

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: 850MHz GPRS Band SAR Measurement Plot Numbers

Test Position	GPRSClass	Plot No.	Test Channel
Tablet Ant. OUT	10	1	190
	11	2	190
	12	3	190
Tablet Ant. IN	10	-	190
Z-Axis graphs for Plots 1 to 3			
Tablet Ant. MID	10	4	128
		5	190
		6	251
Z-Axis graphs for Plots 4 to 6			

Table: 1900MHz GPRS Band SAR Measurement Plot Numbers

Test Position	GPRSClass	Plot No.	Test Channel
Tablet Ant. OUT	10	7	661
	11	8	661
	12	9	512
		10	661
		11	810
Z-Axis graphs for Plots 7 to 10			
Tablet Ant. IN	12	-	661
Tablet Ant. MID	12	12	661
Z-Axis graphs for Plots 11 to 12			

Table: 850MHz UMTS Band SAR Measurement Plot Numbers

Test Position	Plot No.	Test Channel
Tablet Ant. IN	-	4183
Tablet Ant. OUT	13	4183
Tablet Ant. MID	14	4132
	15	4183
	16	4233
Z-Axis graphs for Plots 13 to 16		



Table: 1900MHz UMTS Band SAR Measurement Plot Numbers

Test Position	Plot No.	Test Channel
Tablet Ant. IN	-	9400
Tablet Ant. MID	17	9400
Tablet Ant. OUT	18	9262
	19	9400
	20	9538
Z-Axis graphs for Plots 17 to 20		

Table: Validation Plots

Plot 21	Validation 900 MHz 16 th August 2008
Plot 22	Validation 1800 MHz 15 th August 2008
Z-Axis graphs for Plots 21 to 22	



Test Date: 16 August 2008

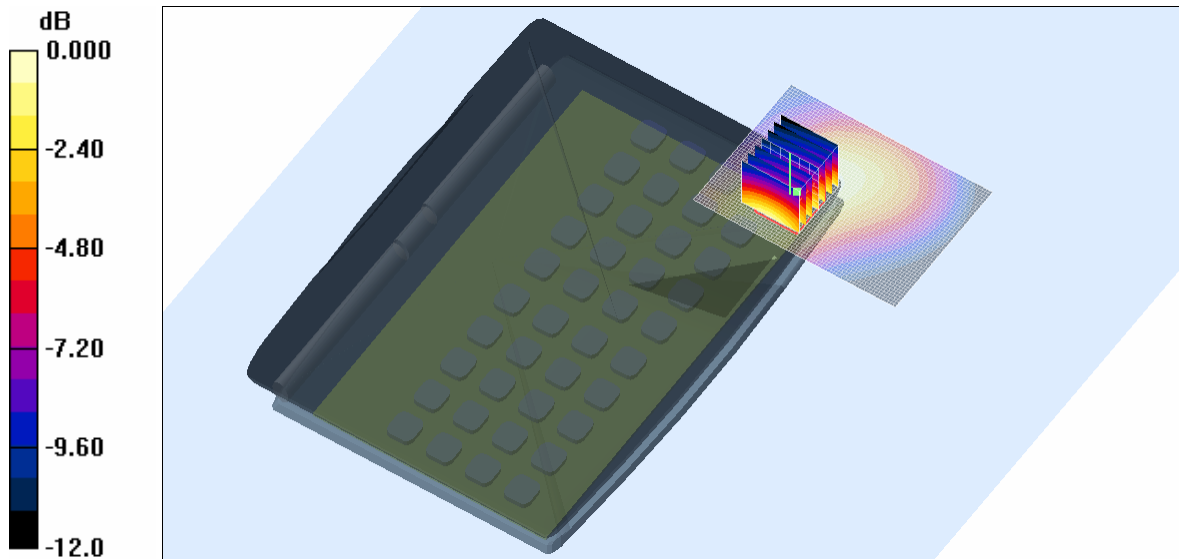
File Name: Tablet 850 MHz GPRS Class 10 Antenna Out 16-08-08.da4

DUT: Fujitsu Tablet Hibiki with Sierra GSM/UMTS Module; Type: MC8781; Serial: IMEI: 354220010021398

- * Communication System: 850MHz 1900 MHz GPRS Class 10; Frequency: 836.6 MHz; Duty Cycle: 1:4.15
- * Medium parameters used: $f = 836 \text{ MHz}$; $\sigma = 1 \text{ mho/m}$; $\epsilon_r = 54.2$; $\rho = 1000 \text{ kg/m}^3$
- Electronics: DAE3 Sn442; Probe: ET3DV6 - SN1380; ConvF(6.03, 6.03, 6.03)
- Phantom: Flat Phantom 9.1; Serial: P 9.1; Phantom section: Flat 2.2 Section

Channel 190 Test/Area Scan (71x51x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$
 Maximum value of SAR (interpolated) = 0.411 mW/g

Channel 190 Test/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$,
 $dz=5\text{mm}$
 Reference Value = 14.1 V/m; Power Drift = -0.131 dB
 Peak SAR (extrapolated) = 0.574 W/kg
SAR(1 g) = 0.370 mW/g; SAR(10 g) = 0.235 mW/g
 Maximum value of SAR (measured) = 0.404 mW/g



SAR MEASUREMENT PLOT 1

Ambient Temperature
Liquid Temperature
Humidity

20.8 Degrees Celsius
20.6 Degrees Celsius
46.0 %



Test Date: 16 August 2008

File Name: Tablet 850 MHz GPRS Class 11 Antenna Out 16-08-08.da4

DUT: Fujitsu Tablet Hibiki with Sierra GSM/UMTS Module; Type: MC8781; Serial: IMEI: 354220010021398

* Communication System: 850MHz 1900 MHz GPRS Class 11; Frequency: 836.6 MHz; Duty Cycle: 1:3.1125

* Medium parameters used: $f = 836 \text{ MHz}$; $\sigma = 1 \text{ mho/m}$; $\epsilon_r = 54.2$; $\rho = 1000 \text{ kg/m}^3$

- Electronics: DAE3 Sn442; Probe: ET3DV6 - SN1380; ConvF(6.03, 6.03, 6.03)

- Phantom: Flat Phantom 9.1; Serial: P 9.1; Phantom section: Flat 2.2 Section

Channel 190 Test/Area Scan (71x51x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$
 Maximum value of SAR (interpolated) = 0.325 mW/g

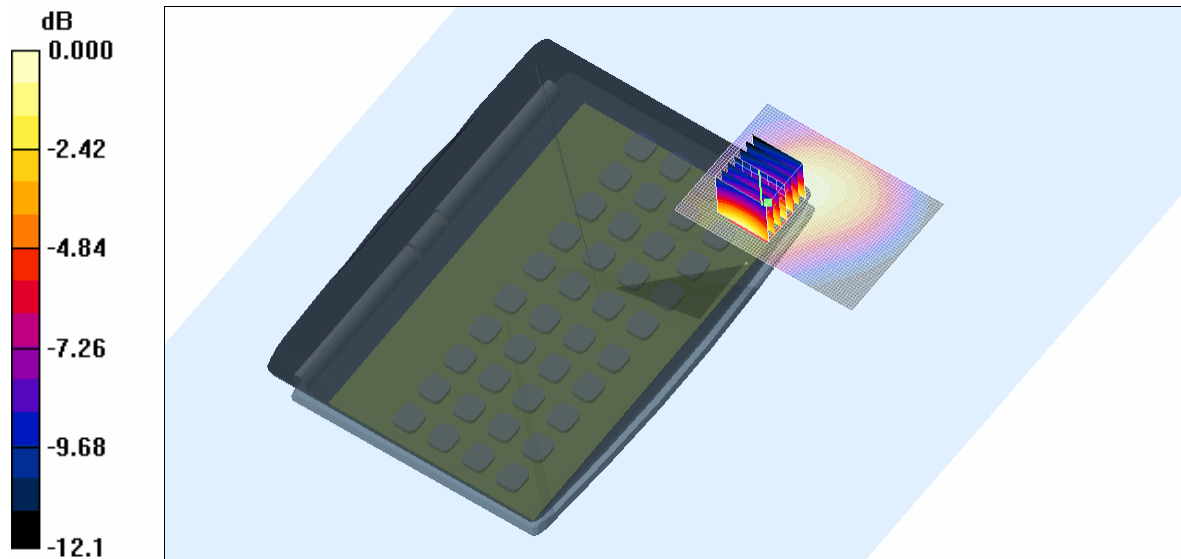
Channel 190 Test/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$,
 $dz=5\text{mm}$

Reference Value = 12.3 V/m; Power Drift = 0.010 dB

Peak SAR (extrapolated) = 0.452 W/kg

SAR(1 g) = 0.291 mW/g; SAR(10 g) = 0.185 mW/g

Maximum value of SAR (measured) = 0.318 mW/g



0 dB = 0.318mW/g

SAR MEASUREMENT PLOT 2

Ambient Temperature
Liquid Temperature
Humidity

20.8 Degrees Celsius
20.6 Degrees Celsius
46.0 %



Test Date: 16 August 2008

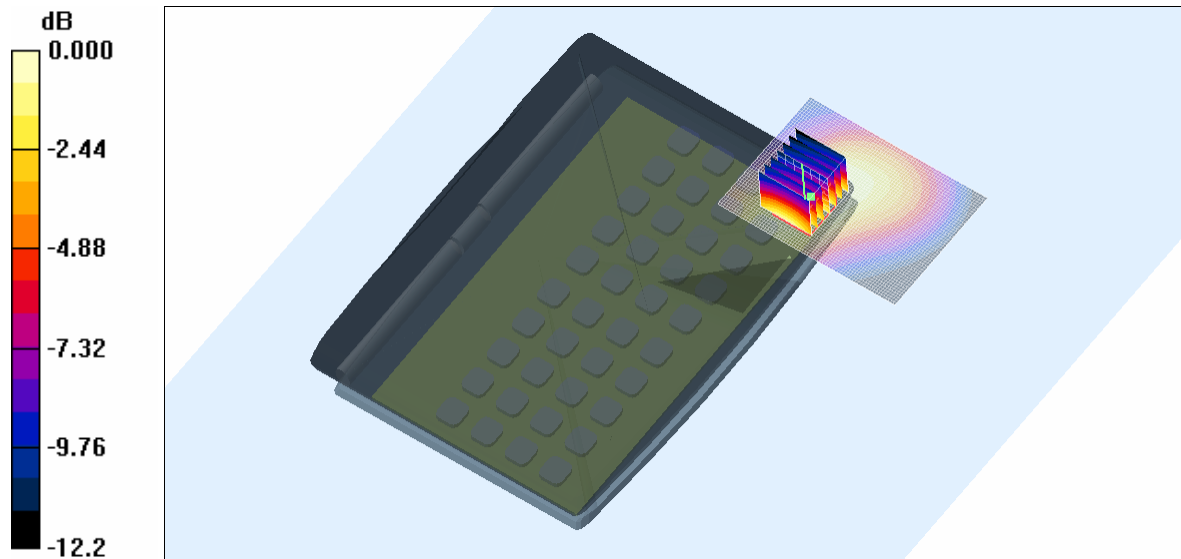
File Name: Tablet 850 MHz GPRS Class 12 Antenna Out 16-08-08.da4

DUT: Fujitsu Tablet Hibiki with Sierra GSM/UMTS Module; Type: MC8781; Serial: IMEI: 354220010021398

- * Communication System: 850MHz 1900 MHz GPRS Class 12; Frequency: 836.6 MHz; Duty Cycle: 1:2.075
- * Medium parameters used: $f = 836 \text{ MHz}$; $\sigma = 1 \text{ mho/m}$; $\epsilon_r = 54.2$; $\rho = 1000 \text{ kg/m}^3$
- Electronics: DAE3 Sn442; Probe: ET3DV6 - SN1380; ConvF(6.03, 6.03, 6.03)
- Phantom: Flat Phantom 9.1; Serial: P 9.1; Phantom section: Flat 2.2 Section

Channel 190 Test/Area Scan (71x51x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$
 Maximum value of SAR (interpolated) = 0.222 mW/g

Channel 190 Test/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$,
 $dz=5\text{mm}$
 Reference Value = 10.2 V/m; Power Drift = -0.068 dB
 Peak SAR (extrapolated) = 0.297 W/kg
SAR(1 g) = 0.198 mW/g; SAR(10 g) = 0.126 mW/g
 Maximum value of SAR (measured) = 0.218 mW/g



