

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.

Table 20 2450 MHz OFDM Band SAR Measurement Plot Numbers

Test Position	Plot No.	Ant	Bit rate Mode (Mbps)	Channel Bandwidth (MHz)	Test Channel
Tablet	1	A	6	-	06
	2	B	6	-	06
Edge On Secondary Landscape	3	A	6	-	06
	4	B	6	-	06
	5		HT0	20	06
Edge On Primary Portrait	6	A	6	-	02
	7				06
	8				10
	9				06
	10	B	6	-	06
Bystander	11	A	6	-	06
	12	B	6	-	06

Table 21 2450MHz System Verification Plot

Plot 13	System Verification 2450 MHz 24 January 2011



Test Date: 24 January 2011

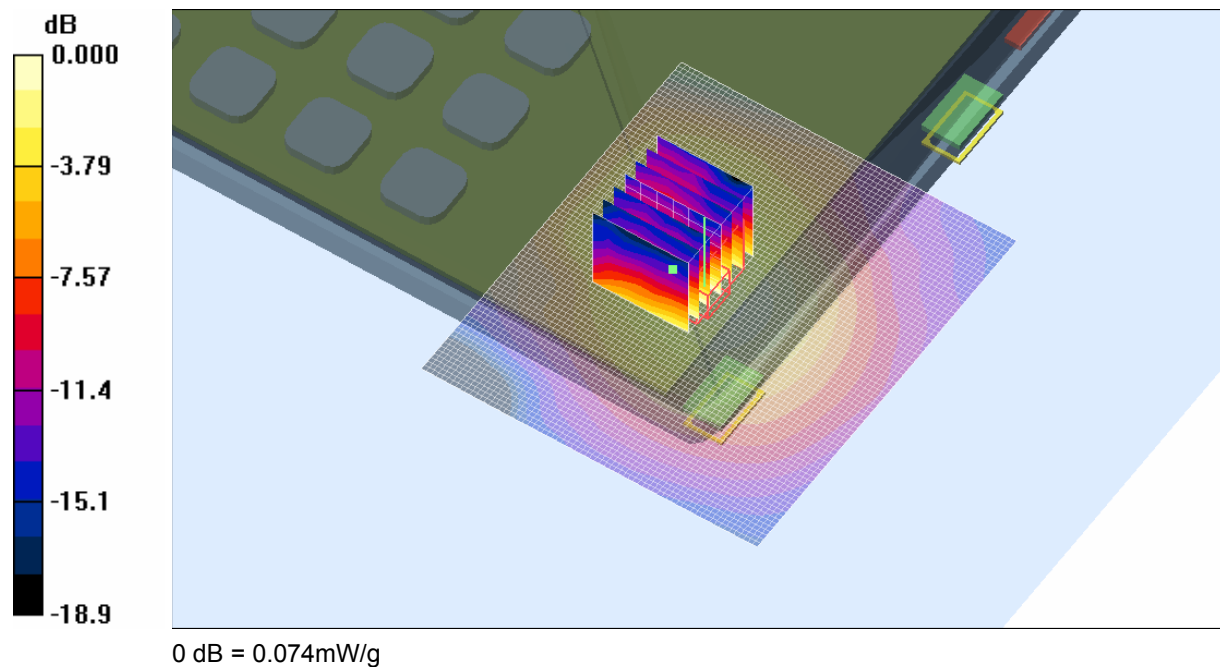
File Name: M101142 Tablet OFDM 2450 MHz Antenna A (1) 24-01-11.da4

EUT: Fujitsu Tablet Stork with Taylor 11abgn and Bluetooth; Type: 62205ANHMMW; Serial: WFM: 001500647600

- * Communication System: OFDM 2450 MHz; Frequency: 2437 MHz; Duty Cycle: 1:1
- * Medium parameters used: $f = 2438$ MHz; $\sigma = 1.89$ mho/m; $\epsilon_r = 51.4$; $\rho = 1000$ kg/m³
- Electronics: DAE3 Sn442; Probe: ET3DV6 - SN1380; ConvF(4.09, 4.09, 4.09)
- Phantom: Flat Phantom 9.1; Serial: P 9.1; Phantom section: Flat 2.2 Section

Channel 6 Test/Area Scan (71x81x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.078 mW/g

Channel 6 Test/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 6.13 V/m; Power Drift = -0.194 dB
Peak SAR (extrapolated) = 0.155 W/kg
SAR(1 g) = 0.069 mW/g; SAR(10 g) = 0.039 mW/g
Maximum value of SAR (measured) = 0.074 mW/g

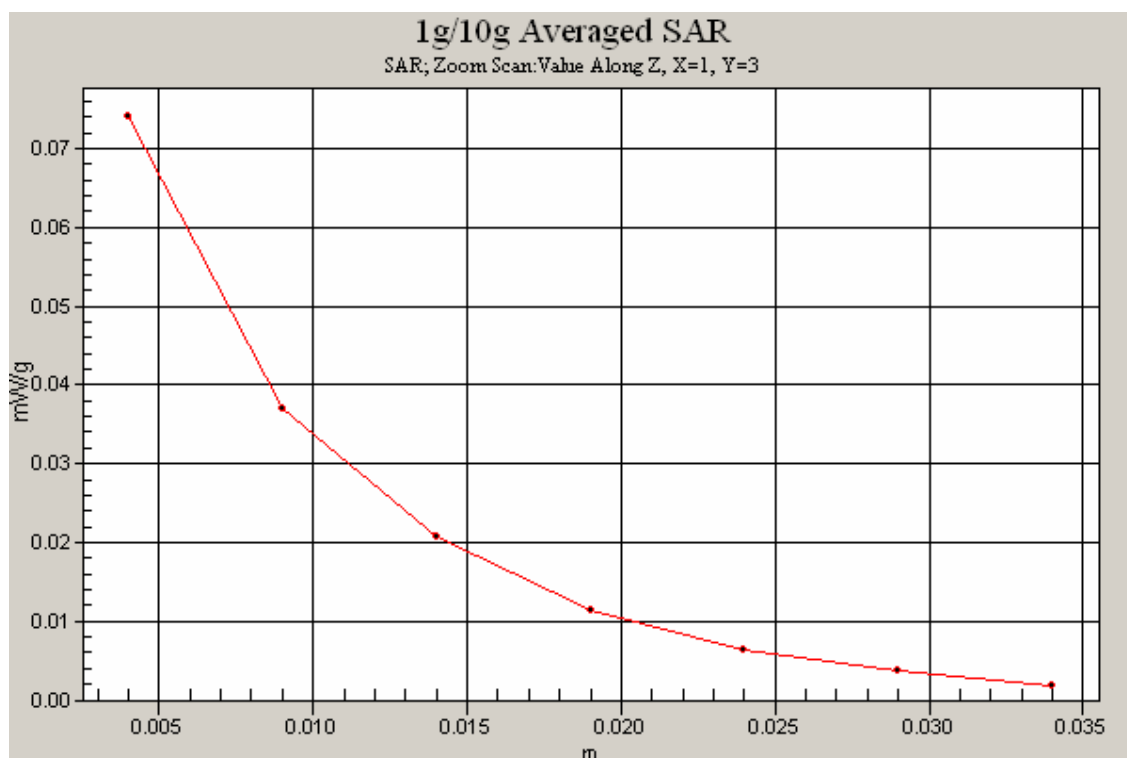


SAR MEASUREMENT PLOT 1

Ambient Temperature
Liquid Temperature
Humidity

21.1 Degrees Celsius
20.9 Degrees Celsius
63.0 %





Test Date: 24 January 2011

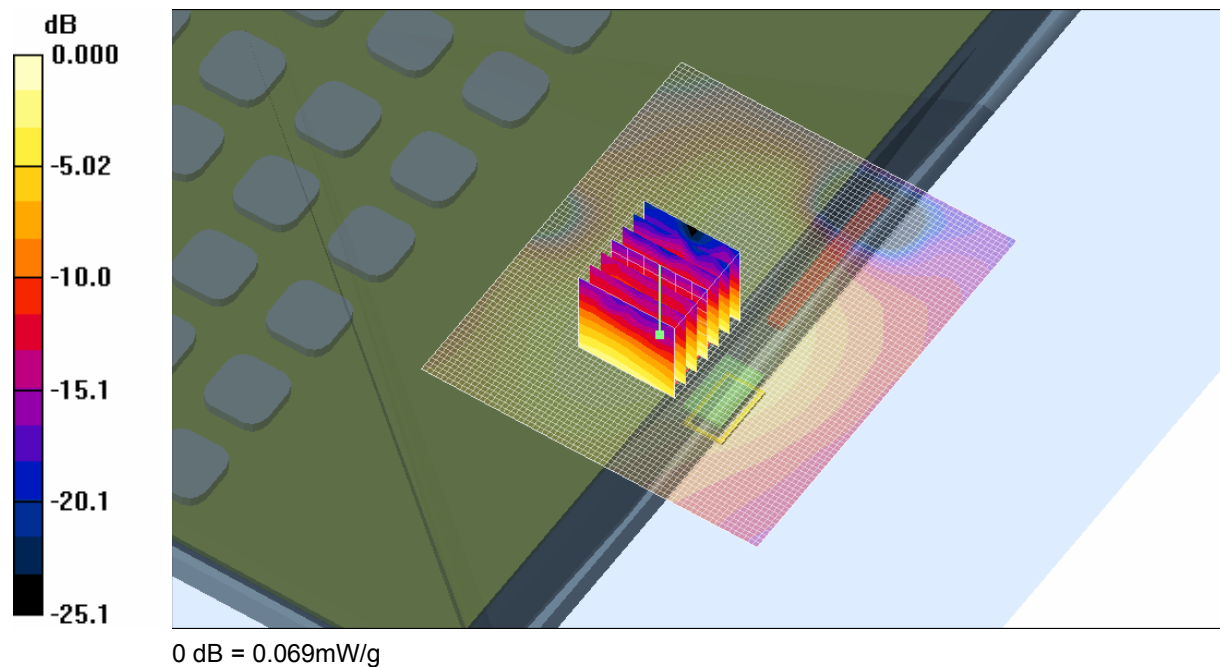
File Name: M101142 Tablet OFDM 2450 MHz Antenna B (2) 24-01-11.da4

EUT: Fujitsu Tablet Stork with Taylor 11abgn and Bluetooth; Type: 62205ANHMMW; Serial: WFM: 001500647600

- * Communication System: OFDM 2450 MHz; Frequency: 2437 MHz; Duty Cycle: 1:1
- * Medium parameters used: $f = 2438$ MHz; $\sigma = 1.89$ mho/m; $\epsilon_r = 51.4$; $\rho = 1000$ kg/m³
- Electronics: DAE3 Sn442; Probe: ET3DV6 - SN1380; ConvF(4.09, 4.09, 4.09)
- Phantom: Flat Phantom 9.1; Serial: P 9.1; Phantom section: Flat 2.2 Section

