

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
Edge On Left	1	C	6	-	36
	2		6	-	52
	3		6	-	64
	4	B	6	-	52
Edge On Right	5	A	6	-	52
Z-Axis graphs for Plots 1 to 5					

Table: 5600 MHz Band SAR Measurement Plot Numbers

Test Position	Plot No.	Ant	Bit rate Mode (Mbps)	Channel Bandwidth (MHz)	Test Channel
Edge On Right	6	A	6	-	120
Z-Axis graphs for Plots 6 to 8					
Edge On Left	7	B	6	-	120
	8	C	6	-	100
	9		6	-	120
	10		6	-	140
Z-Axis graphs for Plots 9 to 12					

Table: 5800 MHz Band SAR Measurement Plot Numbers

Test Position	Plot No.	Ant	Bit rate Mode (Mbps)	Channel Bandwidth (MHz)	Test Channel
Edge On Right	11	A	6	-	157
Edge On Left	12	C	6	-	149
	13		6	-	157
	14		6	-	165
Z-Axis graphs for Plots 13 to 16					



Table: Validation Plots

Plot 15	Validation 5200 MHz 1 st August 2008
Plot 16	Validation 5500 MHz 26 th June 2008
Plot 17	Validation 5500 MHz 5 th August 2008
Plot 18	Validation 5800 MHz 13 th August 2008
Z-Axis graphs for Plots 17 to 20	



Test Date: 05 August 2008

File Name: [Edge On Left OFDM 5.2 GHz WiFi Antenna C -2dB Attenuation 05-08-08.da4](#)

DUT: Fujitsu Tablet Cutlas with Shirley Peak 11abgn (3x3); Type: 533AN_HMW; Serial: 0016EA042224

* Communication System: OFDM 5250 MHz; Frequency: 5180 MHz; Duty Cycle: 1:1

* Medium parameters used: $f = 5173$ MHz; $\sigma = 5.09$ mho/m; $\epsilon_r = 45$; $\rho = 1000$ kg/m³

- Electronics: DAE3 Sn442; Probe: EX3DV4 - SN3563; ConvF(3.72, 3.72, 3.72)

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

Channel 36 Test/Area Scan (81x121x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 1.26 mW/g

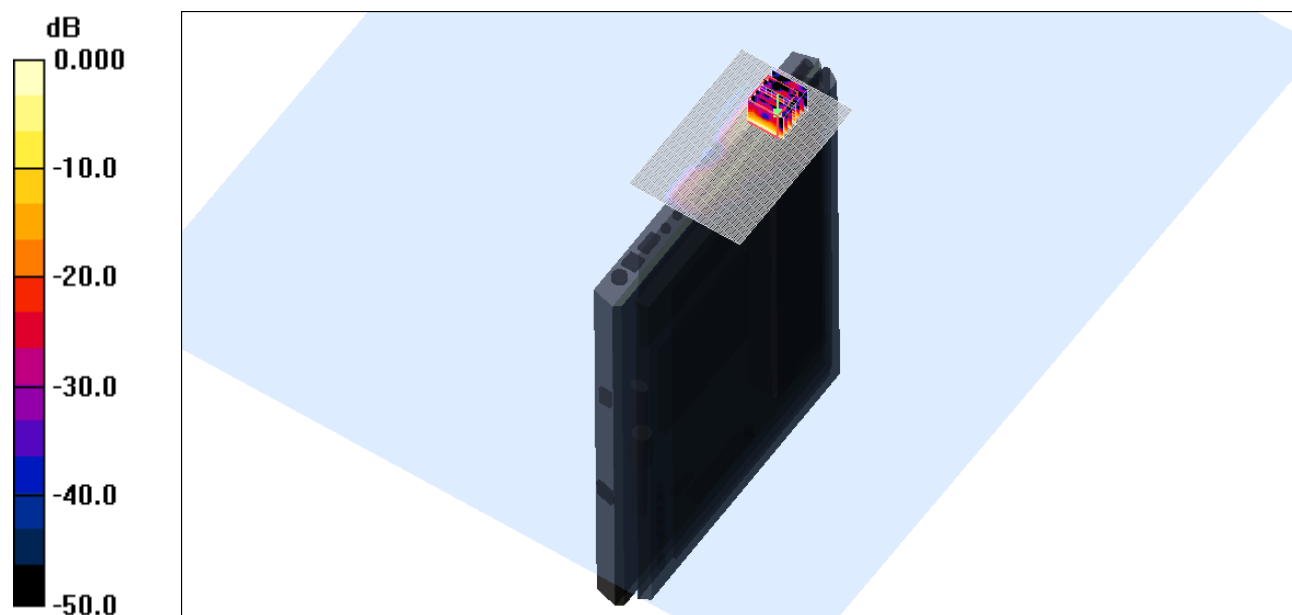
Channel 36 Test/Zoom Scan (7x7x8)/Cube 0: Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm

Reference Value = 6.49 V/m; Power Drift = -0.431 dB

Peak SAR (extrapolated) = 5.09 W/kg

SAR(1 g) = 1.05 mW/g; SAR(10 g) = 0.250 mW/g

Maximum value of SAR (measured) = 2.61 mW/g



0 dB = 2.61mW/g

SAR MEASUREMENT PLOT 1

Ambient Temperature
Liquid Temperature
Humidity

20.3 Degrees Celsius
20.2 Degrees Celsius
34.0 %



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Test Date: 05 August 2008

File Name: [Edge On Left OFDM 5.2 GHz WiFi Antenna C -2dB Attenuation 05-08-08.da4](#)

DUT: Fujitsu Tablet Cutlas with Shirley Peak 11abgn (3x3); Type: 533AN_HMW; Serial: 0016EA042224

* Communication System: OFDM 5250 MHz; Frequency: 5260 MHz; Duty Cycle: 1:1

* Medium parameters used: $f = 5260.6$ MHz; $\sigma = 5.23$ mho/m; $\epsilon_r = 44.8$; $\rho = 1000$ kg/m³

- Electronics: DAE3 Sn442; Probe: EX3DV4 - SN3563; ConvF(3.72, 3.72, 3.72)

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

Channel 52 Test/Area Scan (81x121x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 1.29 mW/g

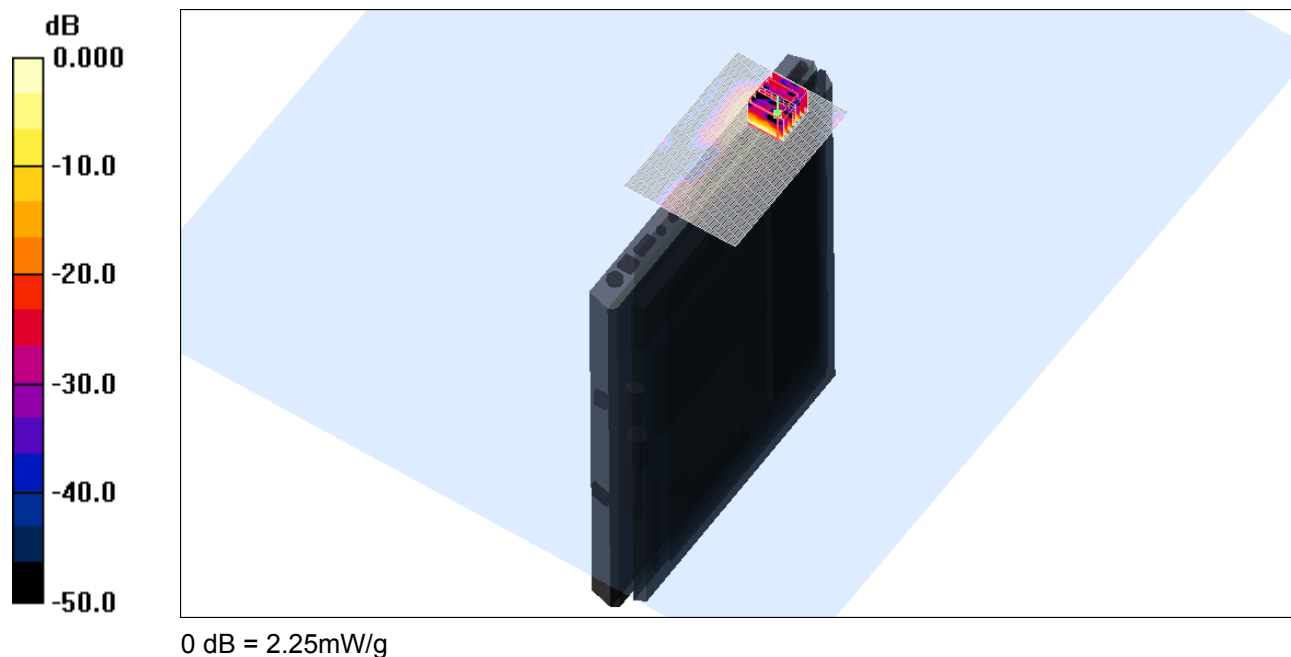
Channel 52 Test/Zoom Scan (7x7x8)/Cube 0: Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm

Reference Value = 8.84 V/m; Power Drift = 0.196 dB

Peak SAR (extrapolated) = 4.74 W/kg

SAR(1 g) = 0.950 mW/g; SAR(10 g) = 0.222 mW/g

Maximum value of SAR (measured) = 2.25 mW/g



SAR MEASUREMENT PLOT 2

Ambient Temperature
Liquid Temperature
Humidity

20.3 Degrees Celsius
20.2 Degrees Celsius
34.0 %



Test Date: 05 August 2008

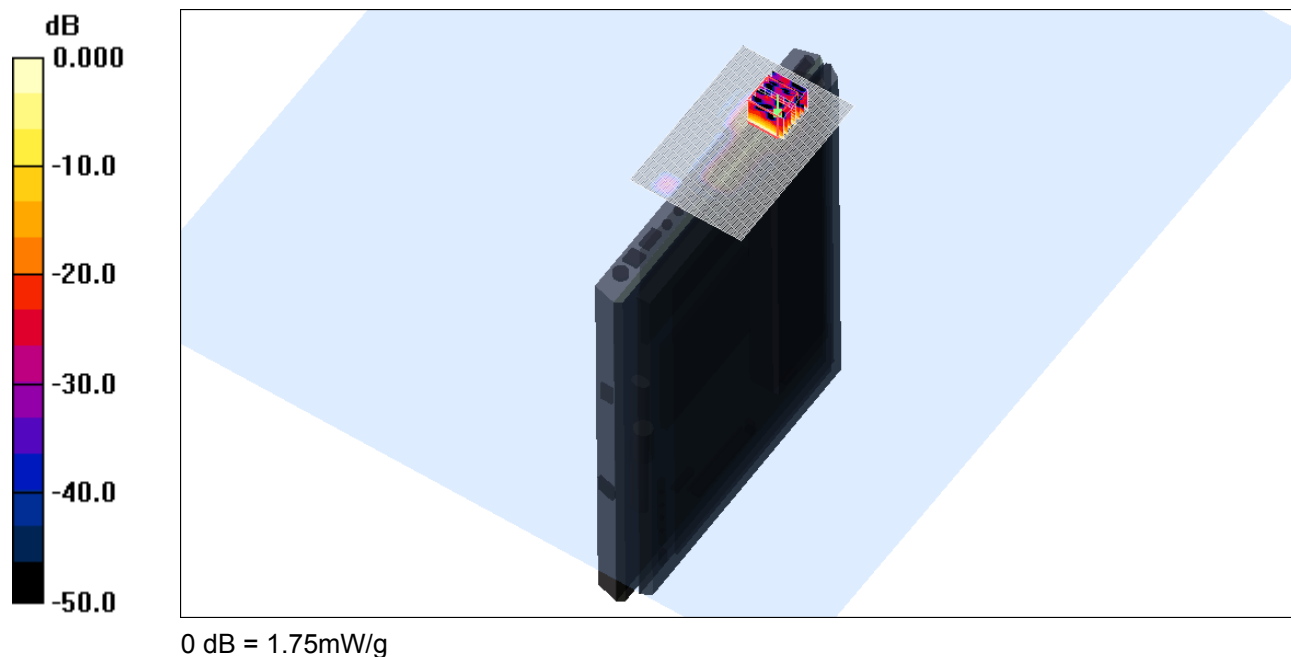
File Name: [Edge On Left OFDM 5.2 GHz WiFi Antenna C -2dB Attenuation 05-08-08.da4](#)

DUT: Fujitsu Tablet Cutlas with Shirley Peak 11abgn (3x3); Type: 533AN_HMW; Serial: 0016EA042224

- * Communication System: OFDM 5250 MHz; Frequency: 5320 MHz; Duty Cycle: 1:1
- * Medium parameters used: $f = 5319$ MHz; $\sigma = 5.33$ mho/m; $\epsilon_r = 44.6$; $\rho = 1000$ kg/m³
- Electronics: DAE3 Sn442; Probe: EX3DV4 - SN3563; ConvF(3.72, 3.72, 3.72)
- Phantom: Flat Phantom 10.1; Serial: P 10.1; Phantom section: Flat 2.2 Section

Channel 64 Test/Area Scan (81x121x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.950 mW/g

Channel 64 Test/Zoom Scan (7x7x8)/Cube 0: Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm
Reference Value = 7.00 V/m; Power Drift = -0.134 dB
Peak SAR (extrapolated) = 3.40 W/kg
SAR(1 g) = 0.697 mW/g; SAR(10 g) = 0.176 mW/g
Maximum value of SAR (measured) = 1.75 mW/g



