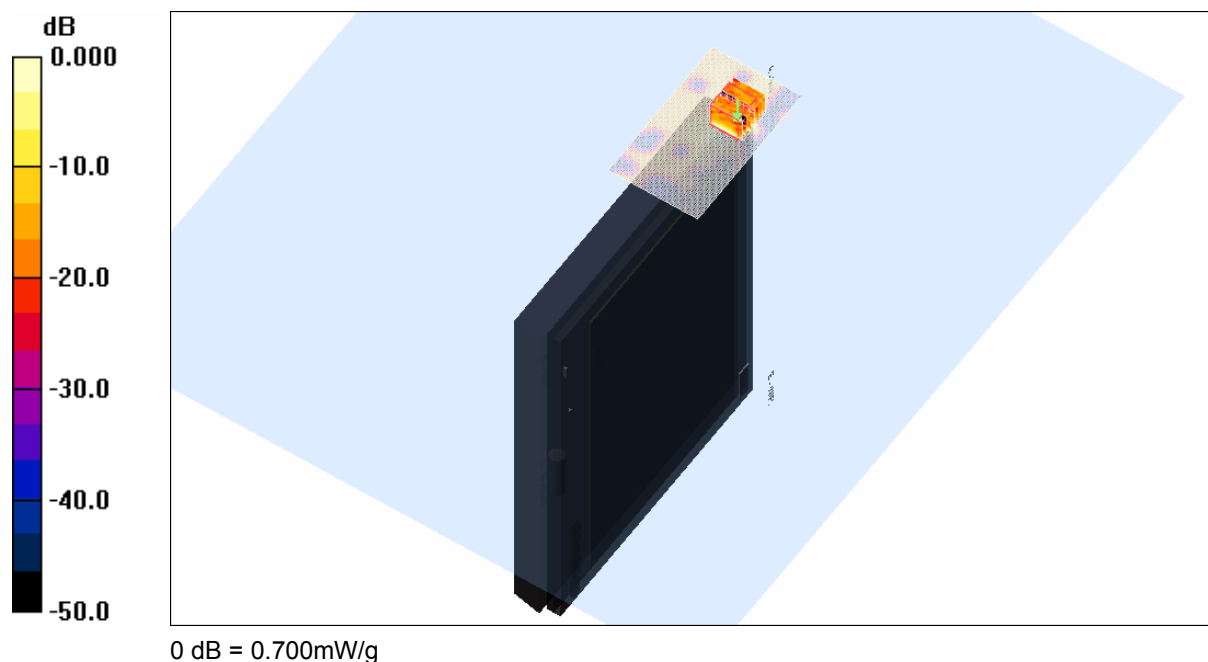
File Name: M090733 Primary Portrait OFDM 5.8 GHz WiFi Antenna A (1) 03-08-09.da4

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

- * Communication System: OFDM 5770 MHz; Frequency: 5785 MHz; Duty Cycle: 1:1
- * Medium parameters used: $f = 5785$ MHz; $\sigma = 6.51$ mho/m; $\epsilon_r = 46.1$; $\rho = 1000$ kg/m³
- Electronics: DAE3 Sn442; Probe: EX3DV4 - SN3563; ConvF(3.26, 3.26, 3.26)
- Phantom: Flat Phantom 10.1; Serial: P 10.1; Phantom section: Flat 2.2 Section

Channel 157 Test/Area Scan (71x121x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.429 mW/g

Channel 157 Test/Zoom Scan (7x7x8)/Cube 0: Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm
Reference Value = 11.6 V/m; Power Drift = -0.048 dB
Peak SAR (extrapolated) = 1.36 W/kg
SAR(1 g) = 0.332 mW/g; SAR(10 g) = 0.098 mW/g
Maximum value of SAR (measured) = 0.700 mW/g

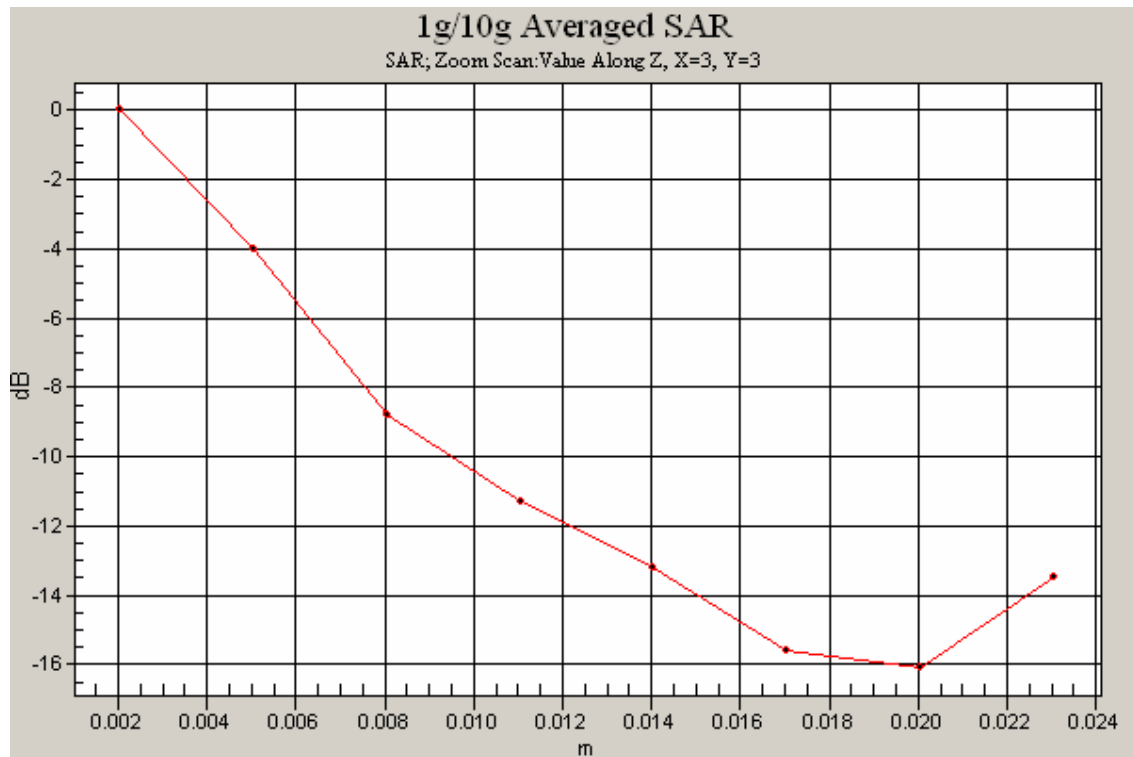


SAR MEASUREMENT PLOT 23

Ambient Temperature
Liquid Temperature
Humidity

20.2 Degrees Celsius
20.0 Degrees Celsius
43.0 %





Test Date: 3 August 2009

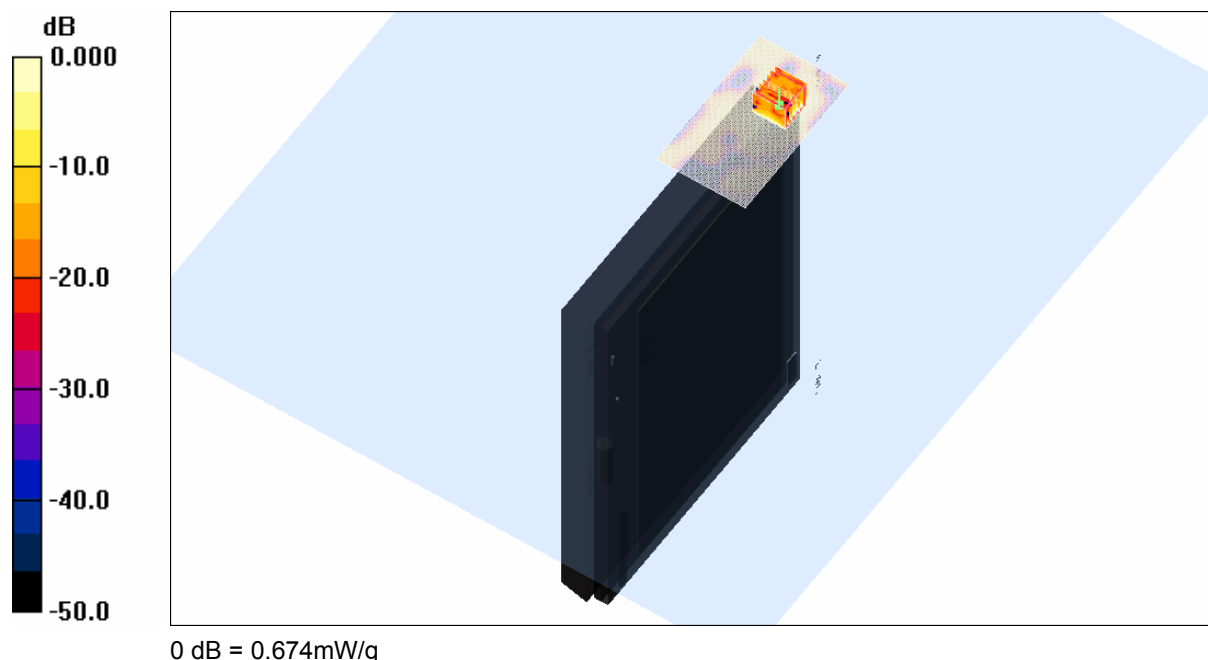
File Name: M090733 Primary Portrait MCS0 20MHz 5.8 GHz WiFi Antenna A (1) 03-08-09.da4

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

- * Communication System: OFDM 5770 MHz; Frequency: 5785 MHz; Duty Cycle: 1:1
- * Medium parameters used: $f = 5785$ MHz; $\sigma = 6.51$ mho/m; $\epsilon_r = 46.1$; $\rho = 1000$ kg/m³
- Electronics: DAE3 Sn442; Probe: EX3DV4 - SN3563; ConvF(3.26, 3.26, 3.26)
- Phantom: Flat Phantom 10.1; Serial: P 10.1; Phantom section: Flat 2.2 Section

Channel 157 Test/Area Scan (71x121x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.316 mW/g

Channel 157 Test/Zoom Scan (7x7x8)/Cube 0: Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm
Reference Value = 11.3 V/m; Power Drift = -0.144 dB
Peak SAR (extrapolated) = 2.05 W/kg
SAR(1 g) = 0.309 mW/g; SAR(10 g) = 0.094 mW/g
Maximum value of SAR (measured) = 0.674 mW/g

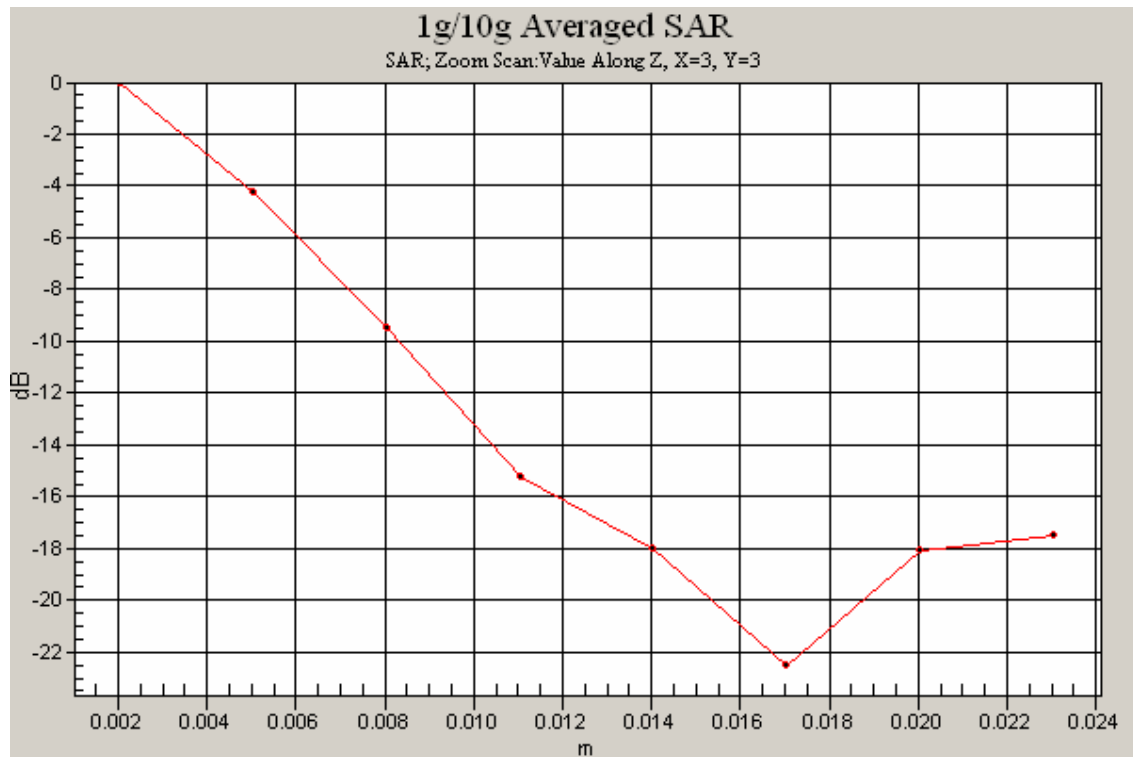


SAR MEASUREMENT PLOT 24

Ambient Temperature
Liquid Temperature
Humidity

20.2 Degrees Celsius
20.0 Degrees Celsius
43.0 %





This document must not be copied or reproduced, except in full without the written permission of the Manager, EMC Technologies Pty Ltd. The certificate on page 3 may be reproduced in full.
www.emctech.com.au

Test Date: 3 August 2009

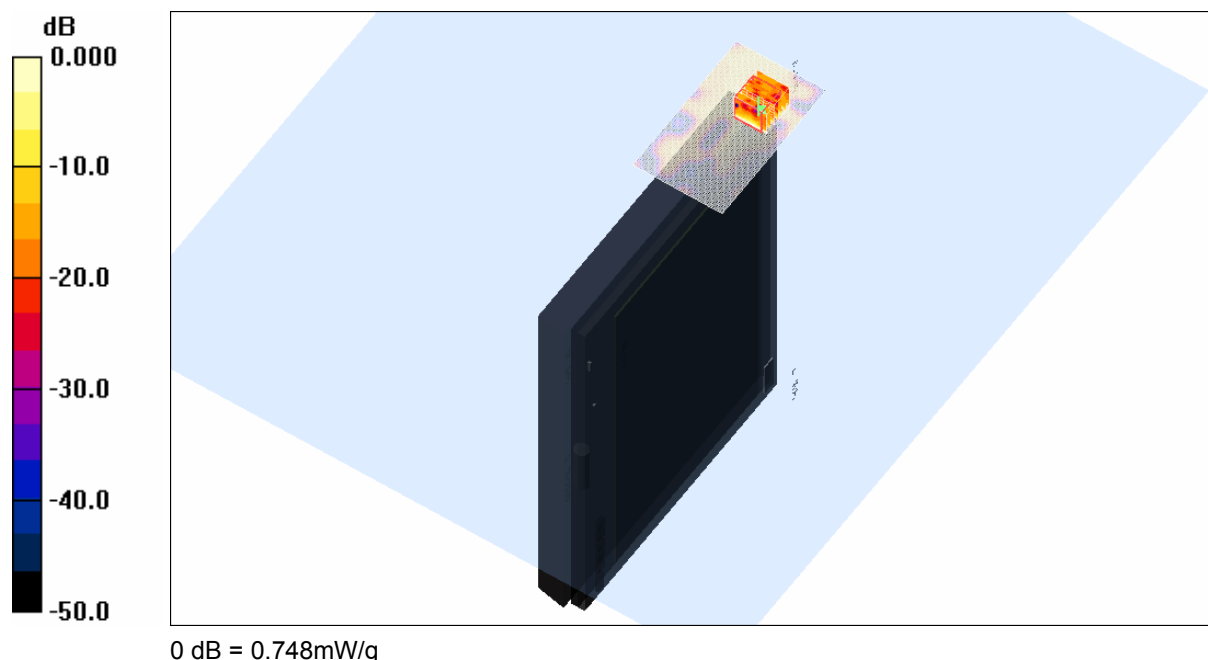
File Name: M090733 Primary Portrait MCS0 40MHz 5.8 GHz WiFi Antenna A (1) 03-08-09.da4

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

- * Communication System: OFDM 5770 MHz; Frequency: 5795 MHz; Duty Cycle: 1:1
- * Medium parameters used: $f = 5795.8$ MHz; $\sigma = 6.53$ mho/m; $\epsilon_r = 46$; $\rho = 1000$ kg/m³
- Electronics: DAE3 Sn442; Probe: EX3DV4 - SN3563; ConvF(3.26, 3.26, 3.26)
- Phantom: Flat Phantom 10.1; Serial: P 10.1; Phantom section: Flat 2.2 Section

Channel 159 Test/Area Scan (71x121x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.384 mW/g

Channel 159 Test/Zoom Scan (7x7x8)/Cube 0: Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm
Reference Value = 11.5 V/m; Power Drift = -0.118 dB
Peak SAR (extrapolated) = 1.29 W/kg
SAR(1 g) = 0.320 mW/g; SAR(10 g) = 0.092 mW/g
Maximum value of SAR (measured) = 0.748 mW/g



