

APPENDIX B PLOTS OF THE SAR MEASUREMENTS

Plots of the measured SAR distributions inside the phantom are given in this Appendix for all tested configurations. The spatial peak SAR values were assessed with the procedure described in this report.

Table: 850MHz GPRS Band SAR Measurement Plot Numbers

Test Position	Plot No.	Test Channel
Tablet Ant. In GPRS Class 10	1	190
Tablet Ant. Out GPRS Class 10	2	128
	3	190
	4	251
Z-Axis Graphs for Plots 1 - 4		
Edge On Right Ant. In GPRS Class 10	5	190
Edge On Right Ant. In GPRS Class 11	6	190
Edge On Right Ant. In GPRS Class 12	7	190
Edge On Right Ant. Out GPRS Class 10	8	190
Z-Axis Graphs for Plots 5 - 8		

Table: 1900MHz GPRS Band SAR Measurement Plot Numbers

Test Position	Plot No.	Test Channel
Tablet Ant. In GPRS Class 12	9	661
Tablet Ant. Out GPRS Class 12	10	512
	11	661
	12	810
Z-Axis Graphs for Plots 9 - 12		
Edge On Right Ant. In GPRS Class 10	13	661
Edge On Right Ant. In GPRS Class 11	14	661
Edge On Right Ant. In GPRS Class 12	15	661
Edge On Right Ant. Out GPRS Class 12	16	661
Z-Axis Graphs for Plots 13 - 16		

Table: 850MHz UMTS Band SAR Measurement Plot Numbers

Test Position	Plot No.	Test Channel
Tablet Ant. In	17	4183
Tablet Ant. Out	18	4132
	19	4183
	20	4233
Z-Axis Graphs for Plots 17 - 20		
Edge On Right Ant. In	21	4183
Edge On Right Ant. Out	22	4183
Z-Axis Graphs for Plots 21 - 22		

Table: 1900MHz UMTS Band SAR Measurement Plot Numbers

Test Position	Plot No.	Test Channel
Tablet Ant. In	23	9400
Tablet Ant. Out	24	9262
	25	9400
	26	9538
Z-Axis Graphs for Plots 23 - 26		
Edge On Right Ant. In	27	9400
Edge On Right Ant. Out	28	9400
Z-Axis Graphs for Plots 27 - 28		

Table: Validation Plots

Plot 29	Validation 900 MHz 20 th June 2008
Plot 30	Validation 900 MHz 23 rd June 2008
Plot 31	Validation 1800 MHz 19 th June 2008
Plot 32	Validation 1800 MHz 21 st June 2008
Z-Axis Graphs for Plots 29 - 32	

Test Date: 20 June 2008

File Name: 850 MHz GPRS Class 10 Tablet Antenna In 20-06-08.da4

DUT: Fujitsu Tablet Seneca LC 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: $f = 836 \text{ MHz}$; $\sigma = 1 \text{ mho/m}$; $\epsilon_r = 55.4$; $\rho = 1000 \text{ kg/m}^3$

- Electronics: DAE3 Sn442; Probe: ET3DV6 - SN1377; 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: $dx=15\text{mm}$, $dy=15\text{mm}$

Maximum value of SAR (interpolated) = 0.054 mW/g

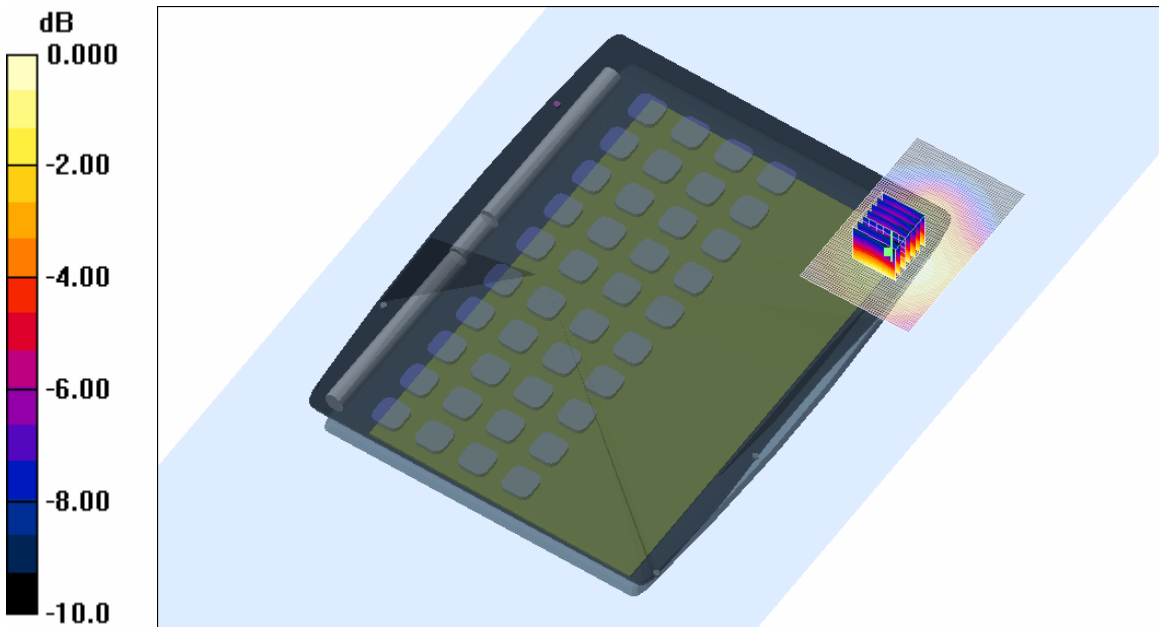
Channel 190 Test/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$

Reference Value = 6.88 V/m; Power Drift = -0.021 dB

Peak SAR (extrapolated) = 0.075 W/kg

SAR(1 g) = 0.053 mW/g; SAR(10 g) = 0.037 mW/g

Maximum value of SAR (measured) = 0.057 mW/g



0 dB = 0.057mW/g

SAR MEASUREMENT PLOT 1

Ambient Temperature
Liquid Temperature
Humidity

20.4 Degrees Celsius
20.2 Degrees Celsius
50.0 %

Test Date: 20 June 2008

File Name: 850 MHz GPRS Class 10 Tablet Antenna Out 20-06-08.da4

DUT: Fujitsu Tablet Seneca LC 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: $f = 824 \text{ MHz}$; $\sigma = 0.99 \text{ mho/m}$; $\epsilon_r = 55.5$; $\rho = 1000 \text{ kg/m}^3$

- Electronics: DAE3 Sn442; Probe: ET3DV6 - SN1377; 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 (81x51x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Maximum value of SAR (interpolated) = 0.499 mW/g

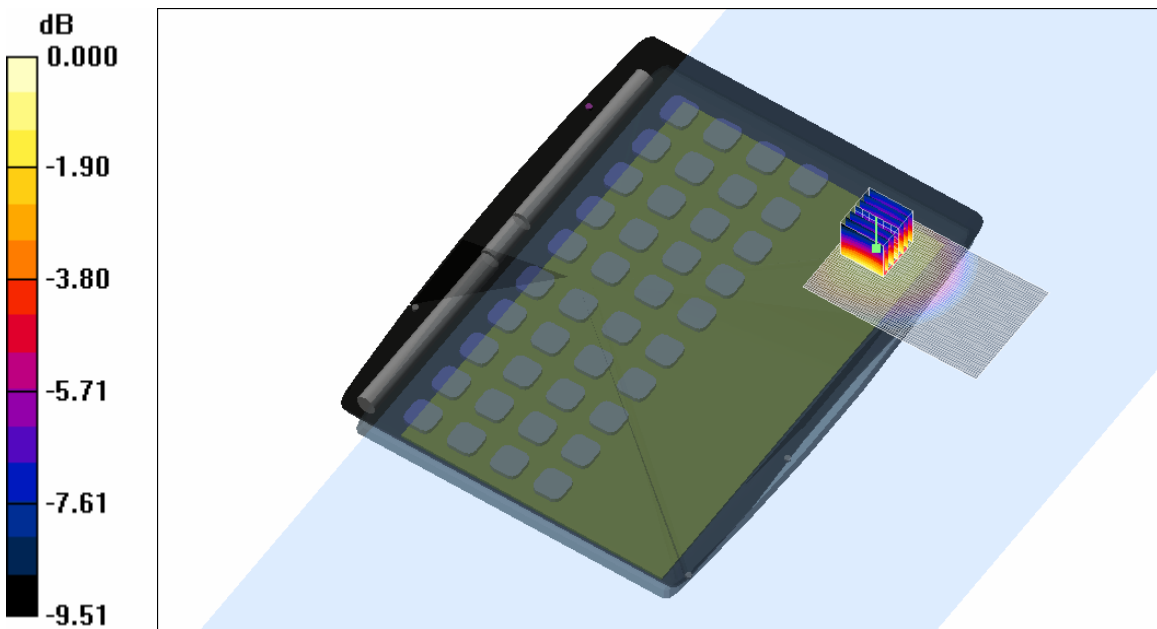
Channel 128 Test/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$

Reference Value = 4.82 V/m; Power Drift = 0.025 dB

Peak SAR (extrapolated) = 0.619 W/kg

SAR(1 g) = 0.456 mW/g; SAR(10 g) = 0.321 mW/g

Maximum value of SAR (measured) = 0.488 mW/g



SAR MEASUREMENT PLOT 2

Ambient Temperature
Liquid Temperature
Humidity

20.4 Degrees Celsius
20.2 Degrees Celsius
50.0 %

Test Date: 20 June 2008

File Name: 850 MHz GPRS Class 10 Tablet Antenna Out 20-06-08.da4

DUT: Fujitsu Tablet Seneca LC 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: $f = 836 \text{ MHz}$; $\sigma = 1 \text{ mho/m}$; $\epsilon_r = 55.4$; $\rho = 1000 \text{ kg/m}^3$

- Electronics: DAE3 Sn442; Probe: ET3DV6 - SN1377; 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 (81x51x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Maximum value of SAR (interpolated) = 0.496 mW/g

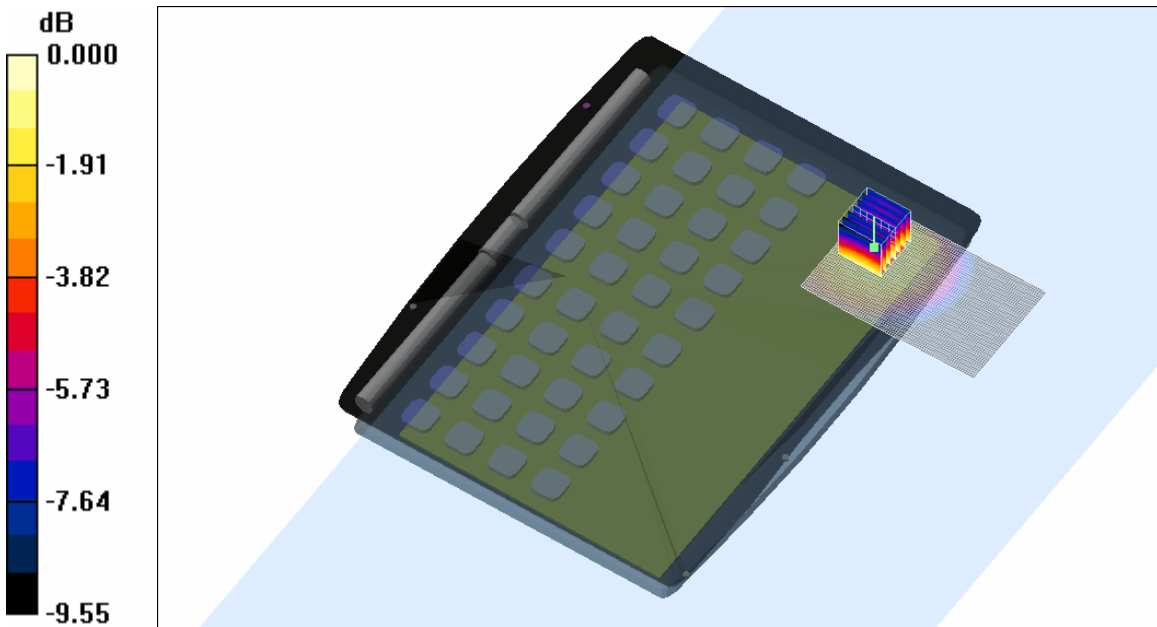
Channel 190 Test/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$

