

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: 5200 MHz Band SAR Measurement Plot Numbers

Test Position	Plot No.	Ant	Bit rate Mode (Mbps)	Channel Bandwidth (MHz)	Test Channel
Primary Portrait	1	A	6	-	52
Secondary Landscape	2	A	6	-	36
	3	A			52
	4	A			64
Tablet	5	A	6	-	52

Table: 5600 MHz Band SAR Measurement Plot Numbers

Test Position	Plot No.	Ant	Bit rate Mode (Mbps)	Channel Bandwidth (MHz)	Test Channel
Primary Portrait	6	A	6	-	120
Secondary Landscape	7	A	6	-	100
	8	A			120
	9	A			140
Secondary Landscape 5.2Ah Battery	10	A	6	-	120
Tablet	11	A	6	-	120

Table: 5800 MHz Band SAR Measurement Plot Numbers

Test Position	Plot No.	Ant	Bit rate Mode (Mbps)	Channel Bandwidth (MHz)	Test Channel
Primary Portrait	12	A	6	-	157
	13	A	-	20	157
	14	A	-	40	157
Secondary Landscape	15	A	6	-	149
	16	A			157
	17	A			165
Tablet	18	A	6	-	157

Table: Validation Plots

Plot 19	Validation 5800 MHz 31 st July 2009
Plot 20	Validation 5200 MHz 1 st August 2009
Plot 21	Validation 5200 MHz 18 th August 2009
Plot 22	Validation 5500 MHz 19 th August 2009
Plot 23	Validation 5800 MHz 19 th August 2009



Test Date: 1 August 2009

File Name: M090734 Primary Portrait OFDM 5.2 GHz WiFi Antenna A (1) 01-08-09.da4

DUT: Fujitsu Tablet Chaldea with SP 11abgn; Type: 512AN_HMW; Serial: MAC: 022FB69A302

- * Communication System: OFDM 5250 MHz; Frequency: 5260 MHz; Duty Cycle: 1:1
- * Medium parameters used: $f = 5262$ MHz; $\sigma = 5.48$ mho/m; $\epsilon_r = 47.9$; $\rho = 1000$ kg/m³
- Electronics: DAE3 Sn442; Probe: EX3DV4 - SN3563; ConvF(3.92, 3.92, 3.92)
- Phantom: Flat Phantom 10.1; Serial: P 10.1; Phantom section: Flat 2.2 Section

Channel 52 Test/Area Scan (71x121x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.302 mW/g

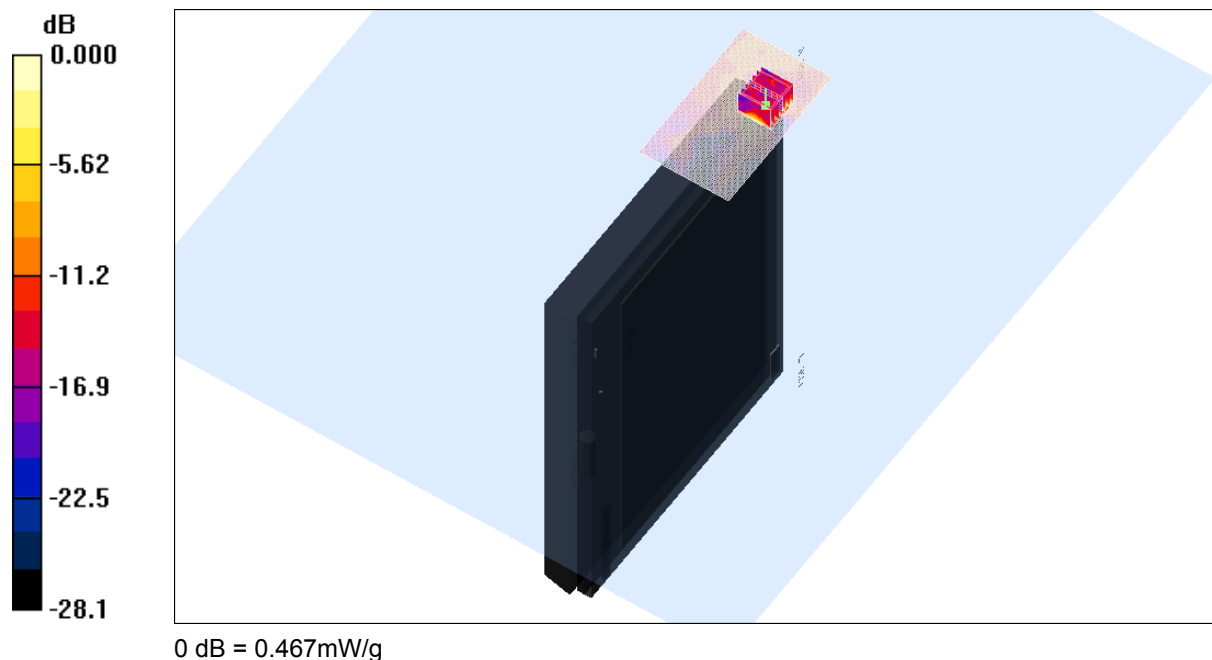
Channel 52 Test/Zoom Scan (7x7x8)/Cube 0: Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm

Reference Value = 7.19 V/m; Power Drift = -0.259 dB

Peak SAR (extrapolated) = 1.31 W/kg

SAR(1 g) = 0.219 mW/g; SAR(10 g) = 0.071 mW/g

Maximum value of SAR (measured) = 0.467 mW/g

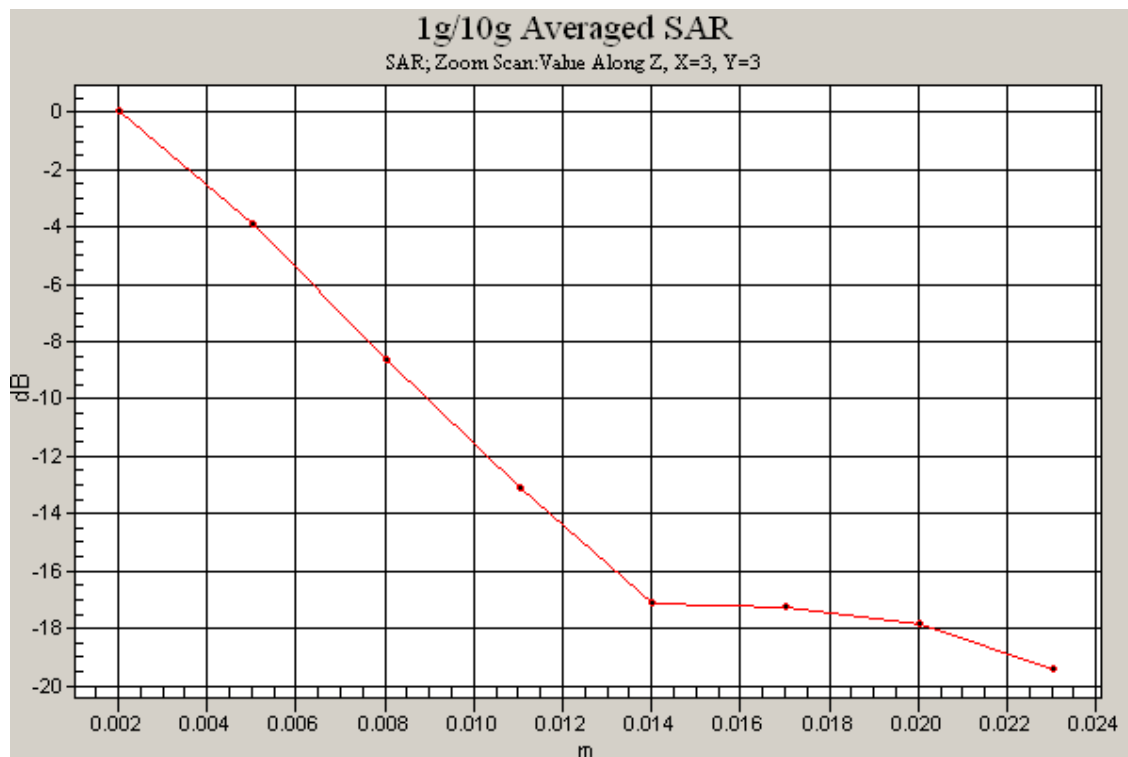


SAR MEASUREMENT PLOT 1

Ambient Temperature
Liquid Temperature
Humidity

20.4 Degrees Celsius
20.2 Degrees Celsius
42.0 %





Test Date: 18 August 2009

File Name: M090734 Secondary Landscape OFDM 5.2 GHz WiFi Antenna A (1) 18-08-09.da4

DUT: Fujitsu Tablet Chaldea with SP 11abgn; Type: 512AN_HMW; Serial: MAC: 022FB69A302

- * Communication System: OFDM 5250 MHz; Frequency: 5180 MHz; Duty Cycle: 1:1
- * Medium parameters used: $f = 5173$ MHz; $\sigma = 5.23$ mho/m; $\epsilon_r = 48.2$; $\rho = 1000$ kg/m³
- Electronics: DAE3 Sn442; Probe: EX3DV4 - SN3563; ConvF(3.92, 3.92, 3.92)
- Phantom: Flat Phantom 10.1; Serial: P 10.1; Phantom section: Flat 2.2 Section

Channel 36 Test/Area Scan (71x121x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.729 mW/g

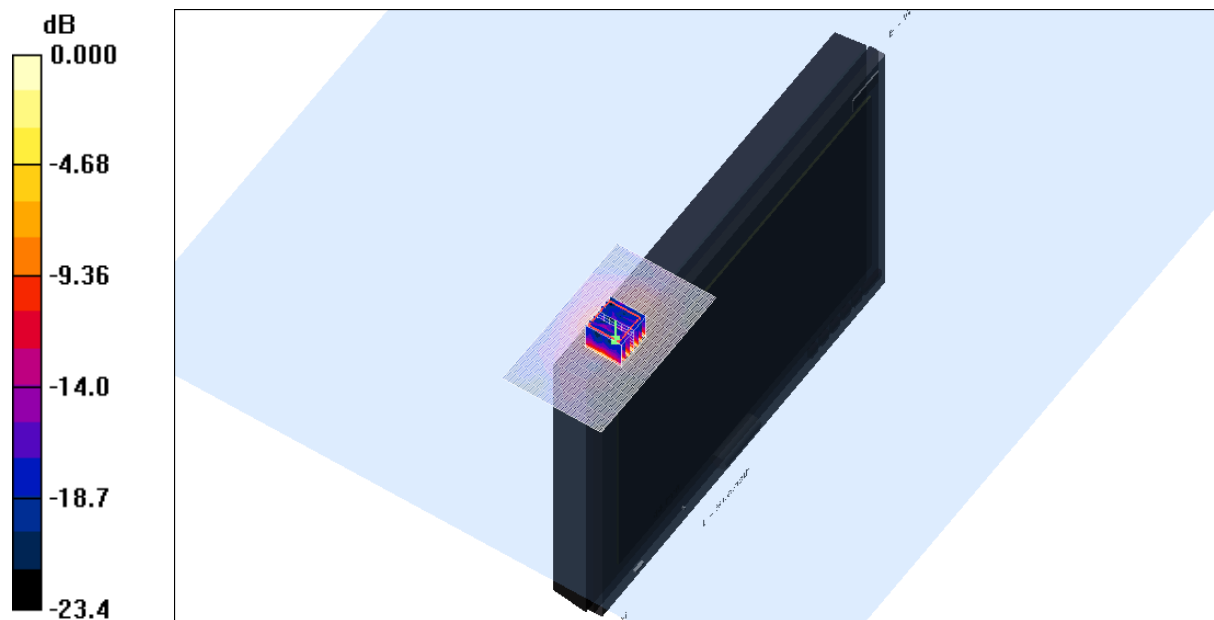
Channel 36 Test/Zoom Scan (7x7x8)/Cube 0: Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm

Reference Value = 13.0 V/m; Power Drift = 0.085 dB

Peak SAR (extrapolated) = 2.09 W/kg

SAR(1 g) = 0.629 mW/g; SAR(10 g) = 0.211 mW/g

Maximum value of SAR (measured) = 1.20 mW/g



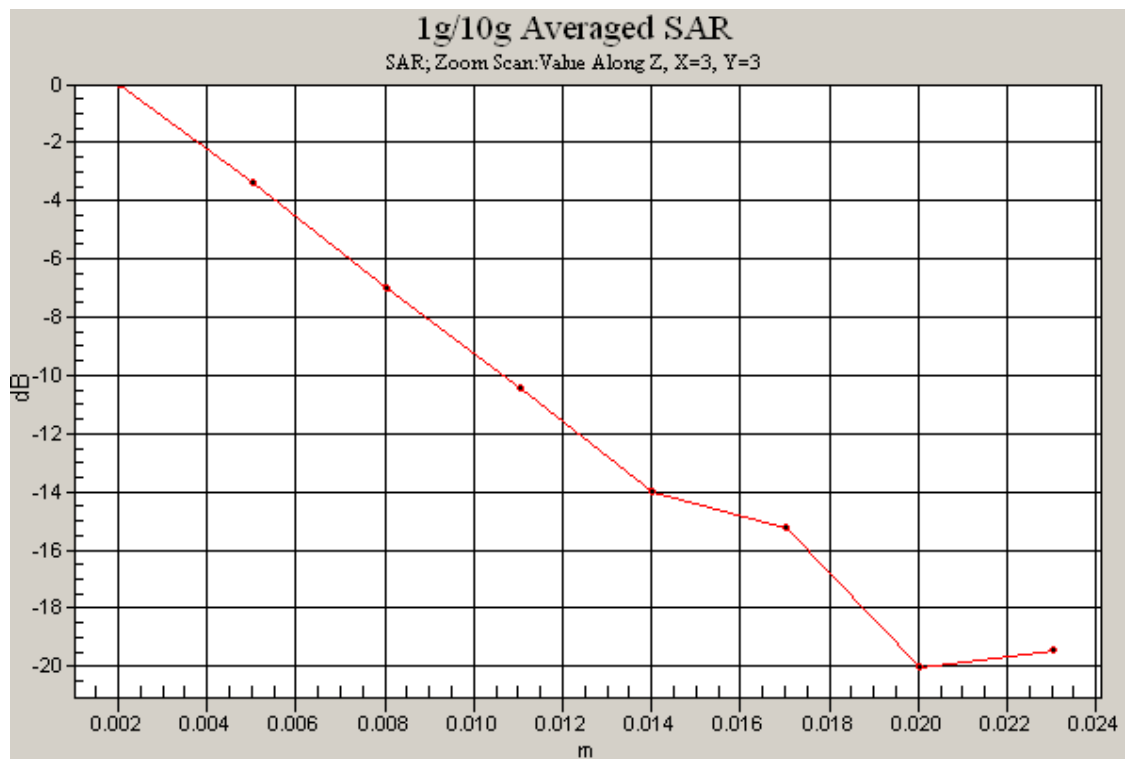
0 dB = 1.20mW/g

SAR MEASUREMENT PLOT 2

Ambient Temperature
Liquid Temperature
Humidity

20.5 Degrees Celsius
20.3 Degrees Celsius
43.0 %





Test Date: 18 August 2009

File Name: M090734 Secondary Landscape OFDM 5.2 GHz WiFi Antenna A (1) 18-08-09.da4

DUT: Fujitsu Tablet Chaldea with SP 11abgn; Type: 512AN_HMW; Serial: MAC: 022FB69A302

- * Communication System: OFDM 5250 MHz; Frequency: 5260 MHz; Duty Cycle: 1:1
- * Medium parameters used: $f = 5260.6$ MHz; $\sigma = 5.43$ mho/m; $\epsilon_r = 47.9$; $\rho = 1000$ kg/m³
- Electronics: DAE3 Sn442; Probe: EX3DV4 - SN3563; ConvF(3.92, 3.92, 3.92)
- Phantom: Flat Phantom 10.1; Serial: P 10.1; Phantom section: Flat 2.2 Section

Channel 52 Test/Area Scan (71x121x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 1.75 mW/g

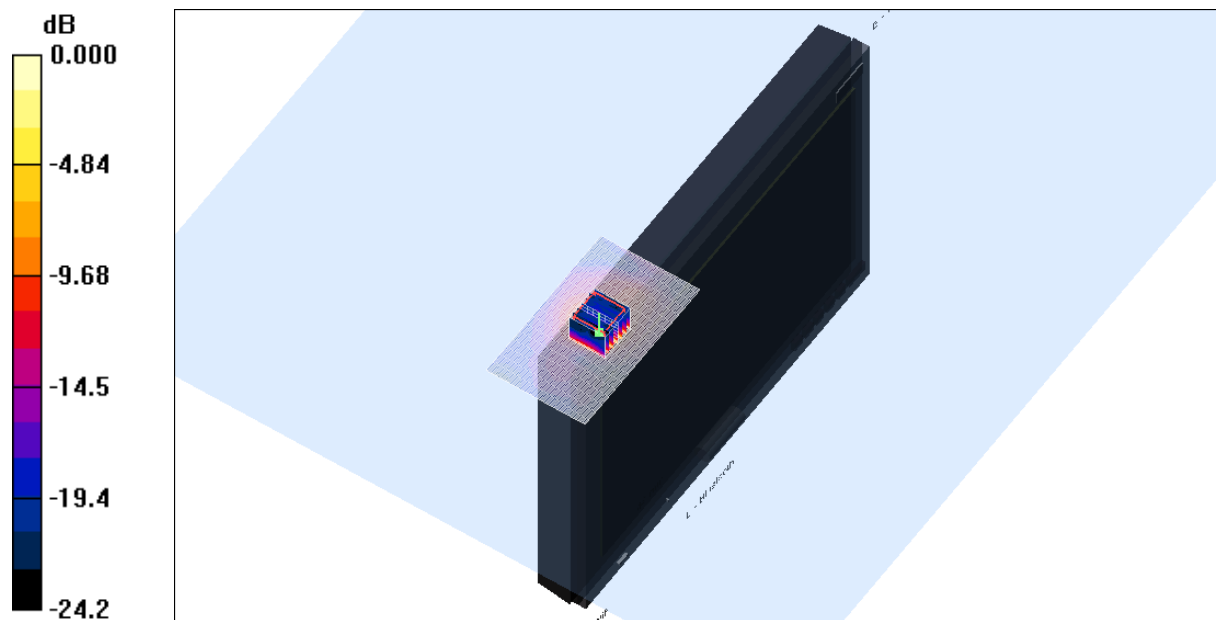
Channel 52 Test/Zoom Scan (7x7x8)/Cube 0: Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm

