

Test Date: 27 August 2008

File Name: Tablet 1900 MHz GPRS Class 11 Antenna Out 27-08-08.da4

DUT: Fujitsu Tablet Oneya 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: $f = 1881 \text{ MHz}$; $\sigma = 1.49 \text{ mho/m}$; $\epsilon_r = 50.8$; $\rho = 1000 \text{ kg/m}^3$

- 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 (71x51x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 1.44 mW/g

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

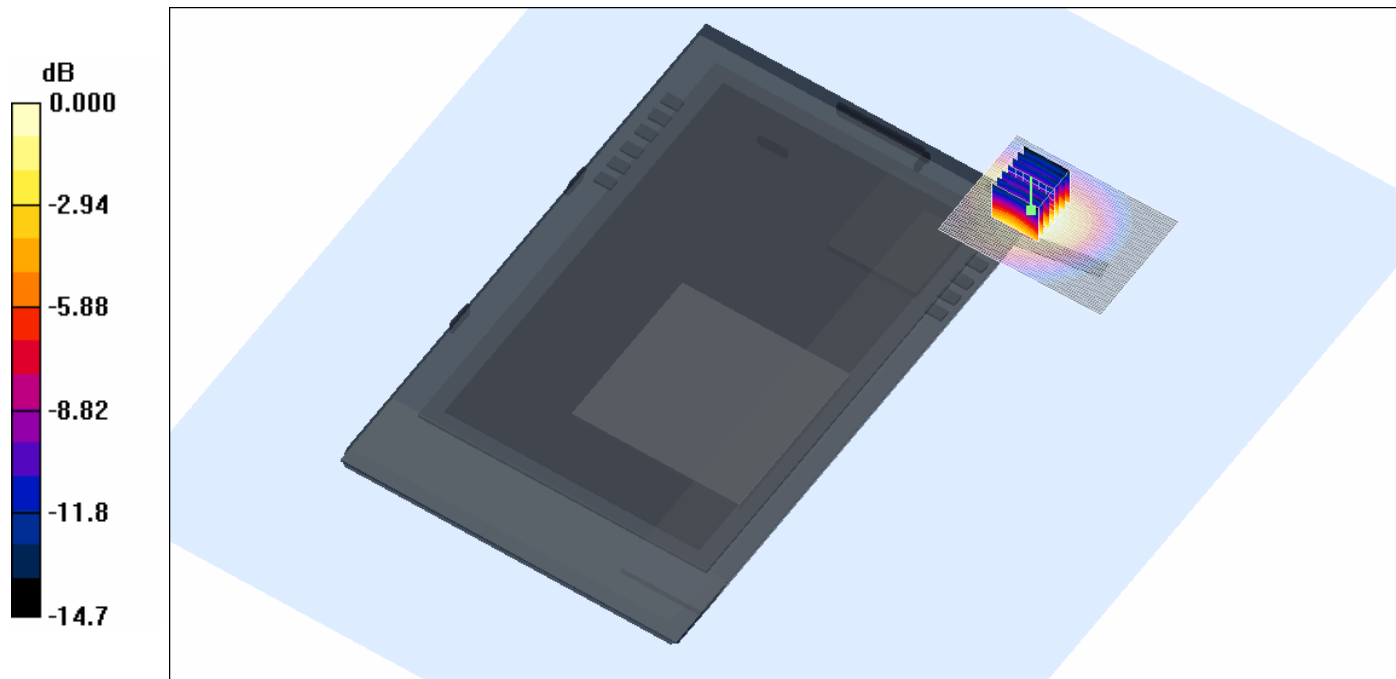
dz=5mm

Reference Value = 28.1 V/m; Power Drift = -0.102 dB

Peak SAR (extrapolated) = 2.21 W/kg

SAR(1 g) = 1.31 mW/g; SAR(10 g) = 0.771 mW/g

Maximum value of SAR (measured) = 1.42 mW/g



0 dB = 1.42mW/g

SAR MEASUREMENT PLOT 11

Ambient Temperature
Liquid Temperature
Humidity

20.1 Degrees Celsius
19.8 Degrees Celsius
45.0 %



Test Date: 27 August 2008

File Name: Tablet 1900 MHz GPRS Class 12 Antenna In 27-08-08.da4

DUT: Fujitsu Tablet Oneya 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: $f = 1881 \text{ MHz}$; $\sigma = 1.49 \text{ mho/m}$; $\epsilon_r = 50.8$; $\rho = 1000 \text{ kg/m}^3$

- 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 (51x71x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.007 mW/g

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

dz=5mm

Reference Value = 2.00 V/m; Power Drift = -2.92 dB

Peak SAR (extrapolated) = 0.012 W/kg

SAR(1 g) = 0.00581 mW/g; SAR(10 g) = 0.00286 mW/g

Maximum value of SAR (measured) = 0.007 mW/g



0 dB = 0.007mW/g

SAR MEASUREMENT PLOT 12

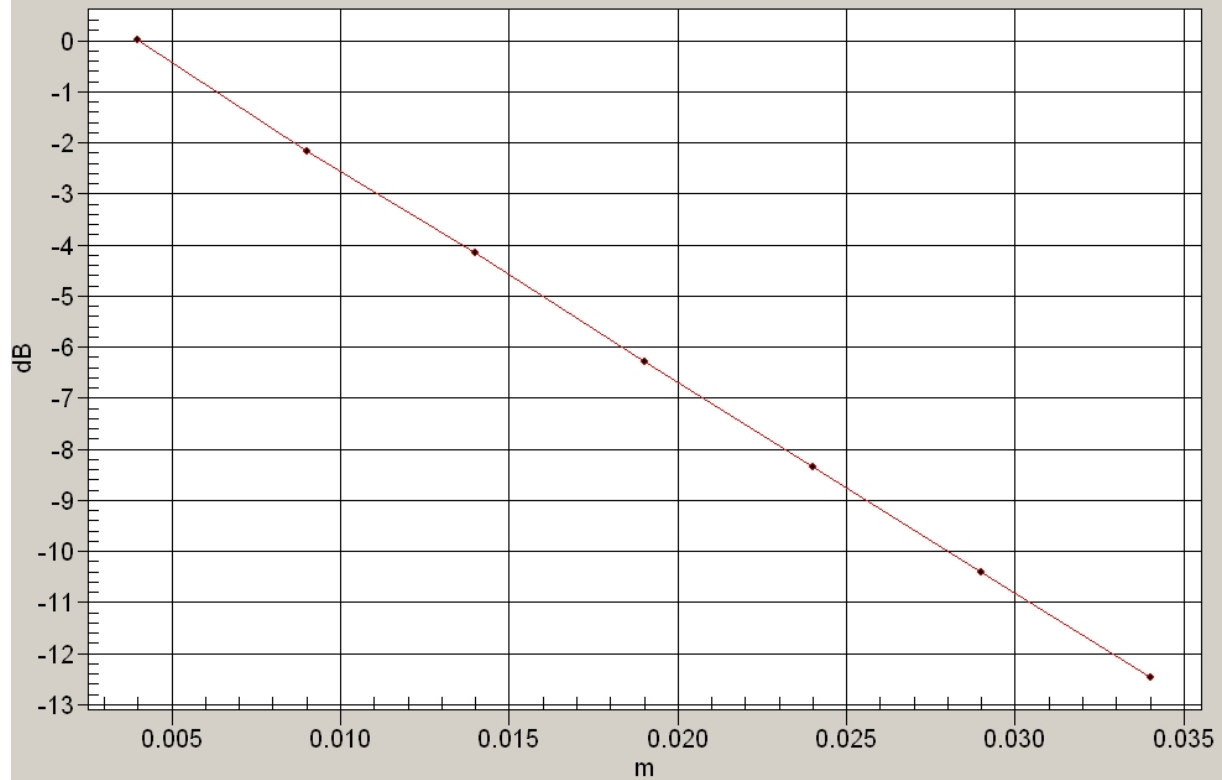
Ambient Temperature
Liquid Temperature
Humidity

20.1 Degrees Celsius
19.8 Degrees Celsius
45.0 %



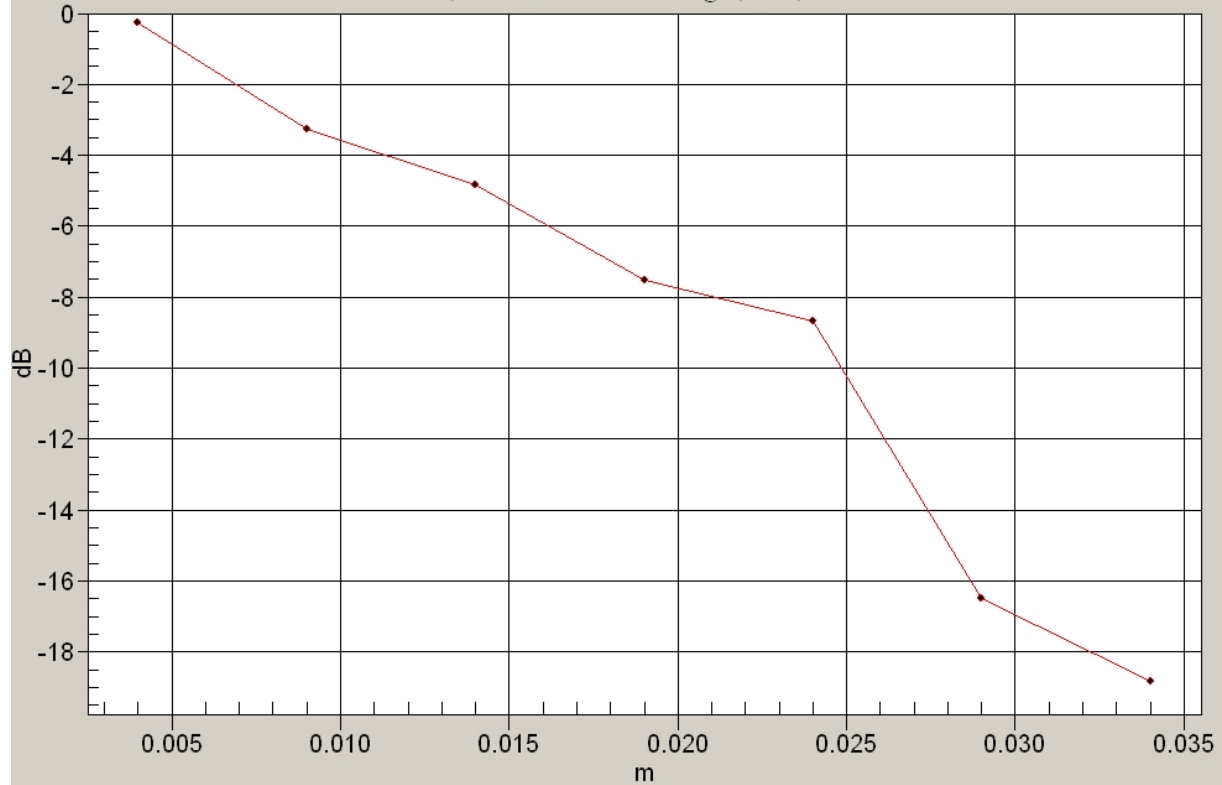
1g/10g Averaged SAR Tablet Channel 661 GPRS Class 11 Ant Out Test 1