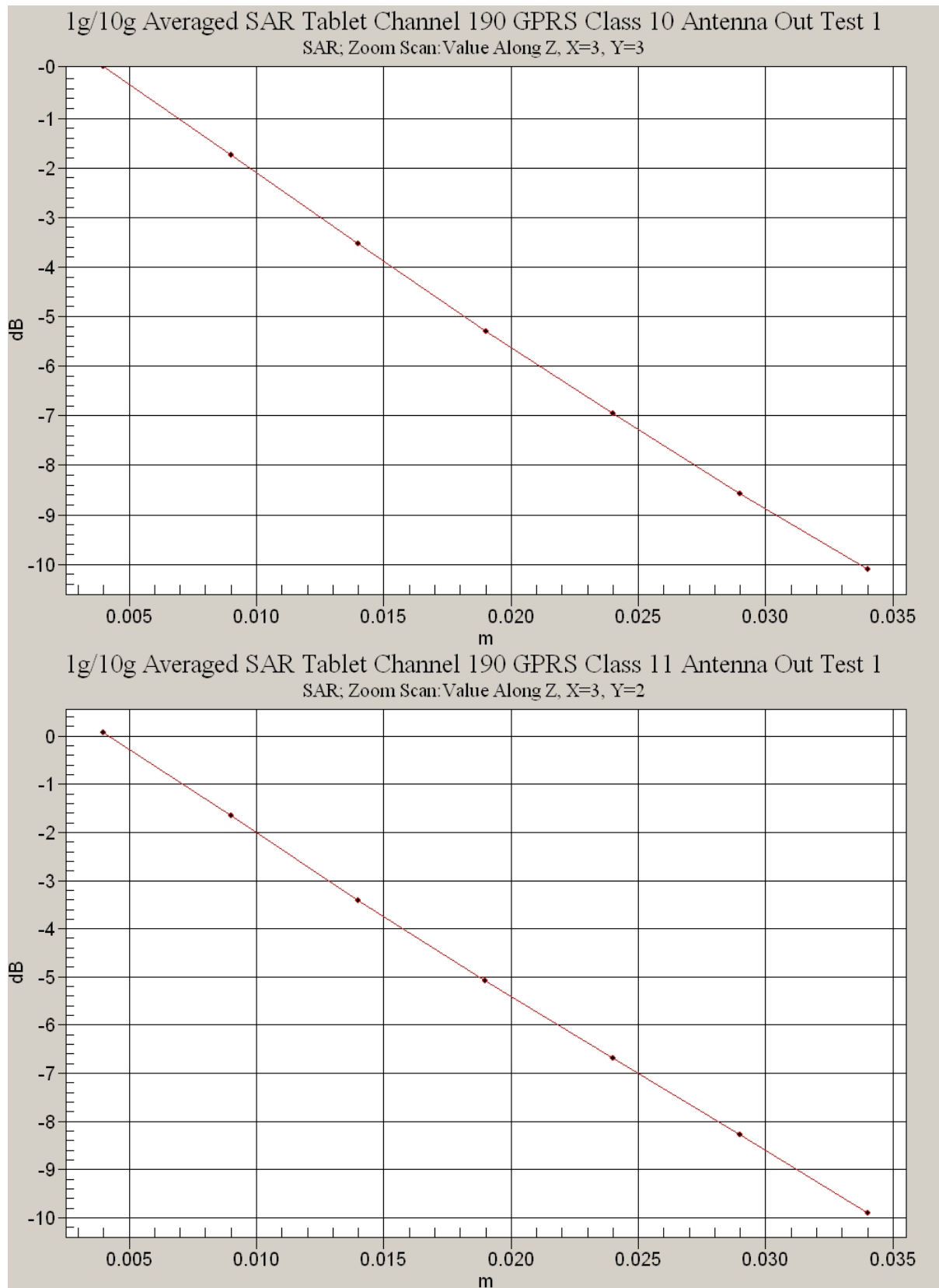
0 dB = 0.218mW/g

SAR MEASUREMENT PLOT 3

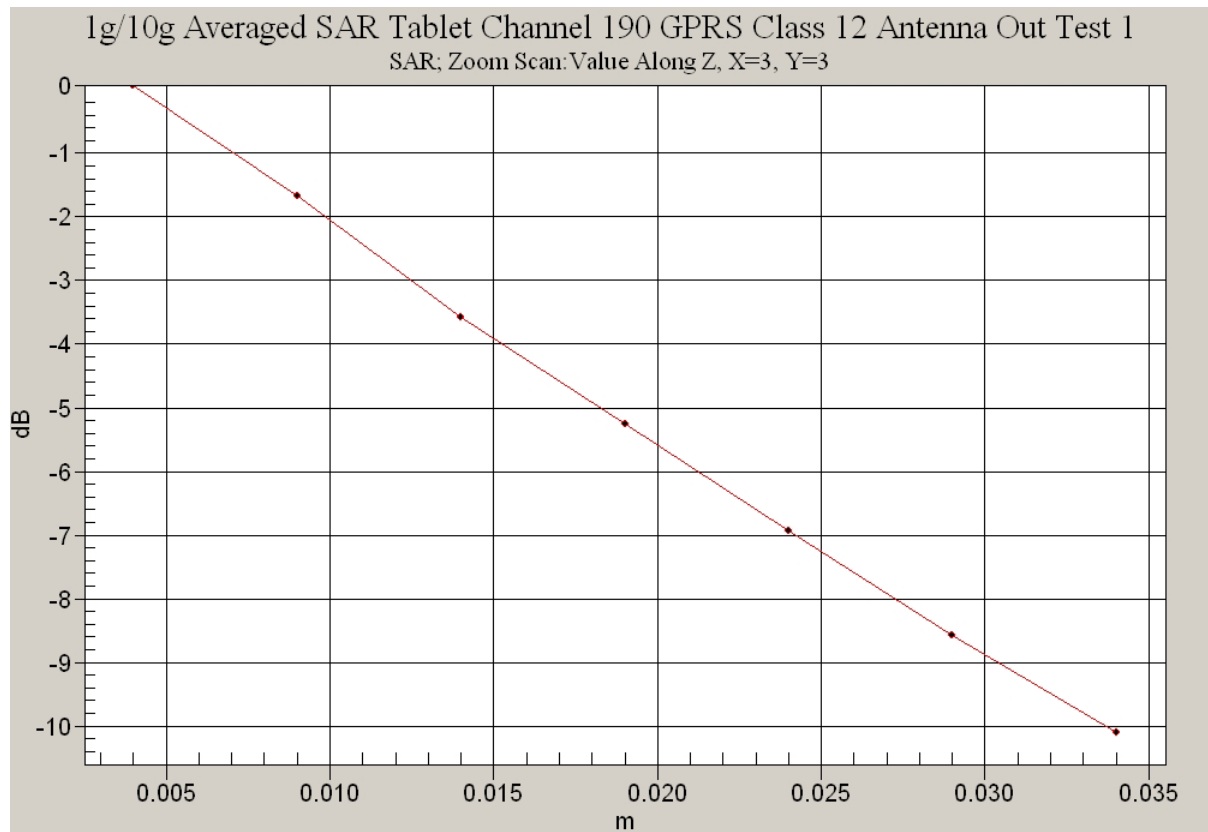
Ambient Temperature
Liquid Temperature
Humidity

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



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: 16 August 2008

File Name: Tablet 850 MHz GPRS Class 10 Antenna Mid 16-08-08.da4

DUT: Fujitsu Tablet Hibiki with Sierra GSM/UMTS Module; Type: MC8781; Serial: IMEI: 354220010021398

* Communication System: 850MHz 1900 MHz GPRS Class 10; Frequency: 824.2 MHz; Duty Cycle: 1:4.15

* Medium parameters used: f = 824 MHz; $\sigma = 0.989$ mho/m; $\epsilon_r = 54.3$; $\rho = 1000$ kg/m³

- Electronics: DAE3 Sn442; Probe: ET3DV6 - SN1380; ConvF(6.03, 6.03, 6.03)

- Phantom: Flat Phantom 9.1; Serial: P 9.1; Phantom section: Flat 2.2 Section

Channel 128 Test/Area Scan (51x101x1): Measurement grid: dx=15mm, dy=15mm
 Maximum value of SAR (interpolated) = 0.439 mW/g

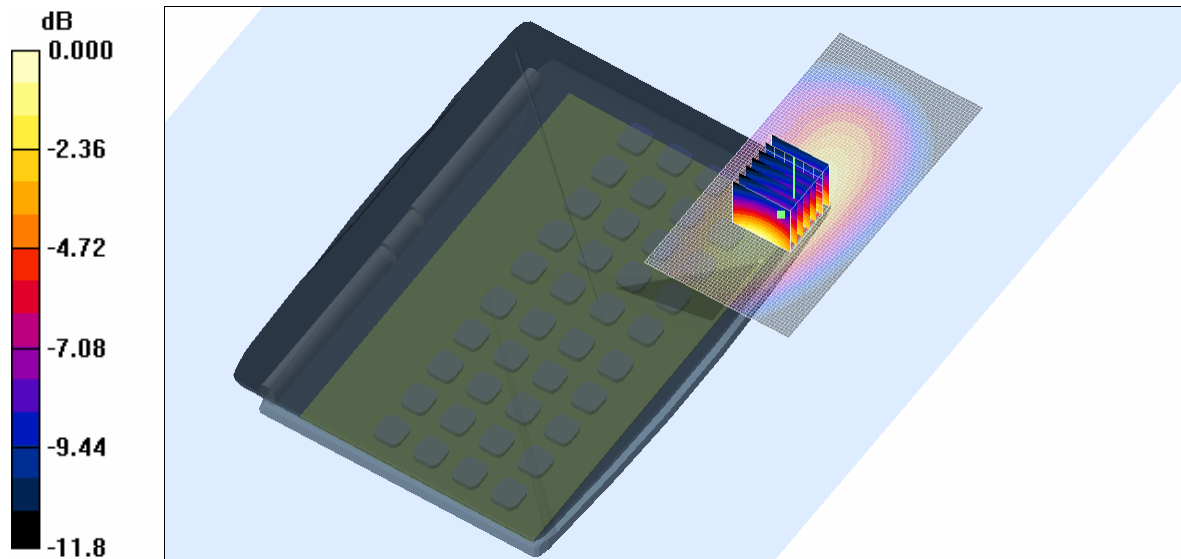
Channel 128 Test/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 14.4 V/m; Power Drift = -0.026 dB

Peak SAR (extrapolated) = 0.747 W/kg

SAR(1 g) = 0.393 mW/g; SAR(10 g) = 0.238 mW/g

Maximum value of SAR (measured) = 0.424 mW/g



SAR MEASUREMENT PLOT 4

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: 16 August 2008

File Name: Tablet 850 MHz GPRS Class 10 Antenna Mid 16-08-08.da4

DUT: Fujitsu Tablet Hibiki with Sierra GSM/UMTS Module; Type: MC8781; Serial: IMEI: 354220010021398

* Communication System: 850MHz 1900 MHz GPRS Class 10; Frequency: 836.6 MHz; Duty Cycle: 1:4.15

* Medium parameters used: f = 836 MHz; $\sigma = 1$ mho/m; $\epsilon_r = 54.2$; $\rho = 1000$ kg/m³

- Electronics: DAE3 Sn442; Probe: ET3DV6 - SN1380; ConvF(6.03, 6.03, 6.03)

- Phantom: Flat Phantom 9.1; Serial: P 9.1; Phantom section: Flat 2.2 Section

Channel 190 Test/Area Scan (51x101x1): Measurement grid: dx=15mm, dy=15mm
 Maximum value of SAR (interpolated) = 0.418 mW/g

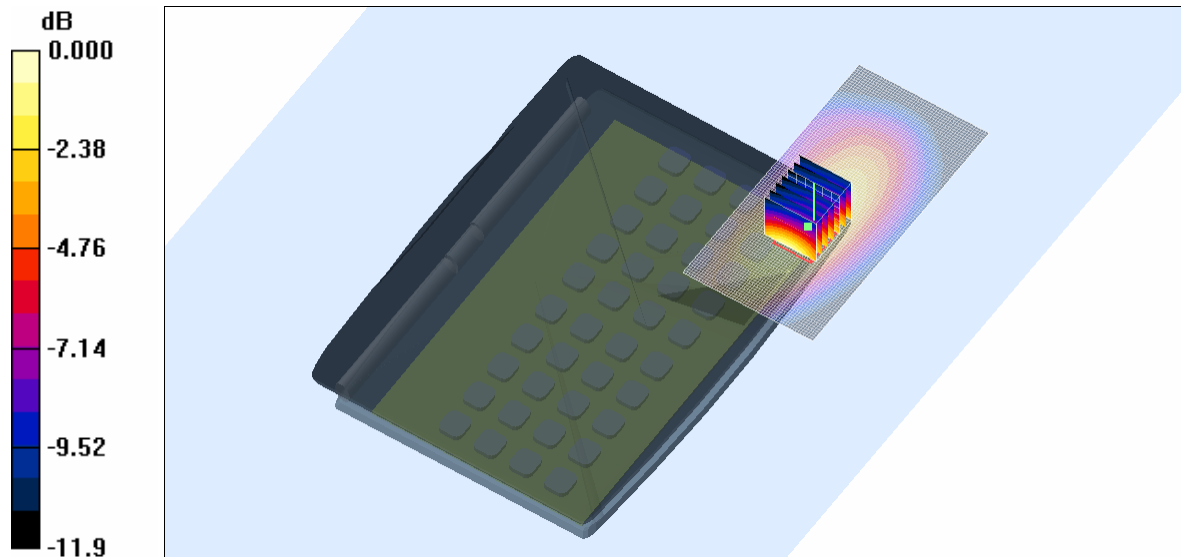
Channel 190 Test/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 14.1 V/m; Power Drift = -0.307 dB

Peak SAR (extrapolated) = 0.718 W/kg

SAR(1 g) = 0.380 mW/g; SAR(10 g) = 0.230 mW/g

Maximum value of SAR (measured) = 0.411 mW/g



SAR MEASUREMENT PLOT 5

Ambient Temperature
Liquid Temperature
Humidity

20.8 Degrees Celsius
20.6 Degrees Celsius
46.0 %



Test Date: 16 August 2008

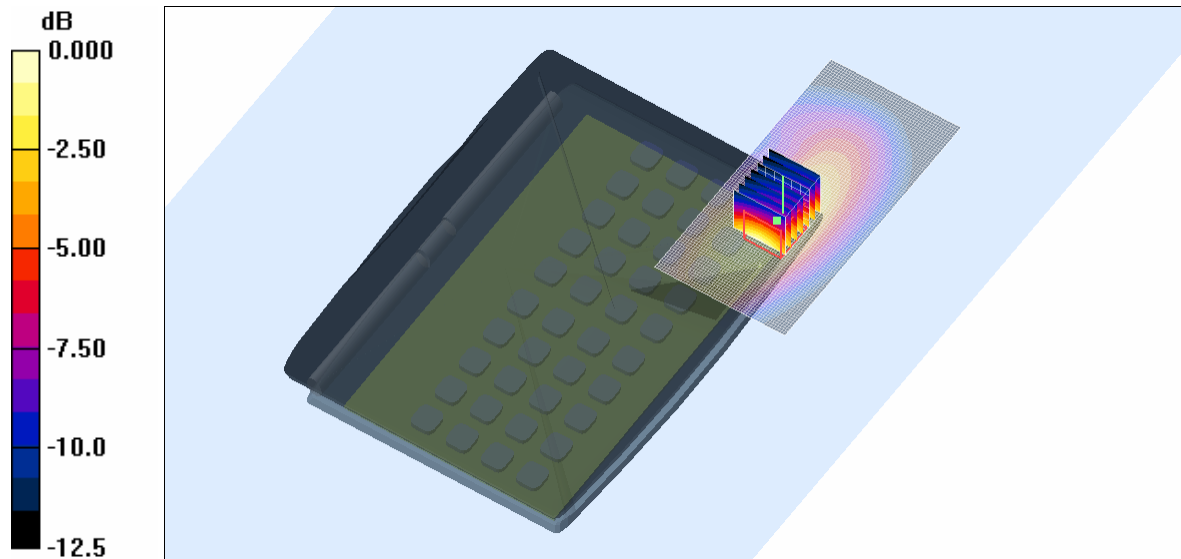
File Name: Tablet 850 MHz GPRS Class 10 Antenna Mid 16-08-08.da4

DUT: Fujitsu Tablet Hibiki with Sierra GSM/UMTS Module; Type: MC8781; Serial: IMEI: 354220010021398

- * Communication System: 850MHz 1900 MHz GPRS Class 10; Frequency: 848.8 MHz; Duty Cycle: 1:4.15
- * Medium parameters used: $f = 848 \text{ MHz}$; $\sigma = 1.01 \text{ mho/m}$; $\epsilon_r = 54$; $\rho = 1000 \text{ kg/m}^3$
- Electronics: DAE3 Sn442; Probe: ET3DV6 - SN1380; ConvF(6.03, 6.03, 6.03)
- Phantom: Flat Phantom 9.1; Serial: P 9.1; Phantom section: Flat 2.2 Section

Channel 251 Test/Area Scan (51x101x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$
 Maximum value of SAR (interpolated) = 0.492 mW/g

Channel 251 Test/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$,
 $dz=5\text{mm}$
 Reference Value = 13.3 V/m; Power Drift = -0.062 dB
 Peak SAR (extrapolated) = 0.837 W/kg
SAR(1 g) = 0.426 mW/g; SAR(10 g) = 0.259 mW/g
 Maximum value of SAR (measured) = 0.467 mW/g