Reference Value = 18.6 V/m; Power Drift = -0.147 dB

Peak SAR (extrapolated) = 5.03 W/kg

SAR(1 g) = 1.45 mW/g; SAR(10 g) = 0.463 mW/g

Maximum value of SAR (measured) = 2.94 mW/g



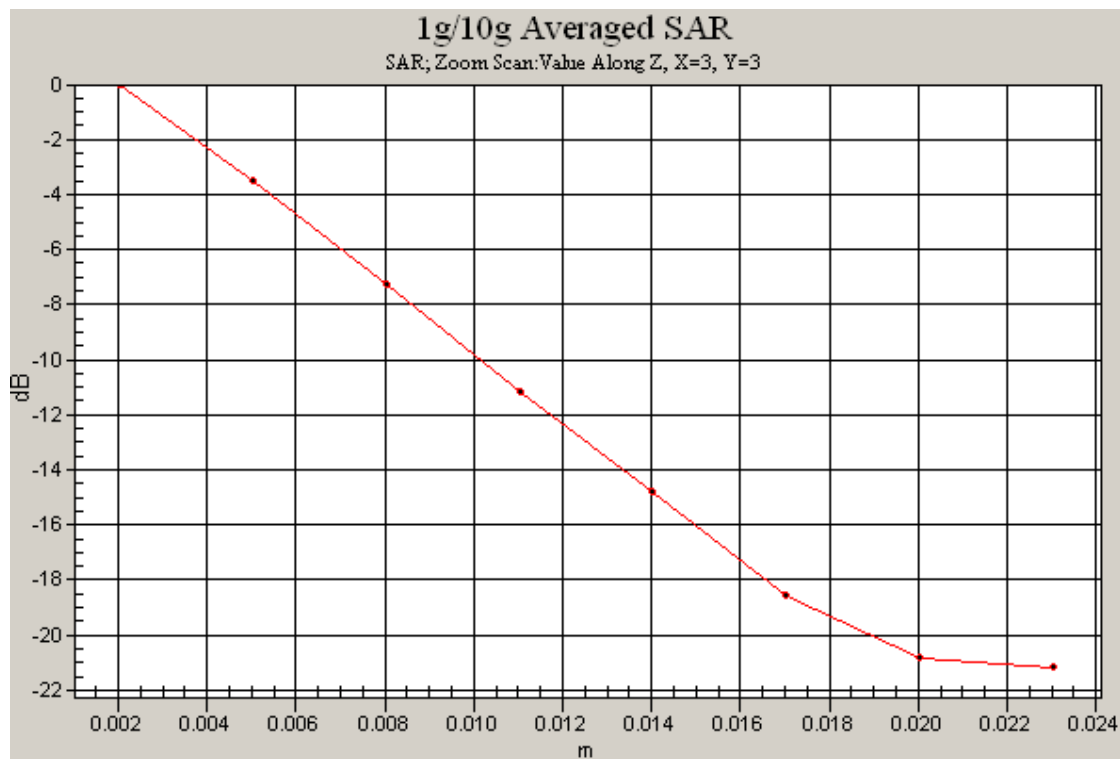
0 dB = 2.94mW/g

SAR MEASUREMENT PLOT 3

Ambient Temperature
Liquid Temperature
Humidity

20.5 Degrees Celsius
20.3 Degrees Celsius
43.0 %





Test Date: 18 August 2009

File Name: M090734 Secondary Landscape OFDM 5.2 GHz WiFi Antenna A (1) 18-08-09.da4

DUT: Fujitsu Tablet Chaldea with SP 11abgn; Type: 512AN_HMW; Serial: MAC: 022FB69A302

- * Communication System: OFDM 5250 MHz; Frequency: 5320 MHz; Duty Cycle: 1:1
- * Medium parameters used: $f = 5319$ MHz; $\sigma = 5.54$ mho/m; $\epsilon_r = 47.8$; $\rho = 1000$ kg/m³
- Electronics: DAE3 Sn442; Probe: EX3DV4 - SN3563; ConvF(3.92, 3.92, 3.92)
- Phantom: Flat Phantom 10.1; Serial: P 10.1; Phantom section: Flat 2.2 Section

Channel 64 Test/Area Scan (71x121x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.809 mW/g

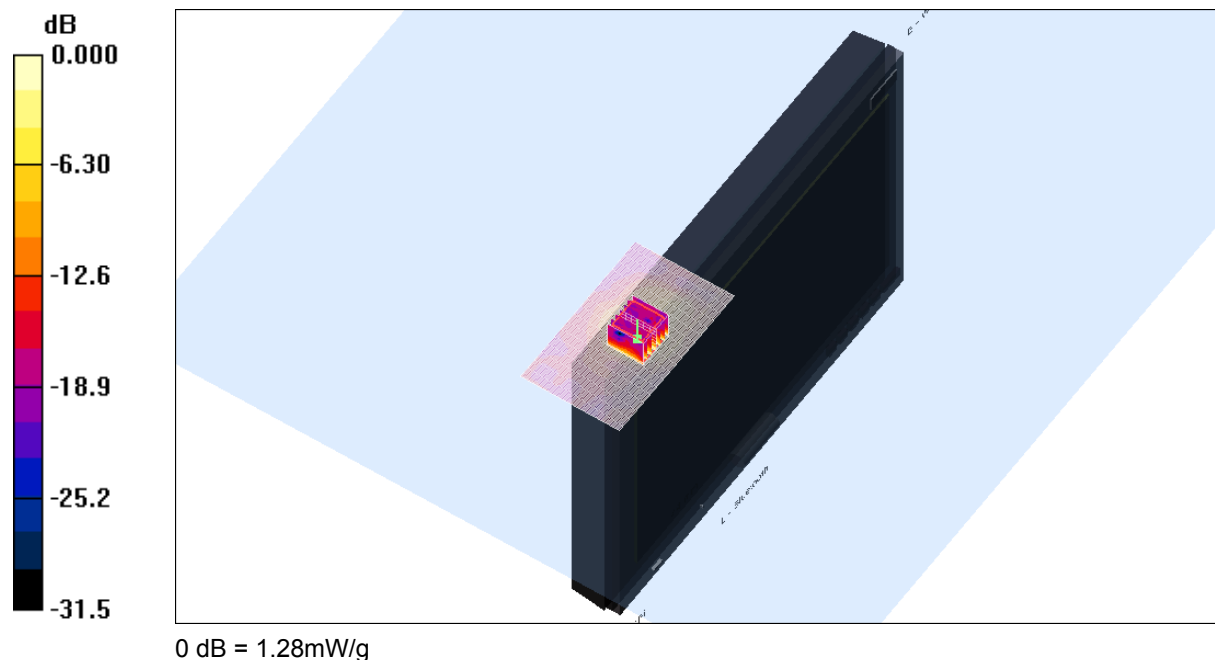
Channel 64 Test/Zoom Scan (7x7x8)/Cube 0: Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm

Reference Value = 14.5 V/m; Power Drift = -0.354 dB

Peak SAR (extrapolated) = 2.35 W/kg

SAR(1 g) = 0.667 mW/g; SAR(10 g) = 0.216 mW/g

Maximum value of SAR (measured) = 1.28 mW/g

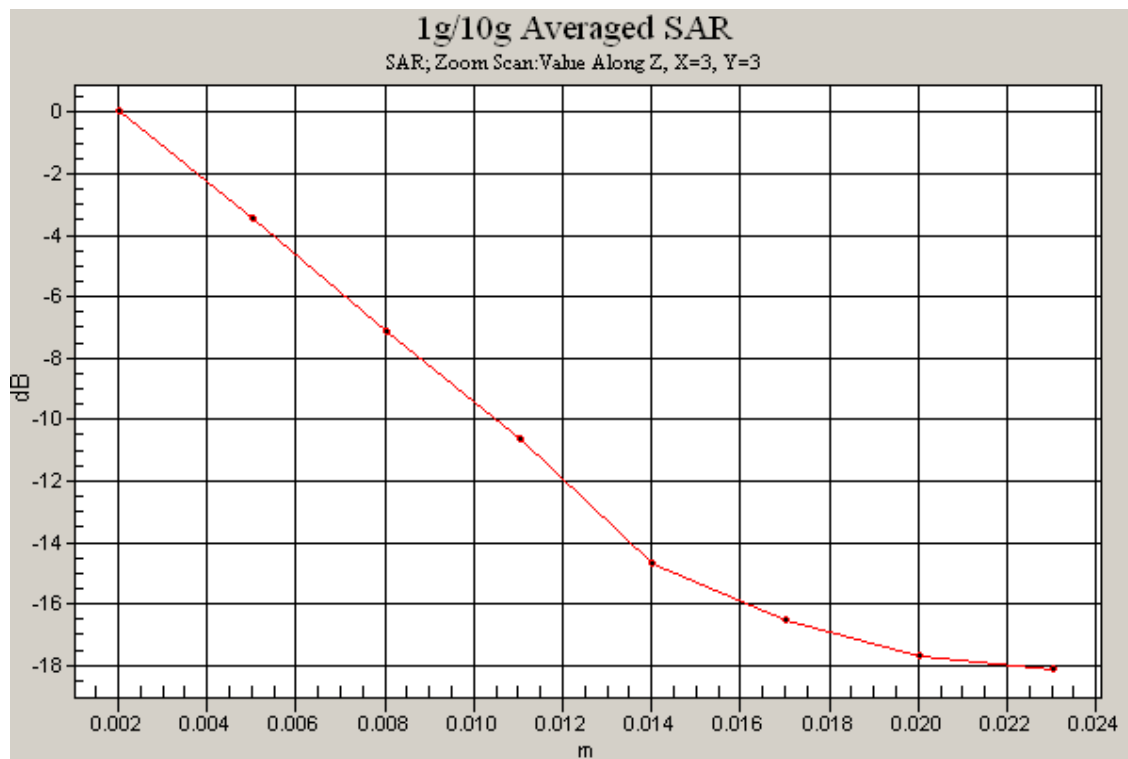


SAR MEASUREMENT PLOT 4

Ambient Temperature
Liquid Temperature
Humidity

20.5 Degrees Celsius
20.3 Degrees Celsius
43.0 %





Test Date: 1 August 2009

File Name: M090734 Tablet OFDM 5.2 GHz WiFi Antenna A (1) 01-08-09.da4

DUT: Fujitsu Tablet Chaldea with SP 11abgn; Type: 512AN_HMW; Serial: MAC: 022FB69A302

- * Communication System: OFDM 5250 MHz; Frequency: 5260 MHz; Duty Cycle: 1:1
- * Medium parameters used: $f = 5262$ MHz; $\sigma = 5.48$ mho/m; $\epsilon_r = 47.9$; $\rho = 1000$ kg/m³
- Electronics: DAE3 Sn442; Probe: EX3DV4 - SN3563; ConvF(3.92, 3.92, 3.92)
- Phantom: Flat Phantom 10.1; Serial: P 10.1; Phantom section: Flat 2.2 Section

Channel 52 Test/Area Scan (71x121x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.223 mW/g

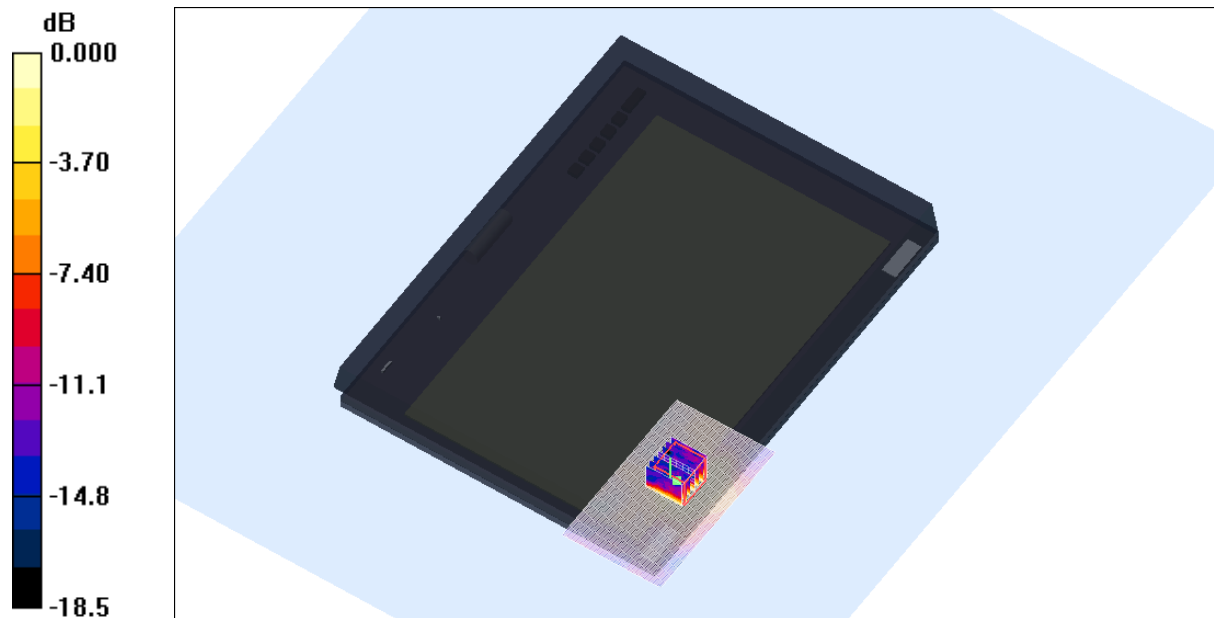
Channel 52 Test/Zoom Scan (7x7x8)/Cube 0: Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm

Reference Value = 6.09 V/m; Power Drift = -0.029 dB

Peak SAR (extrapolated) = 0.618 W/kg

SAR(1 g) = 0.201 mW/g; SAR(10 g) = 0.091 mW/g

Maximum value of SAR (measured) = 0.350 mW/g



0 dB = 0.350mW/g

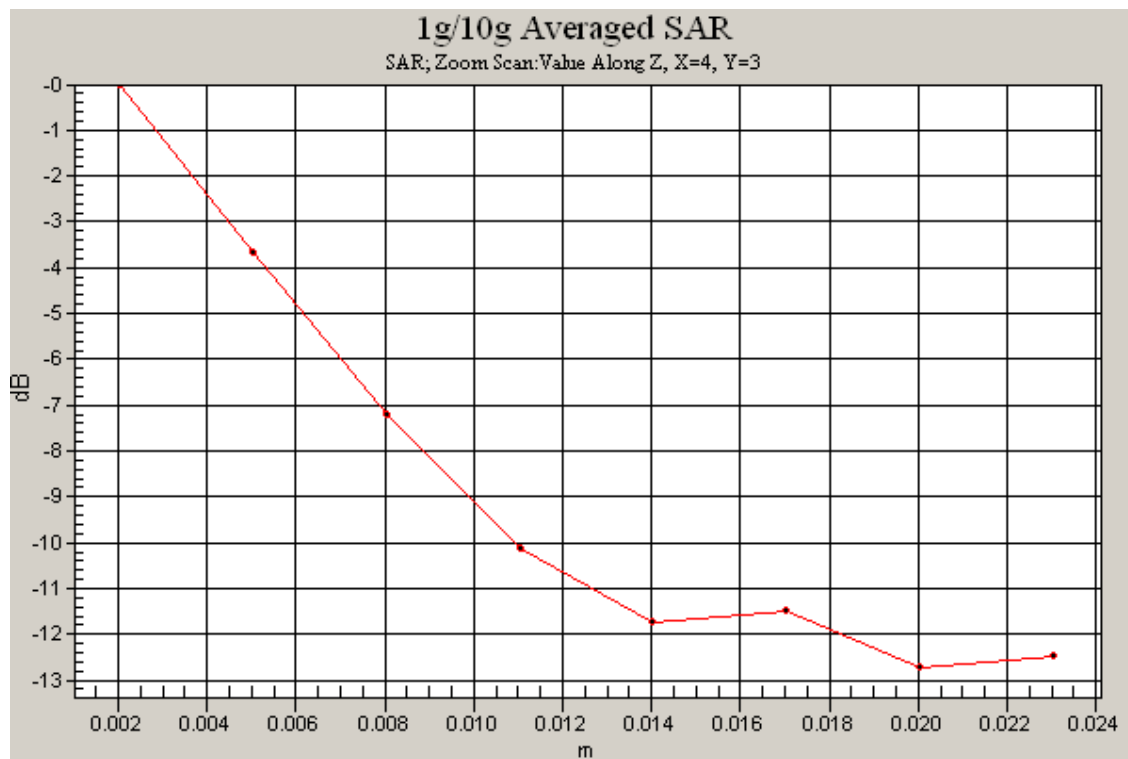
SAR MEASUREMENT PLOT 5

Ambient Temperature
Liquid Temperature
Humidity

20.4 Degrees Celsius
20.2 Degrees Celsius
42.0 %



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Test Date: 19 August 2009

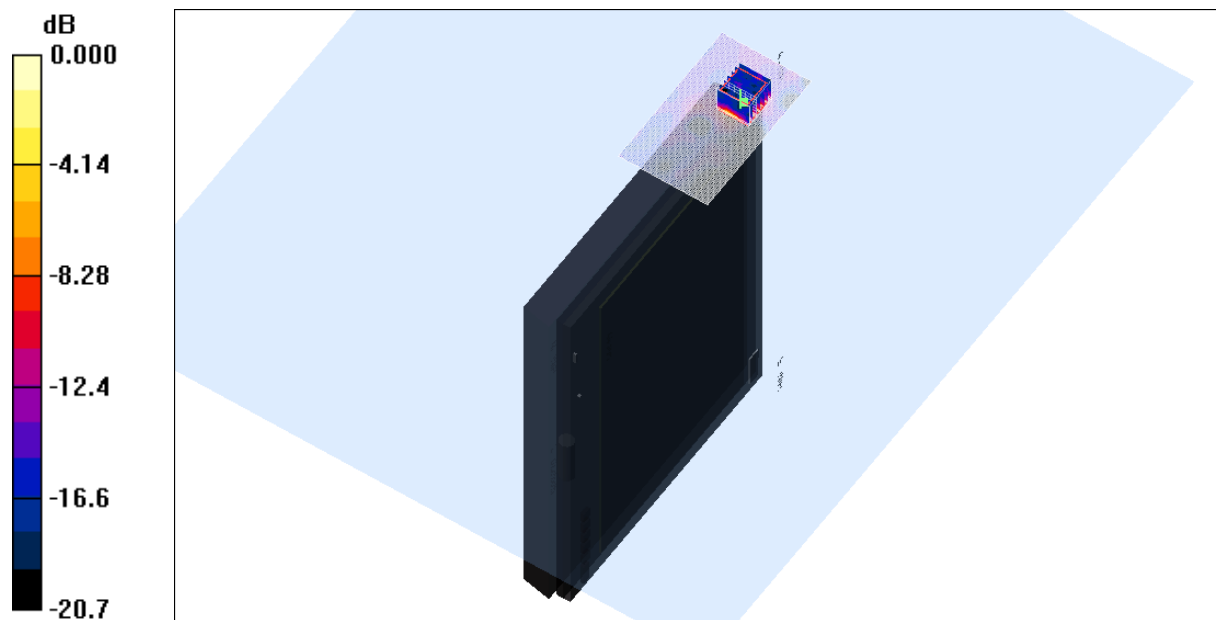
File Name: M090734 Primary Portrait OFDM 5.6 GHz WiFi Antenna A (1) 19-08-09.da4