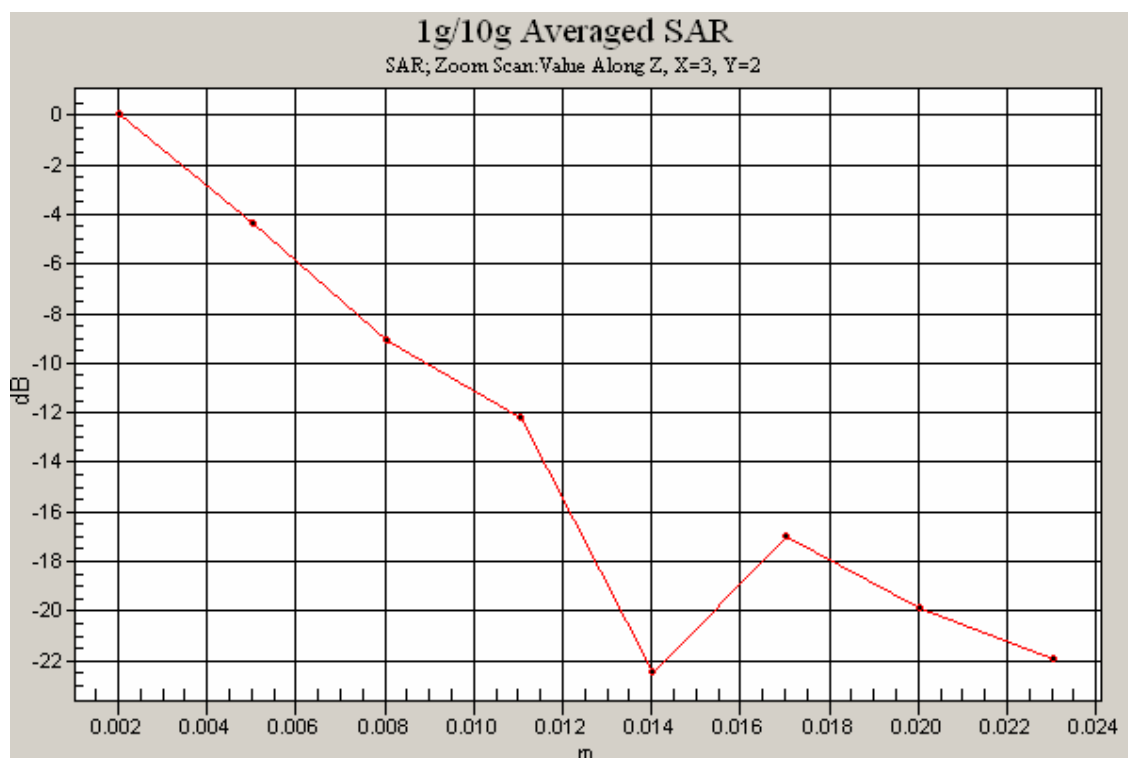
SAR MEASUREMENT PLOT 25

Ambient Temperature
Liquid Temperature
Humidity

20.2 Degrees Celsius
20.0 Degrees Celsius
43.0 %



This document must not be copied or reproduced, except in full without the written permission of the Manager, EMC Technologies Pty Ltd. The certificate on page 3 may be reproduced in full.
www.emctech.com.au



Test Date: 3 August 2009

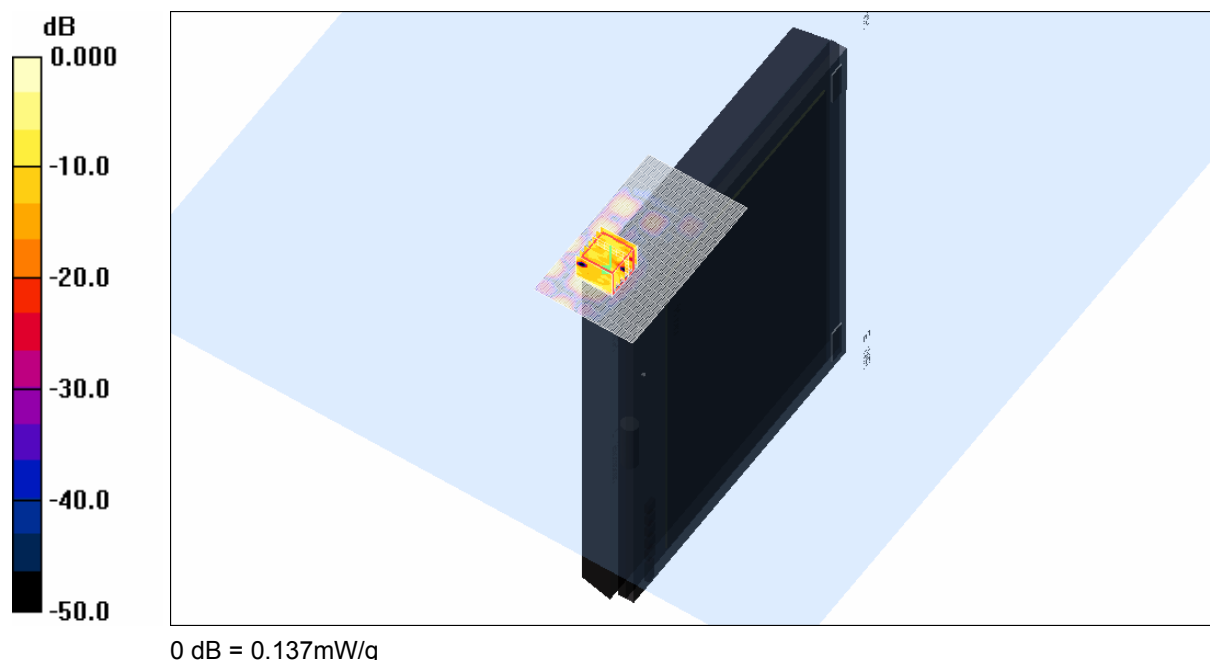
File Name: M090733 Primary Portrait OFDM 5.8 GHz WiFi Antenna C (3) 03-08-09.da4

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

- * Communication System: OFDM 5770 MHz; Frequency: 5785 MHz; Duty Cycle: 1:1
- * Medium parameters used: $f = 5785$ MHz; $\sigma = 6.51$ mho/m; $\epsilon_r = 46.1$; $\rho = 1000$ kg/m³
- Electronics: DAE3 Sn442; Probe: EX3DV4 - SN3563; ConvF(3.26, 3.26, 3.26)
- Phantom: Flat Phantom 10.1; Serial: P 10.1; Phantom section: Flat 2.2 Section

Channel 157 Test/Area Scan (71x121x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.079 mW/g

Channel 157 Test/Zoom Scan (7x7x8)/Cube 0: Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm
Reference Value = 4.48 V/m; Power Drift = -0.191 dB
Peak SAR (extrapolated) = 0.235 W/kg
SAR(1 g) = 0.064 mW/g; SAR(10 g) = 0.024 mW/g
Maximum value of SAR (measured) = 0.137 mW/g



SAR MEASUREMENT PLOT 26

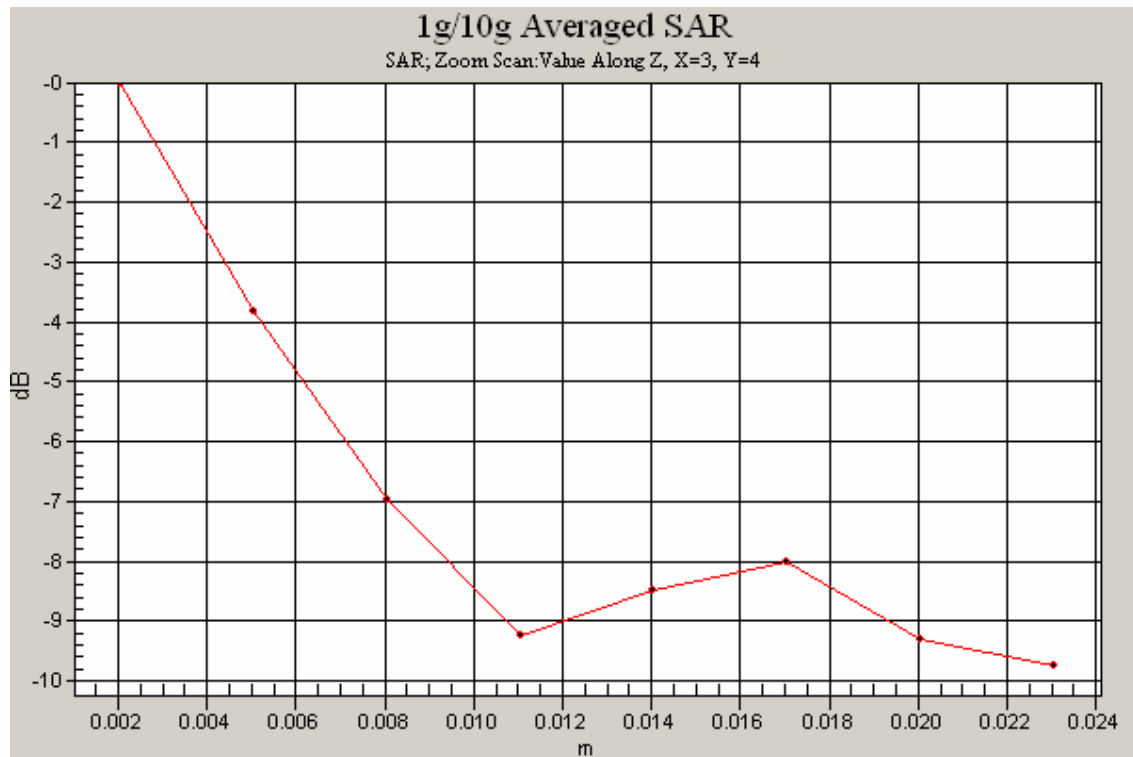
Ambient Temperature
Liquid Temperature
Humidity

20.2 Degrees Celsius
20.0 Degrees Celsius
43.0 %



Accreditation No. 5292

This document must not be copied or reproduced, except in full without the written permission of the Manager, EMC Technologies Pty Ltd. The certificate on page 3 may be reproduced in full.
www.emctech.com.au



Test Date: 3 August 2009

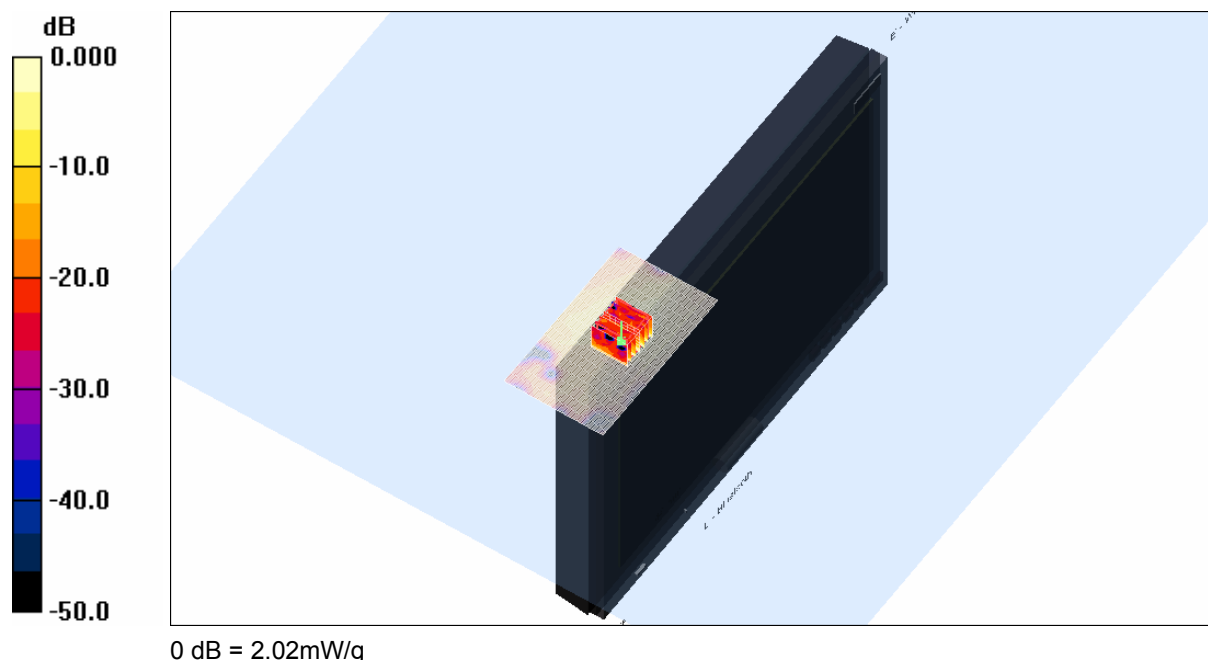
File Name: M090733 Secondary Landscape OFDM 5.8 GHz WiFi Antenna A (1) 03-08-09.da4

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

- * Communication System: OFDM 5770 MHz; Frequency: 5745 MHz; Duty Cycle: 1:1
- * Medium parameters used: $f = 5745.4$ MHz; $\sigma = 6.43$ mho/m; $\epsilon_r = 46.2$; $\rho = 1000$ kg/m³
- Electronics: DAE3 Sn442; Probe: EX3DV4 - SN3563; ConvF(3.26, 3.26, 3.26)
- Phantom: Flat Phantom 10.1; Serial: P 10.1; Phantom section: Flat 2.2 Section

Channel 149 Test/Area Scan (71x121x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 1.10 mW/g

Channel 149 Test/Zoom Scan (7x7x8)/Cube 0: Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm
Reference Value = 8.19 V/m; Power Drift = -0.001 dB
Peak SAR (extrapolated) = 3.64 W/kg
SAR(1 g) = 0.963 mW/g; SAR(10 g) = 0.289 mW/g
Maximum value of SAR (measured) = 2.02 mW/g



SAR MEASUREMENT PLOT 27

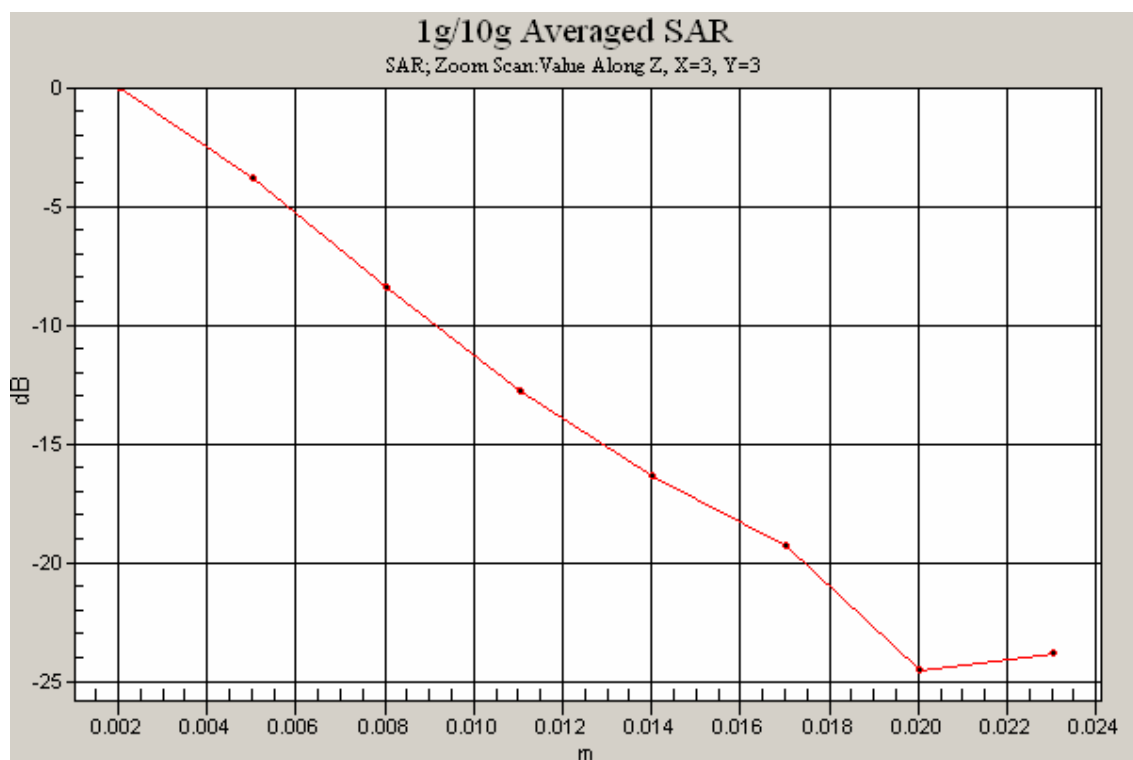
Ambient Temperature
Liquid Temperature
Humidity

20.2 Degrees Celsius
20.0 Degrees Celsius
43.0 %



Accreditation No. 5292

This document must not be copied or reproduced, except in full without the written permission of the Manager, EMC Technologies Pty Ltd. The certificate on page 3 may be reproduced in full.
www.emctech.com.au