0 dB = 0.467mW/g

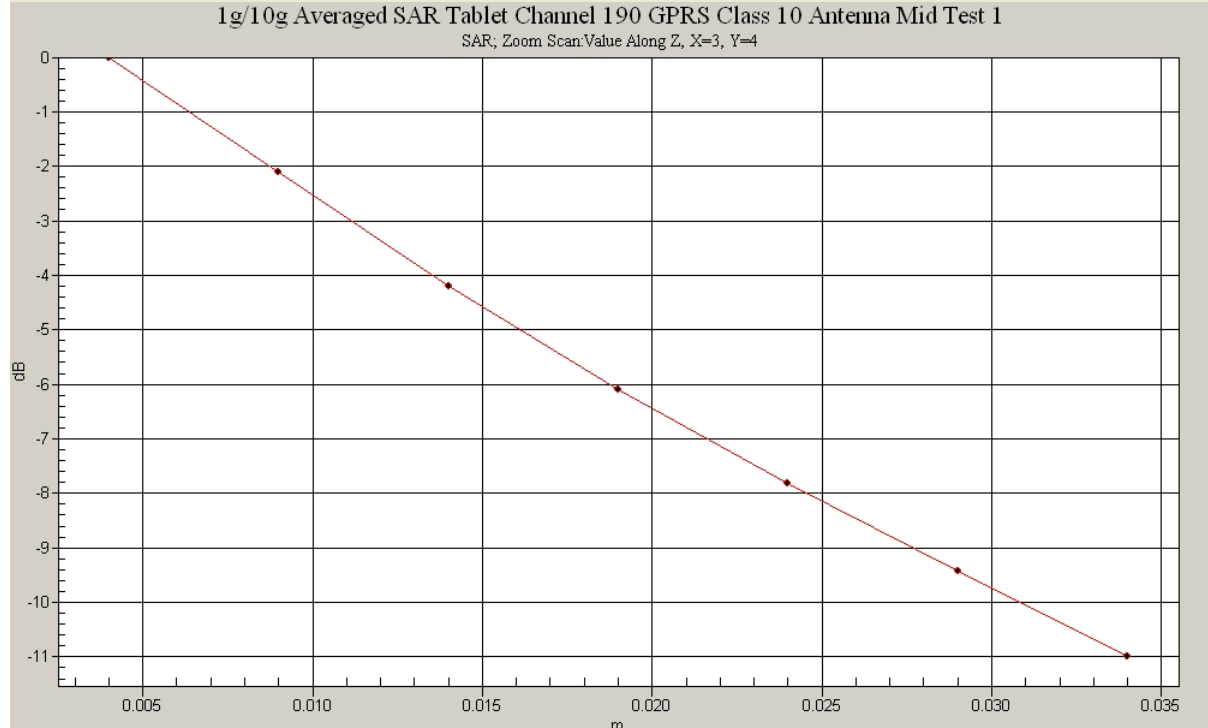
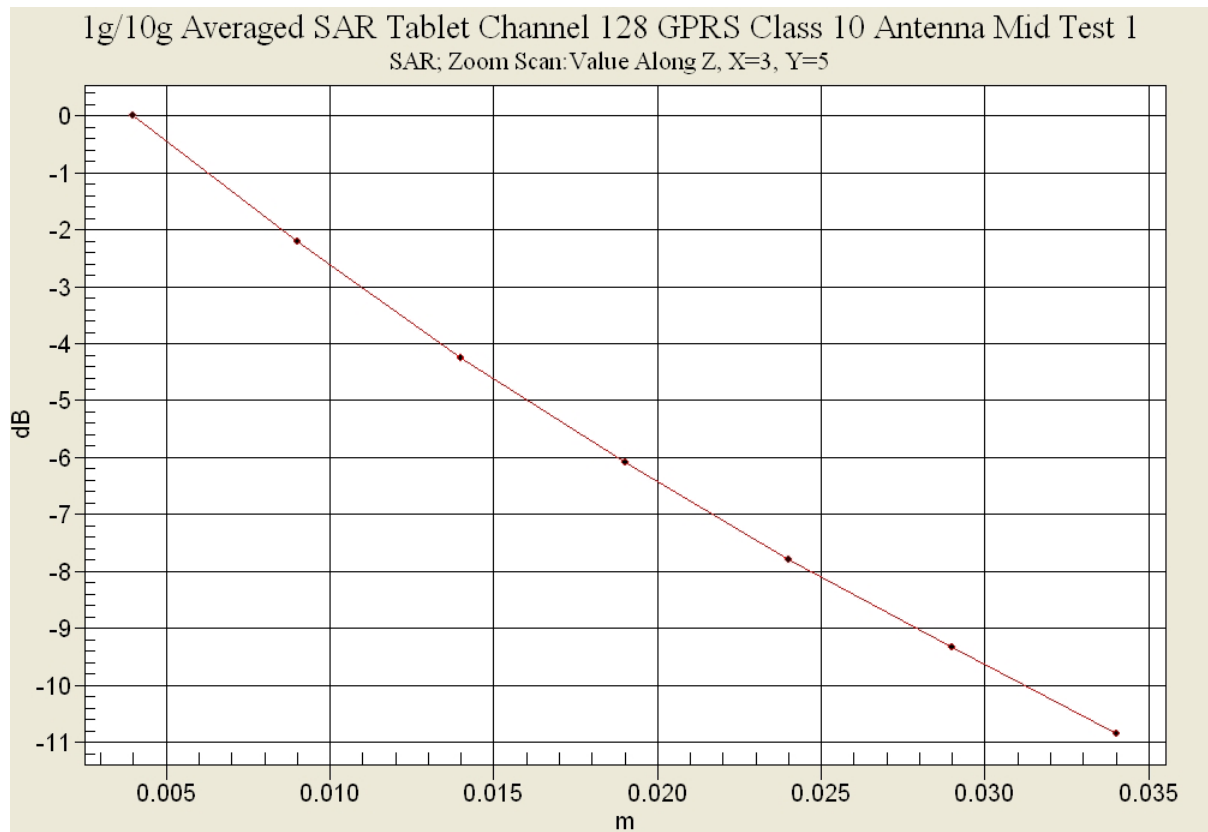
SAR MEASUREMENT PLOT 6

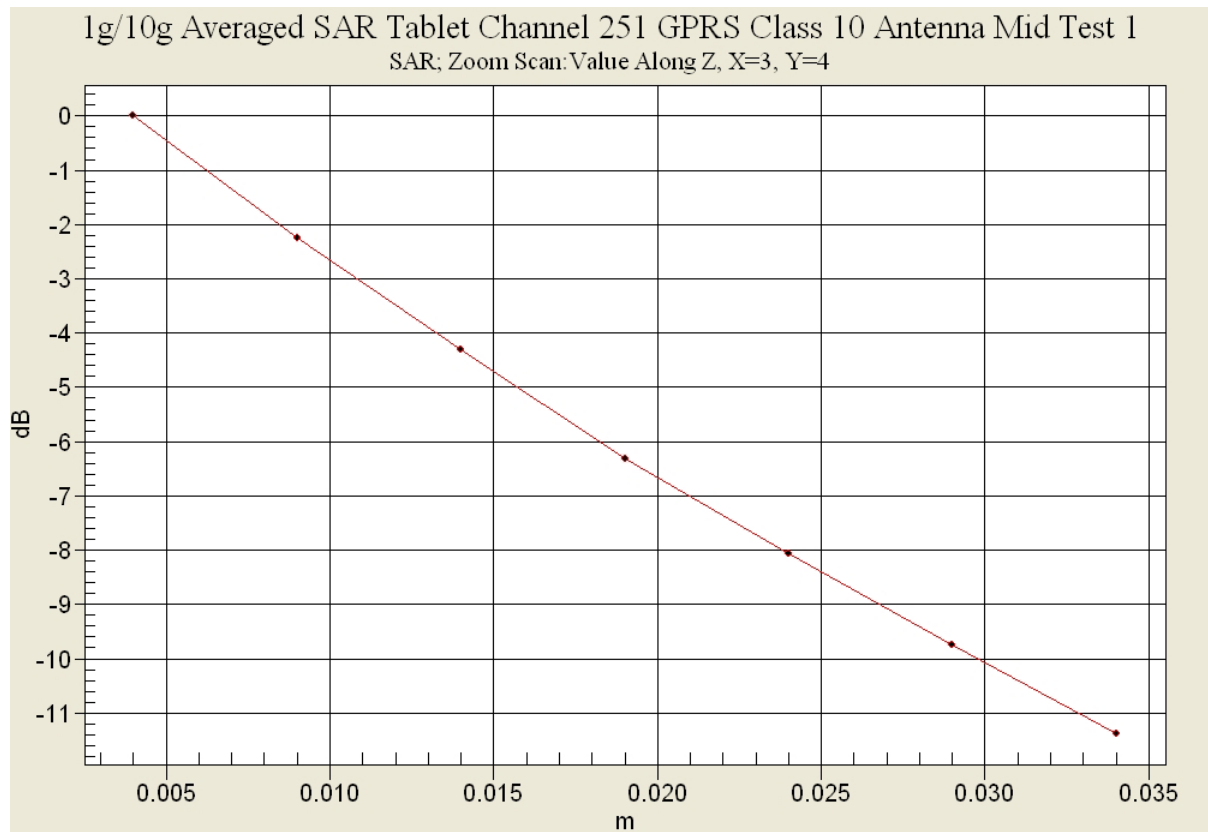
Ambient Temperature
Liquid Temperature
Humidity

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





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: 15 August 2008

File Name: Tablet 1900 MHz GPRS Class 10 Antenna Out 15-08-08.da4

DUT: Fujitsu Tablet Hibiki with Sierra GSM/UMTS Module; Type: MC8781; Serial: IMEI: 354220010021398

* Communication System: 850MHz 1900 MHz GPRS Class 10; Frequency: 1880 MHz; Duty Cycle: 1:4.15

* Medium parameters used: $f = 1880$ MHz; $\sigma = 1.49$ mho/m; $\epsilon_r = 51$; $\rho = 1000$ kg/m³

- Electronics: DAE3 Sn442; Probe: ET3DV6 - SN1380; ConvF(4.79, 4.79, 4.79)

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

Channel 661 Test/Area Scan (71x51x1): Measurement grid: dx=15mm, dy=15mm
 Maximum value of SAR (interpolated) = 0.468 mW/g

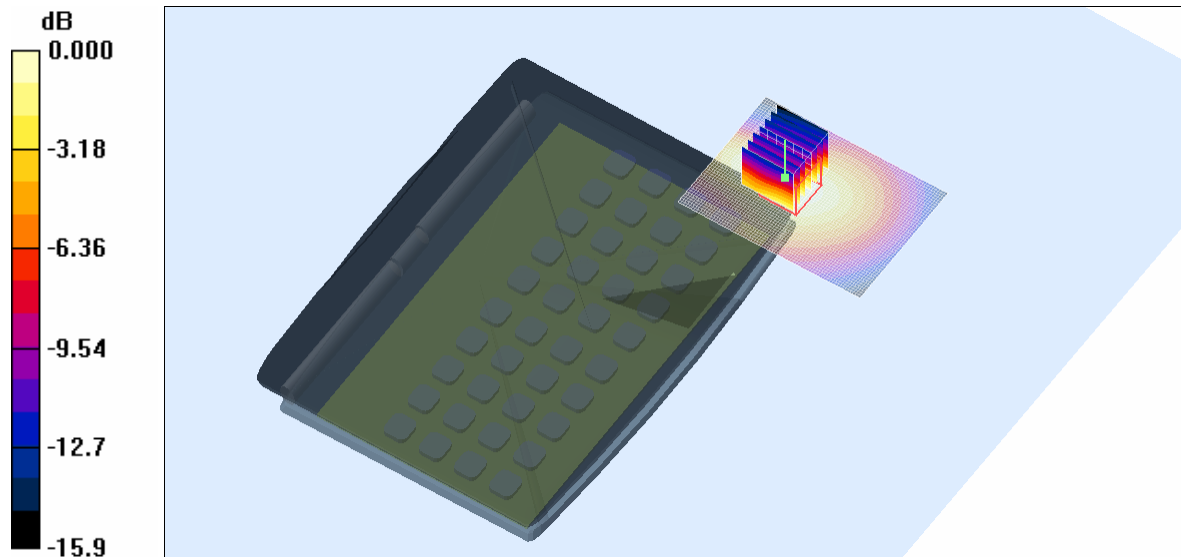
Channel 661 Test/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 15.8 V/m; Power Drift = -0.096 dB

Peak SAR (extrapolated) = 0.743 W/kg

SAR(1 g) = 0.422 mW/g; SAR(10 g) = 0.249 mW/g

Maximum value of SAR (measured) = 0.455 mW/g



0 dB = 0.455mW/g

SAR MEASUREMENT PLOT 7

Ambient Temperature
Liquid Temperature
Humidity

21.0 Degrees Celsius
19.8 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: 15 August 2008

File Name: Tablet 1900 MHz GPRS Class 11 Antenna Out 15-08-08.da4

DUT: Fujitsu Tablet Hibiki with Sierra GSM/UMTS Module; Type: MC8781; Serial: IMEI: 354220010021398

* Communication System: 850MHz 1900 MHz GPRS Class 11; Frequency: 1880 MHz; Duty Cycle: 1:3.1125

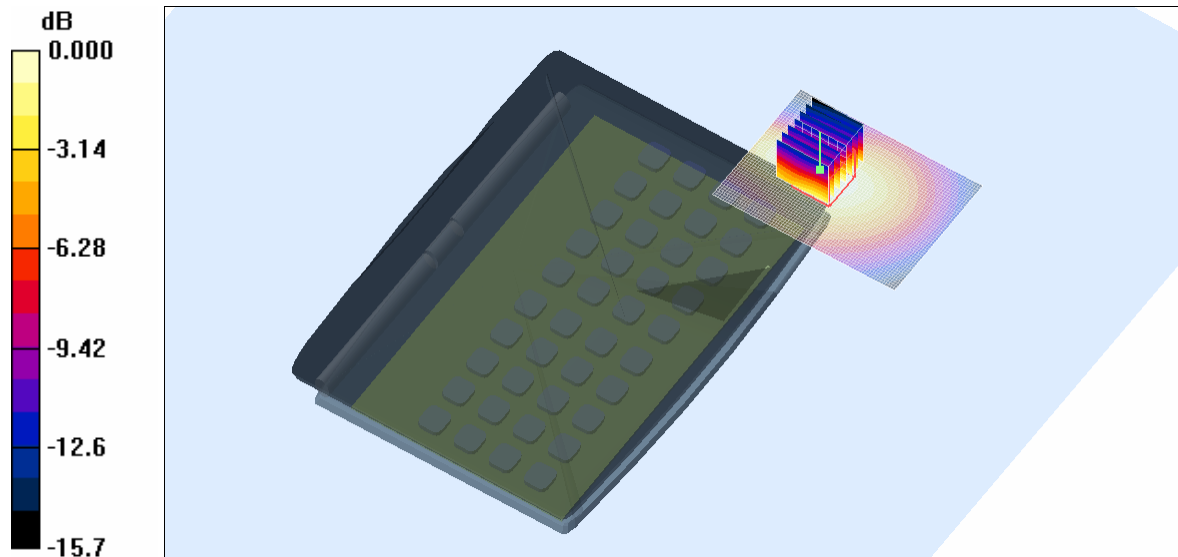
* Medium parameters used: $f = 1880$ MHz; $\sigma = 1.49$ mho/m; $\epsilon_r = 51$; $\rho = 1000$ kg/m³

- Electronics: DAE3 Sn442; Probe: ET3DV6 - SN1380; ConvF(4.79, 4.79, 4.79)

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

Channel 661 Test/Area Scan (71x51x1): Measurement grid: dx=15mm, dy=15mm
 Maximum value of SAR (interpolated) = 0.690 mW/g

Channel 661 Test/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
 Reference Value = 19.0 V/m; Power Drift = -0.030 dB
 Peak SAR (extrapolated) = 1.10 W/kg
SAR(1 g) = 0.617 mW/g; SAR(10 g) = 0.364 mW/g
 Maximum value of SAR (measured) = 0.668 mW/g



SAR MEASUREMENT PLOT 8

Ambient Temperature
Liquid Temperature
Humidity

21.0 Degrees Celsius
19.8 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: 15 August 2008

File Name: Tablet 1900 MHz GPRS Class 12 Antenna Out 15-08-08.da4

DUT: Fujitsu Tablet Hibiki with Sierra GSM/UMTS Module; Type: MC8781; Serial: IMEI: 354220010021398

* Communication System: 850MHz 1900 MHz GPRS Class 12; Frequency: 1850.2 MHz; Duty Cycle: 1:2.075

* Medium parameters used: $f = 1852$ MHz; $\sigma = 1.47$ mho/m; $\epsilon_r = 51.1$; $\rho = 1000$ kg/m³

- Electronics: DAE3 Sn442; Probe: ET3DV6 - SN1380; ConvF(4.79, 4.79, 4.79)

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

Channel 512 Test/Area Scan (71x51x1): Measurement grid: dx=15mm, dy=15mm
 Maximum value of SAR (interpolated) = 0.791 mW/g

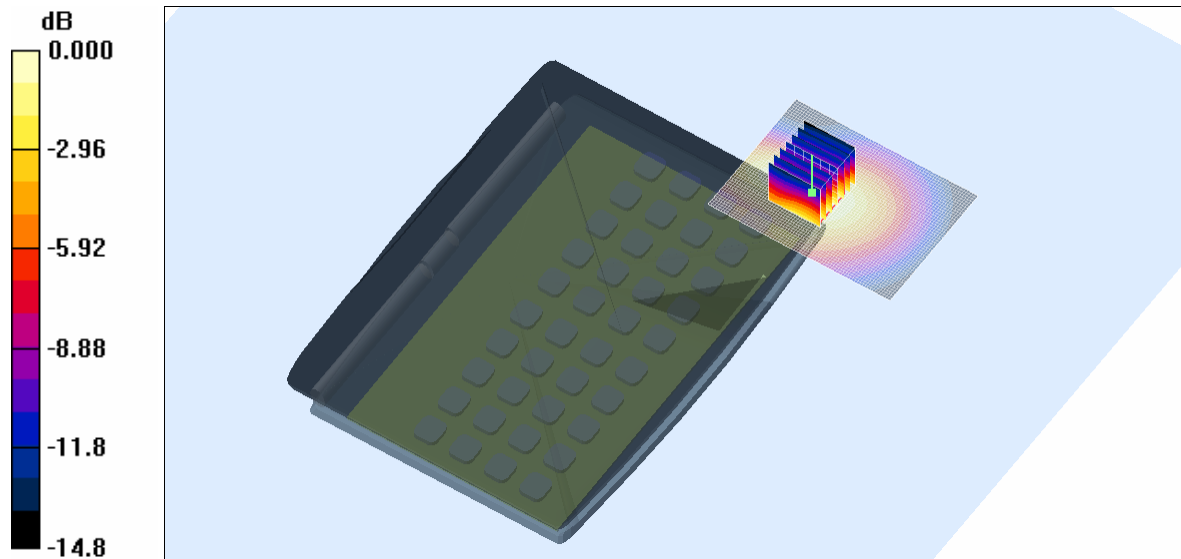
Channel 512 Test/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 20.3 V/m; Power Drift = -0.019 dB