DUT: Fujitsu Tablet Chaldea with SP 11abgn; Type: 512AN_HMW; Serial: MAC: 022FB69A302

- * Communication System: OFDM 5600 MHz; Frequency: 5600 MHz; Duty Cycle: 1:1
- * Medium parameters used: $f = 5596.4$ MHz; $\sigma = 6.09$ mho/m; $\epsilon_r = 46.8$; $\rho = 1000$ kg/m³
- Electronics: DAE3 Sn442; Probe: EX3DV4 - SN3563; ConvF(3.36, 3.36, 3.36)
- Phantom: Flat Phantom 10.1; Serial: P 10.1; Phantom section: Flat 2.2 Section

Channel 120 Test/Area Scan (71x121x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.582 mW/g

Channel 120 Test/Zoom Scan (7x7x8)/Cube 0: Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm
Reference Value = 14.5 V/m; Power Drift = -0.196 dB
Peak SAR (extrapolated) = 2.41 W/kg
SAR(1 g) = 0.556 mW/g; SAR(10 g) = 0.178 mW/g
Maximum value of SAR (measured) = 1.19 mW/g

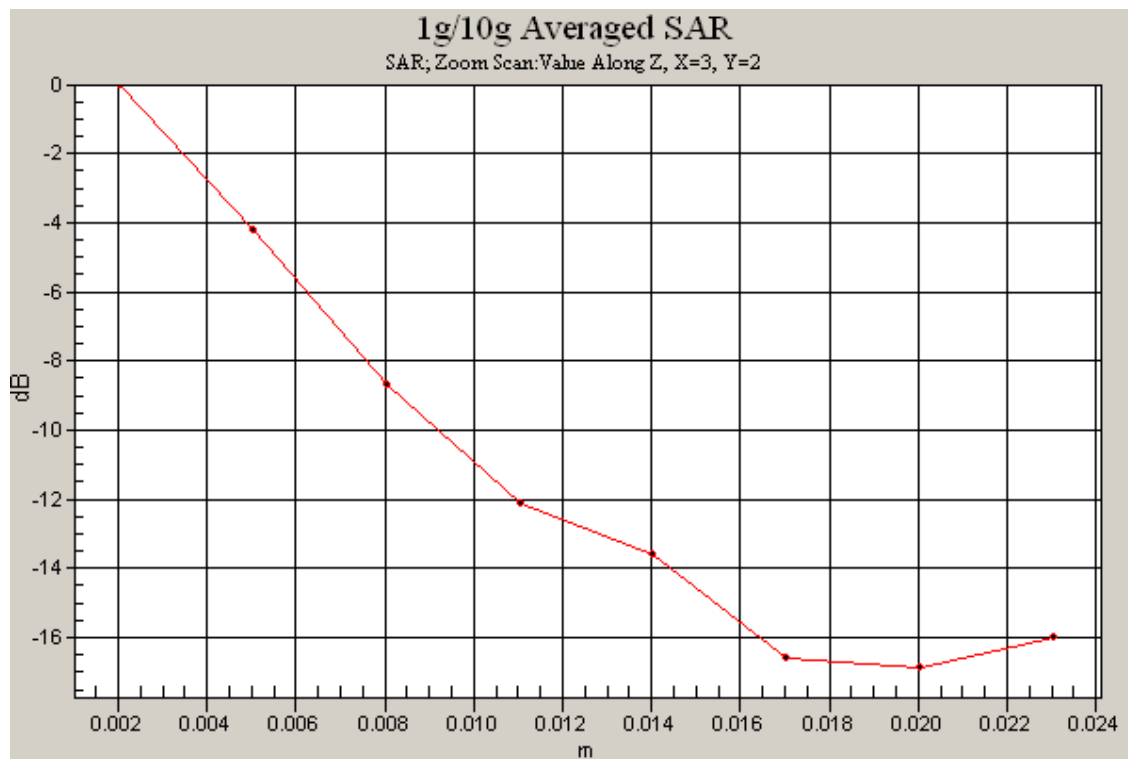


SAR MEASUREMENT PLOT 6

Ambient Temperature
Liquid Temperature
Humidity

20.3 Degrees Celsius
20.0 Degrees Celsius
42.0 %





Test Date: 19 August 2009

File Name: M090734 Secondary Landscape OFDM 5.6 GHz WiFi Antenna A (1) 19-08-09.da4

DUT: **Fujitsu Tablet Chaldea with SP 11abgn; Type: 512AN_HMW; Serial: MAC: 022FB69A302**

- * Communication System: OFDM 5600 MHz; Frequency: 5500 MHz; Duty Cycle: 1:1
- * Medium parameters used: $f = 5494.2$ MHz; $\sigma = 5.89$ mho/m; $\epsilon_r = 47.2$; $\rho = 1000$ kg/m³
- Electronics: DAE3 Sn442; Probe: EX3DV4 - SN3563; ConvF(3.36, 3.36, 3.36)
- Phantom: Flat Phantom 10.1; Serial: P 10.1; Phantom section: Flat 2.2 Section

Channel 100 Test/Area Scan (71x121x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 1.63 mW/g

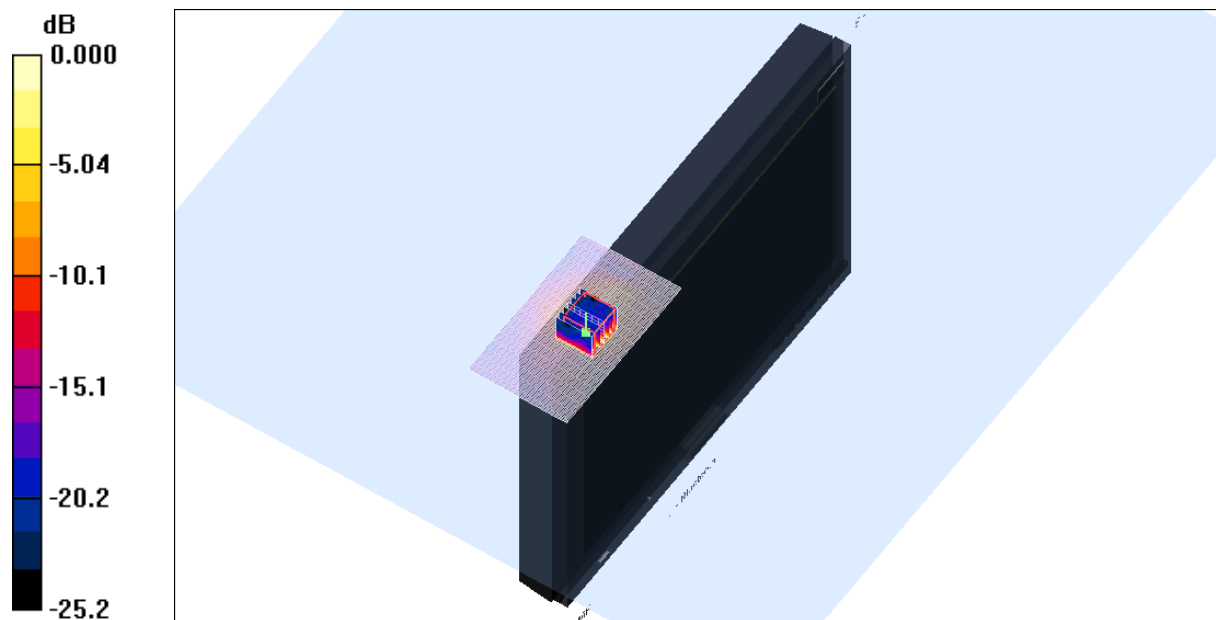
Channel 100 Test/Zoom Scan (7x7x8)/Cube 0: Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm

Reference Value = 19.5 V/m; Power Drift = -0.193 dB

Peak SAR (extrapolated) = 4.96 W/kg

SAR(1 g) = 1.41 mW/g; SAR(10 g) = 0.468 mW/g

Maximum value of SAR (measured) = 2.86 mW/g



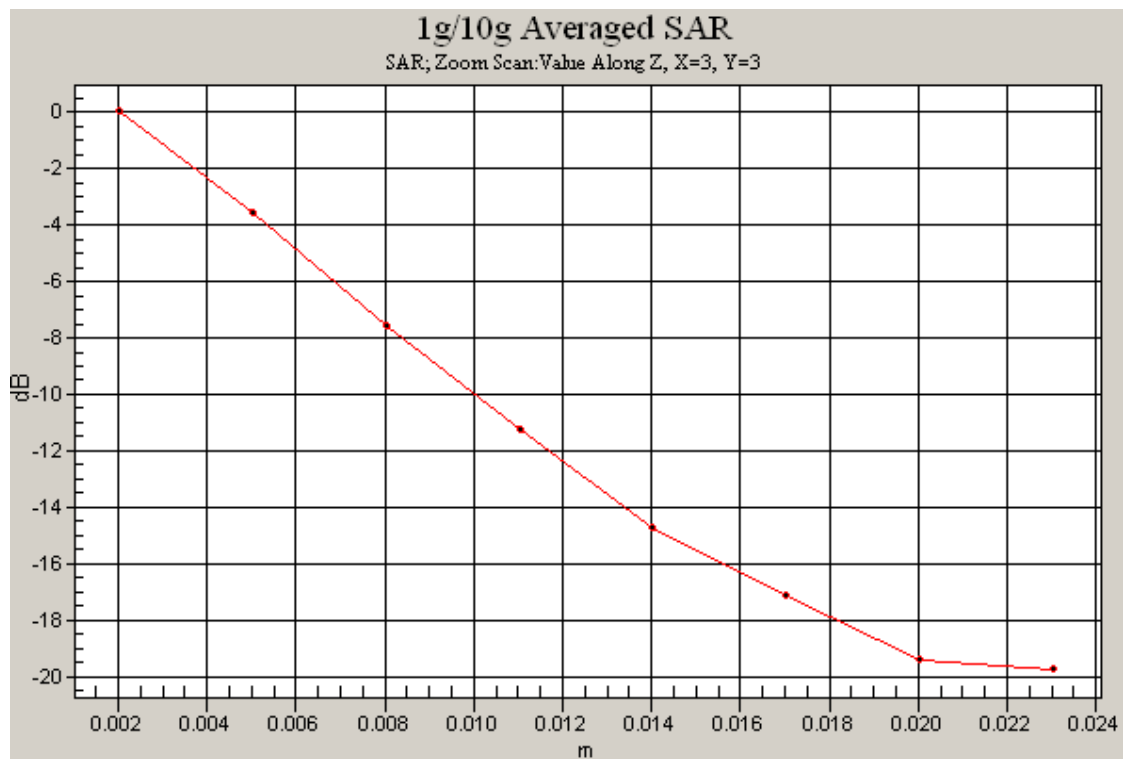
0 dB = 2.86mW/g

SAR MEASUREMENT PLOT 7

Ambient Temperature
Liquid Temperature
Humidity

20.3 Degrees Celsius
20.0 Degrees Celsius
42.0 %





Test Date: 19 August 2009

File Name: M090734 Secondary Landscape OFDM 5.6 GHz WiFi Antenna A (1) 19-08-09.da4

DUT: **Fujitsu Tablet Chaldea with SP 11abgn; Type: 512AN_HMW; Serial: MAC: 022FB69A302**

- * Communication System: OFDM 5600 MHz; Frequency: 5600 MHz; Duty Cycle: 1:1
- * Medium parameters used: $f = 5596.4$ MHz; $\sigma = 6.09$ mho/m; $\epsilon_r = 46.8$; $\rho = 1000$ kg/m³
- Electronics: DAE3 Sn442; Probe: EX3DV4 - SN3563; ConvF(3.36, 3.36, 3.36)
- Phantom: Flat Phantom 10.1; Serial: P 10.1; Phantom section: Flat 2.2 Section

Channel 120 Test/Area Scan (71x121x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 1.69 mW/g

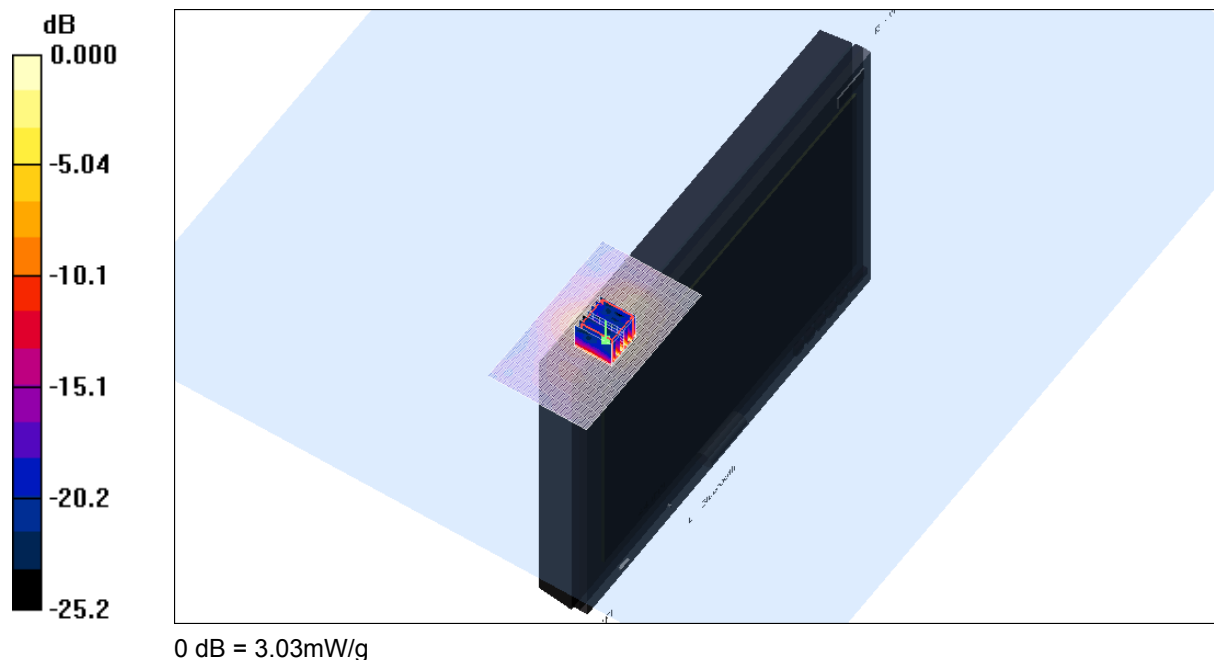
Channel 120 Test/Zoom Scan (7x7x8)/Cube 0: Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm

Reference Value = 21.2 V/m; Power Drift = -0.179 dB

Peak SAR (extrapolated) = 5.41 W/kg

SAR(1 g) = 1.49 mW/g; SAR(10 g) = 0.491 mW/g

Maximum value of SAR (measured) = 3.03 mW/g

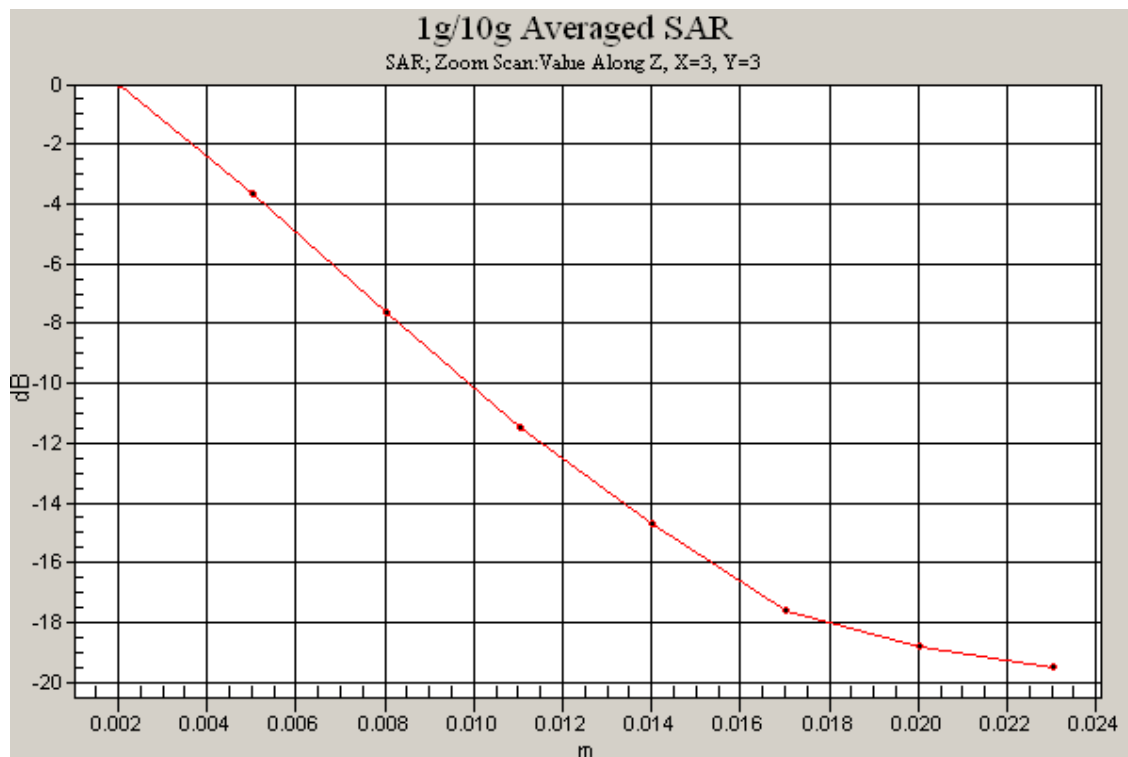


SAR MEASUREMENT PLOT 8

Ambient Temperature
Liquid Temperature
Humidity

20.3 Degrees Celsius
20.0 Degrees Celsius
42.0 %





Test Date: 19 August 2009

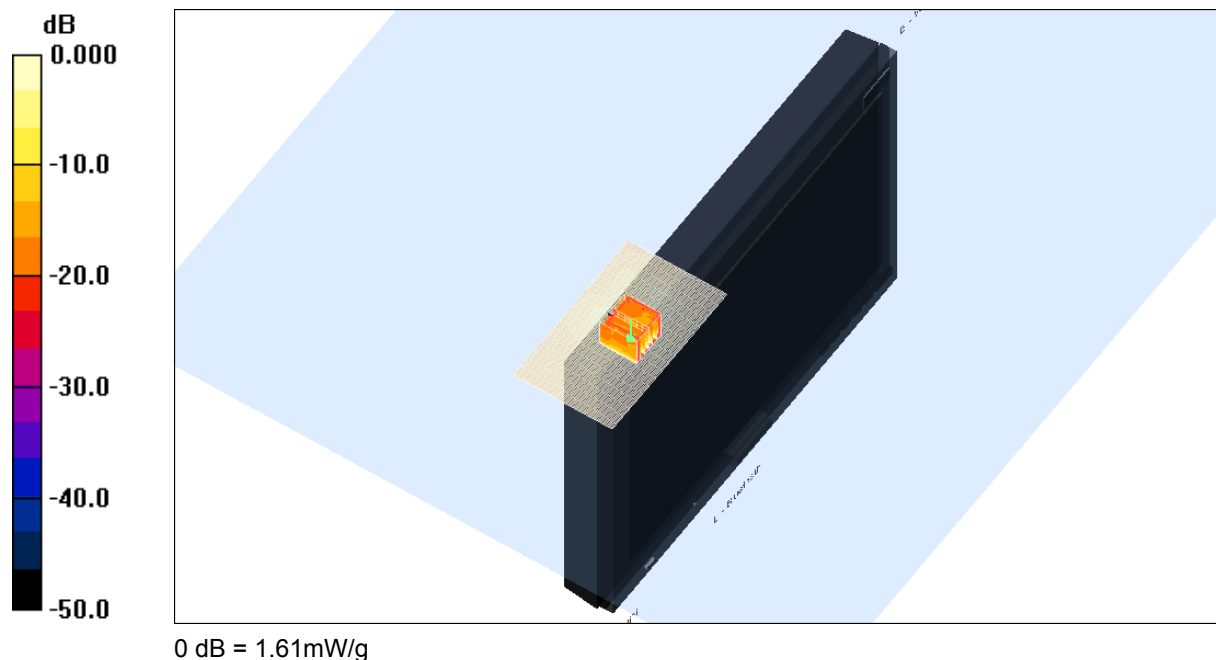
File Name: M090734 Secondary Landscape OFDM 5.6 GHz WiFi Antenna A (1) 19-08-09.da4

