

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: SAR MEASUREMENT RESULTS – 850MHz GPRS

Test Position	Plot No.	Test Channel	Test Freq (MHz)
Tablet Ant. MID GPRS Class 10	1	190	836.6
Tablet Ant. MID GPRS Class 11	2	190	836.6
Tablet Ant. MID GPRS Class 12	3	190	836.6
Z-Axis graphs for Plots 1 to 3			
Tablet Ant. IN GPRS Class 10	-	190	836.6
Tablet Ant. OUT GPRS Class 10	4	128	824.2
	5	190	836.6
	6	251	848.0
Z-Axis graphs for Plots 4 to 6			

Table: SAR MEASUREMENT RESULTS – 850MHz UMTS

Test Position	Plot No.	Test Channel	Test Freq (MHz)
Tablet Ant. IN	-	4183	836.6
Tablet Ant. MID	7	4183	836.6
	8	4132	826.4
Tablet Ant. OUT	9	4183	836.6
	10	4233	846.6
Z-Axis graphs for Plots 7 to 10			

Table: SAR MEASUREMENT RESULTS – 1900MHz GPRS

Test Position	Plot No.	Test Channel	Test Freq (MHz)
Tablet Ant. MID GPRS Class 10	11	661	1880.0
Tablet Ant. MID GPRS Class 11	12	661	1880.0
Tablet Ant. MID GPRS Class 12	13	661	1880.0
Z-Axis graphs for Plots 11 to 13			
Tablet Ant. IN GPRS Class 12	14	661	1880.0
Tablet Ant. OUT GPRS Class 12	15	512	1850.2
	16	661	1880.0
	17	810	1909.8
Z-Axis graphs for Plots 14 to 17			



Table: SAR MEASUREMENT RESULTS – 1900MHz UMTS

Test Position	Plot No.	Test Channel	Test Freq (MHz)
Tablet Ant. IN	18	9400	1880.0
Tablet Ant. MID	19	9400	1880.0
Z-Axis graphs for Plots 13 to 14			
Tablet Ant. OUT	20	9262	1852.4
	21	9400	1880.0
	22	9538	1907.6
Z-Axis graphs for Plots 18 to 22			

Table: Validation Plots

Plot 23	Validation 900 MHz 22 nd August 2008
Plot 24	Validation 1800 MHz 21 st August 2008
Z-Axis graphs for Plots 23 to 24	



Test Date: 22 August 2008

File Name: 850 MHz GPRS Class 10 Tablet Antenna Mid 22-08-08.da4

DUT: Fujitsu Tablet Cutlass with 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: $f = 836 \text{ MHz}$; $\sigma = 0.991 \text{ mho/m}$; $\epsilon_r = 54.4$; $\rho = 1000 \text{ kg/m}^3$

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

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

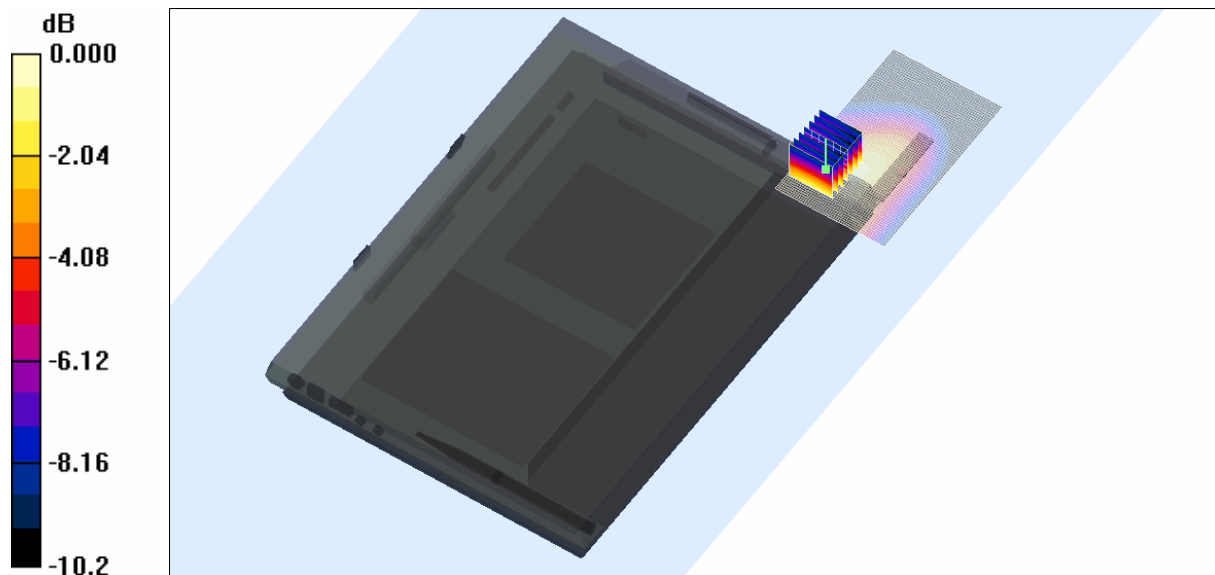
Channel 190 Test/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 12.4 V/m; Power Drift = -0.011 dB

Peak SAR (extrapolated) = 0.575 W/kg

SAR(1 g) = 0.408 mW/g; SAR(10 g) = 0.277 mW/g

Maximum value of SAR (measured) = 0.447 mW/g



0 dB = 0.447mW/g

SAR MEASUREMENT PLOT 1

Ambient Temperature
Liquid Temperature
Humidity

20.5 Degrees Celsius
20.2 Degrees Celsius
35.0 %



Test Date: 22 August 2008

File Name: 850 MHz GPRS Class 11 Tablet Antenna Mid 22-08-08.da4

DUT: Fujitsu Tablet Cutlass with 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: $f = 836 \text{ MHz}$; $\sigma = 0.991 \text{ mho/m}$; $\epsilon_r = 54.4$; $\rho = 1000 \text{ kg/m}^3$

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

Maximum value of SAR (interpolated) = 0.346 mW/g

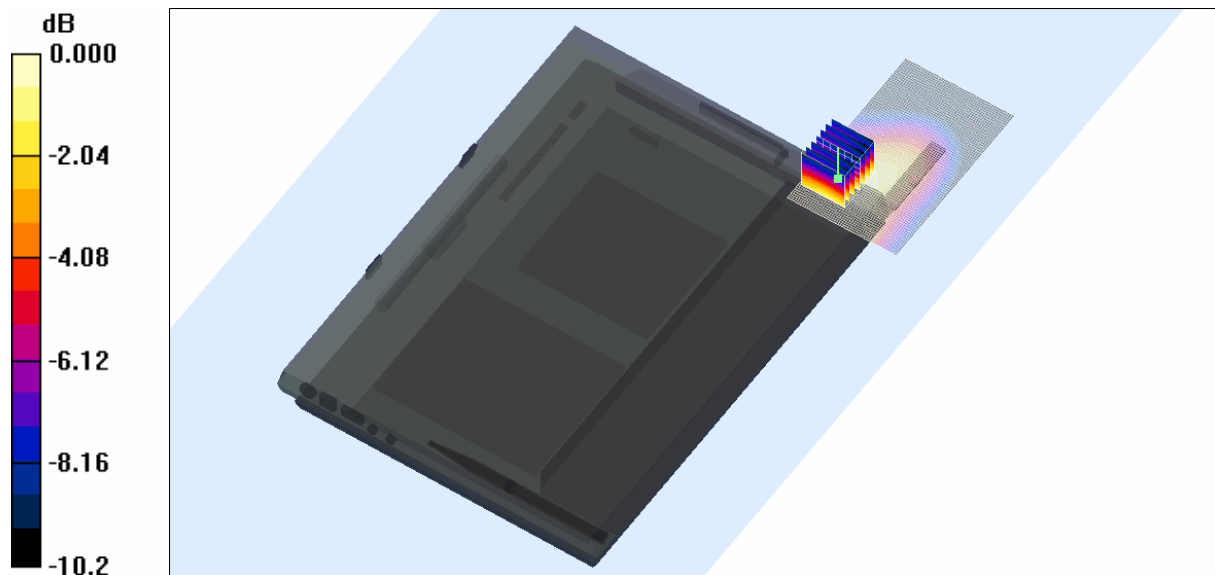
Channel 190 Test/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 10.9 V/m; Power Drift = -0.076 dB

Peak SAR (extrapolated) = 0.449 W/kg

SAR(1 g) = 0.315 mW/g; SAR(10 g) = 0.213 mW/g

Maximum value of SAR (measured) = 0.343 mW/g



SAR MEASUREMENT PLOT 2

Ambient Temperature
Liquid Temperature
Humidity

20.5 Degrees Celsius
20.2 Degrees Celsius
35.0 %



Test Date: 22 August 2008

File Name: 850 MHz GPRS Class 12 Tablet Antenna Mid 22-08-08.da4

DUT: Fujitsu Tablet Cutlass with 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: $f = 836 \text{ MHz}$; $\sigma = 0.991 \text{ mho/m}$; $\epsilon_r = 54.4$; $\rho = 1000 \text{ kg/m}^3$

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

Maximum value of SAR (interpolated) = 0.234 mW/g

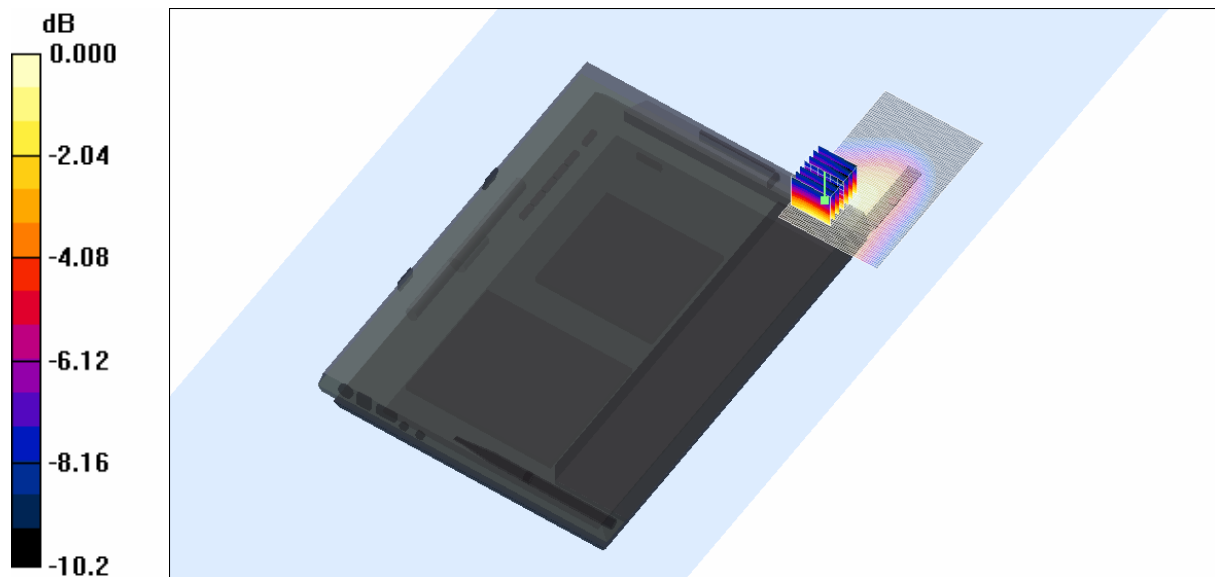
Channel 190 Test/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 8.91 V/m; Power Drift = -0.022 dB

Peak SAR (extrapolated) = 0.299 W/kg

SAR(1 g) = 0.212 mW/g; SAR(10 g) = 0.144 mW/g

Maximum value of SAR (measured) = 0.231 mW/g



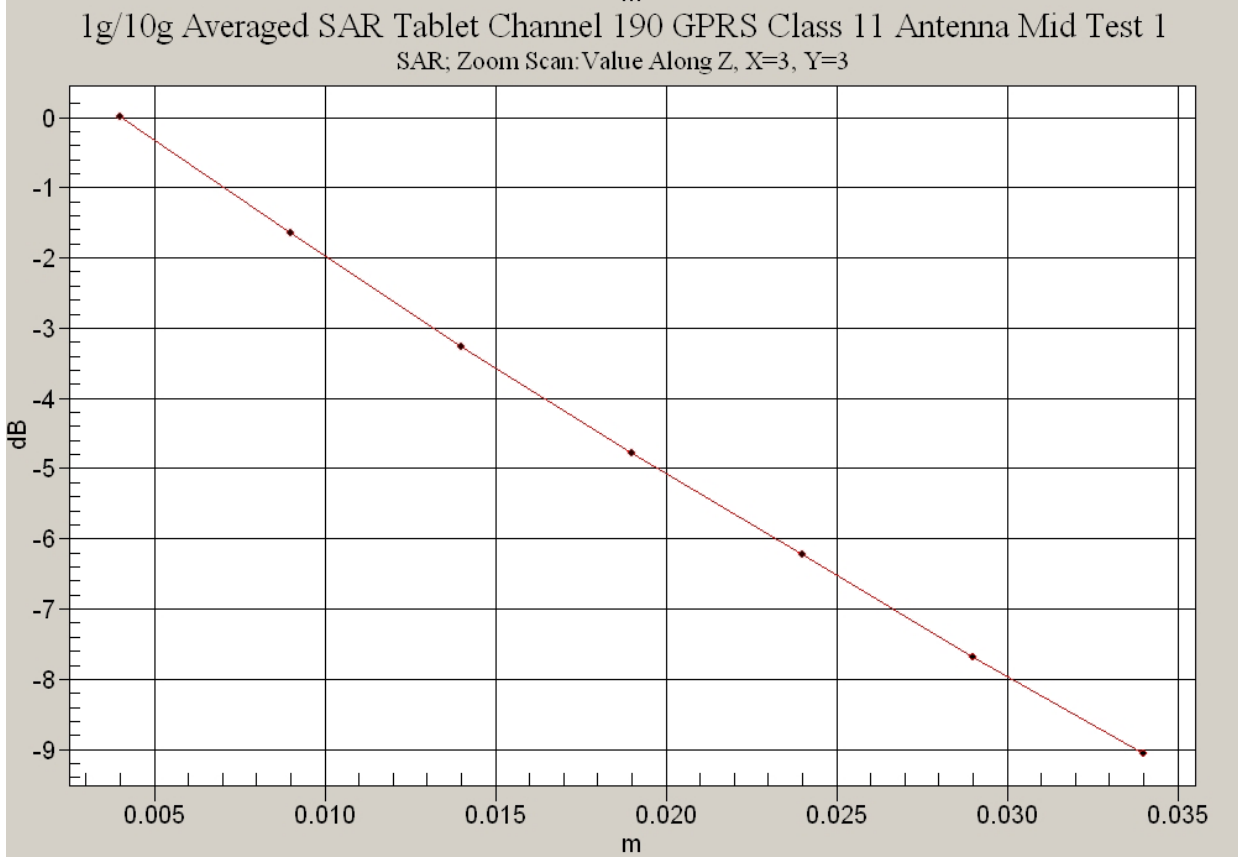
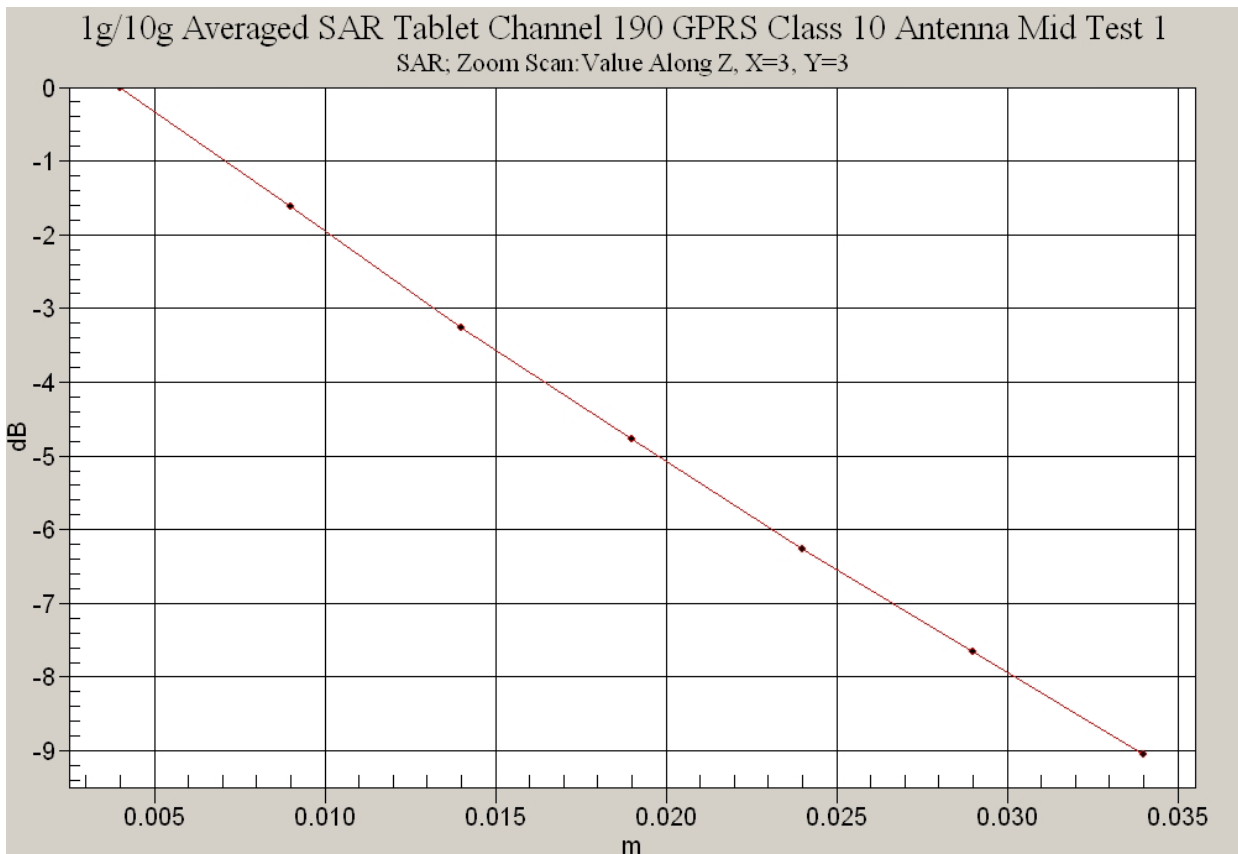
0 dB = 0.231mW/g