Channel 6 Test/Area Scan (71x81x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.069 mW/g

Channel 6 Test/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 4.58 V/m; Power Drift = 0.021 dB
Peak SAR (extrapolated) = 0.152 W/kg
SAR(1 g) = 0.066 mW/g; SAR(10 g) = 0.035 mW/g
Maximum value of SAR (measured) = 0.069 mW/g

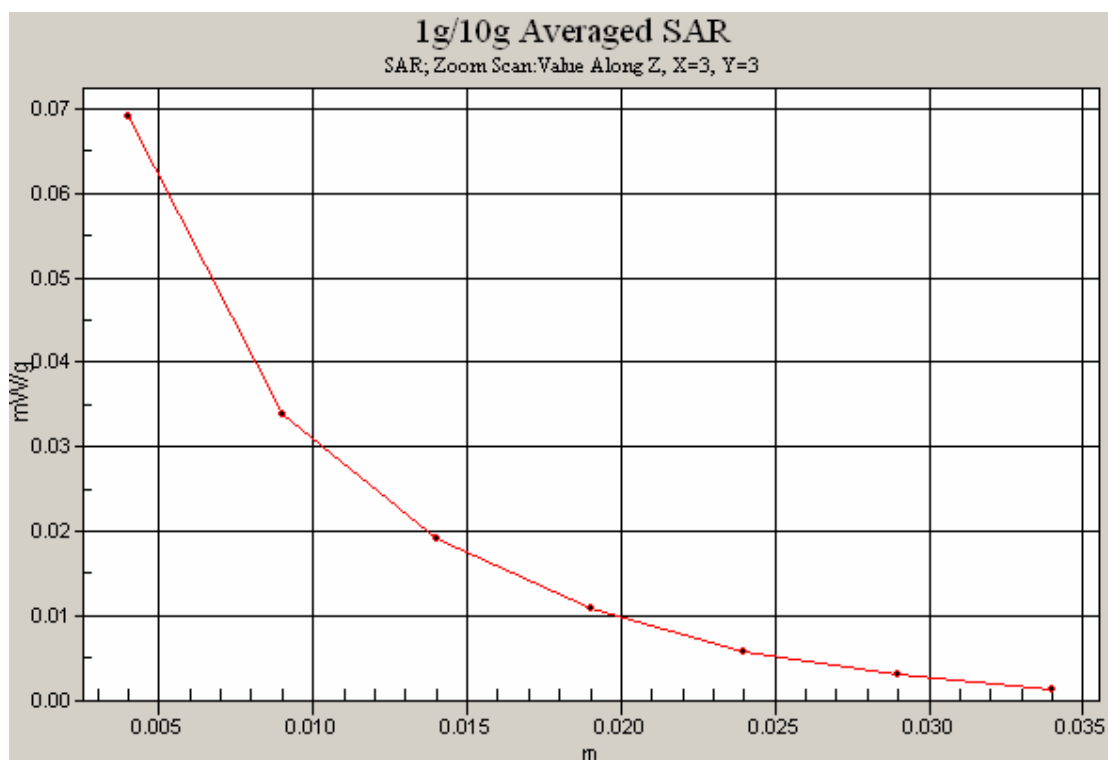


SAR MEASUREMENT PLOT 2

Ambient Temperature
Liquid Temperature
Humidity

21.1 Degrees Celsius
20.9 Degrees Celsius
63.0 %





Test Date: 24 January 2011

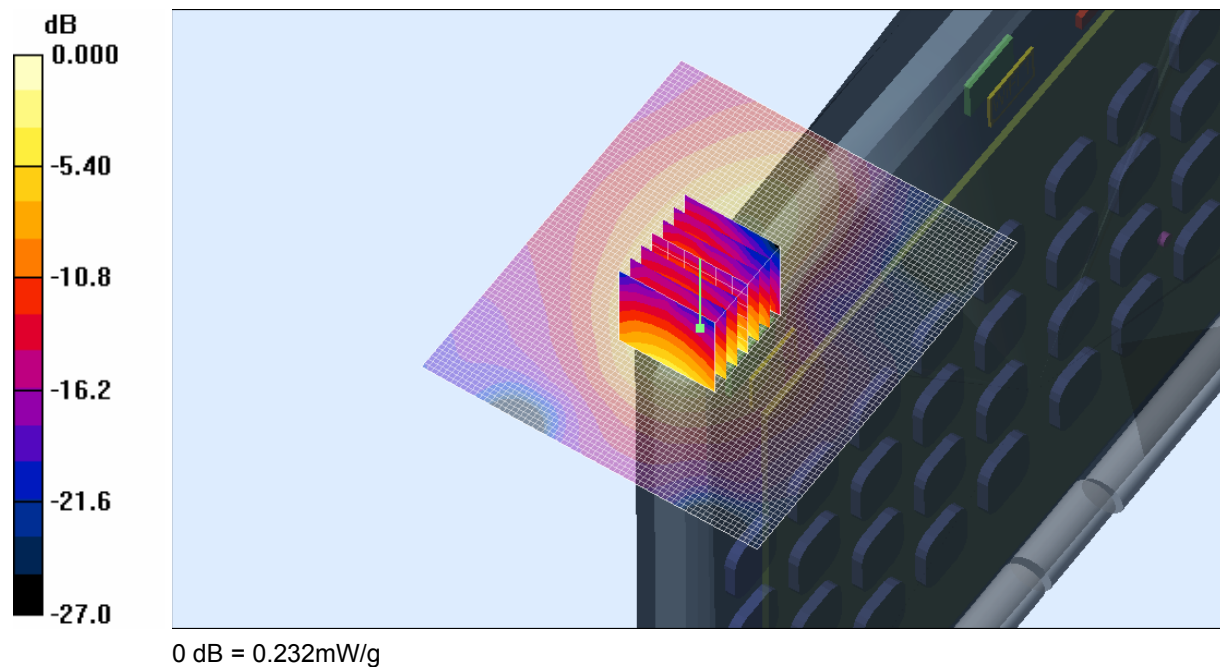
File Name: M101142 Edge On Secondary Landscape OFDM 2450 MHz Antenna A (1) 24-01-11.da4

EUT: Fujitsu Tablet Stork with Taylor 11abgn and Bluetooth; Type: 62205ANHMMW; Serial: WFM: 001500647600

- * Communication System: OFDM 2450 MHz; Frequency: 2437 MHz; Duty Cycle: 1:1
- * Medium parameters used: $f = 2438$ MHz; $\sigma = 1.89$ mho/m; $\epsilon_r = 51.4$; $\rho = 1000$ kg/m³
- Electronics: DAE3 Sn442; Probe: ET3DV6 - SN1380; ConvF(4.09, 4.09, 4.09)
- Phantom: Flat Phantom 9.1; Serial: P 9.1; Phantom section: Flat 2.2 Section

Channel 6 Test/Area Scan (71x81x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.204 mW/g

Channel 6 Test/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 11.5 V/m; Power Drift = -0.107 dB
Peak SAR (extrapolated) = 0.505 W/kg
SAR(1 g) = 0.212 mW/g; SAR(10 g) = 0.101 mW/g
Maximum value of SAR (measured) = 0.232 mW/g