DUT: **Fujitsu Tablet Chaldea with SP 11abgn; Type: 512AN_HMW; Serial: MAC: 022FB69A302**

- * Communication System: OFDM 5600 MHz; Frequency: 5700 MHz; Duty Cycle: 1:1
- * Medium parameters used: $f = 5698.6$ MHz; $\sigma = 6.26$ mho/m; $\epsilon_r = 46.4$; $\rho = 1000$ kg/m³
- Electronics: DAE3 Sn442; Probe: EX3DV4 - SN3563; ConvF(3.36, 3.36, 3.36)
- Phantom: Flat Phantom 10.1; Serial: P 10.1; Phantom section: Flat 2.2 Section

Channel 140 Test/Area Scan (71x121x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.972 mW/g

Channel 140 Test/Zoom Scan (7x7x8)/Cube 0: Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm
Reference Value = 14.9 V/m; Power Drift = -0.083 dB
Peak SAR (extrapolated) = 2.89 W/kg
SAR(1 g) = 0.816 mW/g; SAR(10 g) = 0.281 mW/g
Maximum value of SAR (measured) = 1.61 mW/g

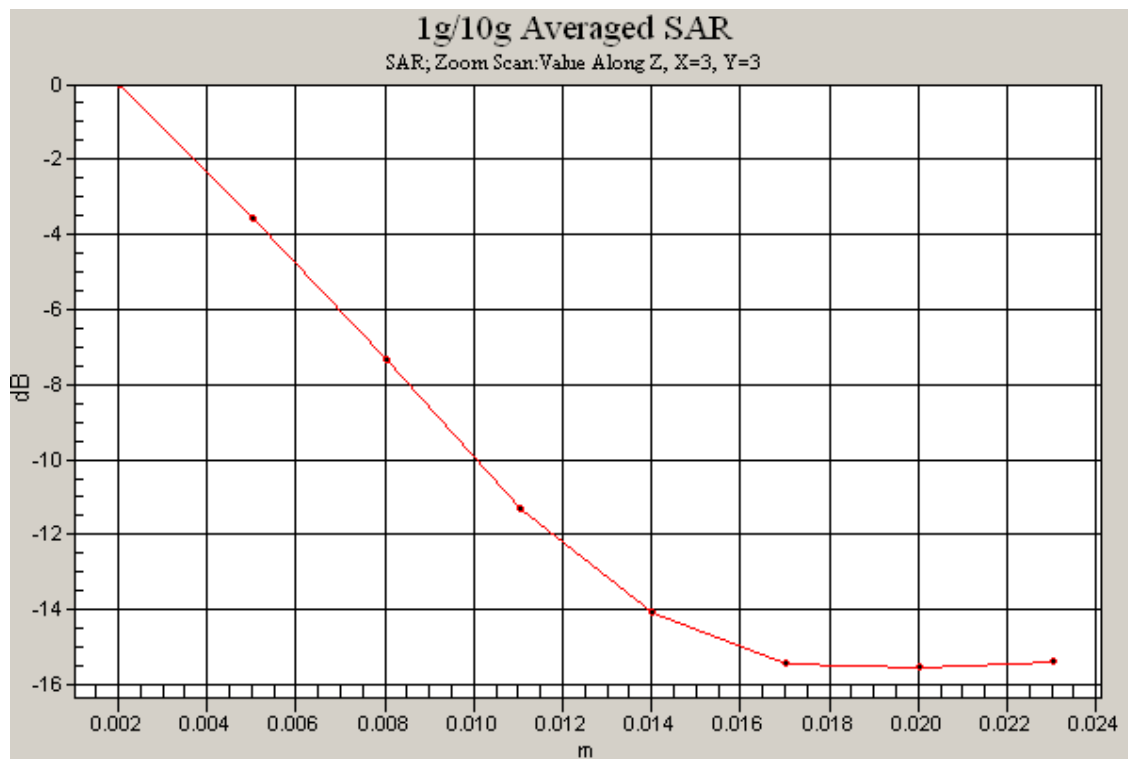


SAR MEASUREMENT PLOT 9

Ambient Temperature
Liquid Temperature
Humidity

20.3 Degrees Celsius
20.0 Degrees Celsius
42.0 %





Test Date: 19 August 2009

File Name: M090734 Secondary Landscape OFDM 5.6 GHz WiFi Antenna A (1) 5.2 Ah Battery 19-08-09.da4

DUT: **Fujitsu Tablet Chaldea with SP 11abgn; Type: 512AN_HMW; Serial: MAC: 022FB69A302**

* Communication System: OFDM 5600 MHz; Frequency: 5600 MHz; Duty Cycle: 1:1

* Medium parameters used: $f = 5596.4$ MHz; $\sigma = 6.09$ mho/m; $\epsilon_r = 46.8$; $\rho = 1000$ kg/m³

- Electronics: DAE3 Sn442; Probe: EX3DV4 - SN3563; ConvF(3.36, 3.36, 3.36)

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

Channel 120 Test/Area Scan (71x121x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 1.69 mW/g

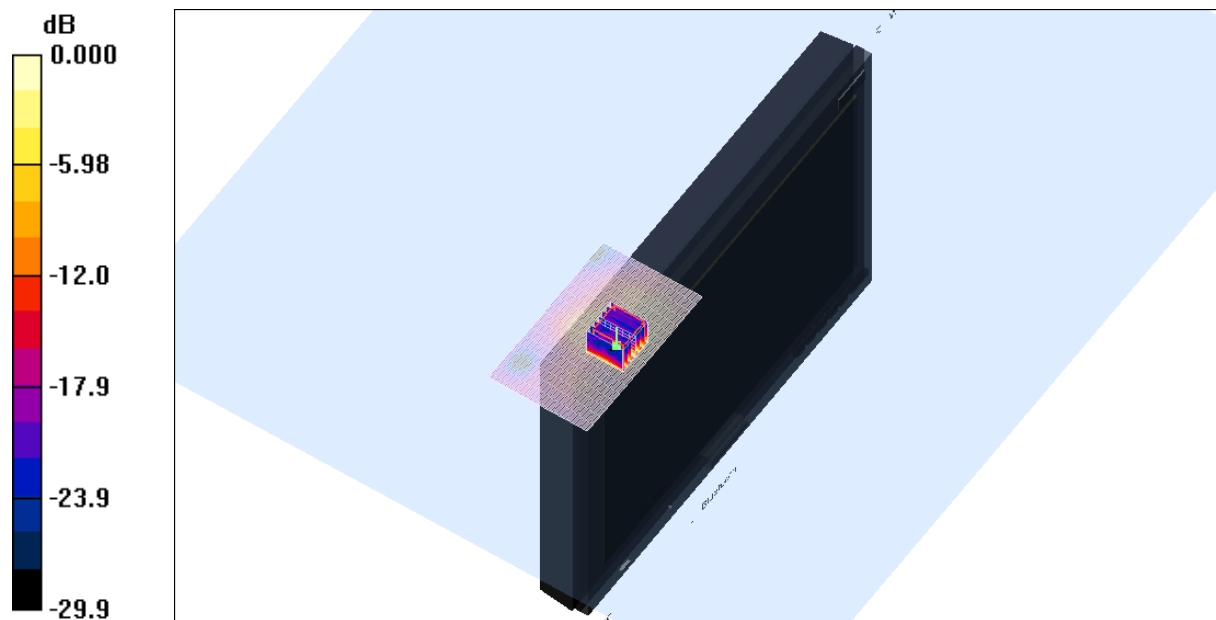
Channel 120 Test/Zoom Scan (7x7x8)/Cube 0: Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm

Reference Value = 17.4 V/m; Power Drift = -0.014 dB

Peak SAR (extrapolated) = 4.75 W/kg

SAR(1 g) = 1.36 mW/g; SAR(10 g) = 0.465 mW/g

Maximum value of SAR (measured) = 2.70 mW/g



0 dB = 2.70mW/g

SAR MEASUREMENT PLOT 10

Ambient Temperature

20.3 Degrees Celsius

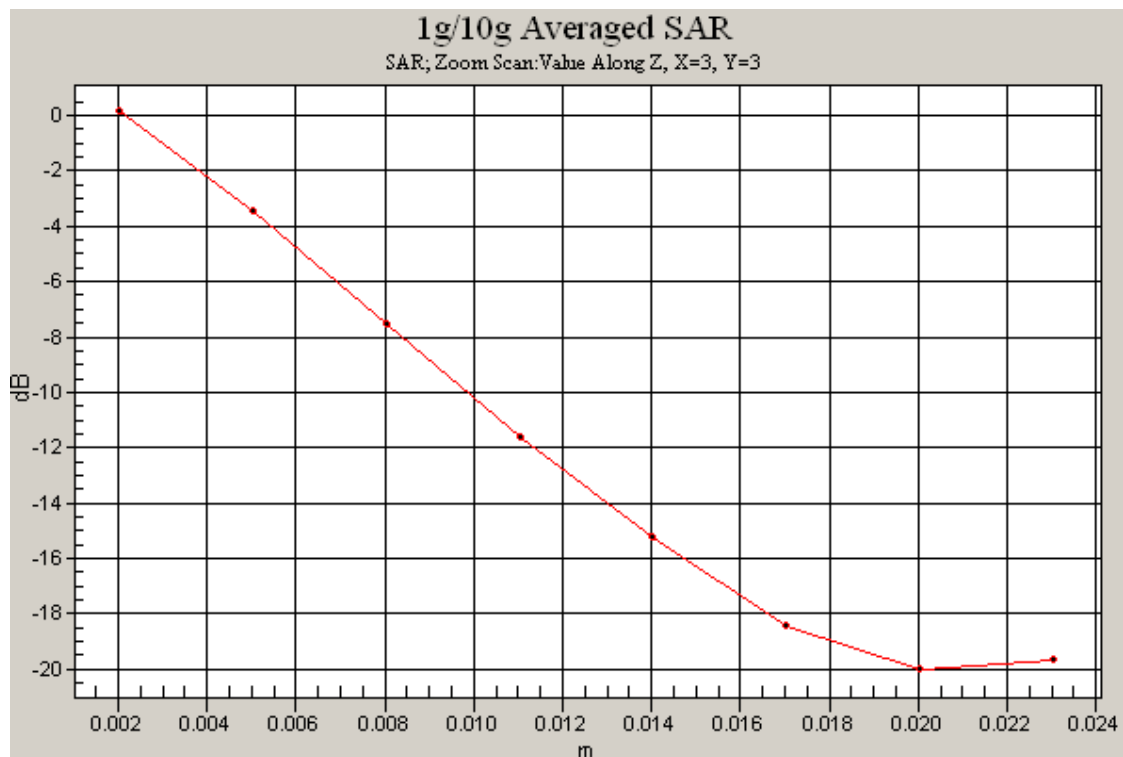
Liquid Temperature

20.0 Degrees Celsius

Humidity

42.0 %





Test Date: 19 August 2009

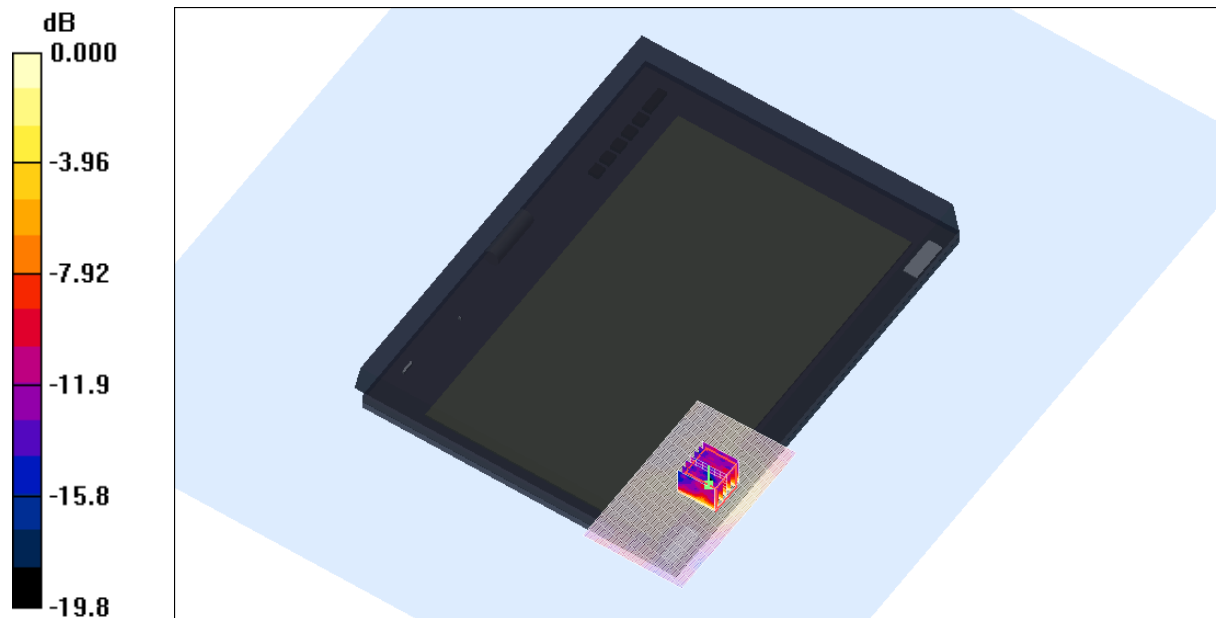
File Name: M090734 Tablet OFDM 5.6 GHz WiFi Antenna A (1) 19-08-09.da4

DUT: Fujitsu Tablet Chaldea with SP 11abgn; Type: 512AN_HMW; Serial: MAC: 022FB69A302

- * Communication System: OFDM 5600 MHz; Frequency: 5600 MHz; Duty Cycle: 1:1
- * Medium parameters used: $f = 5596.4$ MHz; $\sigma = 6.09$ mho/m; $\epsilon_r = 46.8$; $\rho = 1000$ kg/m³
- Electronics: DAE3 Sn442; Probe: EX3DV4 - SN3563; ConvF(3.36, 3.36, 3.36)
- Phantom: Flat Phantom 10.1; Serial: P 10.1; Phantom section: Flat 2.2 Section

Channel 120 Test/Area Scan (71x121x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.243 mW/g

Channel 120 Test/Zoom Scan (7x7x8)/Cube 0: Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm
Reference Value = 4.43 V/m; Power Drift = -0.262 dB
Peak SAR (extrapolated) = 0.729 W/kg
SAR(1 g) = 0.217 mW/g; SAR(10 g) = 0.099 mW/g
Maximum value of SAR (measured) = 0.406 mW/g