Reference Value = 4.67 V/m; Power Drift = -0.023 dB

Peak SAR (extrapolated) = 0.591 W/kg

SAR(1 g) = 0.444 mW/g; SAR(10 g) = 0.314 mW/g

Maximum value of SAR (measured) = 0.472 mW/g



SAR MEASUREMENT PLOT 3

Ambient Temperature
Liquid Temperature
Humidity

20.4 Degrees Celsius
20.2 Degrees Celsius
50.0 %

Test Date: 20 June 2008

File Name: 850 MHz GPRS Class 10 Tablet Antenna Out 20-06-08.da4

DUT: Fujitsu Tablet Seneca LC 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: $f = 848 \text{ MHz}$; $\sigma = 1.01 \text{ mho/m}$; $\epsilon_r = 55.2$; $\rho = 1000 \text{ kg/m}^3$

- Electronics: DAE3 Sn442; Probe: ET3DV6 - SN1377; 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 (81x51x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Maximum value of SAR (interpolated) = 0.505 mW/g

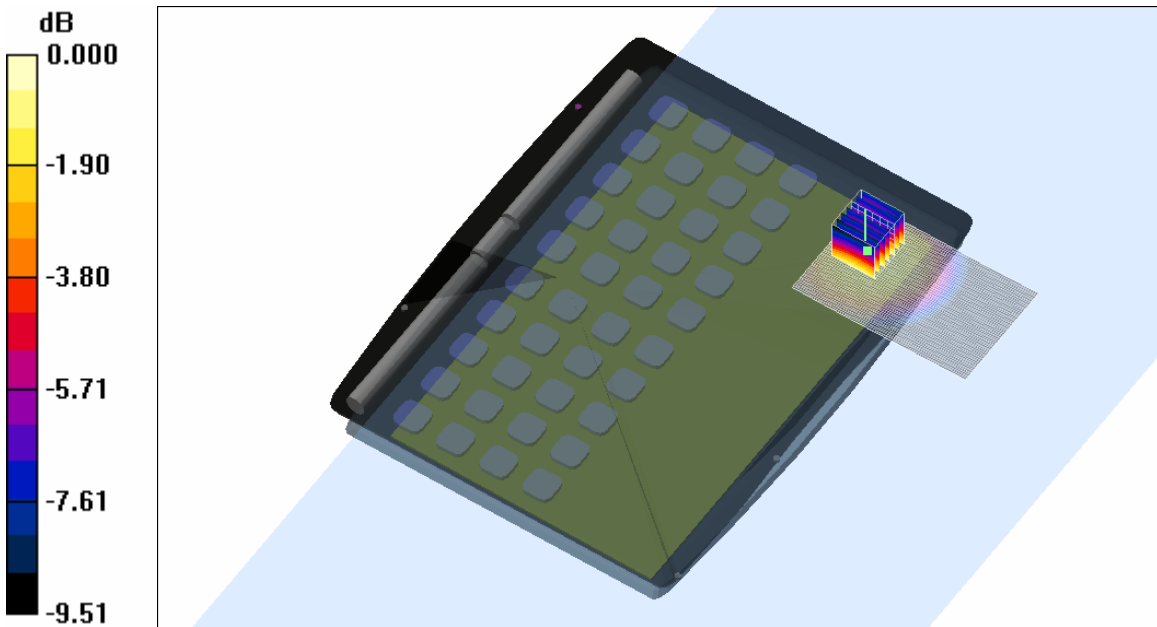
Channel 251 Test/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$

Reference Value = 4.69 V/m; Power Drift = 0.081 dB

Peak SAR (extrapolated) = 0.632 W/kg

SAR(1 g) = 0.475 mW/g; SAR(10 g) = 0.335 mW/g

Maximum value of SAR (measured) = 0.507 mW/g



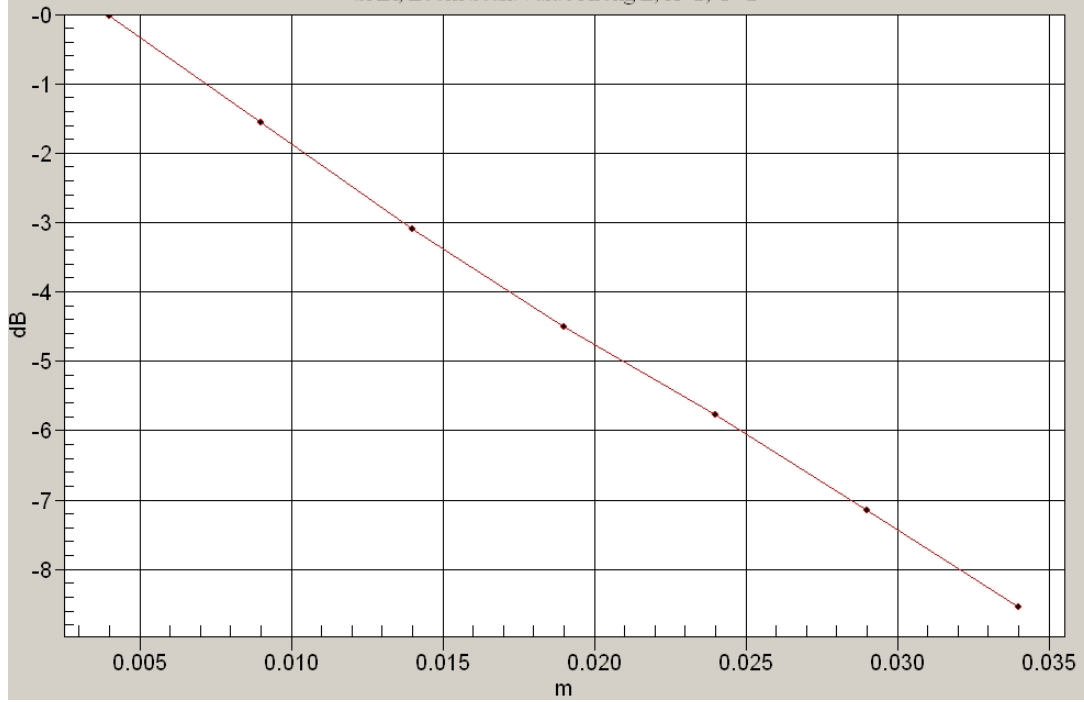
SAR MEASUREMENT PLOT 4

Ambient Temperature
Liquid Temperature
Humidity

20.4 Degrees Celsius
20.2 Degrees Celsius
50.0 %

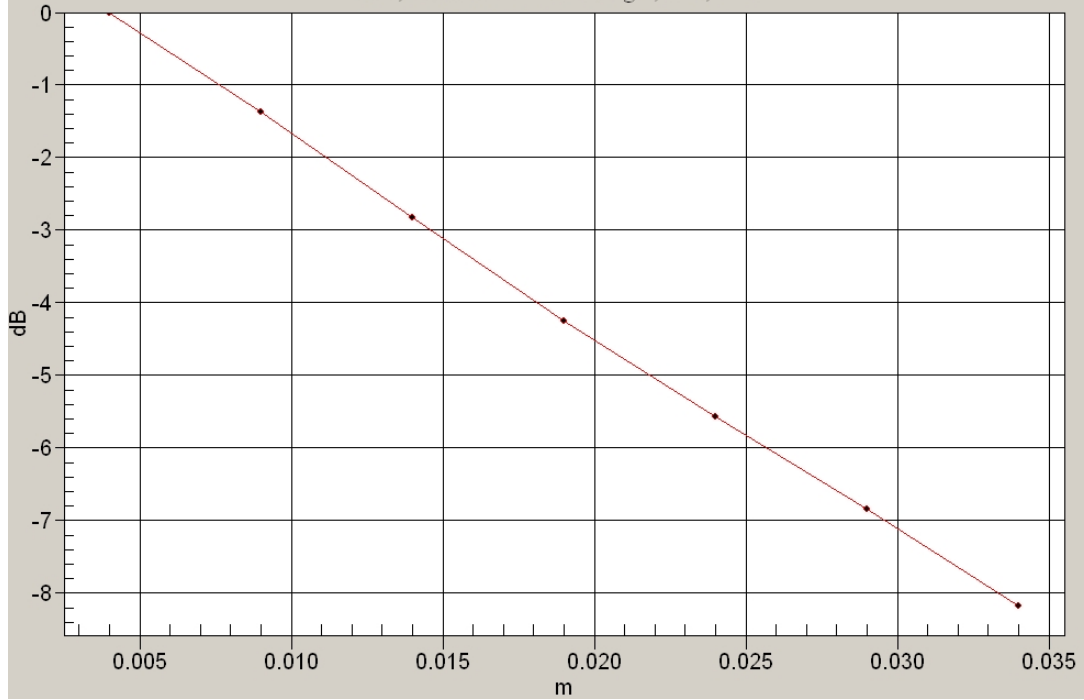
1g/10g Averaged SAR Tablet Channel 190 GPRS Class 10 Antenna In Test 1

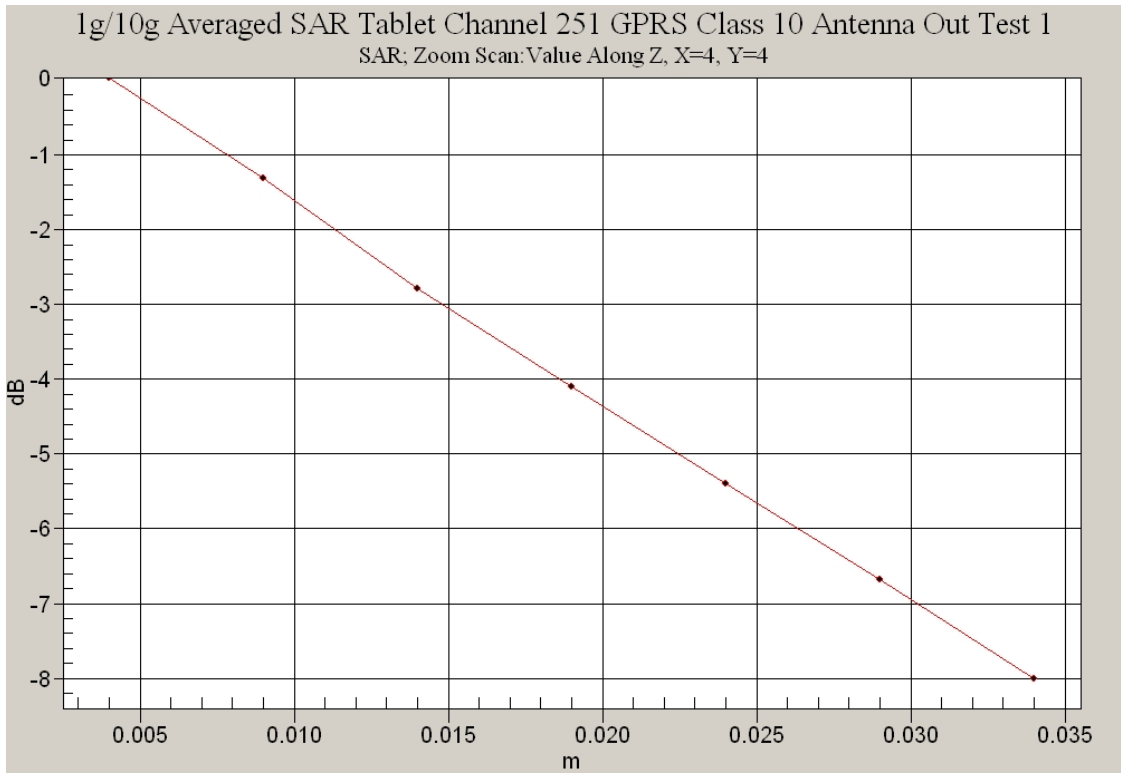
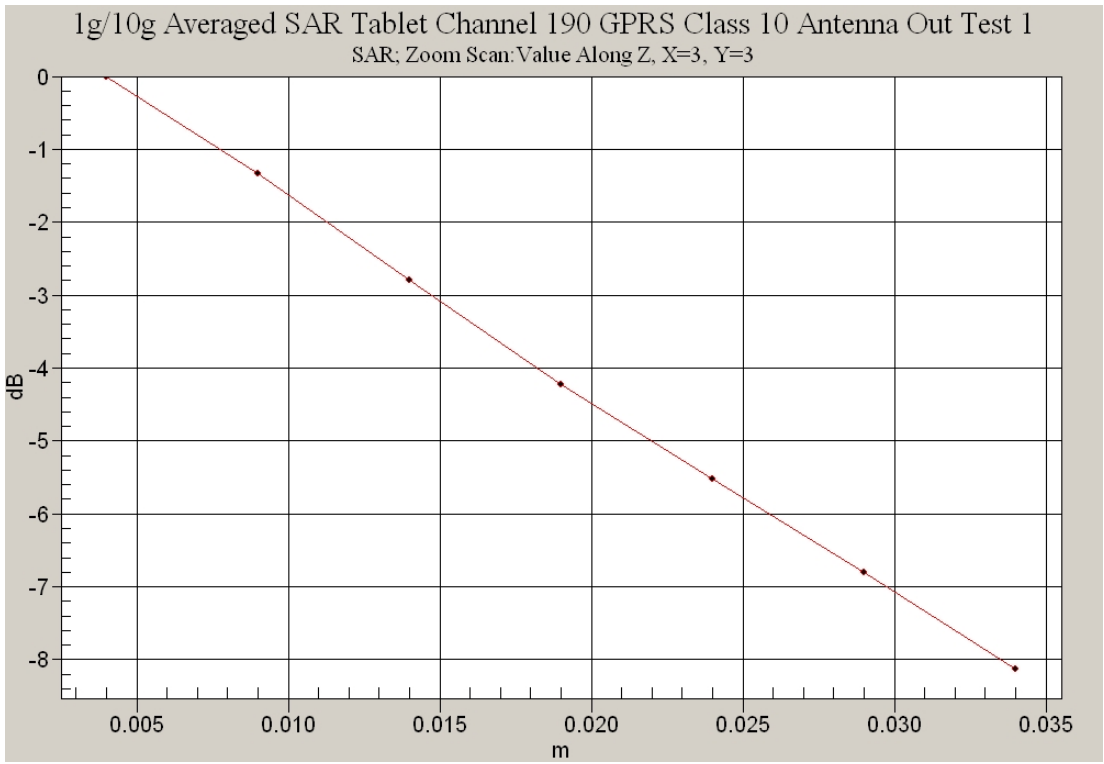
SAR; Zoom Scan: Value Along Z, X=2, Y=2