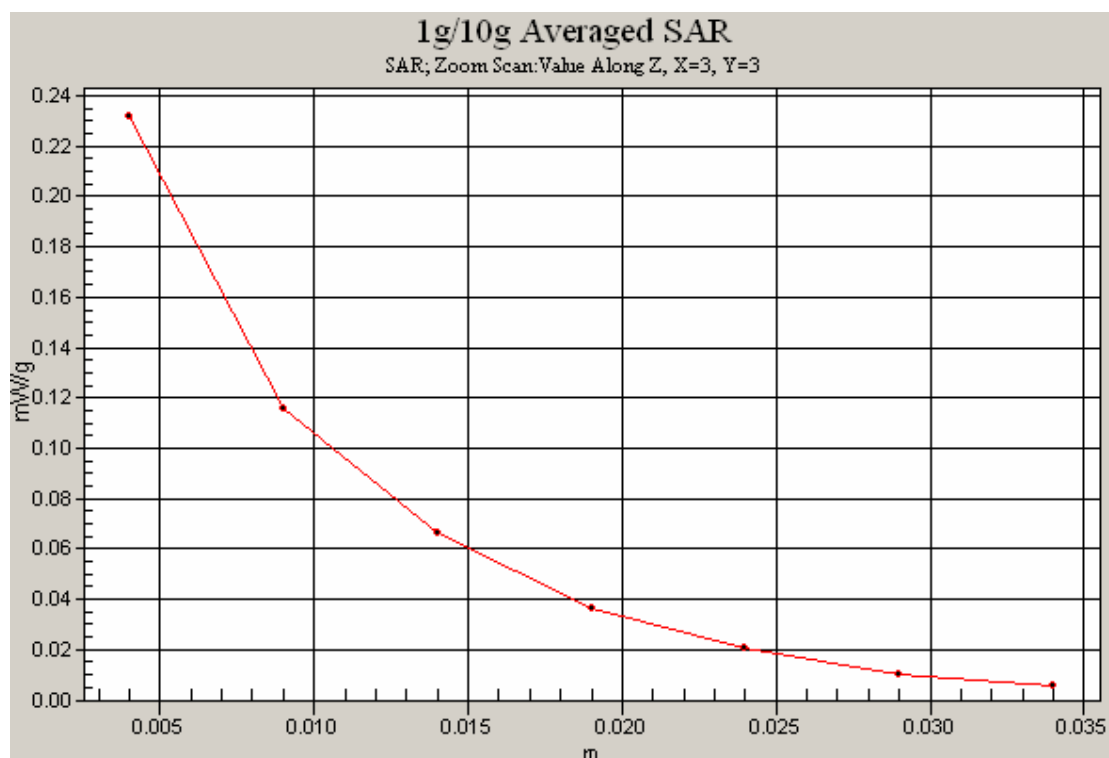


SAR MEASUREMENT PLOT 3

Ambient Temperature
Liquid Temperature
Humidity

21.1 Degrees Celsius
20.9 Degrees Celsius
63.0 %





Test Date: 24 January 2011

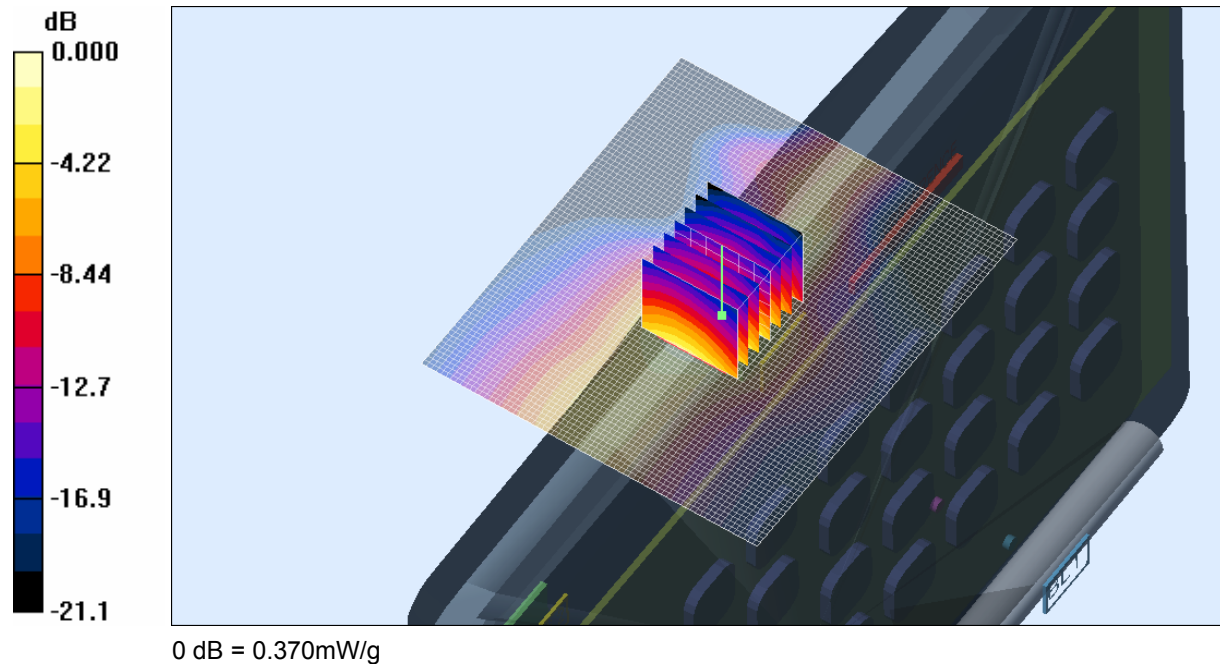
File Name: M101142 Edge On Secondary Landscape OFDM 2450 MHz Antenna B (2) 24-01-11.da4

EUT: **Fujitsu Tablet Stork with Taylor 11abgn and Bluetooth; Type: 62205ANHMMW; Serial: WFM: 001500647600**

- * Communication System: OFDM 2450 MHz; Frequency: 2437 MHz; Duty Cycle: 1:1
- * Medium parameters used: $f = 2438$ MHz; $\sigma = 1.89$ mho/m; $\epsilon_r = 51.4$; $\rho = 1000$ kg/m³
- Electronics: DAE3 Sn442; Probe: ET3DV6 - SN1380; ConvF(4.09, 4.09, 4.09)
- Phantom: Flat Phantom 9.1; Serial: P 9.1; Phantom section: Flat 2.2 Section

Channel 6 Test 2/Area Scan (71x81x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.350 mW/g

Channel 6 Test 2/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 13.3 V/m; Power Drift = -0.061 dB
Peak SAR (extrapolated) = 0.776 W/kg
SAR(1 g) = 0.340 mW/g; SAR(10 g) = 0.169 mW/g
Maximum value of SAR (measured) = 0.370 mW/g

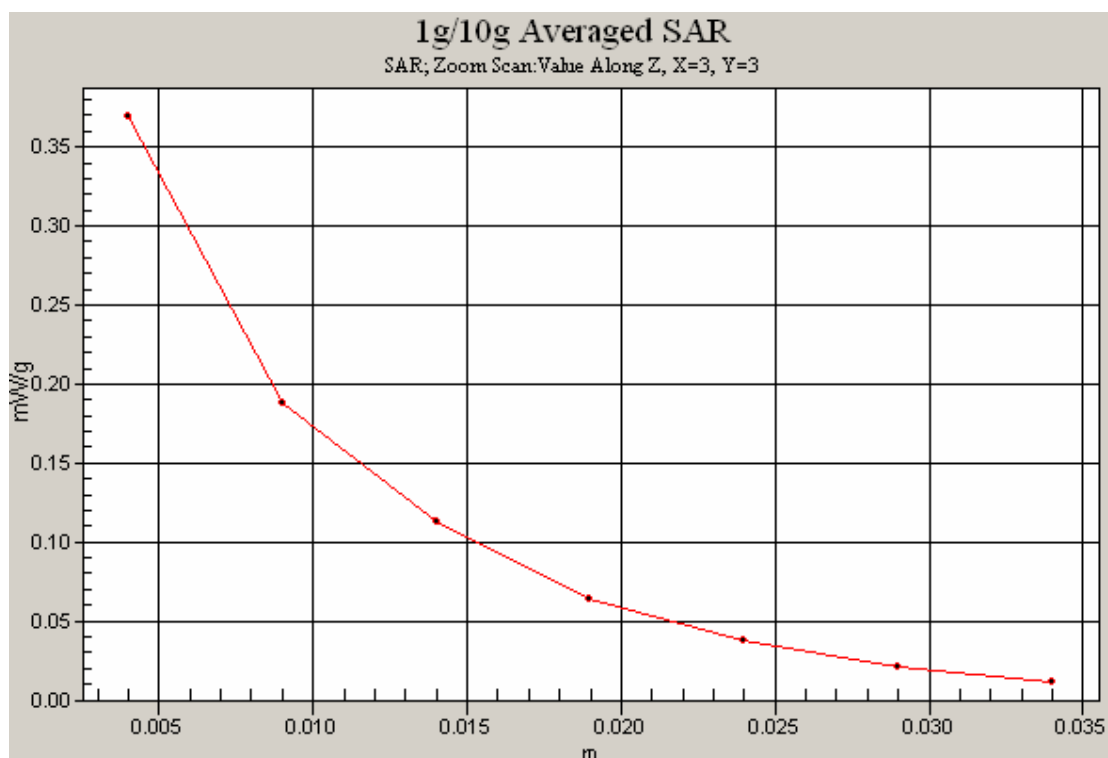


SAR MEASUREMENT PLOT 4

Ambient Temperature
Liquid Temperature
Humidity

21.1 Degrees Celsius
20.9 Degrees Celsius
63.0 %





Test Date: 24 January 2011

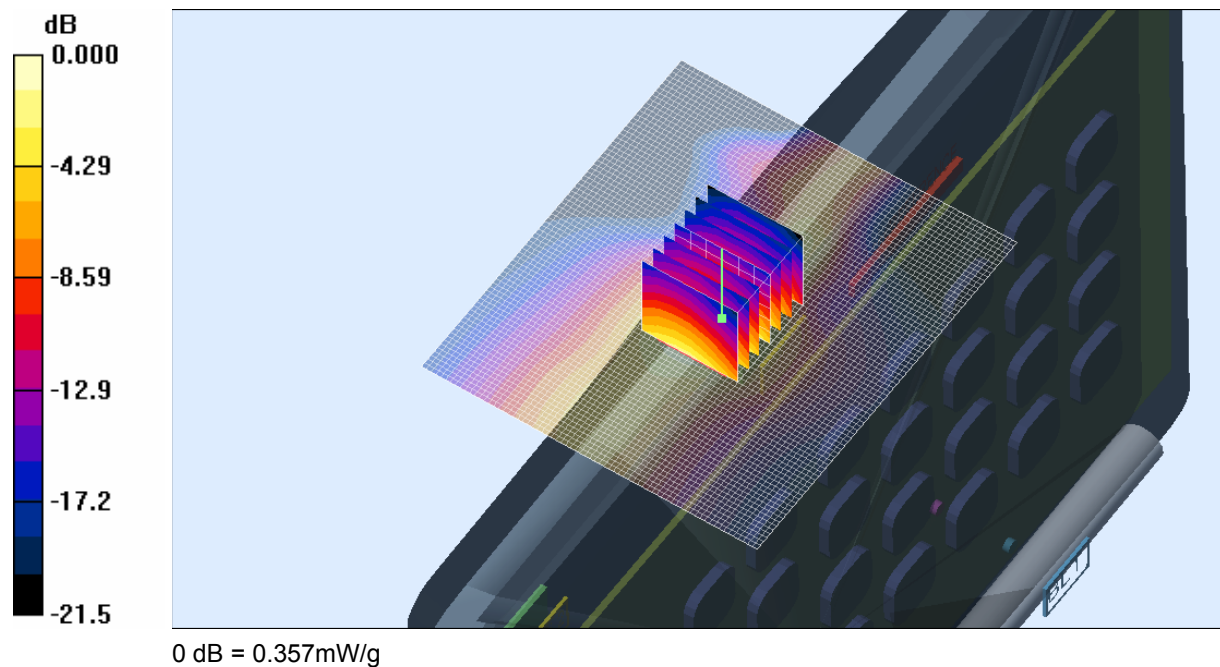
File Name: M101142 Edge On Secondary Landscape HT0 (20MHz) 2450 MHz Antenna B (2) 24-01-11.da4

DUT: Fujitsu Tablet Stork with Taylor 11abgn and Bluetooth; Type: 62205ANHMMW; Serial: WFM: 001500647600

- * Communication System: OFDM 2450 MHz; Frequency: 2437 MHz; Duty Cycle: 1:1
- * Medium parameters used: $f = 2438$ MHz; $\sigma = 1.89$ mho/m; $\epsilon_r = 51.4$; $\rho = 1000$ kg/m³
- Electronics: DAE3 Sn442; Probe: ET3DV6 - SN1380; ConvF(4.09, 4.09, 4.09)
- Phantom: Flat Phantom 9.1; Serial: P 9.1; Phantom section: Flat 2.2 Section

Channel 6 Test/Area Scan (71x81x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.338 mW/g

Channel 6 Test/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 12.9 V/m; Power Drift = -0.006 dB
Peak SAR (extrapolated) = 0.752 W/kg
SAR(1 g) = 0.328 mW/g; SAR(10 g) = 0.163 mW/g
Maximum value of SAR (measured) = 0.357 mW/g