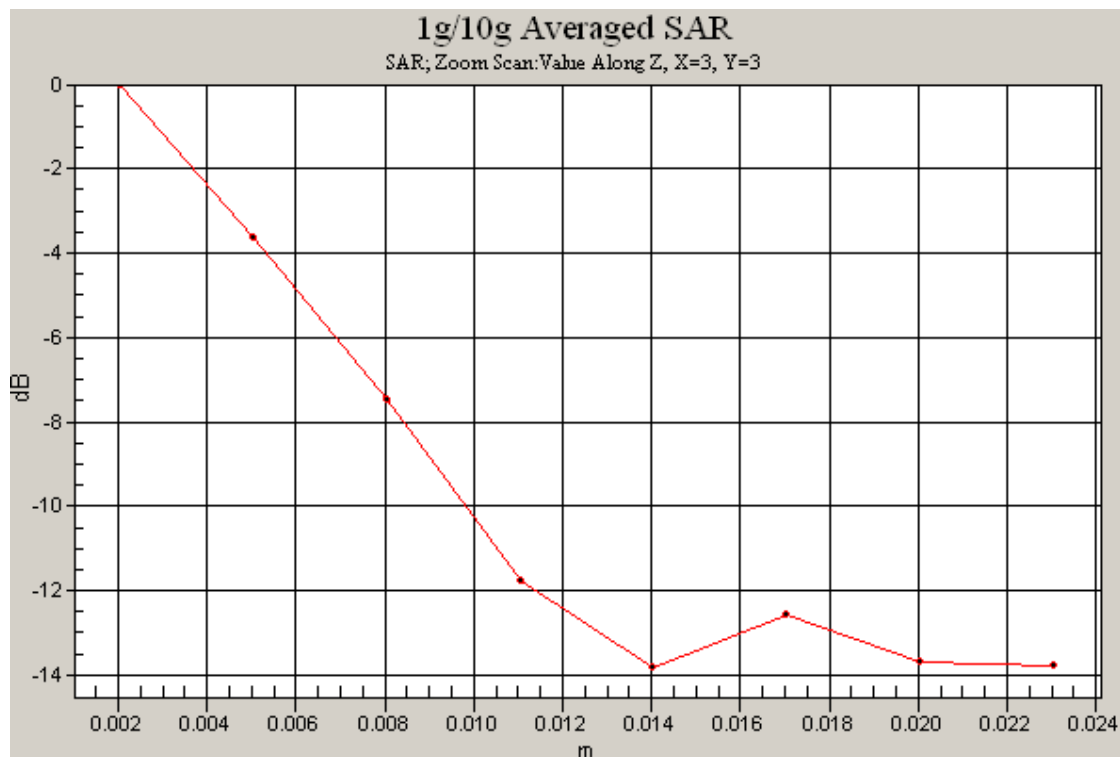


SAR MEASUREMENT PLOT 11

Ambient Temperature
Liquid Temperature
Humidity

20.3 Degrees Celsius
20.0 Degrees Celsius
42.0 %





Test Date: 19 August 2009

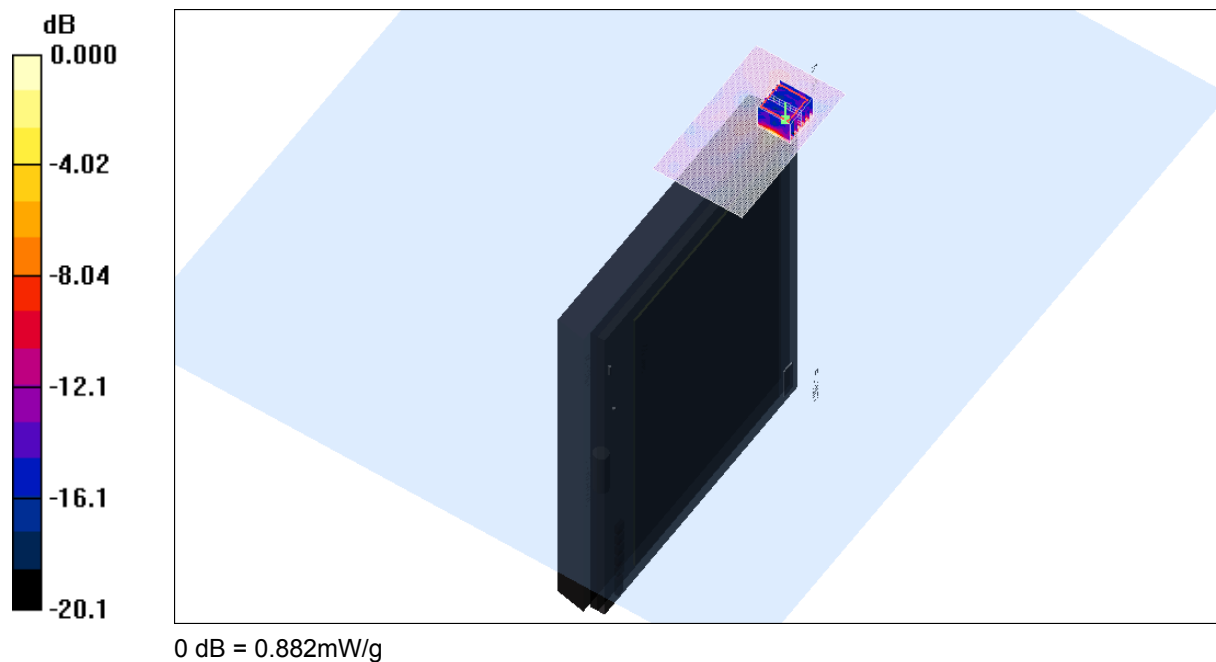
File Name: M090734 Primary Portrait OFDM 5.8 GHz WiFi Antenna A (1) 19-08-09.da4

DUT: Fujitsu Tablet Chaldea with SP 11abgn; Type: 512AN_HMW; Serial: MAC: 022FB69A302

- * Communication System: OFDM 5770 MHz; Frequency: 5785 MHz; Duty Cycle: 1:1
- * Medium parameters used: $f = 5786.2$ MHz; $\sigma = 6.47$ mho/m; $\epsilon_r = 46.1$; $\rho = 1000$ kg/m³
- Electronics: DAE3 Sn442; Probe: EX3DV4 - SN3563; ConvF(3.26, 3.26, 3.26)
- Phantom: Flat Phantom 10.1; Serial: P 10.1; Phantom section: Flat 2.2 Section

Channel 157 Test/Area Scan (71x121x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.485 mW/g

Channel 157 Test/Zoom Scan (7x7x8)/Cube 0: Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm
Reference Value = 9.93 V/m; Power Drift = -0.299 dB
Peak SAR (extrapolated) = 1.74 W/kg
SAR(1 g) = 0.411 mW/g; SAR(10 g) = 0.139 mW/g
Maximum value of SAR (measured) = 0.882 mW/g

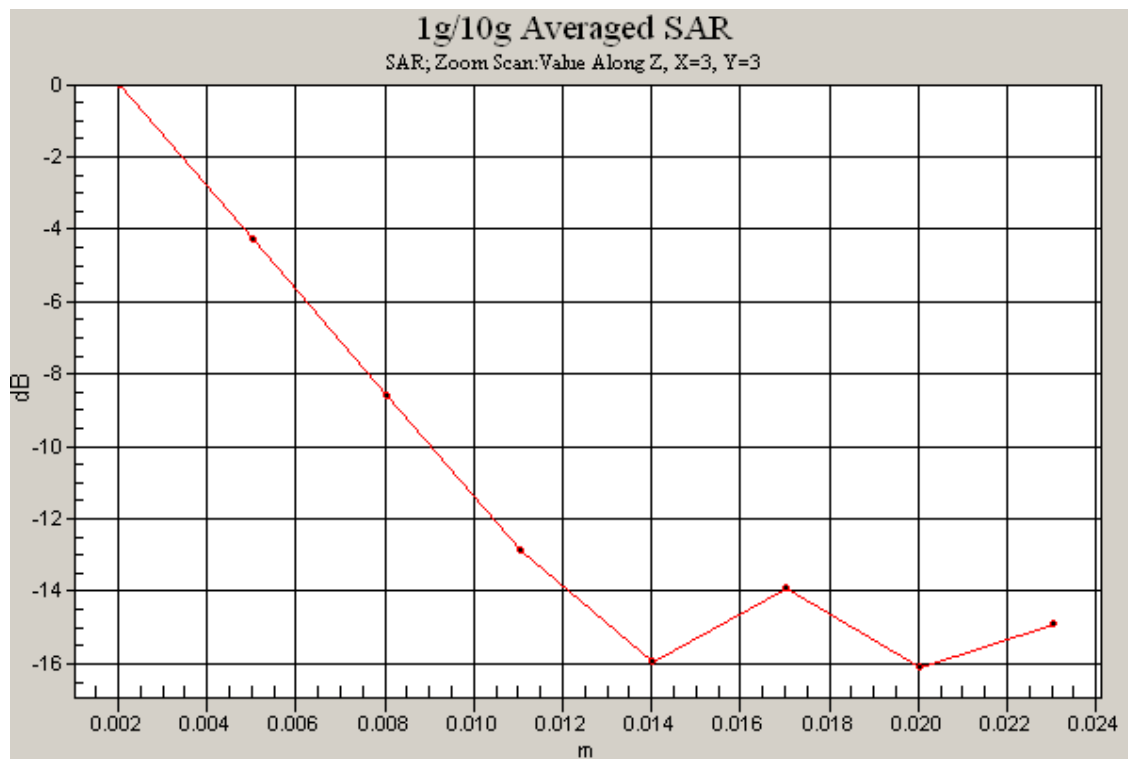


SAR MEASUREMENT PLOT 12

Ambient Temperature
Liquid Temperature
Humidity

20.3 Degrees Celsius
20.0 Degrees Celsius
42.0 %





Test Date: 31 July 2009

File Name: M090734 Primary Portrait HT0 20MHz 5.8 GHz WiFi Antenna A (1) 31-07-09.da4

DUT: Fujitsu Tablet Chaldea with SP 11abgn; Type: 512AN_HMW; Serial: MAC: 022FB69A302

- * Communication System: OFDM 5770 MHz; Frequency: 5785 MHz; Duty Cycle: 1:1
- * Medium parameters used: $f = 5785$ MHz; $\sigma = 6.45$ mho/m; $\epsilon_r = 46.3$; $\rho = 1000$ kg/m³
- Electronics: DAE3 Sn442; Probe: EX3DV4 - SN3563; ConvF(3.26, 3.26, 3.26)
- Phantom: Flat Phantom 10.1; Serial: P 10.1; Phantom section: Flat 2.2 Section

Channel 157 Test/Area Scan (71x121x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.283 mW/g

Channel 157 Test/Zoom Scan (7x7x8)/Cube 0: Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm

Reference Value = 7.60 V/m; Power Drift = -0.205 dB

Peak SAR (extrapolated) = 0.930 W/kg

SAR(1 g) = 0.246 mW/g; SAR(10 g) = 0.072 mW/g

Maximum value of SAR (measured) = 0.534 mW/g



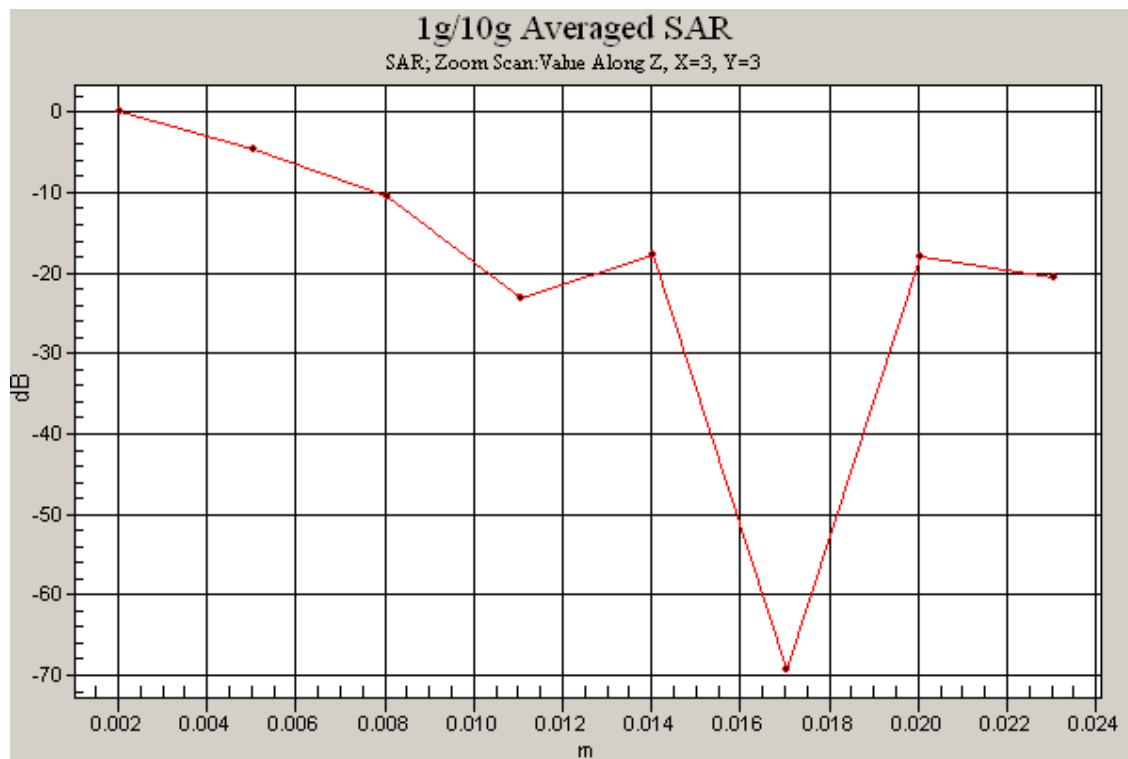
0 dB = 0.534mW/g

SAR MEASUREMENT PLOT 13

Ambient Temperature
Liquid Temperature
Humidity

20.3 Degrees Celsius
20.0 Degrees Celsius
43.0 %





Test Date: 19 August 2009

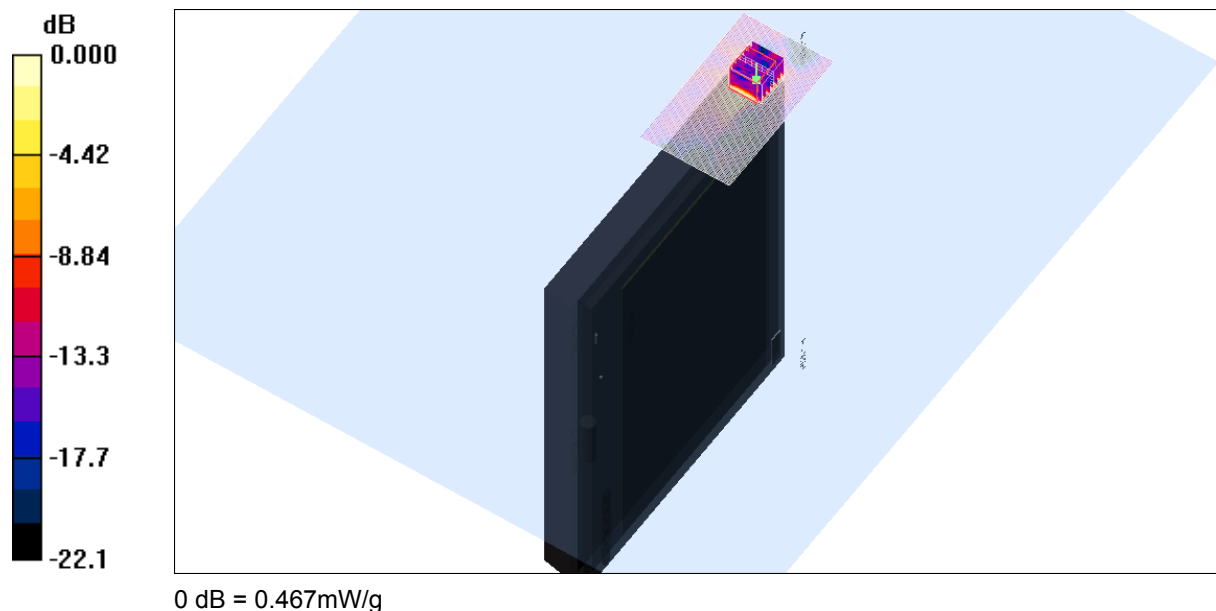
File Name: M090734 Primary Portrait HT0 40MHz 5.8 GHz WiFi Antenna A (1) 31-07-09.da4

DUT: Fujitsu Tablet Chaldea with SP 11abgn; Type: 512AN_HMW; Serial: MAC: 022FB69A302

- * Communication System: OFDM 5770 MHz; Frequency: 5795 MHz; Duty Cycle: 1:1
- * Medium parameters used: $f = 5795.8$ MHz; $\sigma = 6.47$ mho/m; $\epsilon_r = 46.3$; $\rho = 1000$ kg/m³
- Electronics: DAE3 Sn442; Probe: EX3DV4 - SN3563; ConvF(3.26, 3.26, 3.26)
- Phantom: Flat Phantom 10.1; Serial: P 10.1; Phantom section: Flat 2.2 Section

Channel 159 Test/Area Scan (71x121x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.265 mW/g

Channel 159 Test/Zoom Scan (7x7x8)/Cube 0: Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm
Reference Value = 6.99 V/m; Power Drift = -0.135 dB
Peak SAR (extrapolated) = 0.868 W/kg
SAR(1 g) = 0.230 mW/g; SAR(10 g) = 0.082 mW/g
Maximum value of SAR (measured) = 0.467 mW/g



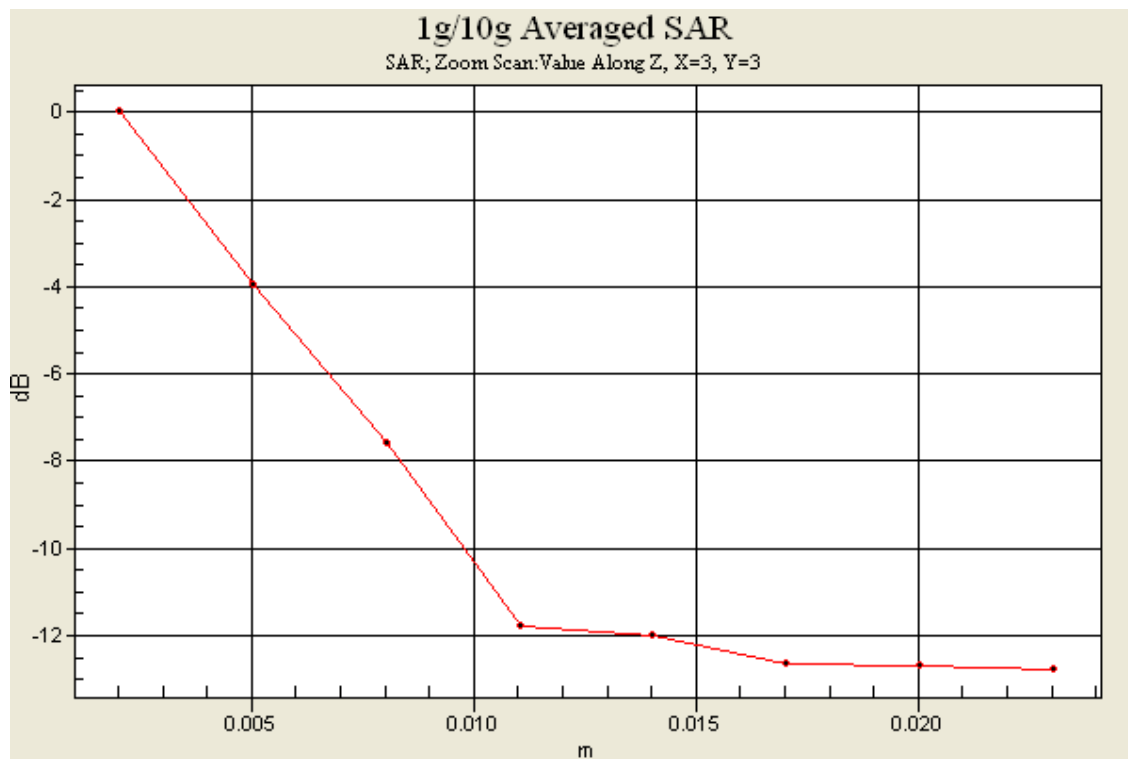
SAR MEASUREMENT PLOT 14

Ambient Temperature
Liquid Temperature
Humidity

20.3 Degrees Celsius
20.0 Degrees Celsius
42.0 %



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Test Date: 19 August 2009

File Name: M090734 Secondary Landscape OFDM 5.8 GHz WiFi Antenna A (1) 19-08-09.da4