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



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

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



Test Date: 1 September 2008

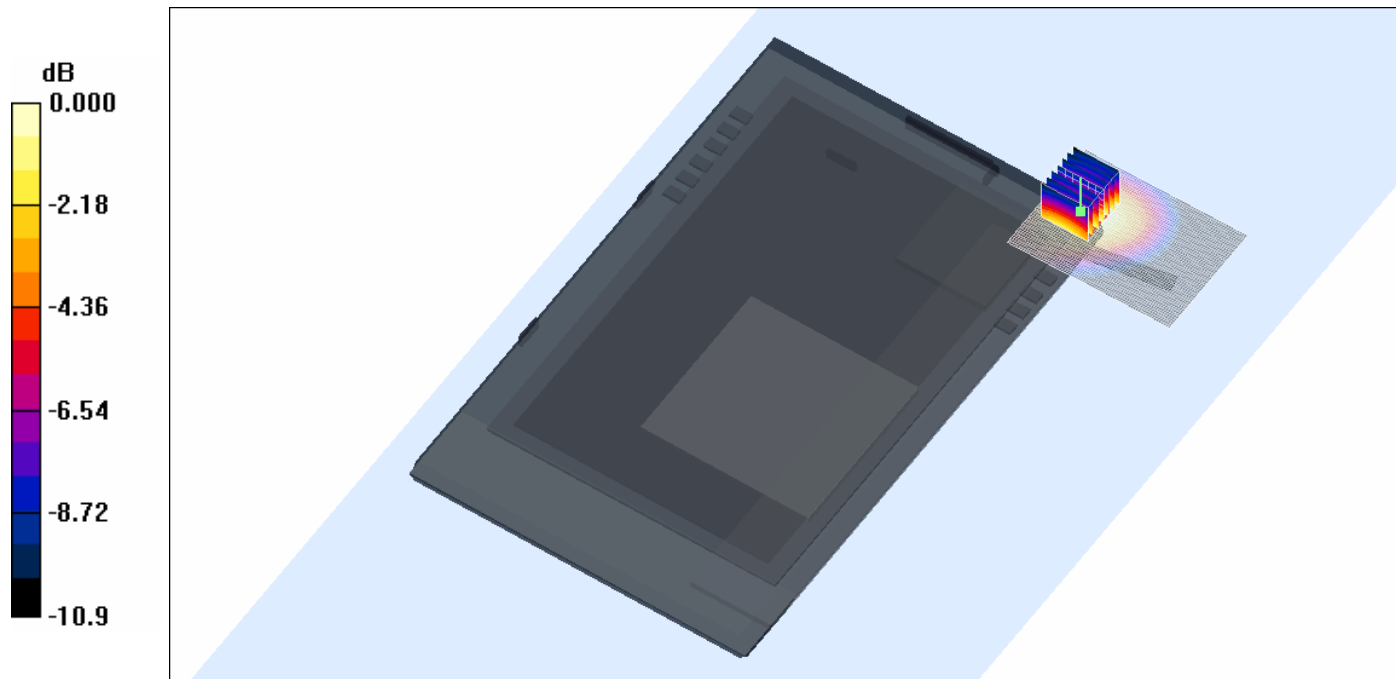
File Name: Tablet 850 MHz 3G Antenna Out 01-09-08.da4

DUT: Fujitsu Tablet Oneya 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: $f = 826$ MHz; $\sigma = 0.984$ mho/m; $\epsilon_r = 53.9$; $\rho = 1000$ 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 4132 Test/Area Scan (71x51x1): Measurement grid: dx=15mm, dy=15mm
 Maximum value of SAR (interpolated) = 0.899 mW/g

Channel 4132 Test/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
 Reference Value = 22.0 V/m; Power Drift = 0.032 dB
 Peak SAR (extrapolated) = 1.14 W/kg
SAR(1 g) = 0.822 mW/g; SAR(10 g) = 0.545 mW/g
 Maximum value of SAR (measured) = 0.897 mW/g



SAR MEASUREMENT PLOT 13

Ambient Temperature
 Liquid Temperature
 Humidity

20.4 Degrees Celsius
 20.1 Degrees Celsius
 43.0 %



Test Date: 1 September 2008

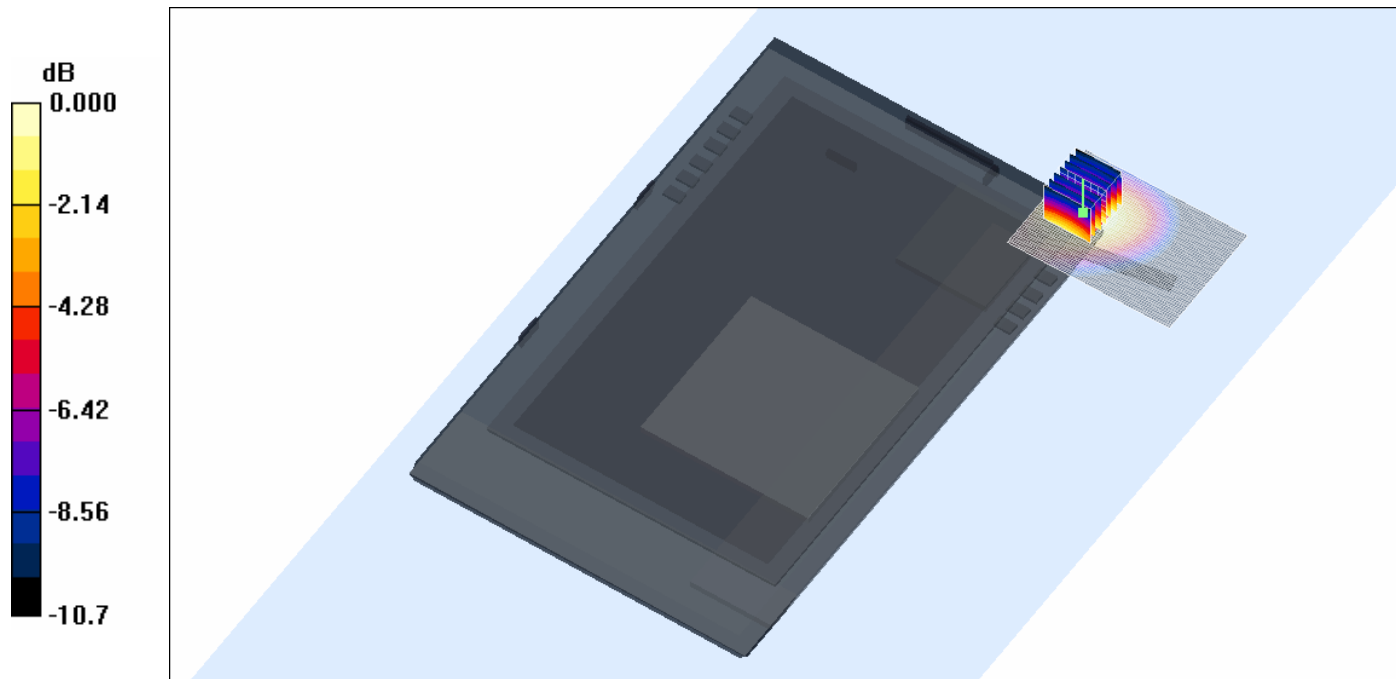
File Name: Tablet 850 MHz 3G Antenna Out 01-09-08.da4

DUT: Fujitsu Tablet Oneya 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: $f = 836 \text{ MHz}$; $\sigma = 0.994 \text{ mho/m}$; $\epsilon_r = 53.8$; $\rho = 1000 \text{ kg/m}^3$
- 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 (71x51x1): Measurement grid: dx=15mm, dy=15mm
 Maximum value of SAR (interpolated) = 0.902 mW/g

Channel 4183 Test/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
 Reference Value = 21.7 V/m; Power Drift = -0.022 dB
 Peak SAR (extrapolated) = 1.12 W/kg
SAR(1 g) = 0.817 mW/g; SAR(10 g) = 0.542 mW/g
 Maximum value of SAR (measured) = 0.885 mW/g



0 dB = 0.885mW/g

SAR MEASUREMENT PLOT 14

Ambient Temperature
 Liquid Temperature
 Humidity

20.4 Degrees Celsius
 20.1 Degrees Celsius
 43.0 %



Test Date: 1 September 2008

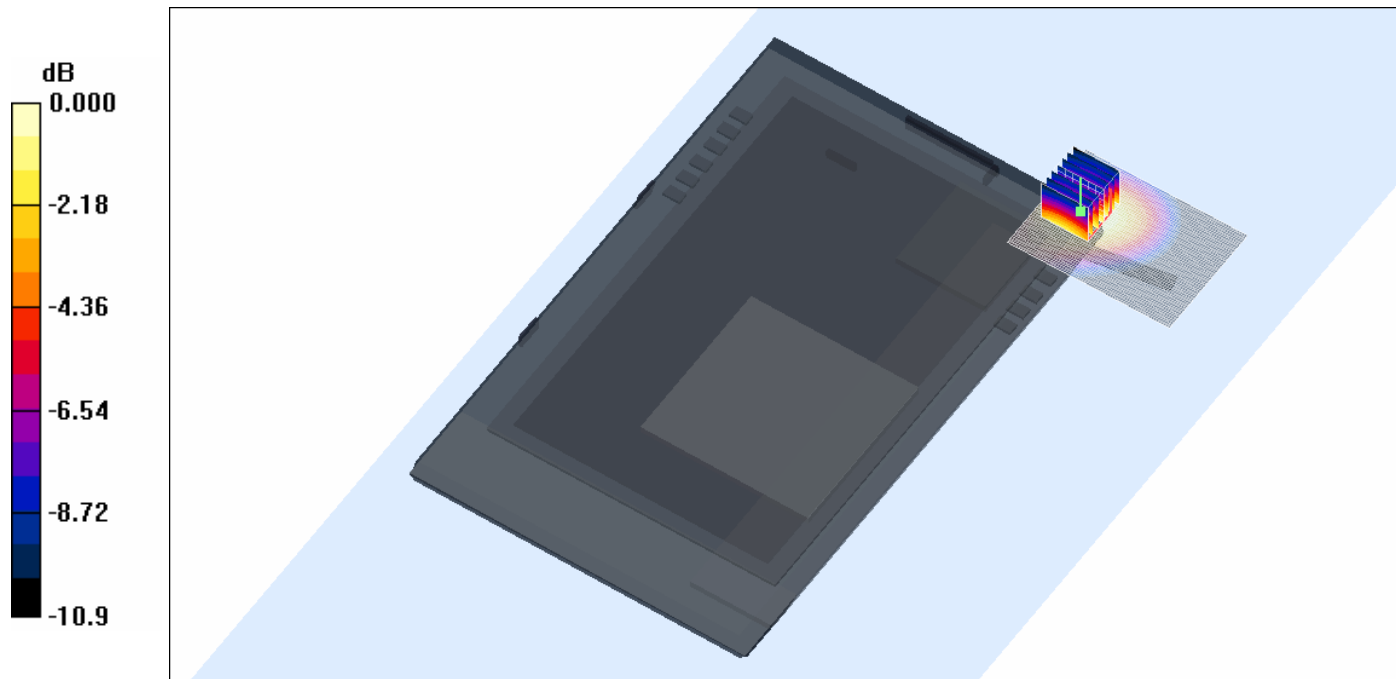
File Name: Tablet 850 MHz 3G Antenna Out 01-09-08.da4