1g/10g Averaged SAR Tablet Channel 128 GPRS Class 10 Antenna Out Test 1

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





Test Date: 20 June 2008

File Name: 850 MHz GPRS Class 10 Edge On Right Antenna In 20-06-08.da4

DUT: Fujitsu Tablet Seneca LC 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: $f = 836 \text{ MHz}$; $\sigma = 1 \text{ mho/m}$; $\epsilon_r = 55.4$; $\rho = 1000 \text{ kg/m}^3$

- Electronics: DAE3 Sn442; Probe: ET3DV6 - SN1377; 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: $dx=15\text{mm}$, $dy=15\text{mm}$

Maximum value of SAR (interpolated) = 0.147 mW/g

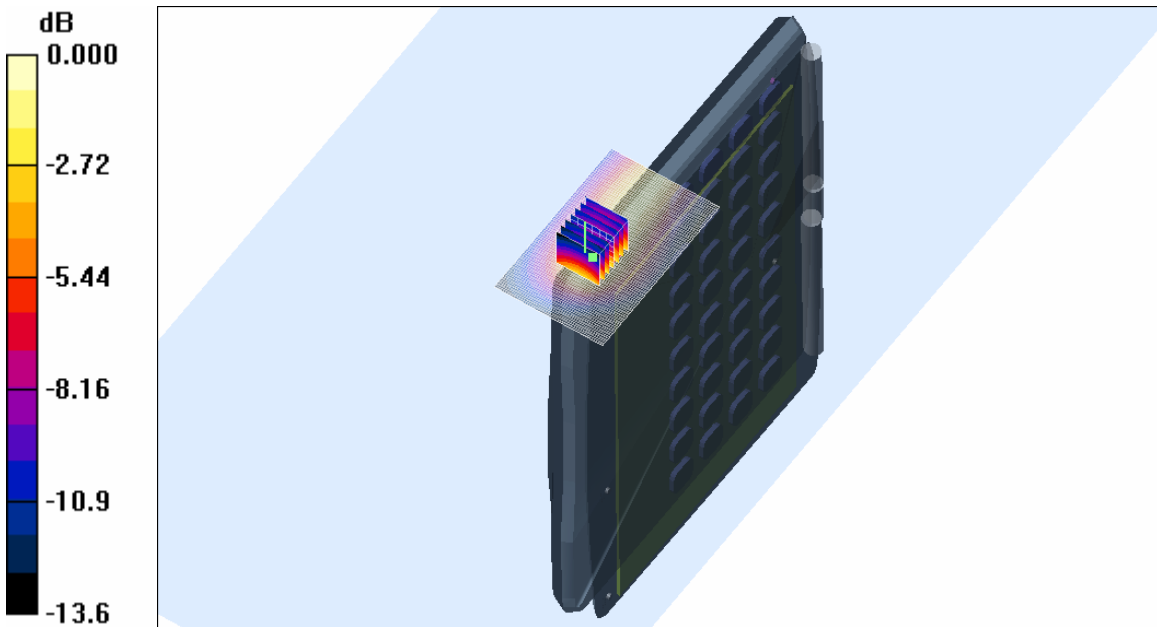
Channel 190 Test/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$

Reference Value = 10.1 V/m; Power Drift = -0.282 dB

Peak SAR (extrapolated) = 0.222 W/kg

SAR(1 g) = 0.121 mW/g; SAR(10 g) = 0.073 mW/g

Maximum value of SAR (measured) = 0.138 mW/g



0 dB = 0.138mW/g

SAR MEASUREMENT PLOT 5

Ambient Temperature
Liquid Temperature
Humidity

20.4 Degrees Celsius
20.2 Degrees Celsius
50.0 %

Test Date: 20 June 2008

File Name: 850 MHz GPRS Class 11 Edge On Right Antenna In 20-06-08.da4

DUT: Fujitsu Tablet Seneca LC 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: $f = 836$ MHz; $\sigma = 1$ mho/m; $\epsilon_r = 55.4$; $\rho = 1000$ kg/m³

- Electronics: DAE3 Sn442; Probe: ET3DV6 - SN1377; 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) = 0.112 mW/g

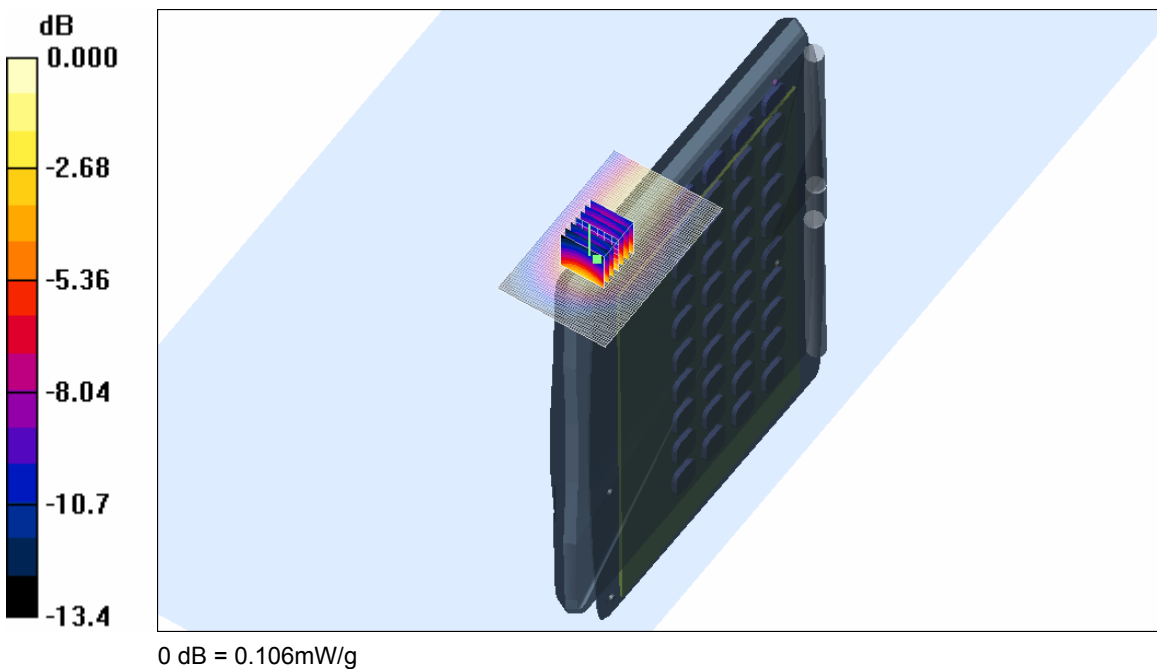
Channel 190 Test/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 8.83 V/m; Power Drift = -0.185 dB

Peak SAR (extrapolated) = 0.177 W/kg

SAR(1 g) = 0.095 mW/g; SAR(10 g) = 0.057 mW/g

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



SAR MEASUREMENT PLOT 6

Ambient Temperature
Liquid Temperature
Humidity

20.4 Degrees Celsius
20.2 Degrees Celsius
50.0 %

Test Date: 20 June 2008

File Name: 850 MHz GPRS Class 12 Edge On Right Antenna In 20-06-08.da4

DUT: Fujitsu Tablet Seneca LC 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: $f = 836$ MHz; $\sigma = 1$ mho/m; $\epsilon_r = 55.4$; $\rho = 1000$ kg/m³

- Electronics: DAE3 Sn442; Probe: ET3DV6 - SN1377; 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) = 0.076 mW/g

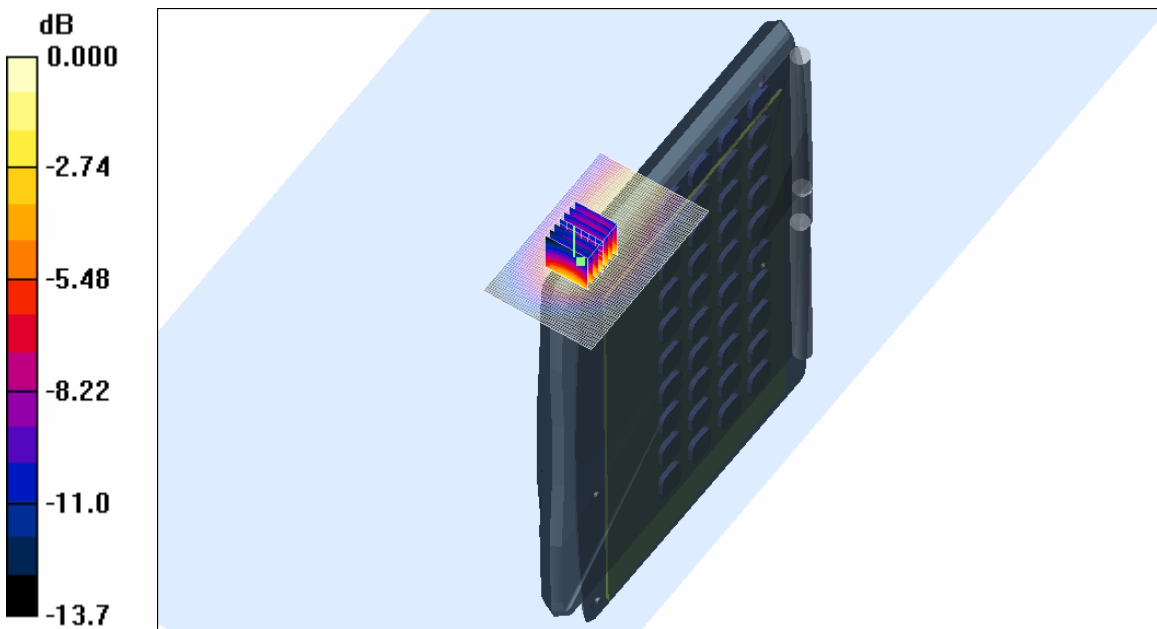
Channel 190 Test/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 7.05 V/m; Power Drift = 0.075 dB