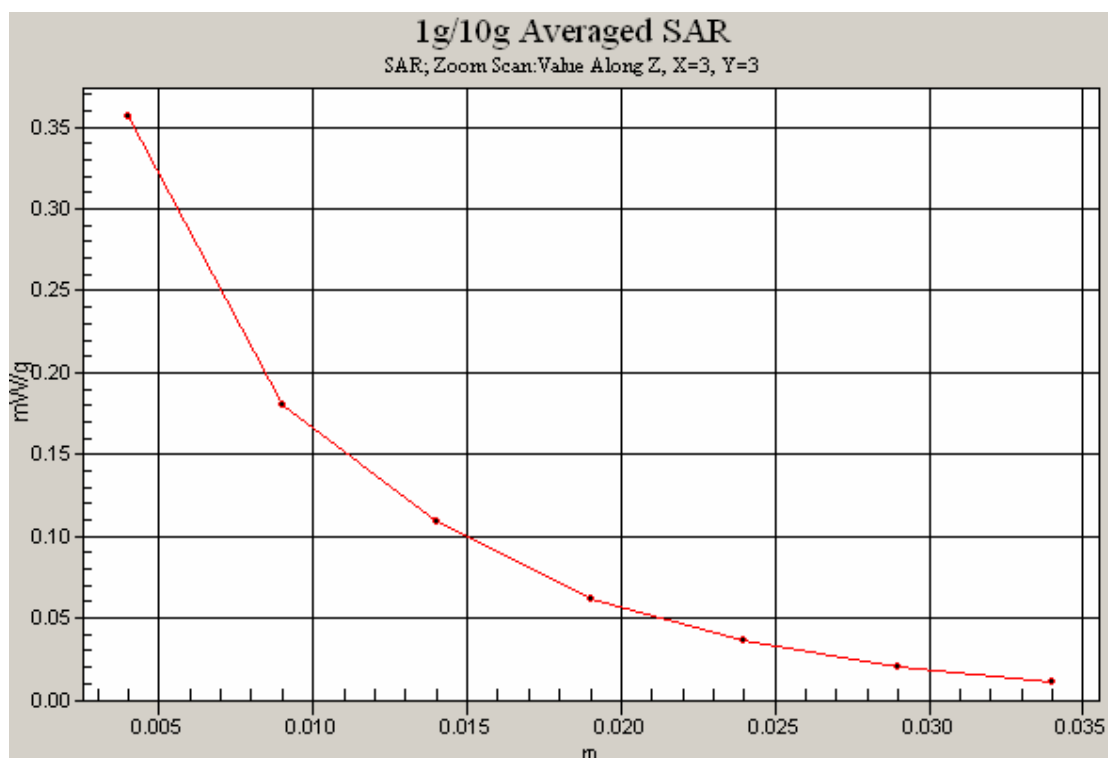


SAR MEASUREMENT PLOT 5

Ambient Temperature
Liquid Temperature
Humidity

21.1 Degrees Celsius
20.9 Degrees Celsius
63.0 %





Test Date: 24 January 2011

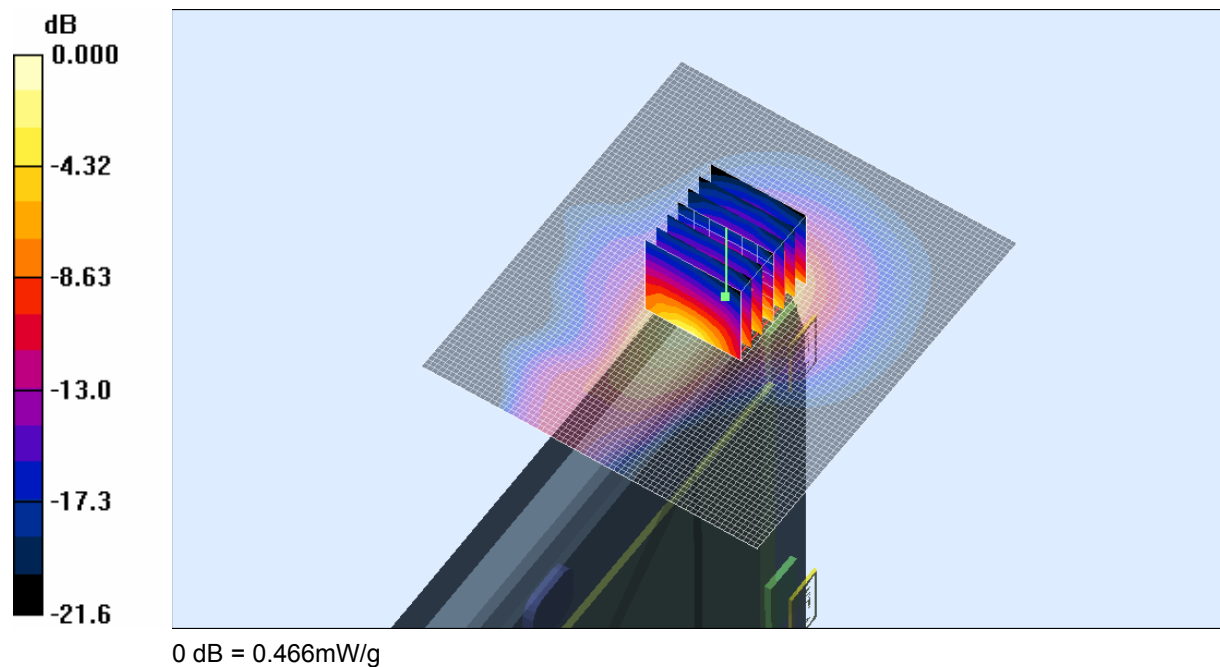
File Name: M101142 Edge On Primary Portrait OFDM 2450 MHz Antenna A (1) 24-01-11.da4

DUT: Fujitsu Tablet Stork with Taylor 11abgn and Bluetooth; Type: 62205ANHMMW; Serial: WFM: 001500647600

- * Communication System: OFDM 2450 MHz; Frequency: 2417 MHz; Duty Cycle: 1:1
- * Medium parameters used: $f = 2418$ MHz; $\sigma = 1.86$ mho/m; $\epsilon_r = 51.5$; $\rho = 1000$ kg/m³
- Electronics: DAE3 Sn442; Probe: ET3DV6 - SN1380; ConvF(4.09, 4.09, 4.09)
- Phantom: Flat Phantom 9.1; Serial: P 9.1; Phantom section: Flat 2.2 Section

Channel 2 Test/Area Scan (71x81x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.351 mW/g

Channel 2 Test/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 4.94 V/m; Power Drift = -0.171 dB
Peak SAR (extrapolated) = 1.17 W/kg
SAR(1 g) = 0.404 mW/g; SAR(10 g) = 0.170 mW/g
Maximum value of SAR (measured) = 0.466 mW/g

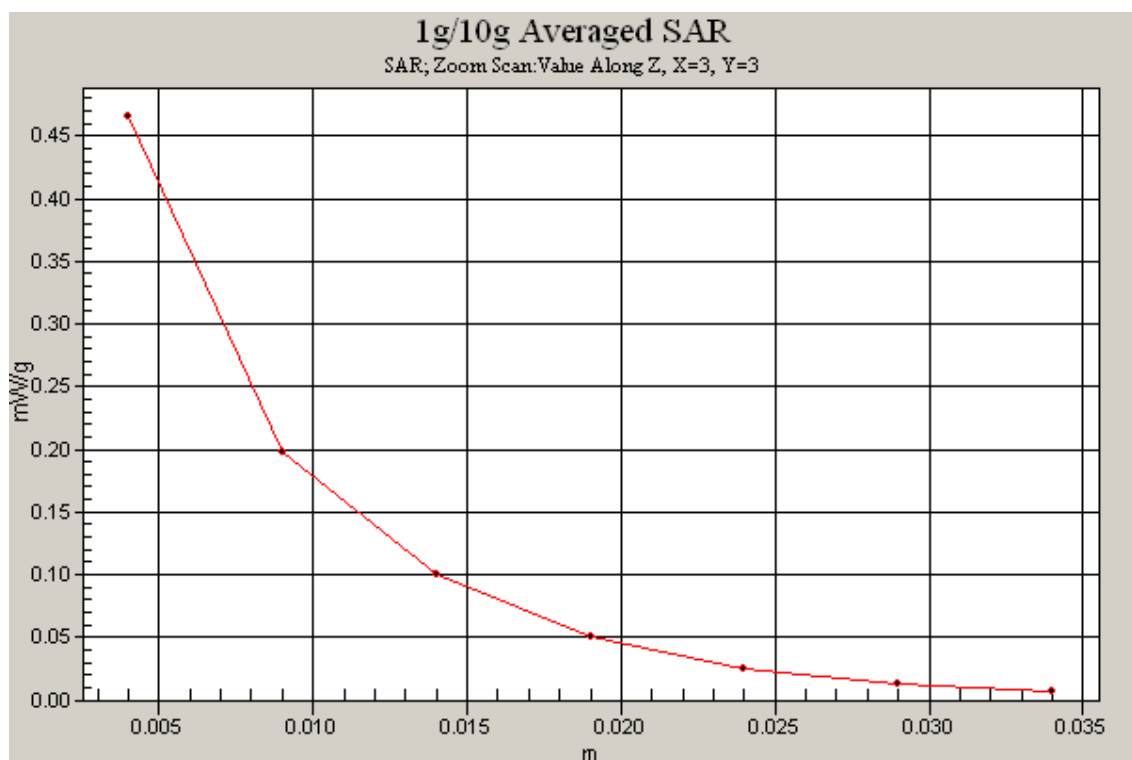


SAR MEASUREMENT PLOT 6

Ambient Temperature
Liquid Temperature
Humidity

21.1 Degrees Celsius
20.9 Degrees Celsius
63.0 %





Test Date: 24 January 2011

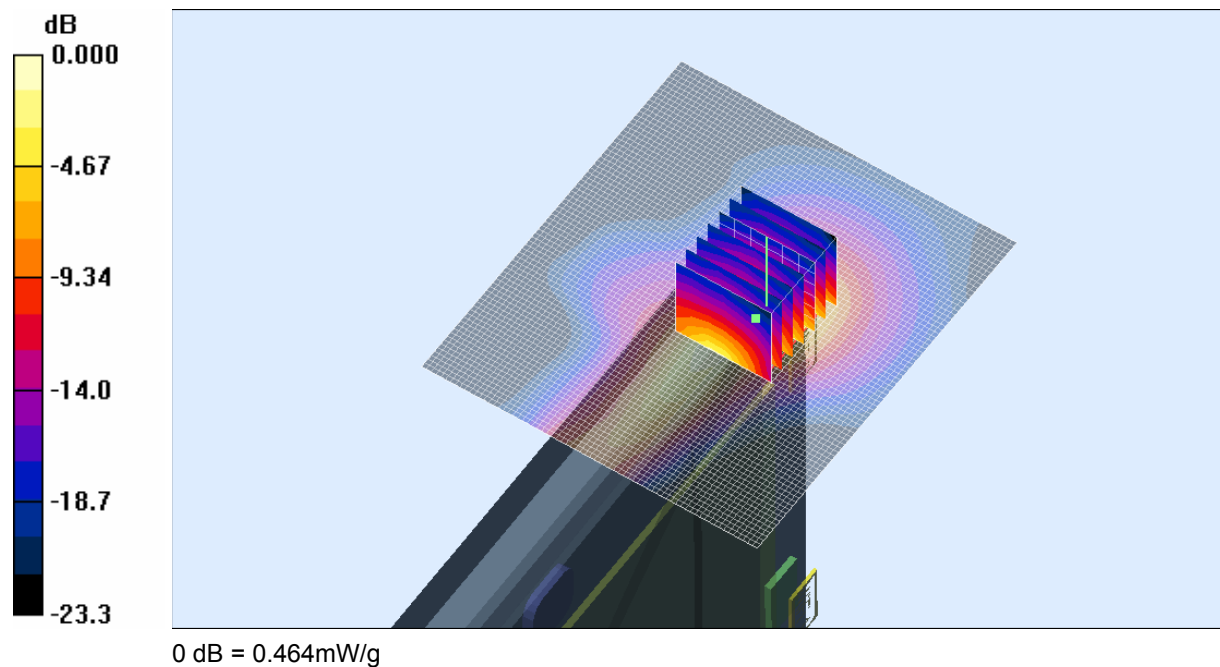
File Name: M101142 Edge On Primary Portrait OFDM 2450 MHz Antenna A (1) 24-01-11.da4