DUT: **Fujitsu Tablet Oneya 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: $f = 846 \text{ MHz}$; $\sigma = 1 \text{ mho/m}$; $\epsilon_r = 53.7$; $\rho = 1000 \text{ kg/m}^3$
- 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 (71x51x1): Measurement grid: dx=15mm, dy=15mm
 Maximum value of SAR (interpolated) = 1.00 mW/g

Channel 4233 Test/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
 Reference Value = 23.0 V/m; Power Drift = -0.023 dB
 Peak SAR (extrapolated) = 1.25 W/kg
SAR(1 g) = 0.913 mW/g; SAR(10 g) = 0.605 mW/g
 Maximum value of SAR (measured) = 0.991 mW/g



0 dB = 0.991mW/g

SAR MEASUREMENT PLOT 15

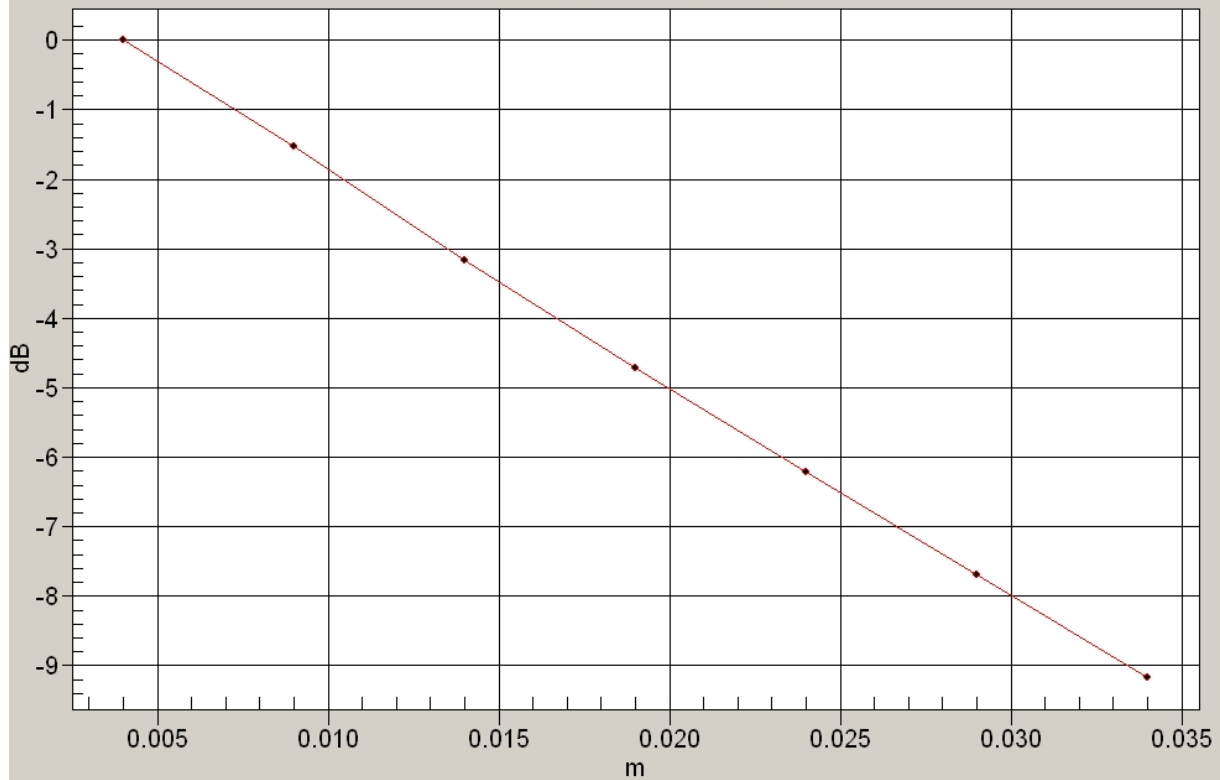
Ambient Temperature
Liquid Temperature
Humidity

20.4 Degrees Celsius
20.1 Degrees Celsius
43.0 %



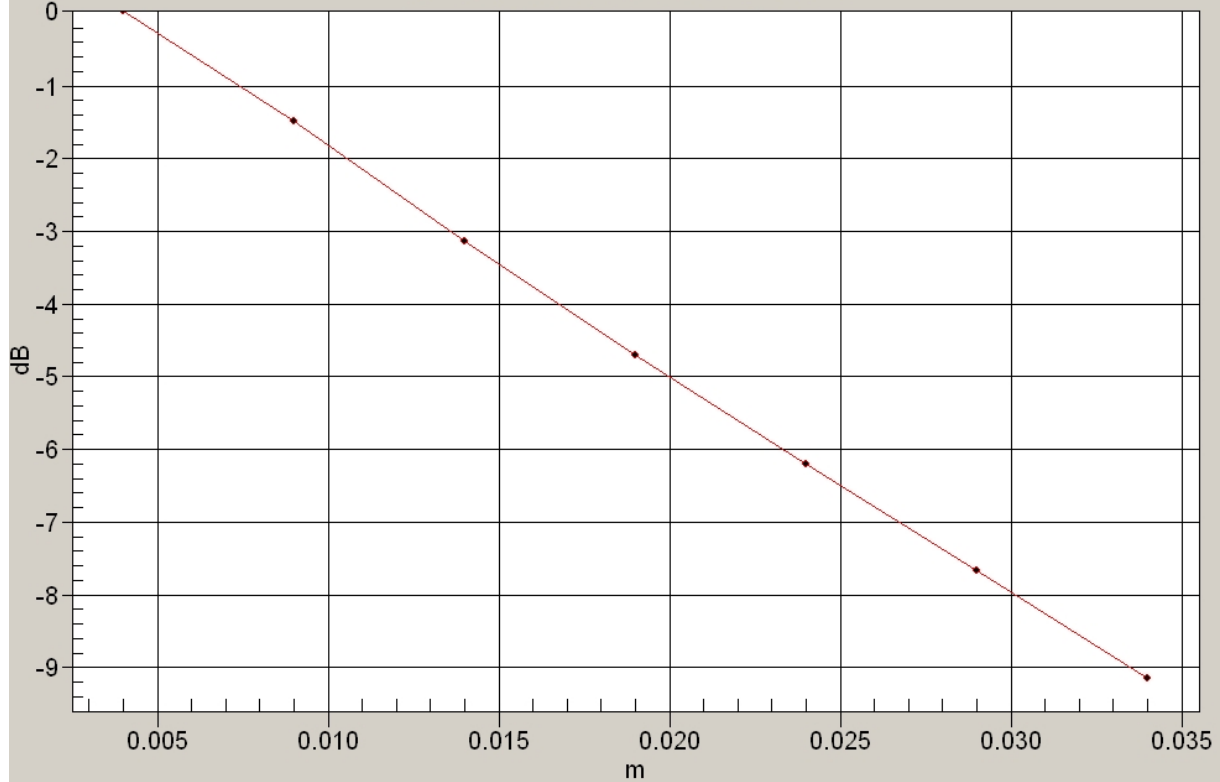
1g/10g Averaged SAR Tablet Channel 4132 Antenna Out Test 1