Peak SAR (extrapolated) = 1.29 W/kg

SAR(1 g) = 0.739 mW/g; SAR(10 g) = 0.435 mW/g

Maximum value of SAR (measured) = 0.808 mW/g



0 dB = 0.808mW/g

SAR MEASUREMENT PLOT 9

Ambient Temperature
Liquid Temperature
Humidity

21.0 Degrees Celsius
19.8 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: 15 August 2008

File Name: Tablet 1900 MHz GPRS Class 12 Antenna Out 15-08-08.da4

DUT: Fujitsu Tablet Hibiki with Sierra GSM/UMTS Module; Type: MC8781; Serial: IMEI: 354220010021398

* Communication System: 850MHz 1900 MHz GPRS Class 12; Frequency: 1880 MHz; Duty Cycle: 1:2.075

* Medium parameters used: $f = 1880$ MHz; $\sigma = 1.49$ mho/m; $\epsilon_r = 51$; $\rho = 1000$ kg/m³

- Electronics: DAE3 Sn442; Probe: ET3DV6 - SN1380; ConvF(4.79, 4.79, 4.79)

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

Channel 661 Test/Area Scan (71x51x1): Measurement grid: dx=15mm, dy=15mm
 Maximum value of SAR (interpolated) = 0.900 mW/g

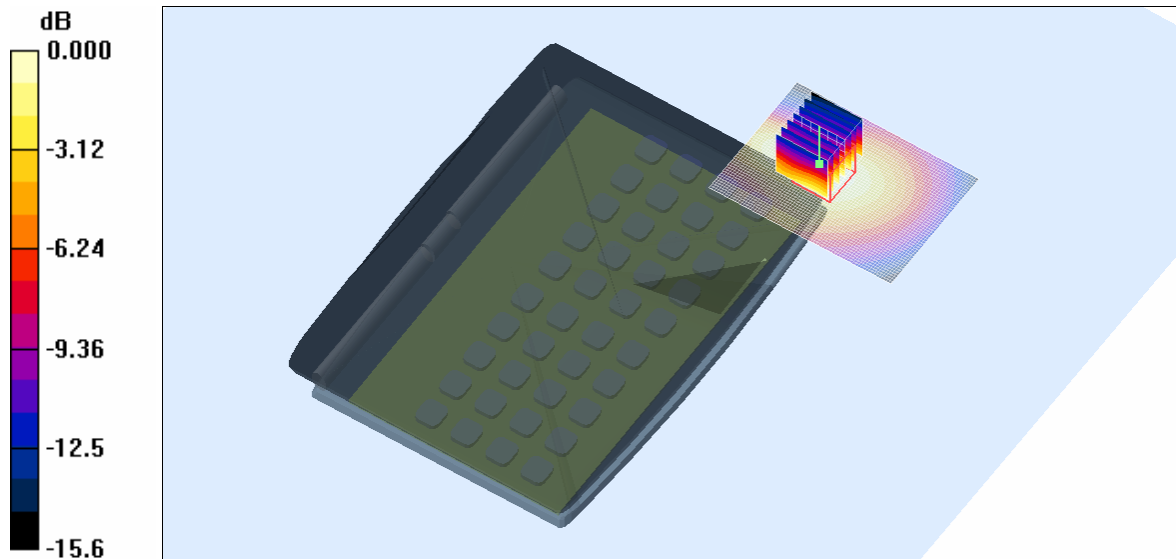
Channel 661 Test/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 21.6 V/m; Power Drift = -0.030 dB

Peak SAR (extrapolated) = 1.39 W/kg

SAR(1 g) = 0.798 mW/g; SAR(10 g) = 0.473 mW/g

Maximum value of SAR (measured) = 0.853 mW/g



0 dB = 0.853mW/g

SAR MEASUREMENT PLOT 10

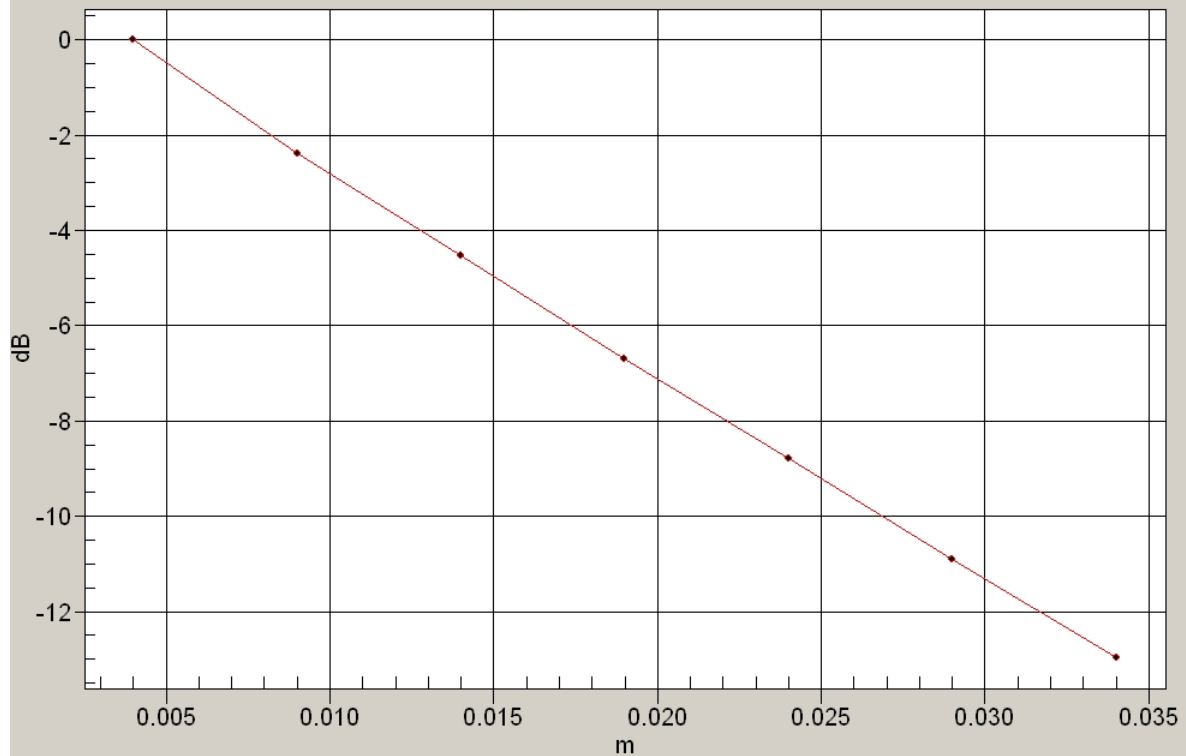
Ambient Temperature
Liquid Temperature
Humidity

21.0 Degrees Celsius
19.8 Degrees Celsius
46.0 %

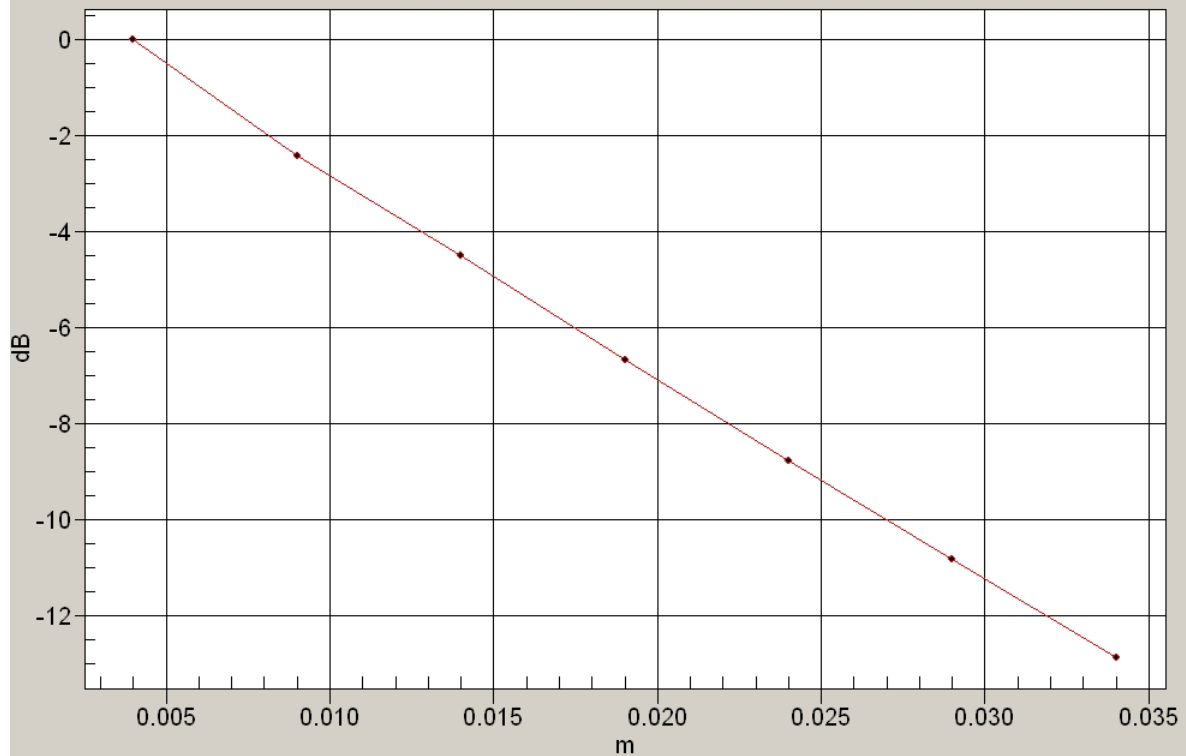


This document must not be copied or reproduced, except in full without the written permission of the Manager, EMC Technologies Pty Ltd. The certificate on page 3 may be reproduced in full.
www.emctech.com.au

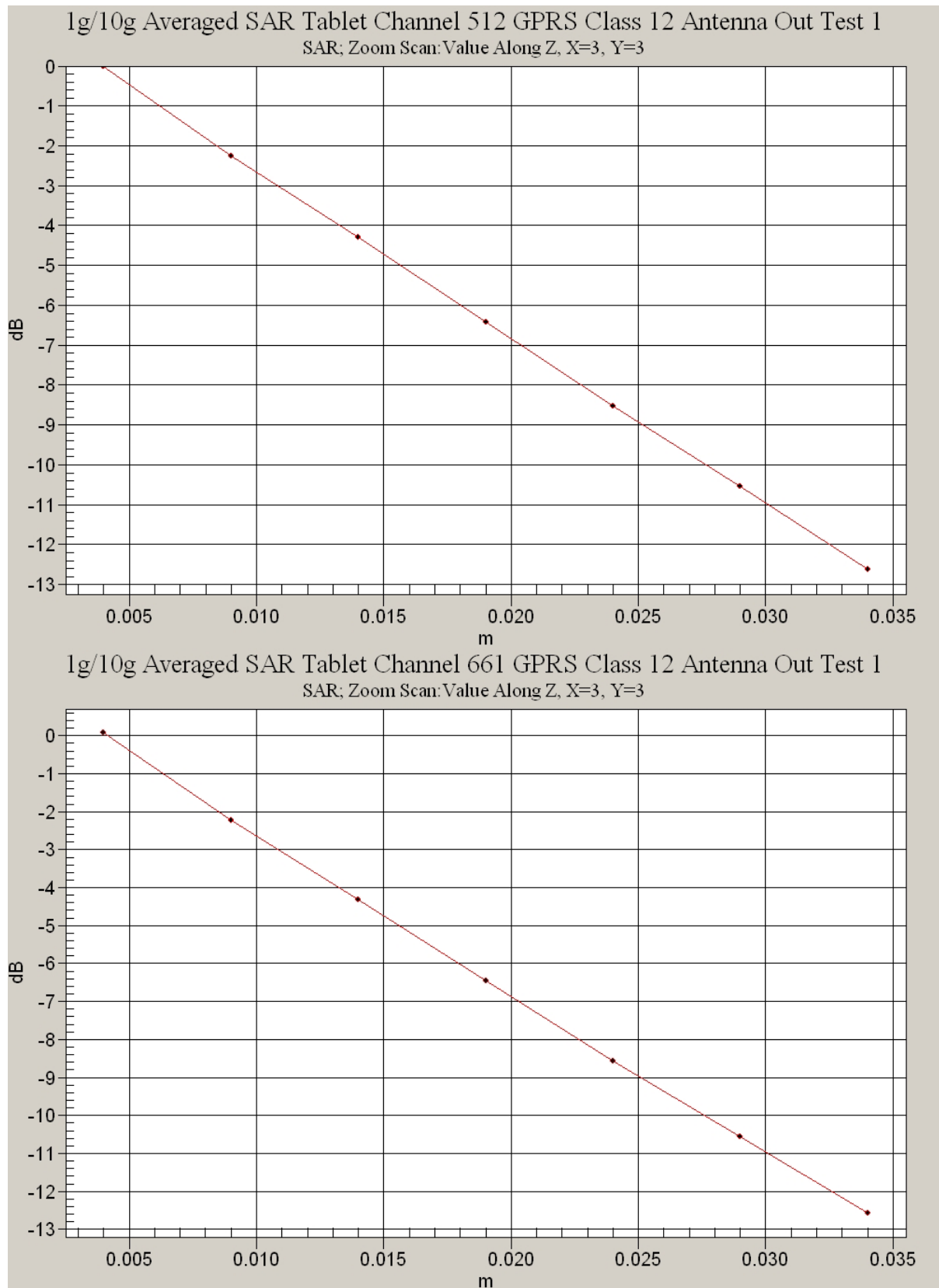
1g/10g Averaged SAR Tablet Channel 661 GPRS Class 10 Antenna Out Test 1
 SAR; Zoom Scan: Value Along Z, X=3, Y=3



1g/10g Averaged SAR Tablet Channel 661 GPRS Class 11 Antenna Out Test 1
 SAR; Zoom Scan: Value Along Z, X=3, Y=3



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: 15 August 2008

File Name: Tablet 1900 MHz GPRS Class 12 Antenna Out 15-08-08.da4

DUT: Fujitsu Tablet Hibiki with Sierra GSM/UMTS Module; Type: MC8781; Serial: IMEI: 354220010021398

* Communication System: 850MHz 1900 MHz GPRS Class 12; Frequency: 1909.8 MHz; Duty Cycle: 1:2.075

* Medium parameters used: $f = 1908$ MHz; $\sigma = 1.51$ mho/m; $\epsilon_r = 50.9$; $\rho = 1000$ kg/m³

- Electronics: DAE3 Sn442; Probe: ET3DV6 - SN1380; ConvF(4.79, 4.79, 4.79)

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

Channel 810 Test/Area Scan (71x51x1): Measurement grid: dx=15mm, dy=15mm
 Maximum value of SAR (interpolated) = 0.887 mW/g

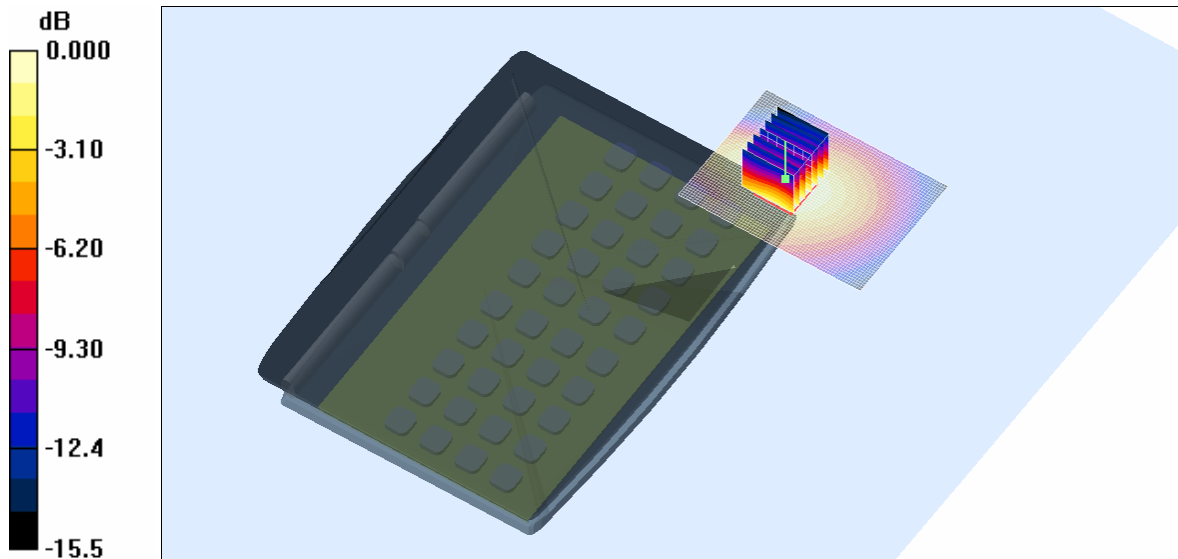
Channel 810 Test/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 21.7 V/m; Power Drift = -0.111 dB