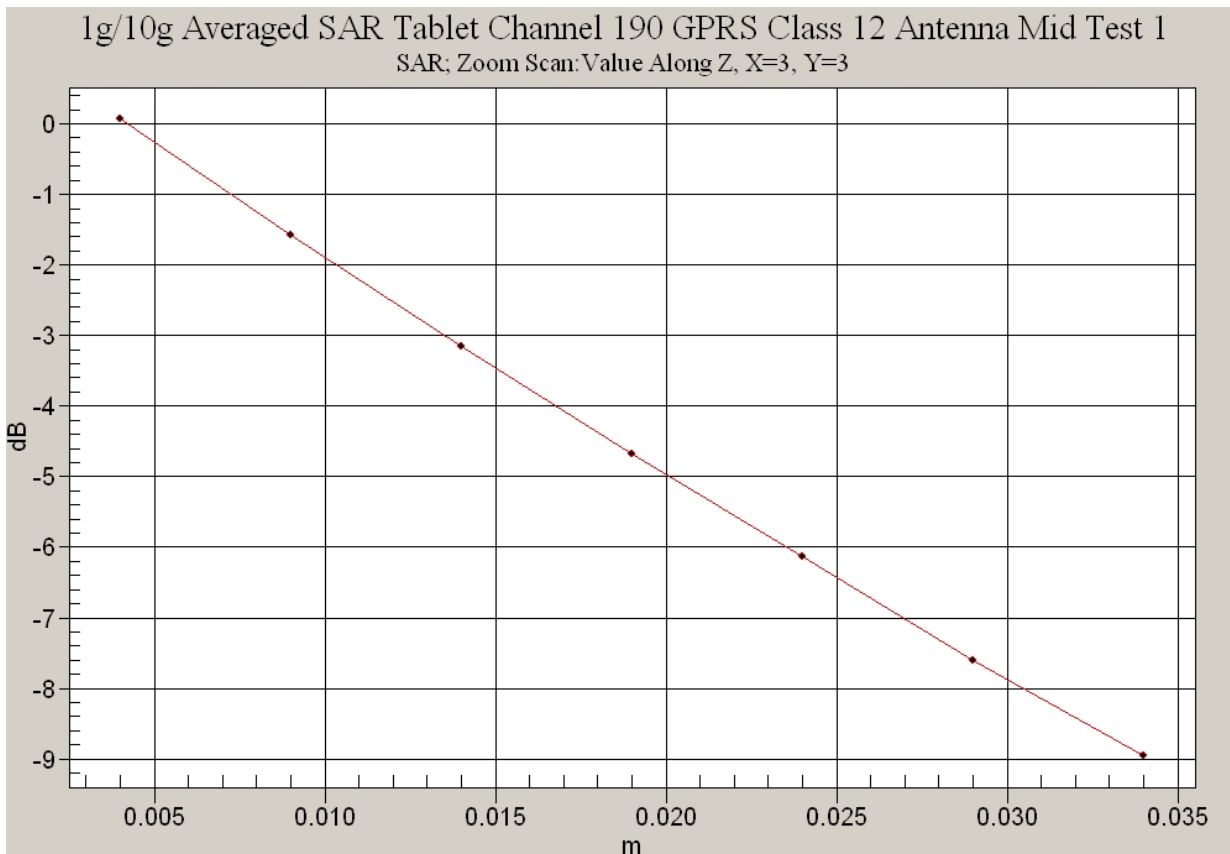
SAR MEASUREMENT PLOT 3

Ambient Temperature
Liquid Temperature
Humidity

20.5 Degrees Celsius
20.2 Degrees Celsius
35.0 %







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Test Date: 22 August 2008

File Name: 850 MHz GPRS Class 10 Tablet Antenna Out 22-08-08.da4

DUT: Fujitsu Tablet Cutlass with 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: $f = 824 \text{ MHz}$; $\sigma = 0.979 \text{ mho/m}$; $\epsilon_r = 54.5$; $\rho = 1000 \text{ kg/m}^3$

- 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 128 Test/Area Scan (81x91x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.577 mW/g

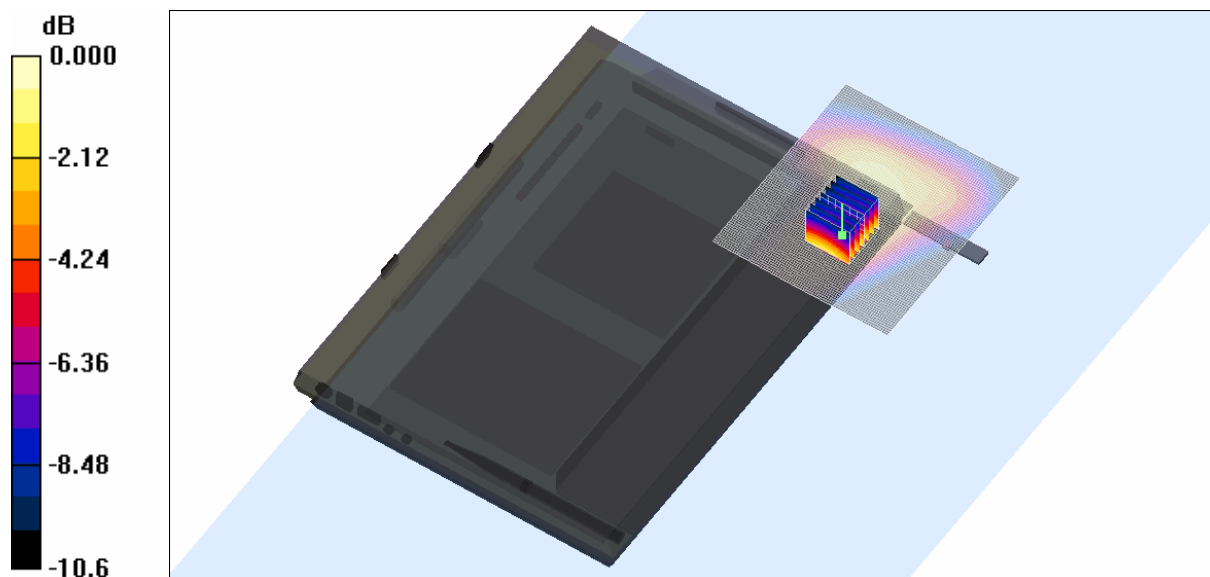
Channel 128 Test/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 16.3 V/m; Power Drift = -0.073 dB

Peak SAR (extrapolated) = 0.796 W/kg

SAR(1 g) = 0.528 mW/g; SAR(10 g) = 0.336 mW/g

Maximum value of SAR (measured) = 0.584 mW/g



0 dB = 0.584mW/g

SAR MEASUREMENT PLOT 4

Ambient Temperature
Liquid Temperature
Humidity

20.5 Degrees Celsius
20.2 Degrees Celsius
35.0 %



Test Date: 22 August 2008

File Name: 850 MHz GPRS Class 10 Tablet Antenna Out 22-08-08.da4

DUT: Fujitsu Tablet Cutlass with 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: $f = 836 \text{ MHz}$; $\sigma = 0.991 \text{ mho/m}$; $\epsilon_r = 54.4$; $\rho = 1000 \text{ kg/m}^3$

- 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 (81x91x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.511 mW/g

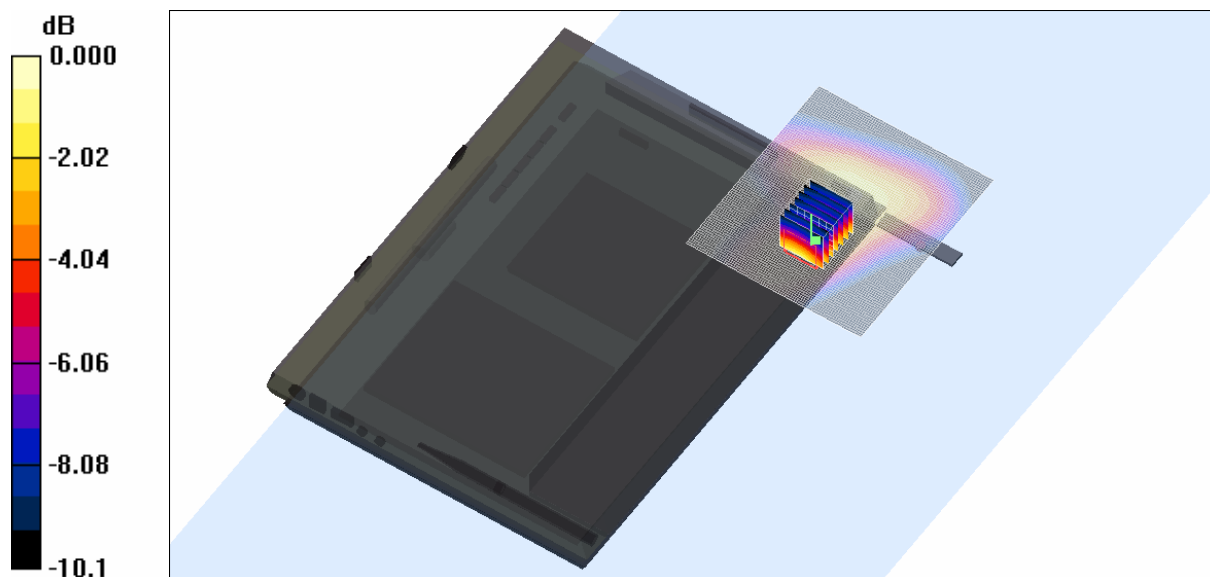
Channel 190 Test/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 16.1 V/m; Power Drift = 0.003 dB

Peak SAR (extrapolated) = 0.748 W/kg

SAR(1 g) = 0.493 mW/g; SAR(10 g) = 0.315 mW/g

Maximum value of SAR (measured) = 0.538 mW/g



SAR MEASUREMENT PLOT 5

Ambient Temperature
Liquid Temperature
Humidity

20.5 Degrees Celsius
20.2 Degrees Celsius
35.0 %



Test Date: 22 August 2008

File Name: 850 MHz GPRS Class 10 Tablet Antenna Out 22-08-08.da4

DUT: Fujitsu Tablet Cutlass with 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: $f = 848 \text{ MHz}$; $\sigma = 1 \text{ mho/m}$; $\epsilon_r = 54.3$; $\rho = 1000 \text{ kg/m}^3$

- 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 251 Test/Area Scan (81x91x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.524 mW/g

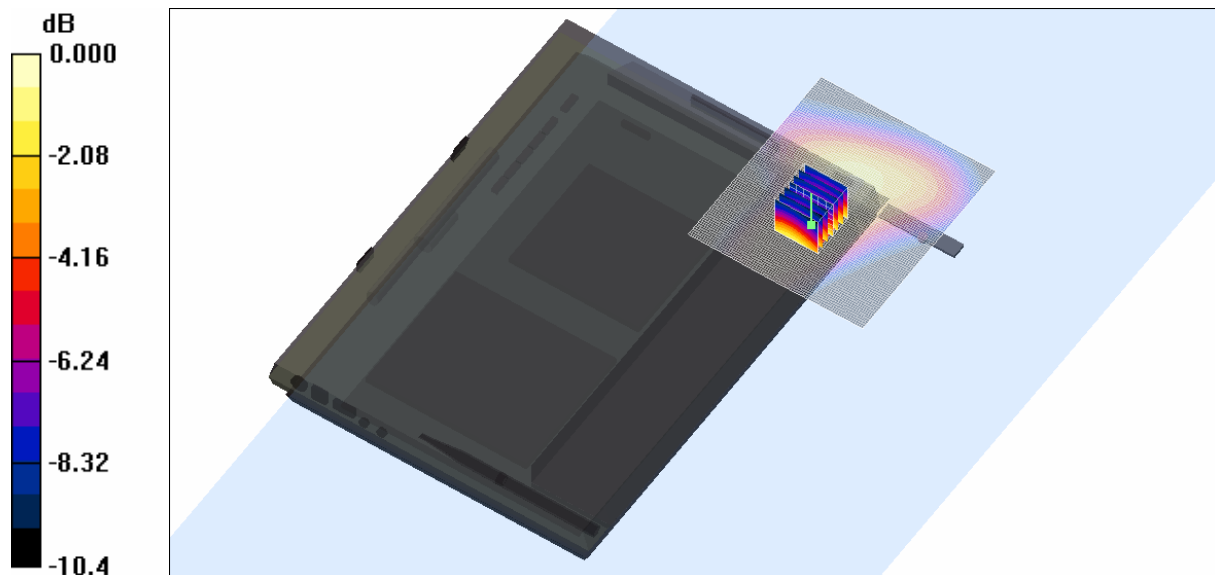
Channel 251 Test/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 16.8 V/m; Power Drift = -0.473 dB

Peak SAR (extrapolated) = 0.715 W/kg

SAR(1 g) = 0.484 mW/g; SAR(10 g) = 0.318 mW/g

Maximum value of SAR (measured) = 0.528 mW/g

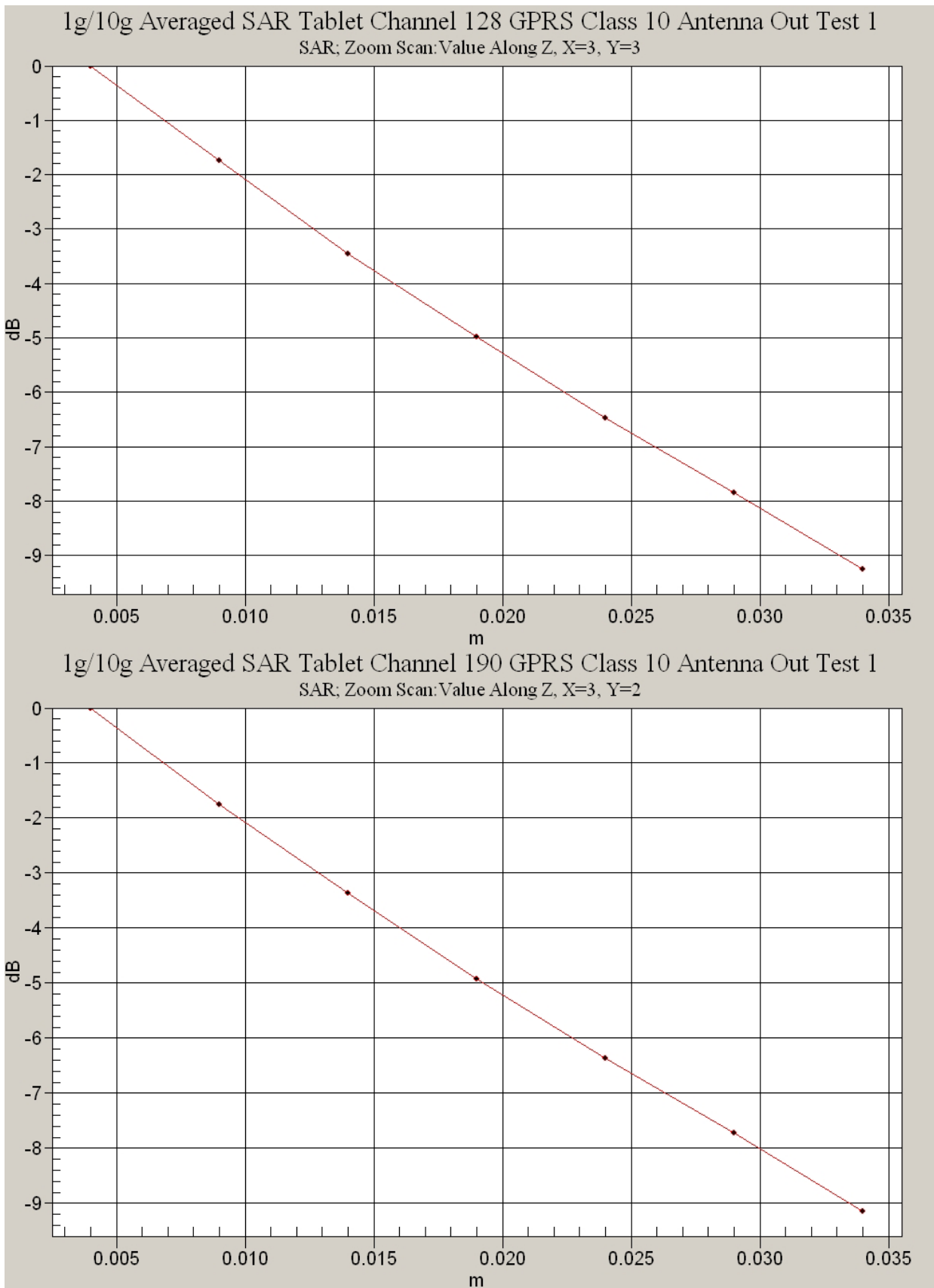


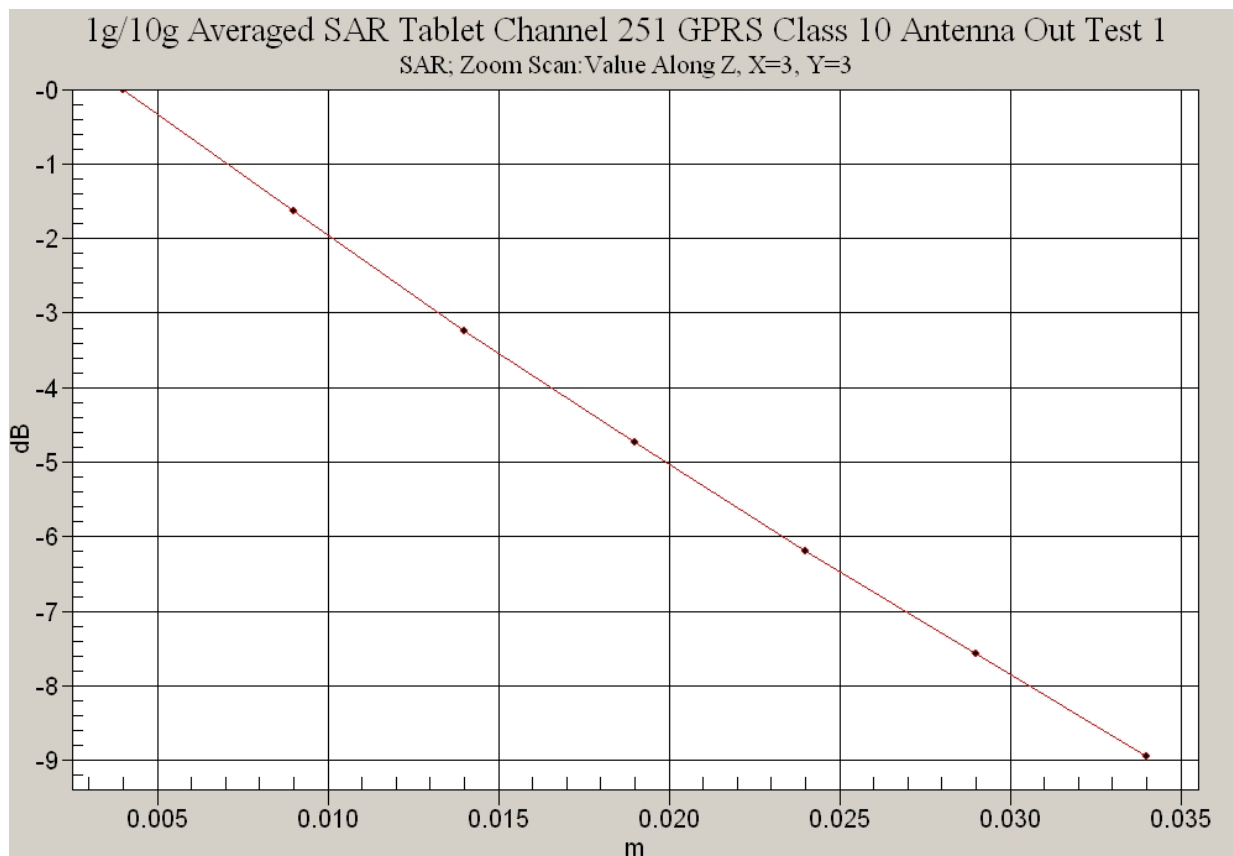
SAR MEASUREMENT PLOT 6

Ambient Temperature
Liquid Temperature
Humidity

20.5 Degrees Celsius
20.2 Degrees Celsius
35.0 %







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Test Date: 22 August 2008

File Name: 850 MHz 3G Tablet Antenna Mid 22-08-08.da4

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

* Communication System: 850 MHz 3G; Frequency: 836.6 MHz; Duty Cycle: 1:1

* Medium parameters used: $f = 836 \text{ MHz}$; $\sigma = 0.991 \text{ mho/m}$; $\epsilon_r = 54.4$; $\rho = 1000 \text{ kg/m}^3$