Test Date: 3 August 2009

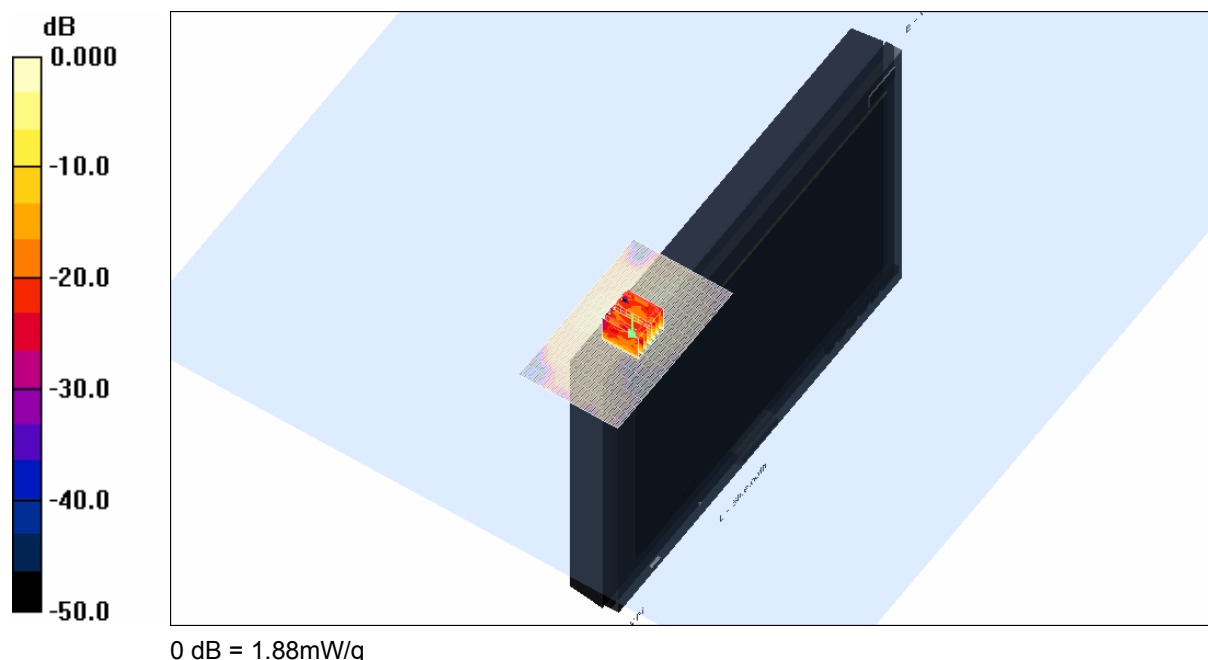
File Name: M090733 Secondary Landscape OFDM 5.8 GHz WiFi Antenna A (1) 03-08-09.da4

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

- * Communication System: OFDM 5770 MHz; Frequency: 5785 MHz; Duty Cycle: 1:1
- * Medium parameters used: $f = 5785$ MHz; $\sigma = 6.51$ mho/m; $\epsilon_r = 46.1$; $\rho = 1000$ kg/m³
- Electronics: DAE3 Sn442; Probe: EX3DV4 - SN3563; ConvF(3.26, 3.26, 3.26)
- Phantom: Flat Phantom 10.1; Serial: P 10.1; Phantom section: Flat 2.2 Section

Channel 157 Test/Area Scan (71x121x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 1.13 mW/g

Channel 157 Test/Zoom Scan (7x7x8)/Cube 0: Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm
Reference Value = 10.1 V/m; Power Drift = -0.258 dB
Peak SAR (extrapolated) = 3.42 W/kg
SAR(1 g) = 0.923 mW/g; SAR(10 g) = 0.296 mW/g
Maximum value of SAR (measured) = 1.88 mW/g

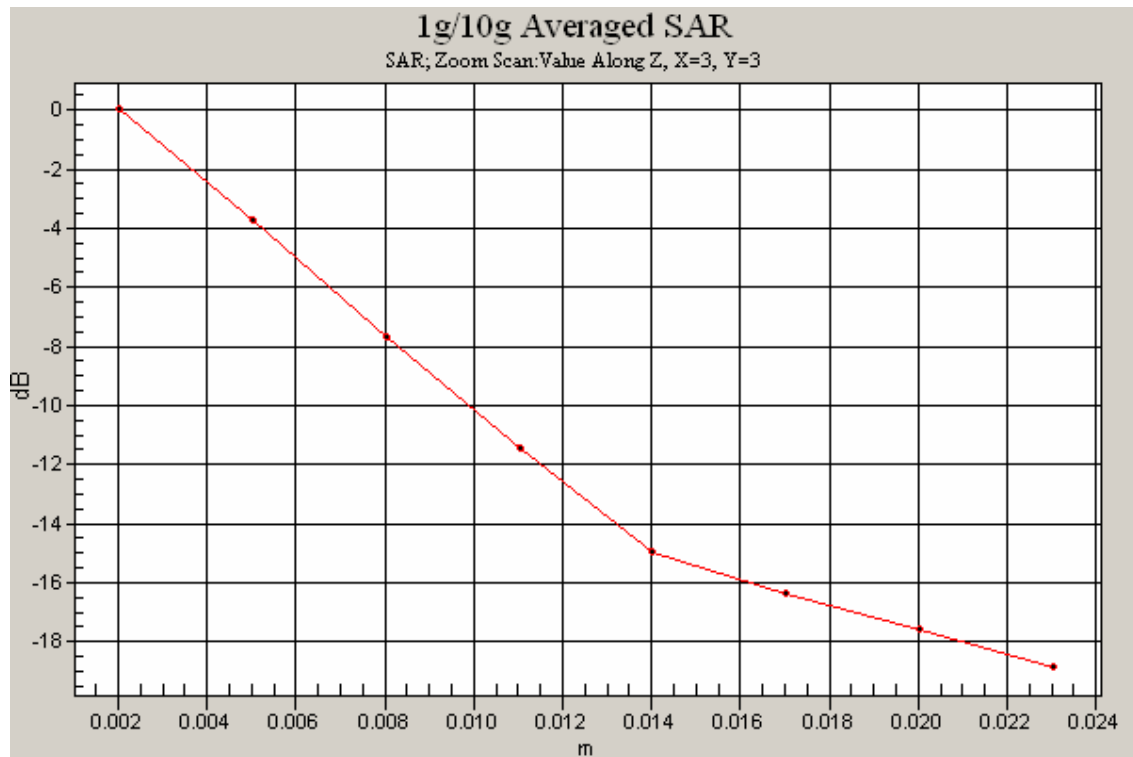


SAR MEASUREMENT PLOT 28

Ambient Temperature
Liquid Temperature
Humidity

20.2 Degrees Celsius
20.0 Degrees Celsius
43.0 %





This document must not be copied or reproduced, except in full without the written permission of the Manager, EMC Technologies Pty Ltd. The certificate on page 3 may be reproduced in full.
www.emctech.com.au

Test Date: 3 August 2009

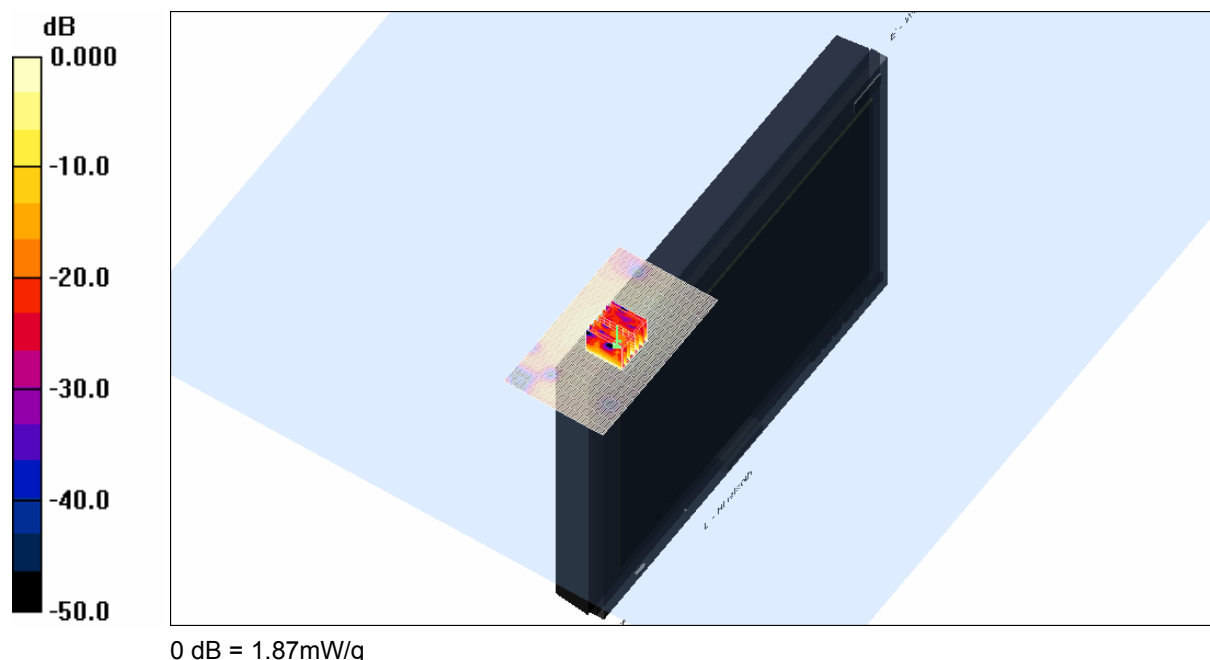
File Name: M090733 Secondary Landscape OFDM 5.8 GHz WiFi Antenna A (1) 03-08-09.da4

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

- * Communication System: OFDM 5770 MHz; Frequency: 5825 MHz; Duty Cycle: 1:1
- * Medium parameters used: $f = 5824.6$ MHz; $\sigma = 6.56$ mho/m; $\epsilon_r = 45.9$; $\rho = 1000$ kg/m³
- Electronics: DAE3 Sn442; Probe: EX3DV4 - SN3563; ConvF(3.26, 3.26, 3.26)
- Phantom: Flat Phantom 10.1; Serial: P 10.1; Phantom section: Flat 2.2 Section

Channel 165 Test/Area Scan (71x121x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 1.02 mW/g

Channel 165 Test/Zoom Scan (7x7x8)/Cube 0: Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm
Reference Value = 17.5 V/m; Power Drift = -0.215 dB
Peak SAR (extrapolated) = 3.49 W/kg
SAR(1 g) = 0.953 mW/g; SAR(10 g) = 0.300 mW/g
Maximum value of SAR (measured) = 1.87 mW/g

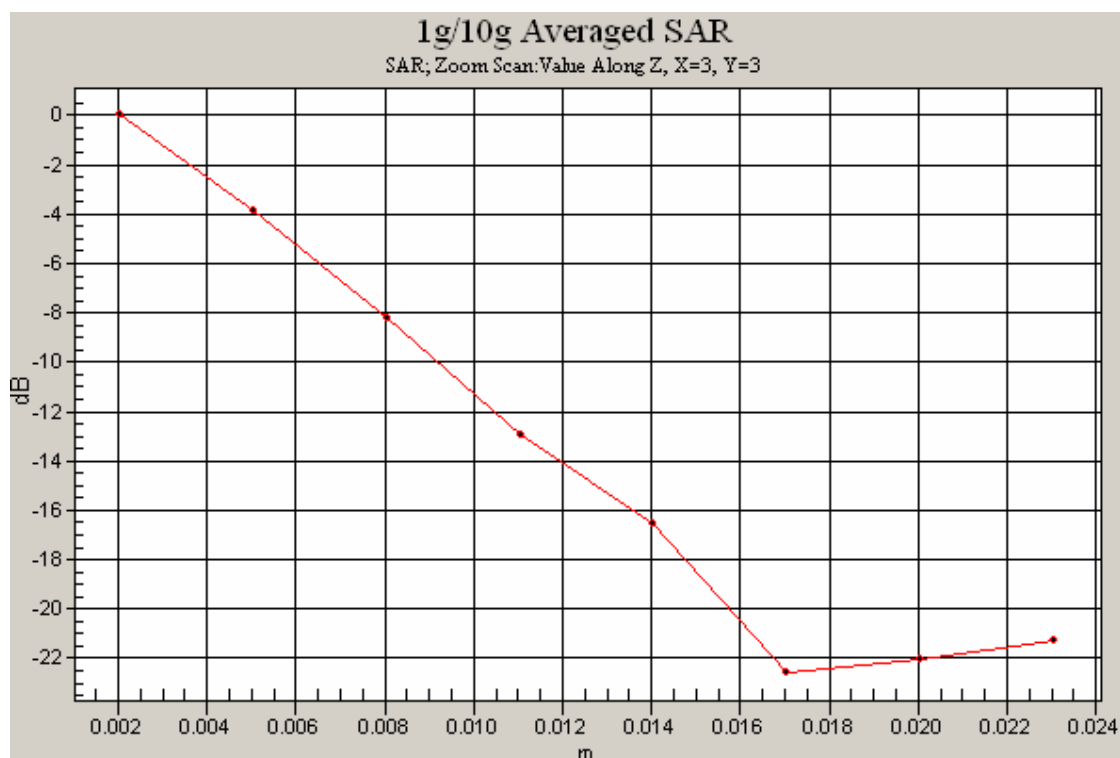


SAR MEASUREMENT PLOT 29

Ambient Temperature
Liquid Temperature
Humidity

20.2 Degrees Celsius
20.0 Degrees Celsius
43.0 %





Test Date: 19 August 2009

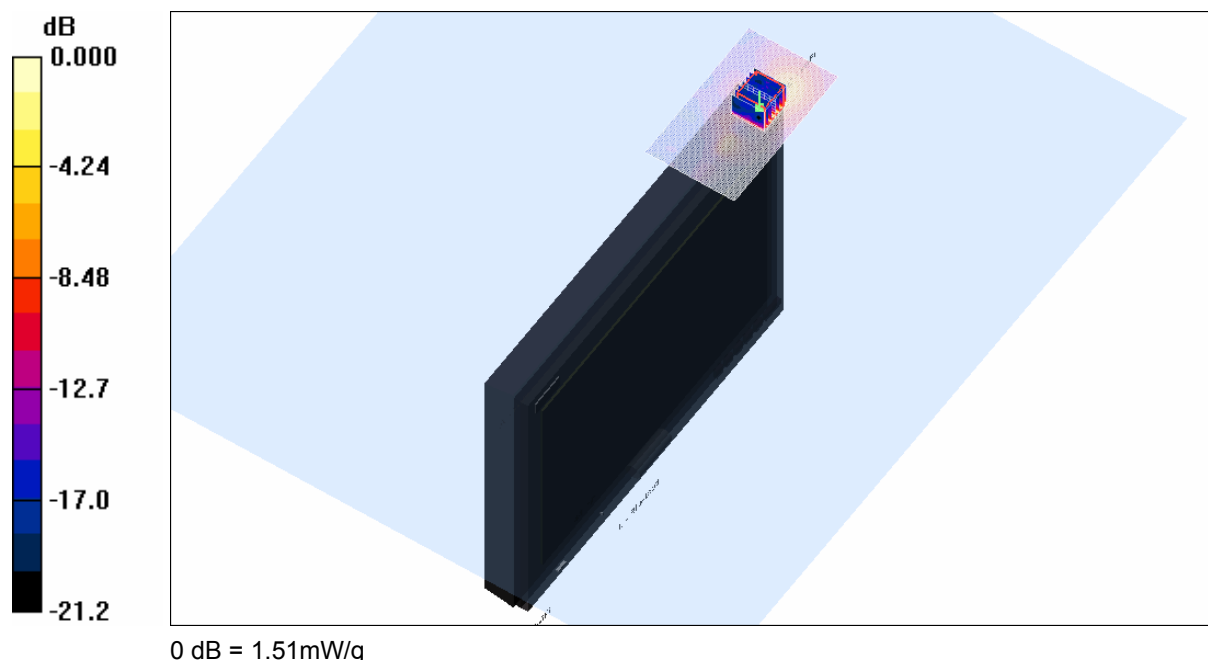
File Name: M090733 Secondary Landscape OFDM 5.8 GHz WiFi Antenna B (2) 19-08-09.da4

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

- * Communication System: OFDM 5770 MHz; Frequency: 5745 MHz; Duty Cycle: 1:1
- * Medium parameters used: $f = 5742.4$ MHz; $\sigma = 6.35$ mho/m; $\epsilon_r = 46.3$; $\rho = 1000$ kg/m³
- Electronics: DAE3 Sn442; Probe: EX3DV4 - SN3563; ConvF(3.26, 3.26, 3.26)
- Phantom: Flat Phantom 10.1; Serial: P 10.1; Phantom section: Flat 2.2 Section

Channel 149 Test/Area Scan (71x121x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.859 mW/g

Channel 149 Test/Zoom Scan (7x7x8)/Cube 0: Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm
Reference Value = 14.2 V/m; Power Drift = -0.187 dB
Peak SAR (extrapolated) = 2.76 W/kg
SAR(1 g) = 0.741 mW/g; SAR(10 g) = 0.250 mW/g
Maximum value of SAR (measured) = 1.51 mW/g