Peak SAR (extrapolated) = 1.46 W/kg

SAR(1 g) = 0.831 mW/g; SAR(10 g) = 0.492 mW/g

Maximum value of SAR (measured) = 0.899 mW/g



SAR MEASUREMENT PLOT 11

Ambient Temperature
Liquid Temperature
Humidity

21.0 Degrees Celsius
19.8 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: 15 August 2008

File Name: Tablet 1900 MHz GPRS Class 12 Antenna Mid 15-08-08.da4

DUT: Fujitsu Tablet Hibiki with Sierra GSM/UMTS Module; Type: MC8781; Serial: IMEI: 354220010021398

* Communication System: 850MHz 1900 MHz GPRS Class 12; Frequency: 1880 MHz; Duty Cycle: 1:2.075

* Medium parameters used: $f = 1880$ MHz; $\sigma = 1.49$ mho/m; $\epsilon_r = 51$; $\rho = 1000$ kg/m³

- Electronics: DAE3 Sn442; Probe: ET3DV6 - SN1380; ConvF(4.79, 4.79, 4.79)

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

Channel 661 Test/Area Scan (51x71x1): Measurement grid: dx=15mm, dy=15mm
 Maximum value of SAR (interpolated) = 0.788 mW/g

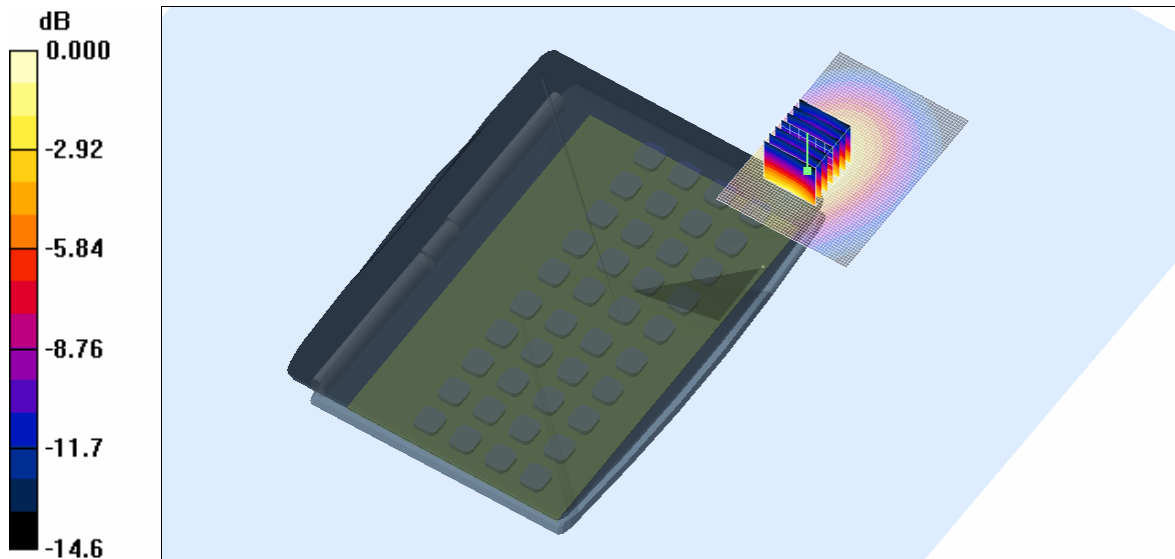
Channel 661 Test/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 19.9 V/m; Power Drift = -0.067 dB

Peak SAR (extrapolated) = 1.36 W/kg

SAR(1 g) = 0.751 mW/g; SAR(10 g) = 0.434 mW/g

Maximum value of SAR (measured) = 0.808 mW/g



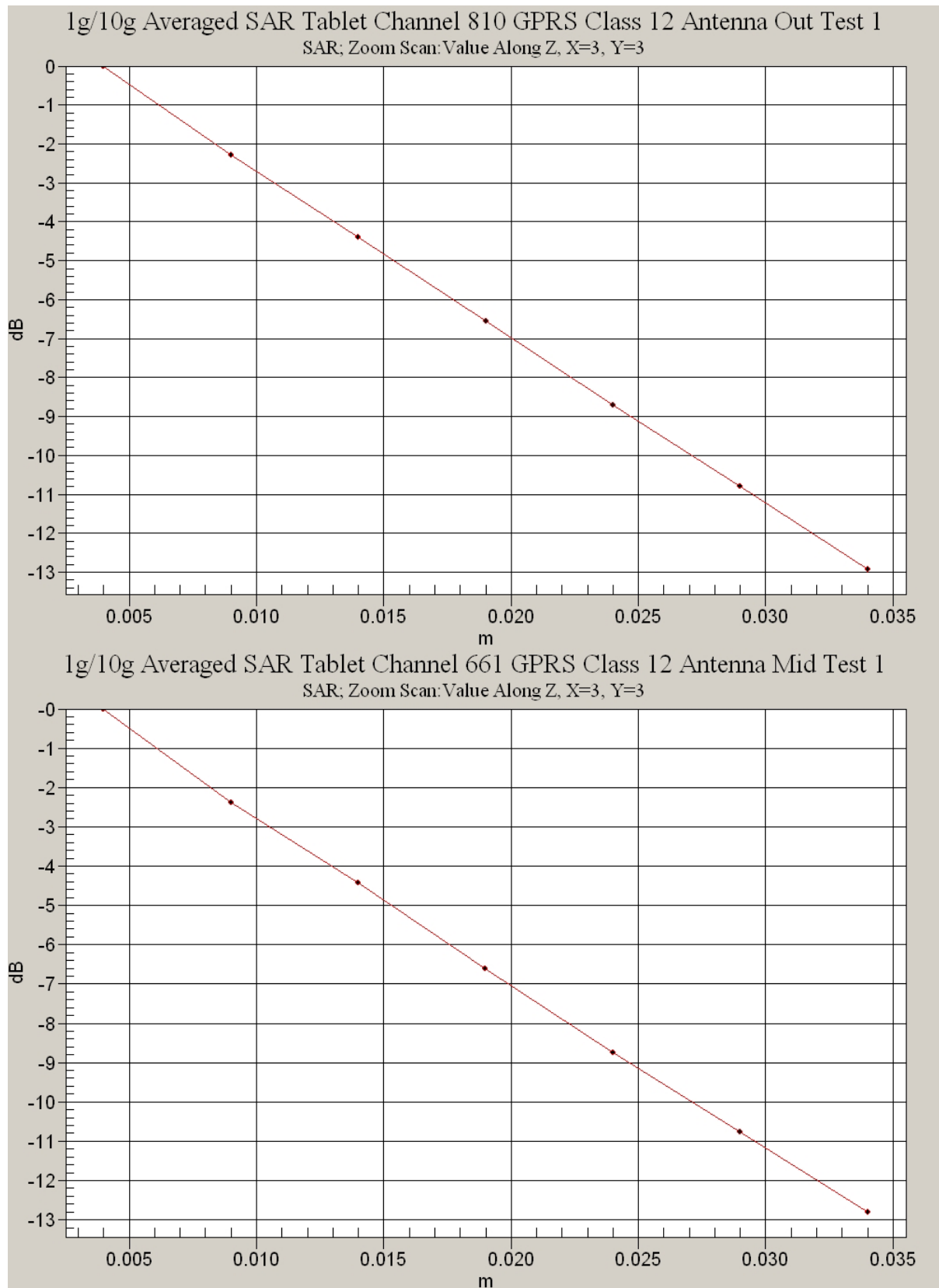
SAR MEASUREMENT PLOT 12

Ambient Temperature
Liquid Temperature
Humidity

21.0 Degrees Celsius
19.8 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



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: 16 August 2008

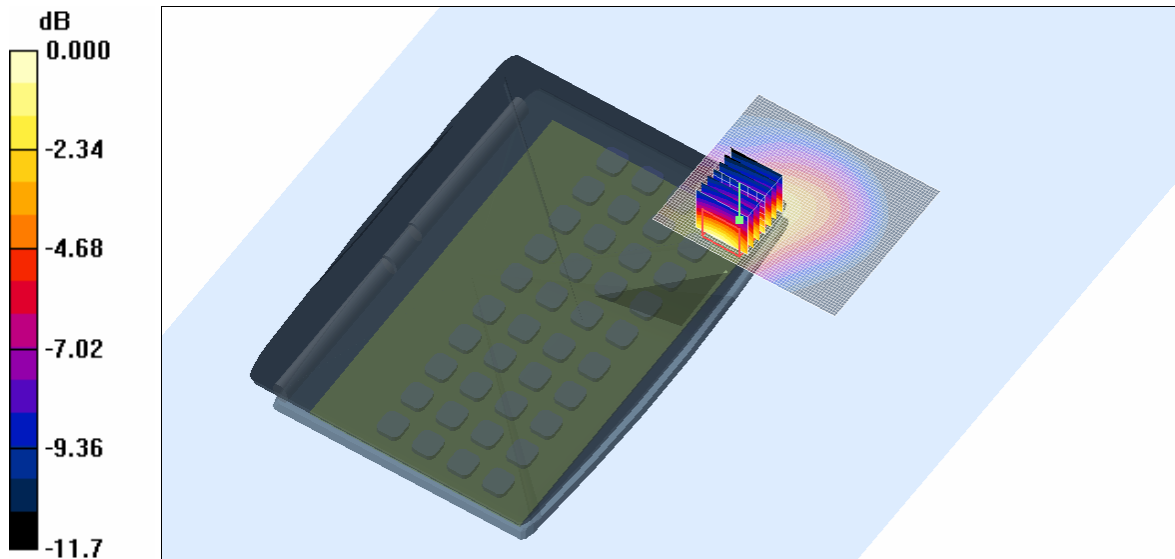
File Name: Tablet 850 MHz 3G Antenna Out 16-08-08.da4

DUT: Fujitsu Tablet Hibiki with Sierra GSM/UMTS Module; Type: MC8781; Serial: IMEI: 354220010021398

- * Communication System: 850 MHz 3G; Frequency: 836.6 MHz; Duty Cycle: 1:1
- * Medium parameters used: $f = 836 \text{ MHz}$; $\sigma = 1 \text{ mho/m}$; $\epsilon_r = 54.2$; $\rho = 1000 \text{ kg/m}^3$
- Electronics: DAE3 Sn442; Probe: ET3DV6 - SN1380; ConvF(6.03, 6.03, 6.03)
- Phantom: Flat Phantom 9.1; Serial: P 9.1; Phantom section: Flat 2.2 Section

Channel 4183 Test/Area Scan (71x61x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$
 Maximum value of SAR (interpolated) = 0.243 mW/g

Channel 4183 Test/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$
 Reference Value = 11.0 V/m; Power Drift = -0.287 dB
 Peak SAR (extrapolated) = 0.327 W/kg
SAR(1 g) = 0.222 mW/g; SAR(10 g) = 0.143 mW/g
 Maximum value of SAR (measured) = 0.240 mW/g



SAR MEASUREMENT PLOT 13

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: 16 August 2008

File Name: Tablet 850 MHz 3G Antenna Mid 16-08-08.da4

DUT: Fujitsu Tablet Hibiki with Sierra GSM/UMTS Module; Type: MC8781; Serial: IMEI: 354220010021398

* Communication System: 850 MHz 3G; Frequency: 826.4 MHz; Duty Cycle: 1:1

* Medium parameters used: $f = 826 \text{ MHz}$; $\sigma = 0.991 \text{ mho/m}$; $\epsilon_r = 54.3$; $\rho = 1000 \text{ kg/m}^3$

- Electronics: DAE3 Sn442; Probe: ET3DV6 - SN1380; ConvF(6.03, 6.03, 6.03)

- Phantom: Flat Phantom 9.1; Serial: P 9.1; Phantom section: Flat 2.2 Section

Channel 4132 Test/Area Scan (51x81x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$
 Maximum value of SAR (interpolated) = 0.313 mW/g

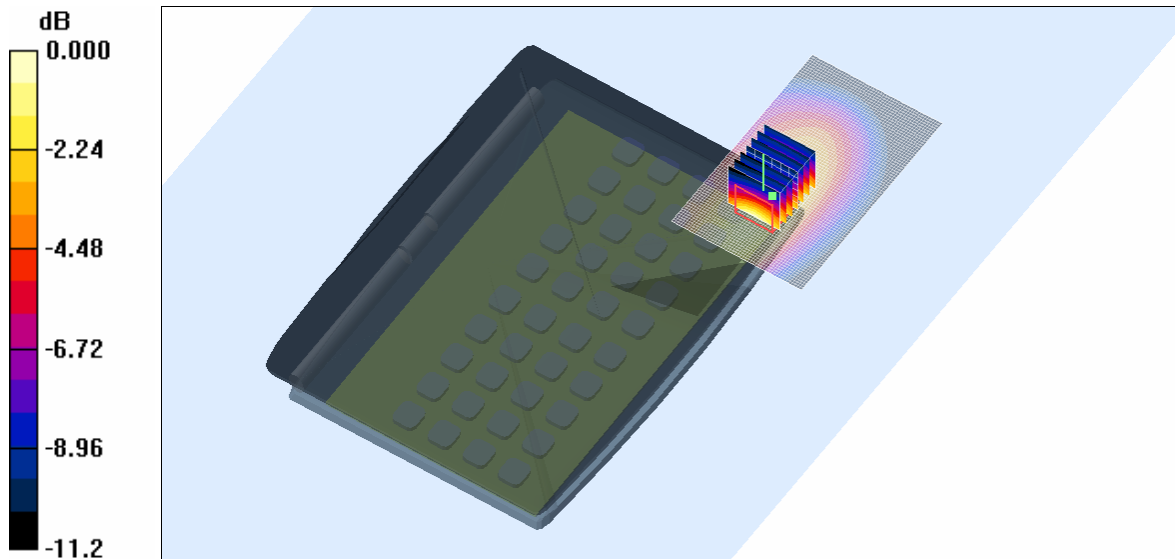
Channel 4132 Test/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$,
 $dz=5\text{mm}$