- 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=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.237 mW/g

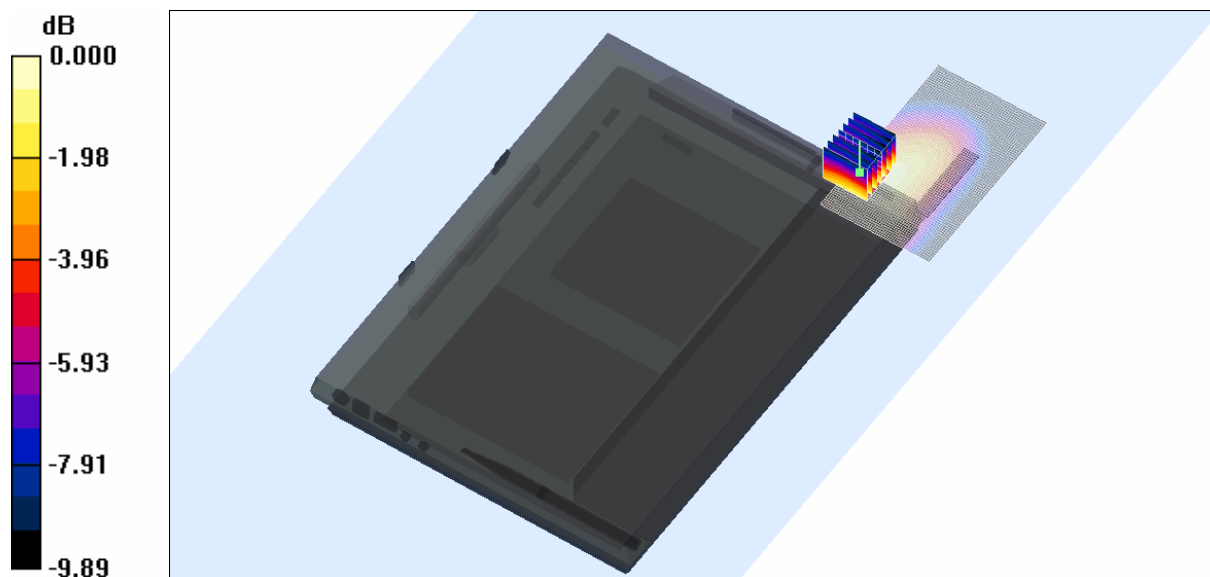
Channel 4183 Test/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 10.9 V/m; Power Drift = -0.003 dB

Peak SAR (extrapolated) = 0.318 W/kg

SAR(1 g) = 0.230 mW/g; SAR(10 g) = 0.156 mW/g

Maximum value of SAR (measured) = 0.248 mW/g



SAR MEASUREMENT PLOT 7

Ambient Temperature
Liquid Temperature
Humidity

20.5 Degrees Celsius
20.2 Degrees Celsius
35.0 %



Test Date: 22 August 2008

File Name: 850 MHz 3G Tablet Antenna Out 22-08-08.da4

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

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

* Medium parameters used: $f = 828 \text{ MHz}$; $\sigma = 0.982 \text{ mho/m}$; $\epsilon_r = 54.5$; $\rho = 1000 \text{ kg/m}^3$

- 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 (81x91x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.272 mW/g

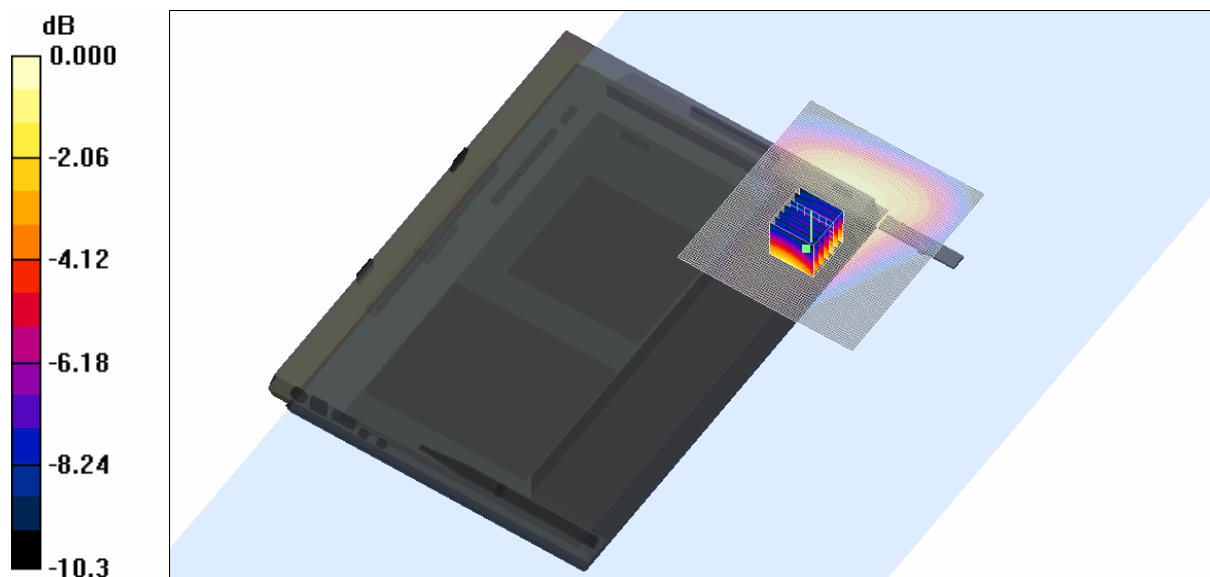
Channel 4132 Test/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 11.5 V/m; Power Drift = 0.026 dB

Peak SAR (extrapolated) = 0.389 W/kg

SAR(1 g) = 0.260 mW/g; SAR(10 g) = 0.167 mW/g

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



SAR MEASUREMENT PLOT 8

Ambient Temperature
Liquid Temperature
Humidity

20.5 Degrees Celsius
20.2 Degrees Celsius
35.0 %



Test Date: 22 August 2008

File Name: 850 MHz 3G Tablet Antenna Out 22-08-08.da4

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

* Communication System: 850 MHz 3G; Frequency: 836.6 MHz; Duty Cycle: 1:1

* Medium parameters used: $f = 836 \text{ MHz}$; $\sigma = 0.991 \text{ mho/m}$; $\epsilon_r = 54.4$; $\rho = 1000 \text{ kg/m}^3$

- 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 (81x51x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.280 mW/g

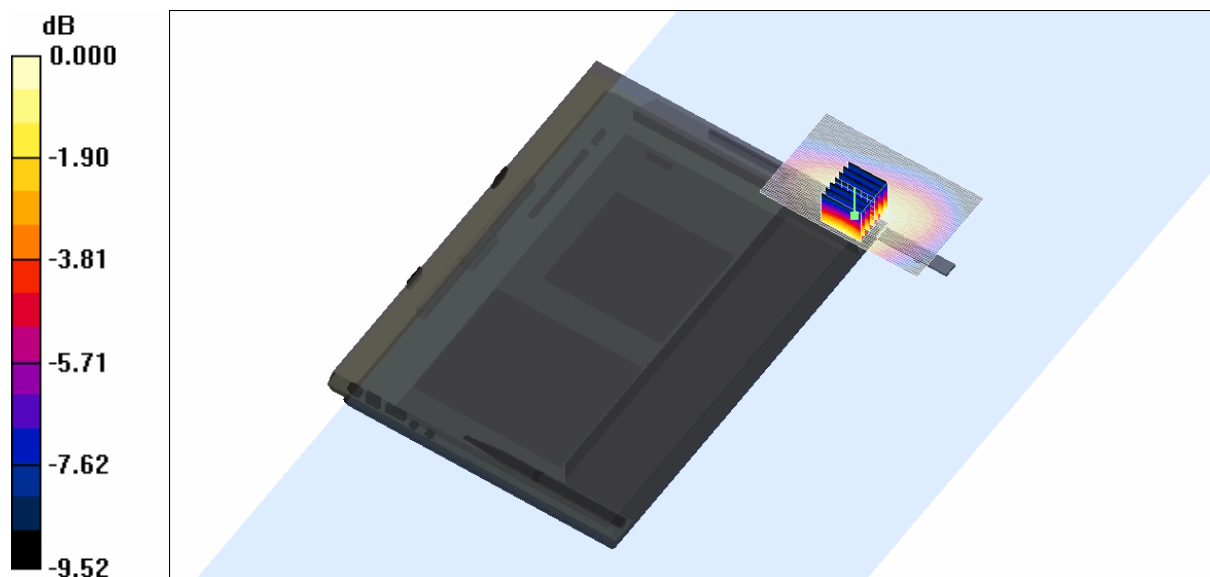
Channel 4183 Test/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 13.0 V/m; Power Drift = -0.008 dB

Peak SAR (extrapolated) = 0.391 W/kg

SAR(1 g) = 0.265 mW/g; SAR(10 g) = 0.180 mW/g

Maximum value of SAR (measured) = 0.287 mW/g



SAR MEASUREMENT PLOT 9

Ambient Temperature
Liquid Temperature
Humidity

20.5 Degrees Celsius
20.2 Degrees Celsius
35.0 %



Test Date: 22 August 2008

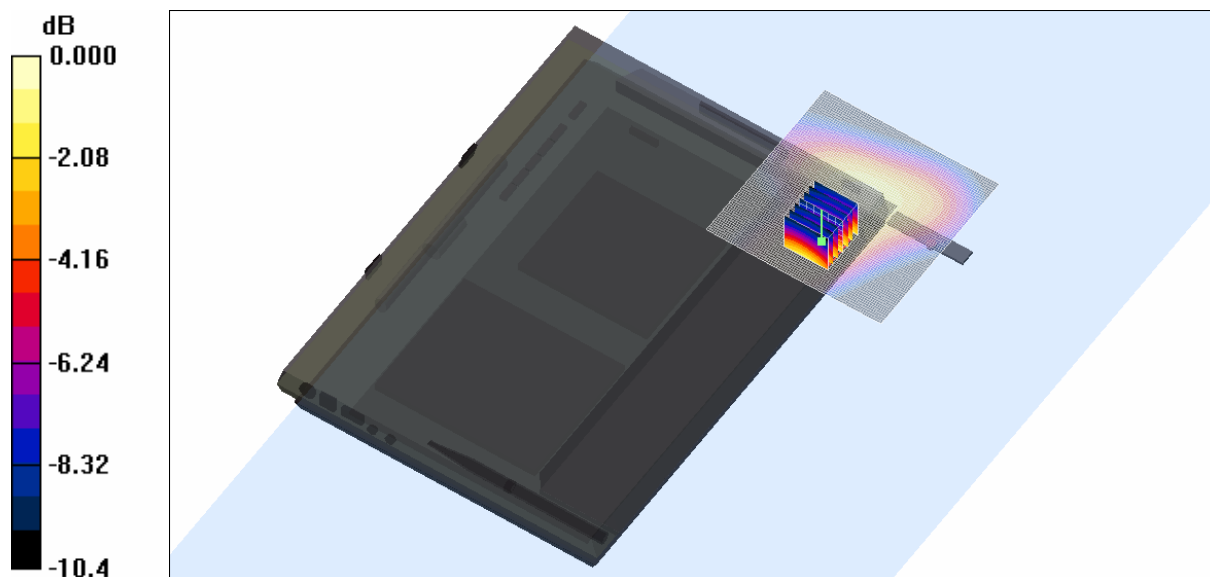
File Name: 850 MHz 3G Tablet Antenna Out 22-08-08.da4

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

- * Communication System: 850 MHz 3G; Frequency: 846.6 MHz; Duty Cycle: 1:1
- * Medium parameters used: $f = 848 \text{ MHz}$; $\sigma = 1 \text{ mho/m}$; $\epsilon_r = 54.3$; $\rho = 1000 \text{ kg/m}^3$
- 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 4233 Test/Area Scan (81x81x1): Measurement grid: dx=15mm, dy=15mm
 Maximum value of SAR (interpolated) = 0.346 mW/g

Channel 4233 Test/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
 Reference Value = 13.1 V/m; Power Drift = -0.117 dB
 Peak SAR (extrapolated) = 0.469 W/kg
SAR(1 g) = 0.310 mW/g; SAR(10 g) = 0.199 mW/g
 Maximum value of SAR (measured) = 0.347 mW/g



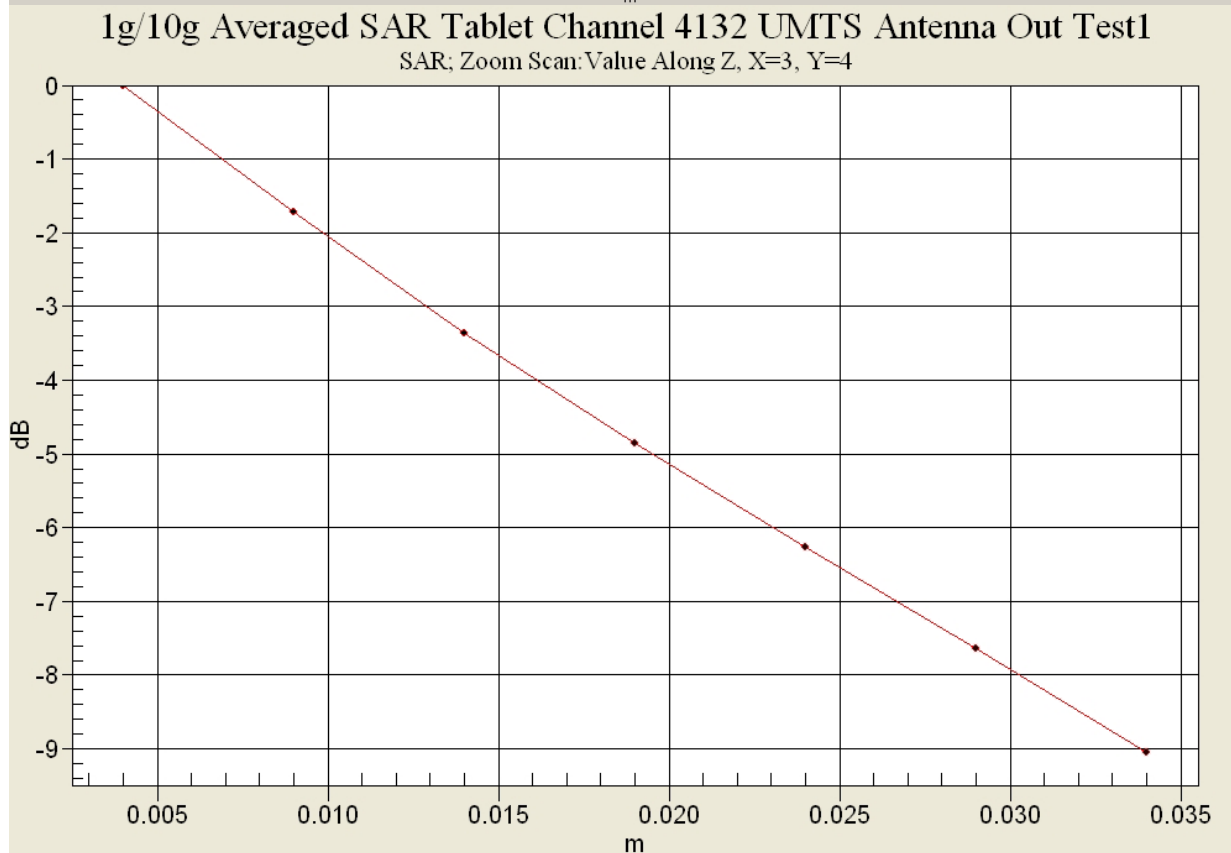
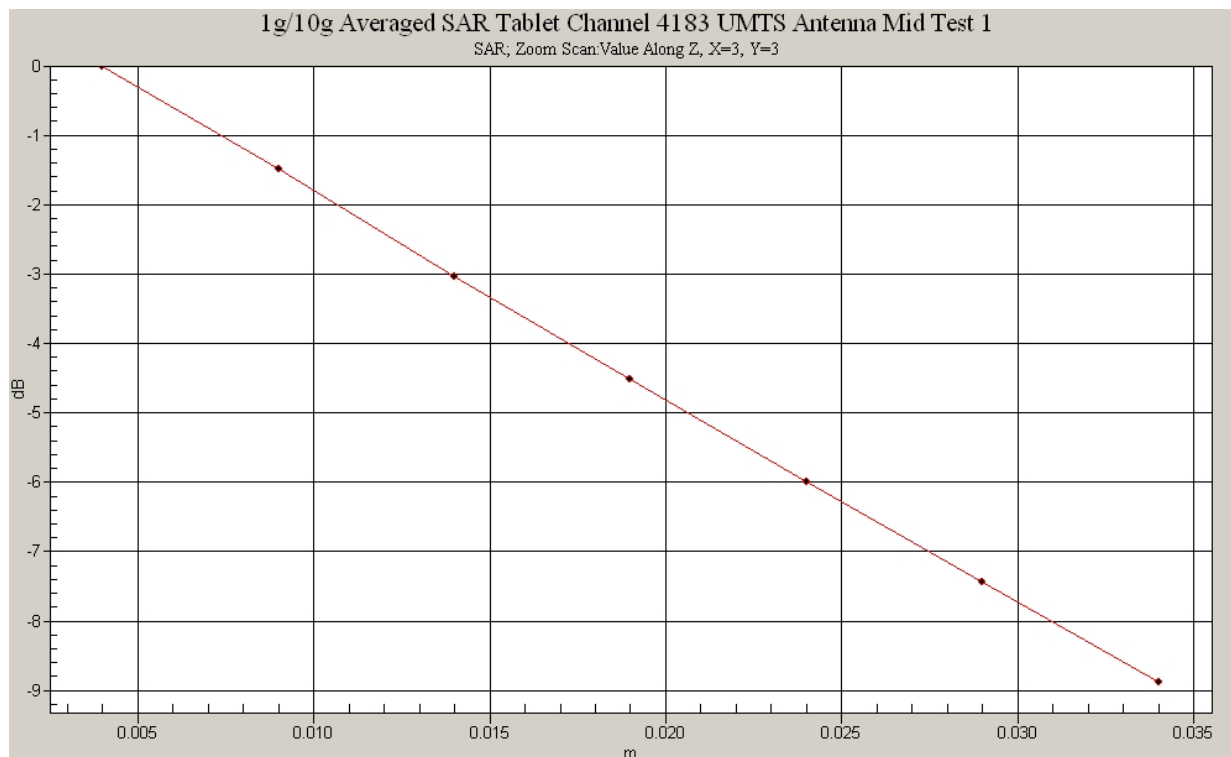
0 dB = 0.347mW/g