SAR MEASUREMENT PLOT 3

Ambient Temperature
Liquid Temperature
Humidity

20.3 Degrees Celsius
20.2 Degrees Celsius
34.0 %



Test Date: 05 August 2008

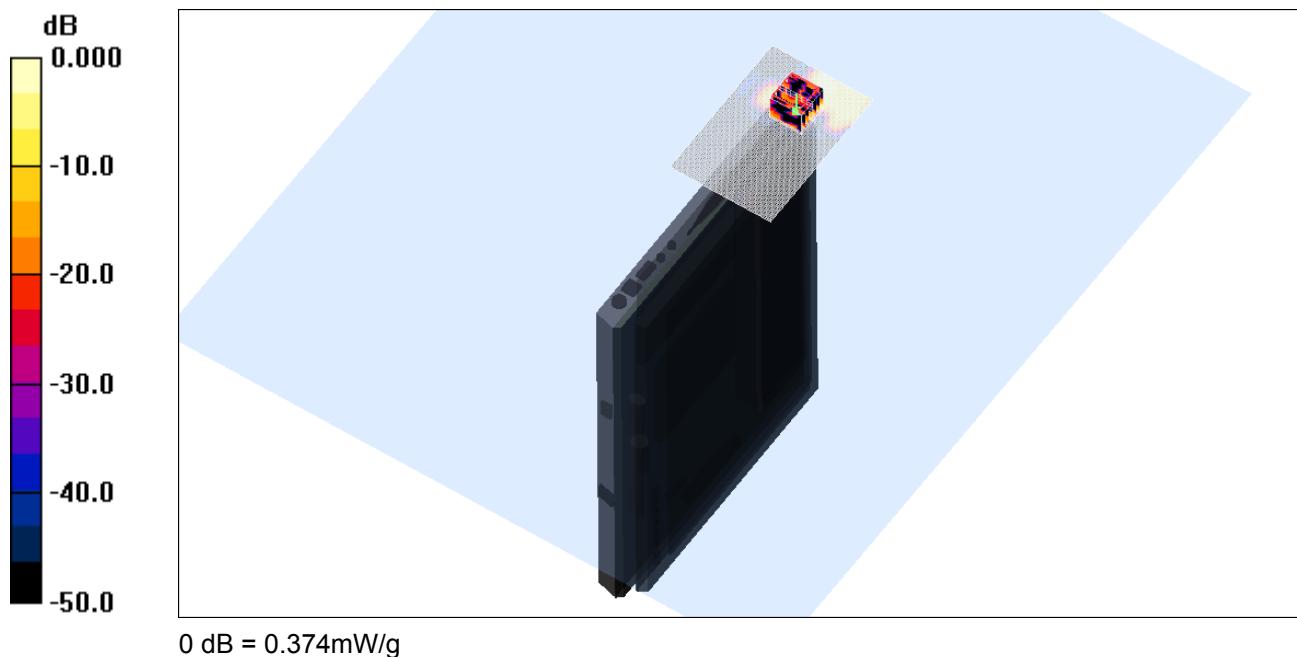
File Name: [Edge On Left OFDM 5.2 GHz WiFi Antenna B 05-08-08.da4](#)

DUT: Fujitsu Tablet Cutlas with Shirley Peak 11abgn (3x3); Type: 533AN_HMW; Serial: 0016EA042224

- * Communication System: OFDM 5250 MHz; Frequency: 5260 MHz; Duty Cycle: 1:1
- * Medium parameters used: $f = 5260.6$ MHz; $\sigma = 5.23$ mho/m; $\epsilon_r = 44.8$; $\rho = 1000$ kg/m³
- Electronics: DAE3 Sn442; Probe: EX3DV4 - SN3563; ConvF(3.72, 3.72, 3.72)
- Phantom: Flat Phantom 10.1; Serial: P 10.1; Phantom section: Flat 2.2 Section

Channel 52 Test/Area Scan (81x121x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.316 mW/g

Channel 52 Test/Zoom Scan (7x7x8)/Cube 0: Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm
Reference Value = 4.52 V/m; Power Drift = -0.089 dB
Peak SAR (extrapolated) = 0.601 W/kg
SAR(1 g) = 0.155 mW/g; SAR(10 g) = 0.038 mW/g
Maximum value of SAR (measured) = 0.374 mW/g



SAR MEASUREMENT PLOT 4

Ambient Temperature
Liquid Temperature
Humidity

20.3 Degrees Celsius
20.2 Degrees Celsius
34.0 %



Test Date: 05 August 2008

File Name: [Edge On Right OFDM 5.2 GHz WiFi Antenna A 05-08-08.da4](#)

DUT: Fujitsu Tablet Cutlas with Shirley Peak 11abgn (3x3); Type: 533AN_HMW; Serial: 0016EA042224

* Communication System: OFDM 5250 MHz; Frequency: 5260 MHz; Duty Cycle: 1:1

* Medium parameters used: $f = 5260.6$ MHz; $\sigma = 5.23$ mho/m; $\epsilon_r = 44.8$; $\rho = 1000$ kg/m³

- Electronics: DAE3 Sn442; Probe: EX3DV4 - SN3563; ConvF(3.72, 3.72, 3.72)

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

Channel 52 Test/Area Scan (81x121x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.684 mW/g

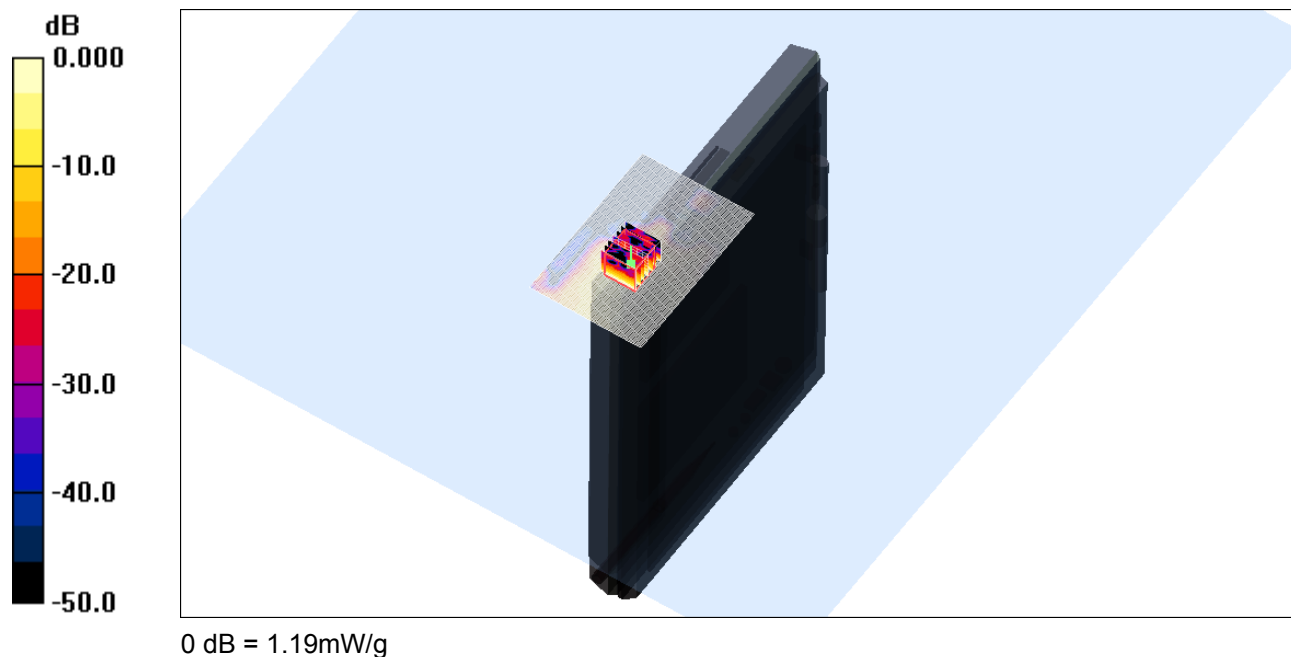
Channel 52 Test/Zoom Scan (7x7x8)/Cube 0: Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm

Reference Value = 9.72 V/m; Power Drift = -0.390 dB

Peak SAR (extrapolated) = 2.23 W/kg

SAR(1 g) = 0.579 mW/g; SAR(10 g) = 0.163 mW/g

Maximum value of SAR (measured) = 1.19 mW/g



SAR MEASUREMENT PLOT 5

Ambient Temperature
Liquid Temperature
Humidity

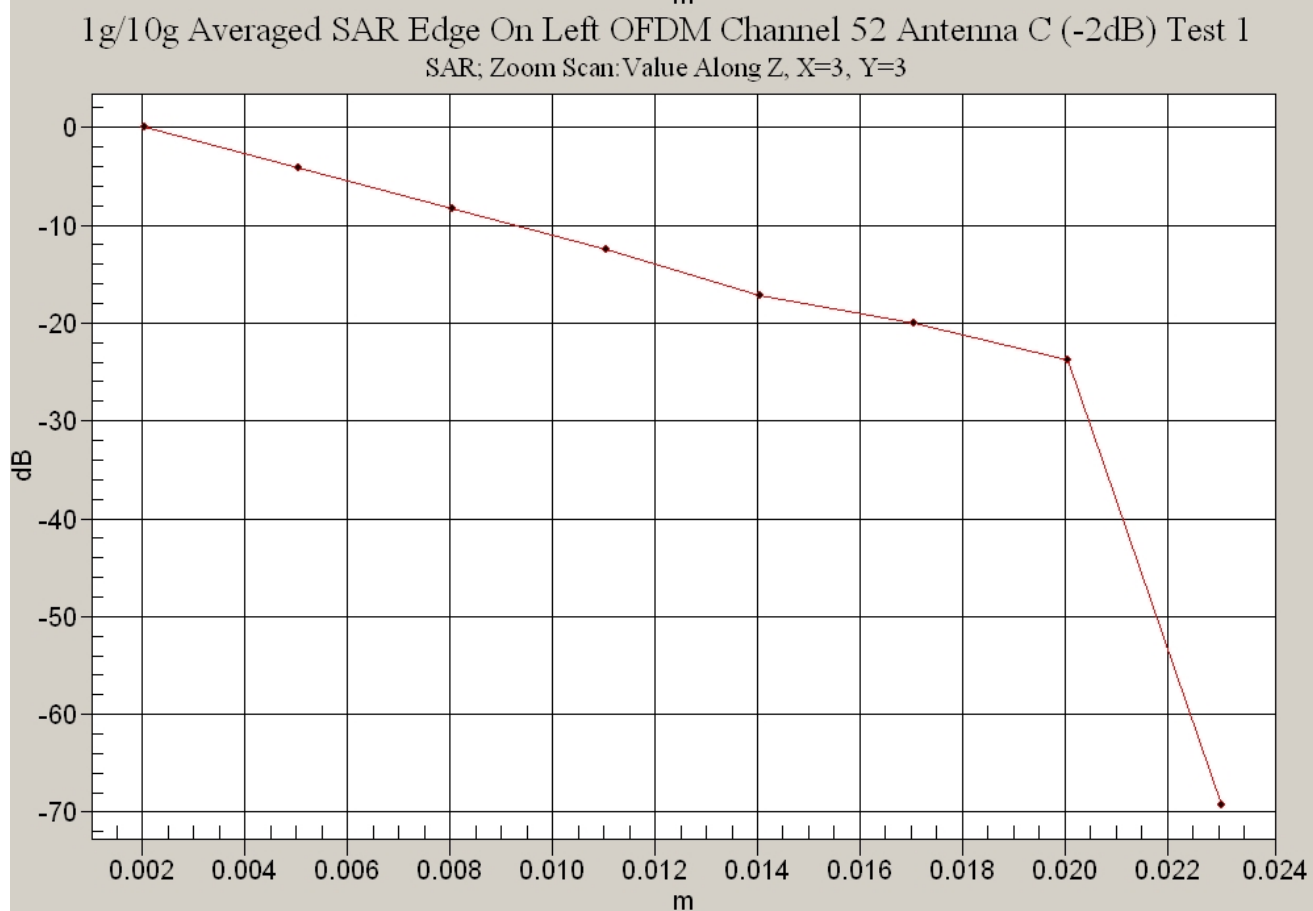
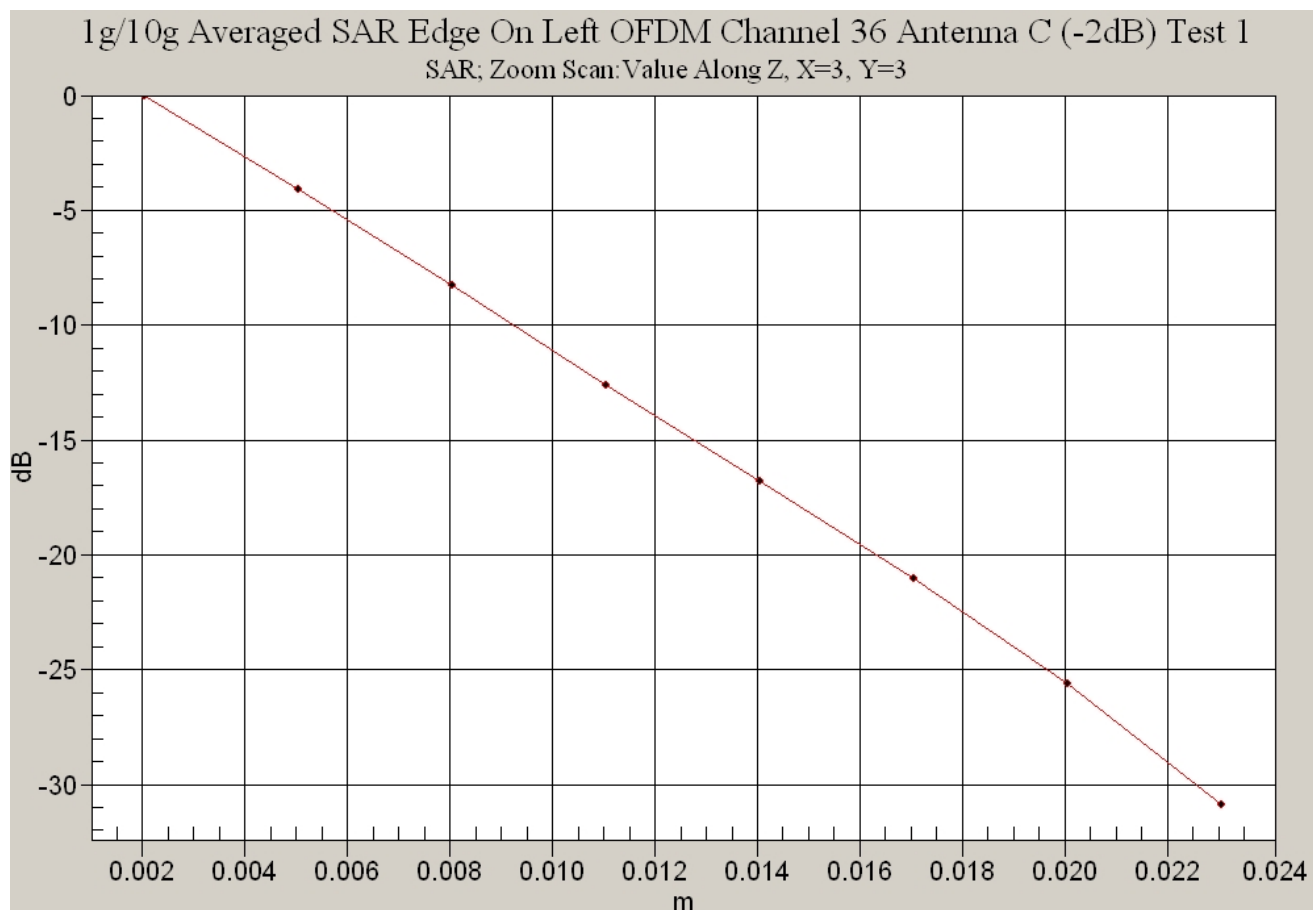
20.3 Degrees Celsius
20.2 Degrees Celsius
34.0 %