Reference Value = 13.1 V/m; Power Drift = -0.039 dB

Peak SAR (extrapolated) = 0.524 W/kg

SAR(1 g) = 0.288 mW/g; SAR(10 g) = 0.173 mW/g

Maximum value of SAR (measured) = 0.308 mW/g



SAR MEASUREMENT PLOT 14

Ambient Temperature
Liquid Temperature
Humidity

20.8 Degrees Celsius
20.6 Degrees Celsius
46.0 %



Test Date: 16 August 2008

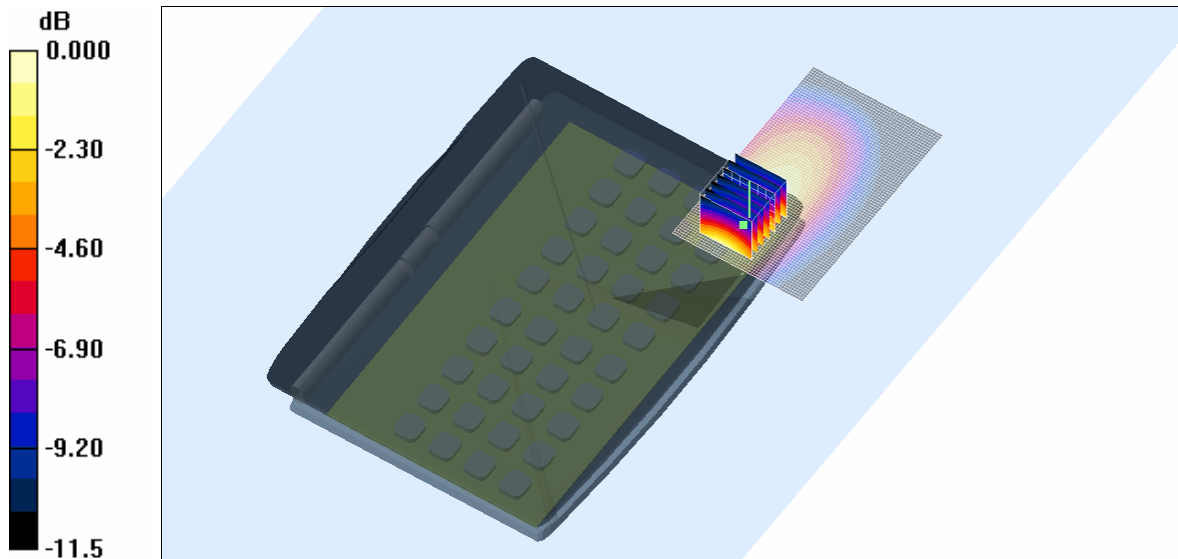
File Name: Tablet 850 MHz 3G Antenna Mid 16-08-08.da4

DUT: Fujitsu Tablet Hibiki with Sierra GSM/UMTS Module; Type: MC8781; Serial: IMEI: 354220010021398

- * Communication System: 850 MHz 3G; Frequency: 836.6 MHz; Duty Cycle: 1:1
- * Medium parameters used: $f = 836 \text{ MHz}$; $\sigma = 1 \text{ mho/m}$; $\epsilon_r = 54.2$; $\rho = 1000 \text{ kg/m}^3$
- Electronics: DAE3 Sn442; Probe: ET3DV6 - SN1380; ConvF(6.03, 6.03, 6.03)
- Phantom: Flat Phantom 9.1; Serial: P 9.1; Phantom section: Flat 2.2 Section

Channel 4183 Test/Area Scan (51x81x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$
 Maximum value of SAR (interpolated) = 0.231 mW/g

Channel 4183 Test/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$
 Reference Value = 10.7 V/m; Power Drift = -0.024 dB
 Peak SAR (extrapolated) = 0.391 W/kg
SAR(1 g) = 0.229 mW/g; SAR(10 g) = 0.142 mW/g
 Maximum value of SAR (measured) = 0.247 mW/g



SAR MEASUREMENT PLOT 15

Ambient Temperature
Liquid Temperature
Humidity

20.8 Degrees Celsius
20.6 Degrees Celsius
46.0 %



Test Date: 16 August 2008

File Name: Tablet 850 MHz 3G Antenna Mid 16-08-08.da4

DUT: Fujitsu Tablet Hibiki with Sierra GSM/UMTS Module; Type: MC8781; Serial: IMEI: 354220010021398

* Communication System: 850 MHz 3G; Frequency: 846.6 MHz; Duty Cycle: 1:1

* Medium parameters used: $f = 846 \text{ MHz}$; $\sigma = 1.01 \text{ mho/m}$; $\epsilon_r = 54.1$; $\rho = 1000 \text{ kg/m}^3$

- Electronics: DAE3 Sn442; Probe: ET3DV6 - SN1380; ConvF(6.03, 6.03, 6.03)

- Phantom: Flat Phantom 9.1; Serial: P 9.1; Phantom section: Flat 2.2 Section

Channel 4233 Test/Area Scan (51x81x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$
 Maximum value of SAR (interpolated) = 0.328 mW/g

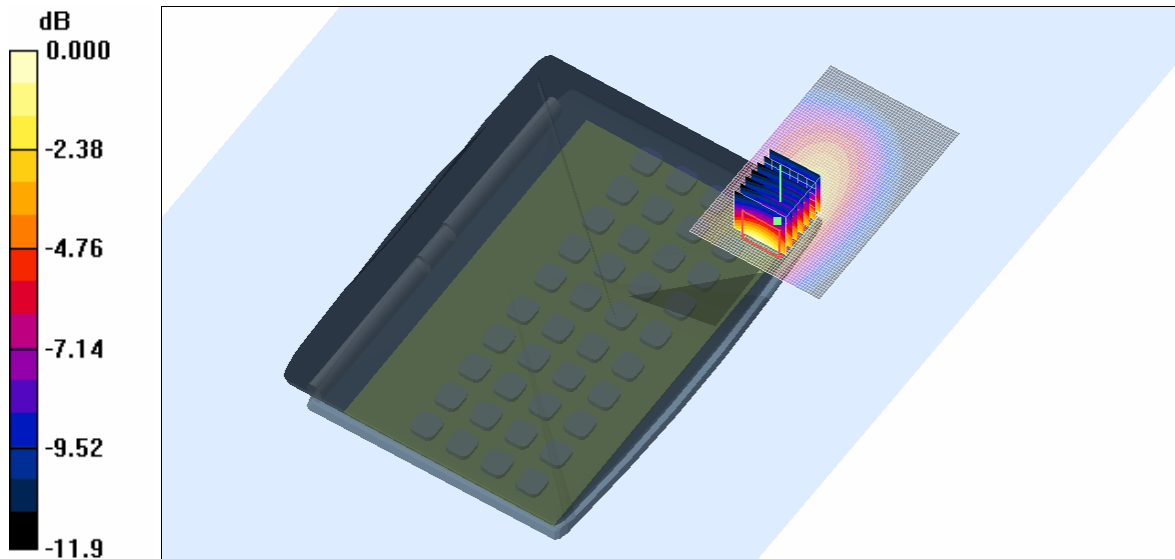
Channel 4233 Test/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$,
 $dz=5\text{mm}$

Reference Value = 12.0 V/m; Power Drift = -0.123 dB

Peak SAR (extrapolated) = 0.567 W/kg

SAR(1 g) = 0.298 mW/g; SAR(10 g) = 0.179 mW/g

Maximum value of SAR (measured) = 0.322 mW/g



SAR MEASUREMENT PLOT 16

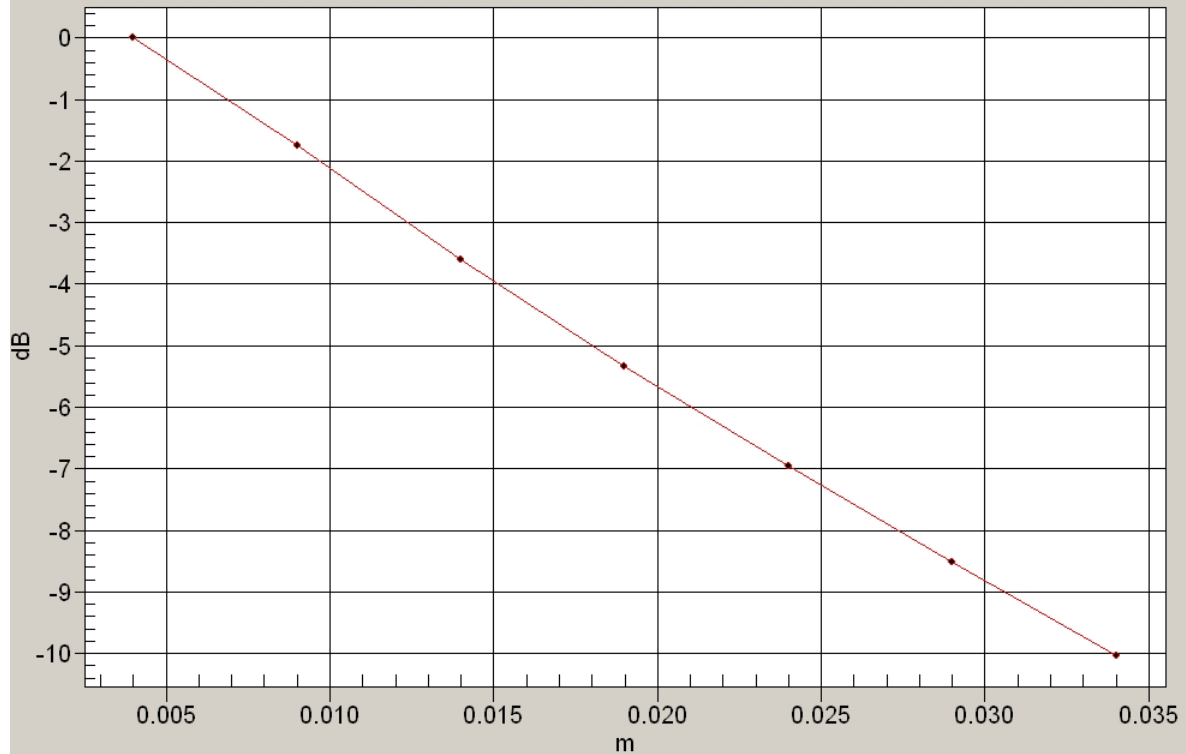
Ambient Temperature
Liquid Temperature
Humidity

20.8 Degrees Celsius
20.6 Degrees Celsius
46.0 %

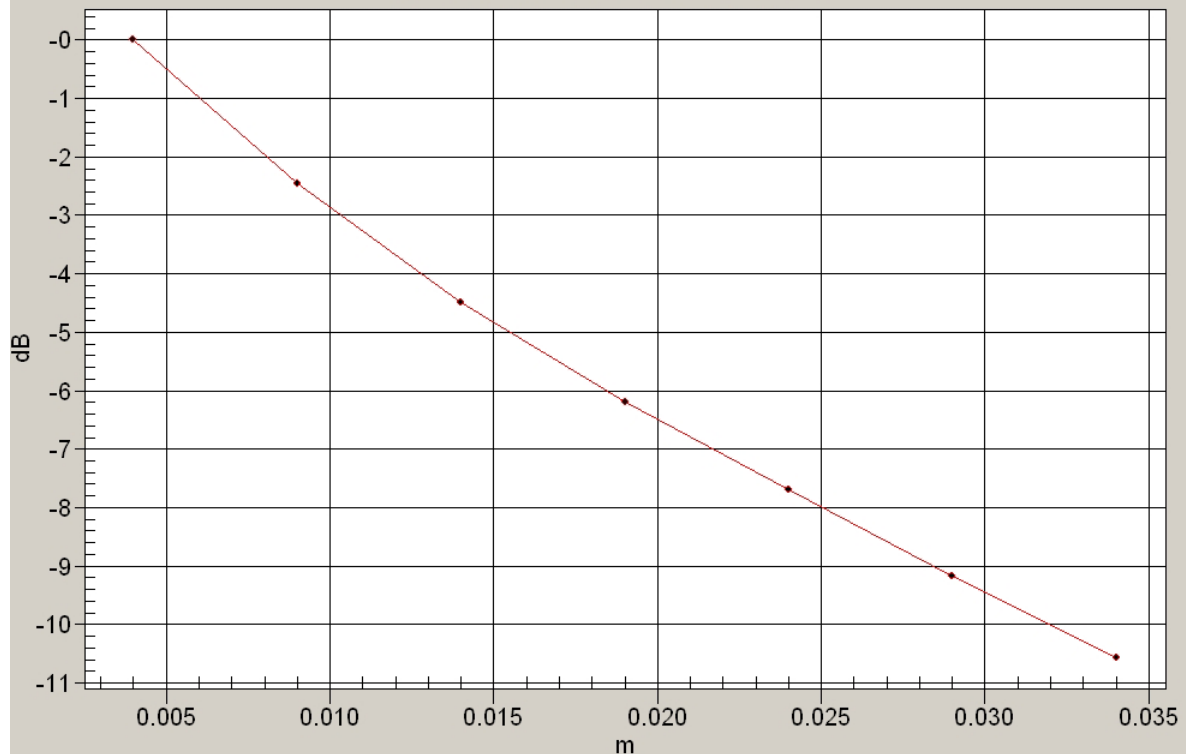


This document must not be copied or reproduced, except in full without the written permission of the Manager, EMC Technologies Pty Ltd. The certificate on page 3 may be reproduced in full.
www.emctech.com.au

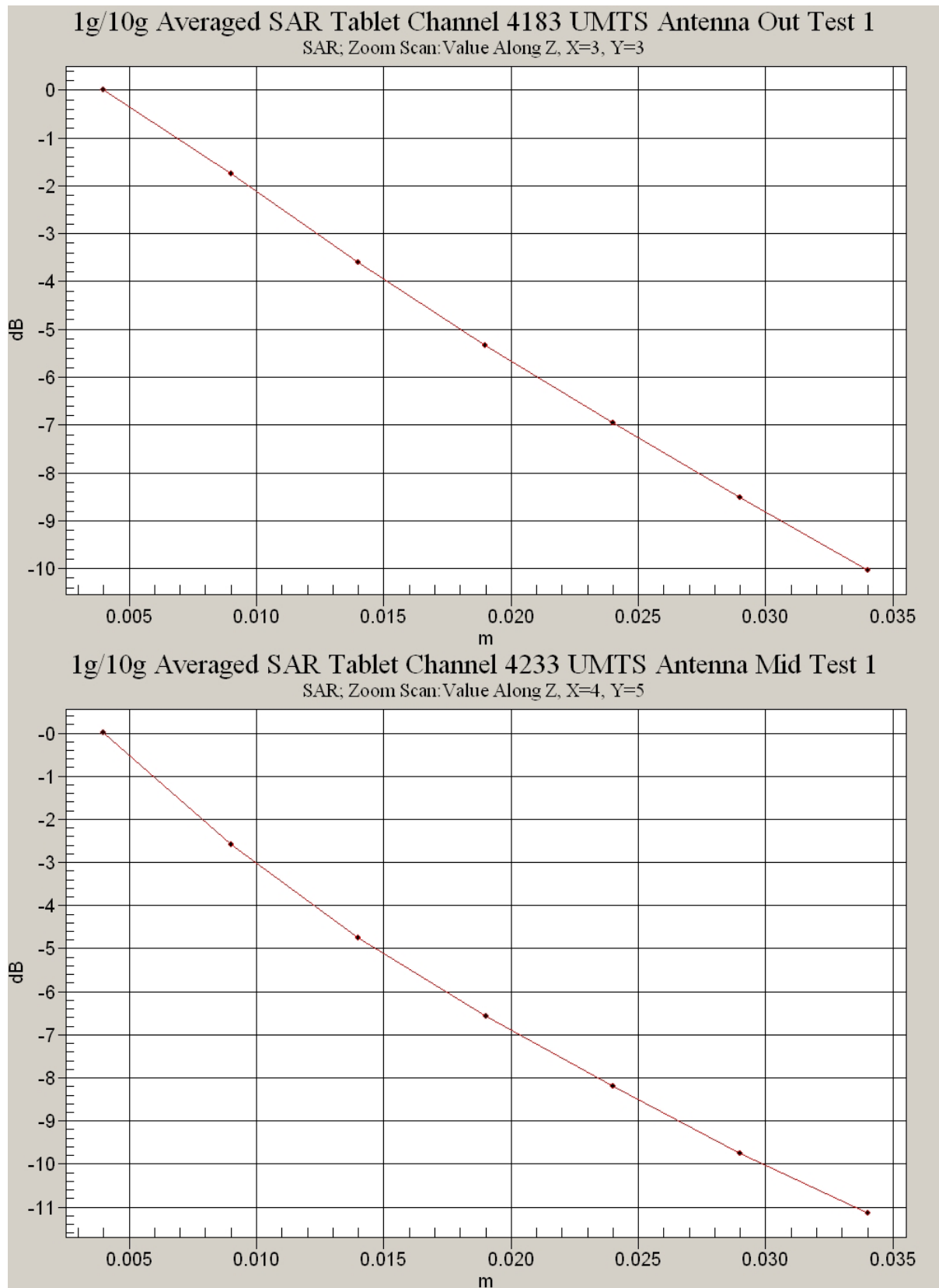
1g/10g Averaged SAR Tablet Channel 4183 UMTS Antenna Out Test 1
 SAR; Zoom Scan: Value Along Z, X=3, Y=3



1g/10g Averaged SAR Tablet Channel 4132 UMTS Antenna Mid Test 1
 SAR; Zoom Scan: Value Along Z, X=4, Y=3