DUT: Fujitsu Tablet Stork with Taylor 11abgn and Bluetooth; Type: 62205ANHMMW; Serial: WFM: 001500647600

- * Communication System: OFDM 2450 MHz; Frequency: 2437 MHz; Duty Cycle: 1:1
- * Medium parameters used: $f = 2438$ MHz; $\sigma = 1.89$ mho/m; $\epsilon_r = 51.4$; $\rho = 1000$ kg/m³
- Electronics: DAE3 Sn442; Probe: ET3DV6 - SN1380; ConvF(4.09, 4.09, 4.09)
- Phantom: Flat Phantom 9.1; Serial: P 9.1; Phantom section: Flat 2.2 Section

Channel 6 Test/Area Scan (71x81x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.461 mW/g

Channel 6 Test/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 3.87 V/m; Power Drift = -0.017 dB
Peak SAR (extrapolated) = 1.19 W/kg
SAR(1 g) = 0.398 mW/g; SAR(10 g) = 0.163 mW/g
Maximum value of SAR (measured) = 0.464 mW/g



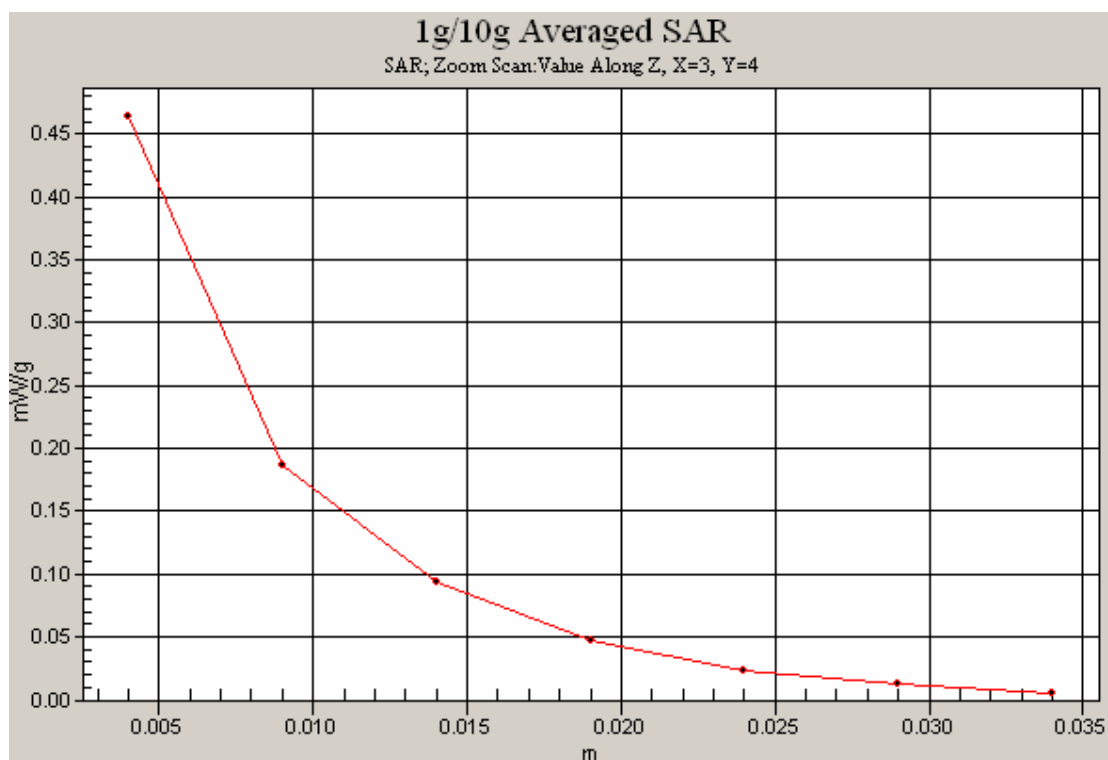
SAR MEASUREMENT PLOT 7

Ambient Temperature
Liquid Temperature
Humidity

21.1 Degrees Celsius
20.9 Degrees Celsius
63.0 %



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Test Date: 24 January 2011

File Name: M101142 Edge On Primary Portrait OFDM 2450 MHz Antenna A (1) 24-01-11.da4

DUT: Fujitsu Tablet Stork with Taylor 11abgn and Bluetooth; Type: 62205ANHMMW; Serial: WFM: 001500647600

- * Communication System: OFDM 2450 MHz; Frequency: 2457 MHz; Duty Cycle: 1:1
- * Medium parameters used: $f = 2458$ MHz; $\sigma = 1.91$ mho/m; $\epsilon_r = 51.3$; $\rho = 1000$ kg/m³
- Electronics: DAE3 Sn442; Probe: ET3DV6 - SN1380; ConvF(4.09, 4.09, 4.09)
- Phantom: Flat Phantom 9.1; Serial: P 9.1; Phantom section: Flat 2.2 Section

Channel 10 Test/Area Scan (71x81x1): Measurement grid: dx=15mm, dy=15mm

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

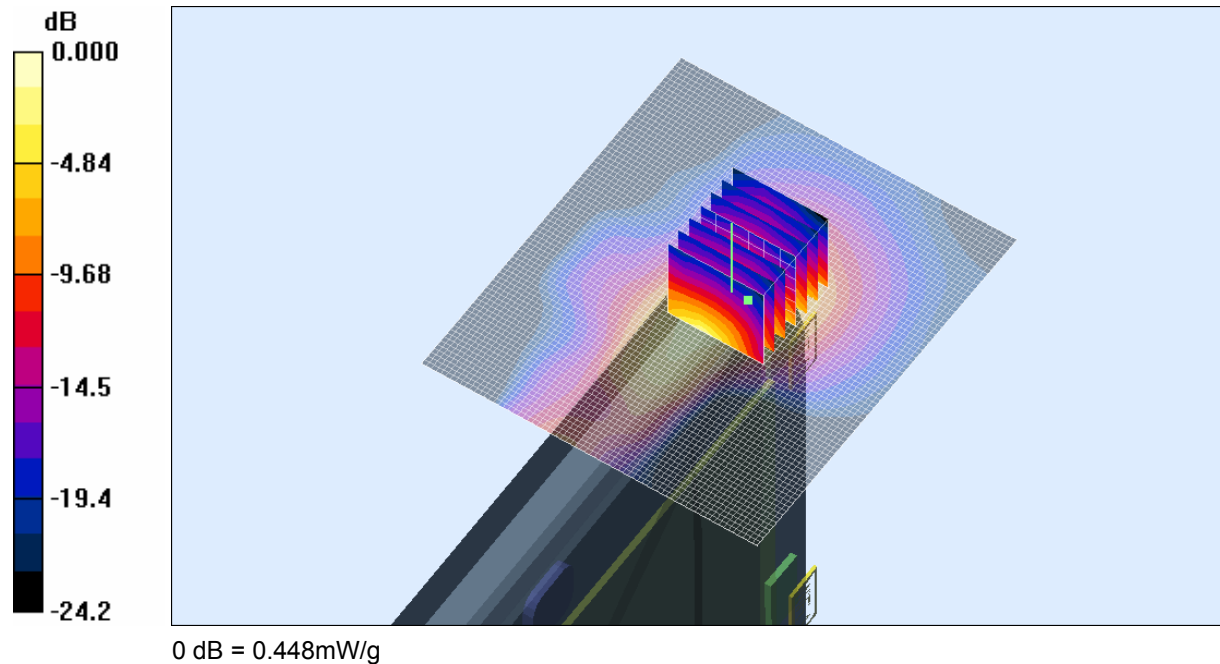
Channel 10 Test/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 5.00 V/m; Power Drift = -0.168 dB