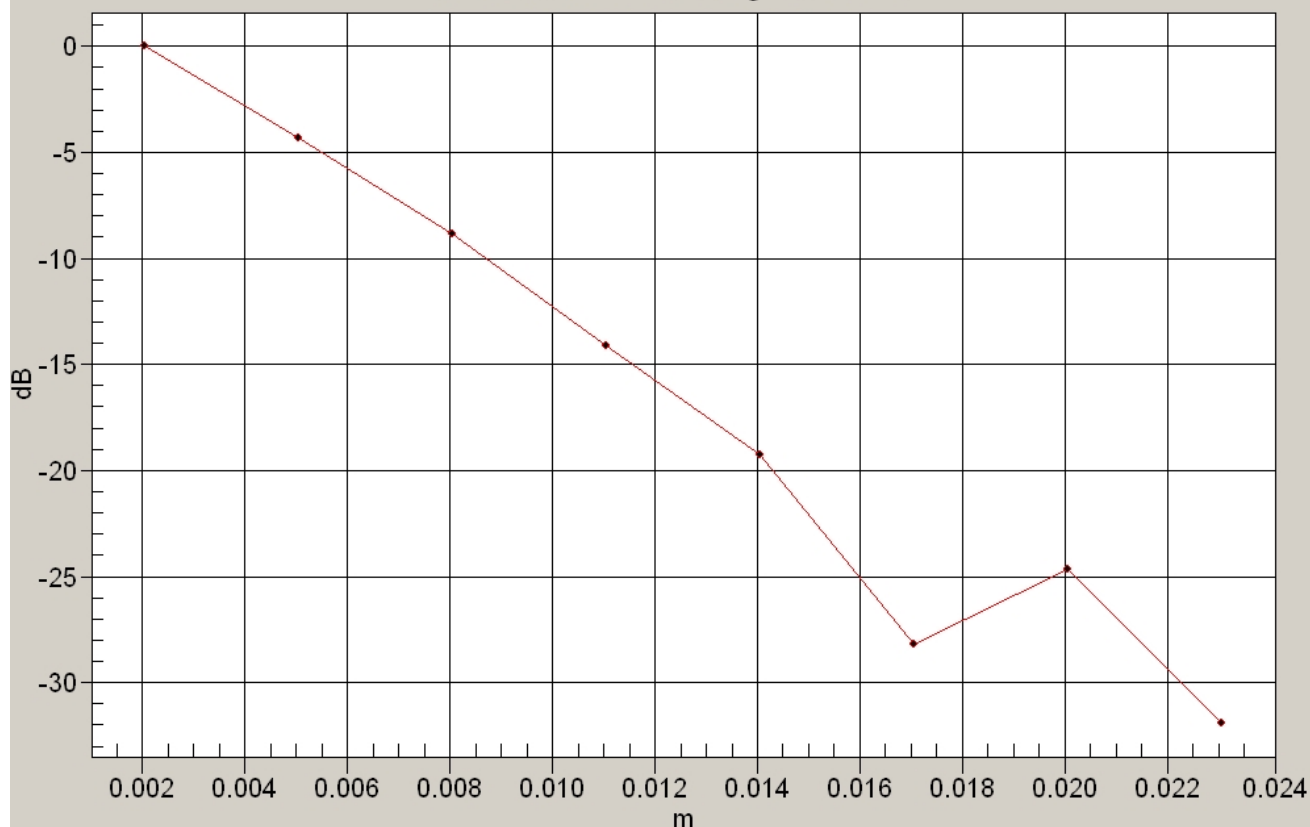
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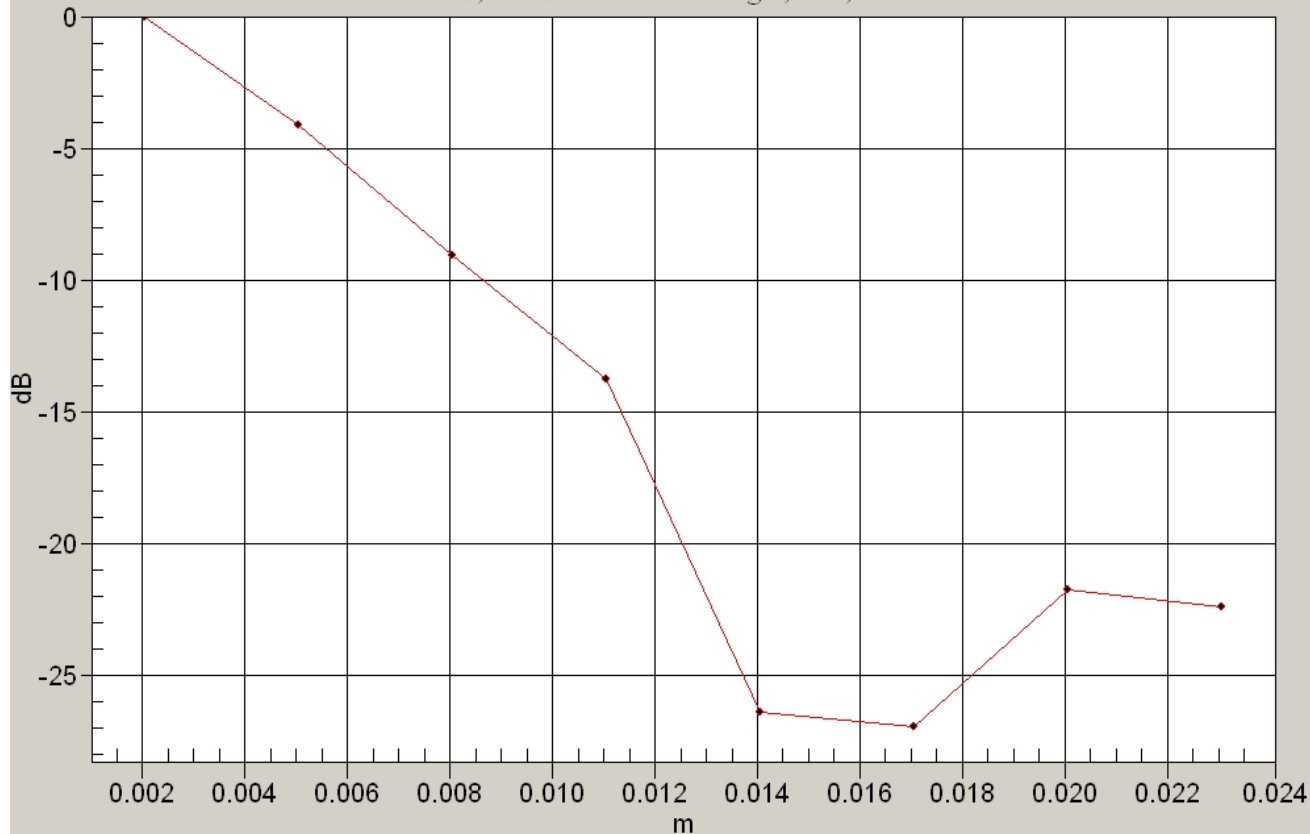
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1g/10g Averaged SAR Edge On Left OFDM Channel 64 Antenna C (-2dB) Test 1
SAR; Zoom Scan: Value Along Z, X=3, Y=3



1g/10g Averaged SAR Edge On Left OFDM Channel 52 Antenna B Test 1
SAR; Zoom Scan: Value Along Z, X=3, Y=3





Test Date: 01 August 2008

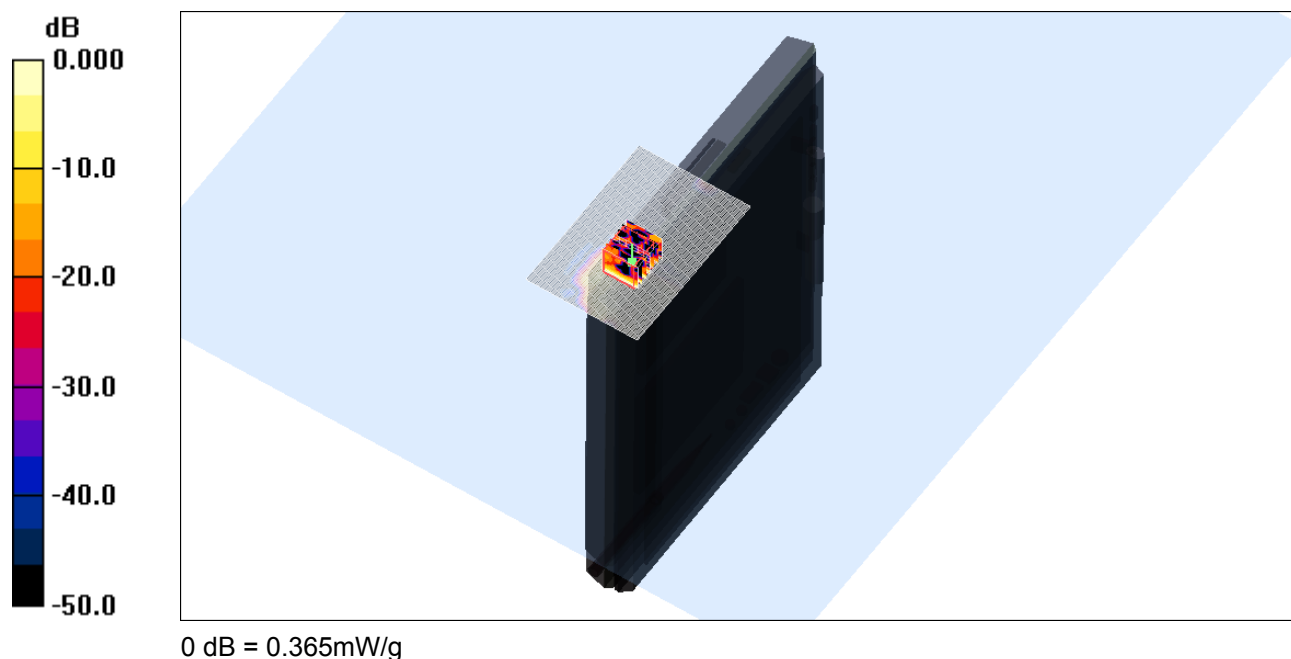
File Name: [Edge On Right OFDM 5.6 GHz WiFi Antenna A 01-08-08.da4](#)

DUT: Fujitsu Tablet Cutlas with Shirley Peak 11abgn (3x3); Type: 533AN_HMW; Serial: 0016EA042224