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: 15 August 2008

File Name: Tablet 1900 MHz 3G Antenna Mid 15-08-08.da4

DUT: Fujitsu Tablet Hibiki with Sierra GSM/UMTS Module; Type: MC8781; Serial: IMEI: 354220010021398

* Communication System: 1900 MHz 3G; Frequency: 1880 MHz; Duty Cycle: 1:1

* Medium parameters used: $f = 1880$ MHz; $\sigma = 1.49$ mho/m; $\epsilon_r = 51$; $\rho = 1000$ kg/m³

- Electronics: DAE3 Sn442; Probe: ET3DV6 - SN1380; ConvF(4.79, 4.79, 4.79)

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

Channel 9400 Test/Area Scan (51x71x1): Measurement grid: dx=15mm, dy=15mm
 Maximum value of SAR (interpolated) = 0.485 mW/g

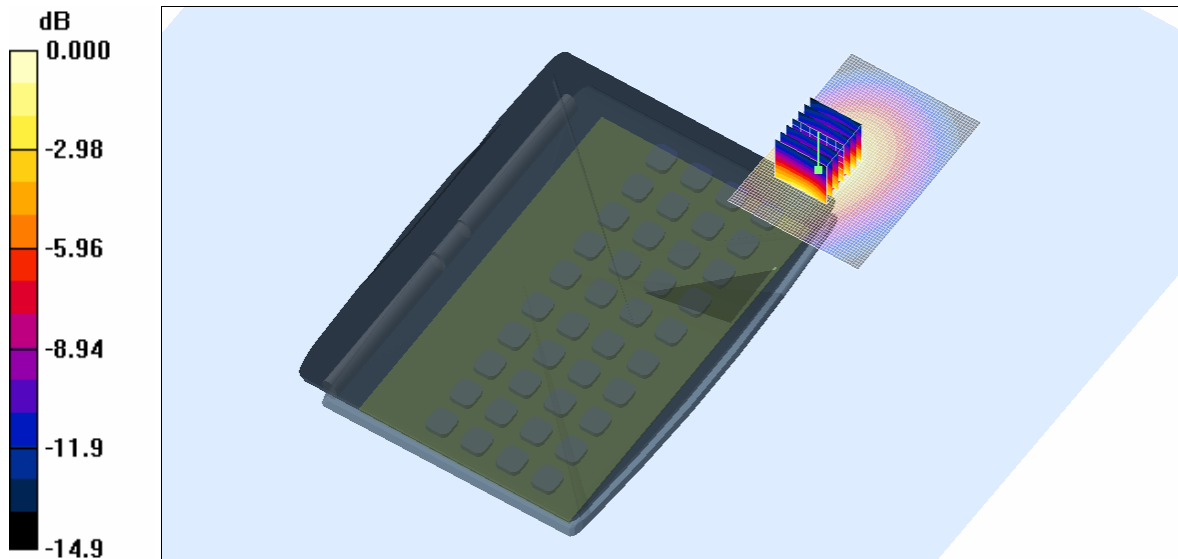
Channel 9400 Test/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 15.6 V/m; Power Drift = -0.016 dB

Peak SAR (extrapolated) = 0.827 W/kg

SAR(1 g) = 0.460 mW/g; SAR(10 g) = 0.265 mW/g

Maximum value of SAR (measured) = 0.502 mW/g



SAR MEASUREMENT PLOT 17

Ambient Temperature
Liquid Temperature
Humidity

21.0 Degrees Celsius
19.8 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: 15 August 2008

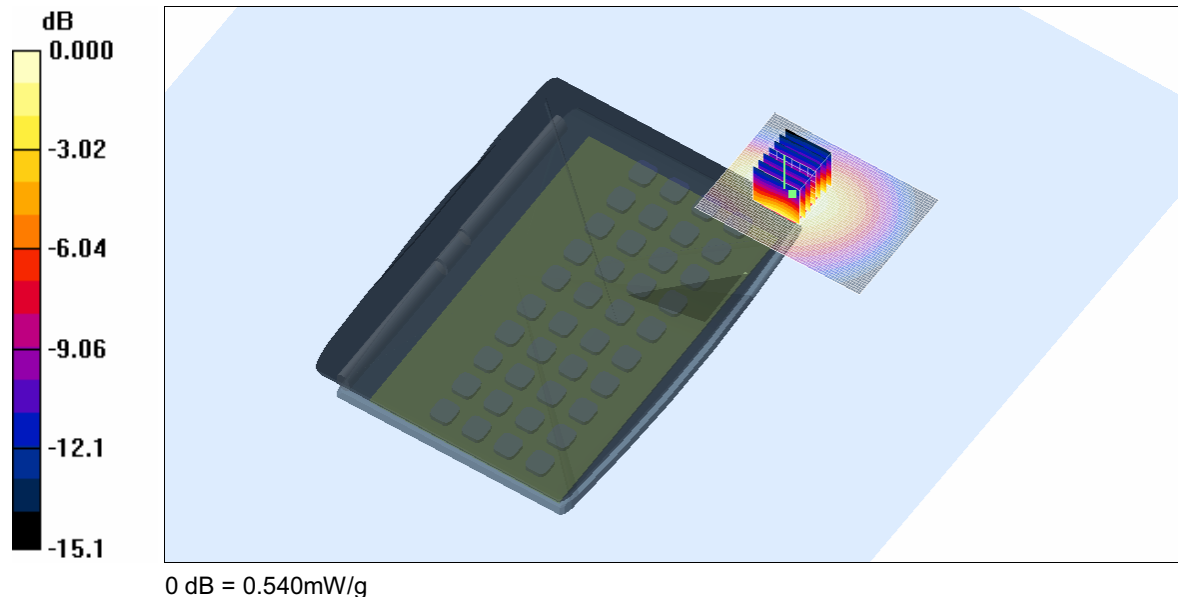
File Name: Tablet 1900 MHz 3G Antenna Out 15-08-08.da4

DUT: Fujitsu Tablet Hibiki with Sierra GSM/UMTS Module; Type: MC8781; Serial: IMEI: 354220010021398

- * Communication System: 1900 MHz 3G; Frequency: 1852.4 MHz; Duty Cycle: 1:1
- * Medium parameters used: $f = 1852$ MHz; $\sigma = 1.47$ mho/m; $\epsilon_r = 51.1$; $\rho = 1000$ kg/m³
- Electronics: DAE3 Sn442; Probe: ET3DV6 - SN1380; ConvF(4.79, 4.79, 4.79)
- Phantom: Flat Phantom 10.1; Serial: P 10.1; Phantom section: Flat 2.2 Section

Channel 9262 Test/Area Scan (71x51x1): Measurement grid: dx=15mm, dy=15mm
 Maximum value of SAR (interpolated) = 0.535 mW/g

Channel 9262 Test/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
 Reference Value = 16.4 V/m; Power Drift = -0.030 dB
 Peak SAR (extrapolated) = 0.863 W/kg
SAR(1 g) = 0.493 mW/g; SAR(10 g) = 0.290 mW/g
 Maximum value of SAR (measured) = 0.540 mW/g



SAR MEASUREMENT PLOT 18

Ambient Temperature
Liquid Temperature
Humidity

21.0 Degrees Celsius
19.8 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: 15 August 2008

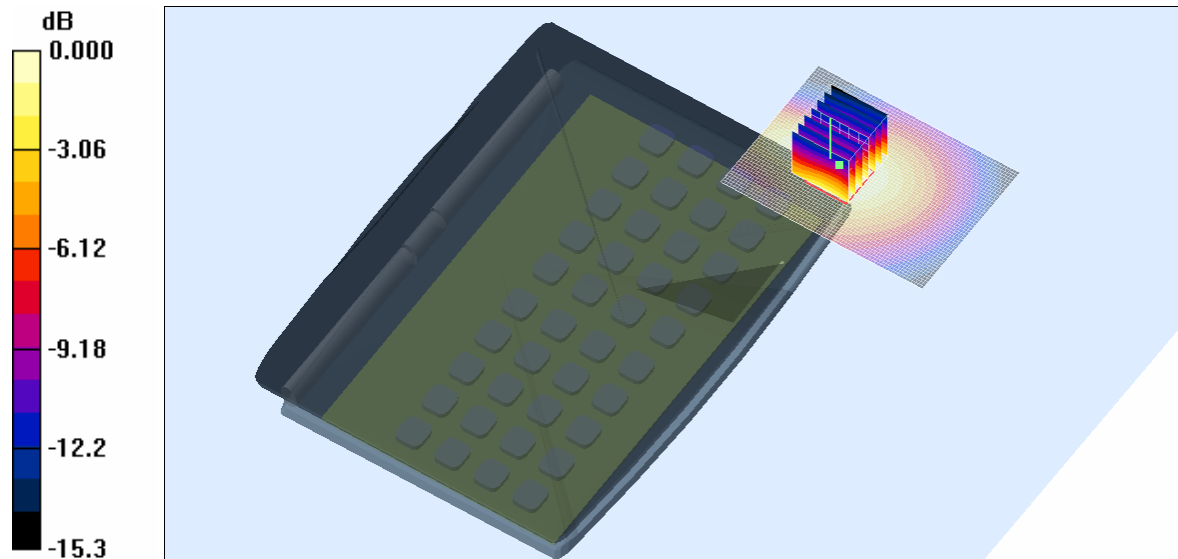
File Name: Tablet 1900 MHz 3G Antenna Out 15-08-08.da4

DUT: Fujitsu Tablet Hibiki with Sierra GSM/UMTS Module; Type: MC8781; Serial: IMEI: 354220010021398

- * Communication System: 1900 MHz 3G; Frequency: 1880 MHz; Duty Cycle: 1:1
- * Medium parameters used: $f = 1880$ MHz; $\sigma = 1.49$ mho/m; $\epsilon_r = 51$; $\rho = 1000$ kg/m³
- Electronics: DAE3 Sn442; Probe: ET3DV6 - SN1380; ConvF(4.79, 4.79, 4.79)
- Phantom: Flat Phantom 10.1; Serial: P 10.1; Phantom section: Flat 2.2 Section

Channel 9400 Test/Area Scan (71x51x1): Measurement grid: dx=15mm, dy=15mm
 Maximum value of SAR (interpolated) = 0.512 mW/g

Channel 9400 Test/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
 Reference Value = 16.3 V/m; Power Drift = -0.039 dB
 Peak SAR (extrapolated) = 0.840 W/kg
SAR(1 g) = 0.477 mW/g; SAR(10 g) = 0.283 mW/g
 Maximum value of SAR (measured) = 0.516 mW/g



SAR MEASUREMENT PLOT 19

Ambient Temperature
Liquid Temperature
Humidity

21.0 Degrees Celsius
19.8 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: 15 August 2008

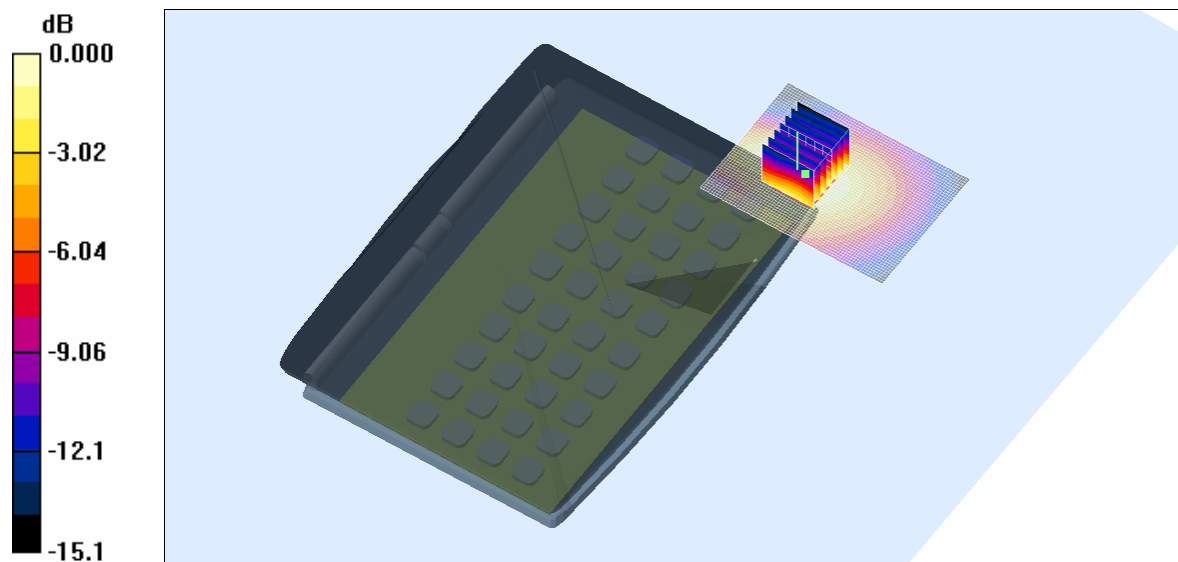
File Name: Tablet 1900 MHz 3G Antenna Out 15-08-08.da4

DUT: Fujitsu Tablet Hibiki with Sierra GSM/UMTS Module; Type: MC8781; Serial: IMEI: 354220010021398

- * Communication System: 1900 MHz 3G; Frequency: 1907.6 MHz; Duty Cycle: 1:1
- * Medium parameters used: $f = 1908$ MHz; $\sigma = 1.51$ mho/m; $\epsilon_r = 50.9$; $\rho = 1000$ kg/m³
- Electronics: DAE3 Sn442; Probe: ET3DV6 - SN1380; ConvF(4.79, 4.79, 4.79)
- Phantom: Flat Phantom 10.1; Serial: P 10.1; Phantom section: Flat 2.2 Section

Channel 9538 Test/Area Scan (71x51x1): Measurement grid: dx=15mm, dy=15mm
 Maximum value of SAR (interpolated) = 0.468 mW/g

Channel 9538 Test/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
 Reference Value = 15.6 V/m; Power Drift = -0.131 dB
 Peak SAR (extrapolated) = 0.787 W/kg
SAR(1 g) = 0.437 mW/g; SAR(10 g) = 0.260 mW/g
 Maximum value of SAR (measured) = 0.480 mW/g