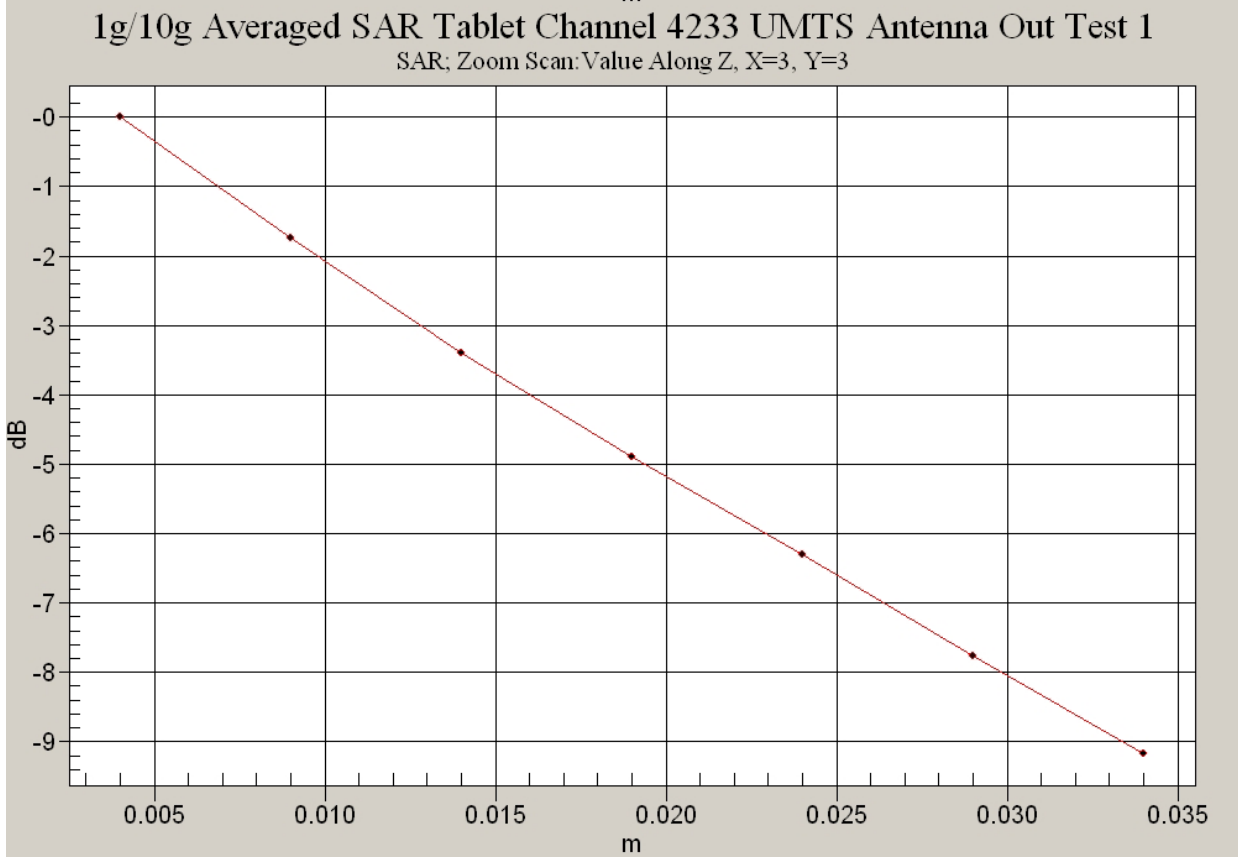
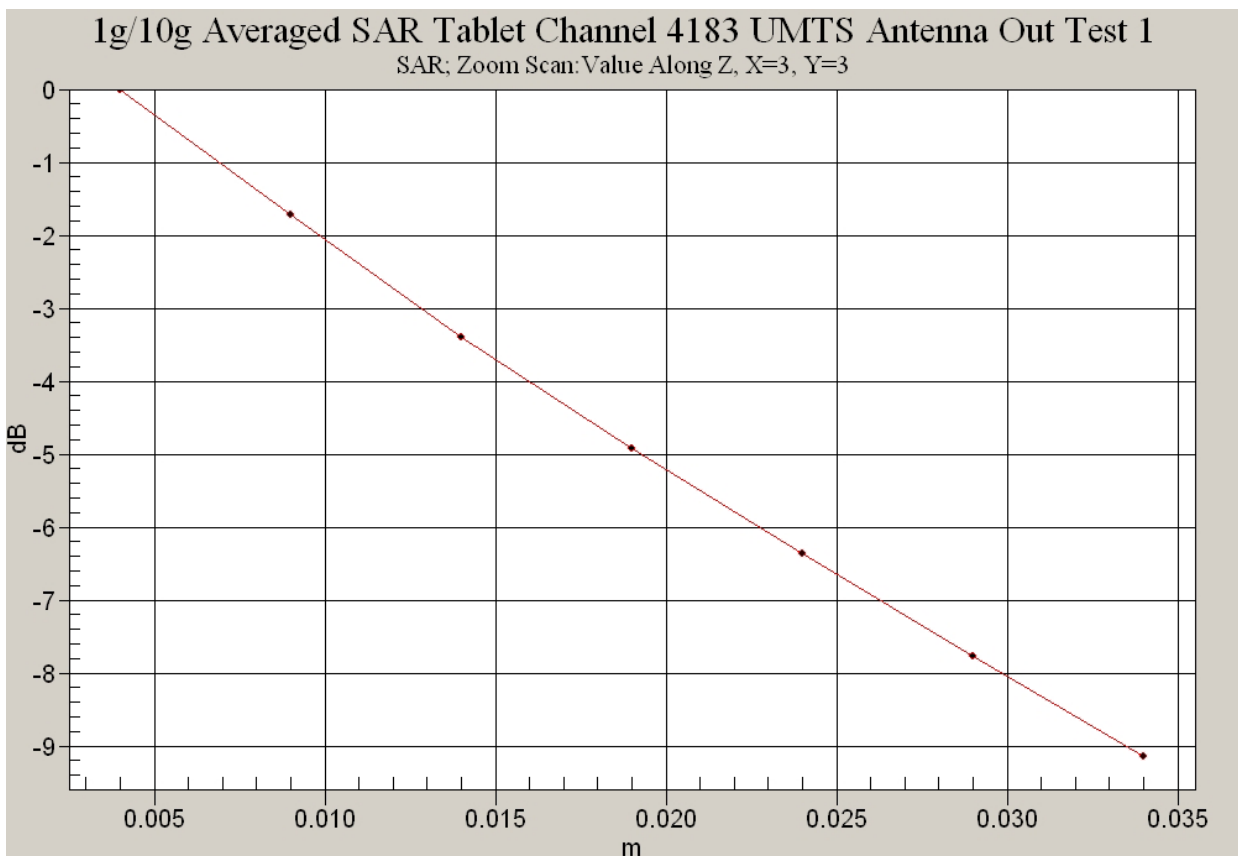
SAR MEASUREMENT PLOT 10

Ambient Temperature
 Liquid Temperature
 Humidity

20.5 Degrees Celsius
 20.2 Degrees Celsius
 35.0 %







Test Date: 21 August 2008

File Name: 1900 MHz GPRS Class 10 Tablet Antenna Mid 21-08-08.da4

DUT: Fujitsu Tablet Cutlass with 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: $f = 1880.6 \text{ MHz}$; $\sigma = 1.48 \text{ mho/m}$; $\epsilon_r = 51.3$; $\rho = 1000 \text{ kg/m}^3$

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

Maximum value of SAR (interpolated) = 0.325 mW/g

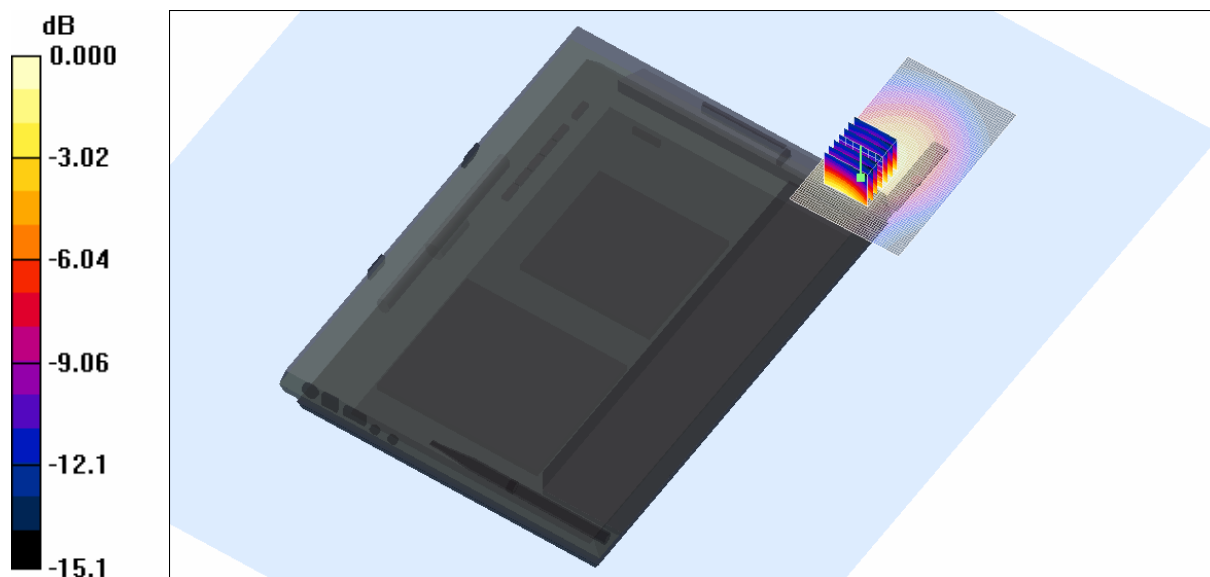
Channel 661 Test/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 9.65 V/m; Power Drift = -0.050 dB

Peak SAR (extrapolated) = 0.561 W/kg

SAR(1 g) = 0.312 mW/g; SAR(10 g) = 0.182 mW/g

Maximum value of SAR (measured) = 0.338 mW/g



SAR MEASUREMENT PLOT 11

Ambient Temperature
Liquid Temperature
Humidity

20.0 Degrees Celsius
19.8 Degrees Celsius
36.0 %



Test Date: 21 August 2008

File Name: 1900 MHz GPRS Class 11 Tablet Antenna Mid 21-08-08.da4

DUT: Fujitsu Tablet Cutlass with 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: $f = 1880.6 \text{ MHz}$; $\sigma = 1.48 \text{ mho/m}$; $\epsilon_r = 51.3$; $\rho = 1000 \text{ kg/m}^3$

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

Maximum value of SAR (interpolated) = 0.487 mW/g

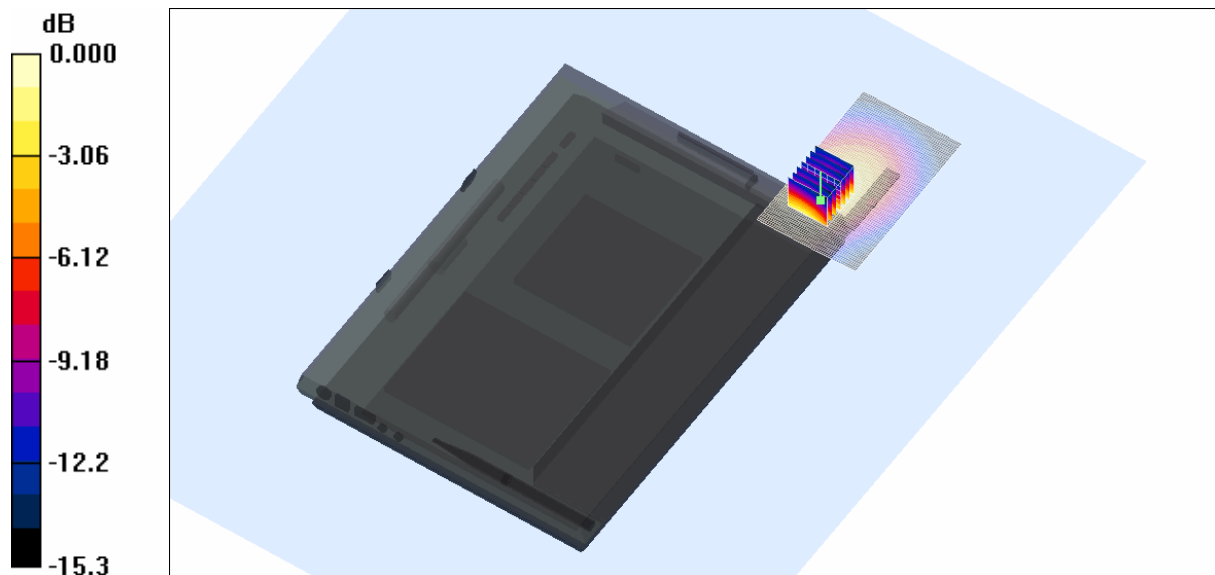
Channel 661 Test/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 11.7 V/m; Power Drift = -0.032 dB

Peak SAR (extrapolated) = 0.850 W/kg

SAR(1 g) = 0.469 mW/g; SAR(10 g) = 0.271 mW/g

Maximum value of SAR (measured) = 0.511 mW/g



SAR MEASUREMENT PLOT 12

Ambient Temperature
Liquid Temperature
Humidity

20.0 Degrees Celsius
19.8 Degrees Celsius
36.0 %



Test Date: 21 August 2008

File Name: 1900 MHz GPRS Class 12 Tablet Antenna Mid 21-08-08.da4

DUT: Fujitsu Tablet Cutlass with 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: $f = 1880.6$ MHz; $\sigma = 1.48$ mho/m; $\epsilon_r = 51.3$; $\rho = 1000$ 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 (51x81x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.637 mW/g

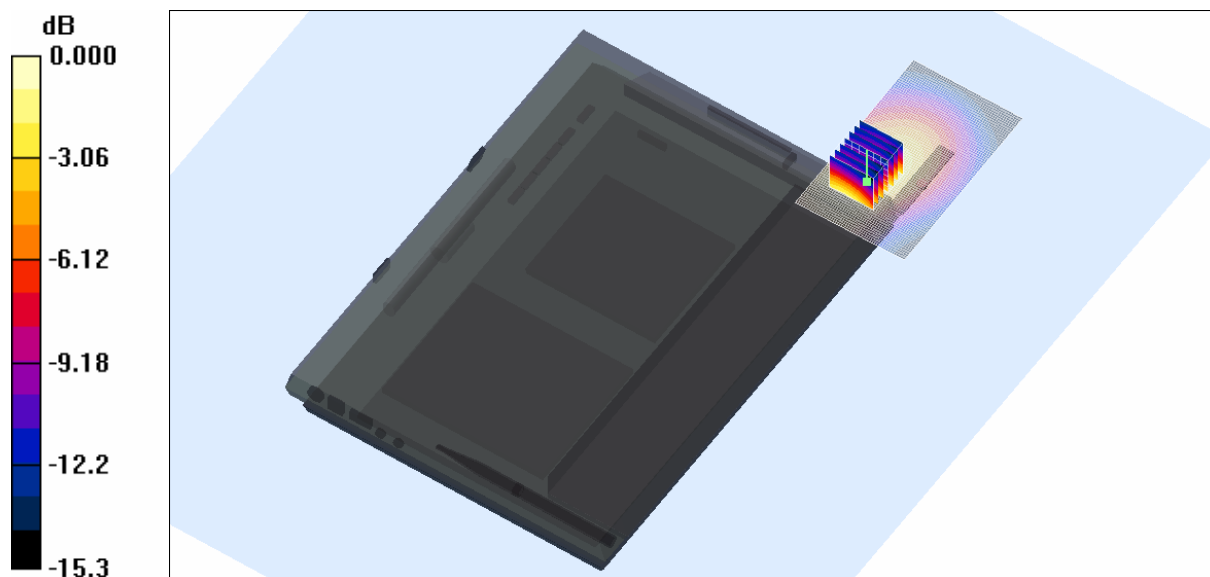
Channel 661 Test/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 13.5 V/m; Power Drift = -0.010 dB