DUT: Fujitsu Tablet Chaldea with SP 11abgn; Type: 512AN_HMW; Serial: MAC: 022FB69A302

- * Communication System: OFDM 5770 MHz; Frequency: 5745 MHz; Duty Cycle: 1:1
- * Medium parameters used: $f = 5742.4$ MHz; $\sigma = 6.38$ mho/m; $\epsilon_r = 46.2$; $\rho = 1000$ kg/m³
- Electronics: DAE3 Sn442; Probe: EX3DV4 - SN3563; ConvF(3.26, 3.26, 3.26)
- Phantom: Flat Phantom 10.1; Serial: P 10.1; Phantom section: Flat 2.2 Section

Channel 149 Test/Area Scan (71x121x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 1.20 mW/g

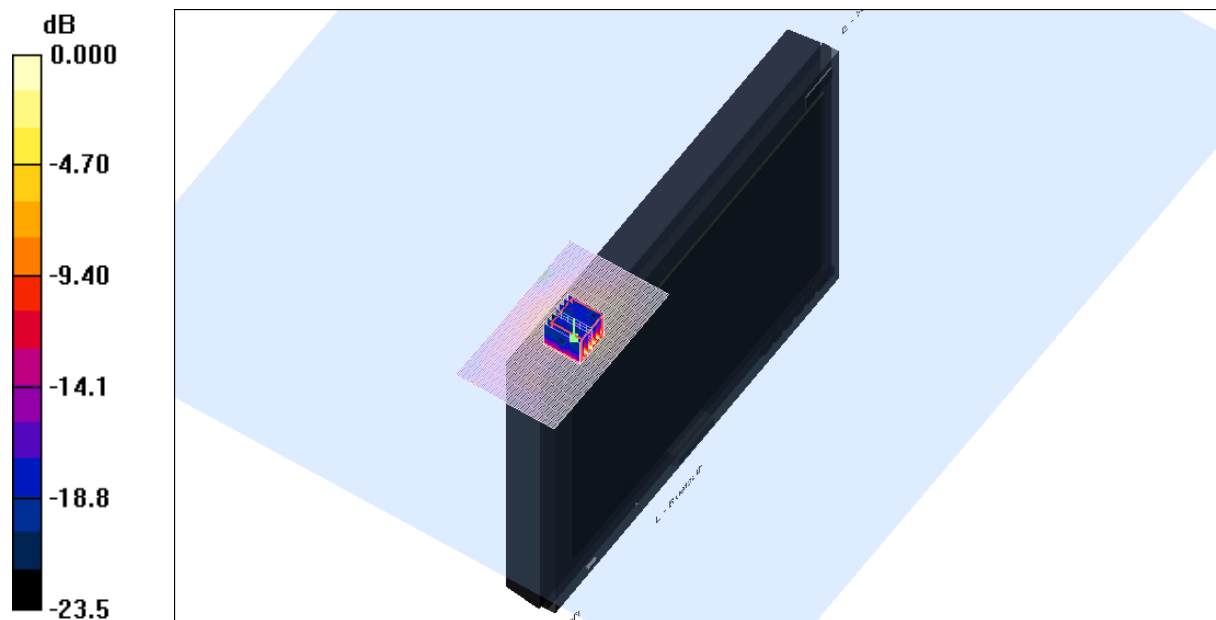
Channel 149 Test/Zoom Scan (7x7x8)/Cube 0: Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm

Reference Value = 16.2 V/m; Power Drift = -0.209 dB

Peak SAR (extrapolated) = 3.75 W/kg

SAR(1 g) = 1.06 mW/g; SAR(10 g) = 0.358 mW/g

Maximum value of SAR (measured) = 2.11 mW/g



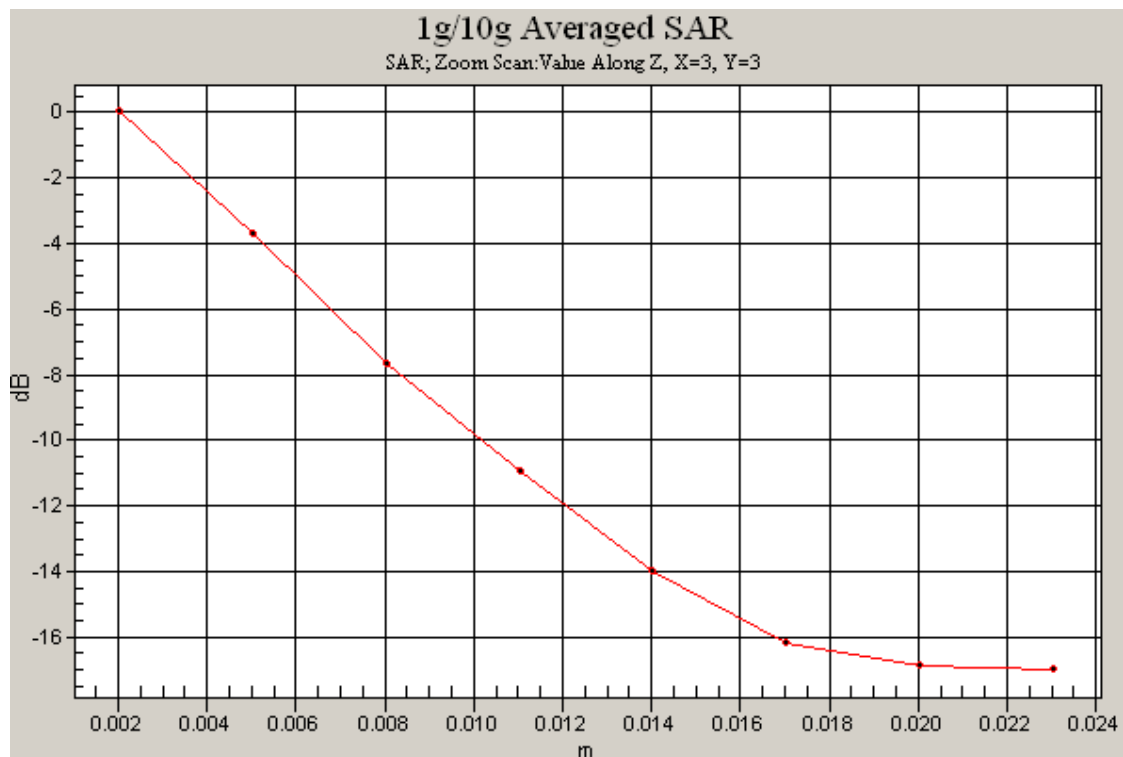
0 dB = 2.11mW/g

SAR MEASUREMENT PLOT 15

Ambient Temperature
Liquid Temperature
Humidity

20.3 Degrees Celsius
20.0 Degrees Celsius
42.0 %





Test Date: 19 August 2009

File Name: M090734 Secondary Landscape OFDM 5.8 GHz WiFi Antenna A (1) 19-08-09.da4

DUT: Fujitsu Tablet Chaldea with SP 11abgn; Type: 512AN_HMW; Serial: MAC: 022FB69A302

- * Communication System: OFDM 5770 MHz; Frequency: 5785 MHz; Duty Cycle: 1:1
- * Medium parameters used: $f = 5786.2$ MHz; $\sigma = 6.47$ mho/m; $\epsilon_r = 46.1$; $\rho = 1000$ kg/m³
- Electronics: DAE3 Sn442; Probe: EX3DV4 - SN3563; ConvF(3.26, 3.26, 3.26)
- Phantom: Flat Phantom 10.1; Serial: P 10.1; Phantom section: Flat 2.2 Section

Channel 157 Test/Area Scan (71x121x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 1.23 mW/g

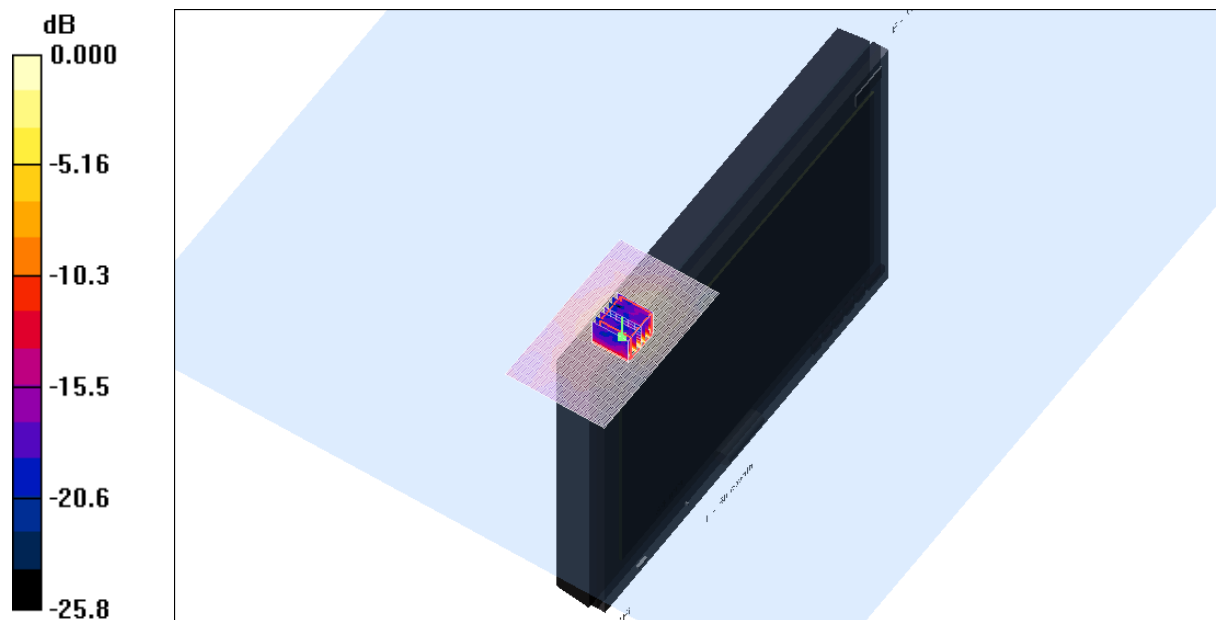
Channel 157 Test/Zoom Scan (7x7x8)/Cube 0: Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm

Reference Value = 15.3 V/m; Power Drift = -0.125 dB

Peak SAR (extrapolated) = 3.77 W/kg

SAR(1 g) = 1.05 mW/g; SAR(10 g) = 0.346 mW/g

Maximum value of SAR (measured) = 2.12 mW/g



0 dB = 2.12mW/g

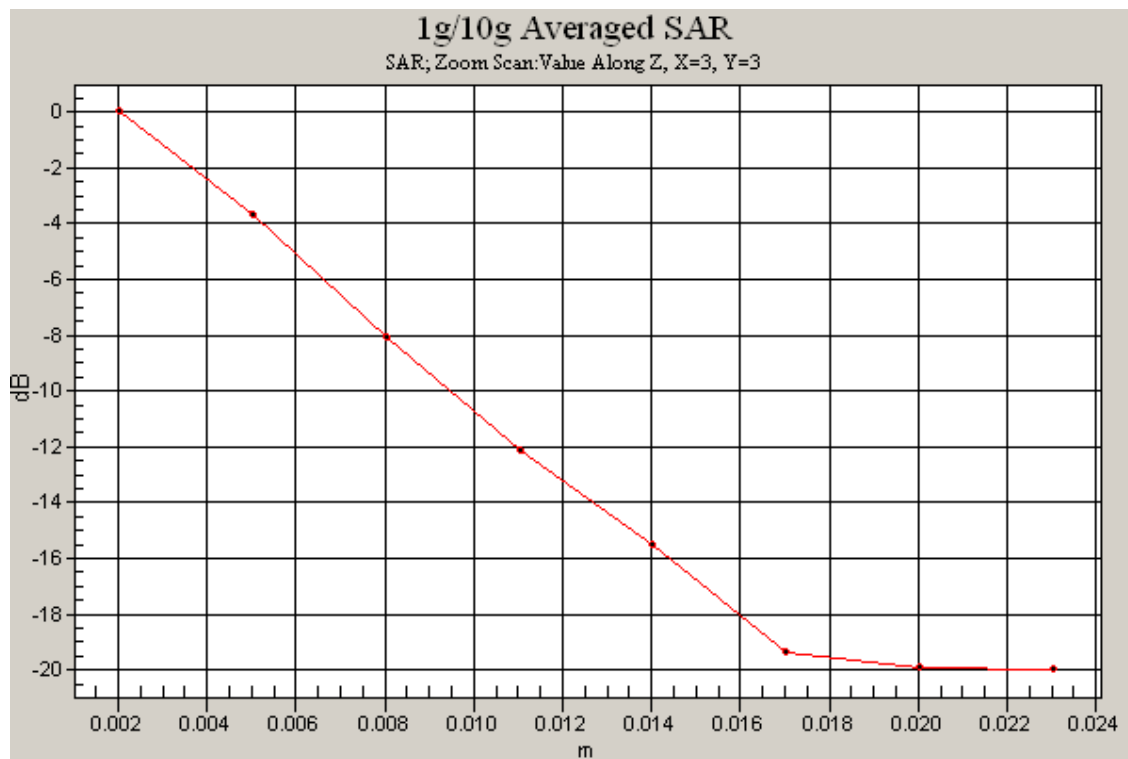
SAR MEASUREMENT PLOT 16

Ambient Temperature
Liquid Temperature
Humidity

20.3 Degrees Celsius
20.0 Degrees Celsius
42.0 %



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Test Date: 19 August 2009

File Name: M090734 Secondary Landscape OFDM 5.8 GHz WiFi Antenna A (1) 19-08-09.da4

DUT: Fujitsu Tablet Chaldea with SP 11abgn; Type: 512AN_HMW; Serial: MAC: 022FB69A302

- * Communication System: OFDM 5770 MHz; Frequency: 5825 MHz; Duty Cycle: 1:1
- * Medium parameters used: $f = 5830$ MHz; $\sigma = 6.51$ mho/m; $\epsilon_r = 45.9$; $\rho = 1000$ kg/m³
- Electronics: DAE3 Sn442; Probe: EX3DV4 - SN3563; ConvF(3.26, 3.26, 3.26)
- Phantom: Flat Phantom 10.1; Serial: P 10.1; Phantom section: Flat 2.2 Section

Channel 165 Test/Area Scan (71x121x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.972 mW/g

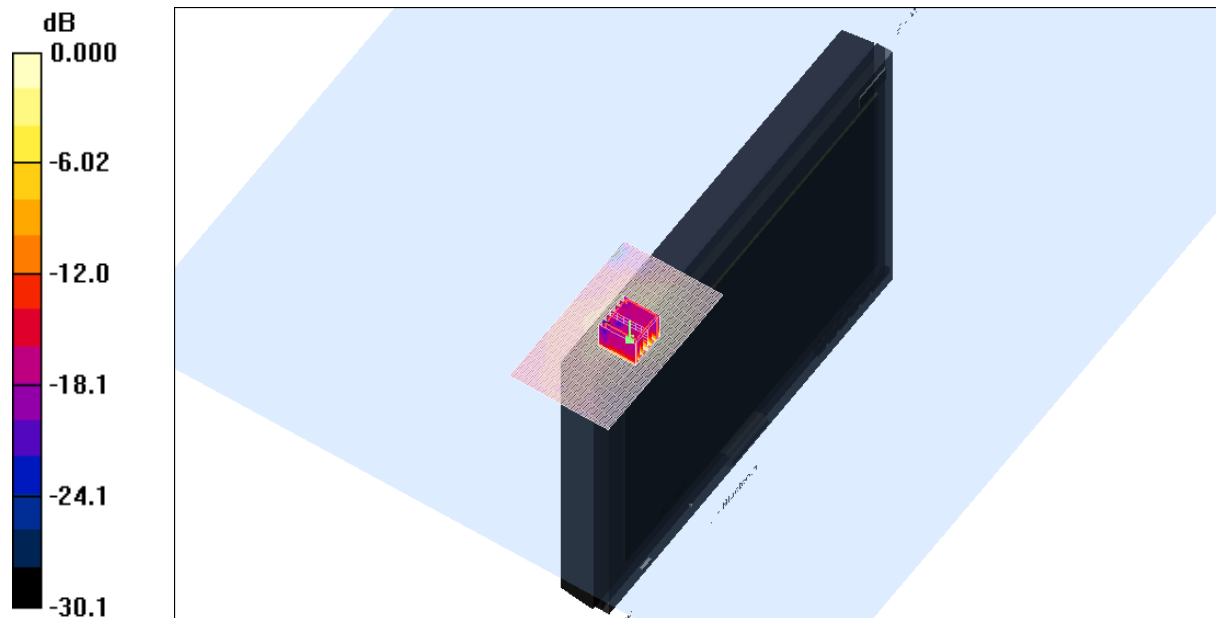
Channel 165 Test/Zoom Scan (7x7x8)/Cube 0: Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm

Reference Value = 14.6 V/m; Power Drift = 0.039 dB

Peak SAR (extrapolated) = 3.25 W/kg

SAR(1 g) = 0.882 mW/g; SAR(10 g) = 0.297 mW/g

Maximum value of SAR (measured) = 1.82 mW/g



0 dB = 1.82mW/g

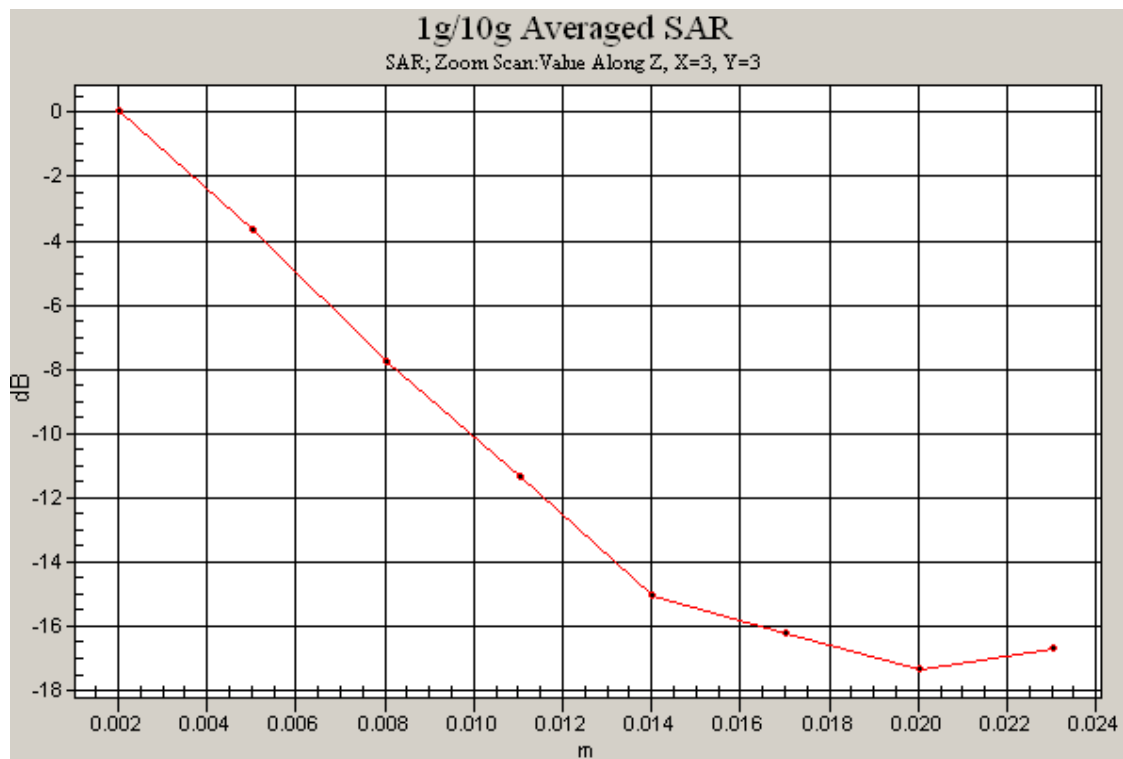
SAR MEASUREMENT PLOT 17

Ambient Temperature
Liquid Temperature
Humidity

20.3 Degrees Celsius
20.0 Degrees Celsius
42.0 %



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Test Date: 19 August 2009

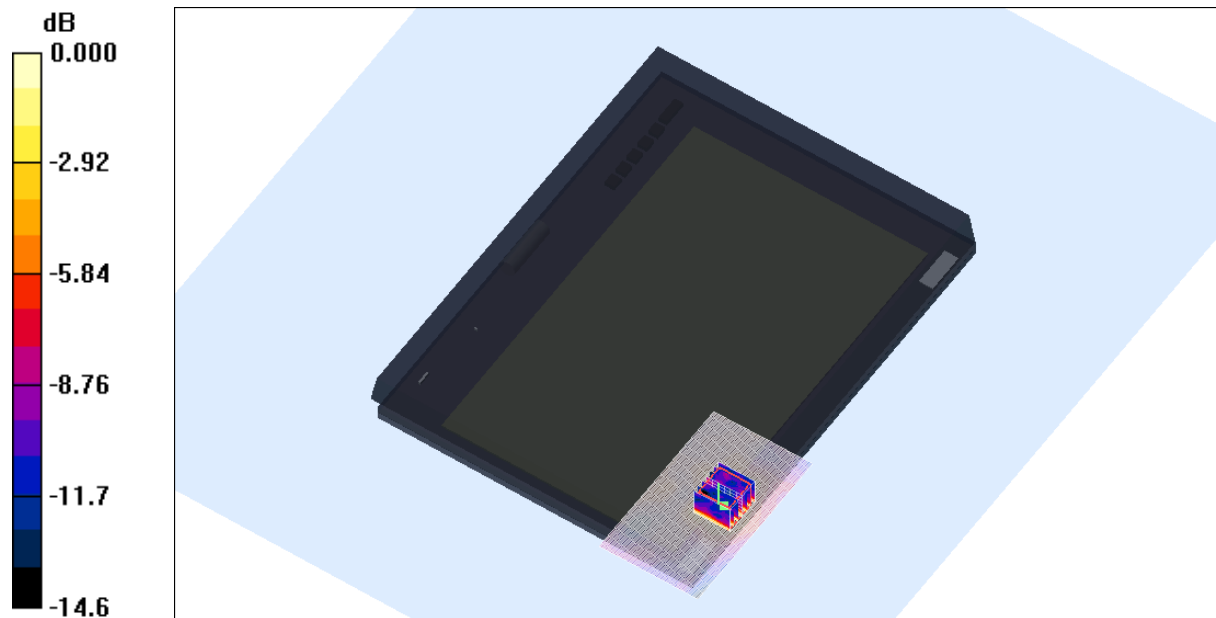
File Name: M090734 Tablet OFDM 5.8 GHz WiFi Antenna A (1) 19-08-09.da4

DUT: Fujitsu Tablet Chaldea with SP 11abgn; Type: 512AN_HMW; Serial: MAC: 022FB69A302

- * Communication System: OFDM 5770 MHz; Frequency: 5785 MHz; Duty Cycle: 1:1
- * Medium parameters used: $f = 5786.2$ MHz; $\sigma = 6.47$ mho/m; $\epsilon_r = 46.1$; $\rho = 1000$ kg/m³
- Electronics: DAE3 Sn442; Probe: EX3DV4 - SN3563; ConvF(3.26, 3.26, 3.26)
- Phantom: Flat Phantom 10.1; Serial: P 10.1; Phantom section: Flat 2.2 Section

Channel 157 Test/Area Scan (71x121x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.237 mW/g

Channel 157 Test/Zoom Scan (7x7x8)/Cube 0: Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm
Reference Value = 7.20 V/m; Power Drift = 0.077 dB
Peak SAR (extrapolated) = 0.713 W/kg
SAR(1 g) = 0.204 mW/g; SAR(10 g) = 0.099 mW/g
Maximum value of SAR (measured) = 0.363 mW/g



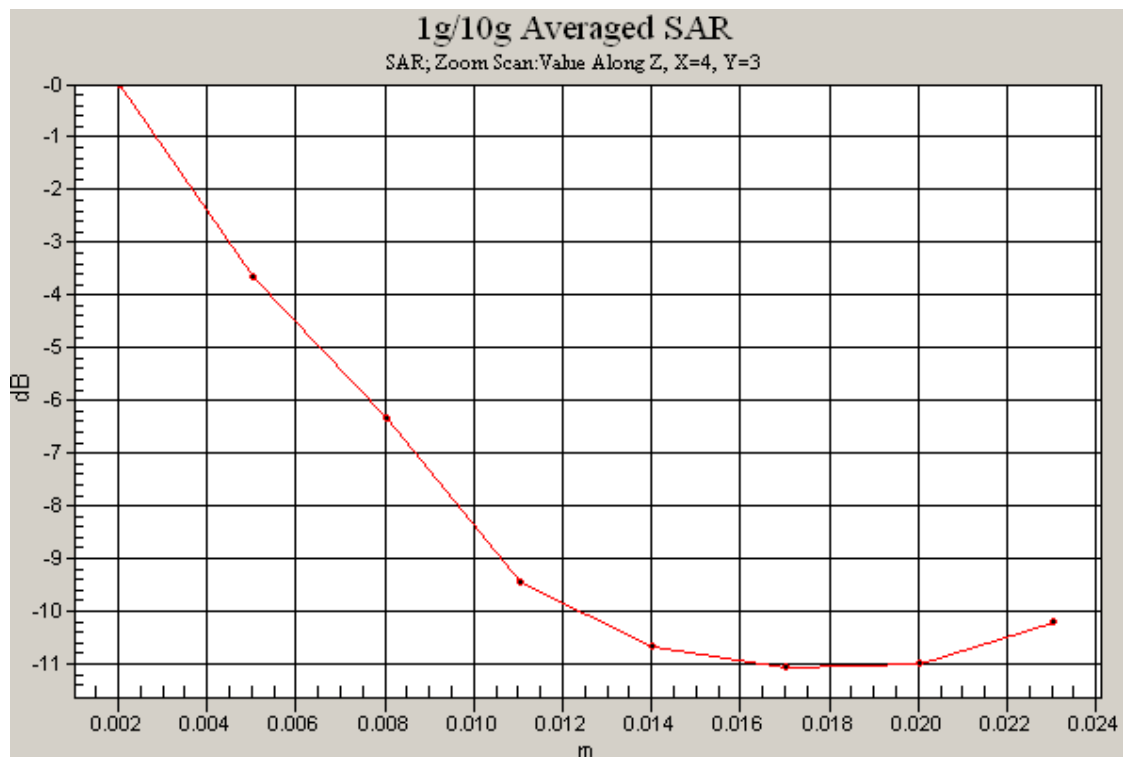
SAR MEASUREMENT PLOT 18

Ambient Temperature
Liquid Temperature
Humidity

20.3 Degrees Celsius
20.0 Degrees Celsius
42.0 %



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Test Date: 31 July 2009

File Name: Validation 5800MHz (DAE 442 Probe EX3DV4) 31-07-09.da4

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

* Communication System: CW 5800 MHz; Frequency: 5800 MHz; Duty Cycle: 1:1

* Medium parameters used: $f = 5799.4$ MHz; $\sigma = 5.47$ mho/m; $\epsilon_r = 35.2$; $\rho = 1000$ kg/m³

- Electronics: DAE3 Sn442; Probe: EX3DV4 - SN3563; ConvF(3.65, 3.65, 3.65)

- 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) = 46.9 mW/g

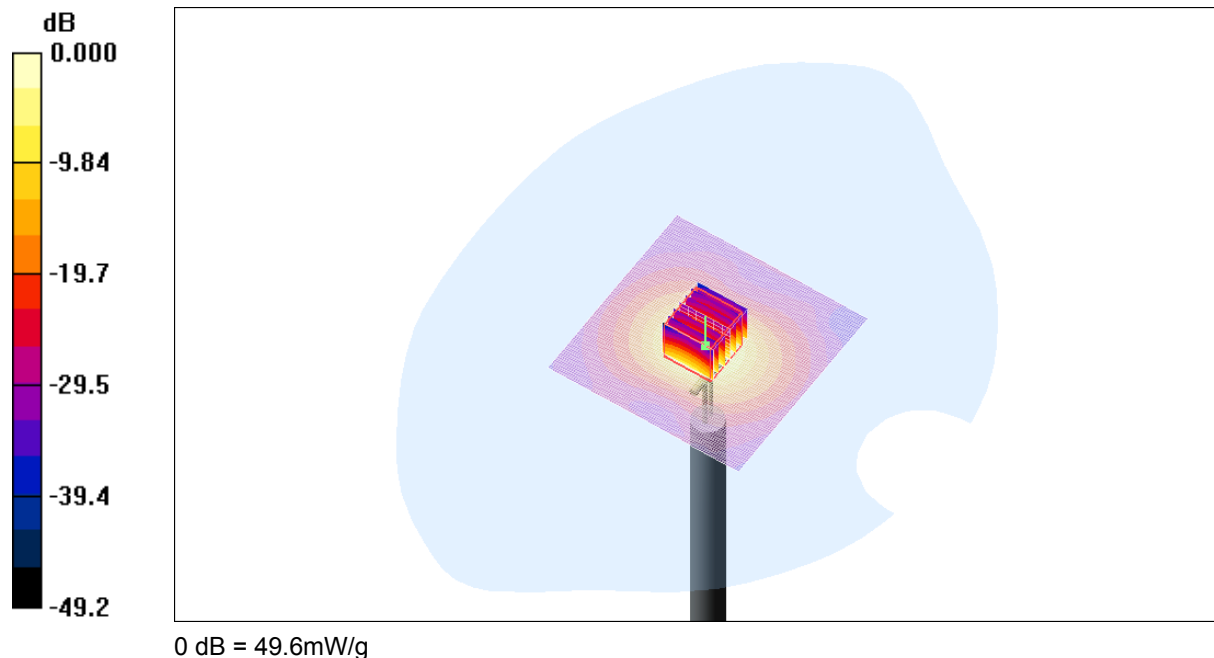
Channel 1 Test/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 99.1 V/m; Power Drift = -0.089 dB

Peak SAR (extrapolated) = 96.8 W/kg

SAR(1 g) = 22.8 mW/g; SAR(10 g) = 6.42 mW/g

Maximum value of SAR (measured) = 49.6 mW/g

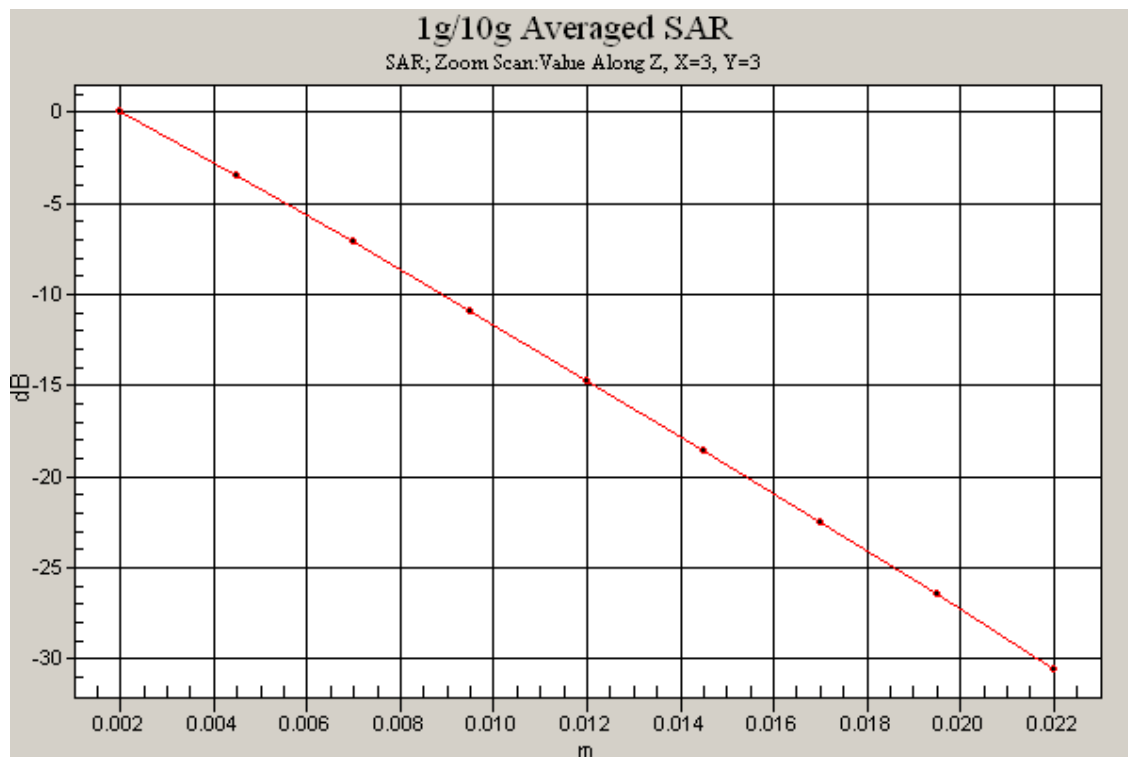


SAR MEASUREMENT PLOT 19

Ambient Temperature
Liquid Temperature
Humidity

20.3 Degrees Celsius
20.0 Degrees Celsius
43.0 %





Test Date: 1 August 2009

File Name: Validation 5200MHz (DAE 442 Probe EX3DV4) 01-08-09.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: $f = 5202$ MHz; $\sigma = 4.88$ mho/m; $\epsilon_r = 37.4$; $\rho = 1000$ kg/m³

- Electronics: DAE3 Sn442; Probe: EX3DV4 - SN3563; ConvF(4.32, 4.32, 4.32)

- 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) = 45.1 mW/g

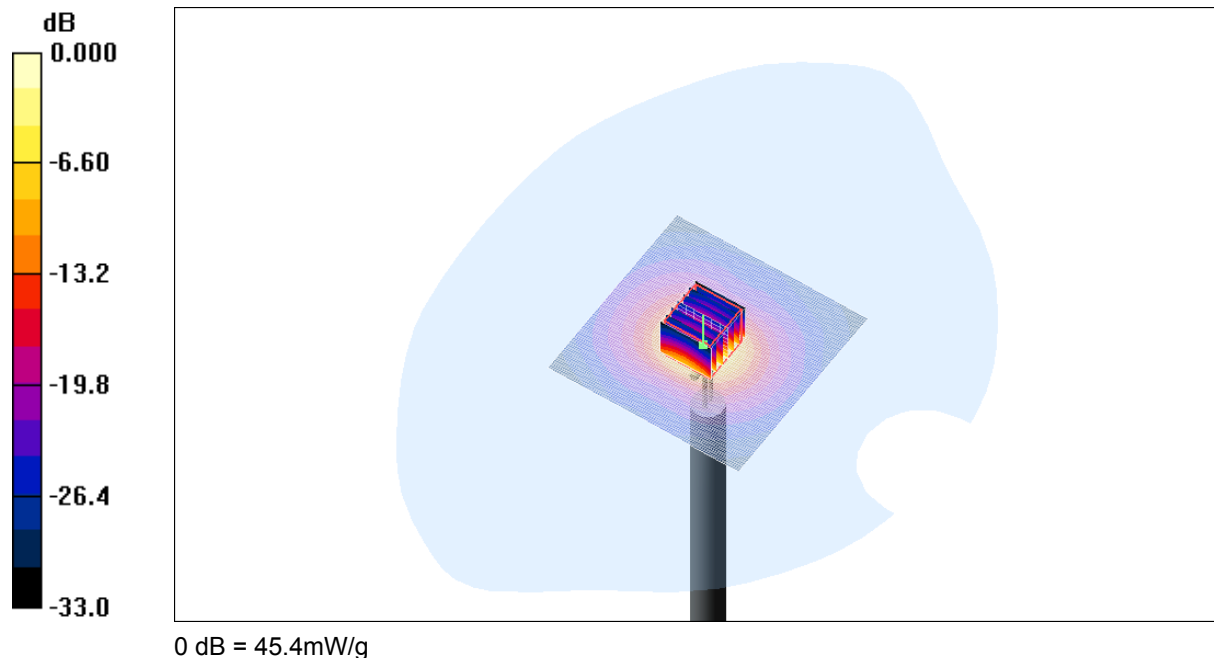
Channel 1 Test/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 100.4 V/m; Power Drift = 0.022 dB