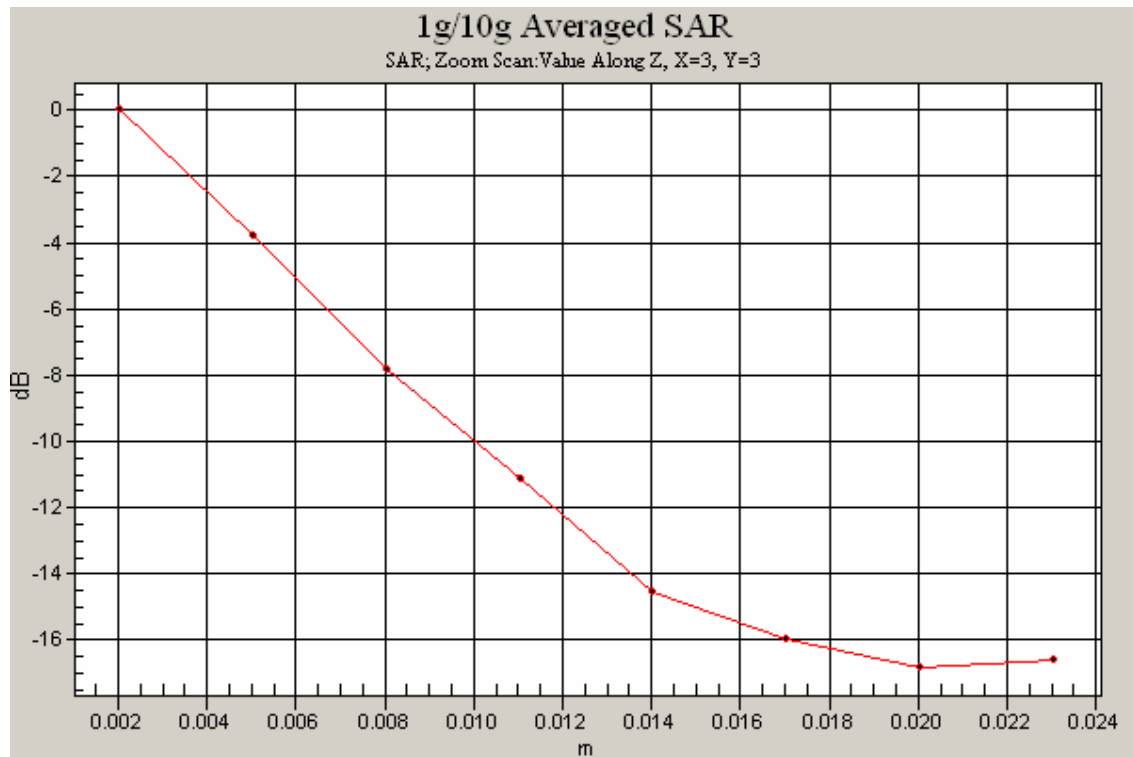


SAR MEASUREMENT PLOT 30

Ambient Temperature
Liquid Temperature
Humidity

20.3 Degrees Celsius
20.0 Degrees Celsius
42.0 %





Test Date: 19 August 2009

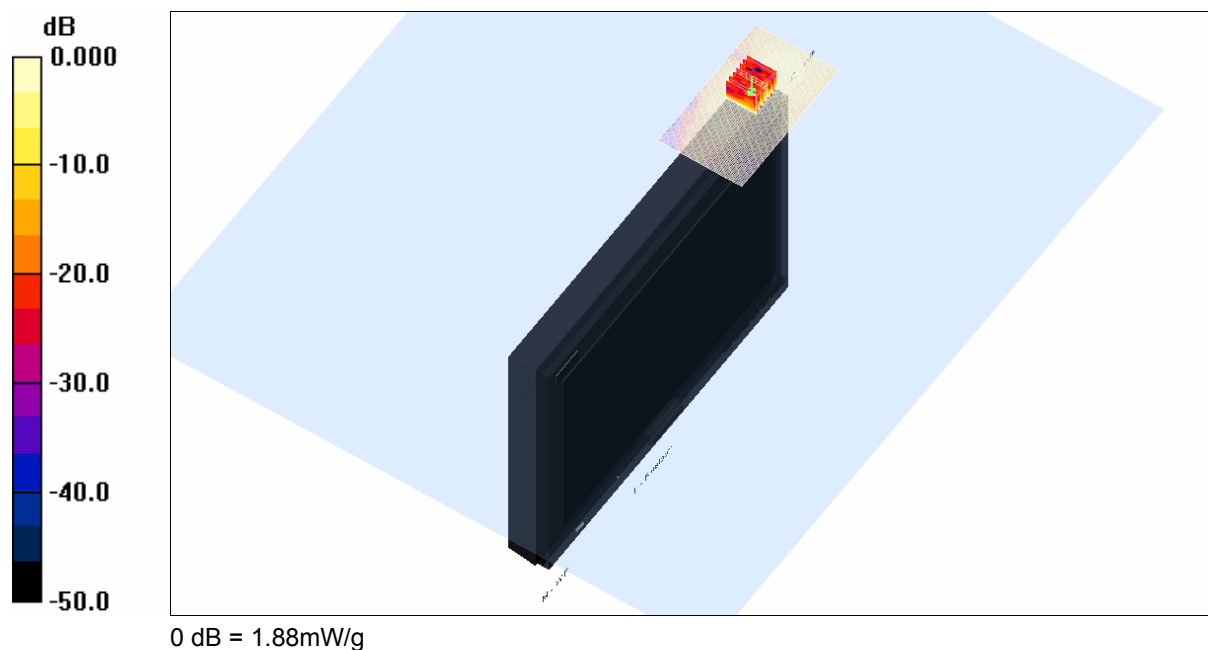
File Name: M090733 Secondary Landscape OFDM 5.8 GHz WiFi Antenna B (2) 19-08-09.da4

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

- * Communication System: OFDM 5770 MHz; Frequency: 5785 MHz; Duty Cycle: 1:1
- * Medium parameters used: $f = 5786.2$ MHz; $\sigma = 6.43$ mho/m; $\epsilon_r = 46.1$; $\rho = 1000$ kg/m³
- Electronics: DAE3 Sn442; Probe: EX3DV4 - SN3563; ConvF(3.26, 3.26, 3.26)
- Phantom: Flat Phantom 10.1; Serial: P 10.1; Phantom section: Flat 2.2 Section

Channel 157 Test/Area Scan (71x121x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 1.06 mW/g

Channel 157 Test/Zoom Scan (7x7x8)/Cube 0: Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm
Reference Value = 9.39 V/m; Power Drift = -0.271 dB
Peak SAR (extrapolated) = 3.52 W/kg
SAR(1 g) = 0.897 mW/g; SAR(10 g) = 0.283 mW/g
Maximum value of SAR (measured) = 1.88 mW/g



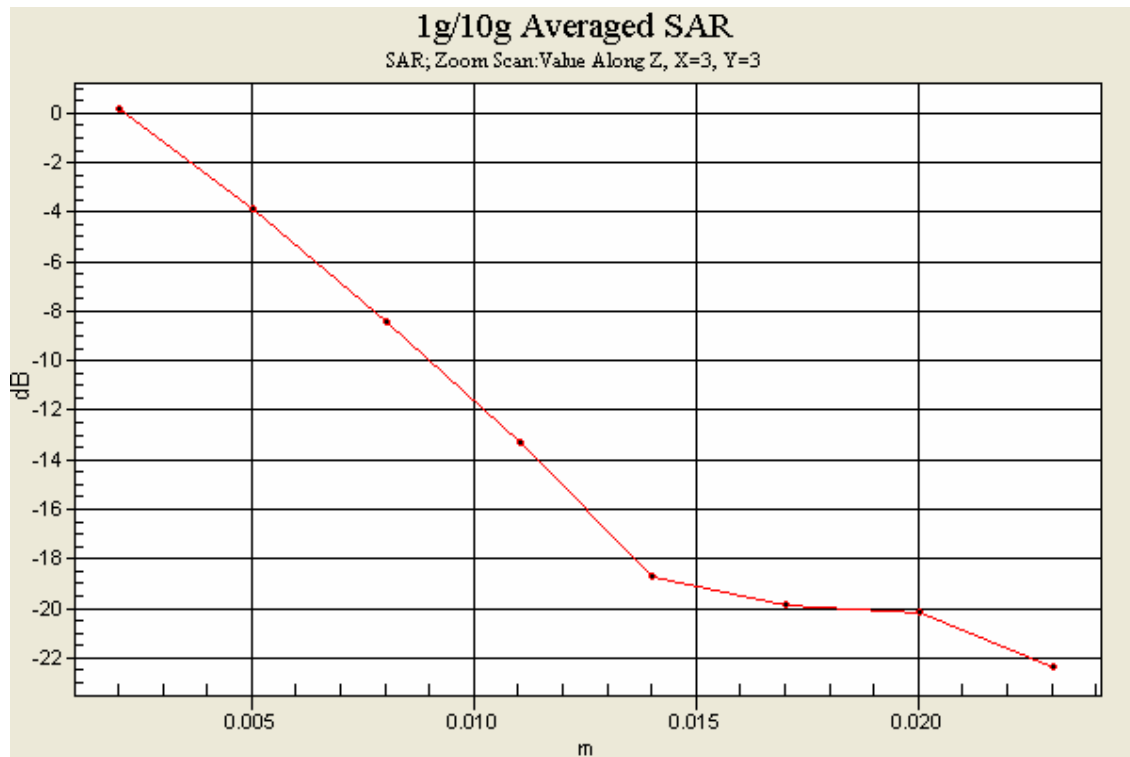
SAR MEASUREMENT PLOT 31

Ambient Temperature
Liquid Temperature
Humidity

20.3 Degrees Celsius
20.0 Degrees Celsius
42.0 %



This document must not be copied or reproduced, except in full without the written permission of the Manager, EMC Technologies Pty Ltd. The certificate on page 3 may be reproduced in full.
www.emctech.com.au



Test Date: 19 August 2009

File Name: M090733 Secondary Landscape OFDM 5.8 GHz WiFi Antenna B (2) 19-08-09.da4

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

* Communication System: OFDM 5770 MHz; Frequency: 5825 MHz; Duty Cycle: 1:1

* Medium parameters used: $f = 5830$ MHz; $\sigma = 6.47$ mho/m; $\epsilon_r = 46$; $\rho = 1000$ kg/m³

- Electronics: DAE3 Sn442; Probe: EX3DV4 - SN3563; ConvF(3.26, 3.26, 3.26)

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

Channel 165 Test/Area Scan (71x121x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.733 mW/g

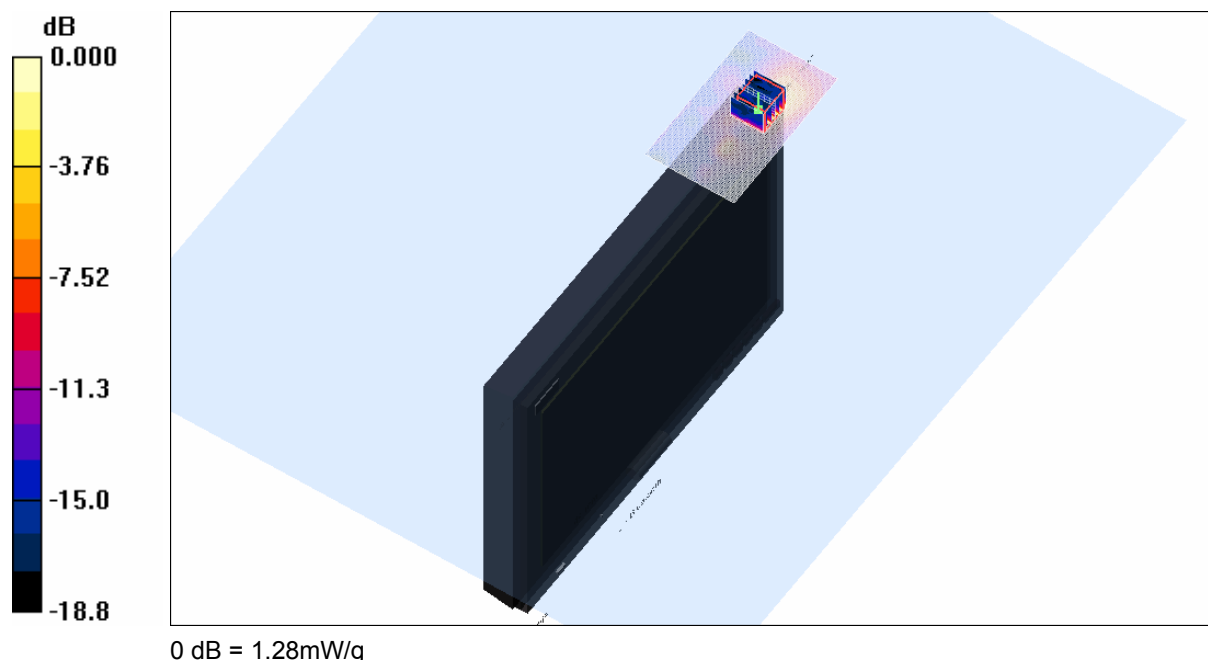
Channel 165 Test/Zoom Scan (7x7x8)/Cube 0: Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm

Reference Value = 14.2 V/m; Power Drift = -0.071 dB

Peak SAR (extrapolated) = 2.30 W/kg

SAR(1 g) = 0.661 mW/g; SAR(10 g) = 0.229 mW/g

Maximum value of SAR (measured) = 1.28 mW/g



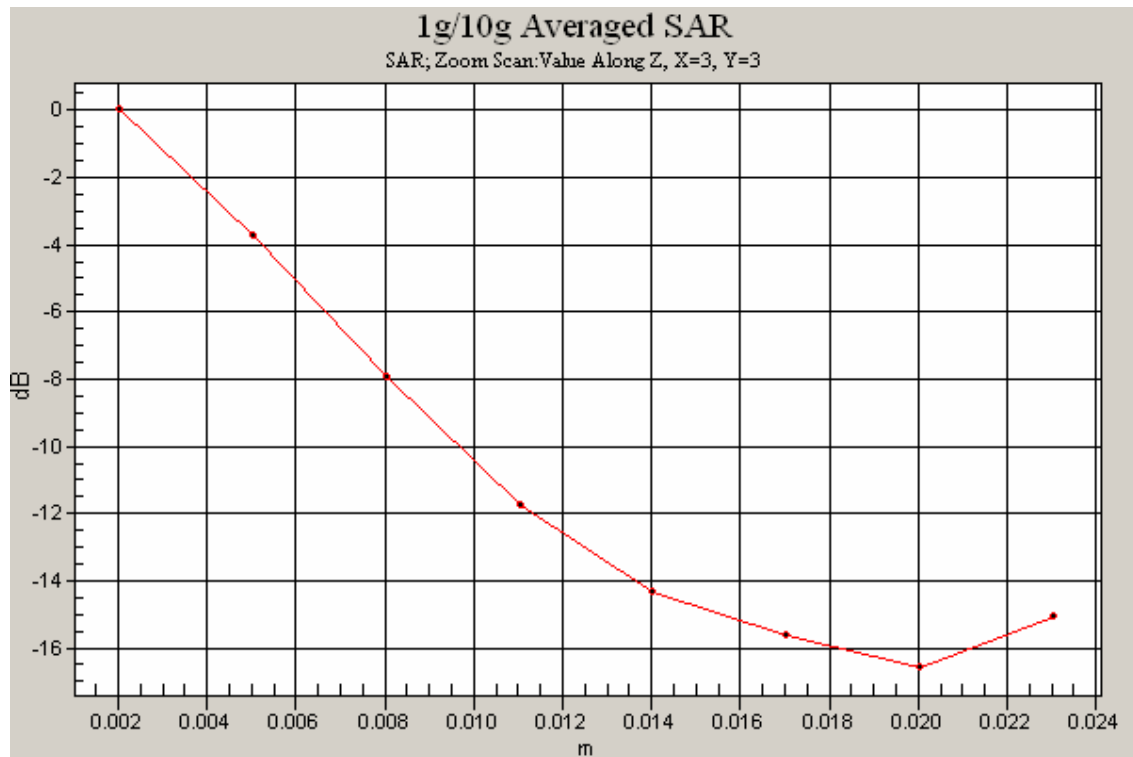
SAR MEASUREMENT PLOT 32

Ambient Temperature
Liquid Temperature
Humidity

20.3 Degrees Celsius
20.0 Degrees Celsius
42.0 %



This document must not be copied or reproduced, except in full without the written permission of the Manager, EMC Technologies Pty Ltd. The certificate on page 3 may be reproduced in full.
www.emctech.com.au



This document must not be copied or reproduced, except in full without the written permission of the Manager, EMC Technologies Pty Ltd. The certificate on page 3 may be reproduced in full.
www.emctech.com.au

Test Date: 3 August 2009

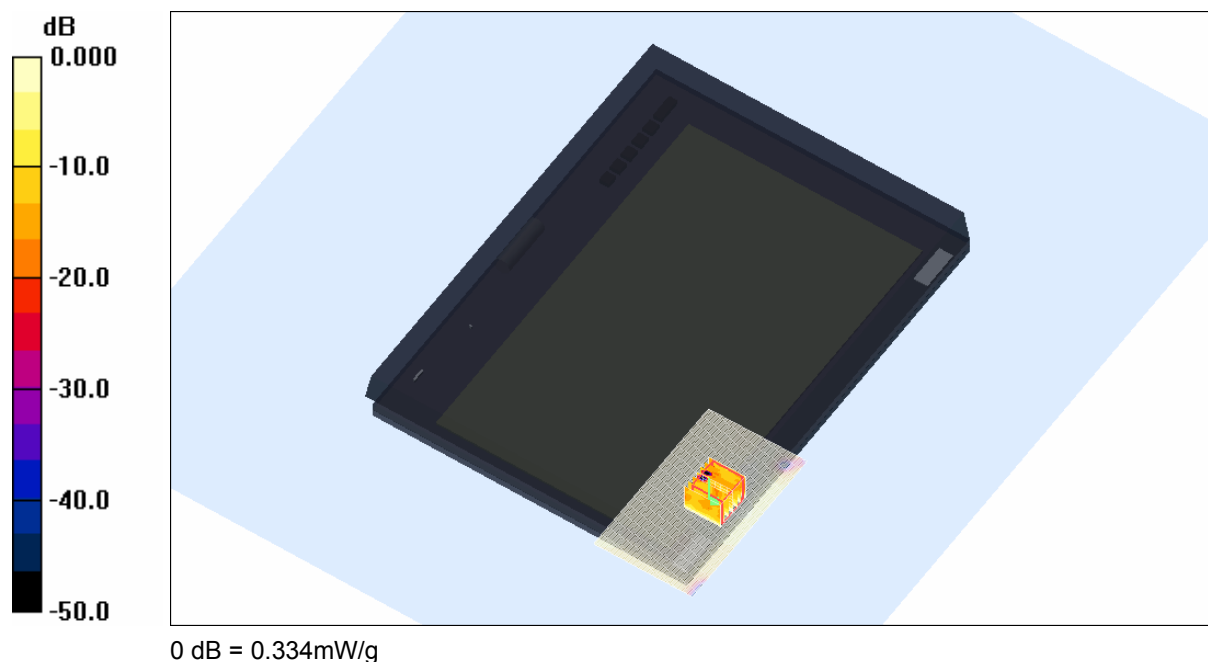
File Name: M090733 Tablet OFDM 5.8 GHz WiFi Antenna A (1) 03-08-09.da4