Peak SAR (extrapolated) = 1.14 W/kg

SAR(1 g) = 0.620 mW/g; SAR(10 g) = 0.356 mW/g

Maximum value of SAR (measured) = 0.671 mW/g

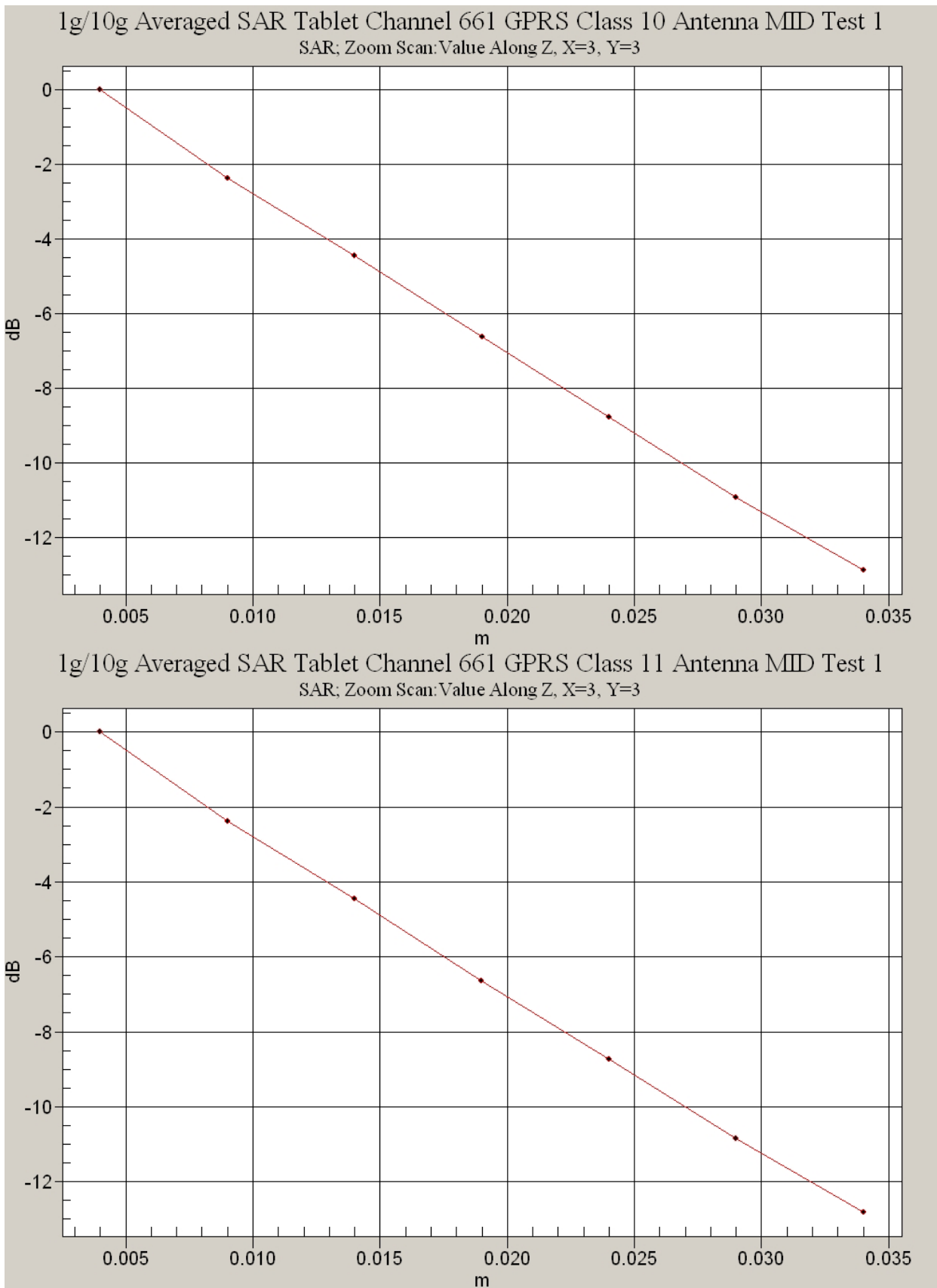


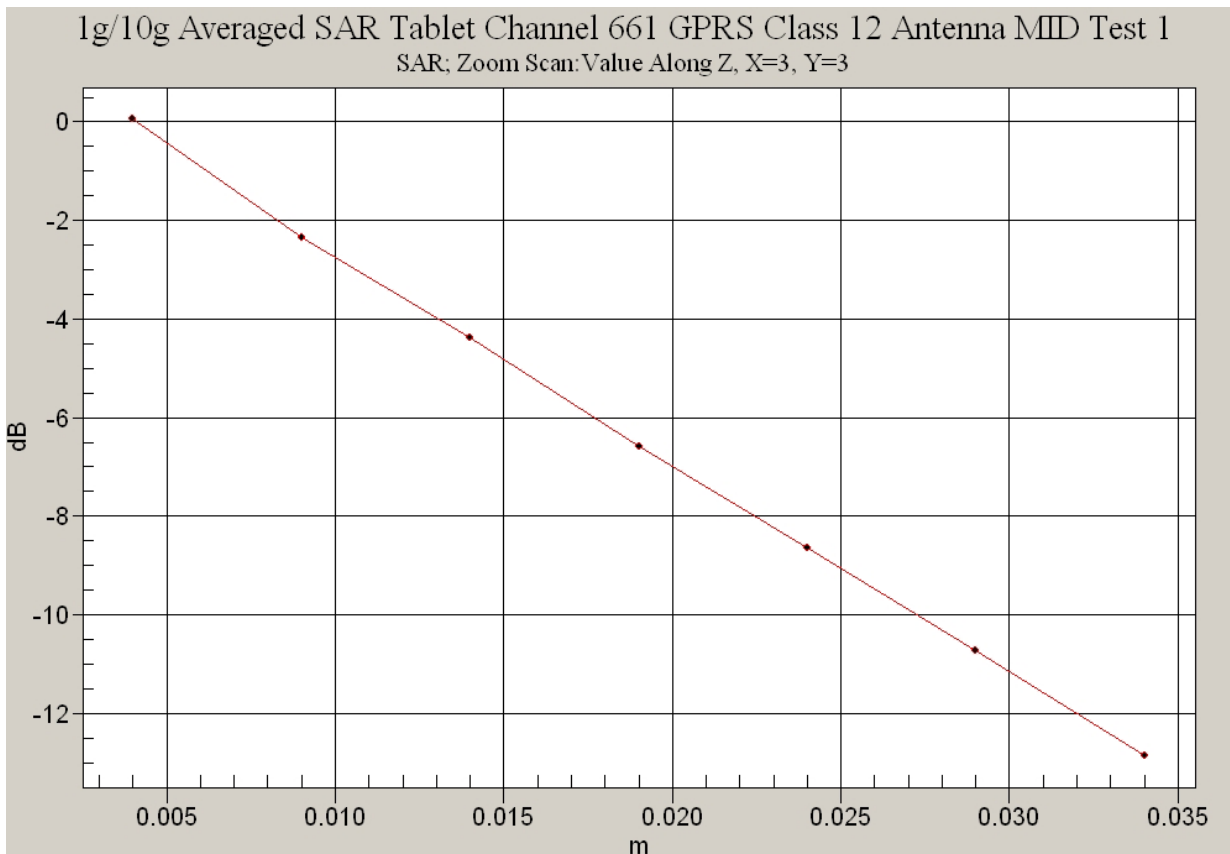
SAR MEASUREMENT PLOT 13

Ambient Temperature
Liquid Temperature
Humidity

20.0 Degrees Celsius
19.8 Degrees Celsius
36.0 %







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Test Date: 21 August 2008

File Name: 1900 MHz GPRS Class 12 Tablet Antenna In 21-08-08.da4

DUT: Fujitsu Tablet Cutlass with 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: $f = 1880.6 \text{ MHz}$; $\sigma = 1.48 \text{ mho/m}$; $\epsilon_r = 51.3$; $\rho = 1000 \text{ kg/m}^3$

- 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 (81x51x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.103 mW/g

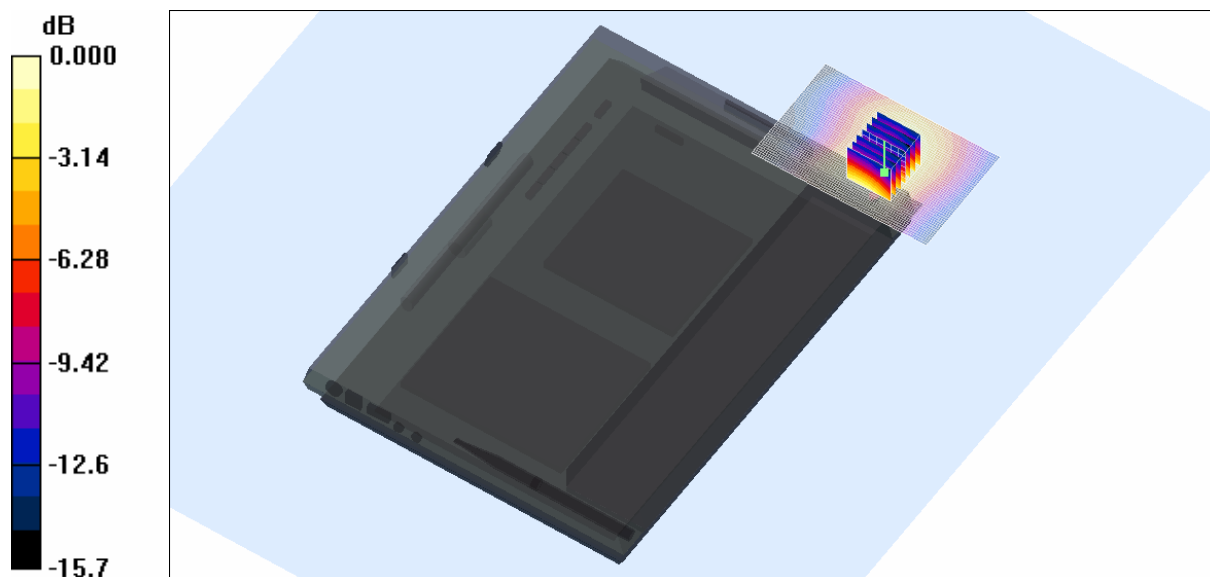
Channel 661 Test/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 7.04 V/m; Power Drift = -0.080 dB

Peak SAR (extrapolated) = 0.180 W/kg

SAR(1 g) = 0.098 mW/g; SAR(10 g) = 0.057 mW/g

Maximum value of SAR (measured) = 0.106 mW/g



SAR MEASUREMENT PLOT 14

Ambient Temperature
Liquid Temperature
Humidity

20.0 Degrees Celsius
19.8 Degrees Celsius
36.0 %



Test Date: 21 August 2008

File Name: 1900 MHz GPRS Class 12 Tablet Antenna Out 21-08-08.da4

DUT: Fujitsu Tablet Cutlass with 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: $f = 1851.2$ MHz; $\sigma = 1.46$ mho/m; $\epsilon_r = 51.4$; $\rho = 1000$ 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 (81x51x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.850 mW/g

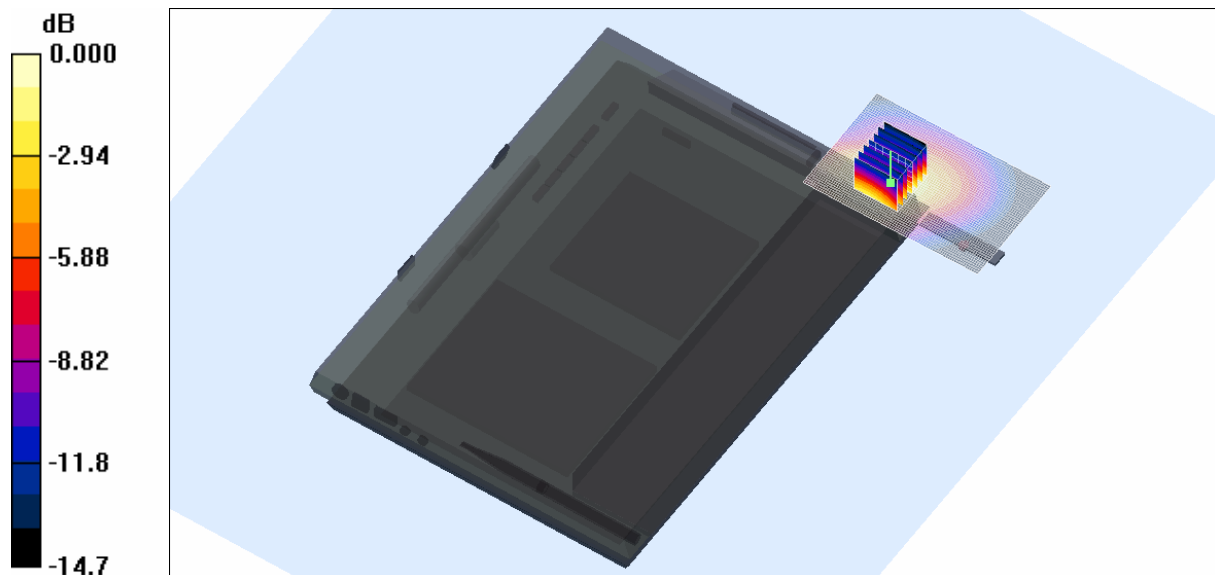
Channel 512 Test/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 10.8 V/m; Power Drift = -0.059 dB

Peak SAR (extrapolated) = 1.43 W/kg

SAR(1 g) = 0.794 mW/g; SAR(10 g) = 0.453 mW/g

Maximum value of SAR (measured) = 0.875 mW/g



0 dB = 0.875mW/g

SAR MEASUREMENT PLOT 15

Ambient Temperature
Liquid Temperature
Humidity

20.0 Degrees Celsius
19.8 Degrees Celsius
36.0 %



Test Date: 21 August 2008

File Name: 1900 MHz GPRS Class 12 Tablet Antenna Out 21-08-08.da4

DUT: Fujitsu Tablet Cutlass with 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: $f = 1880.6 \text{ MHz}$; $\sigma = 1.48 \text{ mho/m}$; $\epsilon_r = 51.3$; $\rho = 1000 \text{ kg/m}^3$

- 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 (81x51x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.803 mW/g

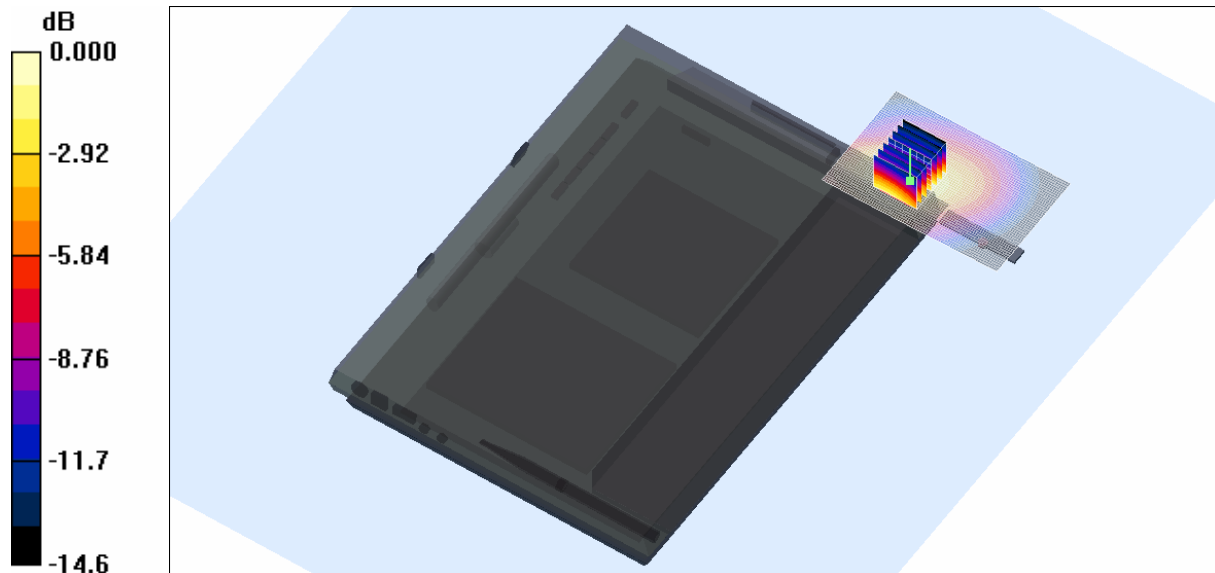
Channel 661 Test/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 11.2 V/m; Power Drift = -0.016 dB

Peak SAR (extrapolated) = 1.32 W/kg

SAR(1 g) = 0.742 mW/g; SAR(10 g) = 0.429 mW/g

Maximum value of SAR (measured) = 0.814 mW/g



0 dB = 0.814mW/g

SAR MEASUREMENT PLOT 16

Ambient Temperature
Liquid Temperature
Humidity

20.0 Degrees Celsius
19.8 Degrees Celsius
36.0 %



Test Date: 21 August 2008

File Name: 1900 MHz GPRS Class 12 Tablet Antenna Out 21-08-08.da4

DUT: Fujitsu Tablet Cutlass with 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: $f = 1910$ MHz; $\sigma = 1.5$ mho/m; $\epsilon_r = 51.3$; $\rho = 1000$ 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 (81x51x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.737 mW/g

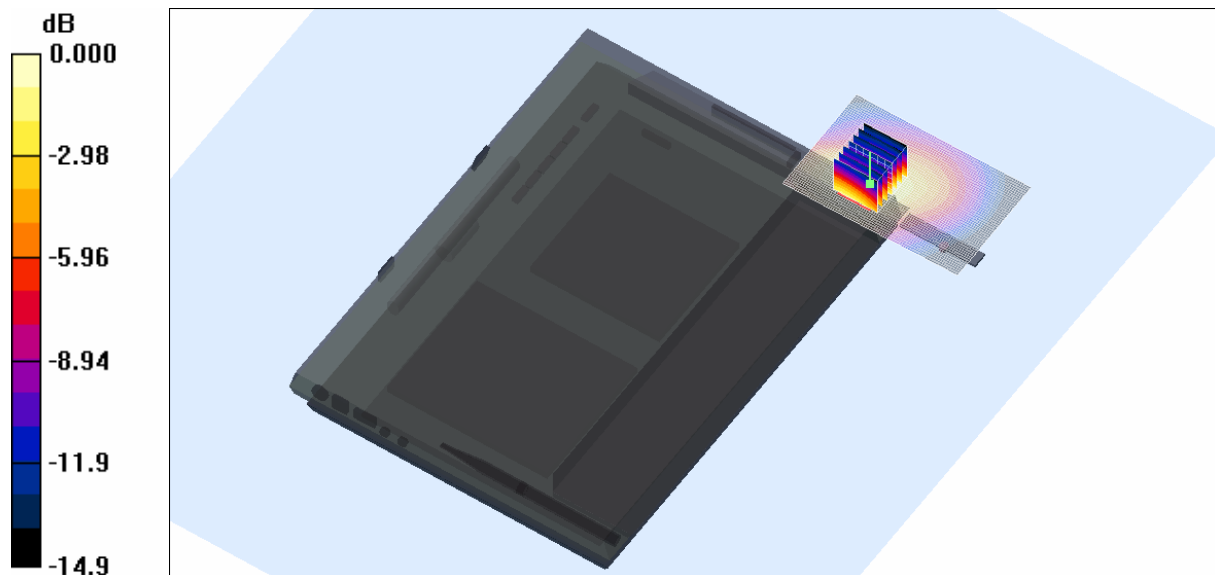
Channel 810 Test/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 10.9 V/m; Power Drift = -0.030 dB