Peak SAR (extrapolated) = 83.2 W/kg

SAR(1 g) = 21.7 mW/g; SAR(10 g) = 6.19 mW/g

Maximum value of SAR (measured) = 45.4 mW/g

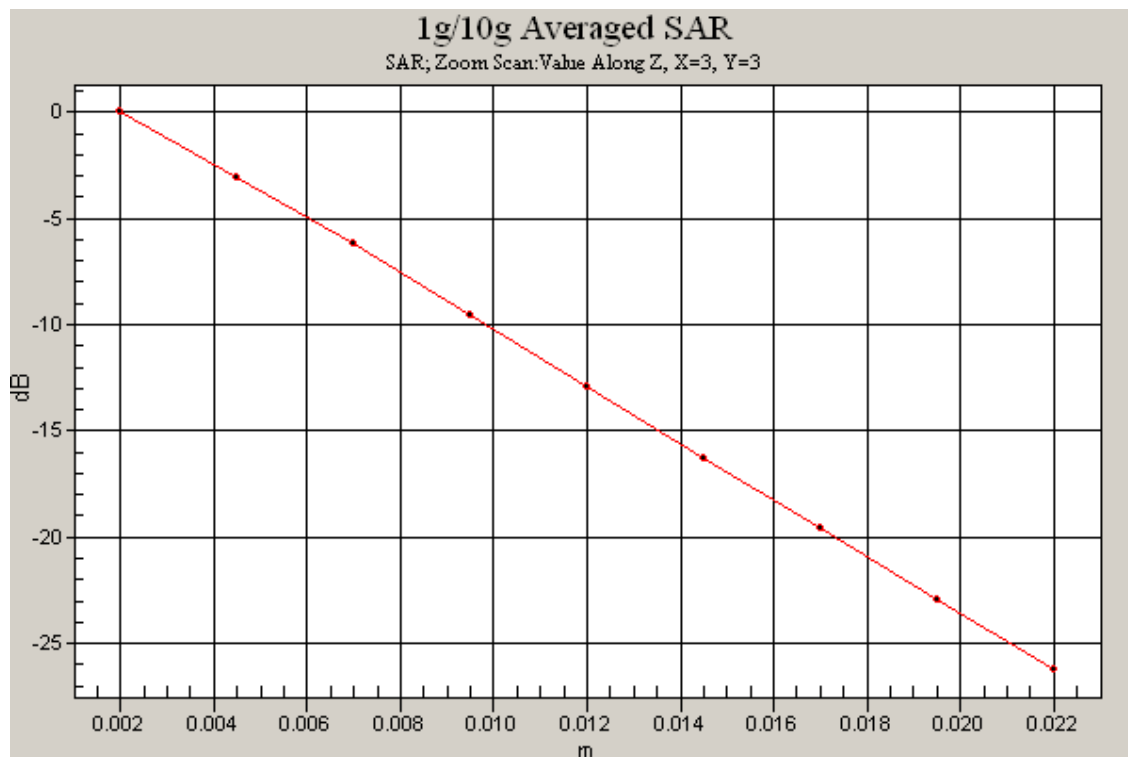


SAR MEASUREMENT PLOT 20

Ambient Temperature
Liquid Temperature
Humidity

20.4 Degrees Celsius
20.2 Degrees Celsius
42.0 %





Test Date: 18 August 2009

File Name: Validation 5200MHz (DAE 442 Probe EX3DV4) 18-08-09.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: $f = 5202.2$ MHz; $\sigma = 4.66$ mho/m; $\epsilon_r = 37.6$; $\rho = 1000$ kg/m³

- Electronics: DAE3 Sn442; Probe: EX3DV4 - SN3563; ConvF(4.32, 4.32, 4.32)

- 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) = 43.7 mW/g

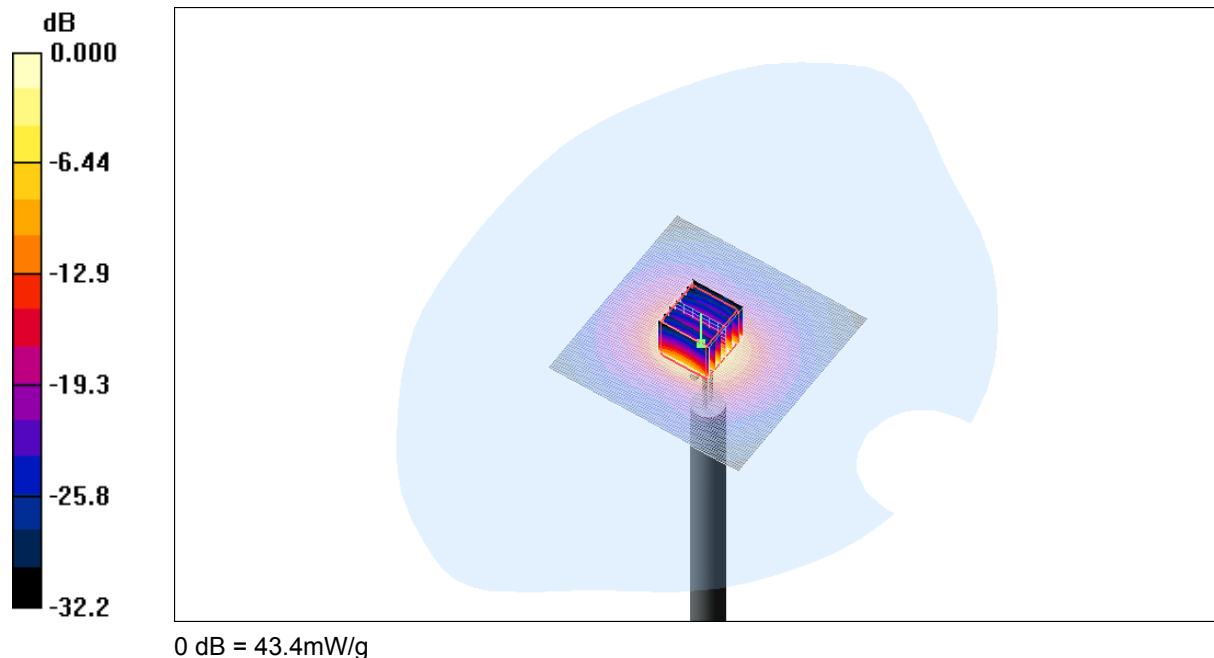
Channel 1 Test/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 97.6 V/m; Power Drift = 0.029 dB

Peak SAR (extrapolated) = 80.8 W/kg

SAR(1 g) = 20.9 mW/g; SAR(10 g) = 5.91 mW/g

Maximum value of SAR (measured) = 43.4 mW/g

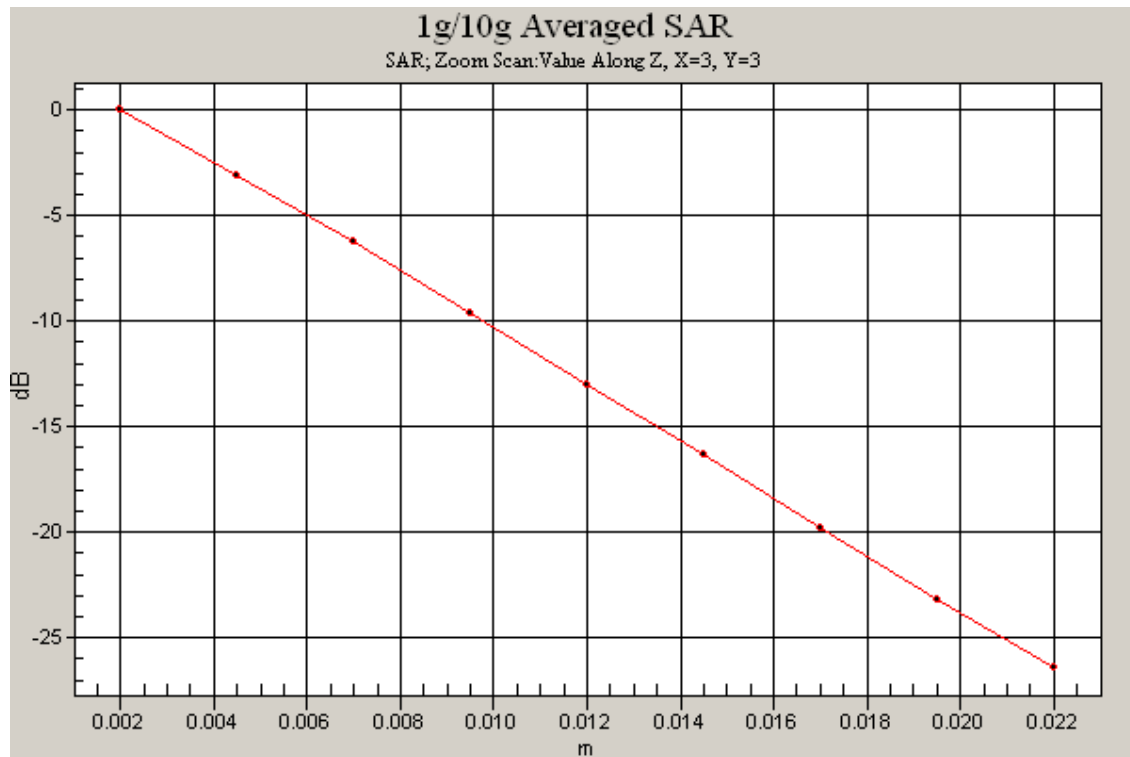


SAR MEASUREMENT PLOT 21

Ambient Temperature
Liquid Temperature
Humidity

20.5 Degrees Celsius
20.3 Degrees Celsius
43.0 %





Test Date: 19 August 2009

File Name: Validation 5500MHz (DAE 442 Probe EX3DV4) 19-08-09.da4

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

* Communication System: CW 5500 MHz; Frequency: 5500 MHz; Duty Cycle: 1:1

* Medium parameters used: $f = 5494.2$ MHz; $\sigma = 5.1$ mho/m; $\epsilon_r = 36.8$; $\rho = 1000$ kg/m³

- Electronics: DAE3 Sn442; Probe: EX3DV4 - SN3563; ConvF(3.76, 3.76, 3.76)

- 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) = 46.0 mW/g

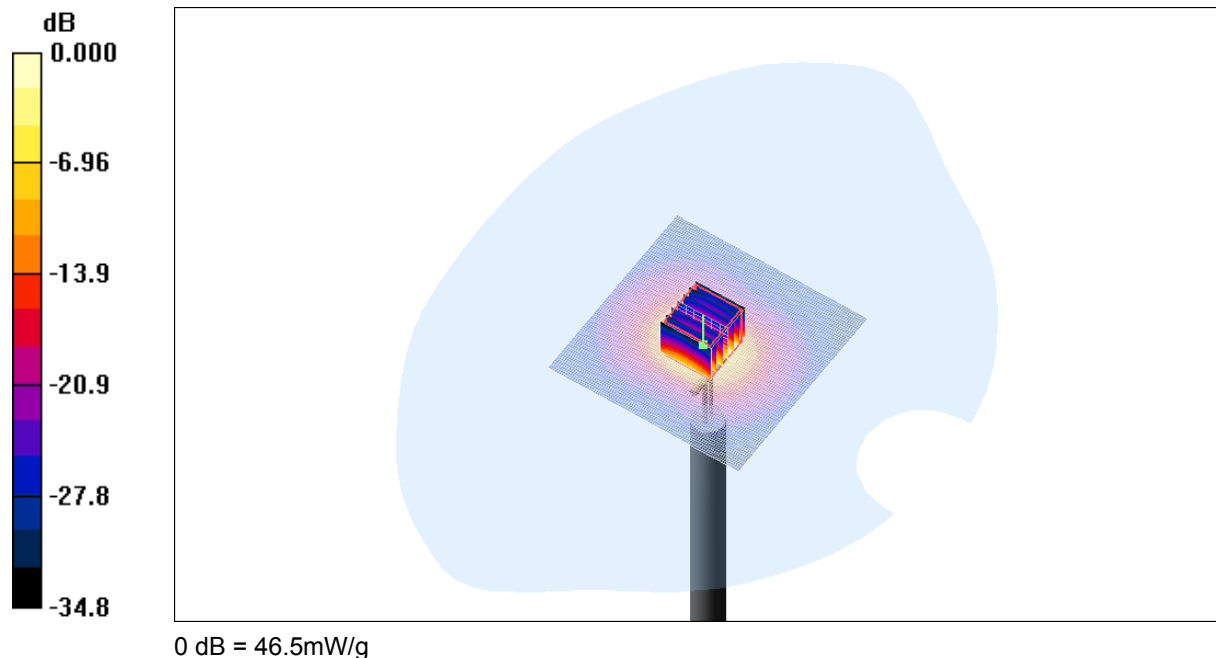
Channel 1 Test/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 95.8 V/m; Power Drift = 0.141 dB

Peak SAR (extrapolated) = 90.4 W/kg

SAR(1 g) = 21.9 mW/g; SAR(10 g) = 6.17 mW/g

Maximum value of SAR (measured) = 46.5 mW/g

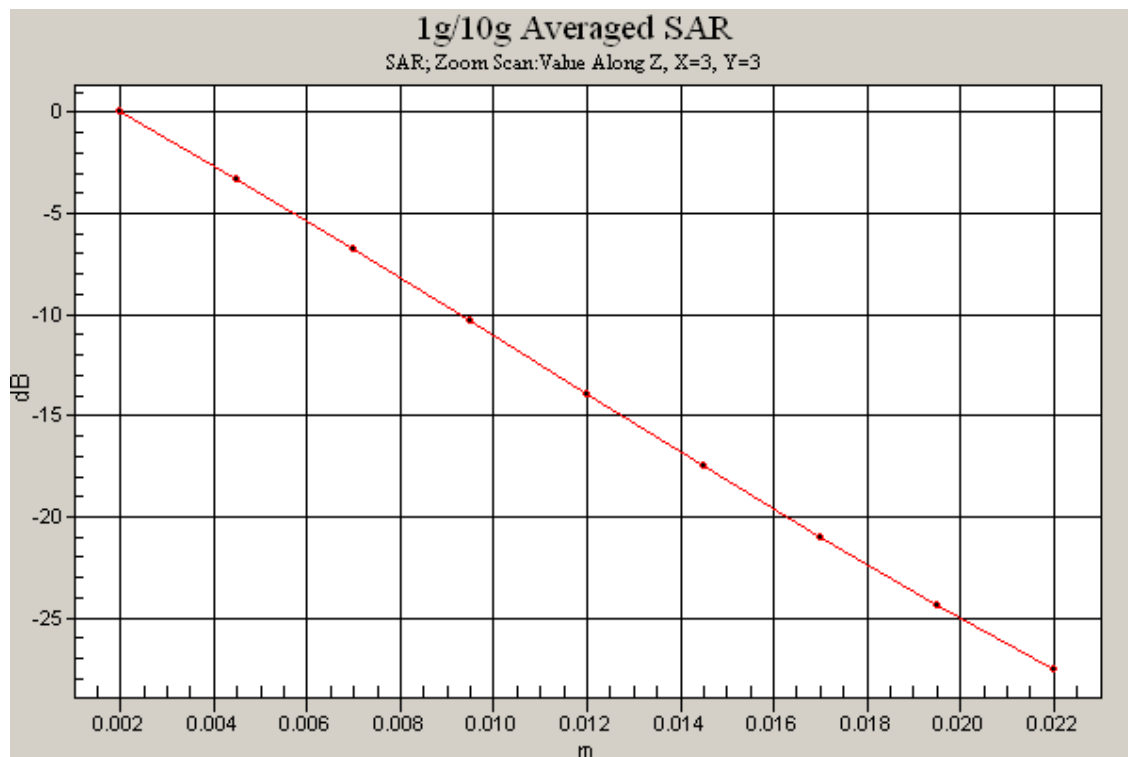


SAR MEASUREMENT PLOT 22

Ambient Temperature
Liquid Temperature
Humidity

20.3 Degrees Celsius
20.0 Degrees Celsius
42.0 %





Test Date: 19 August 2009

File Name: Validation 5800MHz (DAE 442 Probe EX3DV4) 19-08-09.da4

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

* Communication System: CW 5800 MHz; Frequency: 5800 MHz; Duty Cycle: 1:1

* Medium parameters used: $f = 5800.8$ MHz; $\sigma = 5.32$ mho/m; $\epsilon_r = 35.4$; $\rho = 1000$ kg/m³

- Electronics: DAE3 Sn442; Probe: EX3DV4 - SN3563; ConvF(3.65, 3.65, 3.65)

- 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) = 45.9 mW/g

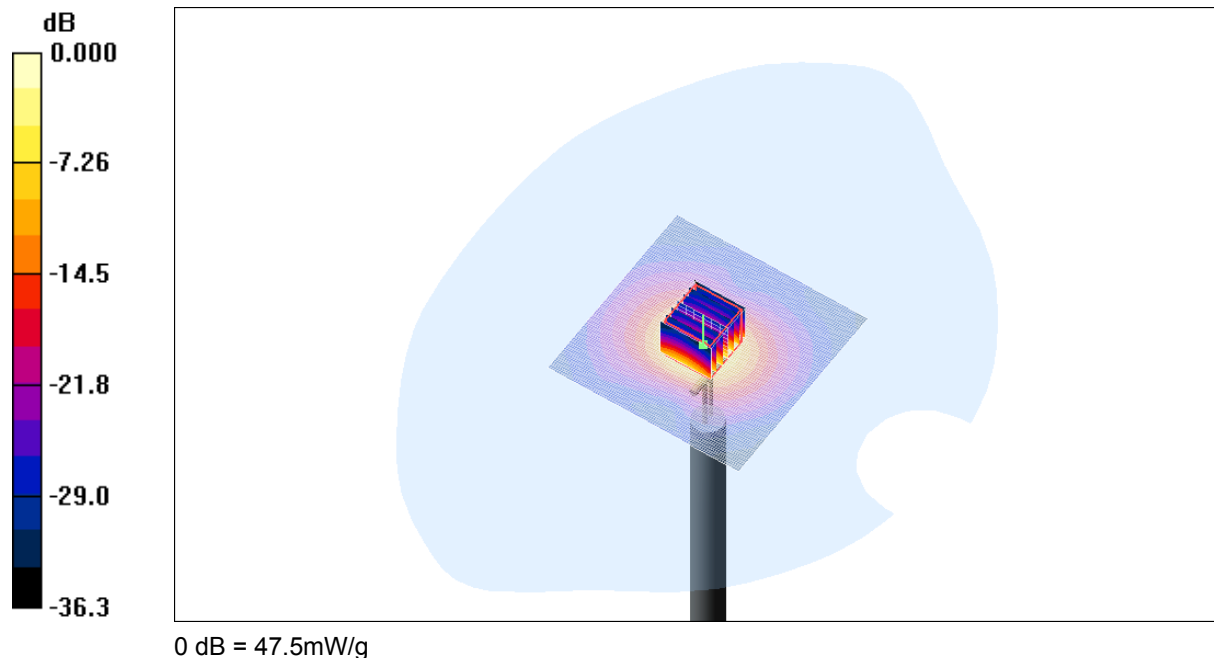
Channel 1 Test/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 96.7 V/m; Power Drift = 0.190 dB

Peak SAR (extrapolated) = 91.7 W/kg

SAR(1 g) = 22 mW/g; SAR(10 g) = 6.21 mW/g

Maximum value of SAR (measured) = 47.5 mW/g



SAR MEASUREMENT PLOT 23

Ambient Temperature
Liquid Temperature
Humidity

20.3 Degrees Celsius
20.0 Degrees Celsius
42.0 %