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

- * Communication System: OFDM 5770 MHz; Frequency: 5785 MHz; Duty Cycle: 1:1
- * Medium parameters used: $f = 5785$ MHz; $\sigma = 6.51$ mho/m; $\epsilon_r = 46.1$; $\rho = 1000$ kg/m³
- Electronics: DAE3 Sn442; Probe: EX3DV4 - SN3563; ConvF(3.26, 3.26, 3.26)
- Phantom: Flat Phantom 10.1; Serial: P 10.1; Phantom section: Flat 2.2 Section

Channel 157 Test/Area Scan (71x121x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.195 mW/g

Channel 157 Test/Zoom Scan (7x7x8)/Cube 0: Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm
Reference Value = 5.97 V/m; Power Drift = -0.260 dB
Peak SAR (extrapolated) = 0.553 W/kg
SAR(1 g) = 0.172 mW/g; SAR(10 g) = 0.074 mW/g
Maximum value of SAR (measured) = 0.334 mW/g



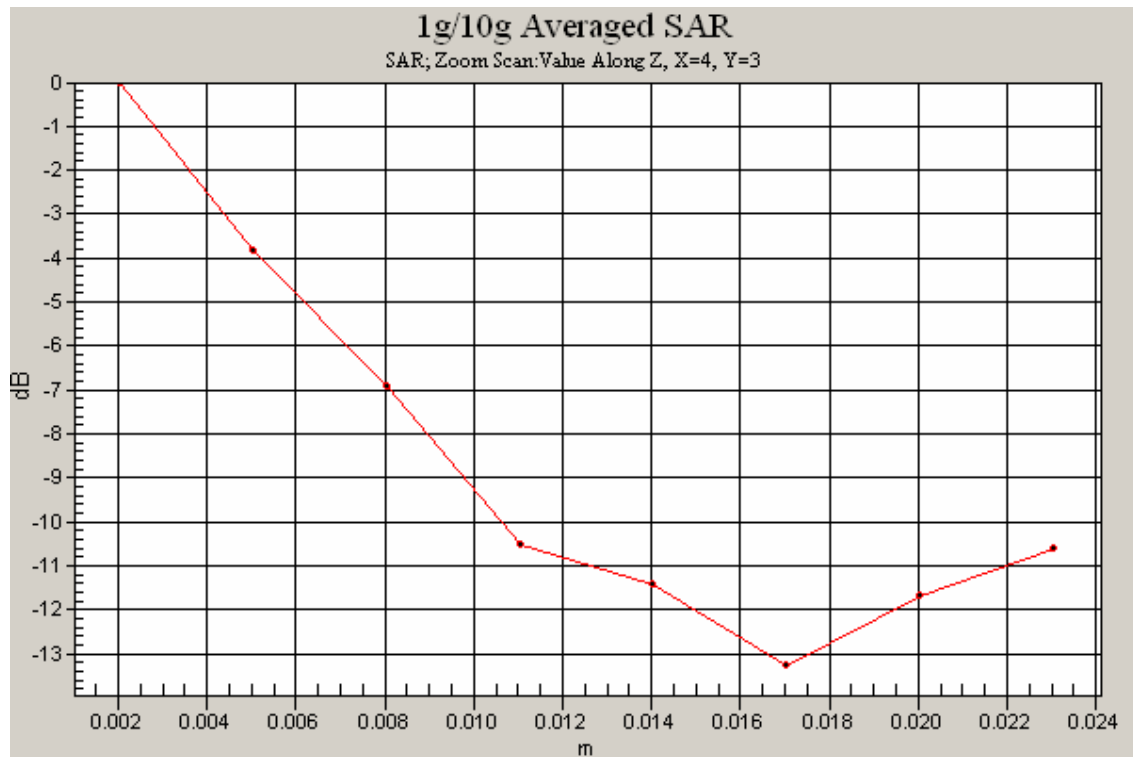
SAR MEASUREMENT PLOT 33

Ambient Temperature
Liquid Temperature
Humidity

20.2 Degrees Celsius
20.0 Degrees Celsius
43.0 %



This document must not be copied or reproduced, except in full without the written permission of the Manager, EMC Technologies Pty Ltd. The certificate on page 3 may be reproduced in full.
www.emctech.com.au



Test Date: 3 August 2009

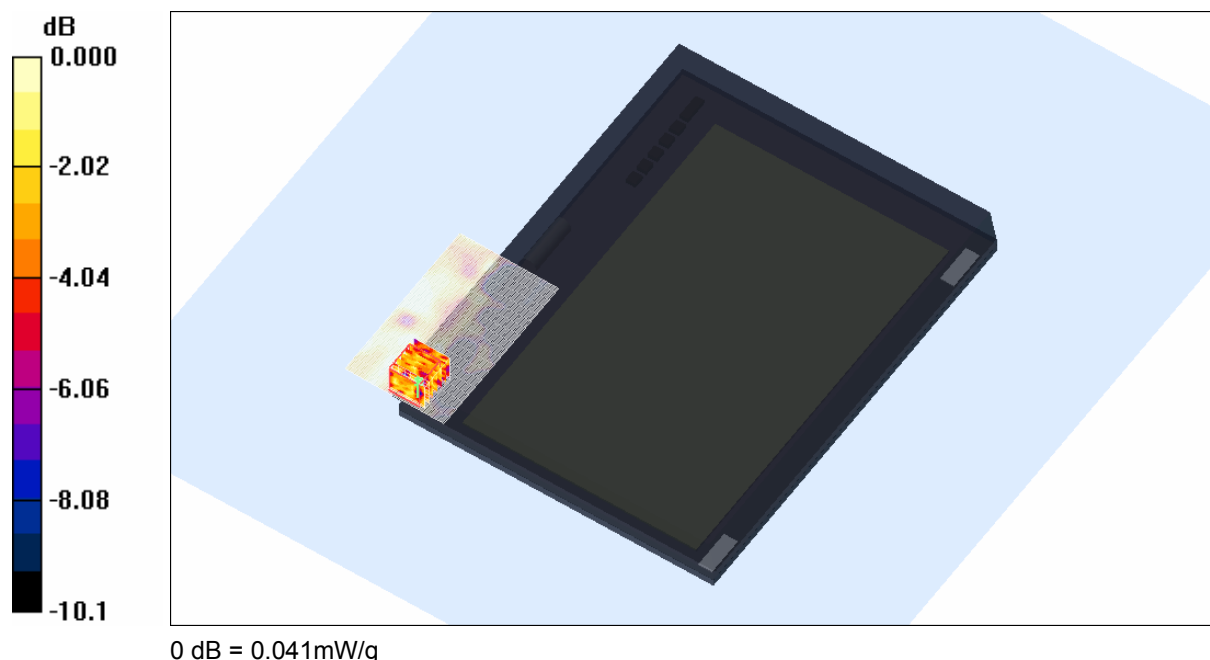
File Name: M090733 Tablet OFDM 5.8 GHz WiFi Antenna C (3) 03-08-09.da4

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

- * Communication System: OFDM 5770 MHz; Frequency: 5785 MHz; Duty Cycle: 1:1
- * Medium parameters used: $f = 5785 \text{ MHz}$; $\sigma = 6.51 \text{ mho/m}$; $\epsilon_r = 46.1$; $\rho = 1000 \text{ kg/m}^3$
- Electronics: DAE3 Sn442; Probe: EX3DV4 - SN3563; ConvF(3.26, 3.26, 3.26)
- Phantom: Flat Phantom 10.1; Serial: P 10.1; Phantom section: Flat 2.2 Section

Channel 157 Test/Area Scan (71x121x1): Measurement grid: $dx=10\text{mm}$, $dy=10\text{mm}$
Maximum value of SAR (interpolated) = 0.074 mW/g

Channel 157 Test/Zoom Scan (7x7x8)/Cube 0: Measurement grid: $dx=4.3\text{mm}$, $dy=4.3\text{mm}$, $dz=3\text{mm}$
Reference Value = 1.55 V/m; Power Drift = 0.201 dB
Peak SAR (extrapolated) = 0.052 W/kg
SAR(1 g) = 0.023 mW/g; SAR(10 g) = 0.019 mW/g
Maximum value of SAR (measured) = 0.041 mW/g

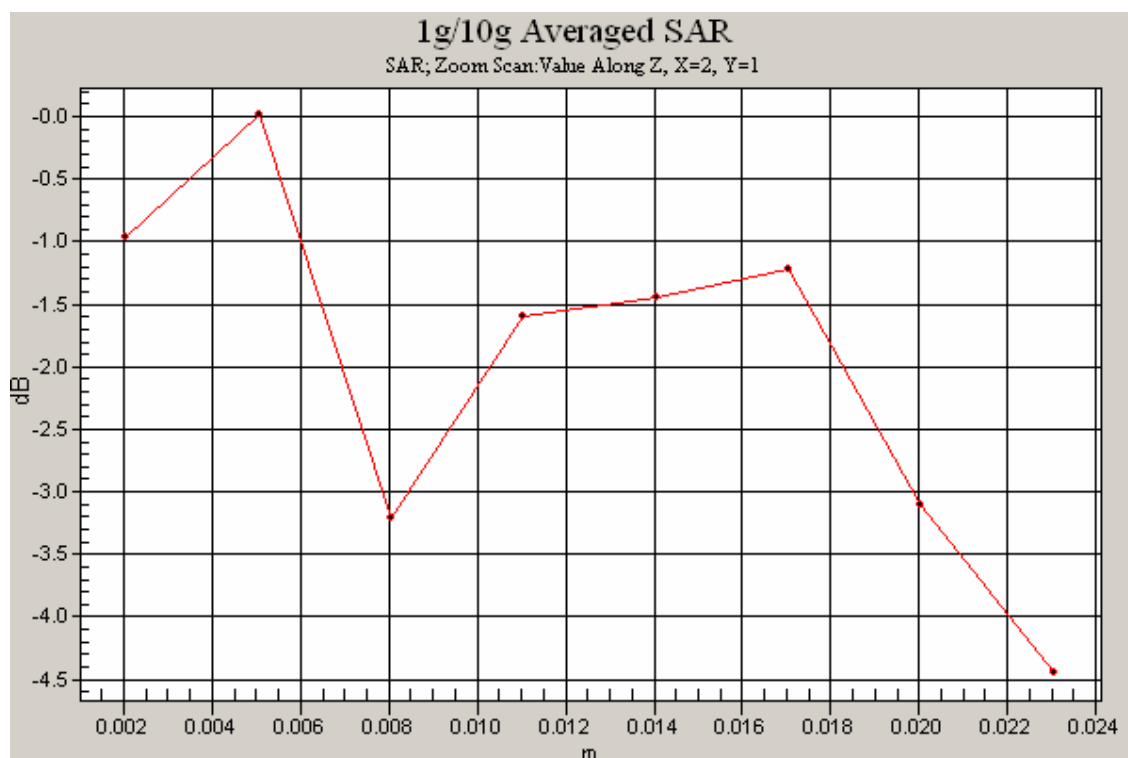


SAR MEASUREMENT PLOT 34

Ambient Temperature
Liquid Temperature
Humidity

20.2 Degrees Celsius
20.0 Degrees Celsius
43.0 %





Test Date: 3 August 2009

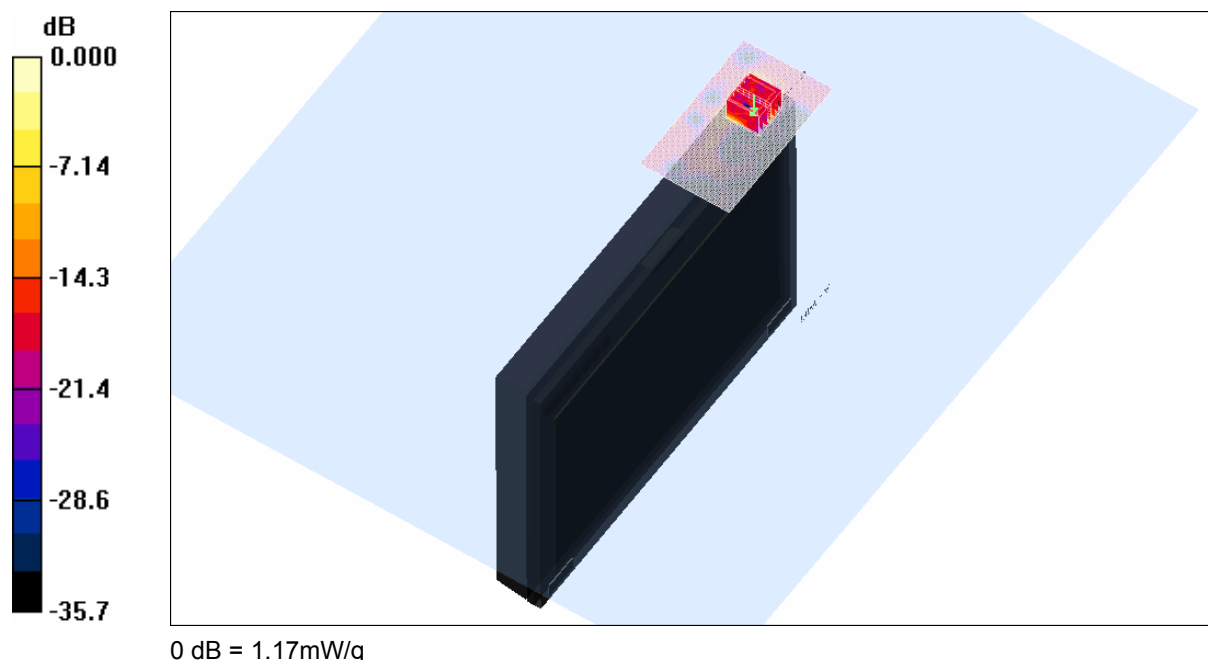
File Name: M090733 Primary Landscape OFDM 5.8 GHz WiFi Antenna C (3) 03-08-09.da4

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

- * Communication System: OFDM 5770 MHz; Frequency: 5745 MHz; Duty Cycle: 1:1
- * Medium parameters used: $f = 5745.4$ MHz; $\sigma = 6.43$ mho/m; $\epsilon_r = 46.2$; $\rho = 1000$ kg/m³
- Electronics: DAE3 Sn442; Probe: EX3DV4 - SN3563; ConvF(3.26, 3.26, 3.26)
- Phantom: Flat Phantom 10.1; Serial: P 10.1; Phantom section: Flat 2.2 Section

Channel 149 Test/Area Scan (71x121x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.705 mW/g

Channel 149 Test/Zoom Scan (7x7x8)/Cube 0: Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm
Reference Value = 11.2 V/m; Power Drift = -0.068 dB
Peak SAR (extrapolated) = 2.19 W/kg
SAR(1 g) = 0.495 mW/g; SAR(10 g) = 0.130 mW/g
Maximum value of SAR (measured) = 1.17 mW/g



SAR MEASUREMENT PLOT 35

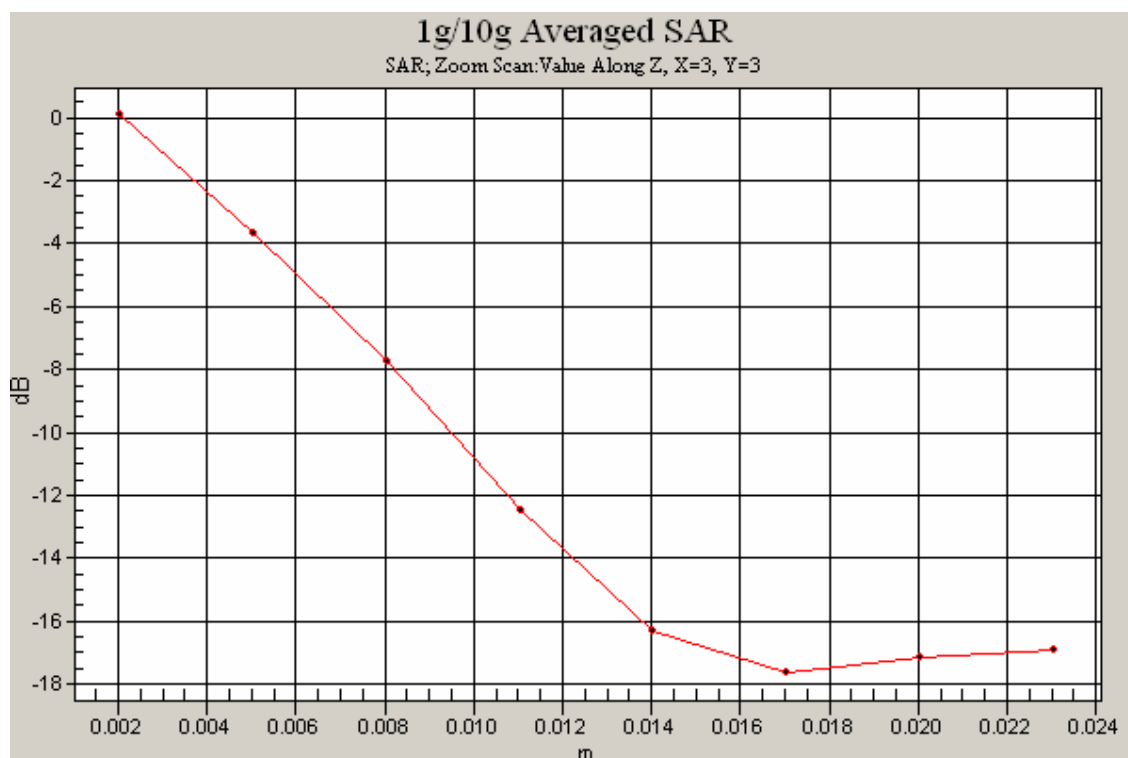
Ambient Temperature
Liquid Temperature
Humidity