Peak SAR (extrapolated) = 0.116 W/kg

SAR(1 g) = 0.063 mW/g; SAR(10 g) = 0.038 mW/g

Maximum value of SAR (measured) = 0.072 mW/g



0 dB = 0.072mW/g

SAR MEASUREMENT PLOT 7

Ambient Temperature
Liquid Temperature
Humidity

20.4 Degrees Celsius
20.2 Degrees Celsius
50.0 %

Test Date: 20 June 2008

File Name: 850 MHz GPRS Class 10 Edge On Right Antenna Out 20-06-08.da4

DUT: Fujitsu Tablet Seneca LC 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: $f = 836 \text{ MHz}$; $\sigma = 1 \text{ mho/m}$; $\epsilon_r = 55.4$; $\rho = 1000 \text{ kg/m}^3$

- Electronics: DAE3 Sn442; Probe: ET3DV6 - SN1377; 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: $dx=15\text{mm}$, $dy=15\text{mm}$

Maximum value of SAR (interpolated) = 0.323 mW/g

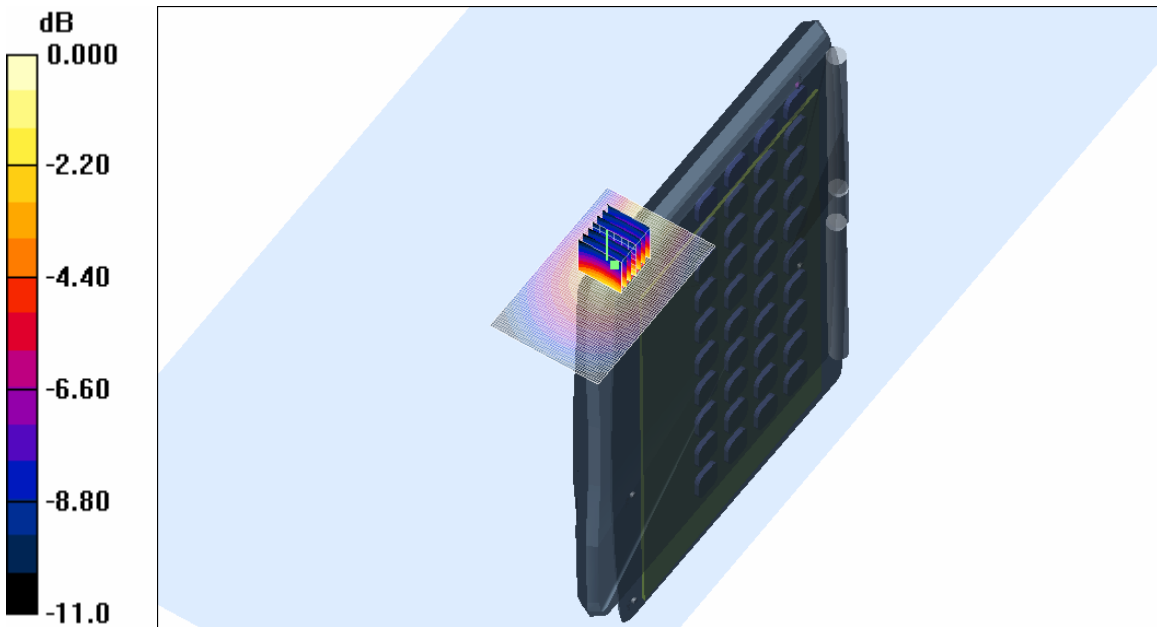
Channel 190 Test/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$

Reference Value = 10.1 V/m; Power Drift = 0.089 dB

Peak SAR (extrapolated) = 0.494 W/kg

SAR(1 g) = 0.283 mW/g; SAR(10 g) = 0.176 mW/g

Maximum value of SAR (measured) = 0.319 mW/g



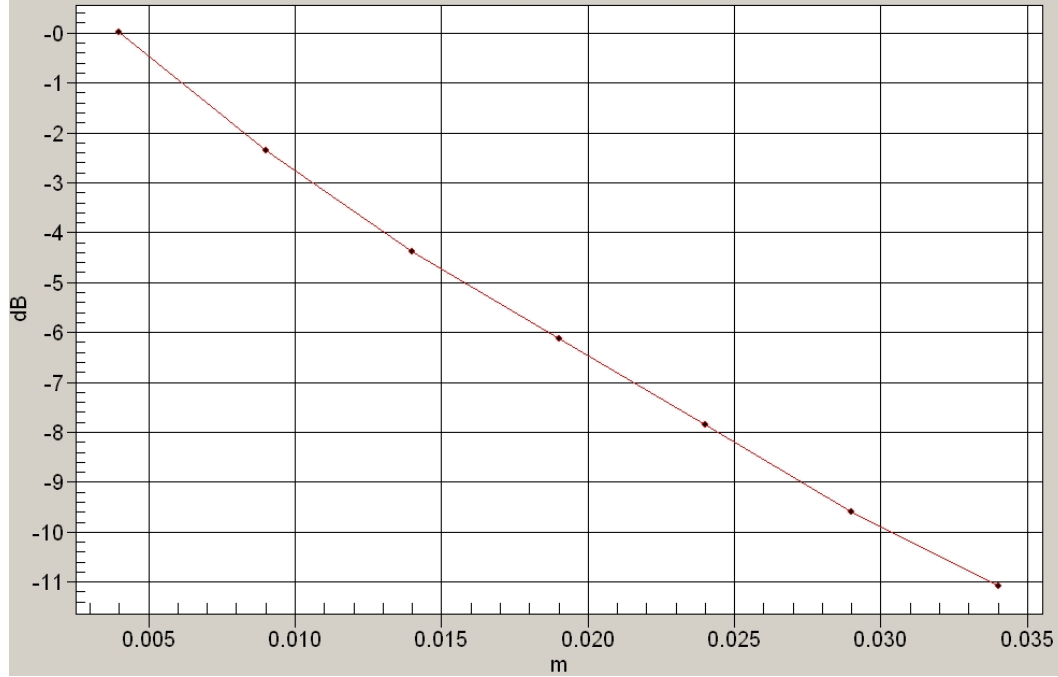
0 dB = 0.319mW/g

SAR MEASUREMENT PLOT 8

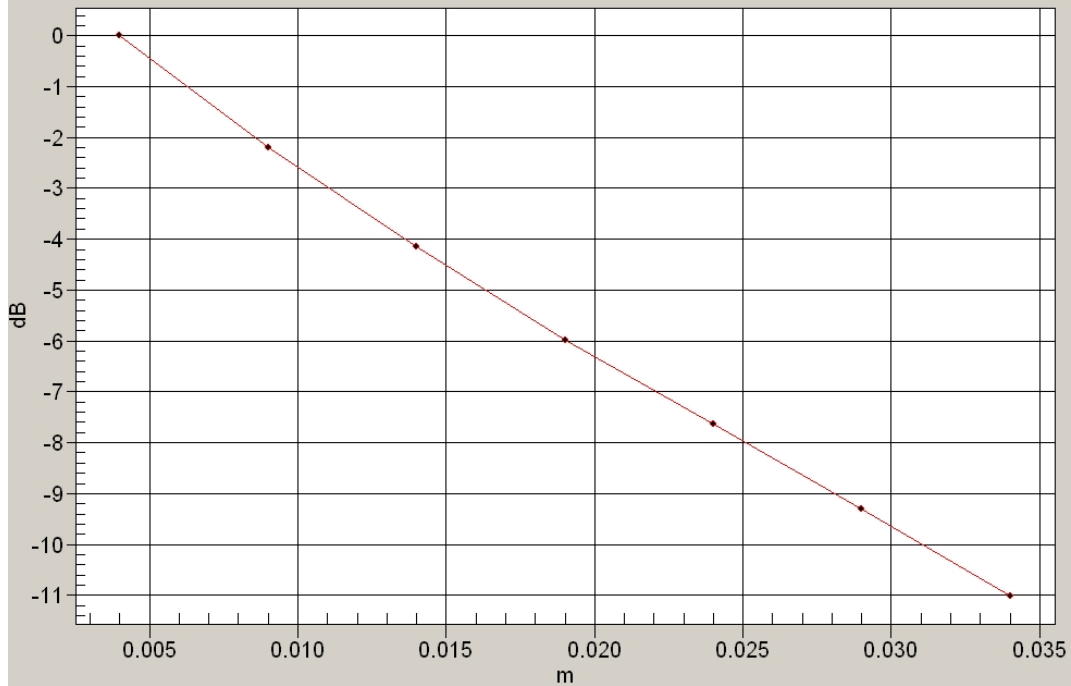
Ambient Temperature
Liquid Temperature
Humidity

20.4 Degrees Celsius
20.2 Degrees Celsius
50.0 %

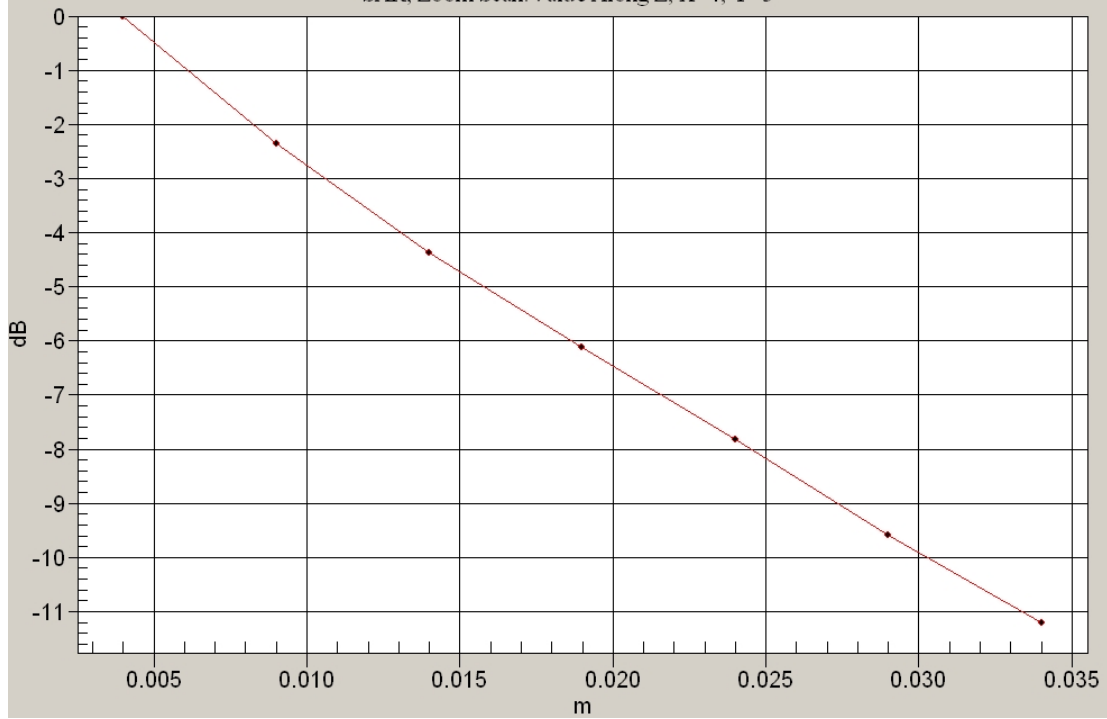
1g/10g Averaged SAR Edge On Right Channel 190 GPRS Class 10 Antenna In Test 1
SAR; Zoom Scan: Value Along Z, X=4, Y=3