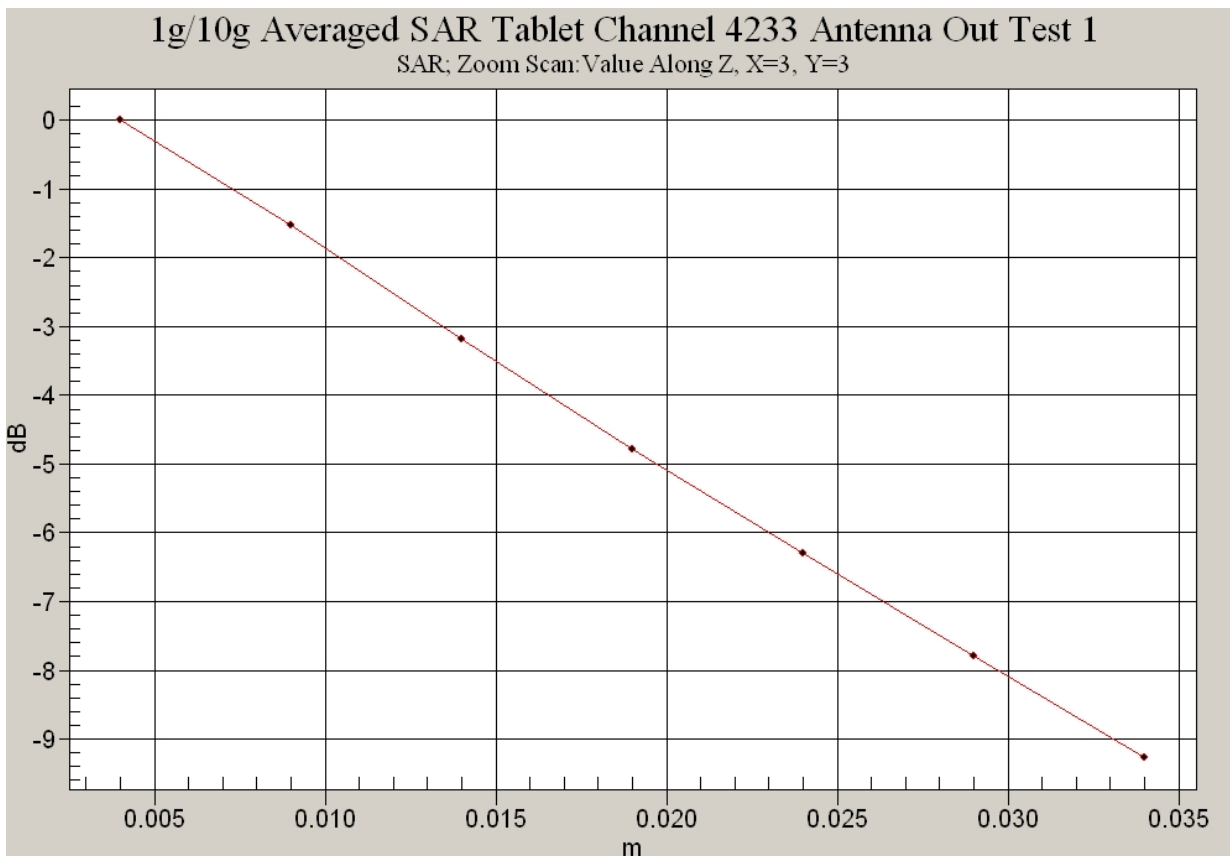
SAR; Zoom Scan: Value Along Z, X=3, Y=3



1g/10g Averaged SAR Tablet Channel 4183 Antenna Out Test 1

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





Test Date: 27 August 2008

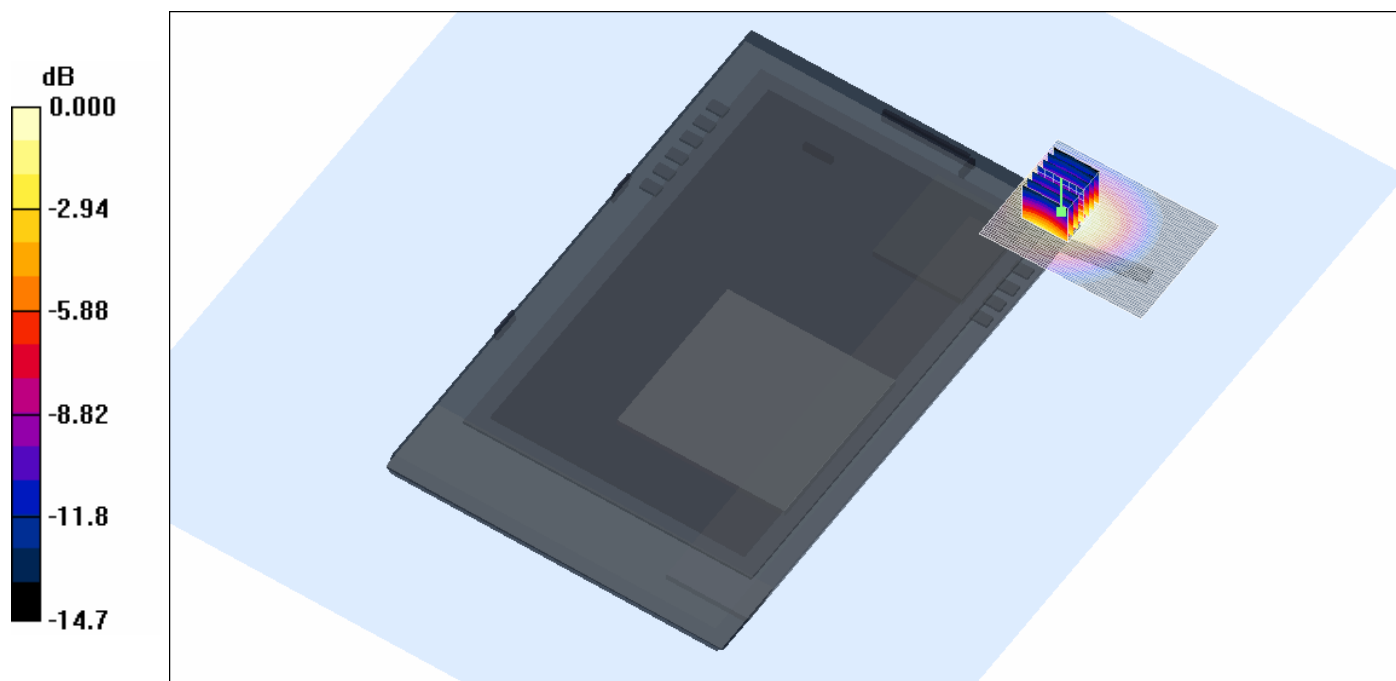
File Name: Tablet 1900 MHz 3G Antenna Out 27-08-08.da4

DUT: **Fujitsu Tablet Oneya 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: $f = 1852.4$ MHz; $\sigma = 1.47$ 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 9262 Test/Area Scan (71x51x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 1.06 mW/g

Channel 9262 Test/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 14.3 V/m; Power Drift = -0.005 dB
Peak SAR (extrapolated) = 1.66 W/kg
SAR(1 g) = 0.984 mW/g; SAR(10 g) = 0.576 mW/g
Maximum value of SAR (measured) = 1.07 mW/g



0 dB = 1.07mW/g

SAR MEASUREMENT PLOT 16

Ambient Temperature
Liquid Temperature
Humidity

20.1 Degrees Celsius
19.8 Degrees Celsius
45.0 %



Test Date: 27 August 2008

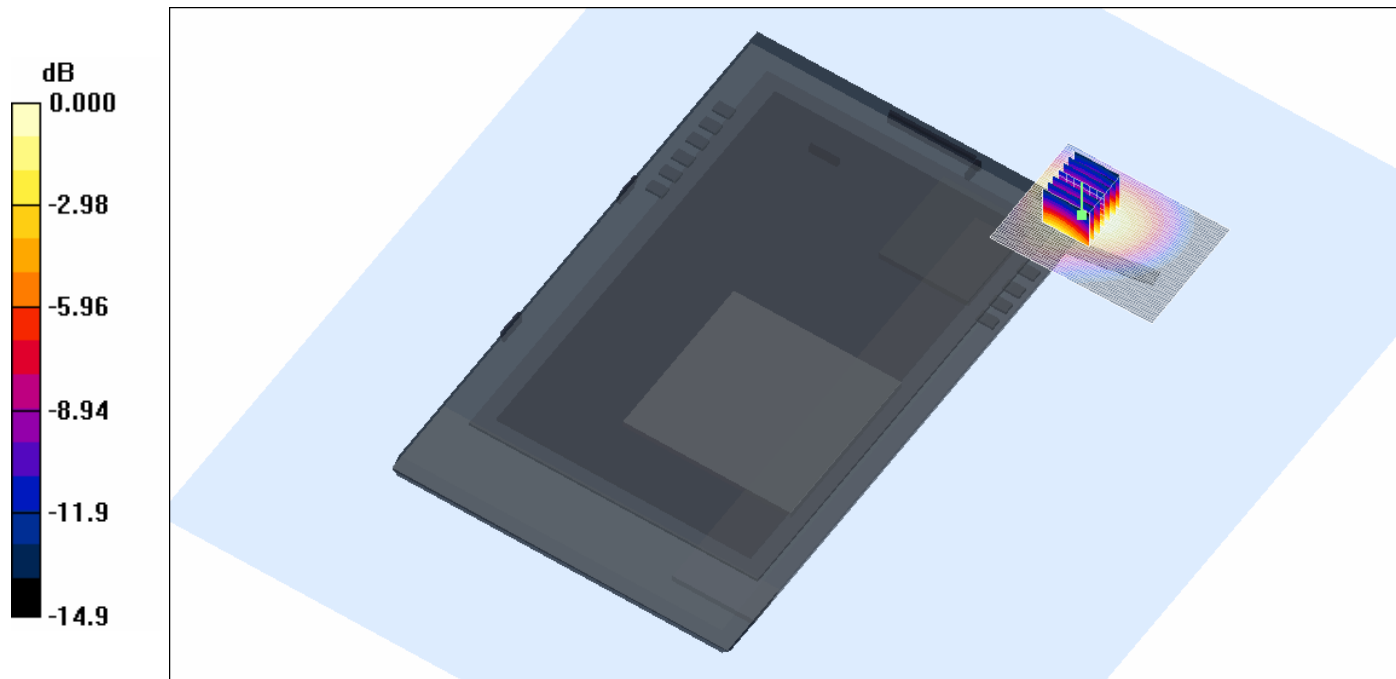
File Name: Tablet 1900 MHz 3G Antenna Out 27-08-08.da4

DUT: **Fujitsu Tablet Oneya 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: $f = 1881 \text{ MHz}$; $\sigma = 1.49 \text{ mho/m}$; $\epsilon_r = 50.8$; $\rho = 1000 \text{ kg/m}^3$
- 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 9400 Test/Area Scan (71x51x1): Measurement grid: dx=15mm, dy=15mm
 Maximum value of SAR (interpolated) = 1.06 mW/g

Channel 9400 Test/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
 Reference Value = 22.1 V/m; Power Drift = -0.024 dB
 Peak SAR (extrapolated) = 1.61 W/kg
SAR(1 g) = 0.974 mW/g; SAR(10 g) = 0.587 mW/g
 Maximum value of SAR (measured) = 1.04 mW/g



0 dB = 1.04mW/g

SAR MEASUREMENT PLOT 17

Ambient Temperature
 Liquid Temperature
 Humidity

20.1 Degrees Celsius
19.8 Degrees Celsius
45.0 %



Test Date: 27 August 2008

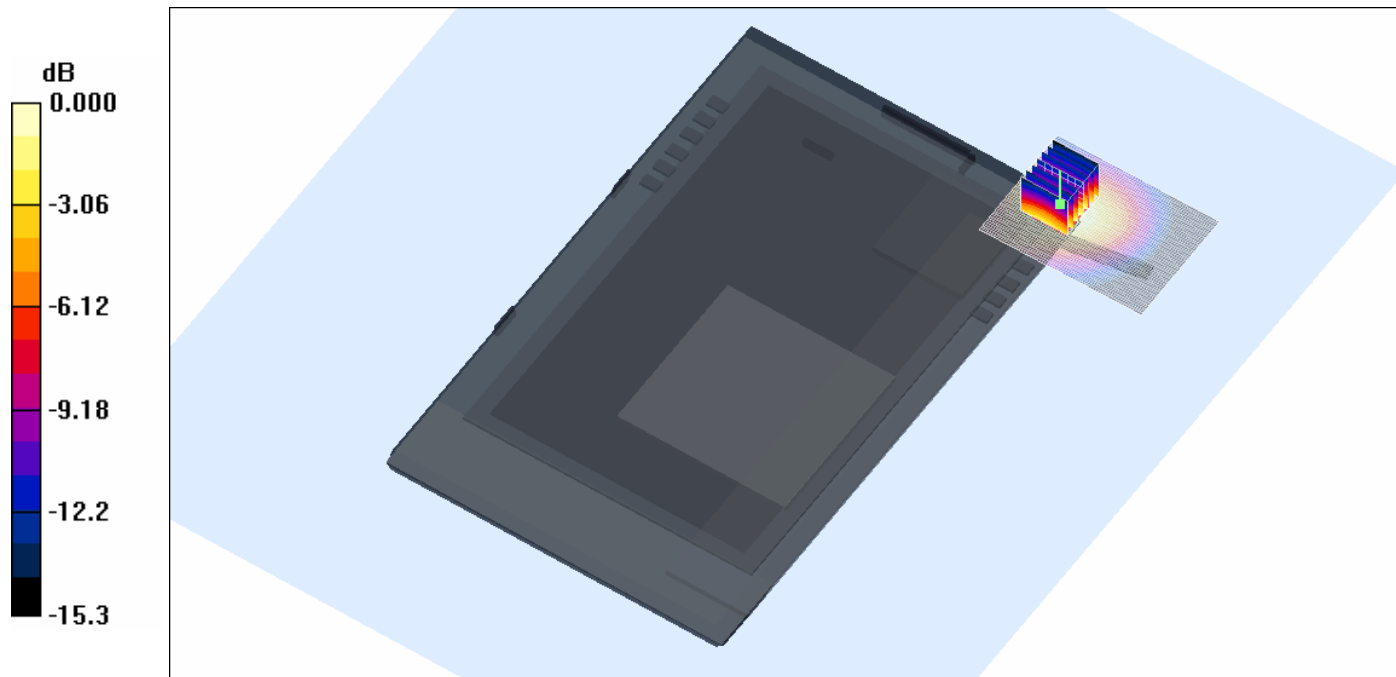
File Name: Tablet 1900 MHz 3G Antenna Out 27-08-08.da4

DUT: Fujitsu Tablet Oneya 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: $f = 1907 \text{ MHz}$; $\sigma = 1.51 \text{ mho/m}$; $\epsilon_r = 50.7$; $\rho = 1000 \text{ kg/m}^3$
- 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 9538 Test/Area Scan (71x51x1): Measurement grid: dx=15mm, dy=15mm
 Maximum value of SAR (interpolated) = 1.04 mW/g