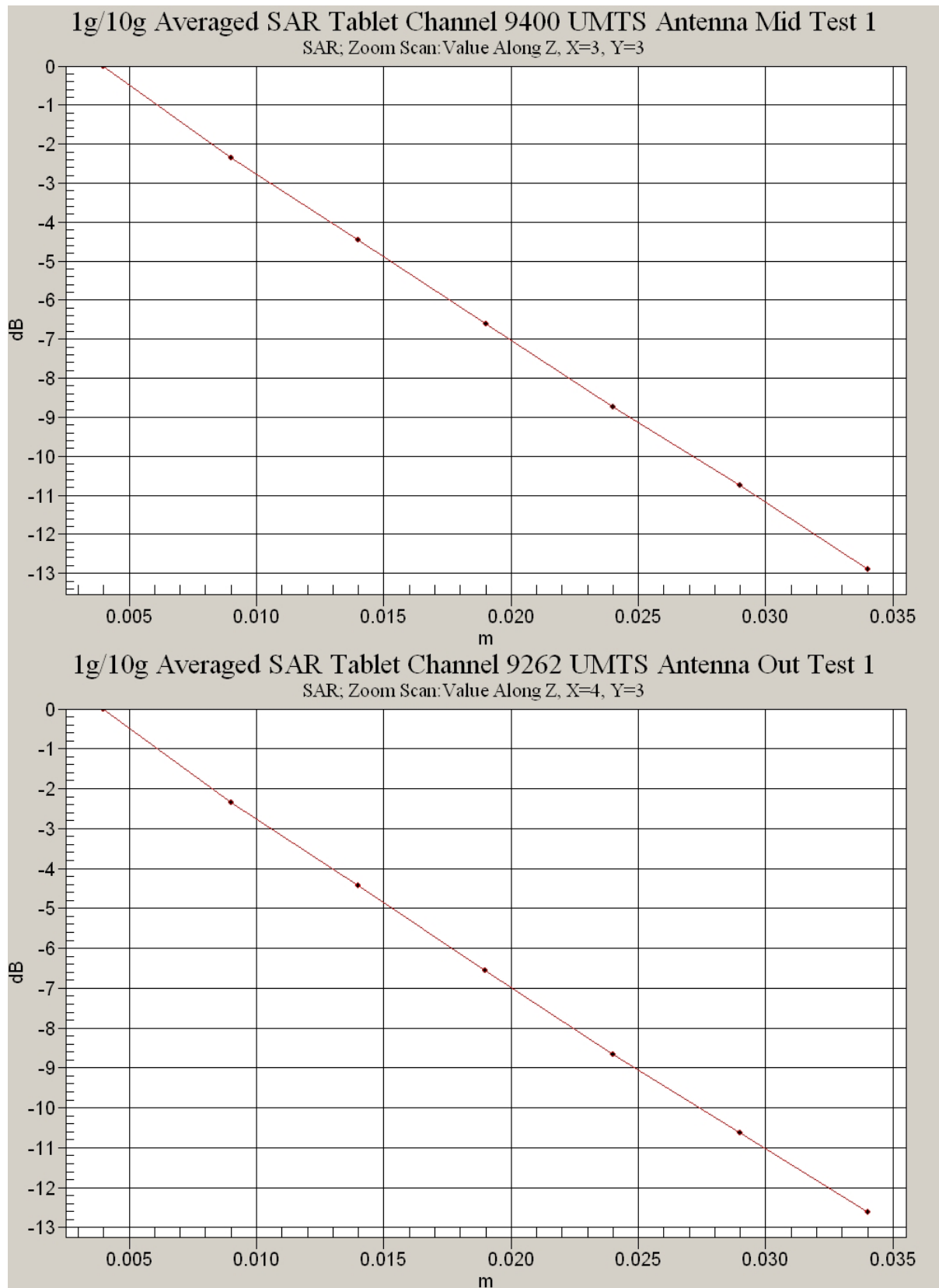
SAR MEASUREMENT PLOT 20

Ambient Temperature
Liquid Temperature
Humidity

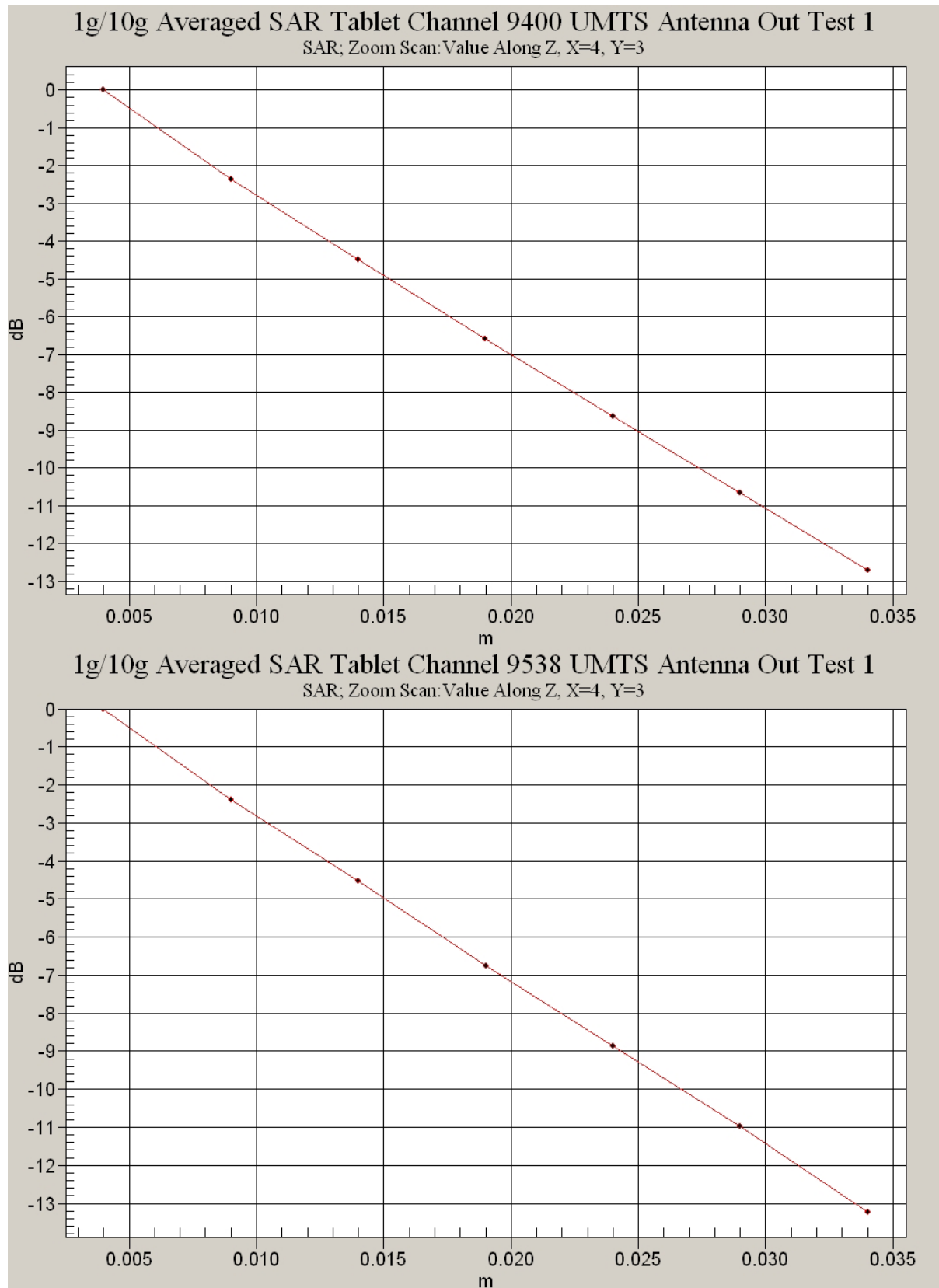
21.0 Degrees Celsius
19.8 Degrees Celsius
46.0 %



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



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: 16 August 2008

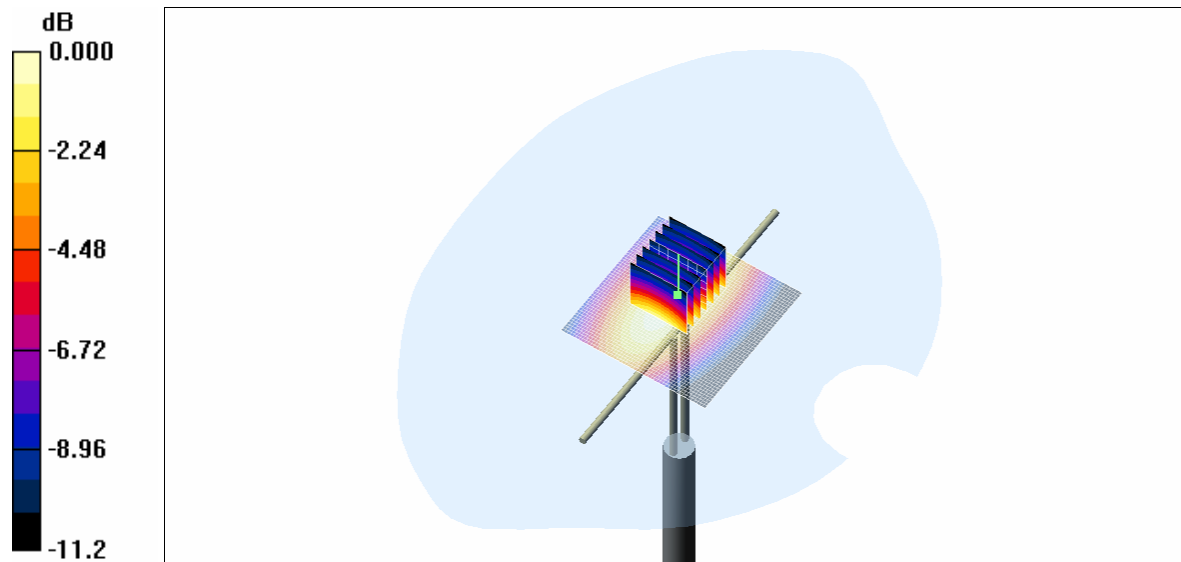
File Name: Validation 900 MHz (DAE442 Probe1380) 16-08-08.da4

DUT: Dipole 900 MHz; Type: DV900; Serial: 047

- * Communication System: CW 900 MHz; Frequency: 900 MHz; Duty Cycle: 1:1
- * Medium parameters used: f = 900 MHz; $\sigma = 0.996$ mho/m; $\epsilon_r = 40.3$; $\rho = 1000$ kg/m³
- Electronics: DAE3 Sn442; Probe: ET3DV6 - SN1380; ConvF(6.3, 6.3, 6.3)
- Phantom: SAM 12; Serial: 1060; Phantom section: Flat Section

Channel 1 Test/Area Scan (51x51x1): Measurement grid: dx=15mm, dy=15mm
 Maximum value of SAR (interpolated) = 2.84 mW/g

Channel 1 Test/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
 Reference Value = 56.2 V/m; Power Drift = -0.009 dB
 Peak SAR (extrapolated) = 3.81 W/kg
SAR(1 g) = 2.62 mW/g; SAR(10 g) = 1.68 mW/g
 Maximum value of SAR (measured) = 2.85 mW/g



SAR MEASUREMENT PLOT 21

Ambient Temperature
Liquid Temperature
Humidity

20.8 Degrees Celsius
20.6 Degrees Celsius
46.0 %



Test Date: 15 August 2008

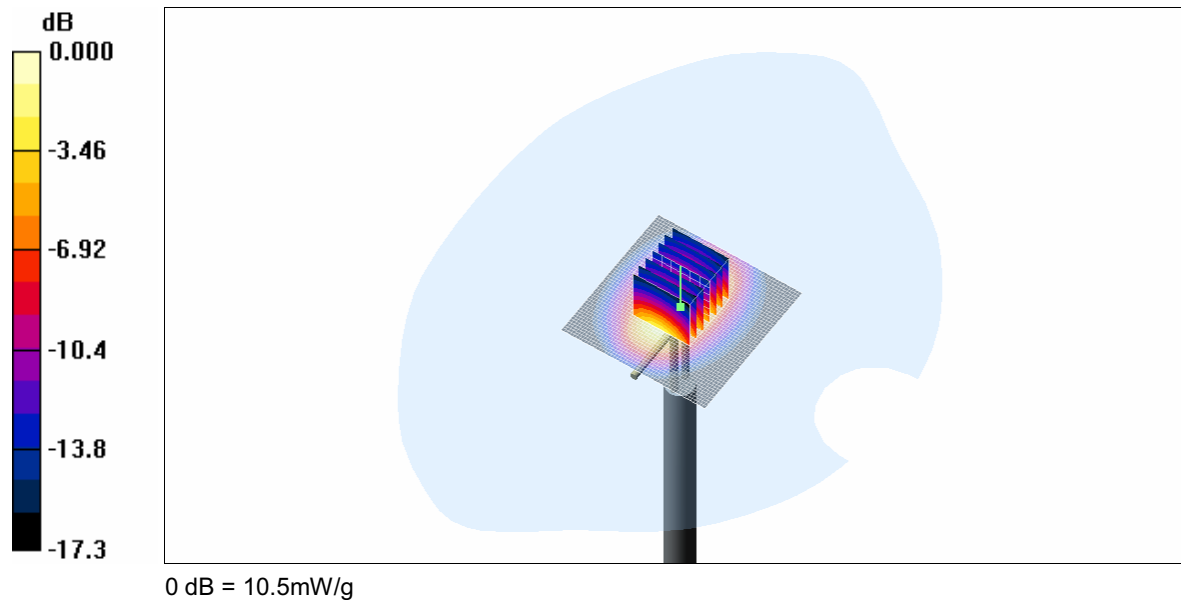
File Name: Validation 1800 MHz (DAE442 Probe1380) 15-08-08.da4

DUT: Dipole 1800 MHz; Type: DV1800V2; Serial: 242

- * Communication System: CW 1800 MHz; Frequency: 1800 MHz; Duty Cycle: 1:1
- * Medium parameters used: $f = 1900$ MHz; $\sigma = 1.43$ mho/m; $\epsilon_r = 38.2$; $\rho = 1000$ kg/m³
- Electronics: DAE3 Sn442; Probe: ET3DV6 - SN1380; ConvF(5.11, 5.11, 5.11)
- 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) = 12.0 mW/g

Channel 1 Test/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
 Reference Value = 91.3 V/m; Power Drift = -0.030 dB
 Peak SAR (extrapolated) = 16.5 W/kg
SAR(1 g) = 9.41 mW/g; SAR(10 g) = 4.99 mW/g
 Maximum value of SAR (measured) = 10.5 mW/g

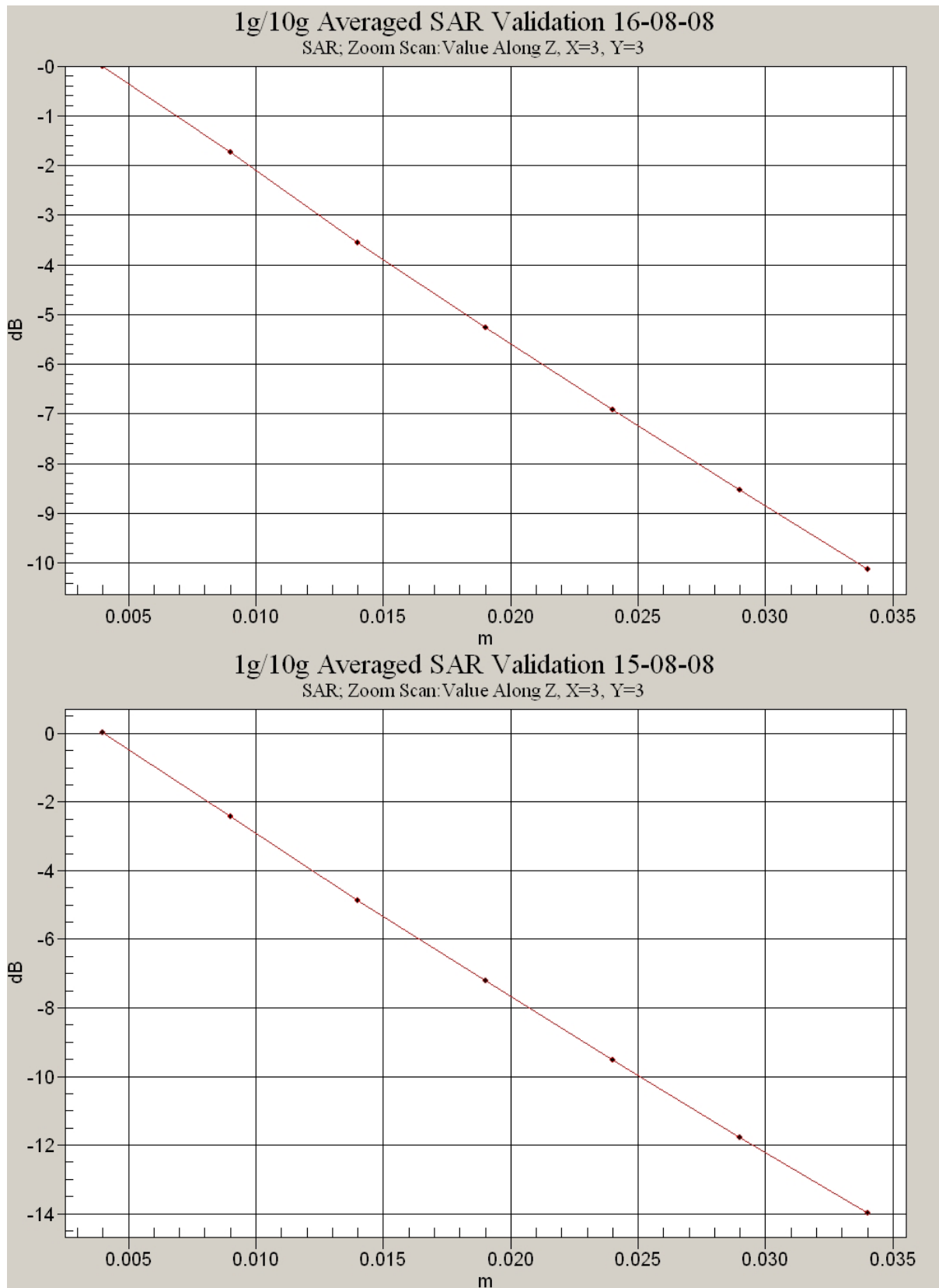


SAR MEASUREMENT PLOT 22

Ambient Temperature
Liquid Temperature
Humidity

21.0 Degrees Celsius
19.8 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