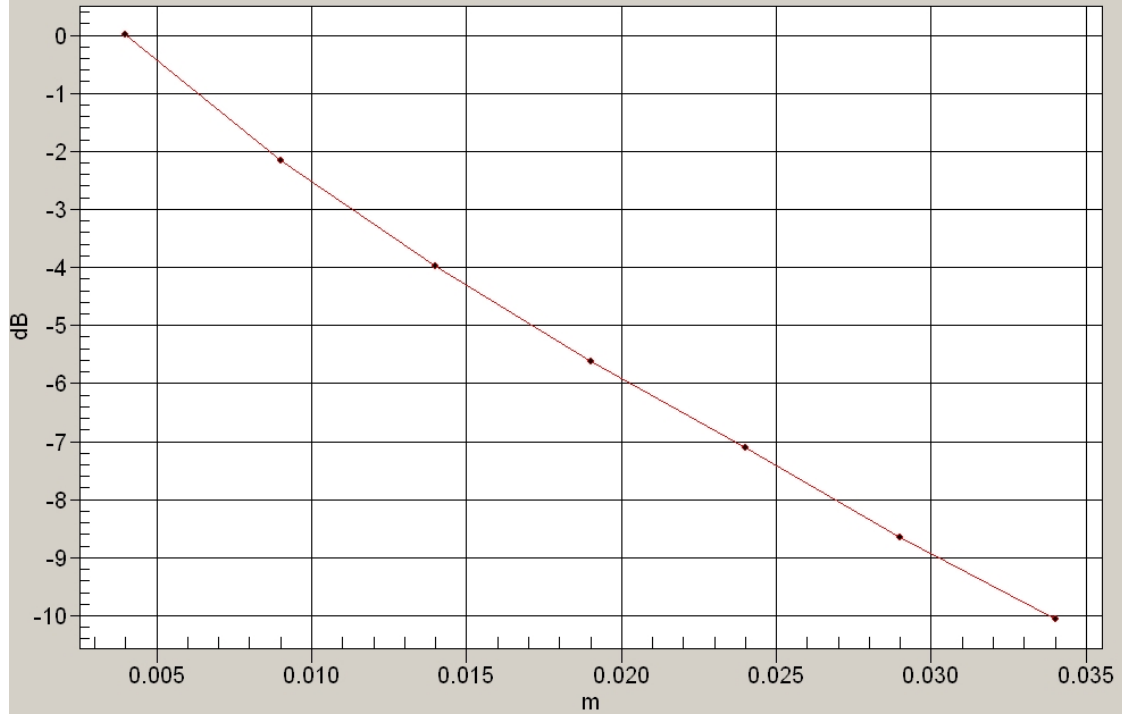
1g/10g Averaged SAR Edge On Right Channel 190 GPRS Class 11 Antenna In Test 1
SAR; Zoom Scan: Value Along Z, X=4, Y=3



lg/10g Averaged SAR Edge On Right Channel 190 GPRS Class 12 Antenna In Test 1
SAR; Zoom Scan: Value Along Z, X=4, Y=3



lg/10g Averaged SAR Edge On Right Channel 190 GPRS Class 10 Antenna Out Test 1
SAR; Zoom Scan: Value Along Z, X=4, Y=3



Test Date: 19 June 2008

File Name: 1900 MHz GPRS Class 12 Tablet Antenna In 19-06-08.da4

DUT: Fujitsu Tablet Seneca LC 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: $f = 1881$ MHz; $\sigma = 1.52$ mho/m; $\epsilon_r = 51.5$; $\rho = 1000$ kg/m³

- Electronics: DAE3 Sn442; Probe: ET3DV6 - SN1377; ConvF(4.74, 4.74, 4.74)

- 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) = 0.279 mW/g

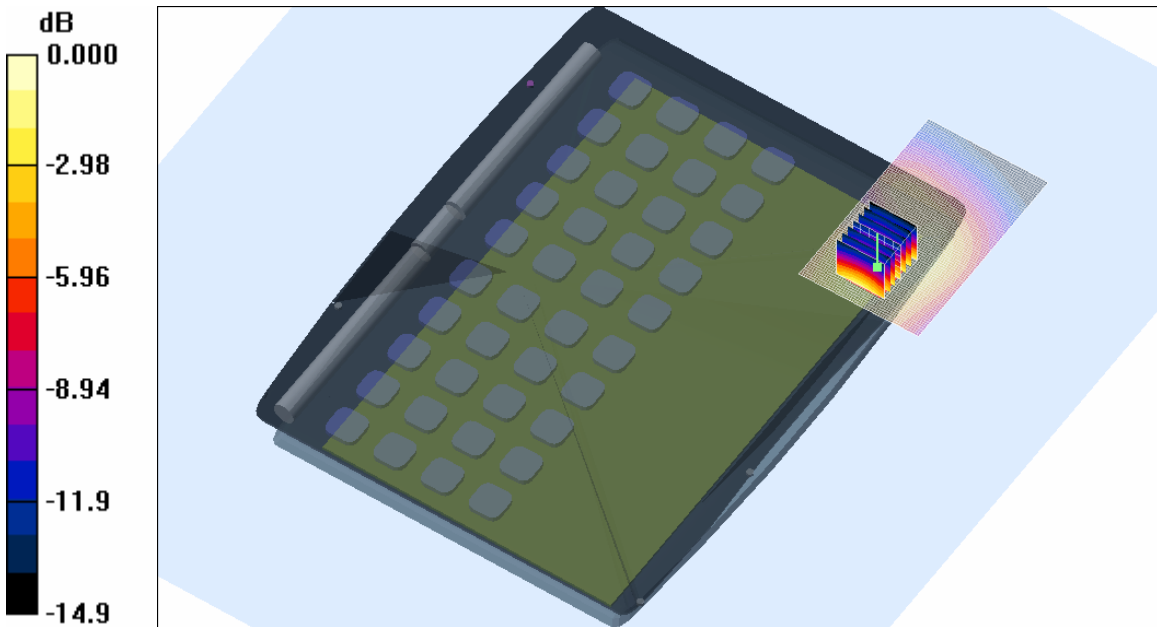
Channel 661 Test/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 10.4 V/m; Power Drift = -0.226 dB

Peak SAR (extrapolated) = 0.442 W/kg

SAR(1 g) = 0.261 mW/g; SAR(10 g) = 0.149 mW/g

Maximum value of SAR (measured) = 0.291 mW/g



0 dB = 0.291mW/g

SAR MEASUREMENT PLOT 9

Ambient Temperature
Liquid Temperature
Humidity

20.8 Degrees Celsius
20.5 Degrees Celsius
51.0 %

Test Date: 19 June 2008

File Name: 1900 MHz GPRS Class 12 Tablet Antenna Out 19-06-08.da4

DUT: Fujitsu Tablet Seneca LC 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: $f = 1849.8$ MHz; $\sigma = 1.5$ mho/m; $\epsilon_r = 51.6$; $\rho = 1000$ kg/m³

- Electronics: DAE3 Sn442; Probe: ET3DV6 - SN1377; ConvF(4.74, 4.74, 4.74)

- 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) = 0.513 mW/g

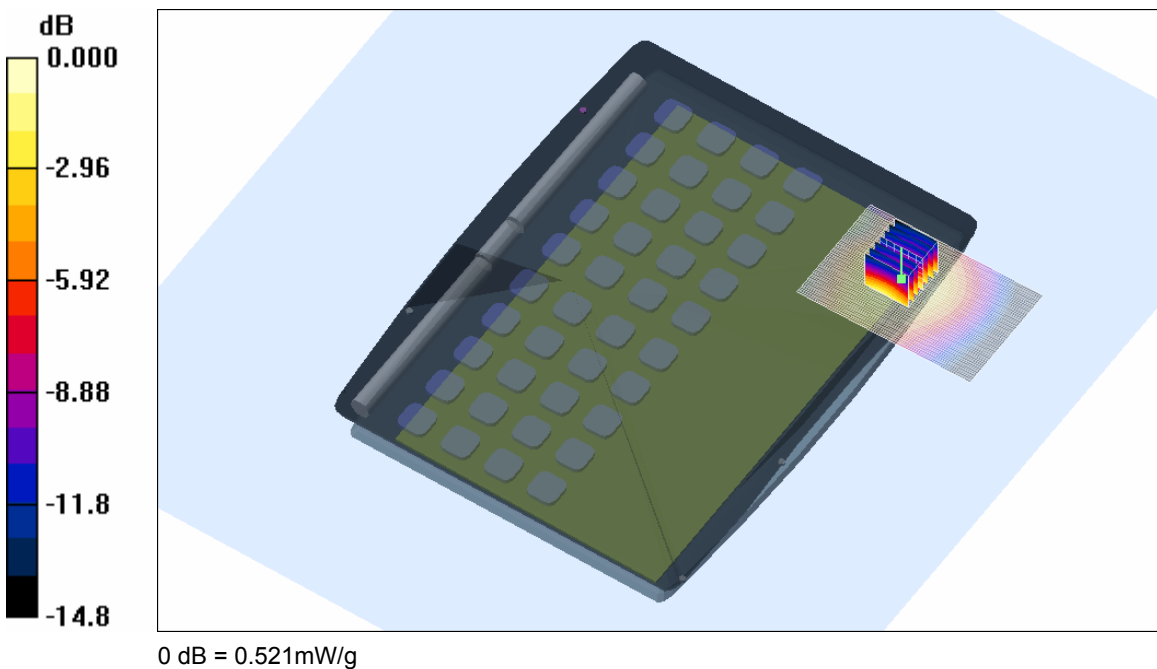
Channel 512 Test/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 6.86 V/m; Power Drift = -0.265 dB

Peak SAR (extrapolated) = 0.773 W/kg

SAR(1 g) = 0.477 mW/g; SAR(10 g) = 0.281 mW/g

Maximum value of SAR (measured) = 0.521 mW/g



SAR MEASUREMENT PLOT 10

Ambient Temperature
Liquid Temperature
Humidity

20.8 Degrees Celsius
20.5 Degrees Celsius
51.0 %

Test Date: 19 June 2008

File Name: 1900 MHz GPRS Class 12 Tablet Antenna Out 19-06-08.da4

DUT: Fujitsu Tablet Seneca LC 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: $f = 1881$ MHz; $\sigma = 1.52$ mho/m; $\epsilon_r = 51.5$; $\rho = 1000$ kg/m³

- Electronics: DAE3 Sn442; Probe: ET3DV6 - SN1377; ConvF(4.74, 4.74, 4.74)

- 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) = 0.418 mW/g

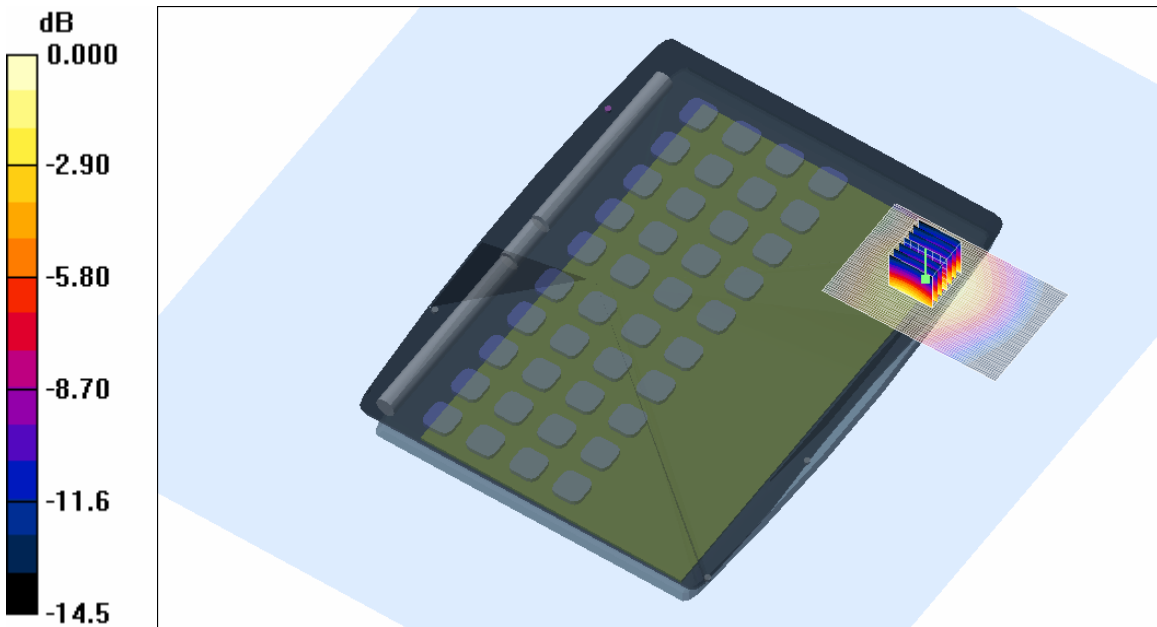
Channel 661 Test/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 5.76 V/m; Power Drift = 0.015 dB