Channel 9538 Test/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
 Reference Value = 14.8 V/m; Power Drift = -0.165 dB
 Peak SAR (extrapolated) = 1.59 W/kg
SAR(1 g) = 0.926 mW/g; SAR(10 g) = 0.544 mW/g
 Maximum value of SAR (measured) = 1.00 mW/g



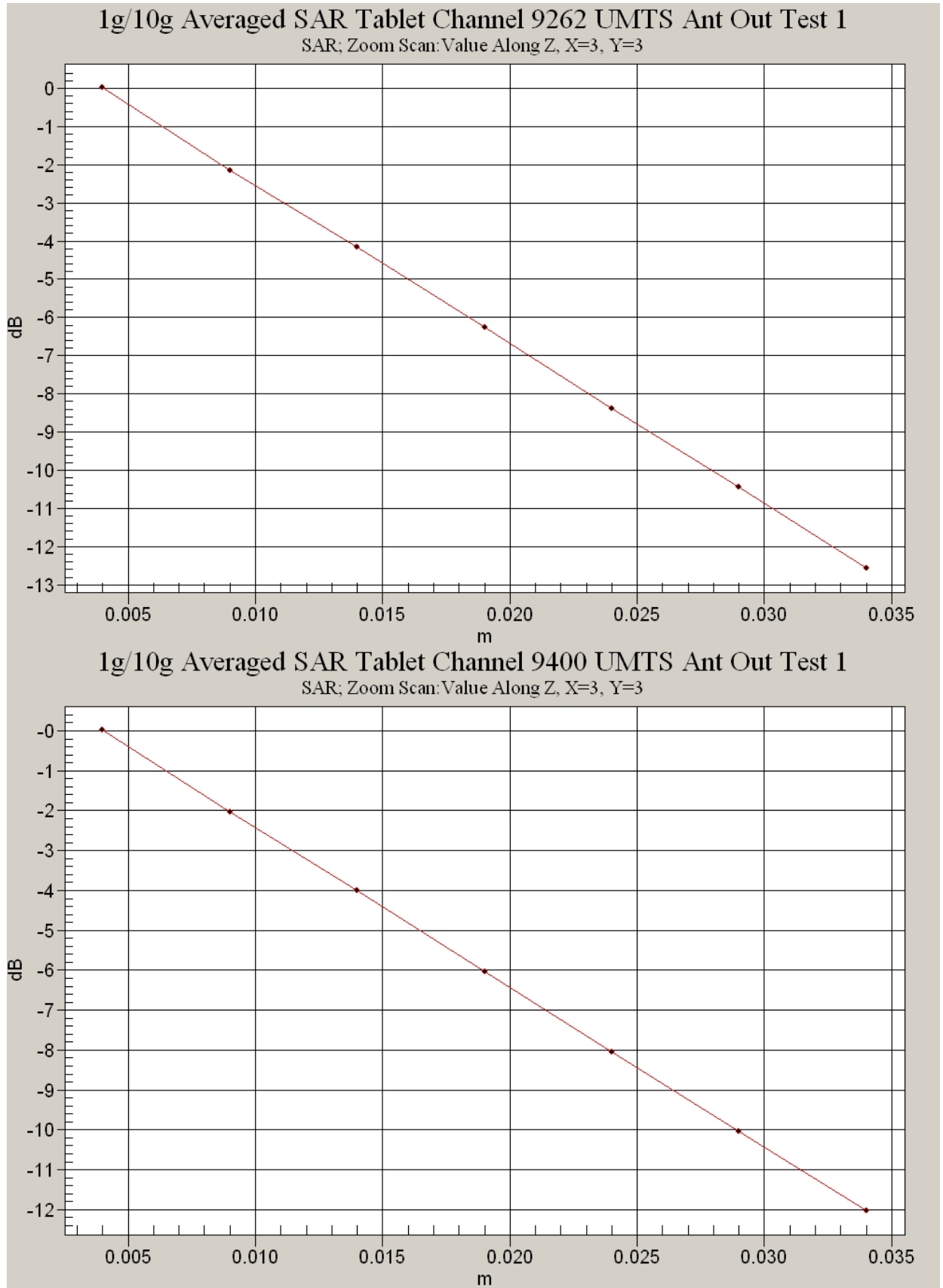
0 dB = 1.00mW/g

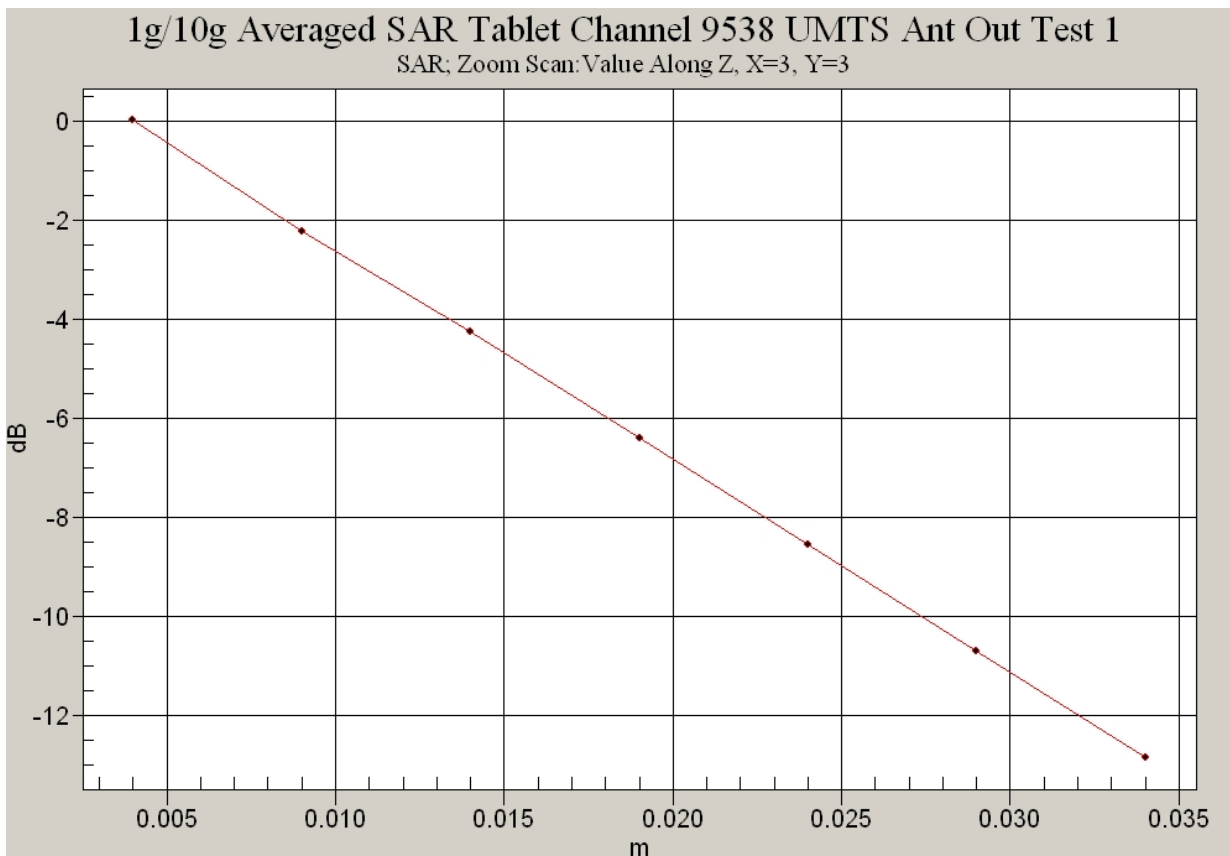
SAR MEASUREMENT PLOT 18

Ambient Temperature
Liquid Temperature
Humidity

20.1 Degrees Celsius
19.8 Degrees Celsius
45.0 %







DASY4 Configuration for Tablet Position/Channel 190 Test/Volume Scan:

Date/Time: 11/09/2008 5:50:52 PM

Test Laboratory: EMC Technologies

File Name: Tablet 850 MHz GPRS Class 10 Antenna Out Multiband 11-09-08.da4**DUT: Fujitsu Tablet Oneya with SP 3x3 abgn; Type: HMW_533AN; Serial: MAC: 0016EA16277E**

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

Medium: Body 900 MHz Medium parameters used: $f = 836$ MHz; $\sigma = 0.988$ mho/m; $\epsilon_r = 53.8$; $\rho = 1000$ kg/m³

Phantom section: Flat 2.2 Section

Measurement Standard: DASY4 (High Precision Assessment)

- Probe: EX3DV4 - SN3563; ConvF(8.38, 8.38, 8.38); Calibrated: 14/07/2008
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn442; Calibrated: 24/07/2008
- Phantom: Flat Phantom 10.1; Type: Flat Phantom 10.1; Serial: P 10.1
- Measurement SW: DASY4, V4.7 Build 53

DASY4 Configuration for Tablet Position/Channel 64 Test/Volume Scan:

Date/Time: 11/09/2008 10:42:59 AM

Test Laboratory: EMC Technologies

File Name: Tablet OFDM 5.2 GHz Antenna A Multiband 11-09-08.da4**DUT: Fujitsu Tablet Oneya with SP 3x3 abgn; Type: HMW_533AN; Serial: MAC: 0016EA16277E**

Communication System: OFDM 5250 MHz; Frequency: 5320 MHz; Duty Cycle: 1:1

Medium: Body 5200 MHz Medium parameters used: $f = 5318$ MHz; $\sigma = 5.33$ mho/m; $\epsilon_r = 44.3$; $\rho = 1000$ kg/m³

Phantom section: Flat 2.2 Section

Measurement Standard: DASY4 (High Precision Assessment)

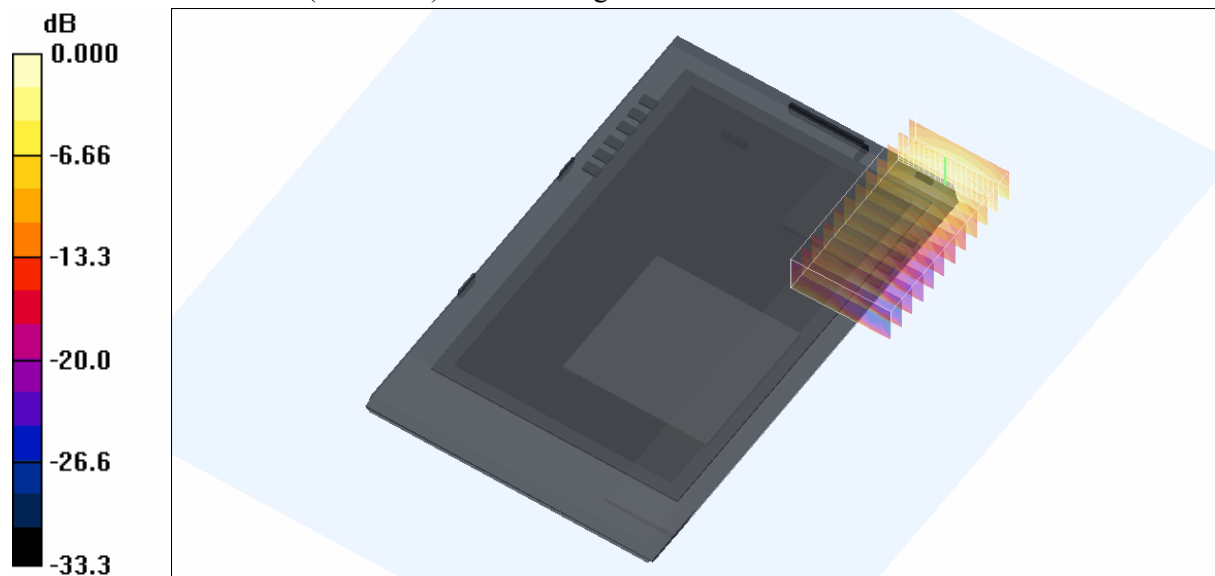
- Probe: EX3DV4 - SN3563; ConvF(3.72, 3.72, 3.72); Calibrated: 14/07/2008
 - Sensor-Surface: 2mm (Mechanical Surface Detection)
 - Electronics: DAE3 Sn442; Calibrated: 24/07/2008
 - Phantom: Flat Phantom 10.1; Type: Flat Phantom 10.1; Serial: P 10.1
 - Measurement SW: DASY4, V4.7 Build 53
-