Peak SAR (extrapolated) = 1.24 W/kg

SAR(1 g) = 0.680 mW/g; SAR(10 g) = 0.392 mW/g

Maximum value of SAR (measured) = 0.744 mW/g



SAR MEASUREMENT PLOT 17

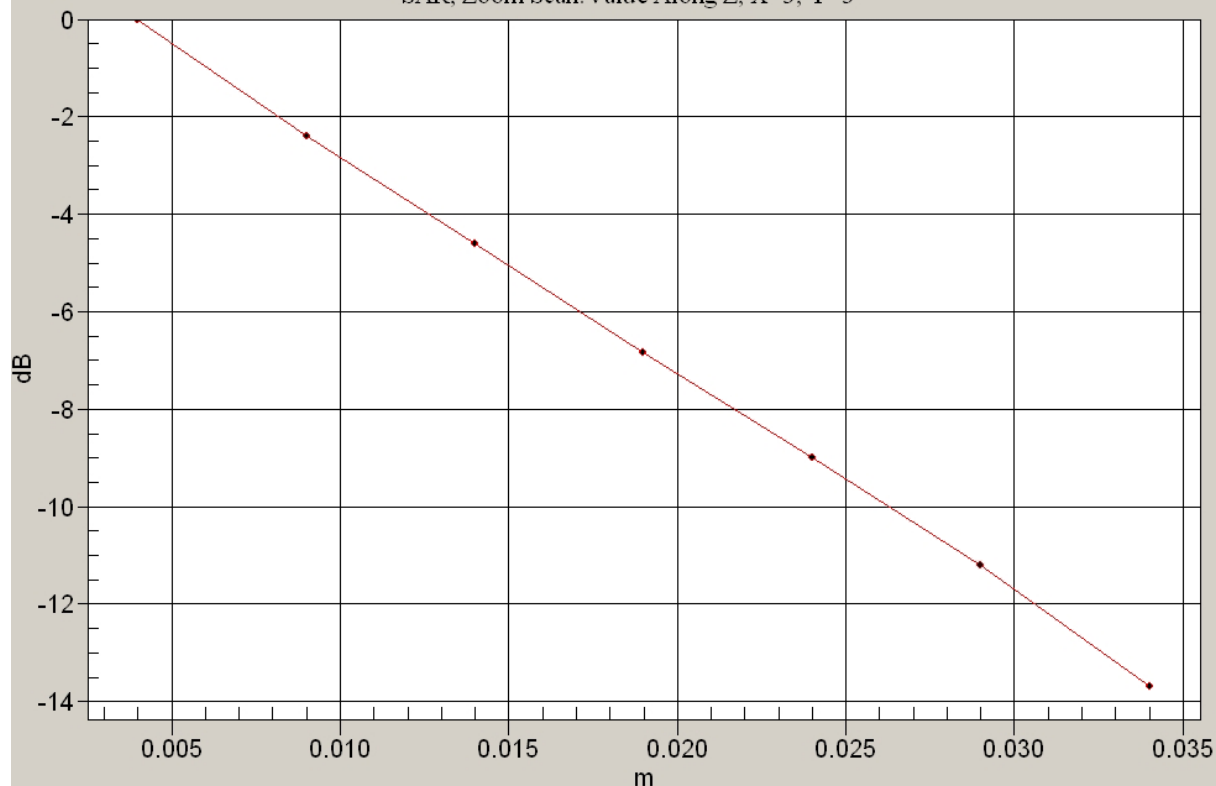
Ambient Temperature
Liquid Temperature
Humidity

20.0 Degrees Celsius
19.8 Degrees Celsius
36.0 %



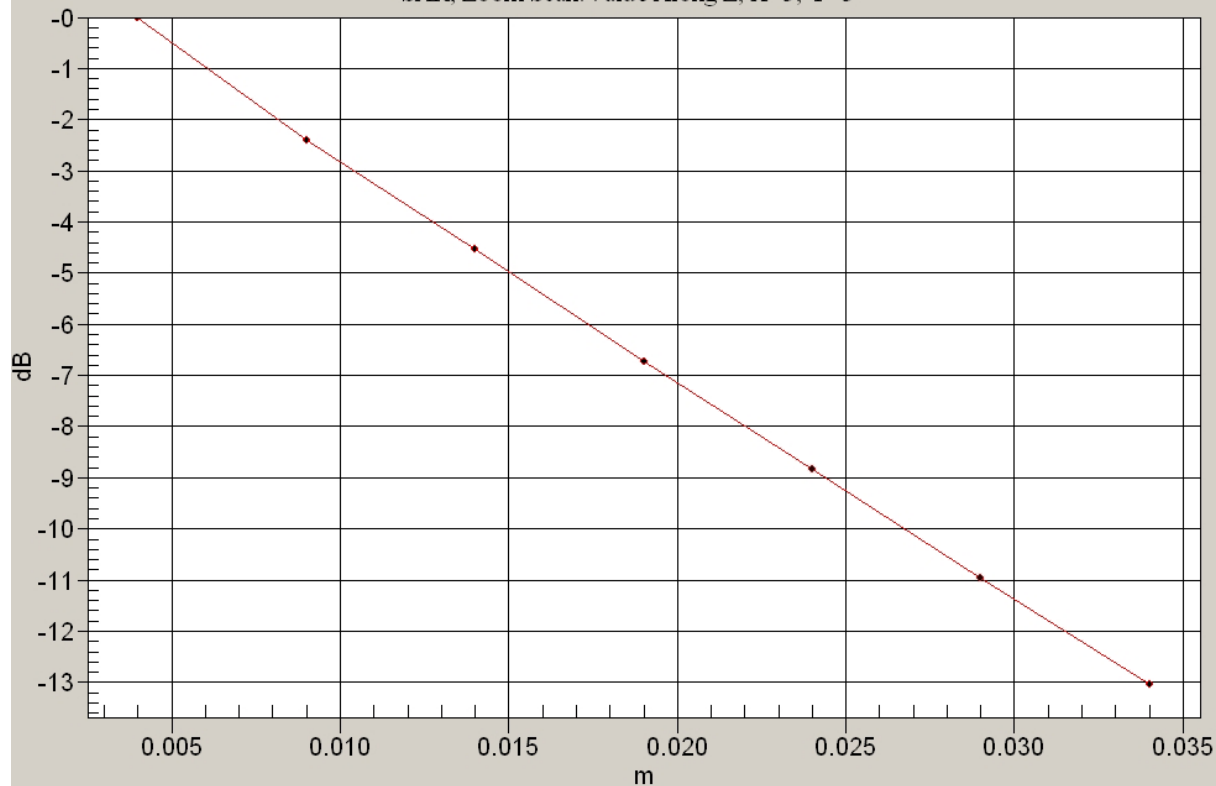
1g/10g Averaged SAR Tablet Channel 661 GPRS Class 12 Antenna In Test 1

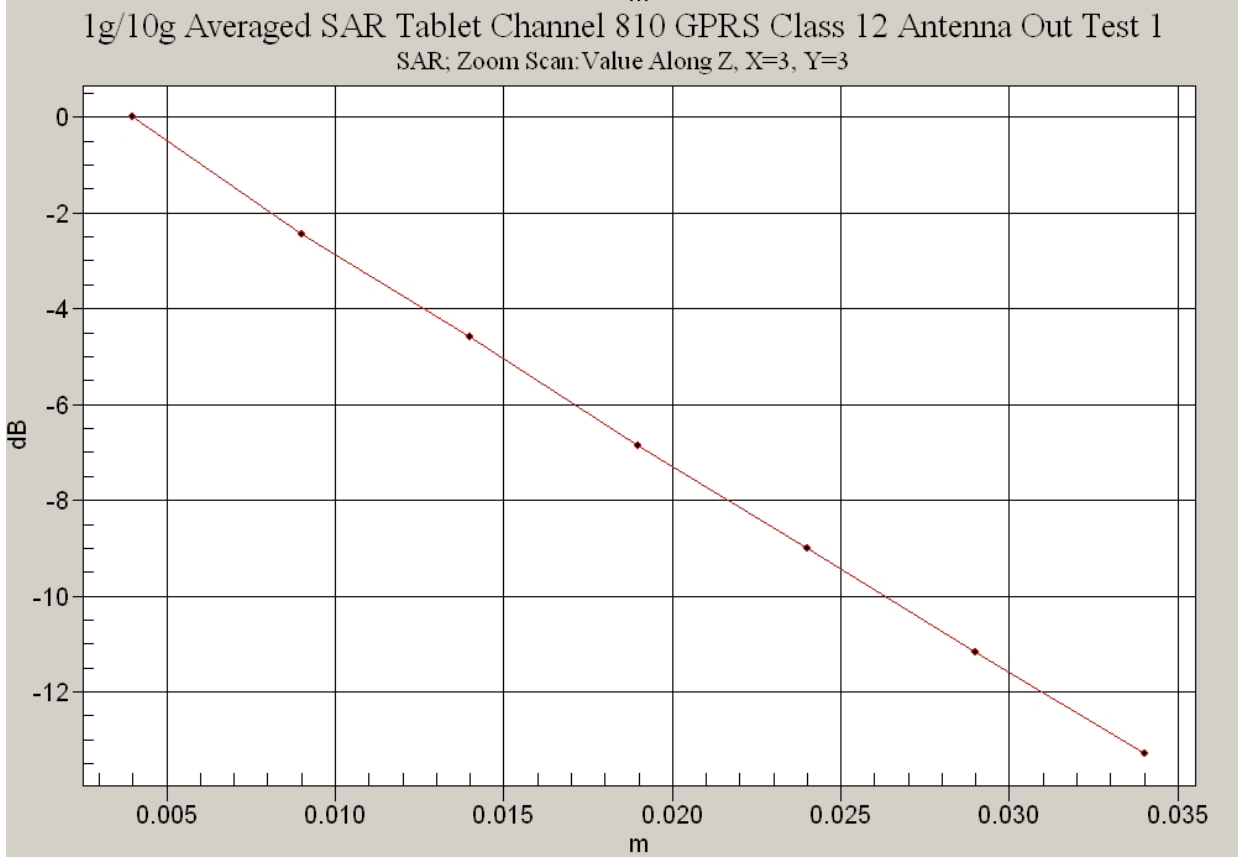
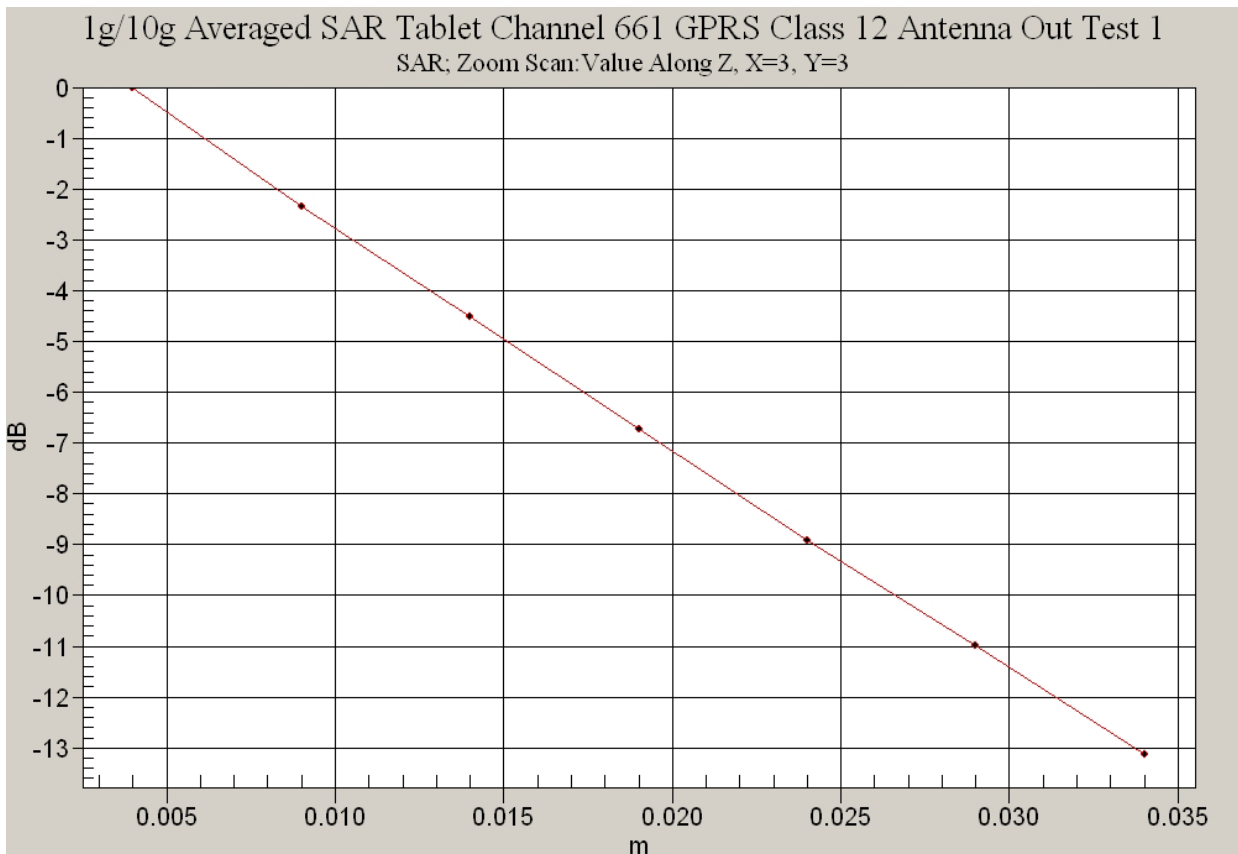
SAR; Zoom Scan: Value Along Z, X=3, Y=3



1g/10g Averaged SAR Tablet Channel 512 GPRS Class 12 Antenna Out Test 1

SAR; Zoom Scan: Value Along Z, X=3, Y=3





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Test Date: 21 August 2008

File Name: 1900 MHz 3G Tablet Antenna In 21-08-08.da4

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

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

* Medium parameters used: $f = 1880.6$ MHz; $\sigma = 1.48$ mho/m; $\epsilon_r = 51.3$; $\rho = 1000$ 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 (81x51x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.079 mW/g

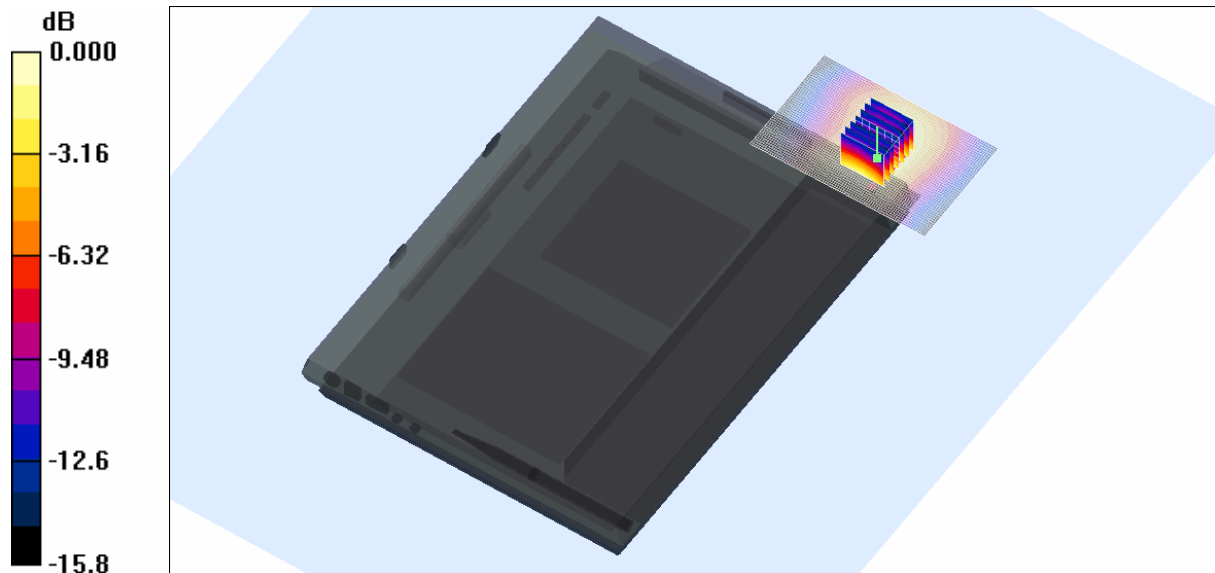
Channel 9400 Test/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 6.74 V/m; Power Drift = -0.148 dB