20.2 Degrees Celsius
20.0 Degrees Celsius
43.0 %



Accreditation No. 5292

This document must not be copied or reproduced, except in full without the written permission of the Manager, EMC Technologies Pty Ltd. The certificate on page 3 may be reproduced in full.
www.emctech.com.au



Test Date: 3 August 2009

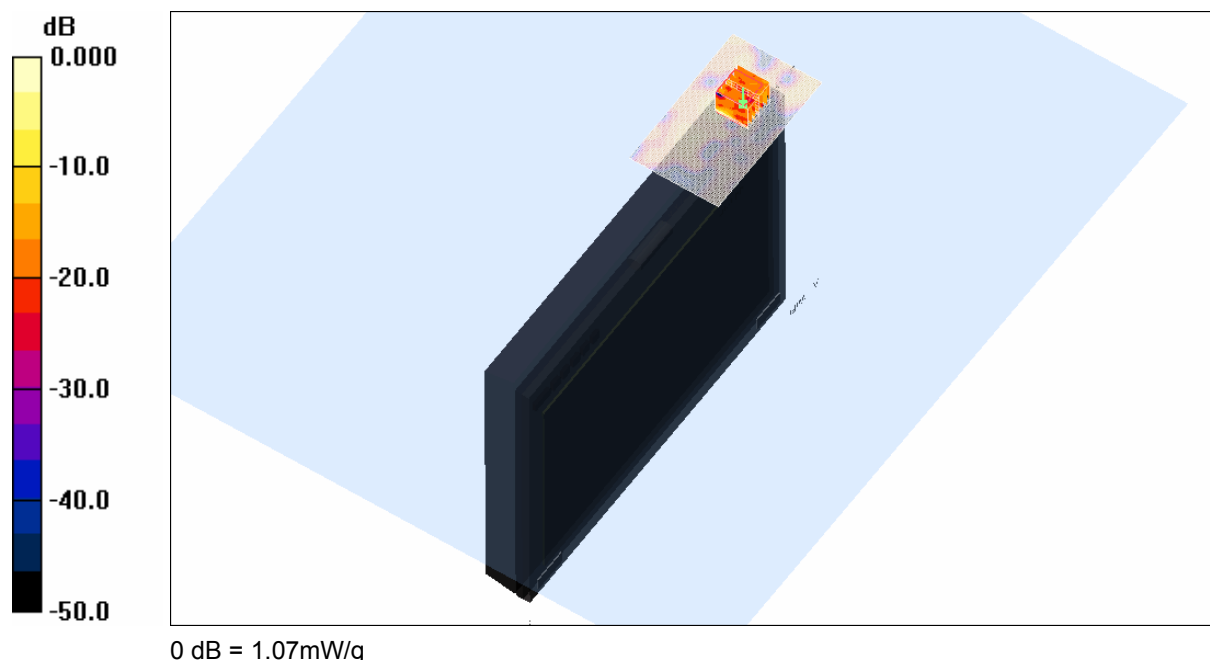
File Name: M090733 Primary Landscape OFDM 5.8 GHz WiFi Antenna C (3) 03-08-09.da4

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

- * Communication System: OFDM 5770 MHz; Frequency: 5785 MHz; Duty Cycle: 1:1
- * Medium parameters used: $f = 5785$ MHz; $\sigma = 6.51$ mho/m; $\epsilon_r = 46.1$; $\rho = 1000$ kg/m³
- Electronics: DAE3 Sn442; Probe: EX3DV4 - SN3563; ConvF(3.26, 3.26, 3.26)
- Phantom: Flat Phantom 10.1; Serial: P 10.1; Phantom section: Flat 2.2 Section

Channel 157 Test/Area Scan (71x121x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.687 mW/g

Channel 157 Test/Zoom Scan (7x7x8)/Cube 0: Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm
Reference Value = 11.0 V/m; Power Drift = -0.057 dB
Peak SAR (extrapolated) = 1.92 W/kg
SAR(1 g) = 0.425 mW/g; SAR(10 g) = 0.112 mW/g
Maximum value of SAR (measured) = 1.07 mW/g

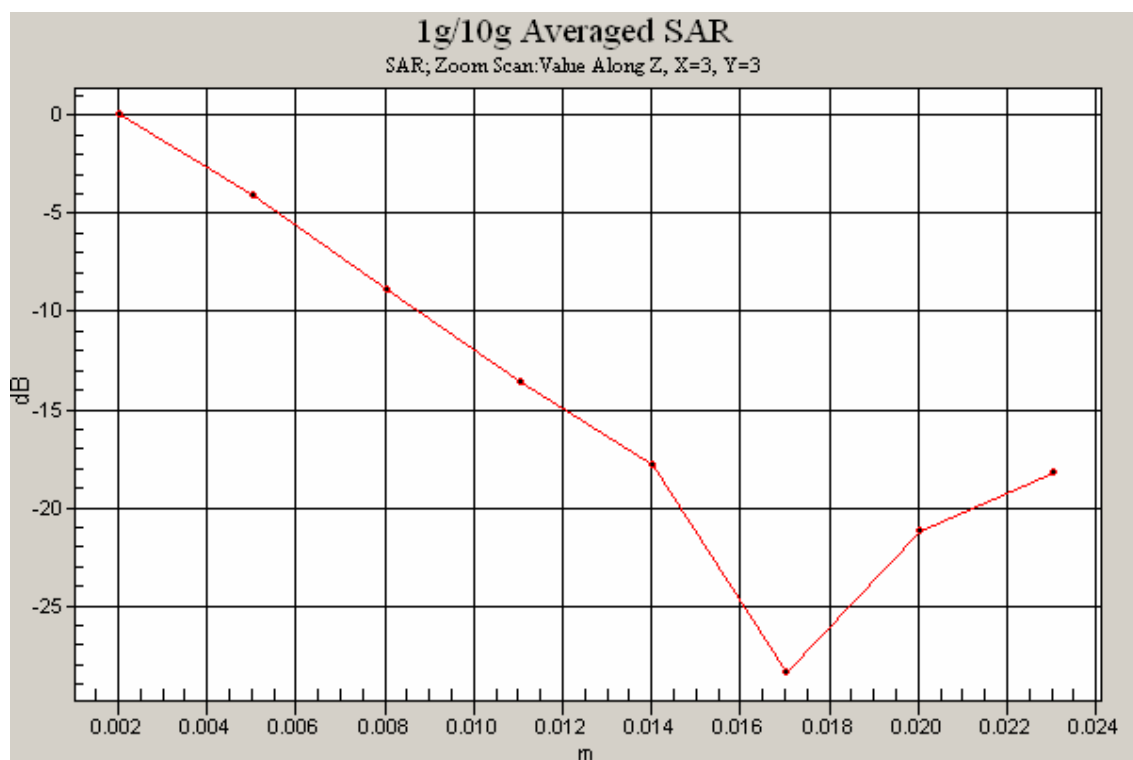


SAR MEASUREMENT PLOT 36

Ambient Temperature
Liquid Temperature
Humidity

20.2 Degrees Celsius
20.0 Degrees Celsius
43.0 %





Test Date: 3 August 2009

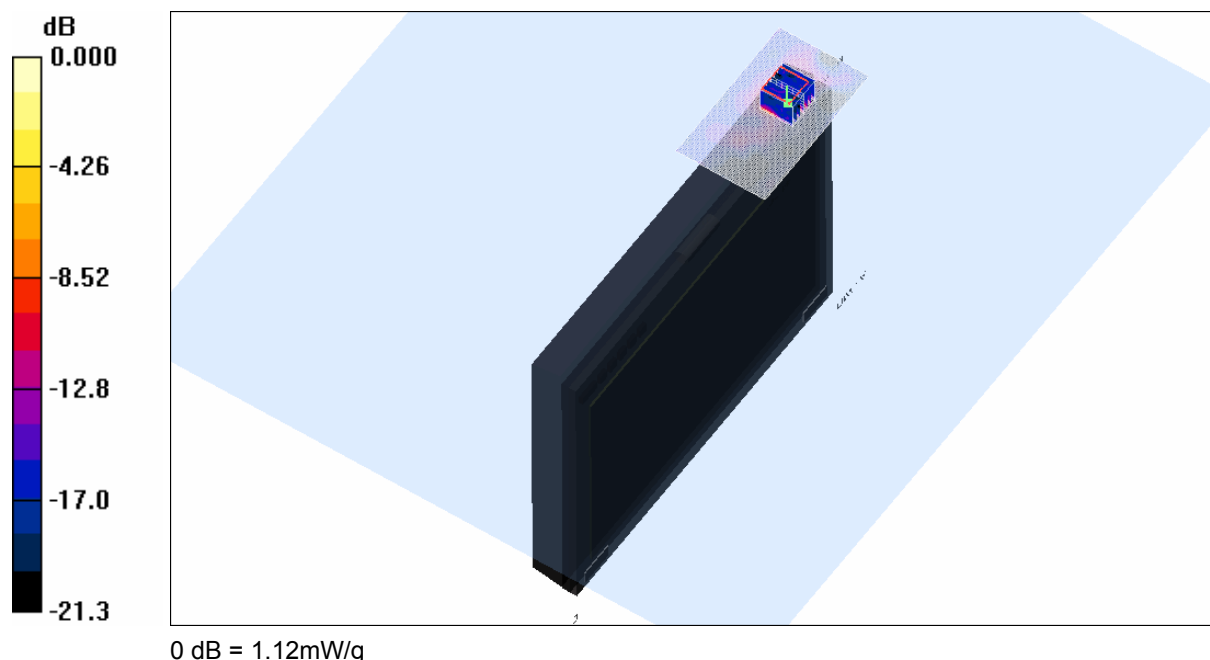
File Name: M090733 Primary Landscape OFDM 5.8 GHz WiFi Antenna C (3) 03-08-09.da4

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

- * Communication System: OFDM 5770 MHz; Frequency: 5825 MHz; Duty Cycle: 1:1
- * Medium parameters used: $f = 5824.6$ MHz; $\sigma = 6.56$ mho/m; $\epsilon_r = 45.9$; $\rho = 1000$ kg/m³
- Electronics: DAE3 Sn442; Probe: EX3DV4 - SN3563; ConvF(3.26, 3.26, 3.26)
- Phantom: Flat Phantom 10.1; Serial: P 10.1; Phantom section: Flat 2.2 Section

Channel 165 Test/Area Scan (71x121x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.598 mW/g

Channel 165 Test/Zoom Scan (7x7x8)/Cube 0: Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm
Reference Value = 10.1 V/m; Power Drift = -0.258 dB
Peak SAR (extrapolated) = 2.50 W/kg
SAR(1 g) = 0.505 mW/g; SAR(10 g) = 0.138 mW/g
Maximum value of SAR (measured) = 1.12 mW/g

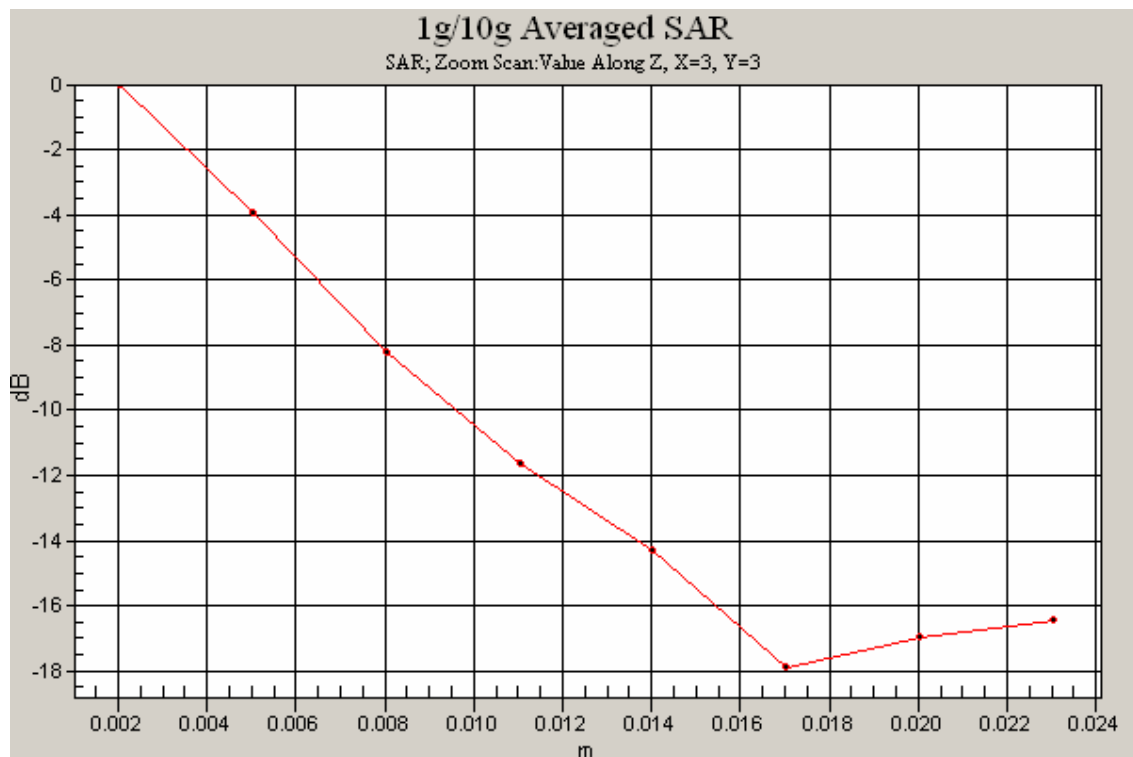


SAR MEASUREMENT PLOT 37

Ambient Temperature
Liquid Temperature
Humidity

20.2 Degrees Celsius
20.0 Degrees Celsius
43.0 %





Test Date: 3 August 2009

File Name: Validation 5800MHz (DAE 442 Probe EX3DV4) 03-08-09.da4

DUT: Dipole 5200_5800 MHz; Type: D5GHzV2; Serial: 1008

* Communication System: CW 5800 MHz; Frequency: 5800 MHz; Duty Cycle: 1:1

* Medium parameters used: $f = 5799.4$ MHz; $\sigma = 5.43$ mho/m; $\epsilon_r = 36$; $\rho = 1000$ kg/m³

- Electronics: DAE3 Sn442; Probe: EX3DV4 - SN3563; ConvF(3.65, 3.65, 3.65)

- Phantom: SAM 22; Serial: 1260; Phantom section: Flat Section

Channel 1 Test/Area Scan (91x91x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 46.0 mW/g

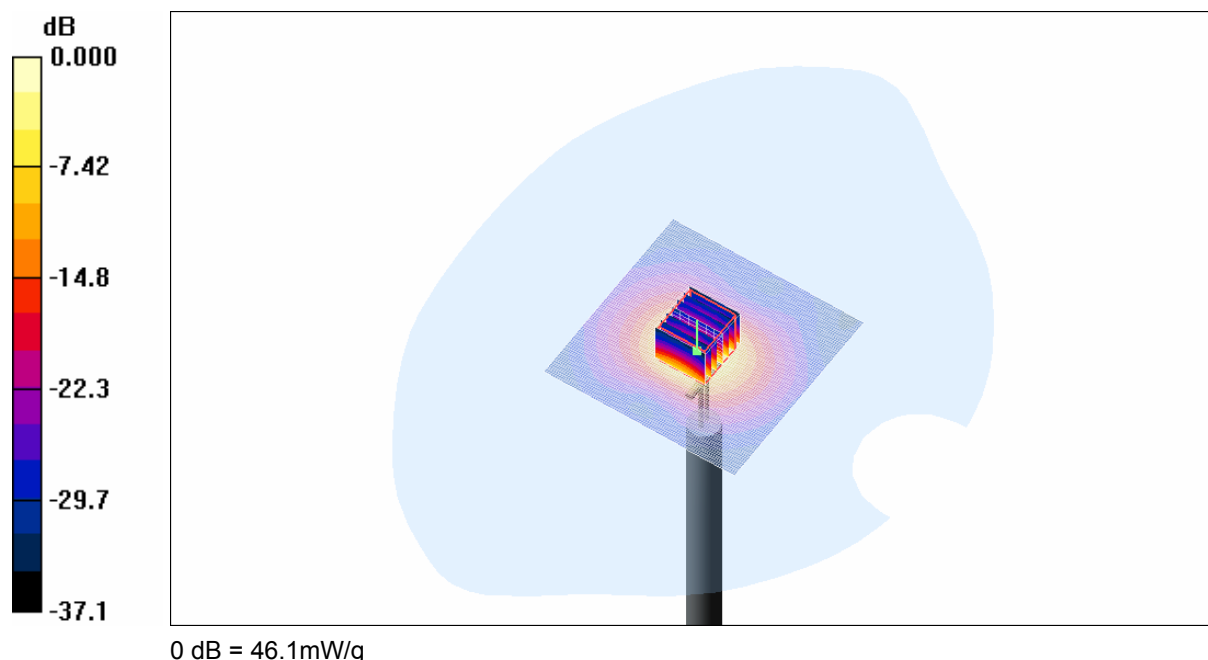
Channel 1 Test/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 95.5 V/m; Power Drift = -0.054 dB