- * Communication System: OFDM 5600 MHz; Frequency: 5600 MHz; Duty Cycle: 1:1
- * Medium parameters used: $f = 5596.4$ MHz; $\sigma = 5.89$ mho/m; $\epsilon_r = 44$; $\rho = 1000$ kg/m³
- Electronics: DAE3 Sn442; Probe: EX3DV4 - SN3563; ConvF(3.75, 3.75, 3.75)
- Phantom: Flat Phantom 10.1; Serial: P 10.1; Phantom section: Flat 2.2 Section

Channel 120 Test/Area Scan (81x121x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.414 mW/g

Channel 120 Test/Zoom Scan (7x7x8)/Cube 0: Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm
Reference Value = 4.68 V/m; Power Drift = 0.279 dB
Peak SAR (extrapolated) = 0.600 W/kg
SAR(1 g) = 0.151 mW/g; SAR(10 g) = 0.043 mW/g
Maximum value of SAR (measured) = 0.365 mW/g



SAR MEASUREMENT PLOT 6

Ambient Temperature
Liquid Temperature
Humidity

20.2 Degrees Celsius
19.9 Degrees Celsius
42.0 %

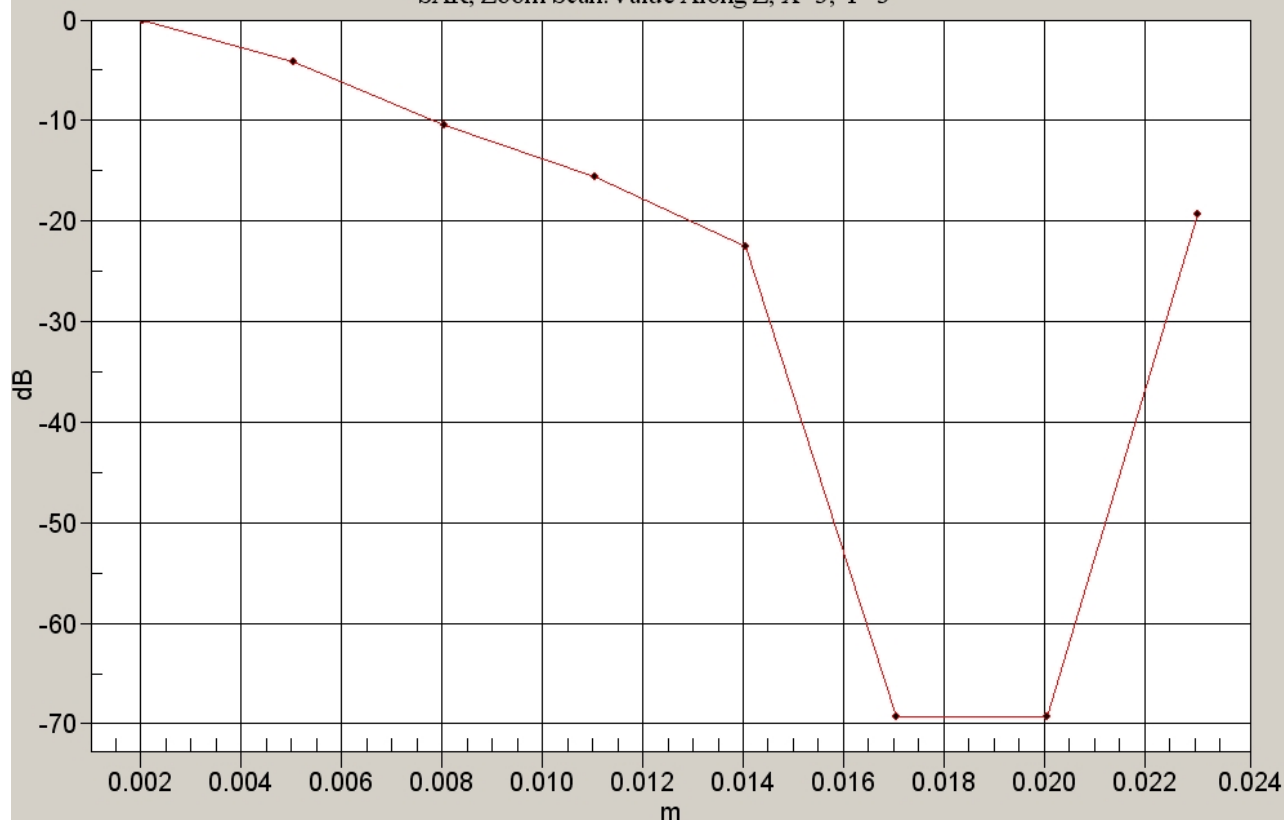


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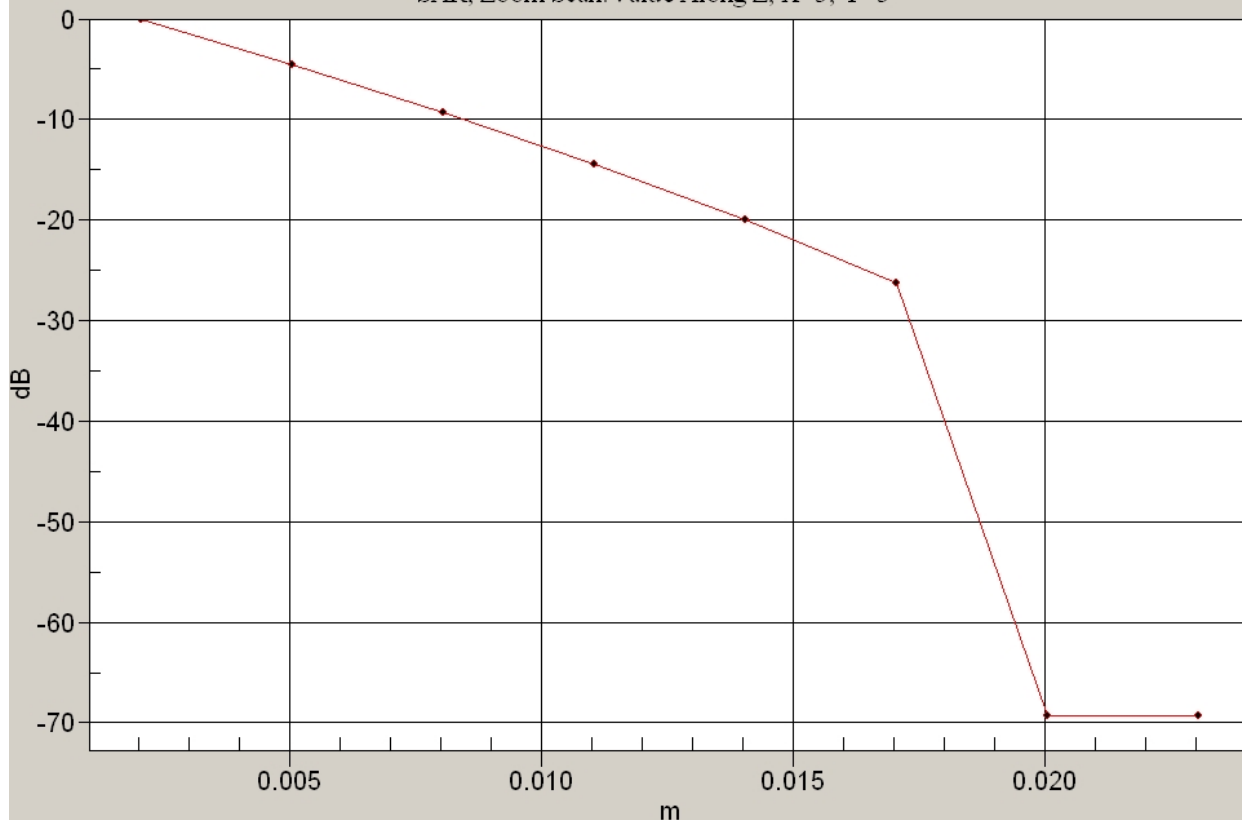
1g/10g Averaged SAR Edge On Right OFDM Channel 120 Antenna A Test 1

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



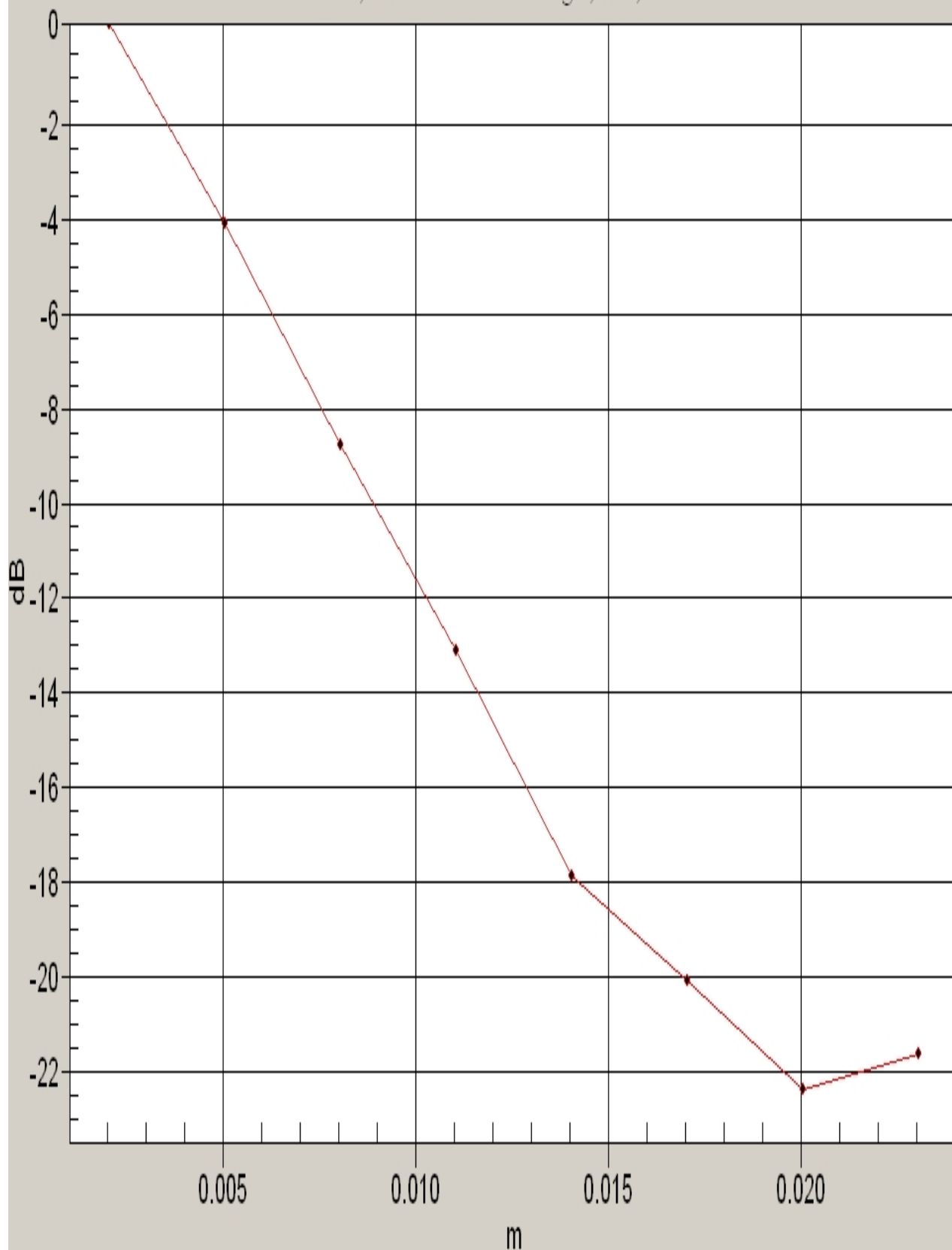
1g/10g Averaged SAR Edge On Left OFDM Channel 100 Antenna C (-2dB) Test 1

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



1g/10g Averaged SAR Edge On Left OFDM Channel 120 Antenna C (-2dB) Test 1

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



Test Date: 01 August 2008

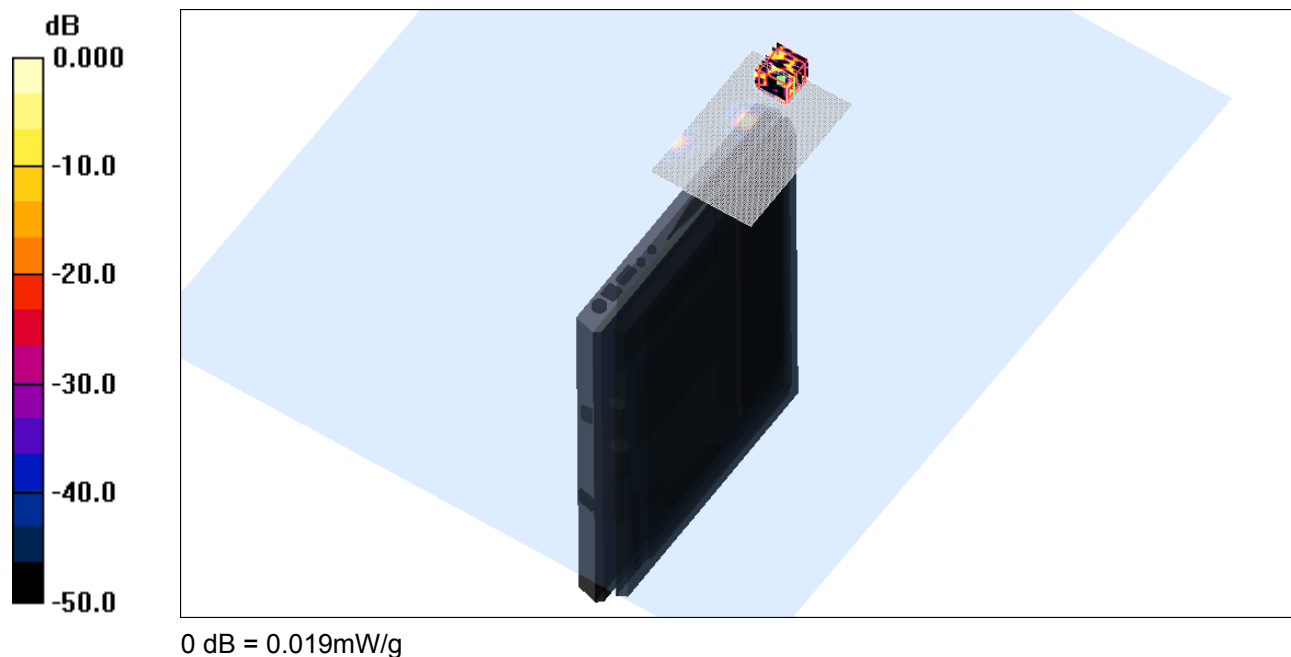
File Name: [Edge On Left OFDM 5.6 GHz WiFi Antenna B 01-08-08.da4](#)