Peak SAR (extrapolated) = 0.652 W/kg

SAR(1 g) = 0.395 mW/g; SAR(10 g) = 0.234 mW/g

Maximum value of SAR (measured) = 0.433 mW/g



SAR MEASUREMENT PLOT 11

Ambient Temperature
Liquid Temperature
Humidity

20.8 Degrees Celsius
20.5 Degrees Celsius
51.0 %

Test Date: 19 June 2008

File Name: 1900 MHz GPRS Class 12 Tablet Antenna Out 19-06-08.da4

DUT: Fujitsu Tablet Seneca LC 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: $f = 1909.6$ MHz; $\sigma = 1.53$ mho/m; $\epsilon_r = 51.4$; $\rho = 1000$ kg/m³

- Electronics: DAE3 Sn442; Probe: ET3DV6 - SN1377; ConvF(4.74, 4.74, 4.74)

- 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) = 0.288 mW/g

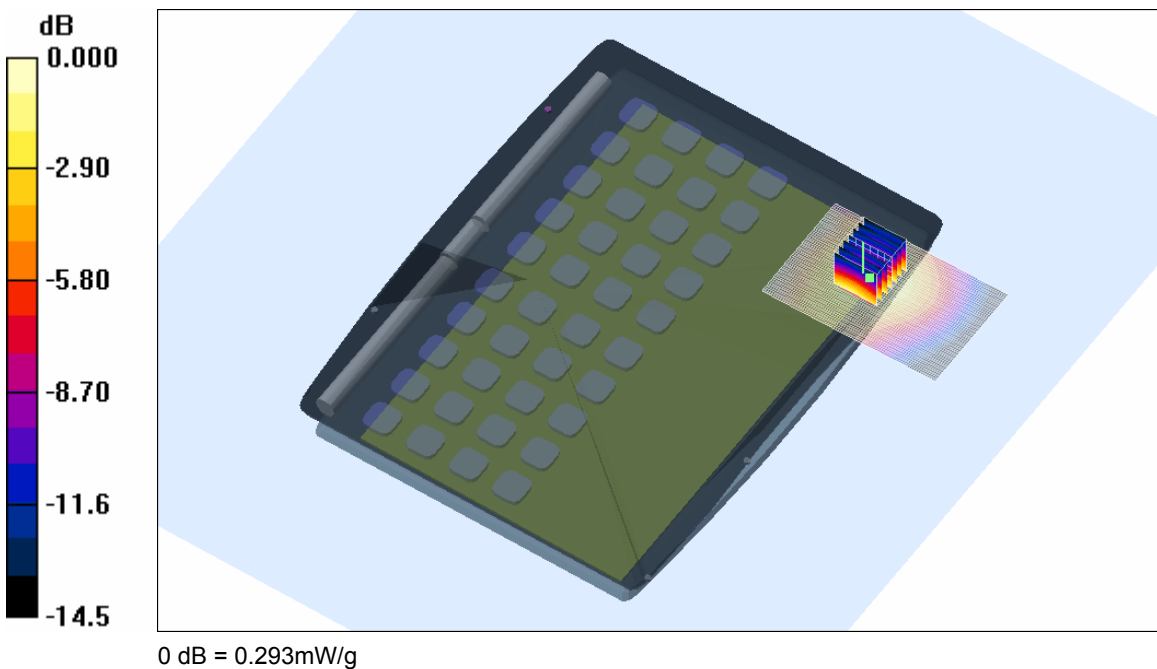
Channel 810 Test/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 4.97 V/m; Power Drift = 0.023 dB

Peak SAR (extrapolated) = 0.432 W/kg

SAR(1 g) = 0.267 mW/g; SAR(10 g) = 0.159 mW/g

Maximum value of SAR (measured) = 0.293 mW/g



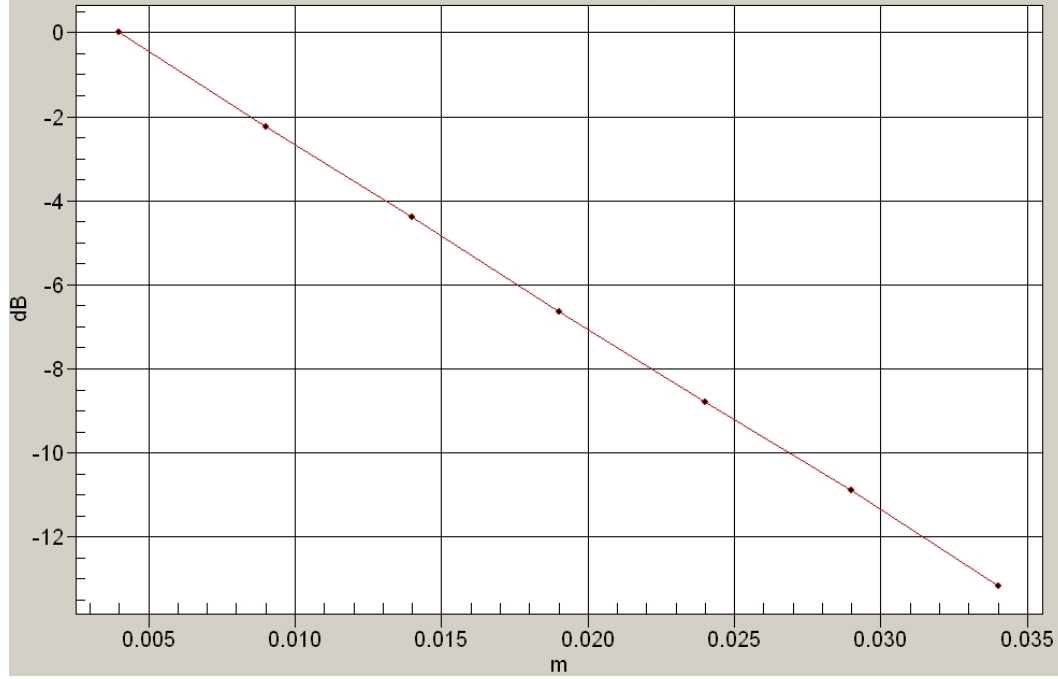
SAR MEASUREMENT PLOT 12

Ambient Temperature
Liquid Temperature
Humidity

20.8 Degrees Celsius
20.5 Degrees Celsius
51.0 %

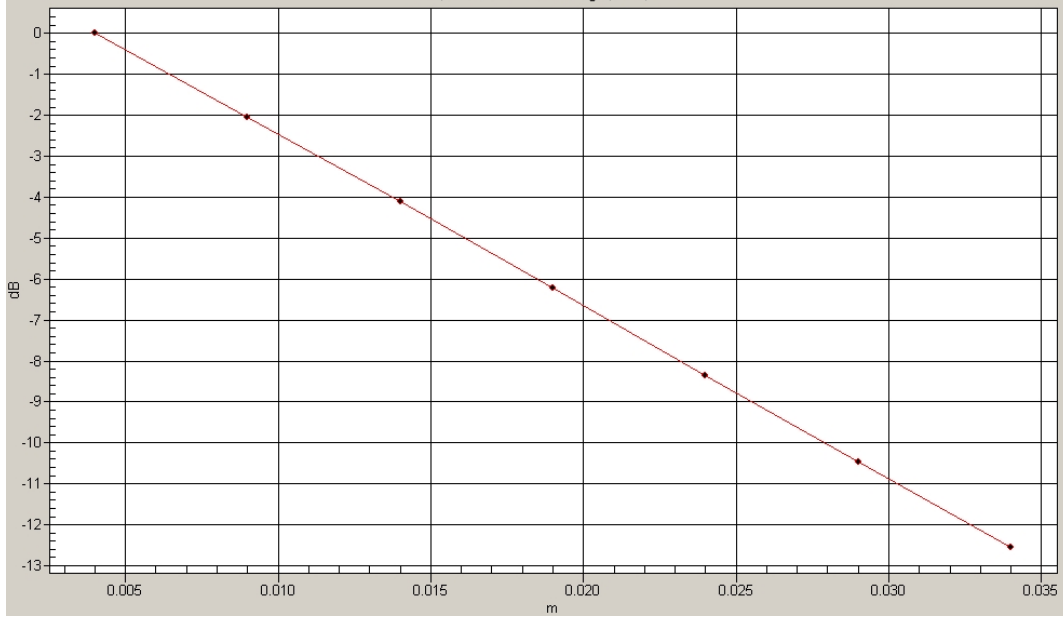
1g/10g Averaged SAR Tablet Channel 661 GPRS Class 12 Antenna In Test 1