Multi Band Result:

SAR(1 g) = 1.37 mW/g; SAR(10 g) = 0.902 mW/g

Maximum value of SAR (measured) = 1.73 mW/g



0 dB = 1.73mW/g

SAR MEASUREMENT PLOT 19

Ambient Temperature
Liquid Temperature
Humidity

20.6 Degrees Celsius
20.2 Degrees Celsius
35.0 %



Test Date: 31 August 2008

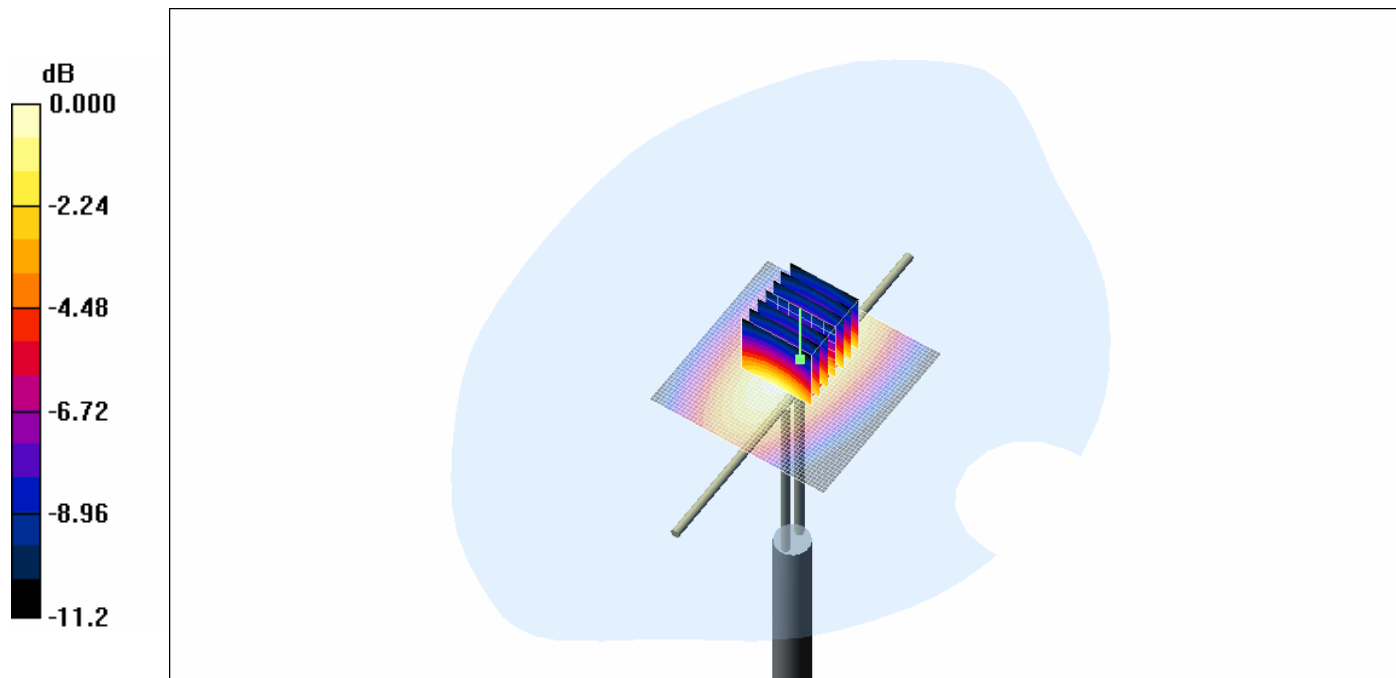
File Name: Validation 900 MHz (DAE442 Probe1380) 31-08-08.da4

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; $\sigma = 0.98$ mho/m; $\epsilon_r = 40.5$; $\rho = 1000$ 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) = 2.81 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 = 0.010 dB
 Peak SAR (extrapolated) = 3.80 W/kg
SAR(1 g) = 2.6 mW/g; SAR(10 g) = 1.67 mW/g
 Maximum value of SAR (measured) = 2.85 mW/g



SAR MEASUREMENT PLOT 20

Ambient Temperature
Liquid Temperature
Humidity

20.5 Degrees Celsius
20.3 Degrees Celsius
51.0 %



Test Date: 1 September 2008

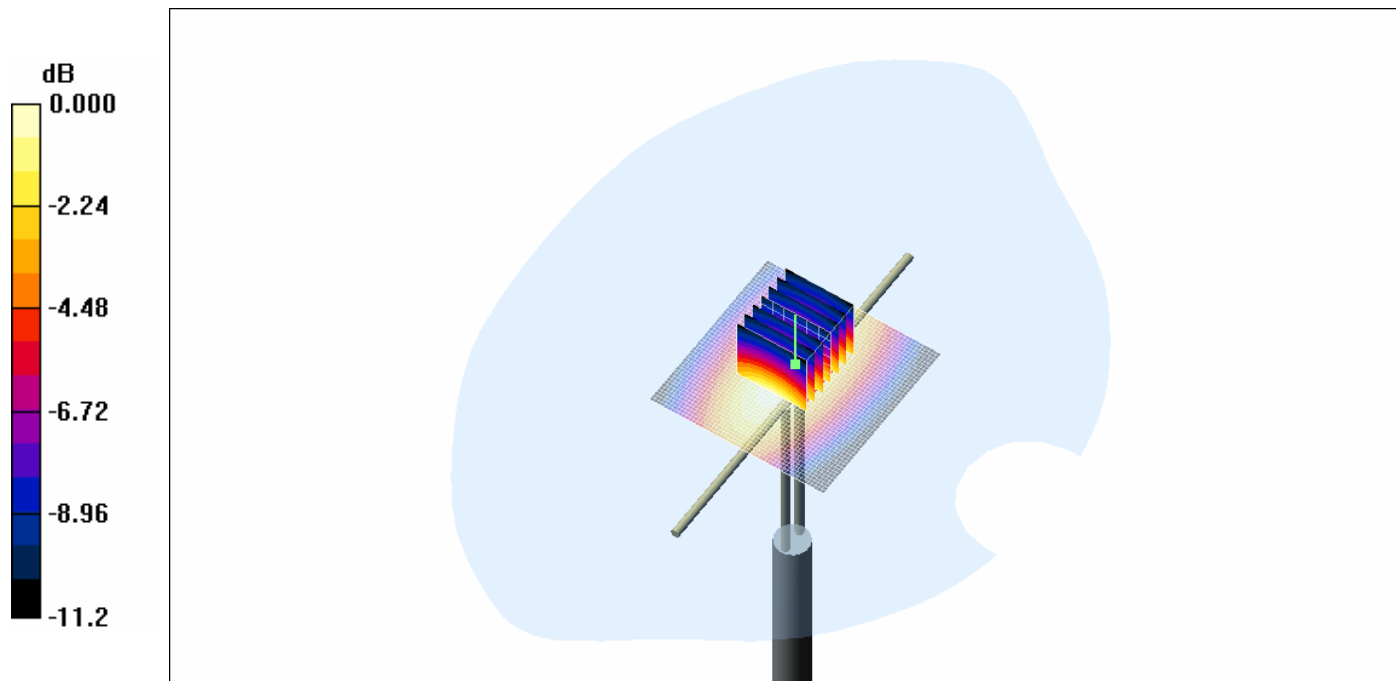
File Name: Validation 900 MHz (DAE442 Probe1380) 01-09-08.da4

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; $\sigma = 0.994$ mho/m; $\epsilon_r = 40.9$; $\rho = 1000$ 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) = 2.83 mW/g

Channel 1 Test/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
 Reference Value = 56.6 V/m; Power Drift = -0.018 dB
 Peak SAR (extrapolated) = 3.83 W/kg
SAR(1 g) = 2.64 mW/g; SAR(10 g) = 1.7 mW/g
 Maximum value of SAR (measured) = 2.87 mW/g



0 dB = 2.87mW/g

SAR MEASUREMENT PLOT 21

Ambient Temperature
 Liquid Temperature
 Humidity

20.4 Degrees Celsius
 20.1 Degrees Celsius
 43.0 %



Test Date: 11 September 2008

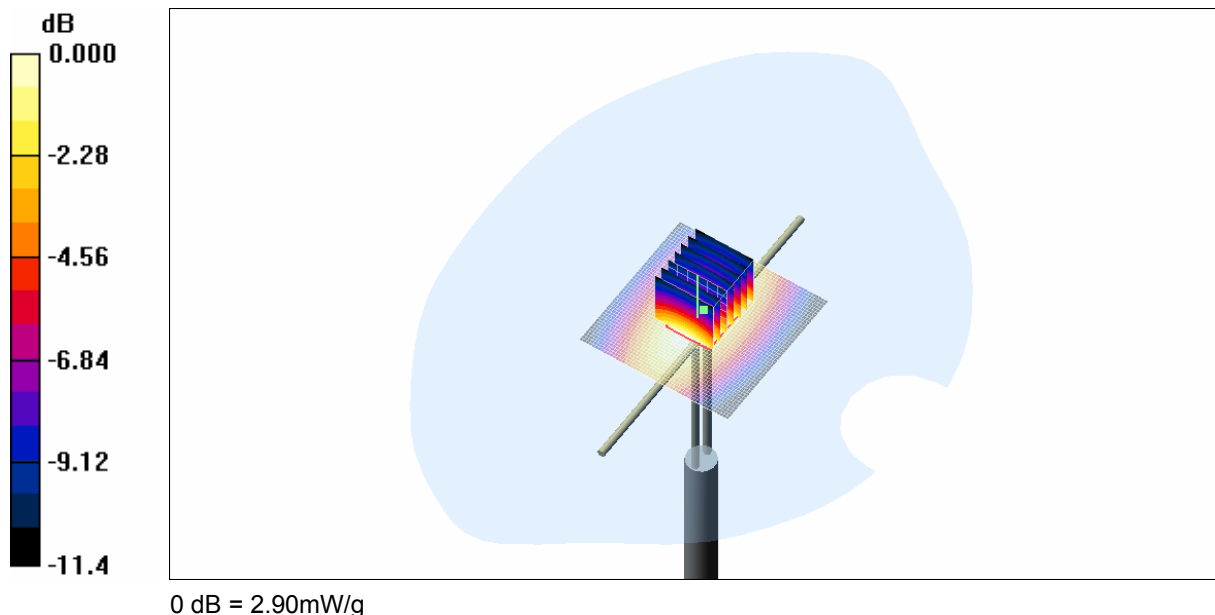
File Name: Validation 900 MHz (DAE442 Probe1380) 11-09-08.da4