DUT: Fujitsu Tablet Cutlas with Shirley Peak 11abgn (3x3); Type: 533AN_HMW; Serial: 0016EA042224

- * Communication System: OFDM 5600 MHz; Frequency: 5600 MHz; Duty Cycle: 1:1
- * Medium parameters used: $f = 5596.4$ MHz; $\sigma = 5.89$ mho/m; $\epsilon_r = 44$; $\rho = 1000$ kg/m³
- Electronics: DAE3 Sn442; Probe: EX3DV4 - SN3563; ConvF(3.75, 3.75, 3.75)
- Phantom: Flat Phantom 10.1; Serial: P 10.1; Phantom section: Flat 2.2 Section

Channel 120 Test/Area Scan (81x121x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.016 mW/g

Channel 120 Test/Zoom Scan (7x7x8)/Cube 0: Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm
Reference Value = 1.88 V/m; Power Drift = -0.391 dB
Peak SAR (extrapolated) = 0.016 W/kg
SAR(1 g) = 5.96e-005 mW/g; SAR(10 g) = 3.1e-006 mW/g
Maximum value of SAR (measured) = 0.019 mW/g



SAR MEASUREMENT PLOT 7

Ambient Temperature
Liquid Temperature
Humidity

20.2 Degrees Celsius
19.9 Degrees Celsius
42.0 %



Test Date: 26 June 2008

File Name: [Edge On Left OFDM 5.6 GHz WiFi Antenna C -2dB Attenuation 26-06-08.da4](#)

DUT: Fujitsu Tablet Cutlas with Shirley Peak 11abgn (3x3); Type: 533AN_HMW; Serial: 0016EA042224

* Communication System: OFDM 5600 MHz; Frequency: 5500 MHz; Duty Cycle: 1:1

* Medium parameters used: $f = 5494.2$ MHz; $\sigma = 5.68$ mho/m; $\epsilon_r = 44.4$; $\rho = 1000$ kg/m³

- Electronics: DAE3 Sn442; Probe: EX3DV4 - SN3563; ConvF(3.68, 3.68, 3.68)

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

Channel 100 Test/Area Scan (81x121x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 1.08 mW/g

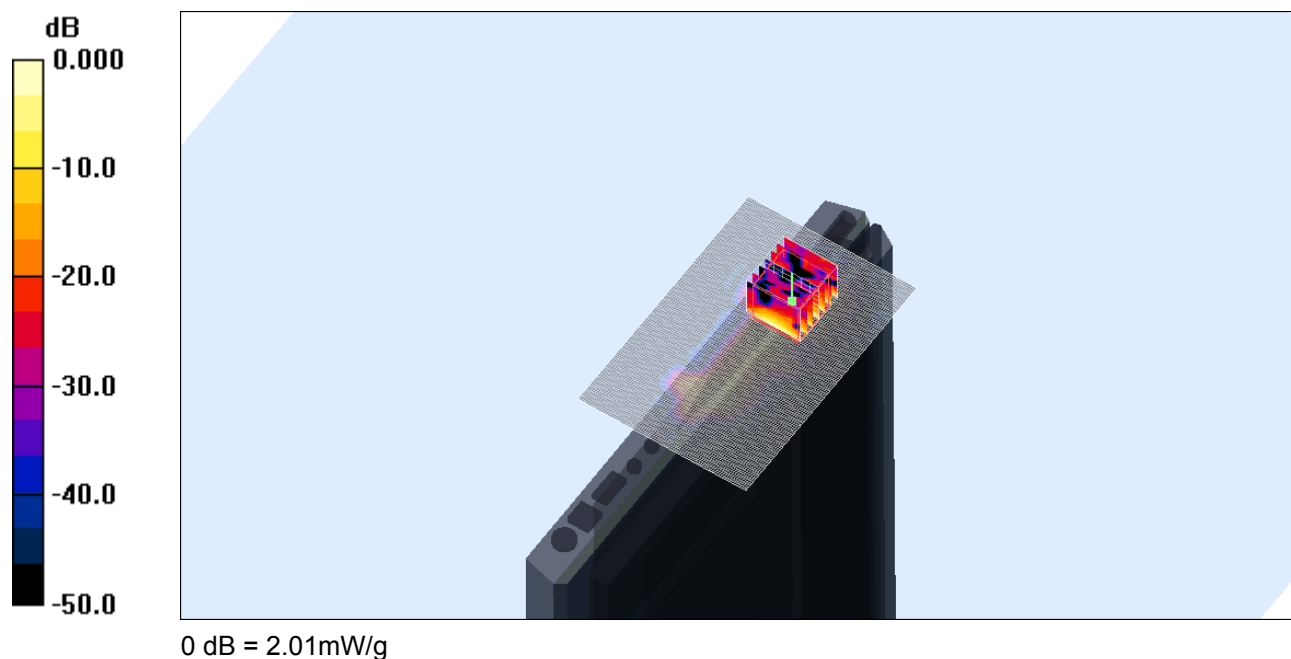
Channel 100 Test/Zoom Scan (7x7x8)/Cube 0: Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm

Reference Value = 6.88 V/m; Power Drift = -0.391 dB

Peak SAR (extrapolated) = 4.35 W/kg

SAR(1 g) = 0.860 mW/g; SAR(10 g) = 0.216 mW/g

Maximum value of SAR (measured) = 2.01 mW/g



SAR MEASUREMENT PLOT 8

Ambient Temperature
Liquid Temperature
Humidity

20.2 Degrees Celsius
20.0 Degrees Celsius
47.0 %



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Test Date: 26 June 2008

File Name: [Edge On Left OFDM 5.6 GHz WiFi Antenna C -2dB Attenuation 26-06-08.da4](#)

DUT: Fujitsu Tablet Cutlas with Shirley Peak 11abgn (3x3); Type: 533AN_HMW; Serial: 0016EA042224

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

* Medium parameters used: $f = 5596.4$ MHz; $\sigma = 5.84$ mho/m; $\epsilon_r = 44.1$; $\rho = 1000$ kg/m³

- Electronics: DAE3 Sn442; Probe: EX3DV4 - SN3563; ConvF(3.68, 36.68, 3.68)

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

Channel 120 Test/Area Scan (81x121x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.704 mW/g

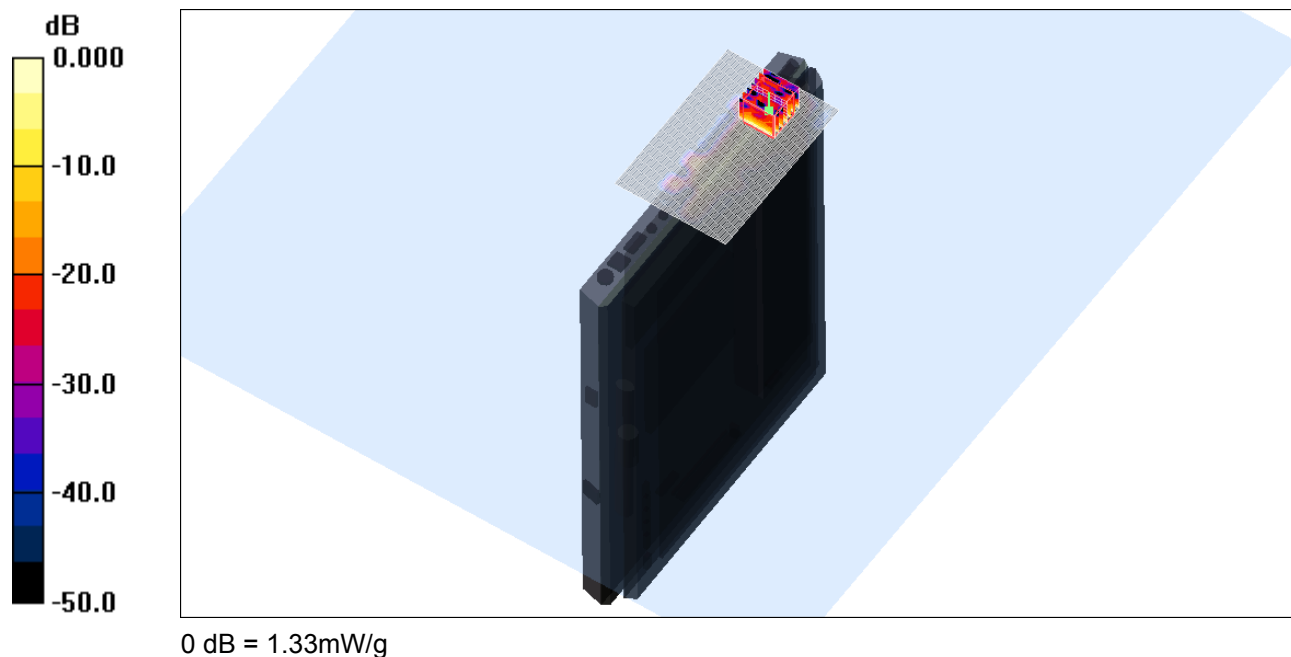
Channel 120 Test/Zoom Scan (7x7x8)/Cube 0: Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm

Reference Value = 7.04 V/m; Power Drift = -0.405 dB

Peak SAR (extrapolated) = 3.03 W/kg

SAR(1 g) = 0.576 mW/g; SAR(10 g) = 0.136 mW/g

Maximum value of SAR (measured) = 1.33 mW/g



SAR MEASUREMENT PLOT 9

Ambient Temperature
Liquid Temperature
Humidity

20.2 Degrees Celsius
20.0 Degrees Celsius
47.0 %



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Test Date: 26 June 2008

File Name: [Edge On Left OFDM 5.6 GHz WiFi Antenna C -2dB Attenuation 26-06-08.da4](#)

DUT: Fujitsu Tablet Cutlas with Shirley Peak 11abgn (3x3); Type: 533AN_HMW; Serial: 0016EA042224

* Communication System: OFDM 5600 MHz; Frequency: 5700 MHz; Duty Cycle: 1:1

* Medium parameters used: $f = 5698.6$ MHz; $\sigma = 5.99$ mho/m; $\epsilon_r = 43.9$; $\rho = 1000$ kg/m³

- Electronics: DAE3 Sn442; Probe: EX3DV4 - SN3563; ConvF(3.68, 3.68, 3.68)

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

Channel 140 Test/Area Scan (81x121x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.717 mW/g

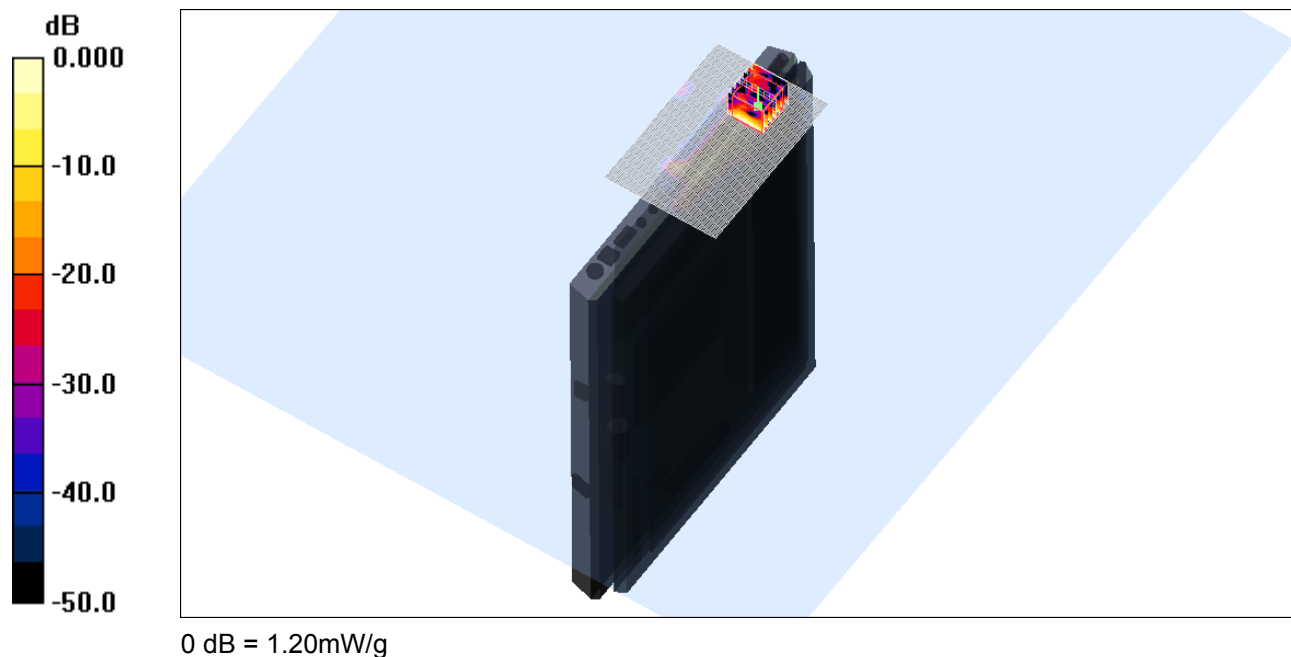
Channel 140 Test/Zoom Scan (7x7x8)/Cube 0: Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm

Reference Value = 9.88 V/m; Power Drift = -0.121 dB

Peak SAR (extrapolated) = 2.74 W/kg

SAR(1 g) = 0.568 mW/g; SAR(10 g) = 0.152 mW/g

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



SAR MEASUREMENT PLOT 10

Ambient Temperature
Liquid Temperature
Humidity

20.2 Degrees Celsius
20.0 Degrees Celsius
47.0 %



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Test Date: 13 August 2008

File Name: [Edge On Right OFDM 5.8 GHz WiFi Antenna A 13-08-08.da4](#)

DUT: Fujitsu Tablet Cutlas with Shirley Peak 11abgn (3x3); Type: 533AN_HMW; Serial: 0016EA042224

* Communication System: OFDM 5770 MHz; Frequency: 5785 MHz; Duty Cycle: 1:1

* Medium parameters used: $f = 5786.2$ MHz; $\sigma = 5.73$ mho/m; $\epsilon_r = 43.8$; $\rho = 1000$ kg/m³

- Electronics: DAE3 Sn442; Probe: EX3DV4 - SN3563; ConvF(3.71, 3.71, 3.71)

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

Channel 157 Test/Area Scan (81x121x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.182 mW/g

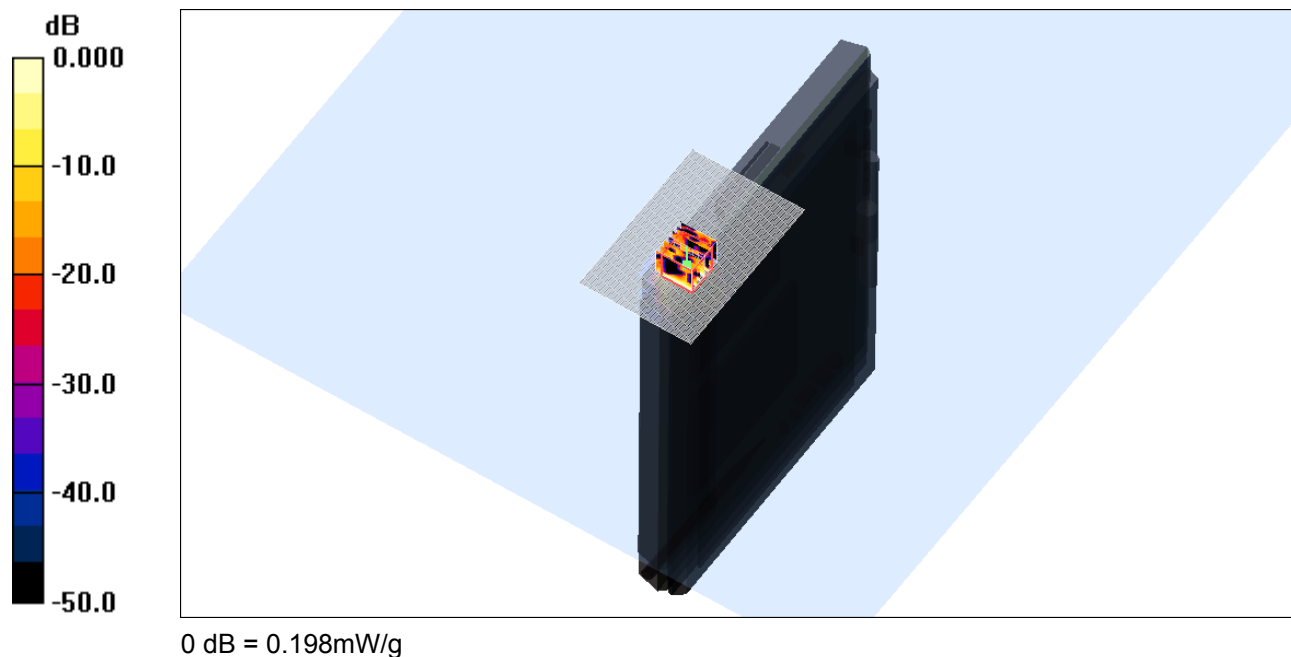
Channel 157 Test/Zoom Scan (7x7x8)/Cube 0: Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm

Reference Value = 5.03 V/m; Power Drift = -0.212 dB

Peak SAR (extrapolated) = 0.352 W/kg

SAR(1 g) = 0.083 mW/g; SAR(10 g) = 0.024 mW/g

Maximum value of SAR (measured) = 0.198 mW/g



SAR MEASUREMENT PLOT 11

Ambient Temperature
Liquid Temperature
Humidity

21.8 Degrees Celsius
21.4 Degrees Celsius
41.0 %



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Test Date: 13 August 2008

File Name: [Edge On Left OFDM 5.8 GHz WiFi Antenna C -2dB Attenuation 13-08-08.da4](#)

DUT: Fujitsu Tablet Cutlas with Shirley Peak 11abgn (3x3); Type: 533AN_HMW; Serial: 0016EA042224

* Communication System: OFDM 5770 MHz; Frequency: 5745 MHz; Duty Cycle: 1:1

* Medium parameters used: $f = 5742.4$ MHz; $\sigma = 5.65$ mho/m; $\epsilon_r = 43.9$; $\rho = 1000$ kg/m³

- Electronics: DAE3 Sn442; Probe: EX3DV4 - SN3563; ConvF(3.71, 3.71, 3.71)

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

Channel 149 Test/Area Scan (81x121x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.625 mW/g

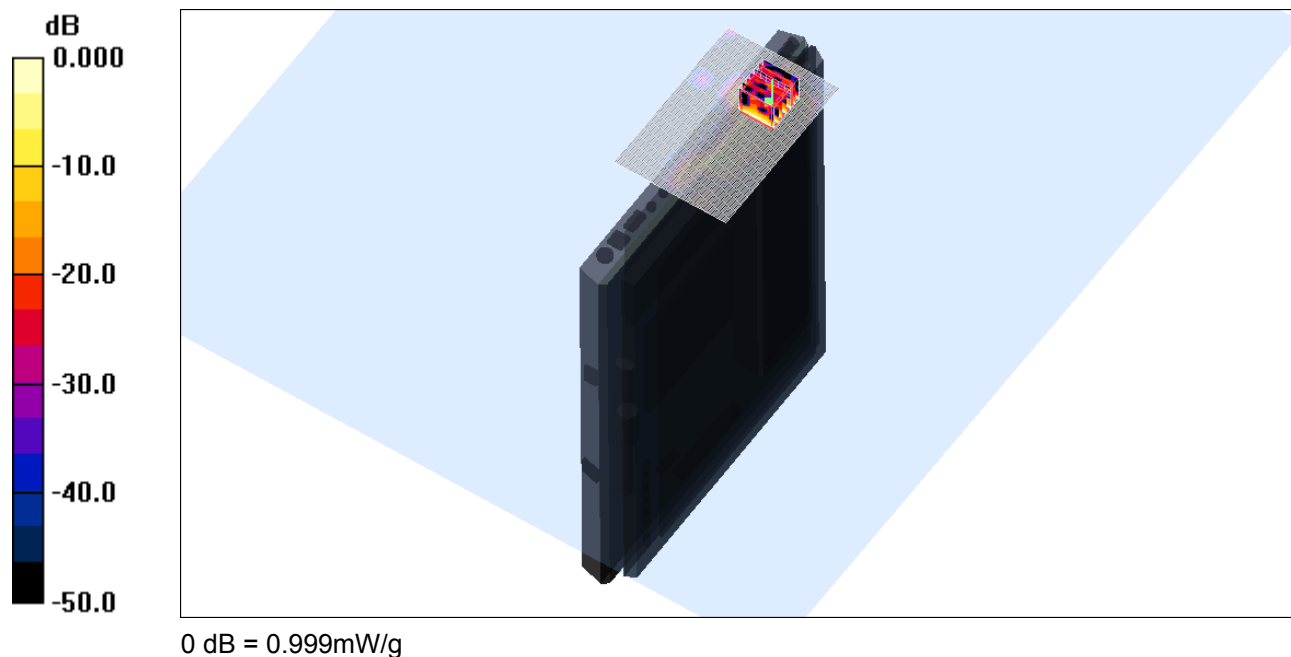
Channel 149 Test/Zoom Scan (7x7x8)/Cube 0: Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm

Reference Value = 12.5 V/m; Power Drift = 0.493 dB

Peak SAR (extrapolated) = 2.14 W/kg

SAR(1 g) = 0.442 mW/g; SAR(10 g) = 0.122 mW/g

Maximum value of SAR (measured) = 0.999 mW/g



SAR MEASUREMENT PLOT 12

Ambient Temperature
Liquid Temperature
Humidity

21.8 Degrees Celsius
21.4 Degrees Celsius
41.0 %



Test Date: 13 August 2008

File Name: [Edge On Left OFDM 5.8 GHz WiFi Antenna C -2dB Attenuation 13-08-08.da4](#)

DUT: Fujitsu Tablet Cutlas with Shirley Peak 11abgn (3x3); Type: 533AN_HMW; Serial: 0016EA042224

* Communication System: OFDM 5770 MHz; Frequency: 5785 MHz; Duty Cycle: 1:1

* Medium parameters used: $f = 5786.2$ MHz; $\sigma = 5.73$ mho/m; $\epsilon_r = 43.8$; $\rho = 1000$ kg/m³

- Electronics: DAE3 Sn442; Probe: EX3DV4 - SN3563; ConvF(3.71, 3.71, 3.71)

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

Channel 157 Test/Area Scan (81x121x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.561 mW/g

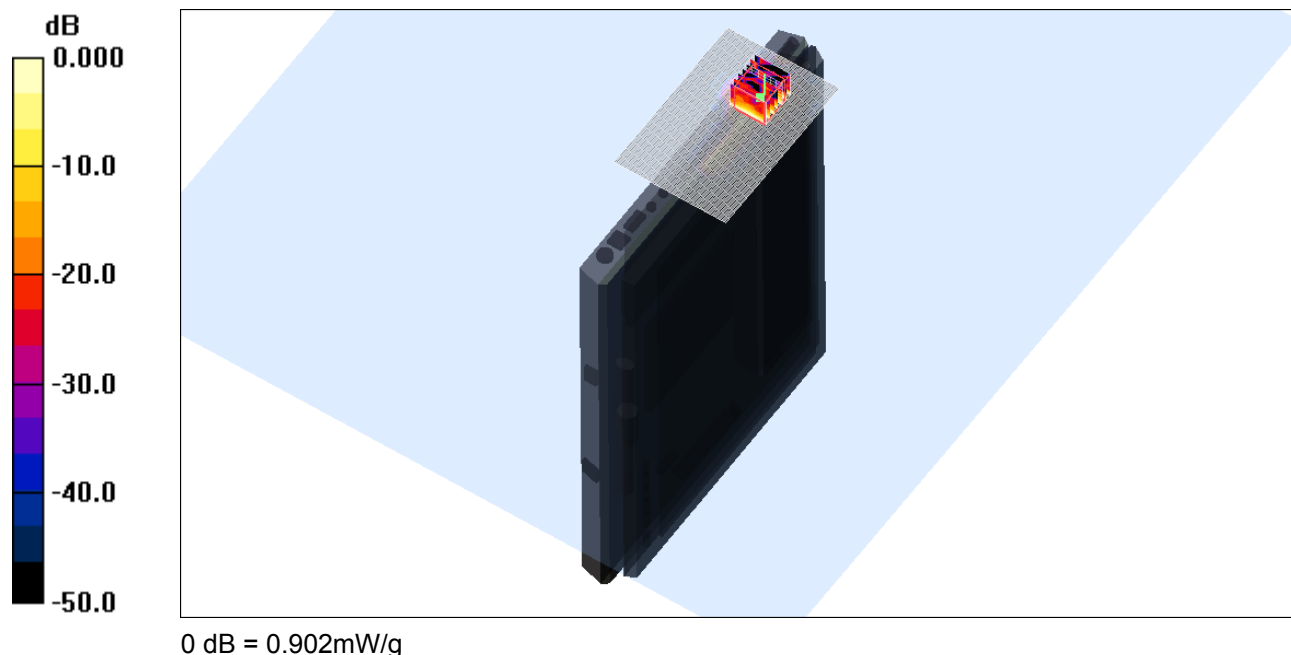
Channel 157 Test/Zoom Scan (7x7x8)/Cube 0: Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm

Reference Value = 8.43 V/m; Power Drift = -0.166 dB

Peak SAR (extrapolated) = 2.00 W/kg

SAR(1 g) = 0.425 mW/g; SAR(10 g) = 0.123 mW/g

Maximum value of SAR (measured) = 0.902 mW/g



SAR MEASUREMENT PLOT 13

Ambient Temperature
Liquid Temperature
Humidity

21.8 Degrees Celsius
21.4 Degrees Celsius
41.0 %



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Test Date: 13 August 2008

File Name: [Edge On Left OFDM 5.8 GHz WiFi Antenna C -2dB Attenuation 13-08-08.da4](#)

DUT: Fujitsu Tablet Cutlas with Shirley Peak 11abgn (3x3); Type: 533AN_HMW; Serial: 0016EA042224

* Communication System: OFDM 5770 MHz; Frequency: 5825 MHz; Duty Cycle: 1:1

* Medium parameters used: $f = 5830$ MHz; $\sigma = 5.78$ mho/m; $\epsilon_r = 43.8$; $\rho = 1000$ kg/m³

- Electronics: DAE3 Sn442; Probe: EX3DV4 - SN3563; ConvF(3.71, 3.71, 3.71)

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

Channel 165 Test/Area Scan (81x121x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.748 mW/g

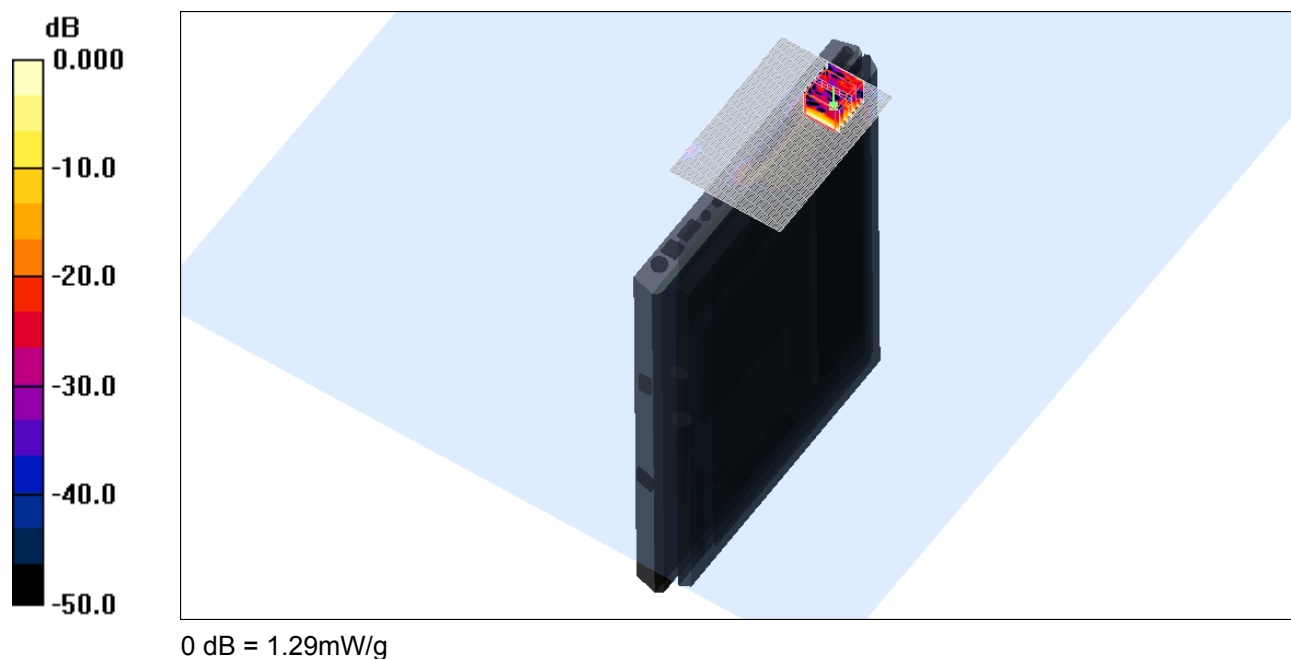
Channel 165 Test/Zoom Scan (7x7x8)/Cube 0: Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm

Reference Value = 10.6 V/m; Power Drift = 0.201 dB

Peak SAR (extrapolated) = 2.70 W/kg

SAR(1 g) = 0.527 mW/g; SAR(10 g) = 0.139 mW/g

Maximum value of SAR (measured) = 1.29 mW/g



SAR MEASUREMENT PLOT 14

Ambient Temperature
Liquid Temperature
Humidity

21.8 Degrees Celsius
21.4 Degrees Celsius
41.0 %

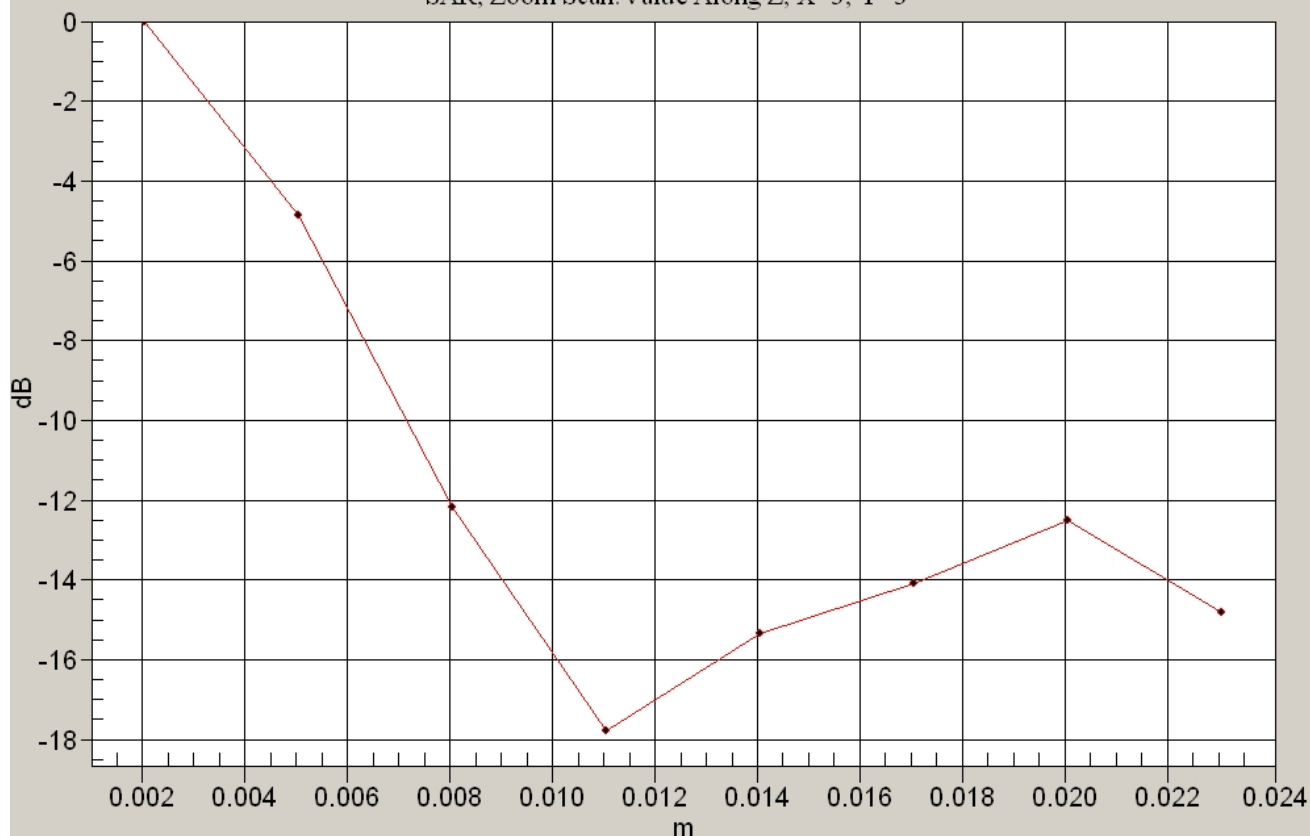


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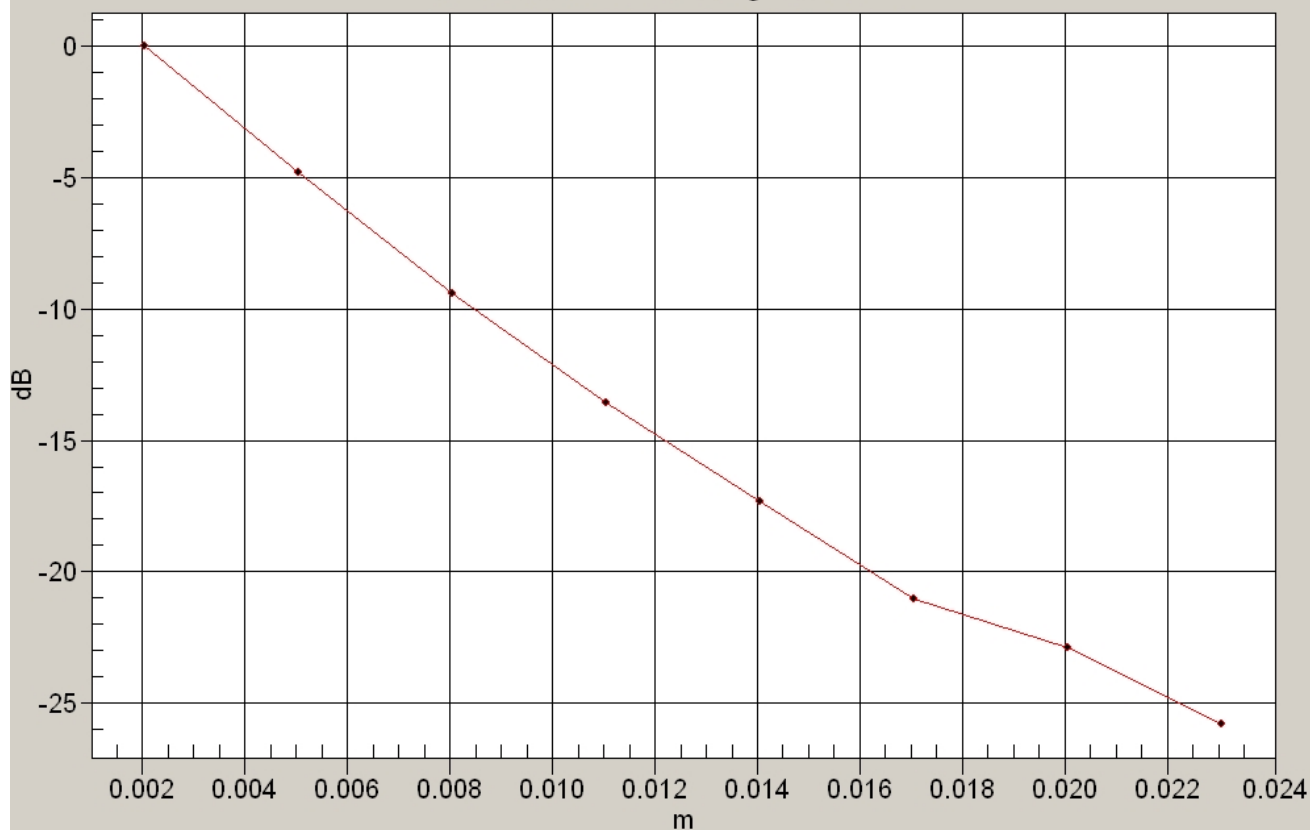
1g/10g Averaged SAR Edge On Right OFDM Channel 157 Antenna A Test 1