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

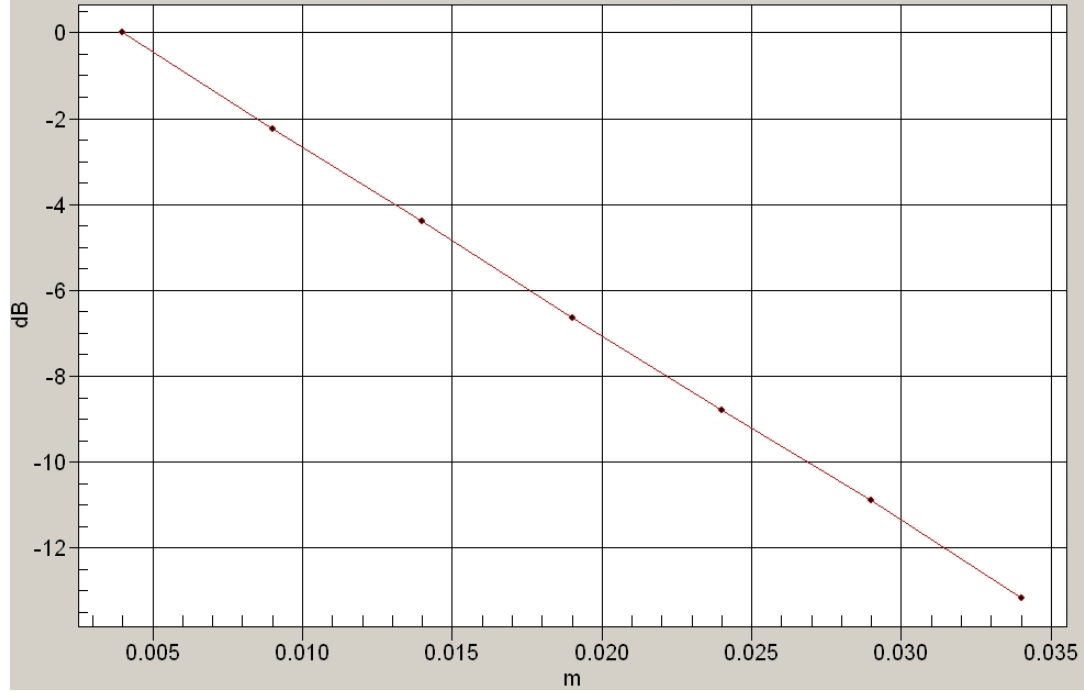


1g/10g Averaged SAR Tablet Channel 512 GPRS Class 12 Antenna Out Test 1

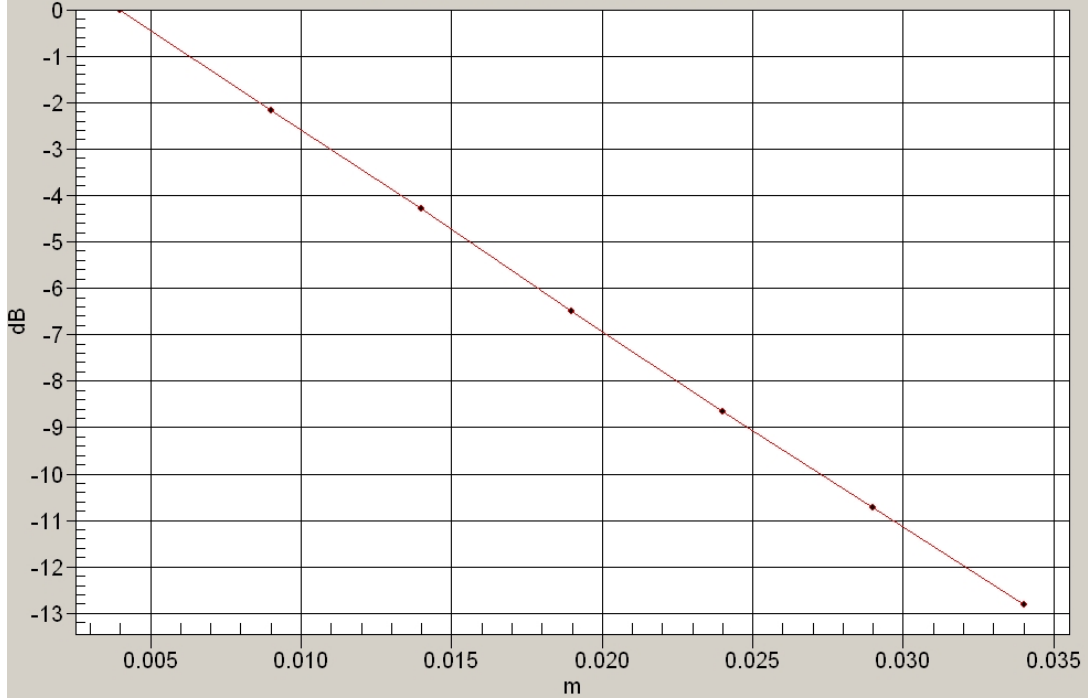
SAR; Zoom Scan: Value Along Z, X=3, Y=3



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 810 GPRS Class 12 Antenna Out Test 1
SAR; Zoom Scan: Value Along Z, X=4, Y=3



Test Date: 19 June 2008

File Name: 1900 MHz GPRS Class 10 Edge On Right Antenna In 19-06-08.da4

DUT: Fujitsu Tablet Seneca LC 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: $f = 1881$ MHz; $\sigma = 1.52$ mho/m; $\epsilon_r = 51.5$; $\rho = 1000$ kg/m³

- Electronics: DAE3 Sn442; Probe: ET3DV6 - SN1377; ConvF(4.74, 4.74, 4.74)

- 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) = 0.240 mW/g

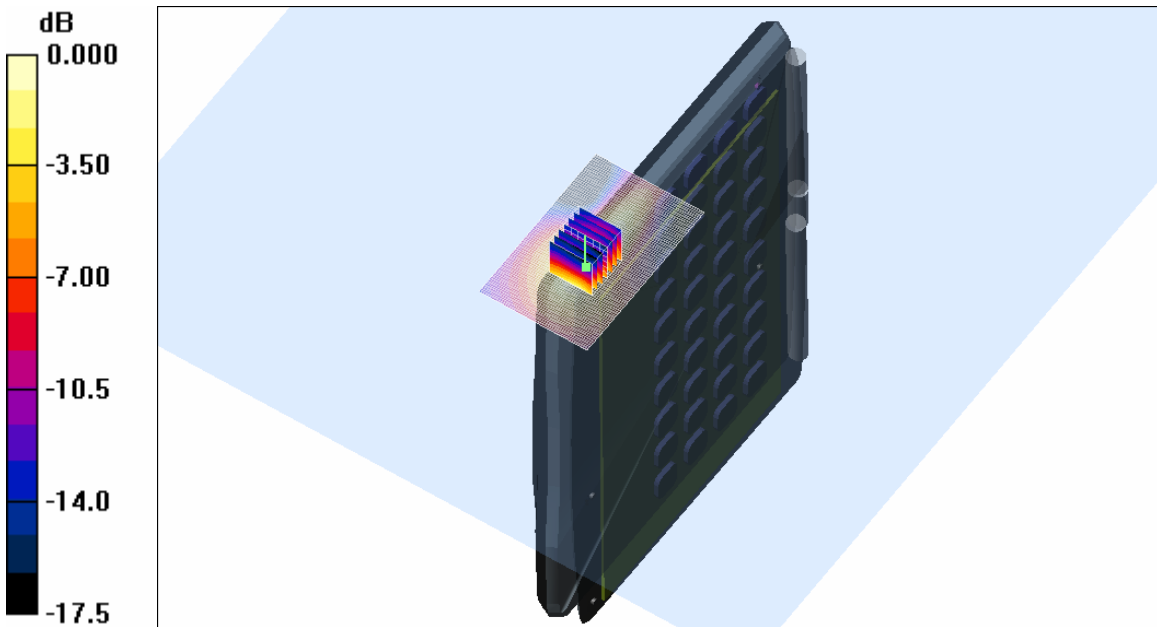
Channel 661 Test/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 11.1 V/m; Power Drift = -0.281 dB

Peak SAR (extrapolated) = 0.453 W/kg

SAR(1 g) = 0.205 mW/g; SAR(10 g) = 0.110 mW/g

Maximum value of SAR (measured) = 0.235 mW/g



0 dB = 0.235mW/g

SAR MEASUREMENT PLOT 13

Ambient Temperature
Liquid Temperature
Humidity

20.8 Degrees Celsius
20.5 Degrees Celsius
51.0 %

Test Date: 19 June 2008

File Name: 1900 MHz GPRS Class 11 Edge On Right Antenna In 19-06-08.da4

DUT: Fujitsu Tablet Seneca LC 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: $f = 1881$ MHz; $\sigma = 1.52$ mho/m; $\epsilon_r = 51.5$; $\rho = 1000$ kg/m³

- Electronics: DAE3 Sn442; Probe: ET3DV6 - SN1377; ConvF(4.74, 4.74, 4.74)

- 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) = 0.347 mW/g

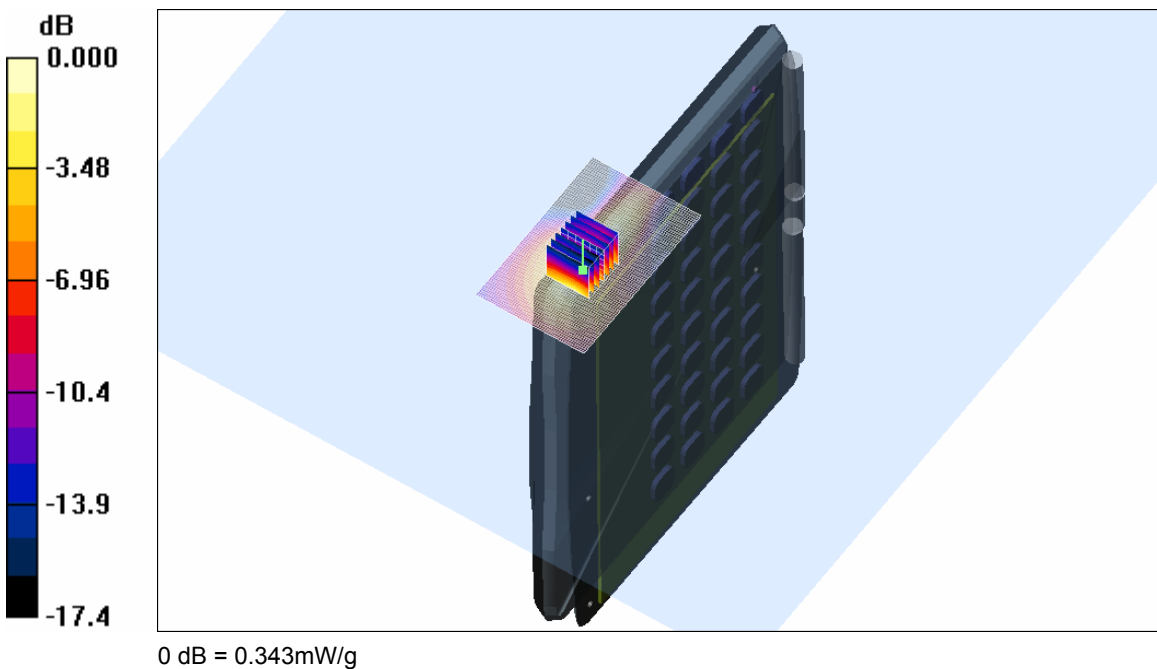
Channel 661 Test/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 13.0 V/m; Power Drift = -0.229 dB

Peak SAR (extrapolated) = 0.671 W/kg

SAR(1 g) = 0.300 mW/g; SAR(10 g) = 0.162 mW/g

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



SAR MEASUREMENT PLOT 14

Ambient Temperature
Liquid Temperature
Humidity

20.8 Degrees Celsius
20.5 Degrees Celsius
51.0 %

Test Date: 19 June 2008

File Name: 1900 MHz GPRS Class 12 Edge On Right Antenna In 19-06-08.da4

DUT: Fujitsu Tablet Seneca LC 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: $f = 1881$ MHz; $\sigma = 1.52$ mho/m; $\epsilon_r = 51.5$; $\rho = 1000$ kg/m³

- Electronics: DAE3 Sn442; Probe: ET3DV6 - SN1377; ConvF(4.74, 4.74, 4.74)

- 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) = 0.436 mW/g

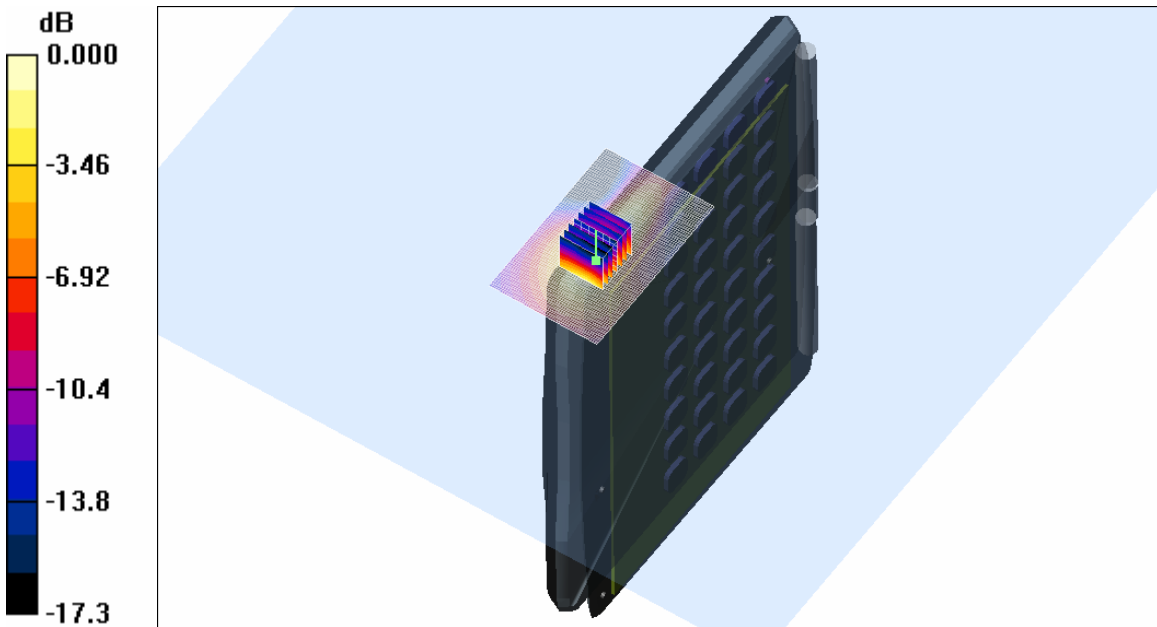
Channel 661 Test/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 14.6 V/m; Power Drift = -0.113 dB