Peak SAR (extrapolated) = 90.2 W/kg

SAR(1 g) = 22 mW/g; SAR(10 g) = 6.26 mW/g

Maximum value of SAR (measured) = 46.1 mW/g

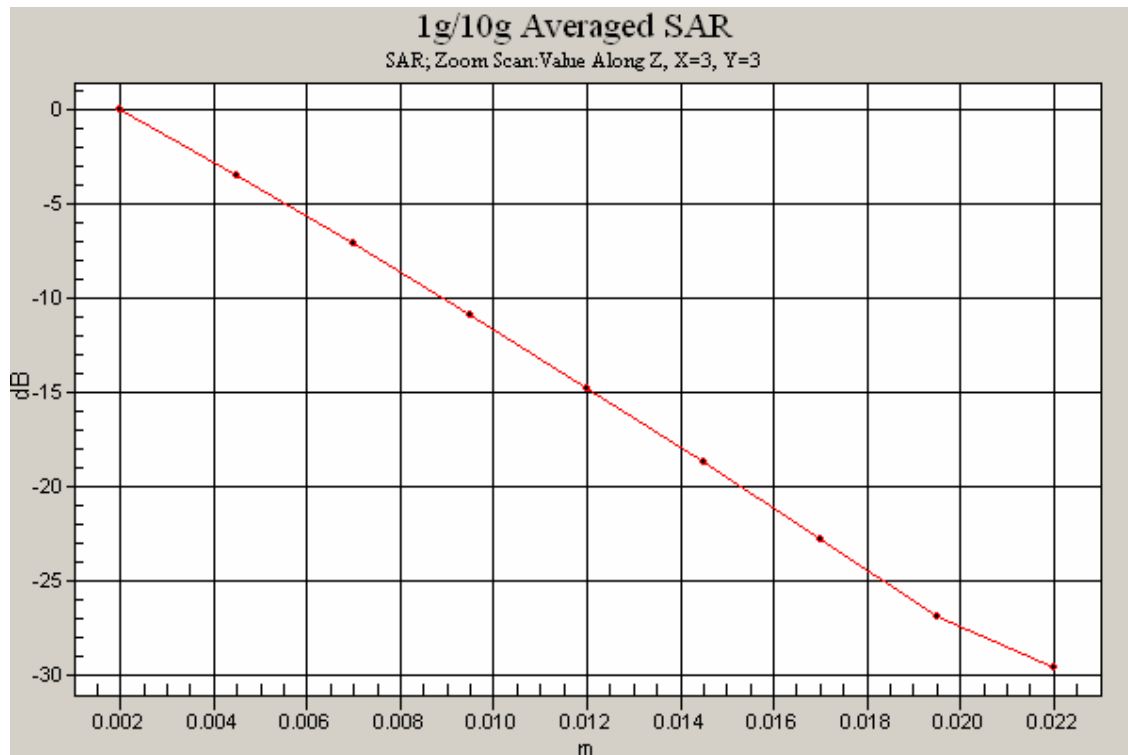


SAR MEASUREMENT PLOT 38

Ambient Temperature
Liquid Temperature
Humidity

20.2 Degrees Celsius
20.0 Degrees Celsius
43.0 %





Test Date: 5 August 2009

File Name: Validation 5500MHz (DAE 442 Probe EX3DV4) 05-08-09.da4

DUT: Dipole 5200_5800 MHz; Type: D5GHzV2; Serial: 1008

* Communication System: CW 5500 MHz; Frequency: 5500 MHz; Duty Cycle: 1:1

* Medium parameters used: $f = 5498$ MHz; $\sigma = 4.92$ mho/m; $\epsilon_r = 36.7$; $\rho = 1000$ kg/m³

- Electronics: DAE3 Sn442; Probe: EX3DV4 - SN3563; ConvF(3.76, 3.76, 3.76)

- Phantom: SAM 22; Serial: 1260; Phantom section: Flat Section

Channel 1 Test/Area Scan (91x91x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 44.0 mW/g

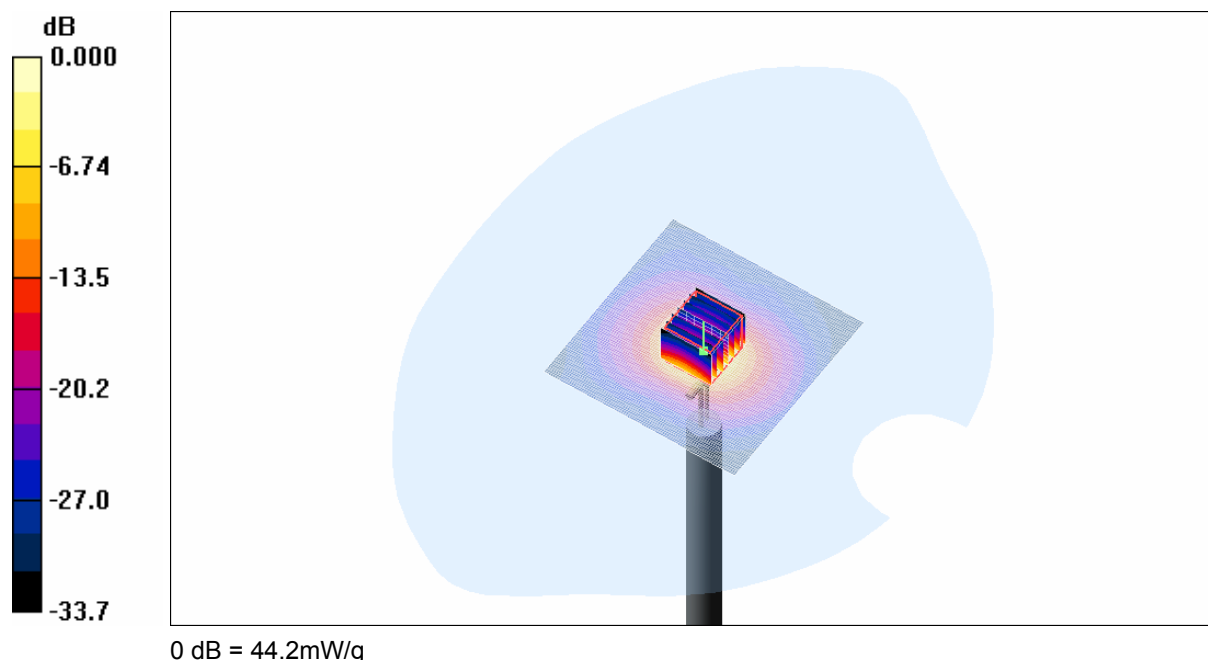
Channel 1 Test/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 98.1 V/m; Power Drift = -0.057 dB

Peak SAR (extrapolated) = 84.9 W/kg

SAR(1 g) = 20.7 mW/g; SAR(10 g) = 5.88 mW/g

Maximum value of SAR (measured) = 44.2 mW/g



SAR MEASUREMENT PLOT 39

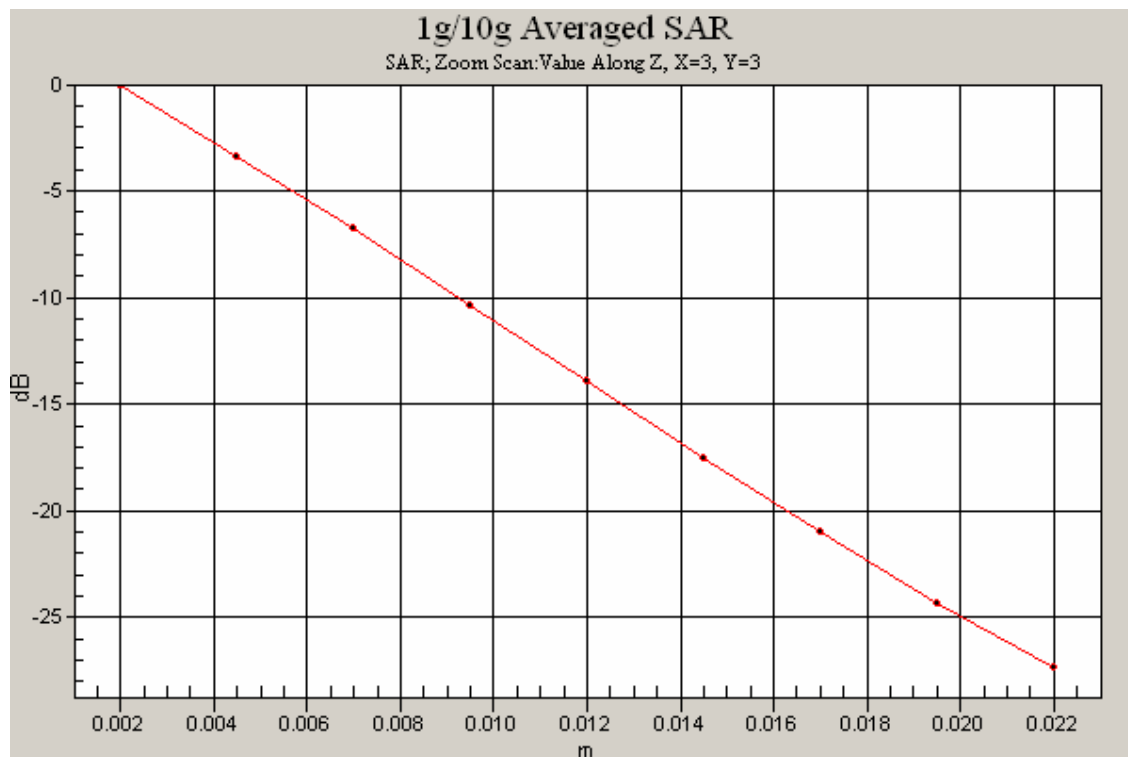
Ambient Temperature
Liquid Temperature
Humidity

20.9 Degrees Celsius
20.5 Degrees Celsius
42.0 %



Accreditation No. 5292

This document must not be copied or reproduced, except in full without the written permission of the Manager, EMC Technologies Pty Ltd. The certificate on page 3 may be reproduced in full.
www.emctech.com.au



Test Date: 7 August 2009

File Name: Validation 5200MHz (DAE 442 Probe EX3DV4) 07-08-09.da4

DUT: Dipole 5200_5800 MHz; Type: D5GHzV2; Serial: 1008

* Communication System: CW 5200 MHz; Frequency: 5200 MHz; Duty Cycle: 1:1

* Medium parameters used: $f = 5202$ MHz; $\sigma = 4.9$ mho/m; $\epsilon_r = 37.2$; $\rho = 1000$ kg/m³

- Electronics: DAE3 Sn442; Probe: EX3DV4 - SN3563; ConvF(4.32, 4.32, 4.32)

- Phantom: SAM 22; Serial: 1260; Phantom section: Flat Section

Channel 1 Test/Area Scan (91x91x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 43.0 mW/g

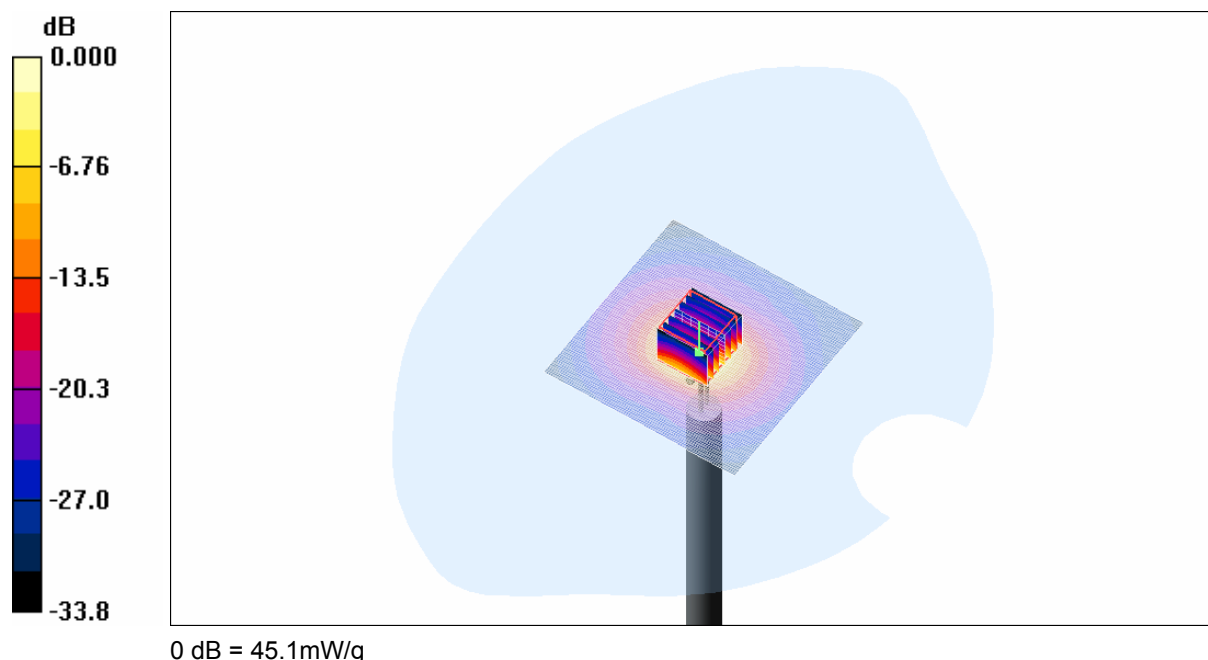
Channel 1 Test/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 95.6 V/m; Power Drift = 0.093 dB

Peak SAR (extrapolated) = 82.6 W/kg

SAR(1 g) = 21.8 mW/g; SAR(10 g) = 6.23 mW/g

Maximum value of SAR (measured) = 45.1 mW/g

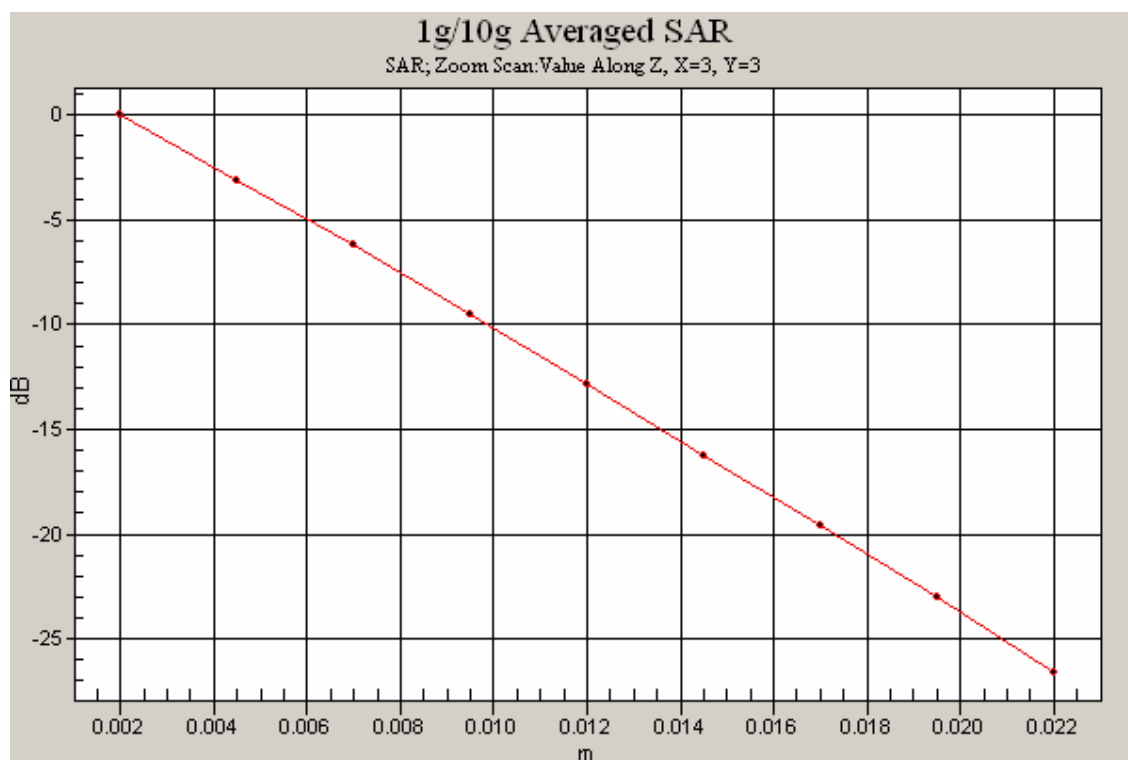


SAR MEASUREMENT PLOT 40

Ambient Temperature
Liquid Temperature
Humidity

20.8 Degrees Celsius
20.6 Degrees Celsius
46.0 %





Test Date: 18 August 2009

File Name: Validation 5200MHz (DAE 442 Probe EX3DV4) 18-08-09.da4

DUT: Dipole 5200_5800 MHz; Type: D5GHzV2; Serial: 1008

* Communication System: CW 5200 MHz; Frequency: 5200 MHz; Duty Cycle: 1:1

* Medium parameters used: $f = 5202.2$ MHz; $\sigma = 4.66$ mho/m; $\epsilon_r = 37.6$; $\rho = 1000$ kg/m³