Peak SAR (extrapolated) = 1.10 W/kg

SAR(1 g) = 0.394 mW/g; SAR(10 g) = 0.164 mW/g

Maximum value of SAR (measured) = 0.448 mW/g

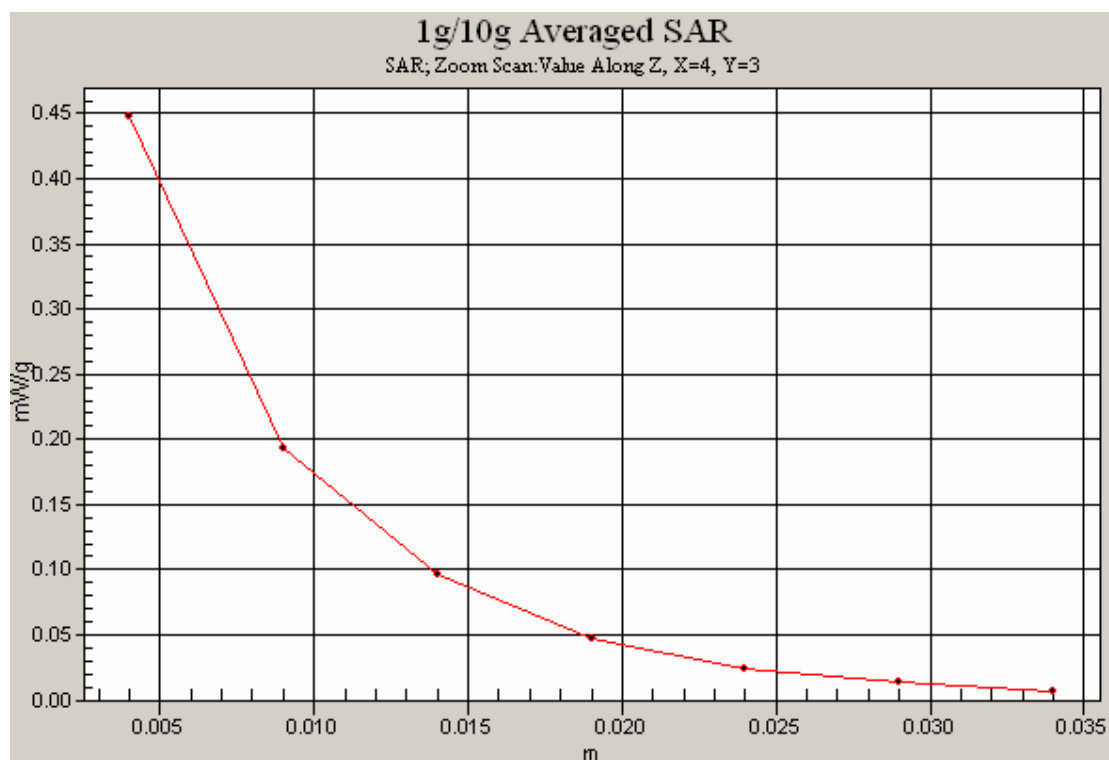


SAR MEASUREMENT PLOT 8

Ambient Temperature
Liquid Temperature
Humidity

21.1 Degrees Celsius
20.9 Degrees Celsius
63.0 %





Test Date: 24 January 2011

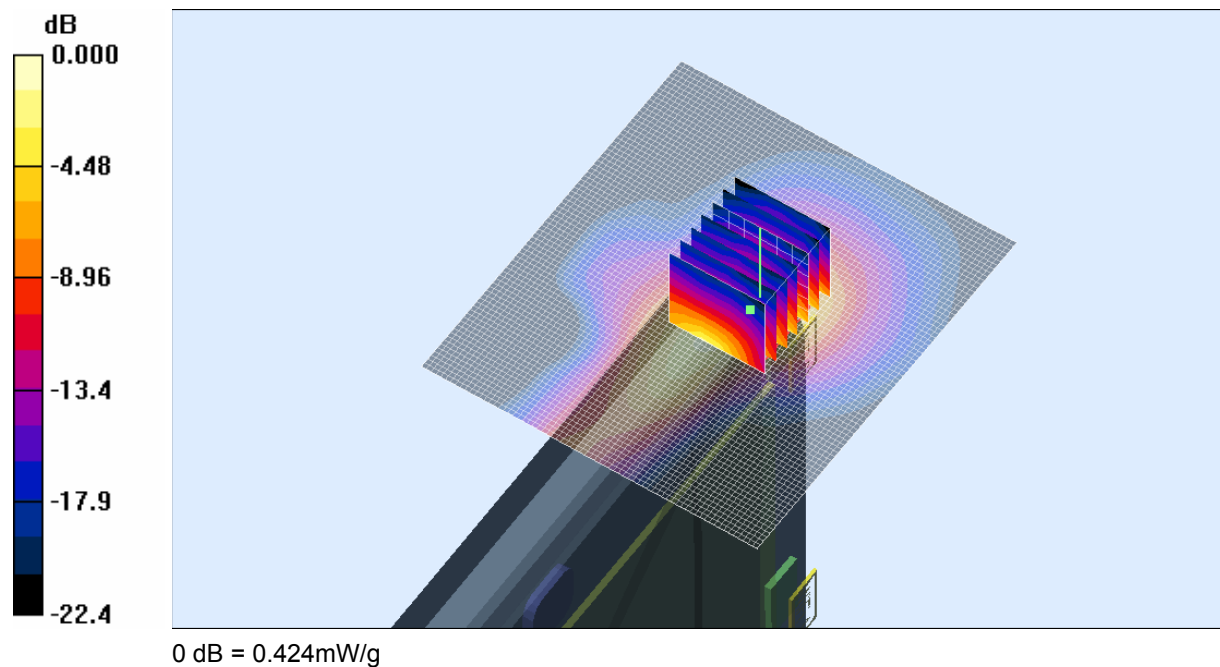
File Name: M101142 Edge On Primary Portrait HT0 (20MHz) 2450 MHz Antenna A (1) 24-01-11.da4

DUT: Fujitsu Tablet Stork with Taylor 11abgn and Bluetooth; Type: 62205ANHMMW; Serial: WFM: 001500647600

- * Communication System: OFDM 2450 MHz; Frequency: 2437 MHz; Duty Cycle: 1:1
- * Medium parameters used: $f = 2438$ MHz; $\sigma = 1.89$ mho/m; $\epsilon_r = 51.4$; $\rho = 1000$ kg/m³
- Electronics: DAE3 Sn442; Probe: ET3DV6 - SN1380; ConvF(4.09, 4.09, 4.09)
- Phantom: Flat Phantom 9.1; Serial: P 9.1; Phantom section: Flat 2.2 Section

Channel 6 Test/Area Scan (71x81x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.403 mW/g

Channel 6 Test/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 4.64 V/m; Power Drift = -0.464 dB
Peak SAR (extrapolated) = 1.08 W/kg
SAR(1 g) = 0.381 mW/g; SAR(10 g) = 0.159 mW/g
Maximum value of SAR (measured) = 0.424 mW/g

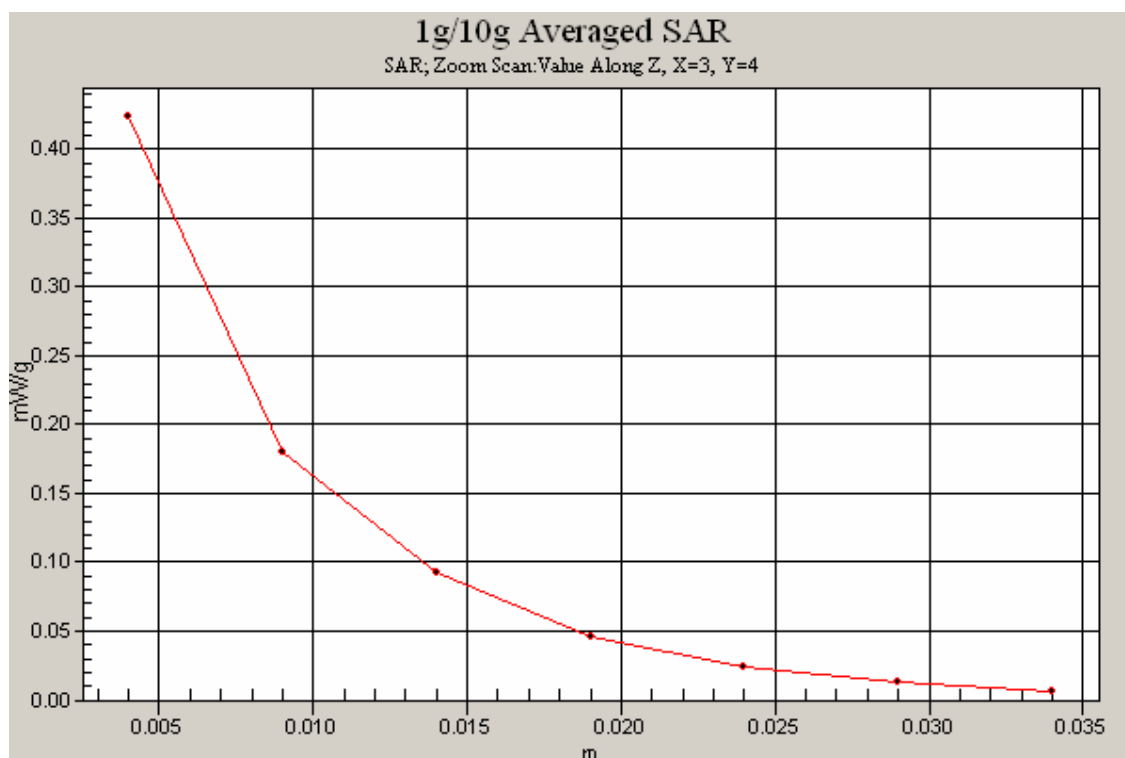


SAR MEASUREMENT PLOT 9

Ambient Temperature
Liquid Temperature
Humidity

21.1 Degrees Celsius
20.9 Degrees Celsius
63.0 %





Test Date: 24 January 2011

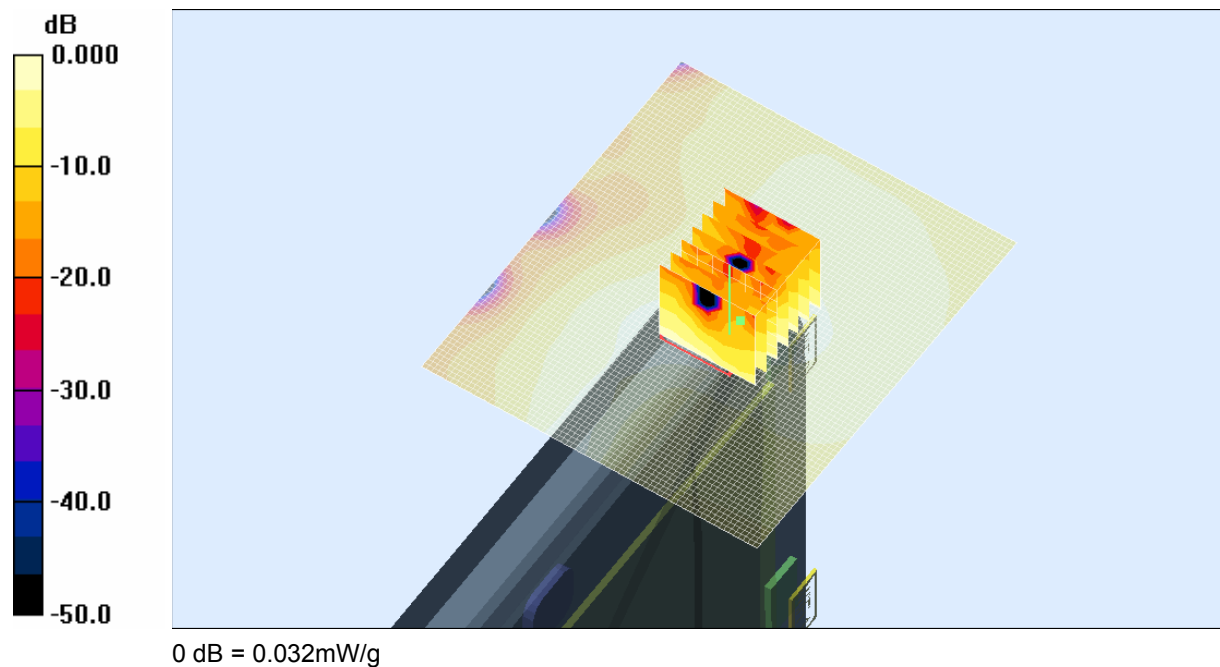
File Name: M101142 Edge On Primary Portrait OFDM 2450 MHz Antenna B (2) 24-01-11.da4