Peak SAR (extrapolated) = 0.147 W/kg

SAR(1 g) = 0.078 mW/g; SAR(10 g) = 0.045 mW/g

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



SAR MEASUREMENT PLOT 18

Ambient Temperature
Liquid Temperature
Humidity

20.0 Degrees Celsius
19.8 Degrees Celsius
36.0 %



Test Date: 21 August 2008

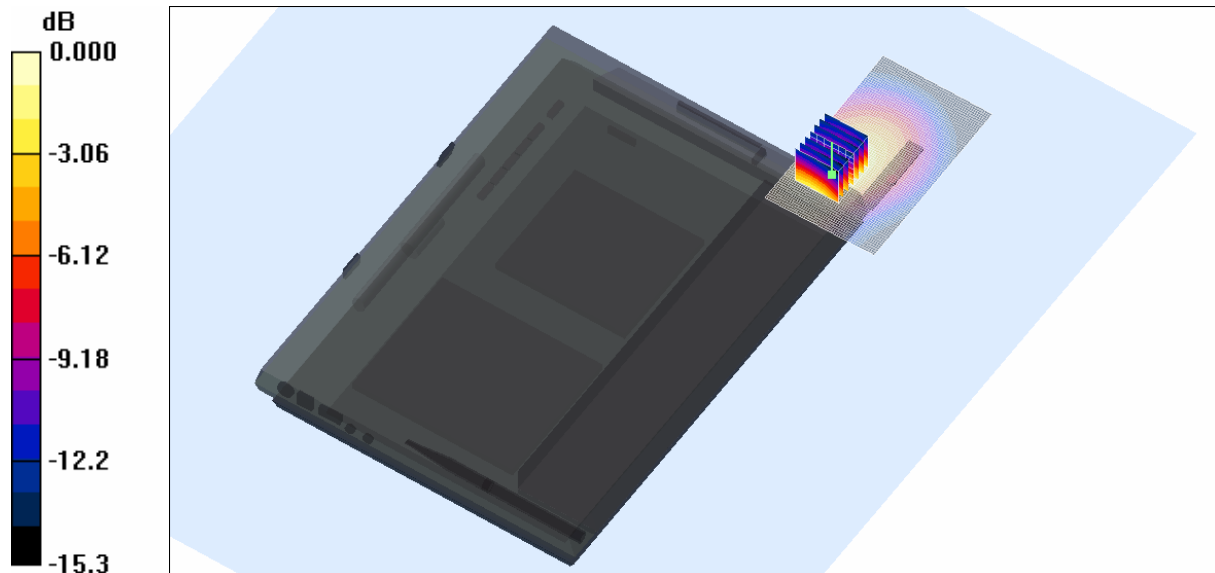
File Name: 1900 MHz 3G Tablet Antenna Mid 21-08-08.da4

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

- * Communication System: 1900 MHz 3G; Frequency: 1880 MHz; Duty Cycle: 1:1
- * Medium parameters used: $f = 1880.6$ MHz; $\sigma = 1.48$ mho/m; $\epsilon_r = 51.3$; $\rho = 1000$ 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 (51x81x1): Measurement grid: dx=15mm, dy=15mm
 Maximum value of SAR (interpolated) = 0.505 mW/g

Channel 9400 Test/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
 Reference Value = 11.5 V/m; Power Drift = -0.027 dB
 Peak SAR (extrapolated) = 0.905 W/kg
SAR(1 g) = 0.495 mW/g; SAR(10 g) = 0.280 mW/g
 Maximum value of SAR (measured) = 0.540 mW/g



SAR MEASUREMENT PLOT 19

Ambient Temperature
 Liquid Temperature
 Humidity

20.0 Degrees Celsius
 19.8 Degrees Celsius
 36.0 %



Test Date: 21 August 2008

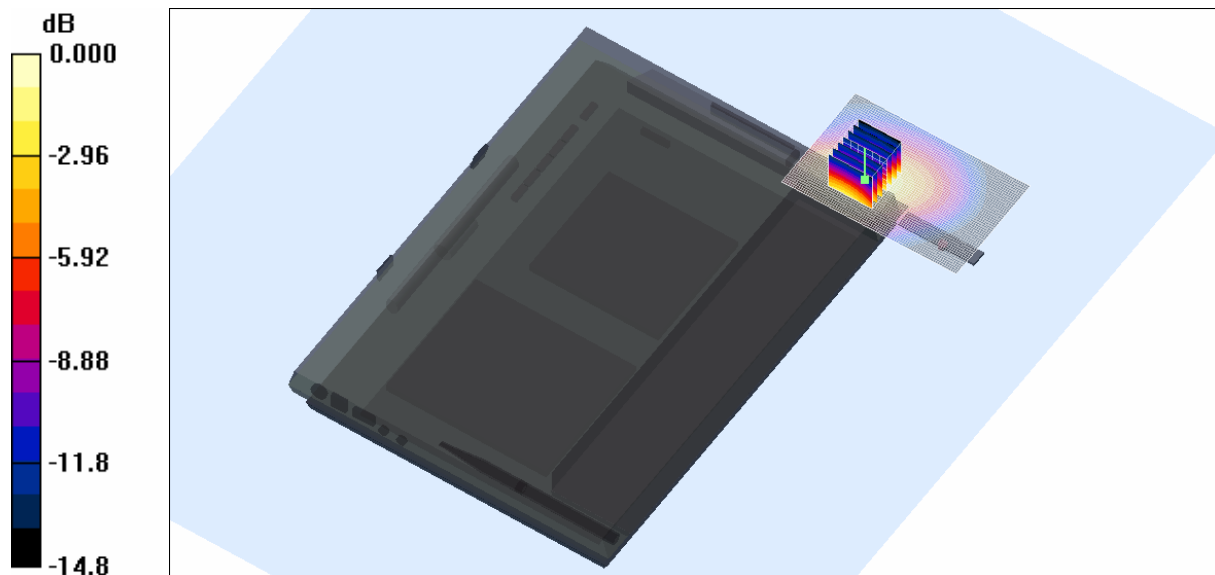
File Name: 1900 MHz 3G Tablet Antenna Out 21-08-08.da4

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

- * Communication System: 1900 MHz 3G; Frequency: 1852.4 MHz; Duty Cycle: 1:1
- * Medium parameters used: $f = 1851.2$ MHz; $\sigma = 1.46$ mho/m; $\epsilon_r = 51.4$; $\rho = 1000$ 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 (81x51x1): Measurement grid: dx=15mm, dy=15mm
 Maximum value of SAR (interpolated) = 0.701 mW/g

Channel 9262 Test/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
 Reference Value = 9.19 V/m; Power Drift = 0.049 dB
 Peak SAR (extrapolated) = 1.21 W/kg
SAR(1 g) = 0.672 mW/g; SAR(10 g) = 0.377 mW/g
 Maximum value of SAR (measured) = 0.742 mW/g



SAR MEASUREMENT PLOT 20

Ambient Temperature
 Liquid Temperature
 Humidity

20.0 Degrees Celsius
 19.8 Degrees Celsius
 36.0 %



Test Date: 21 August 2008

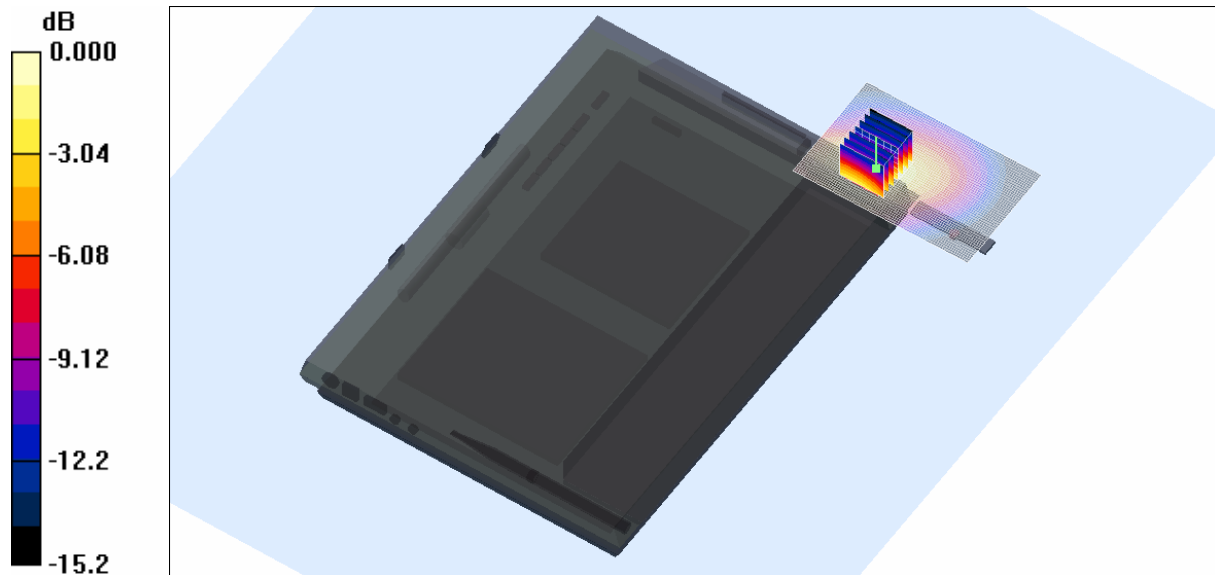
File Name: 1900 MHz 3G Tablet Antenna Out 21-08-08.da4

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

- * Communication System: 1900 MHz 3G; Frequency: 1880 MHz; Duty Cycle: 1:1
- * Medium parameters used: $f = 1880.6$ MHz; $\sigma = 1.48$ mho/m; $\epsilon_r = 51.3$; $\rho = 1000$ 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 (81x51x1): Measurement grid: dx=15mm, dy=15mm
 Maximum value of SAR (interpolated) = 0.624 mW/g

Channel 9400 Test/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
 Reference Value = 9.15 V/m; Power Drift = -0.007 dB
 Peak SAR (extrapolated) = 1.08 W/kg
SAR(1 g) = 0.588 mW/g; SAR(10 g) = 0.333 mW/g
 Maximum value of SAR (measured) = 0.651 mW/g



0 dB = 0.651mW/g

SAR MEASUREMENT PLOT 21

Ambient Temperature
 Liquid Temperature
 Humidity

20.0 Degrees Celsius
 19.8 Degrees Celsius
 36.0 %



Test Date: 21 August 2008

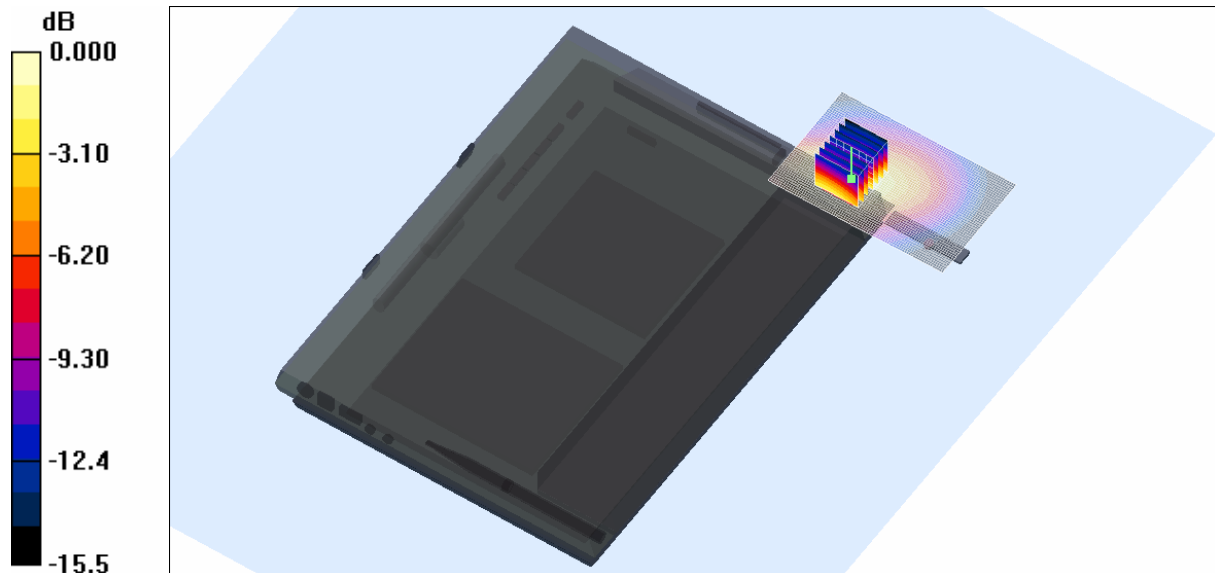
File Name: 1900 MHz 3G Tablet Antenna Out 21-08-08.da4

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

- * Communication System: 1900 MHz 3G; Frequency: 1907.6 MHz; Duty Cycle: 1:1
- * Medium parameters used: $f = 1905.8$ MHz; $\sigma = 1.5$ mho/m; $\epsilon_r = 51.3$; $\rho = 1000$ 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 (81x51x1): 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 = 8.32 V/m; Power Drift = -0.020 dB
 Peak SAR (extrapolated) = 0.820 W/kg
SAR(1 g) = 0.446 mW/g; SAR(10 g) = 0.252 mW/g
 Maximum value of SAR (measured) = 0.492 mW/g