- Electronics: DAE3 Sn442; Probe: EX3DV4 - SN3563; ConvF(4.32, 4.32, 4.32)

- Phantom: SAM 22; Serial: 1260; Phantom section: Flat Section

Channel 1 Test/Area Scan (91x91x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 43.7 mW/g

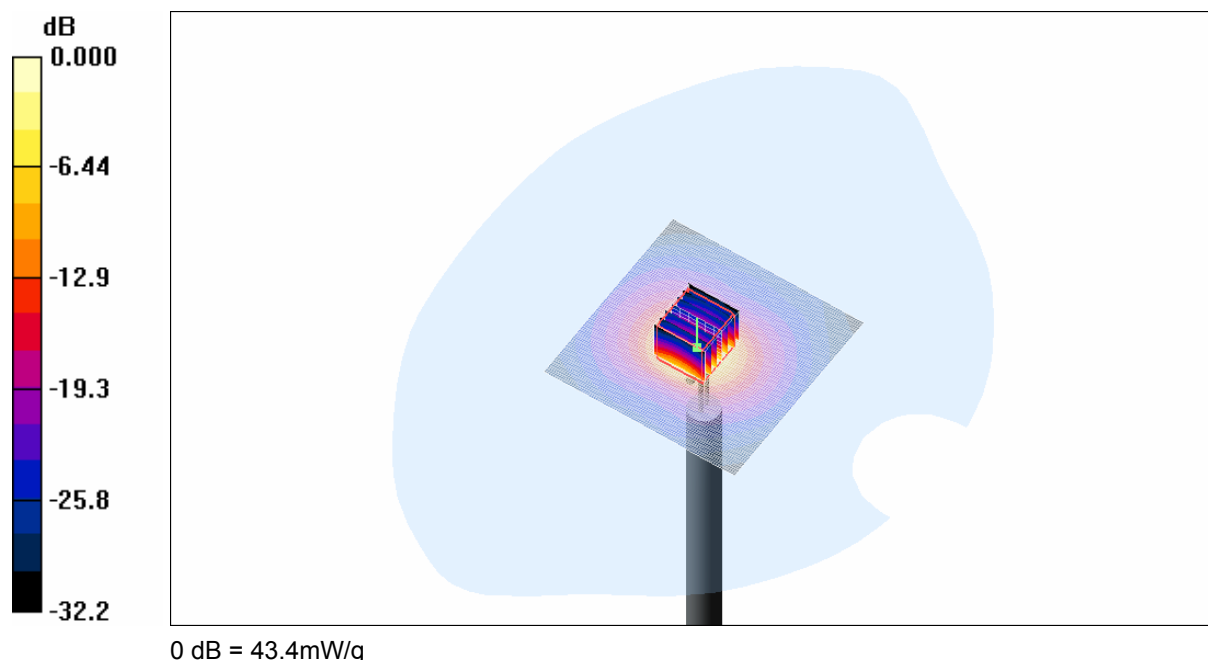
Channel 1 Test/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 97.6 V/m; Power Drift = 0.029 dB

Peak SAR (extrapolated) = 80.8 W/kg

SAR(1 g) = 20.9 mW/g; SAR(10 g) = 5.91 mW/g

Maximum value of SAR (measured) = 43.4 mW/g

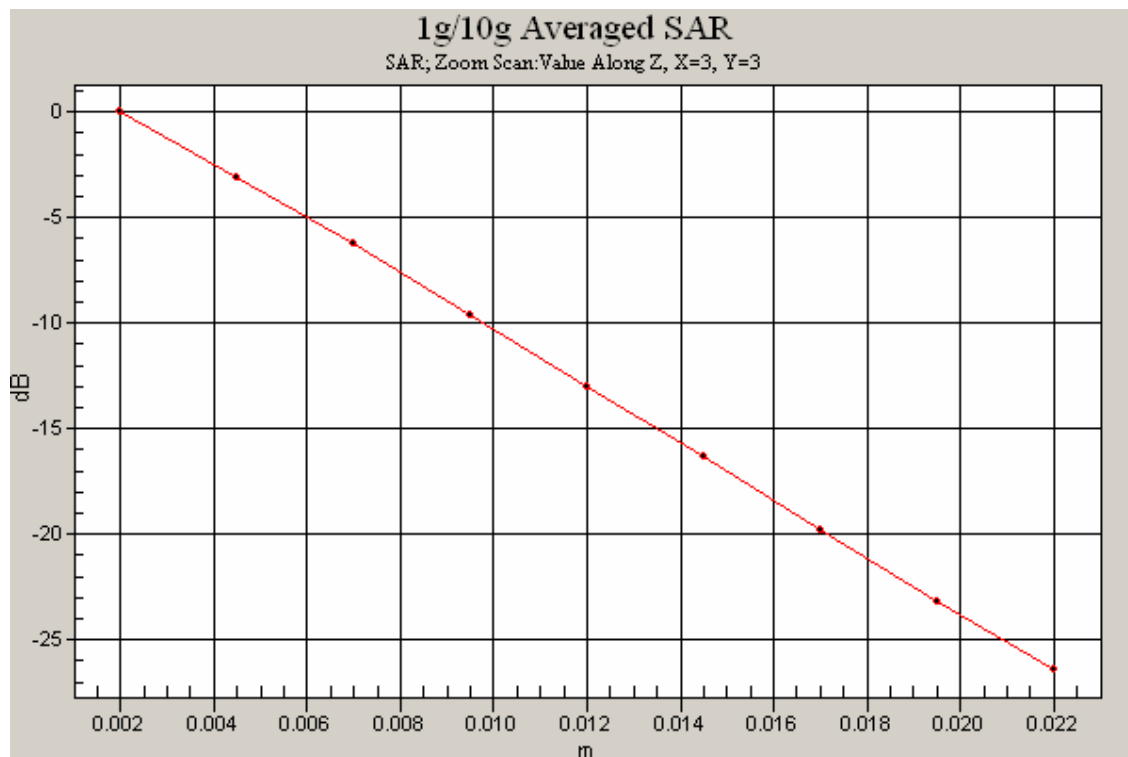


SAR MEASUREMENT PLOT 41

Ambient Temperature
Liquid Temperature
Humidity

20.5 Degrees Celsius
20.3 Degrees Celsius
43.0 %





Test Date: 19 August 2009

File Name: Validation 5500MHz (DAE 442 Probe EX3DV4) 19-08-09.da4

DUT: **Dipole 5200_5800 MHz; Type: D5GHzV2; Serial: 1008**

* Communication System: CW 5500 MHz; Frequency: 5500 MHz; Duty Cycle: 1:1

* Medium parameters used: $f = 5494.2$ MHz; $\sigma = 5.1$ mho/m; $\epsilon_r = 36.8$; $\rho = 1000$ kg/m³

- Electronics: DAE3 Sn442; Probe: EX3DV4 - SN3563; ConvF(3.76, 3.76, 3.76)

- Phantom: SAM 22; Serial: 1260; Phantom section: Flat Section

Channel 1 Test/Area Scan (91x91x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 46.0 mW/g

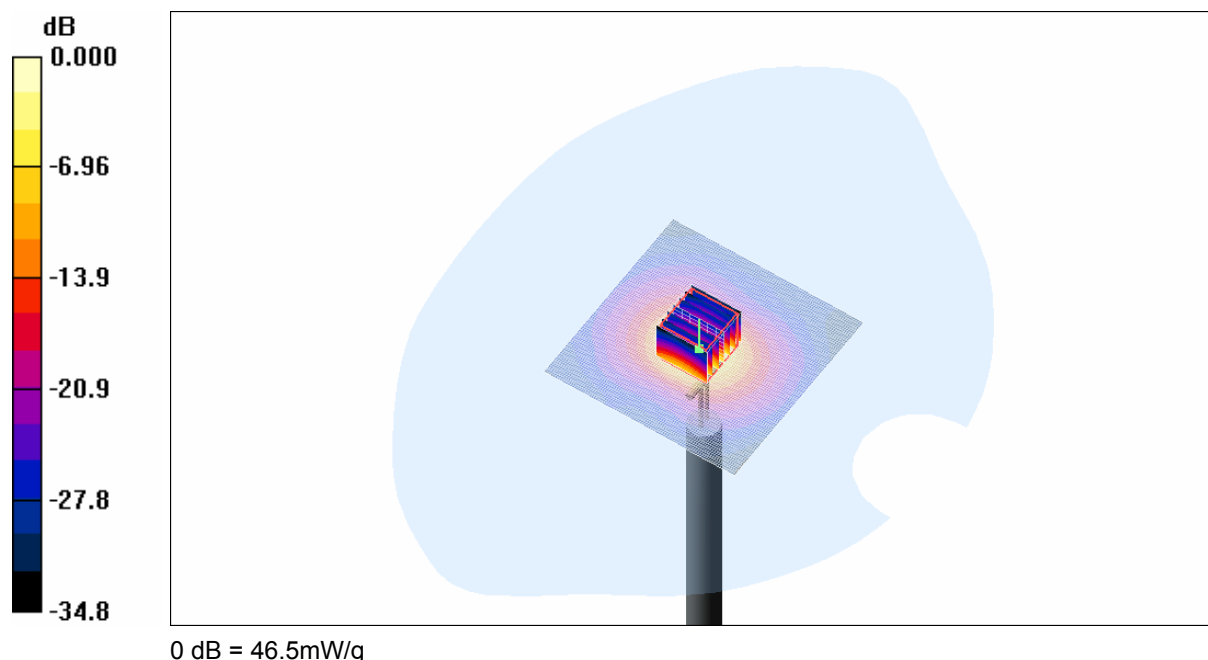
Channel 1 Test/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 95.8 V/m; Power Drift = 0.141 dB

Peak SAR (extrapolated) = 90.4 W/kg

SAR(1 g) = 21.9 mW/g; SAR(10 g) = 6.17 mW/g

Maximum value of SAR (measured) = 46.5 mW/g



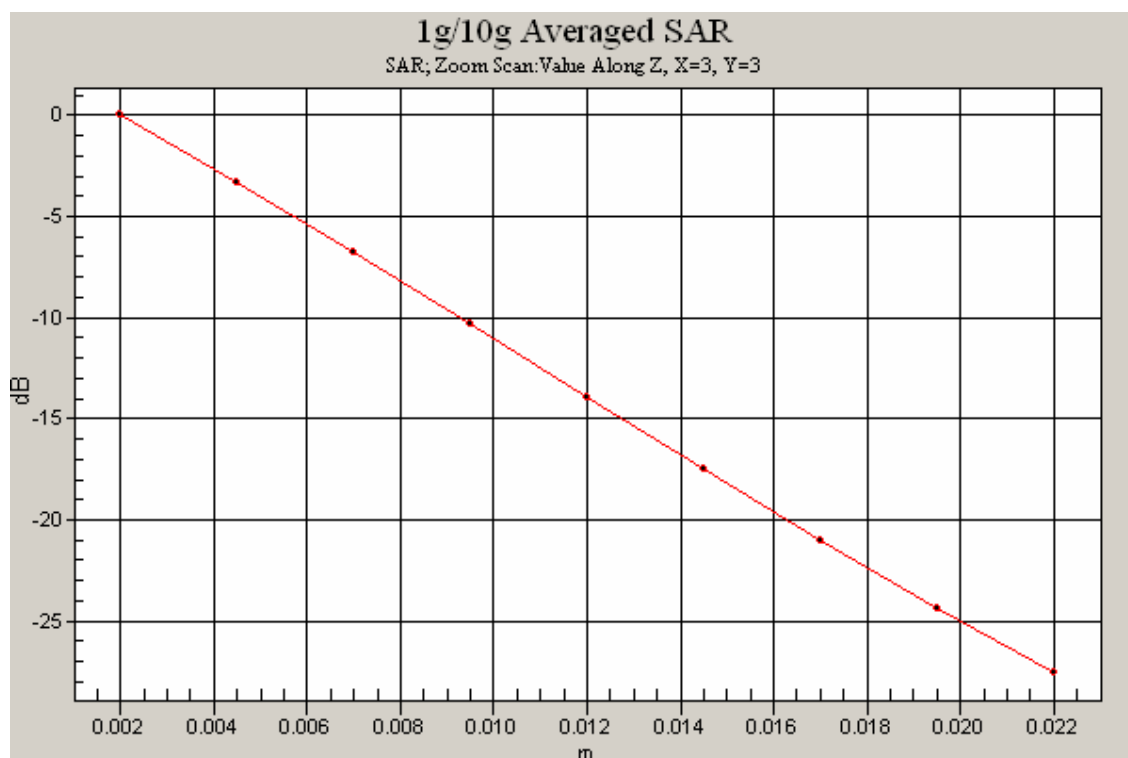
SAR MEASUREMENT PLOT 42

Ambient Temperature
Liquid Temperature
Humidity

20.3 Degrees Celsius
20.0 Degrees Celsius
42.0 %



This document must not be copied or reproduced, except in full without the written permission of the Manager, EMC Technologies Pty Ltd. The certificate on page 3 may be reproduced in full.
www.emctech.com.au



Test Date: 19 August 2009

File Name: Validation 5800MHz (DAE 442 Probe EX3DV4) 19-08-09.da4

DUT: Dipole 5200_5800 MHz; Type: D5GHzV2; Serial: 1008

* Communication System: CW 5800 MHz; Frequency: 5800 MHz; Duty Cycle: 1:1

* Medium parameters used: $f = 5800.8$ MHz; $\sigma = 5.32$ mho/m; $\epsilon_r = 35.4$; $\rho = 1000$ kg/m³

- Electronics: DAE3 Sn442; Probe: EX3DV4 - SN3563; ConvF(3.65, 3.65, 3.65)

- Phantom: SAM 22; Serial: 1260; Phantom section: Flat Section

Channel 1 Test/Area Scan (91x91x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 45.9 mW/g

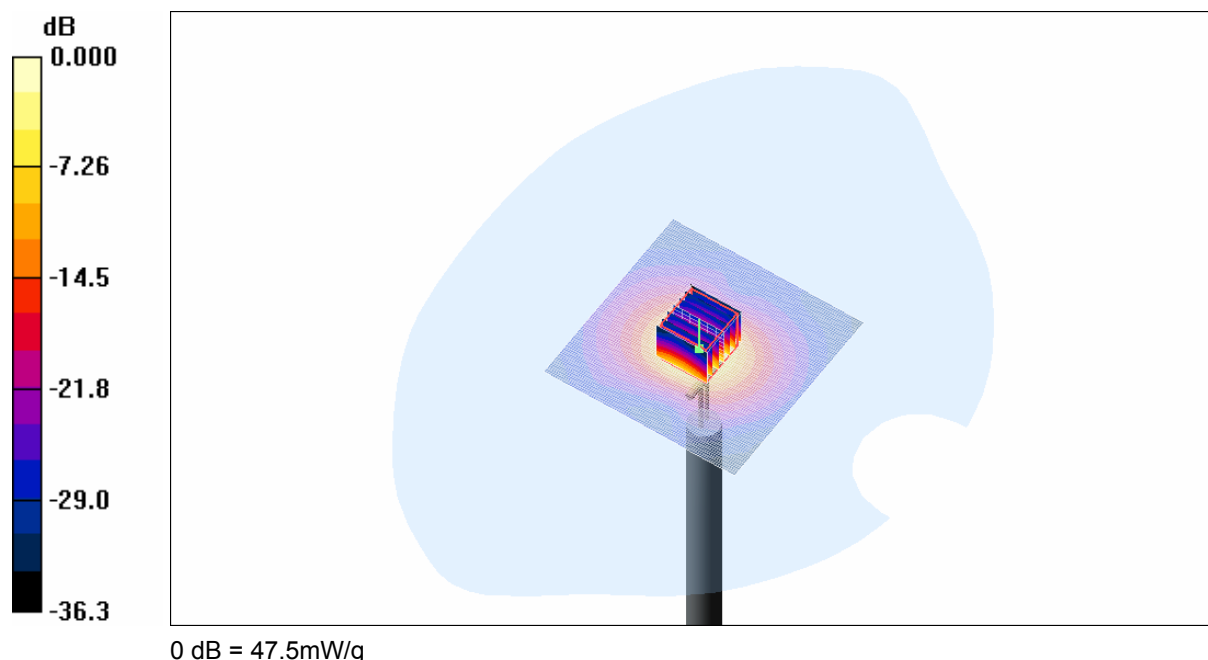
Channel 1 Test/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 96.7 V/m; Power Drift = 0.190 dB

Peak SAR (extrapolated) = 91.7 W/kg

SAR(1 g) = 22 mW/g; SAR(10 g) = 6.21 mW/g

Maximum value of SAR (measured) = 47.5 mW/g



SAR MEASUREMENT PLOT 43

Ambient Temperature
Liquid Temperature
Humidity

20.3 Degrees Celsius
20.0 Degrees Celsius
42.0 %