DUT: Fujitsu Tablet Stork with Taylor 11abgn and Bluetooth; Type: 62205ANHMMW; Serial: WFM: 001500647600

- * Communication System: OFDM 2450 MHz; Frequency: 2437 MHz; Duty Cycle: 1:1
- * Medium parameters used: $f = 2438$ MHz; $\sigma = 1.89$ mho/m; $\epsilon_r = 51.4$; $\rho = 1000$ kg/m³
- Electronics: DAE3 Sn442; Probe: ET3DV6 - SN1380; ConvF(4.09, 4.09, 4.09)
- Phantom: Flat Phantom 9.1; Serial: P 9.1; Phantom section: Flat 2.2 Section

Channel 6 Test/Area Scan (71x81x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.033 mW/g

Channel 6 Test/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 2.35 V/m; Power Drift = 0.083 dB
Peak SAR (extrapolated) = 0.067 W/kg
SAR(1 g) = 0.028 mW/g; SAR(10 g) = 0.014 mW/g
Maximum value of SAR (measured) = 0.032 mW/g



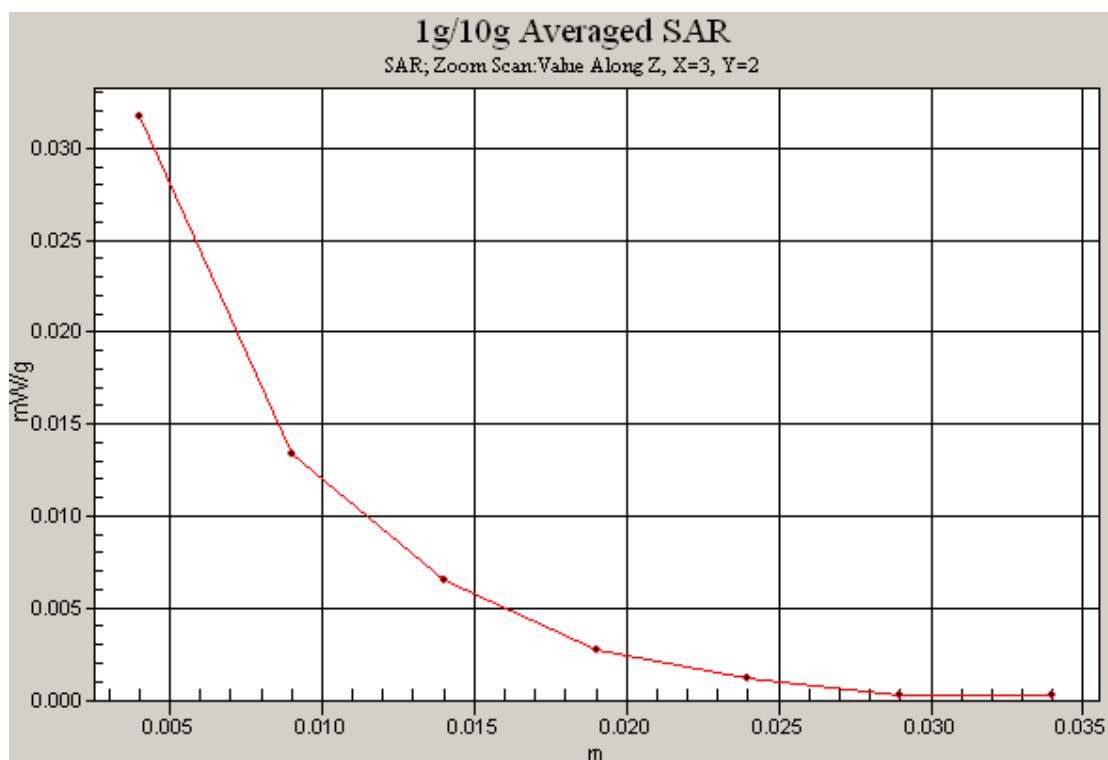
SAR MEASUREMENT PLOT 10

Ambient Temperature
Liquid Temperature
Humidity

21.1 Degrees Celsius
20.9 Degrees Celsius
63.0 %



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Test Date: 24 January 2011

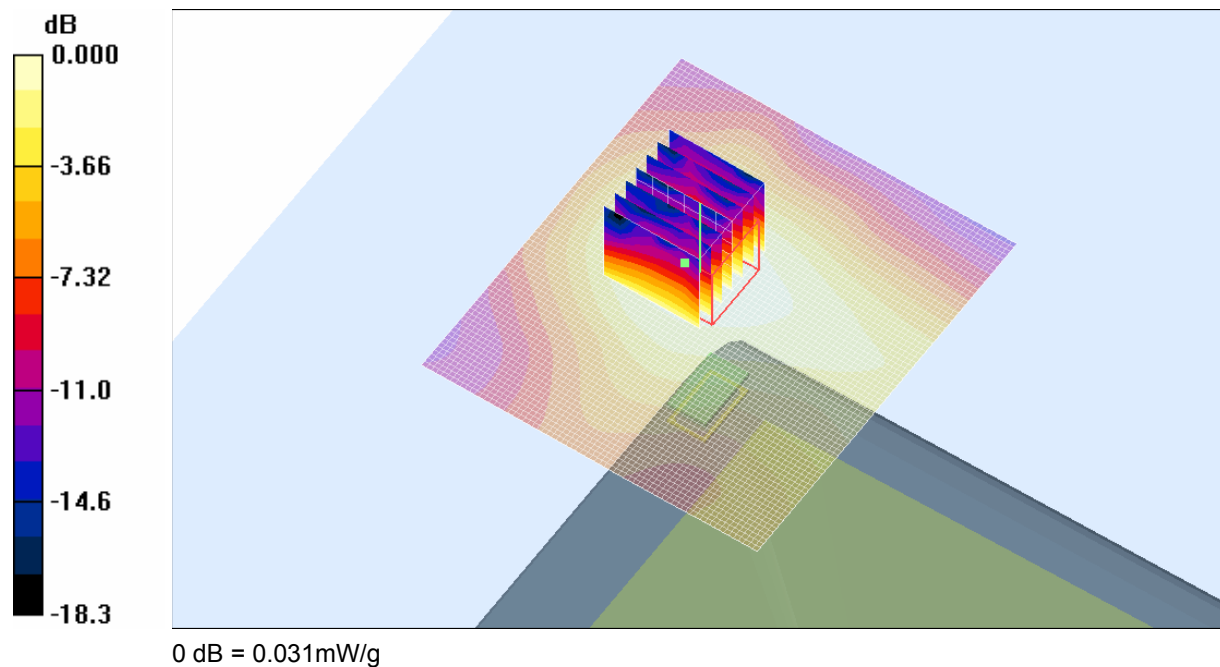
File Name: M101142 Bystander OFDM 2450 MHz Antenna A (1) 24-01-11.da4

DUT: Fujitsu Tablet Stork with Taylor 11abgn and Bluetooth; Type: 62205ANHMMW; Serial: WFM: 001500647600

- * Communication System: OFDM 2450 MHz; Frequency: 2437 MHz; Duty Cycle: 1:1
- * Medium parameters used: $f = 2438$ MHz; $\sigma = 1.89$ mho/m; $\epsilon_r = 51.4$; $\rho = 1000$ kg/m³
- Electronics: DAE3 Sn442; Probe: ET3DV6 - SN1380; ConvF(4.09, 4.09, 4.09)
- Phantom: Flat Phantom 9.1; Serial: P 9.1; Phantom section: Flat 2.2 Section

Channel 6 Test/Area Scan (71x81x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.031 mW/g

Channel 6 Test/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 3.85 V/m; Power Drift = 0.083 dB
Peak SAR (extrapolated) = 0.060 W/kg
SAR(1 g) = 0.029 mW/g; SAR(10 g) = 0.017 mW/g
Maximum value of SAR (measured) = 0.031 mW/g