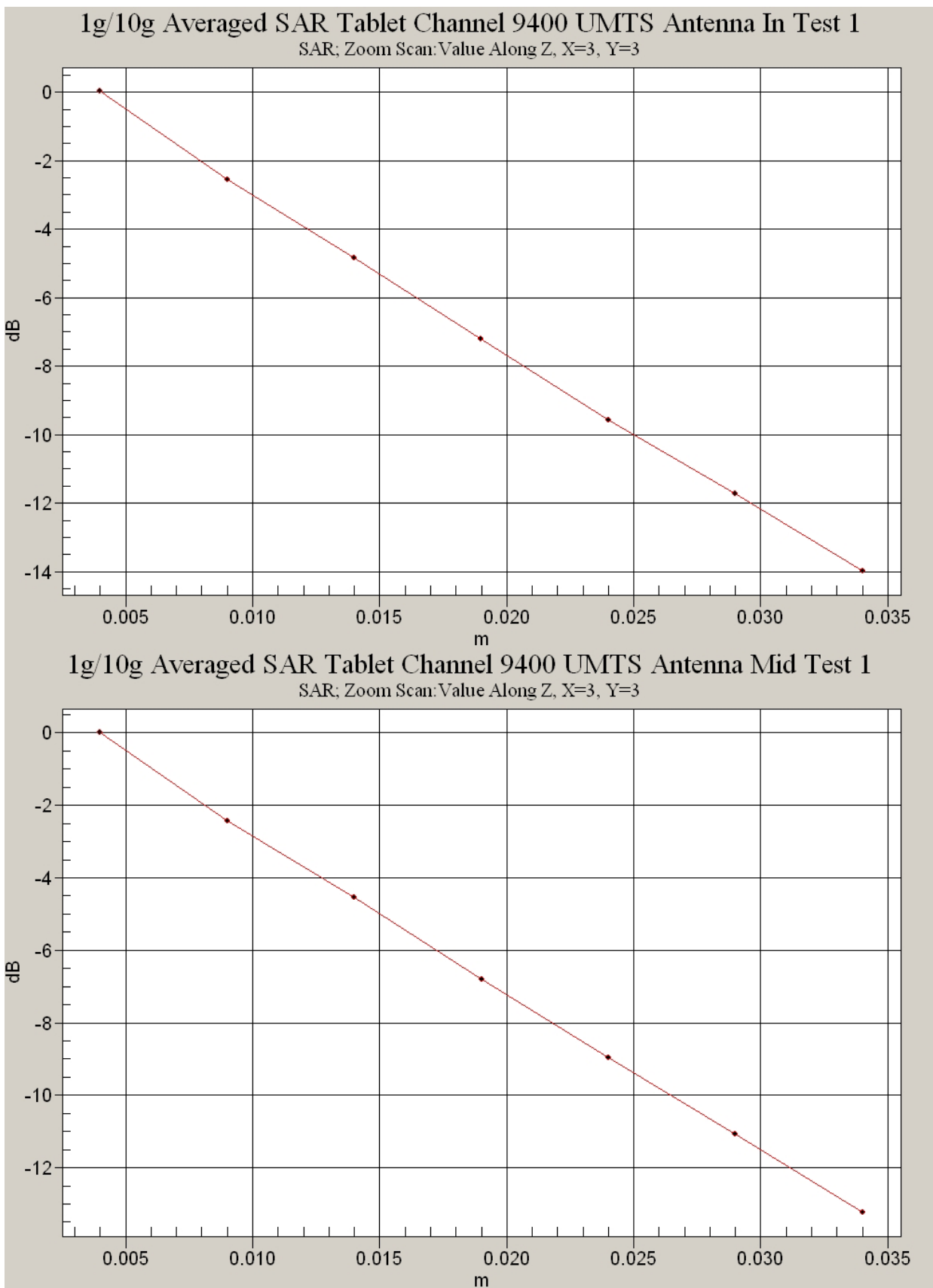


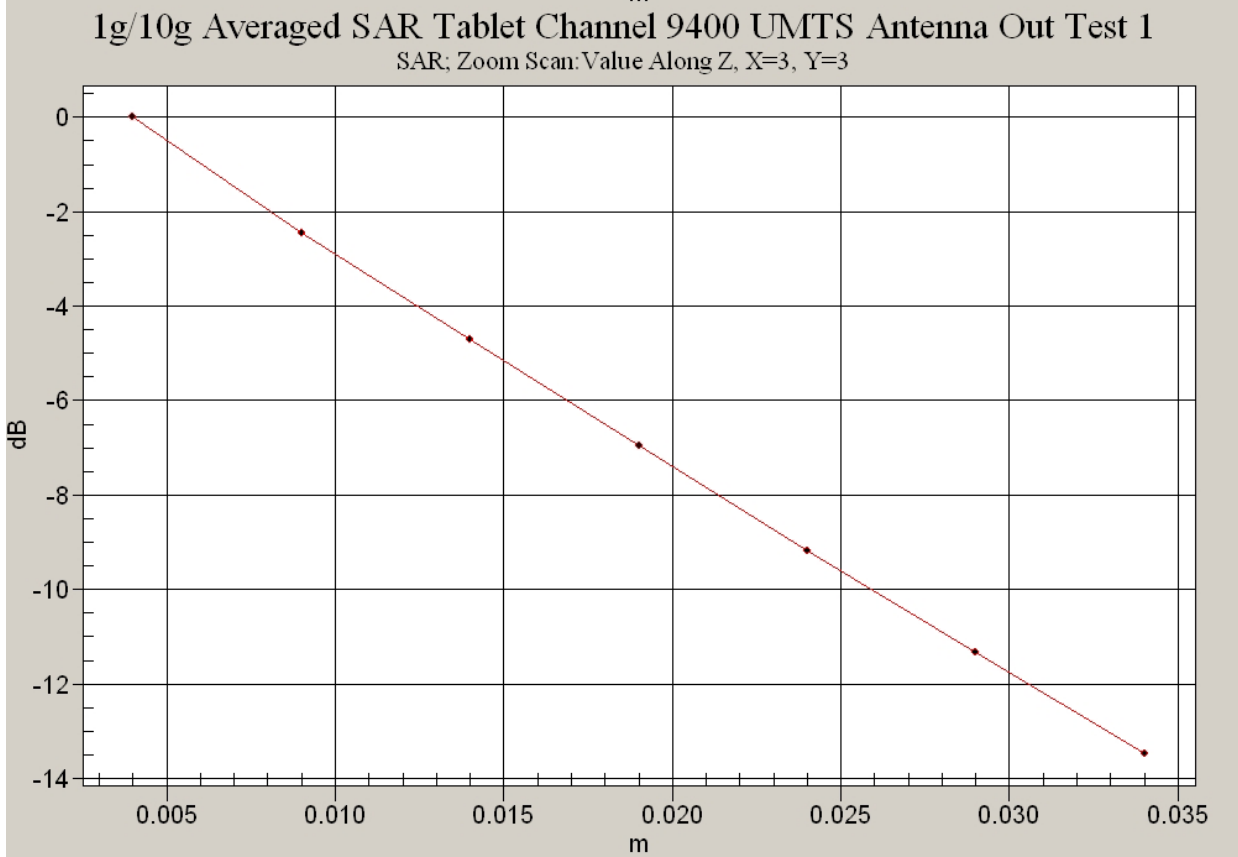
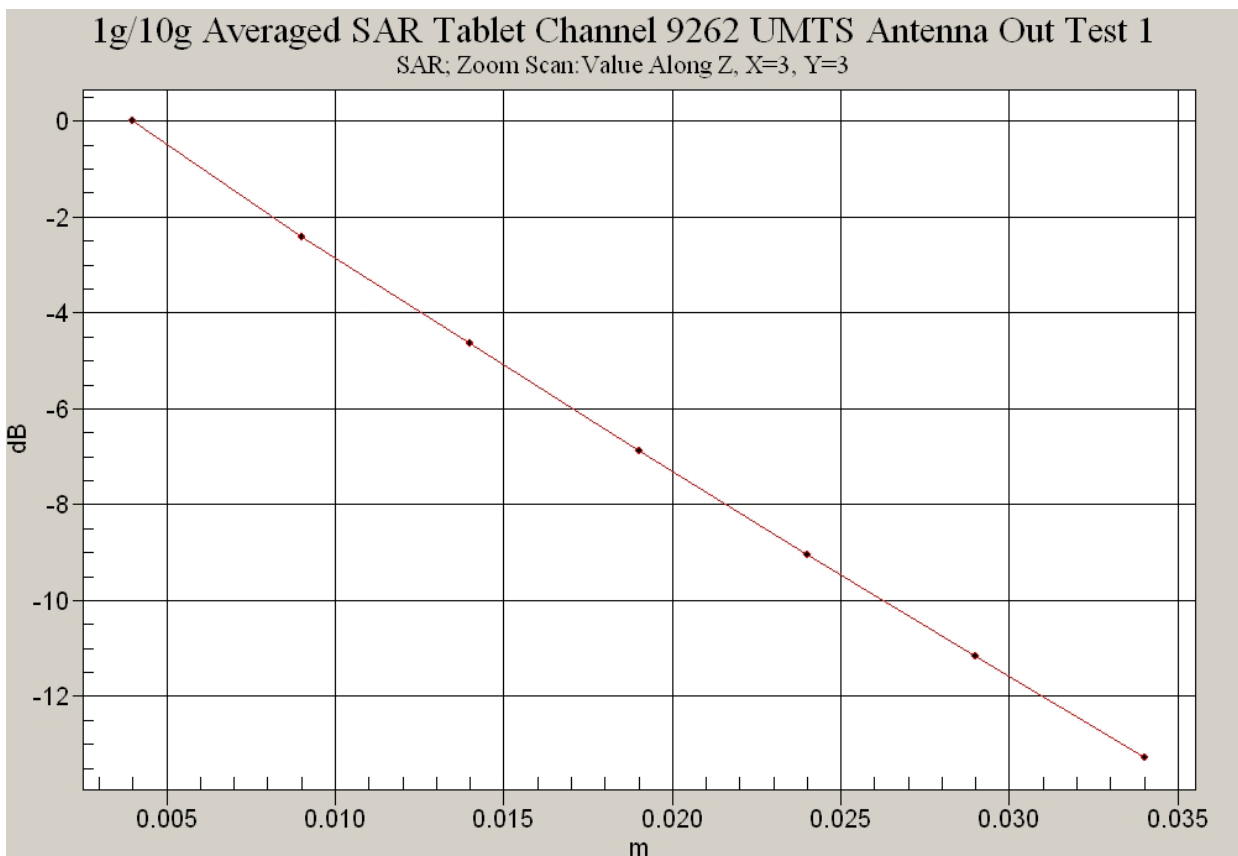
SAR MEASUREMENT PLOT 22

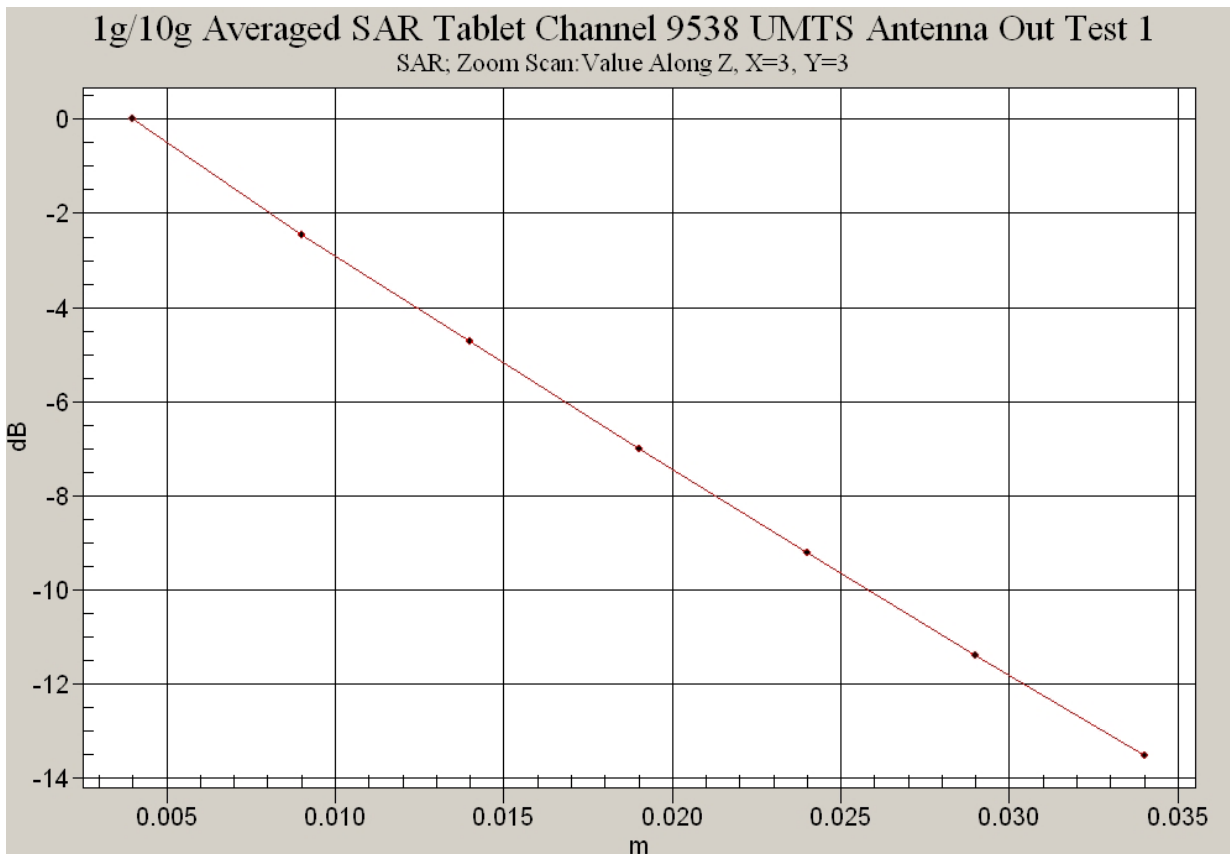
Ambient Temperature
 Liquid Temperature
 Humidity

20.0 Degrees Celsius
 19.8 Degrees Celsius
 36.0 %









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Test Date: 22 August 2008

File Name: Validation 900 MHz (DAE442 Probe1380) 22-08-08.da4

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

* Communication System: CW 900 MHz; Frequency: 900 MHz; Duty Cycle: 1:1

* Medium parameters used: $f = 900 \text{ MHz}$; $\sigma = 0.997 \text{ mho/m}$; $\epsilon_r = 40.3$; $\rho = 1000 \text{ kg/m}^3$

- 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) = 2.89 mW/g

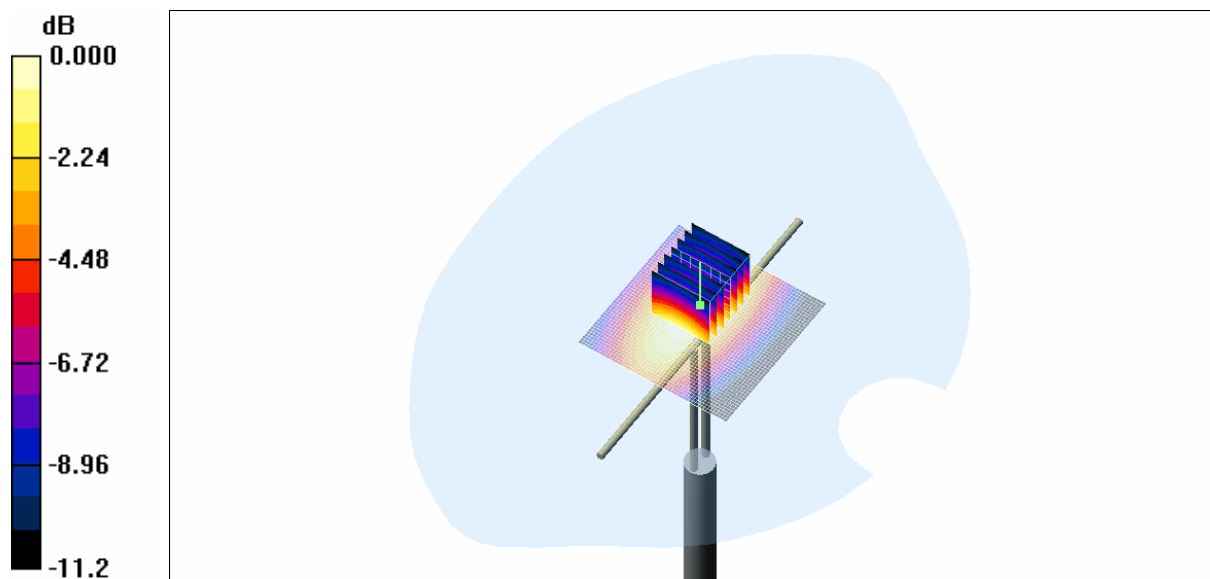
Channel 1 Test/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 56.7 V/m; Power Drift = -0.037 dB

Peak SAR (extrapolated) = 3.82 W/kg

SAR(1 g) = 2.65 mW/g; SAR(10 g) = 1.71 mW/g

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



0 dB = 2.87mW/g

SAR MEASUREMENT PLOT 23

Ambient Temperature
Liquid Temperature
Humidity

20.5 Degrees Celsius
20.2 Degrees Celsius
35.0 %



Test Date: 21 August 2008

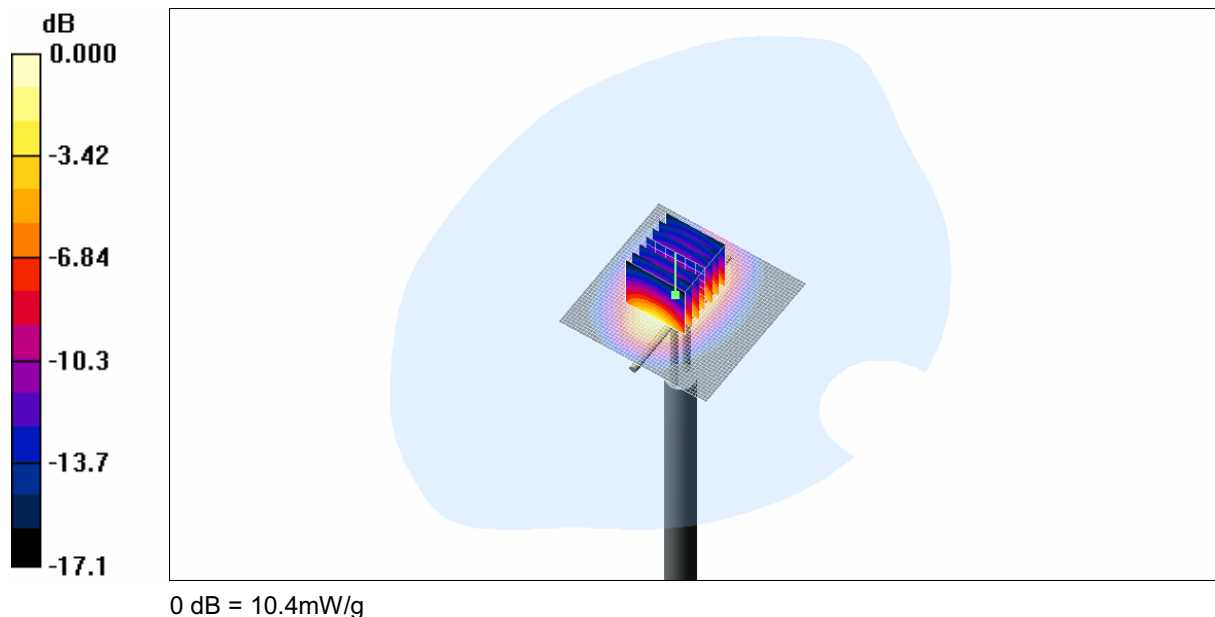
File Name: Validation 1800 MHz (DAE442 Probe1380) 21-08-08.da4

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

- * Communication System: CW 1800 MHz; Frequency: 1800 MHz; Duty Cycle: 1:1
- * Medium parameters used: f = 1800 MHz; $\sigma = 1.4$ mho/m; $\epsilon_r = 38.8$; $\rho = 1000$ 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) = 11.5 mW/g

Channel 1 Test/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
 Reference Value = 90.3 V/m; Power Drift = -0.003 dB
 Peak SAR (extrapolated) = 16.0 W/kg
SAR(1 g) = 9.18 mW/g; SAR(10 g) = 4.87 mW/g
 Maximum value of SAR (measured) = 10.4 mW/g

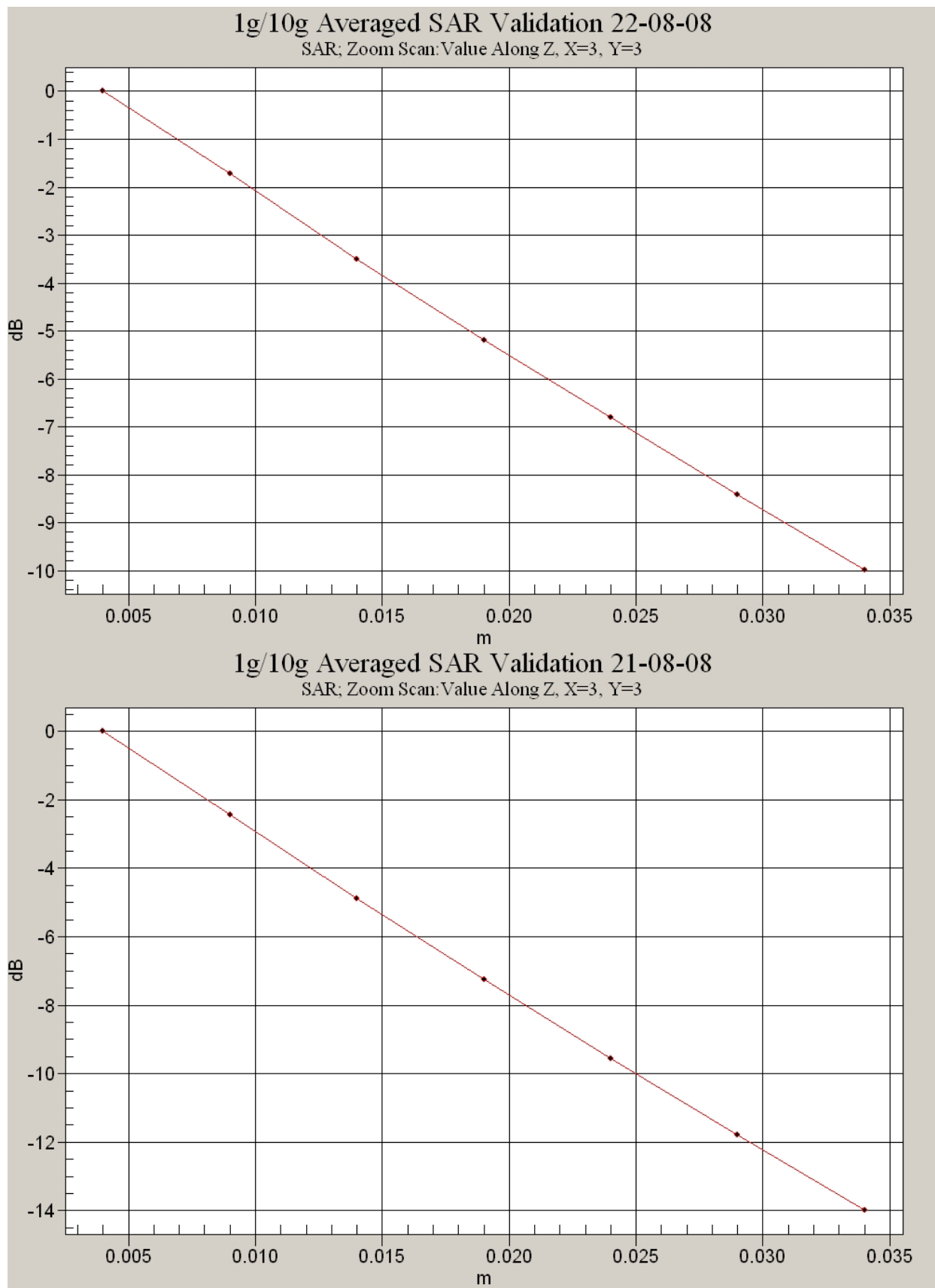


SAR MEASUREMENT PLOT 24

Ambient Temperature
Liquid Temperature
Humidity

20.0 Degrees Celsius
19.8 Degrees Celsius
36.0 %





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