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; $\sigma = 0.984$ mho/m; $\epsilon_r = 40.6$; $\rho = 1000$ kg/m³
- Electronics: DAE3 Sn442; Probe: EX3DV4 - SN3563; ConvF(8.3, 8.3, 8.3)
- 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) = 2.86 mW/g

Channel 1 Test/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
 Reference Value = 54.2 V/m; Power Drift = -0.027 dB
 Peak SAR (extrapolated) = 4.18 W/kg
SAR(1 g) = 2.68 mW/g; SAR(10 g) = 1.71 mW/g
 Maximum value of SAR (measured) = 2.90 mW/g

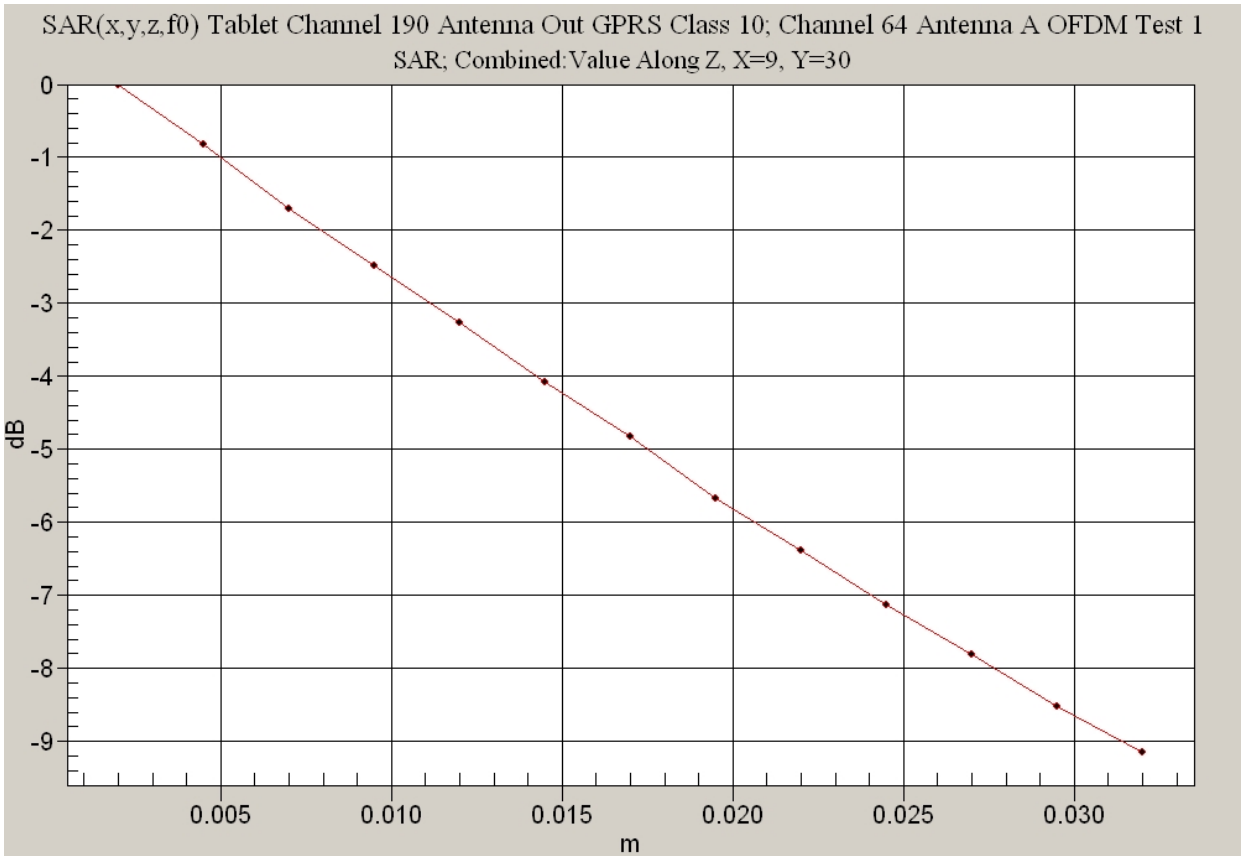


SAR MEASUREMENT PLOT 22

Ambient Temperature
Liquid Temperature
Humidity

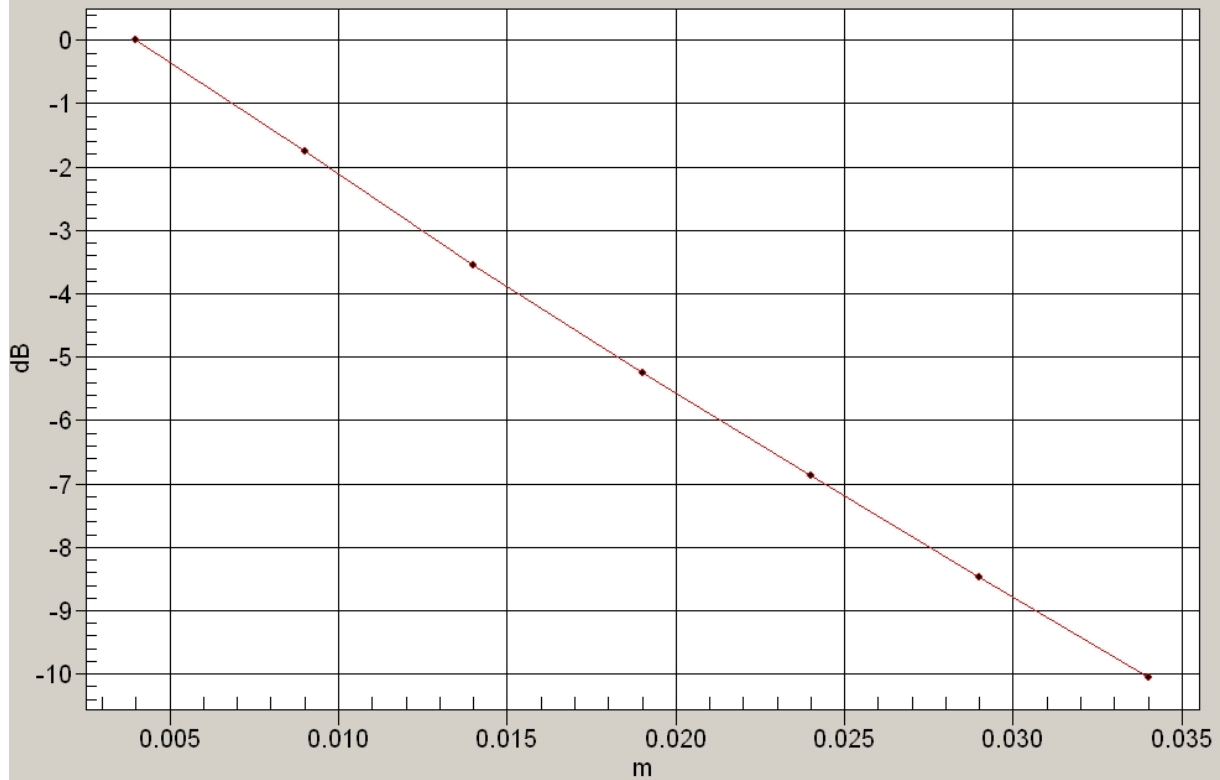
20.6 Degrees Celsius
20.2 Degrees Celsius
35.0 %