Peak SAR (extrapolated) = 0.863 W/kg

SAR(1 g) = 0.387 mW/g; SAR(10 g) = 0.209 mW/g

Maximum value of SAR (measured) = 0.446 mW/g



SAR MEASUREMENT PLOT 15

Ambient Temperature
Liquid Temperature
Humidity

20.8 Degrees Celsius
20.5 Degrees Celsius
51.0 %

Test Date: 19 June 2008

File Name: 1900 MHz GPRS Class 12 Edge On Right Antenna Out 19-06-08.da4

DUT: Fujitsu Tablet Seneca LC 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: $f = 1881$ MHz; $\sigma = 1.52$ mho/m; $\epsilon_r = 51.5$; $\rho = 1000$ kg/m³

- Electronics: DAE3 Sn442; Probe: ET3DV6 - SN1377; ConvF(4.74, 4.74, 4.74)

- 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) = 0.433 mW/g

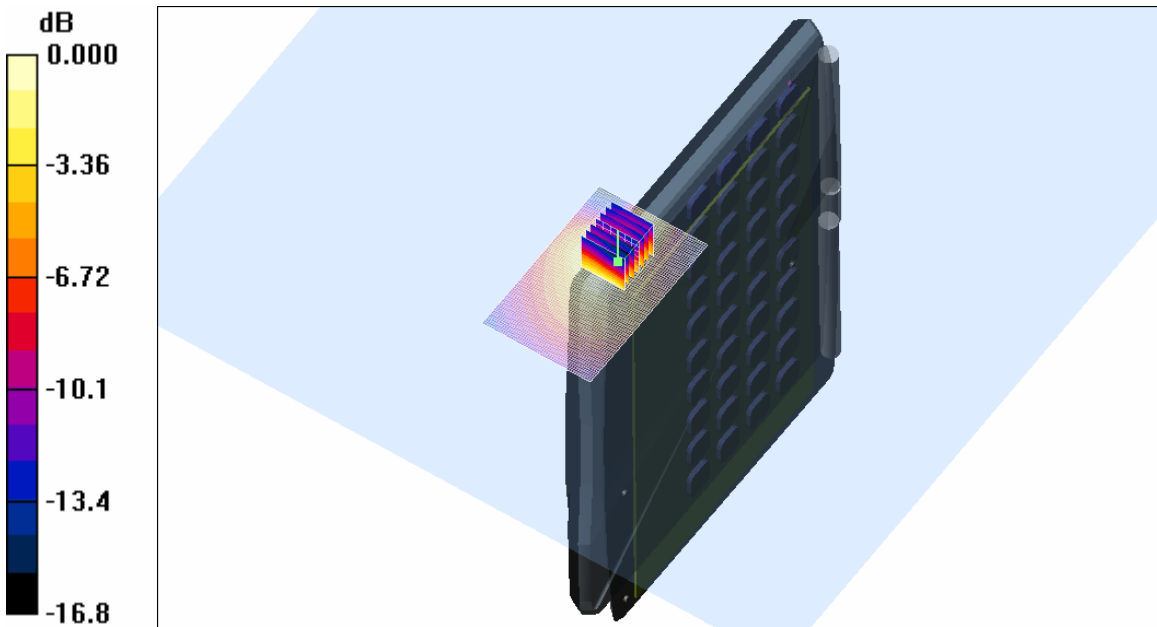
Channel 661 Test/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 9.00 V/m; Power Drift = 0.064 dB

Peak SAR (extrapolated) = 0.726 W/kg

SAR(1 g) = 0.366 mW/g; SAR(10 g) = 0.217 mW/g

Maximum value of SAR (measured) = 0.405 mW/g

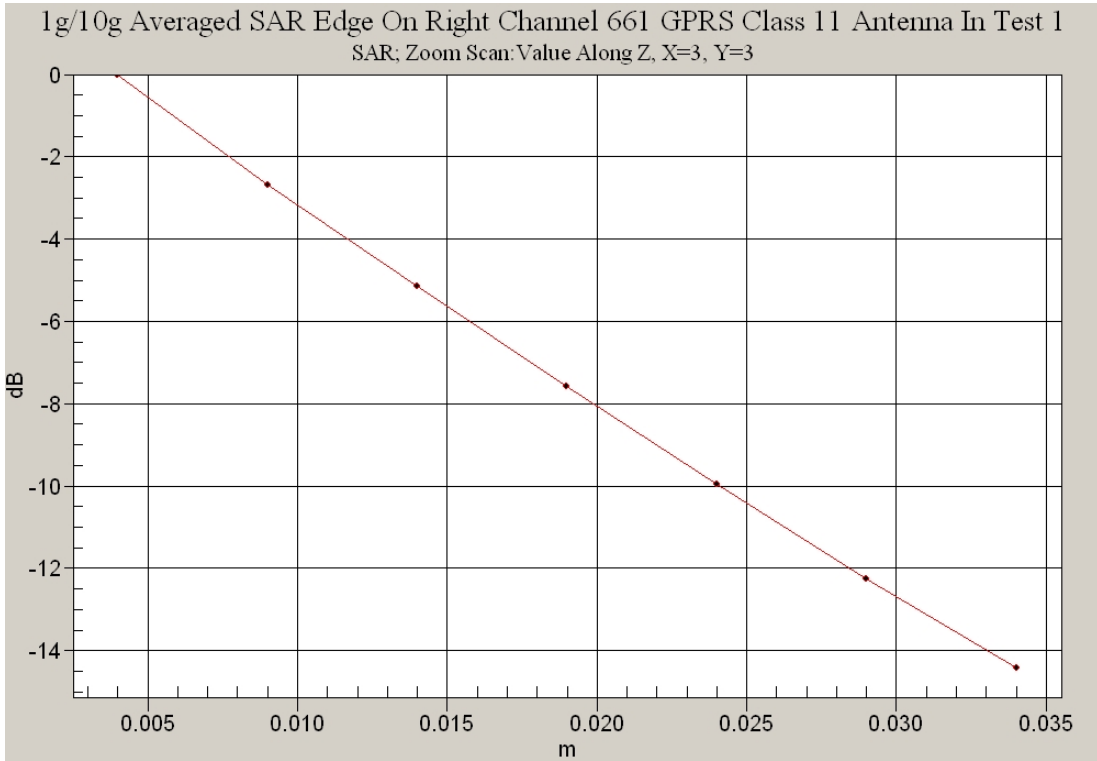
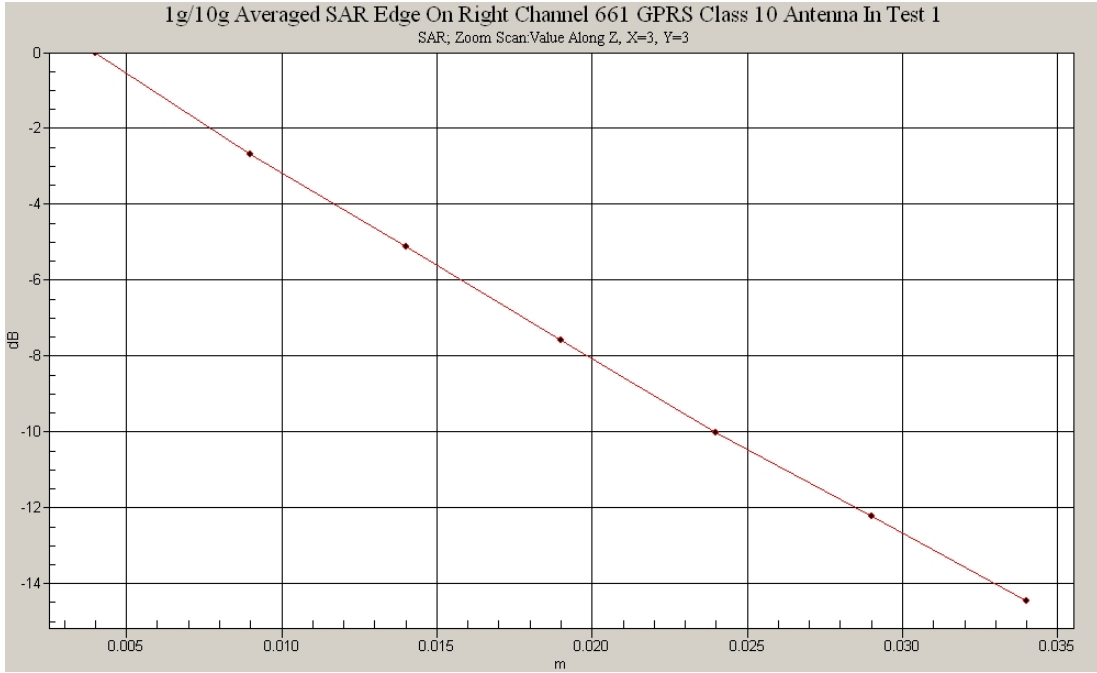


0 dB = 0.405mW/g

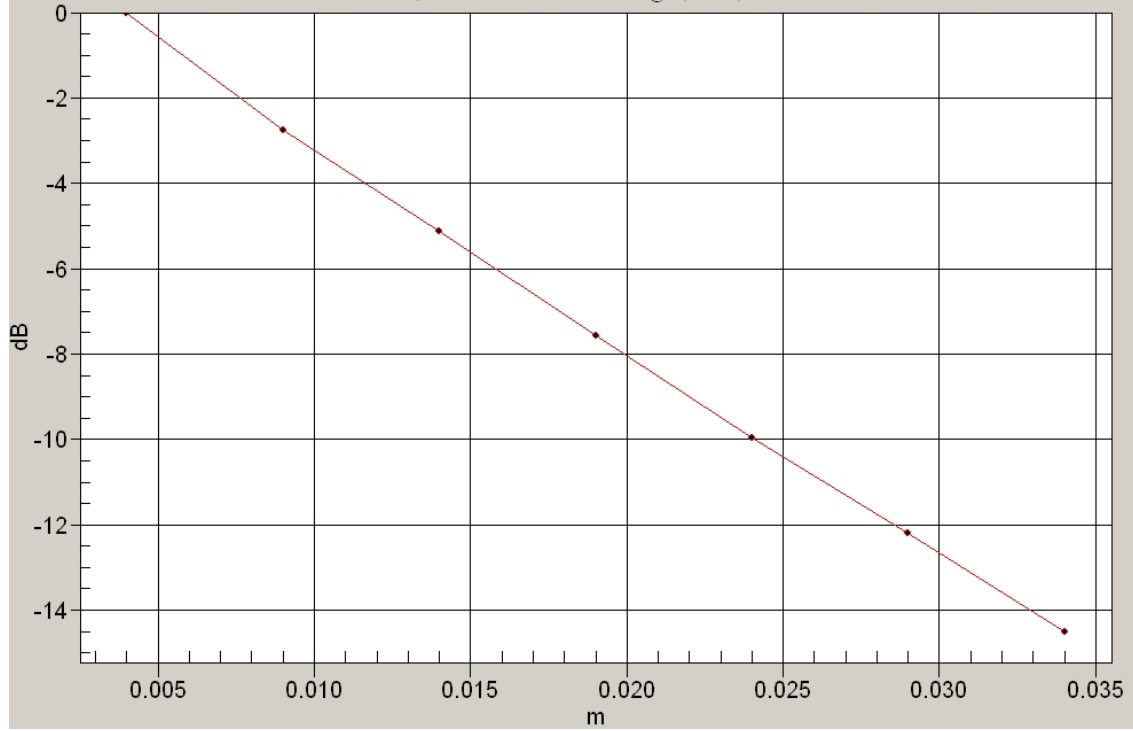
SAR MEASUREMENT PLOT 16

Ambient Temperature
Liquid Temperature
Humidity

20.8 Degrees Celsius
20.5 Degrees Celsius
51.0 %



lg/10g Averaged SAR Edge On Right Channel 661 GPRS Class 12 Antenna In Test 1
SAR; Zoom Scan: Value Along Z, X=3, Y=3



lg/10g Averaged SAR Edge On Right Channel 661 GPRS Class 12 Antenna Out Test 1
SAR; Zoom Scan: Value Along Z, X=3, Y=3