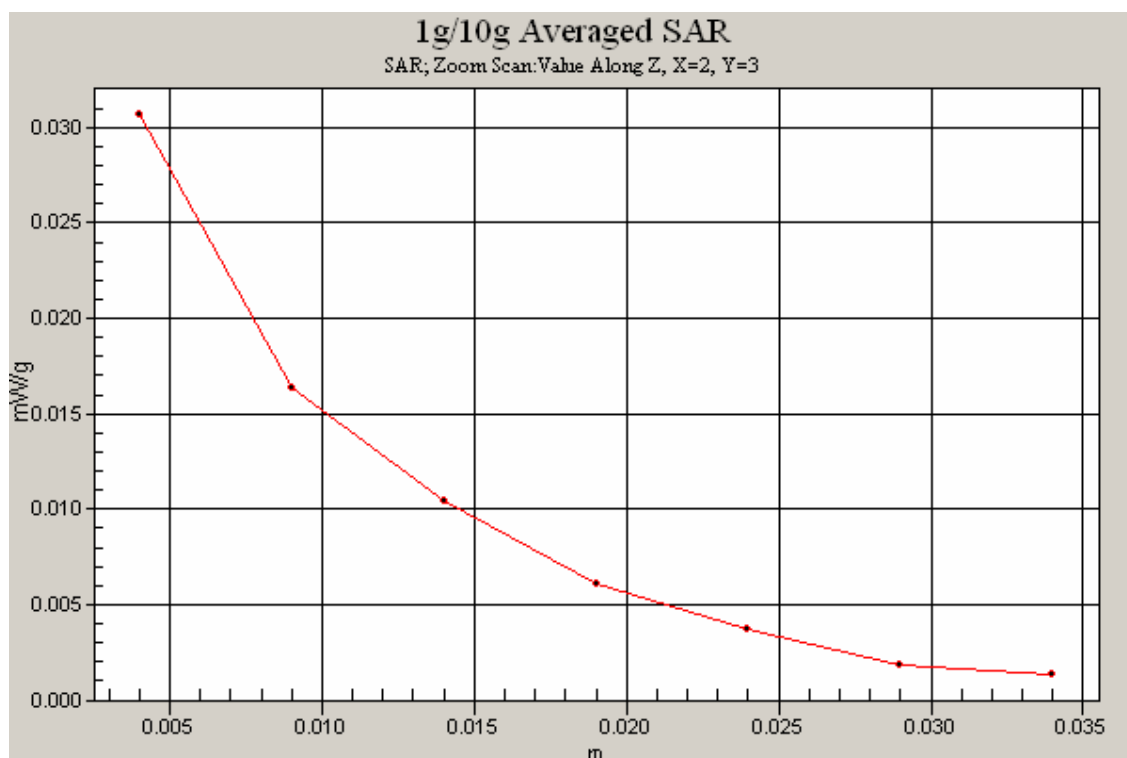


SAR MEASUREMENT PLOT 11

Ambient Temperature
Liquid Temperature
Humidity

21.1 Degrees Celsius
20.9 Degrees Celsius
63.0 %





Test Date: 24 January 2011

File Name: M101142 Tablet OFDM 2450 MHz Antenna B (2) 24-01-11.da4

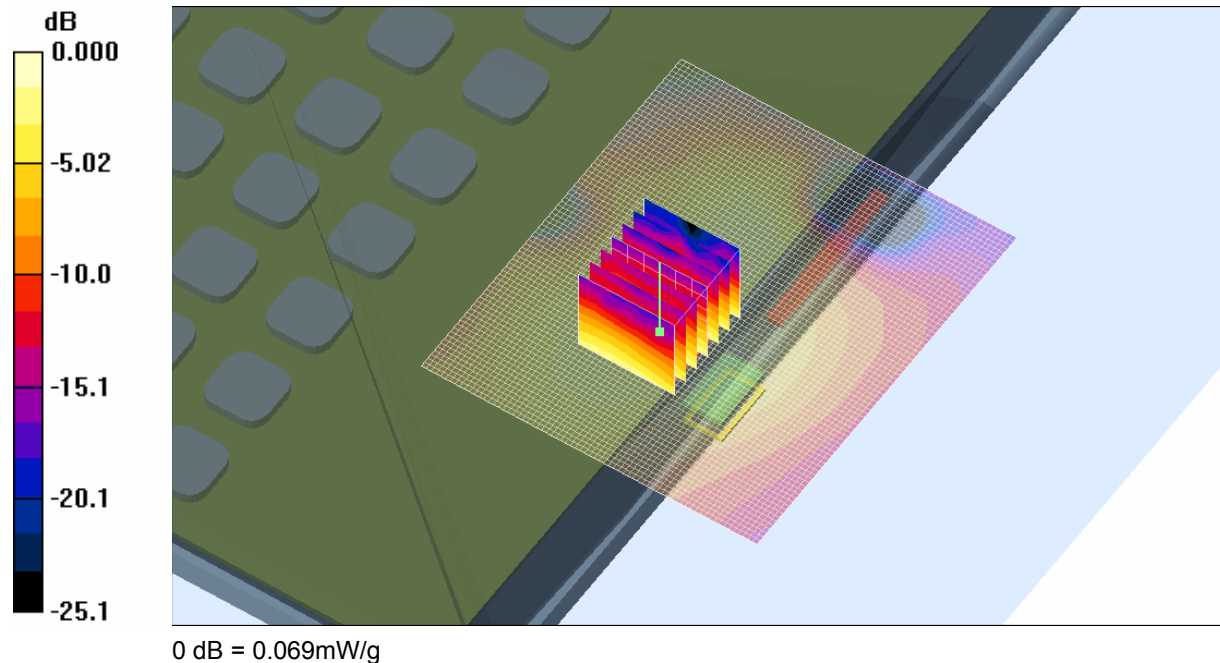
DUT: Fujitsu Tablet Stork with Taylor 11abgn and Bluetooth; Type: 62205ANHMMW; Serial: WFM: 001500647600

- * Communication System: OFDM 2450 MHz; Frequency: 2437 MHz; Duty Cycle: 1:1
- * Medium parameters used: $f = 2438$ MHz; $\sigma = 1.89$ mho/m; $\epsilon_r = 51.4$; $\rho = 1000$ kg/m³
- Electronics: DAE3 Sn442; Probe: ET3DV6 - SN1380; ConvF(4.09, 4.09, 4.09)
- Phantom: Flat Phantom 9.1; Serial: P 9.1; Phantom section: Flat 2.2 Section

Channel 6 Test/Area Scan (71x81x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.069 mW/g

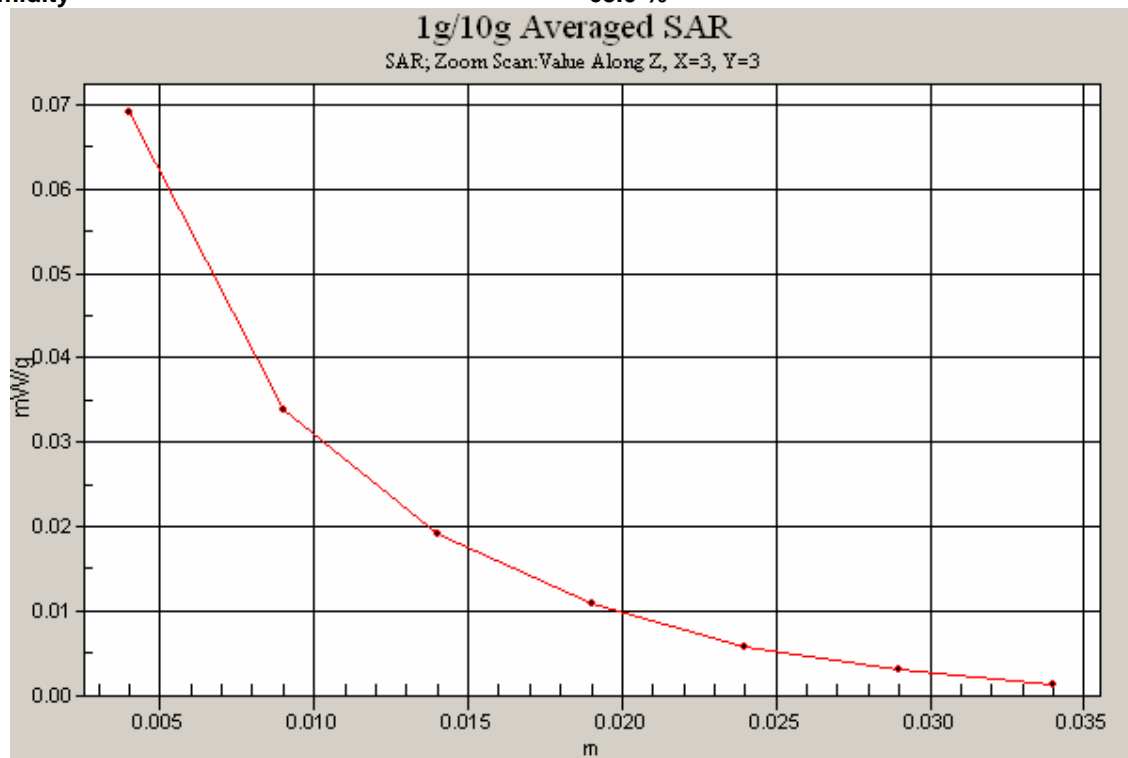
Channel 6 Test/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 4.58 V/m; Power Drift = 0.021 dB
Peak SAR (extrapolated) = 0.152 W/kg
SAR(1 g) = 0.066 mW/g; SAR(10 g) = 0.035 mW/g
Maximum value of SAR (measured) = 0.069 mW/g



**SAR MEASUREMENT PLOT 12**

Ambient Temperature
Liquid Temperature
Humidity

21.1 Degrees Celsius
20.9 Degrees Celsius
63.0 %



Test Date: 24 January 2011

File Name: System Check 2450 MHz (DAE442 Probe1380) 24-01-11.da4

DUT: Dipole 2450 MHz; Type: DV2450V2; Serial: 724

* Communication System: CW 2450 MHz; Frequency: 2450 MHz; Duty Cycle: 1:1

* Medium parameters used: $f = 2450$ MHz; $\sigma = 1.9$ mho/m; $\epsilon_r = 51.3$; $\rho = 1000$ kg/m³

- Electronics: DAE3 Sn442; Probe: ET3DV6 - SN1380; ConvF(4.09, 4.09, 4.09)

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

Channel 1 Test/Area Scan (51x51x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 16.4 mW/g

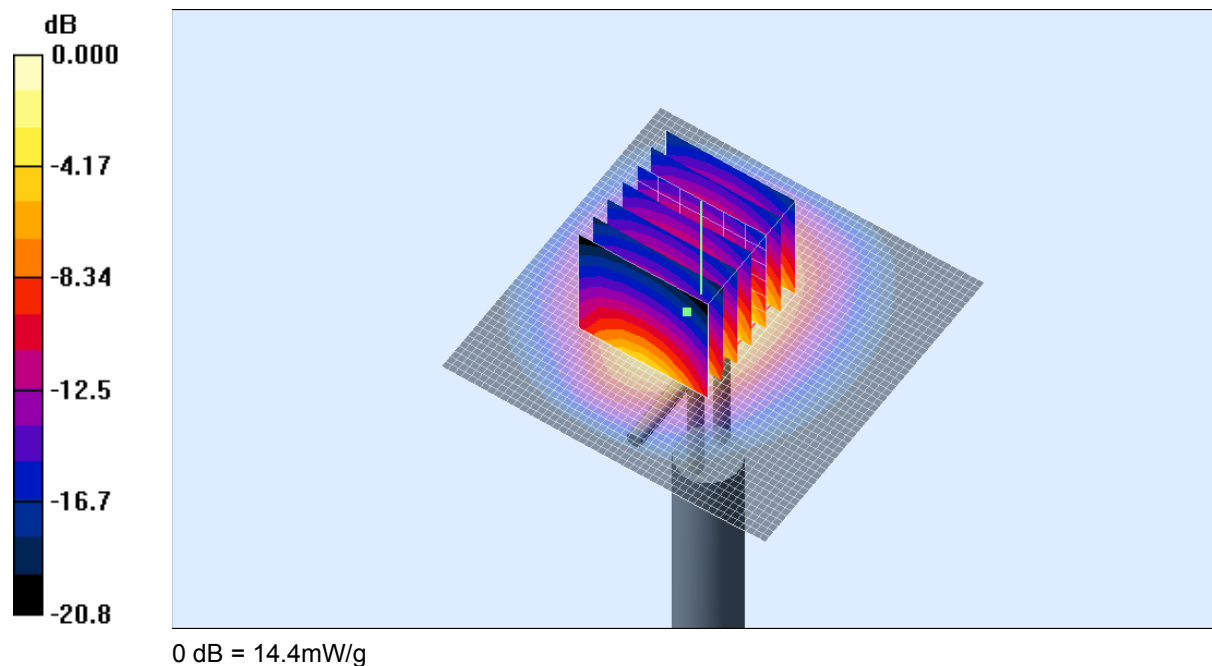
Channel 1 Test/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 88.9 V/m; Power Drift = -0.106 dB

Peak SAR (extrapolated) = 29.0 W/kg

SAR(1 g) = 13.1 mW/g; SAR(10 g) = 6.21 mW/g

Maximum value of SAR (measured) = 14.4 mW/g



SAR MEASUREMENT PLOT 13

Ambient Temperature
Liquid Temperature
Humidity

21.1 Degrees Celsius
20.9 Degrees Celsius
63.0 %



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