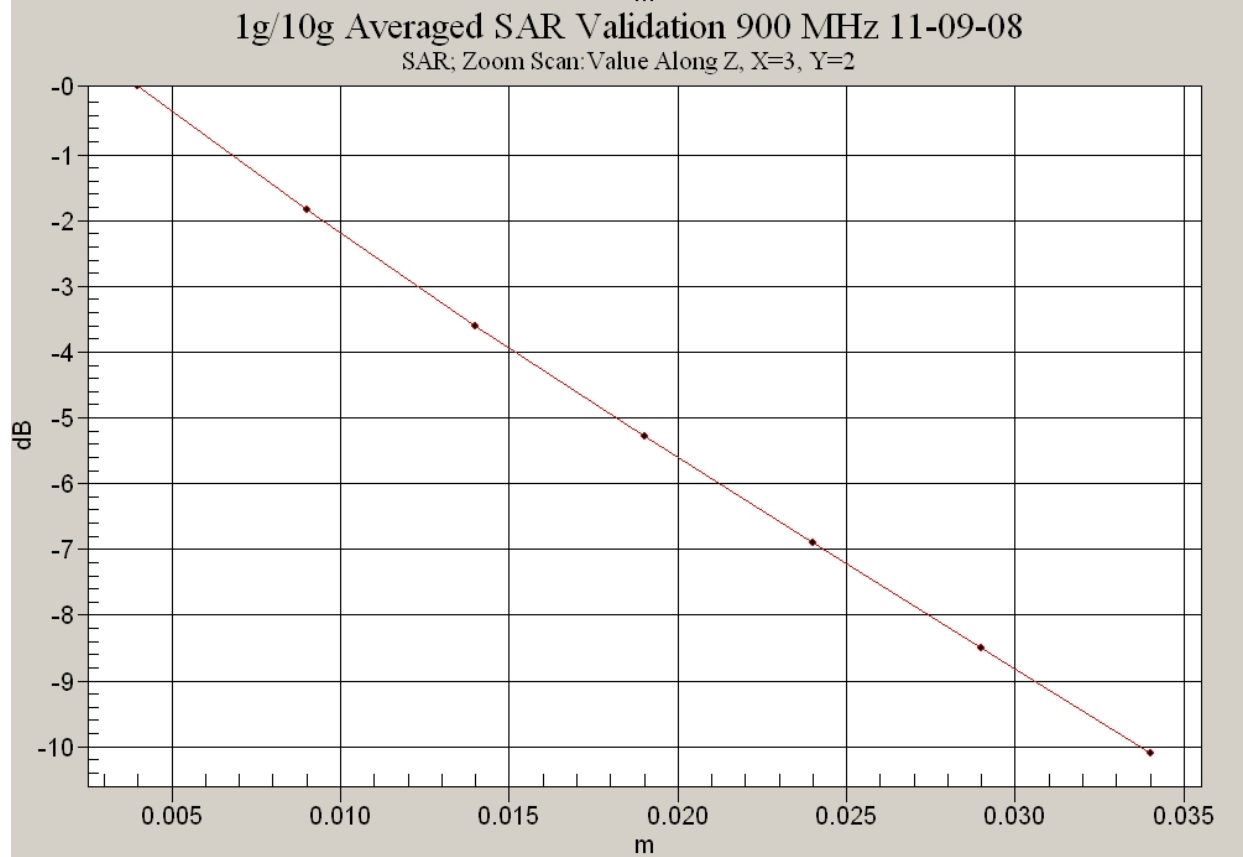
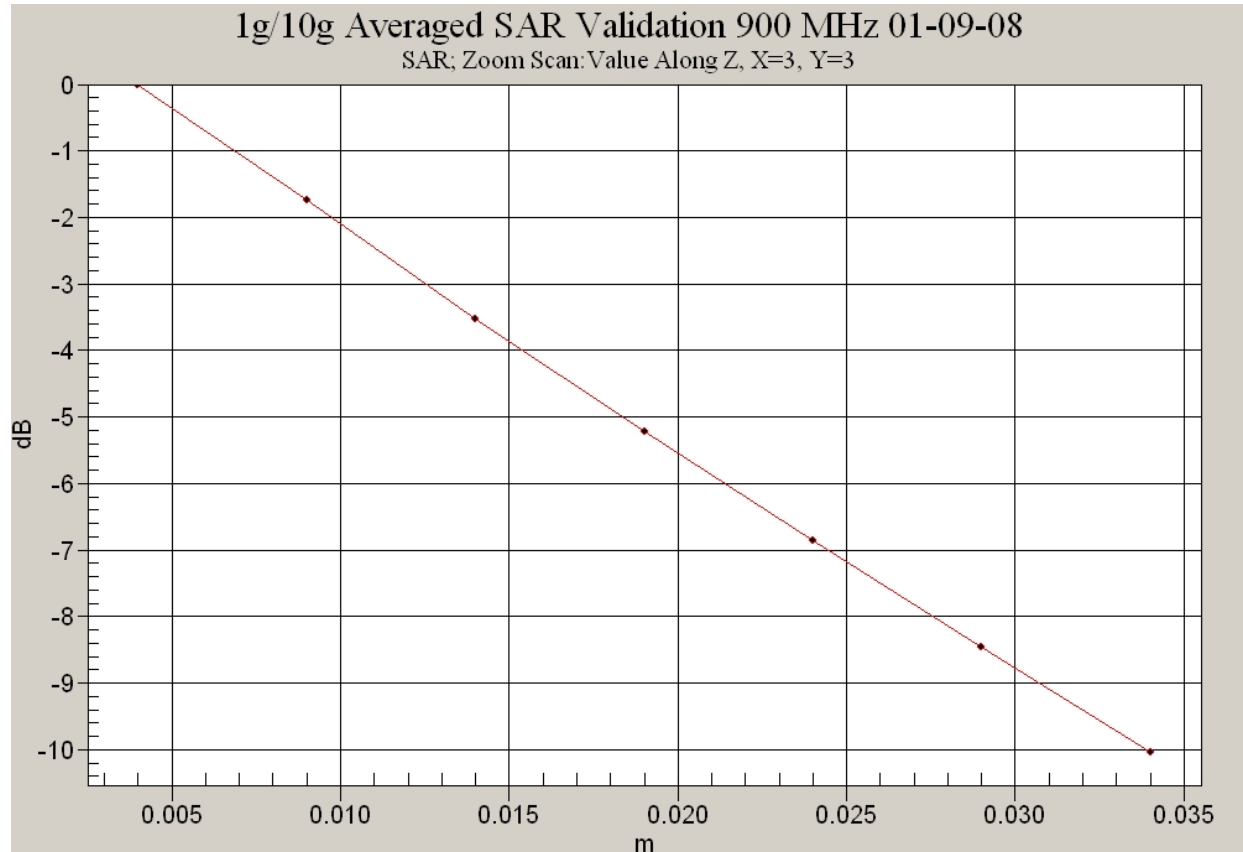




1g/10g Averaged SAR Validation 900 MHz 31-08-08

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





Test Date: 27 August 2008

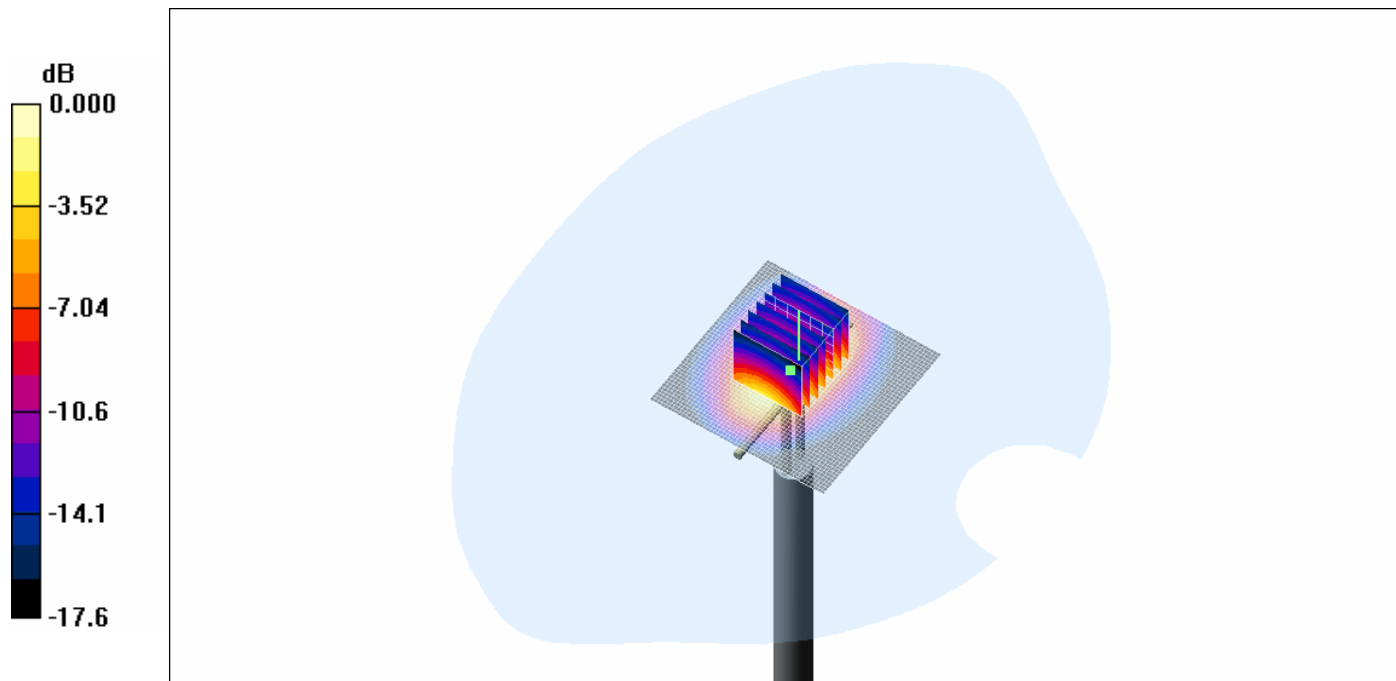
File Name: Validation 1800 MHz (DAE442 Probe1380) 27-08-08.da4

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

- * Communication System: CW 1800 MHz; Frequency: 1800 MHz; Duty Cycle: 1:1
- * Medium parameters used: $f = 1800.4$ MHz; $\sigma = 1.39$ mho/m; $\epsilon_r = 38.6$; $\rho = 1000$ 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) = 11.3 mW/g

Channel 1 Test/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
 Reference Value = 90.6 V/m; Power Drift = 0.055 dB
 Peak SAR (extrapolated) = 16.2 W/kg
SAR(1 g) = 9.29 mW/g; SAR(10 g) = 4.92 mW/g
 Maximum value of SAR (measured) = 10.3 mW/g



SAR MEASUREMENT PLOT 23

Ambient Temperature
 Liquid Temperature
 Humidity

20.1 Degrees Celsius
 19.8 Degrees Celsius
 45.0 %



Test Date: 11 September 2008

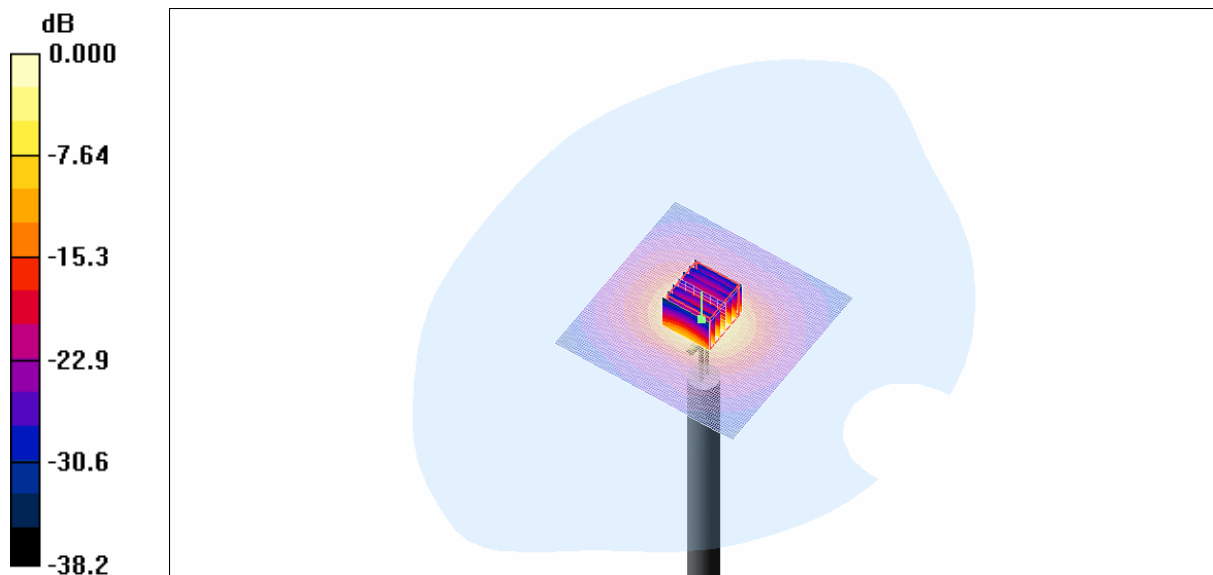
File Name: Validation 5200MHz (DAE 442 Probe EX3DV4) 11-09-08.da4

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

- * Communication System: CW 5200 MHz; Frequency: 5200 MHz; Duty Cycle: 1:1
- * Medium parameters used: f = 5198 MHz; $\sigma = 4.67$ mho/m; $\epsilon_r = 35.6$; $\rho = 1000$ kg/m³
- Electronics: DAE3 Sn442; Probe: EX3DV4 - SN3563; ConvF(4.3, 4.3, 4.3)
- Phantom: SAM 22; Serial: 1260; Phantom section: Flat Section

Channel 1 Test/Area Scan (91x91x1): Measurement grid: dx=10mm, dy=10mm
 Maximum value of SAR (interpolated) = 47.9 mW/g

Channel 1 Test/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
 Reference Value = 105.3 V/m; Power Drift = 0.137 dB
 Peak SAR (extrapolated) = 89.0 W/kg
SAR(1 g) = 22.2 mW/g; SAR(10 g) = 6.3 mW/g
 Maximum value of SAR (measured) = 47.3 mW/g



SAR MEASUREMENT PLOT 24

Ambient Temperature	20.6 Degrees Celsius
Liquid Temperature	20.2 Degrees Celsius
Humidity	35.0 %