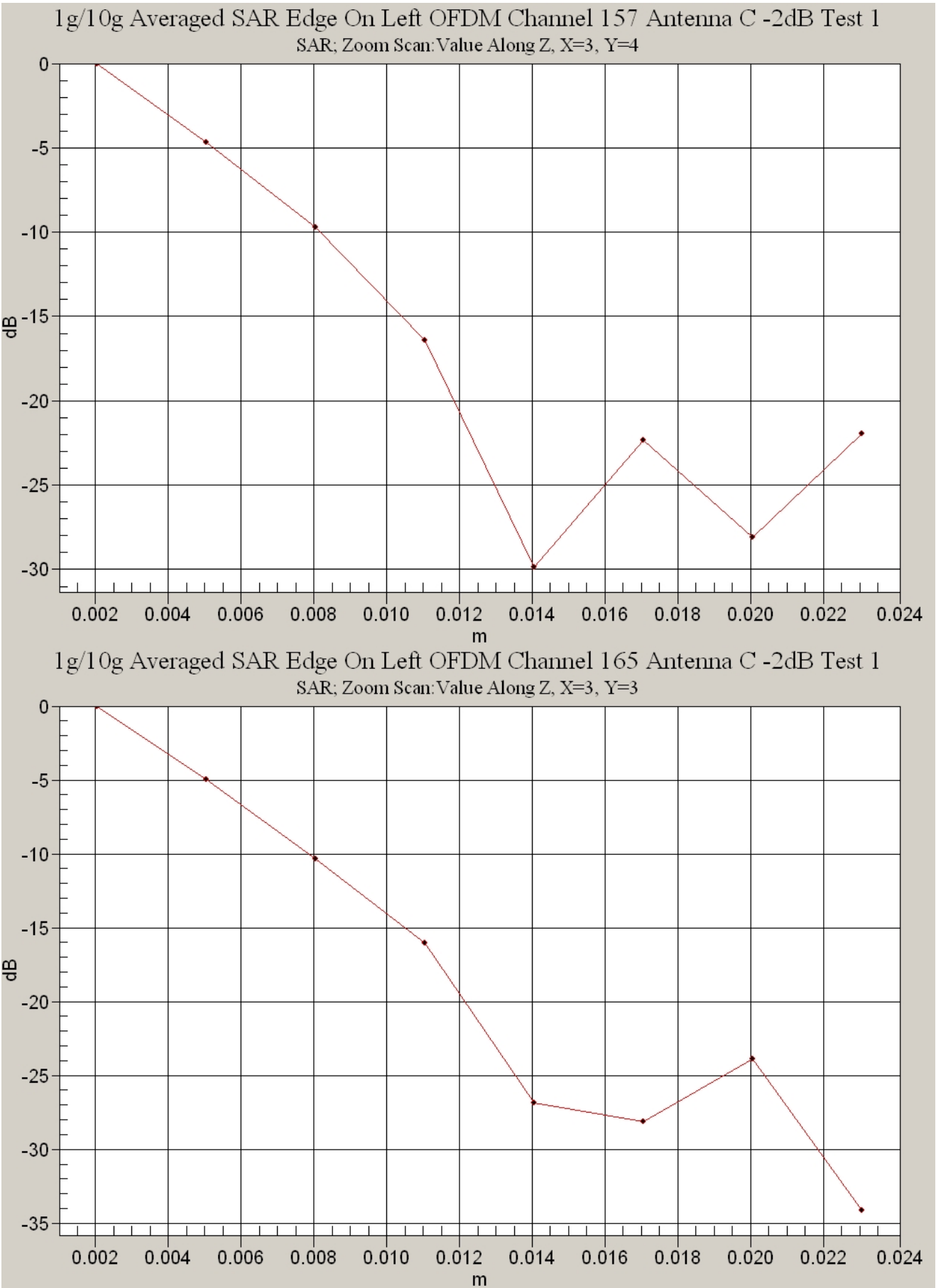
SAR; Zoom Scan: Value Along Z, X=3, Y=3



1g/10g Averaged SAR Edge On Left OFDM Channel 149 Antenna C -2dB Test 1

SAR; Zoom Scan: Value Along Z, X=3, Y=4





Test Date: 05 August 2008

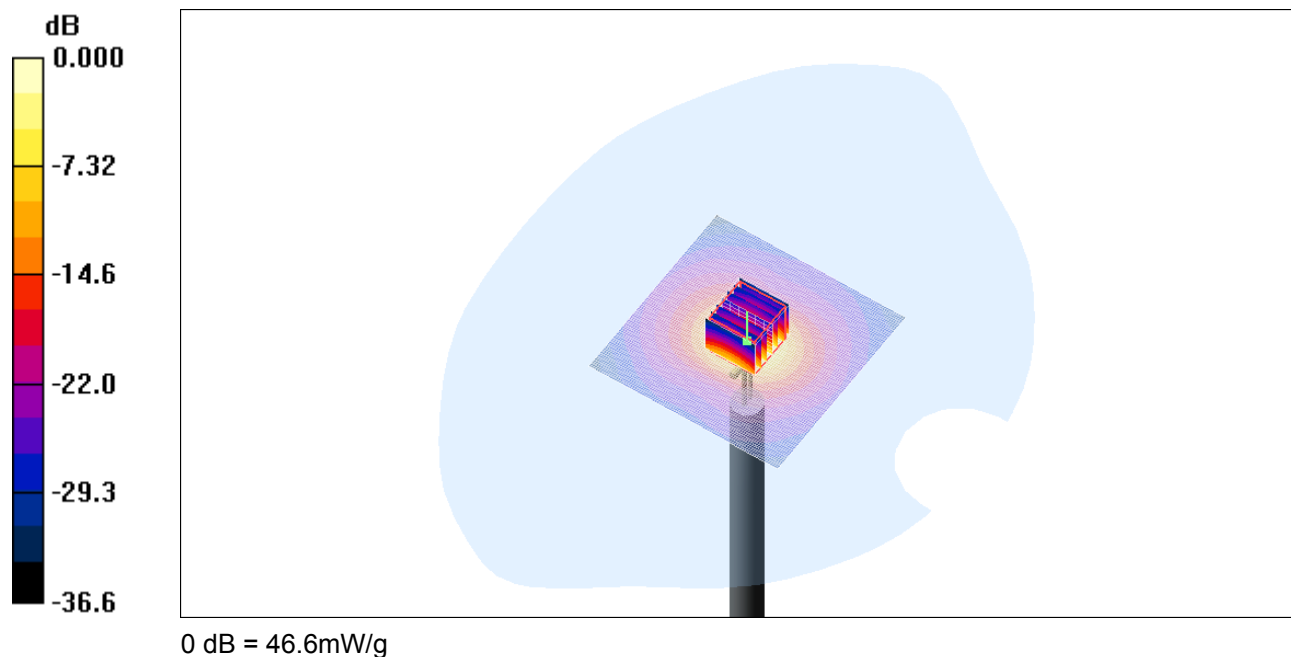
File Name: [Validation 5200MHz \(DAE 442 Probe EX3DV4\) 05-08-08.da4](#)

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

- * Communication System: CW 5200 MHz; Frequency: 5200 MHz; Duty Cycle: 1:1
- * Medium parameters used: $f = 5202.2$ MHz; $\sigma = 4.67$ mho/m; $\epsilon_r = 35.8$; $\rho = 1000$ 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) = 48.1 mW/g

Channel 1 Test/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 106.1 V/m; Power Drift = 0.037 dB
Peak SAR (extrapolated) = 86.4 W/kg
SAR(1 g) = 22.4 mW/g; SAR(10 g) = 6.38 mW/g
Maximum value of SAR (measured) = 46.6 mW/g



SAR MEASUREMENT PLOT 15

Ambient Temperature
Liquid Temperature
Humidity

20.3 Degrees Celsius
20.2 Degrees Celsius
34.0 %



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Test Date: 26 June 2008

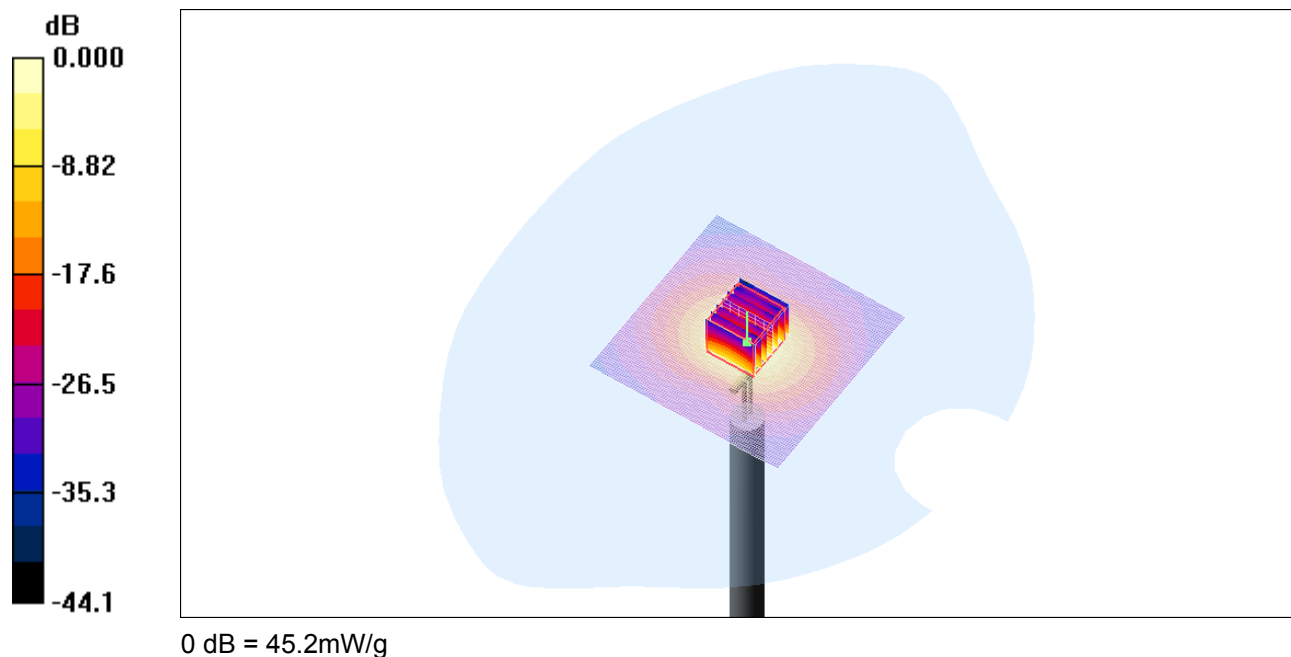
File Name: [Validation 5500MHz \(DAE 442 Probe EX3DV4\) 26-06-08.da4](#)

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; $\sigma = 5.19$ mho/m; $\epsilon_r = 36.8$; $\rho = 1000$ kg/m³
- Electronics: DAE3 Sn442; Probe: EX3DV4 - SN3563; ConvF(4.03, 4.03, 4.03)
- 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 = 97.8 V/m; Power Drift = 0.127 dB
Peak SAR (extrapolated) = 88.9 W/kg
SAR(1 g) = 21.4 mW/g; SAR(10 g) = 6.05 mW/g
Maximum value of SAR (measured) = 45.2 mW/g



SAR MEASUREMENT PLOT 16

Ambient Temperature
Liquid Temperature
Humidity

20.2 Degrees Celsius
20.0 Degrees Celsius
47.0 %



Test Date: 01 August 2008

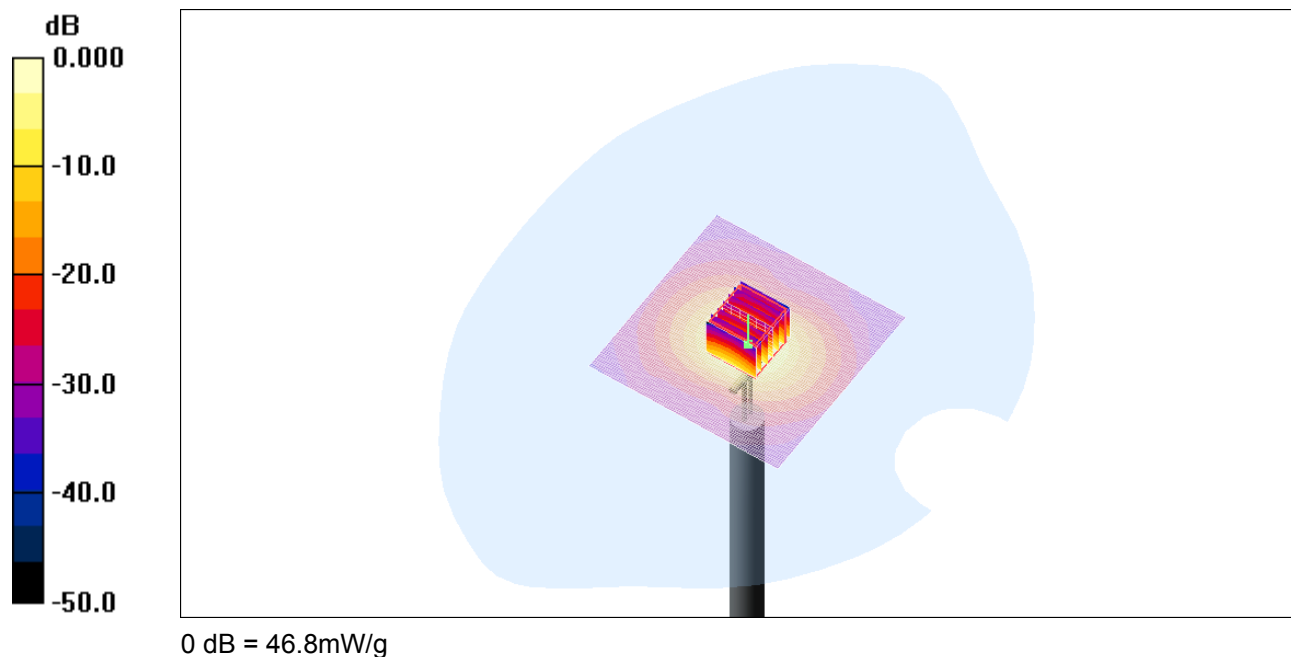
File Name: [Validation 5500MHz \(DAE 442 Probe EX3DV4\) 01-08-08.da4](#)

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; $\epsilon_r = 34.9$; $\rho = 1000$ kg/m³
- Electronics: DAE3 Sn442; Probe: EX3DV4 - SN3563; ConvF(4, 4, 4)
- 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) = 46.8 mW/g

Channel 1 Test/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 101.1 V/m; Power Drift = -0.100 dB
Peak SAR (extrapolated) = 92.2 W/kg
SAR(1 g) = 22.1 mW/g; SAR(10 g) = 6.22 mW/g
Maximum value of SAR (measured) = 46.8 mW/g



SAR MEASUREMENT PLOT 17

Ambient Temperature
Liquid Temperature
Humidity

20.2 Degrees Celsius
19.9 Degrees Celsius
42.0 %



Test Date: 13 August 2008

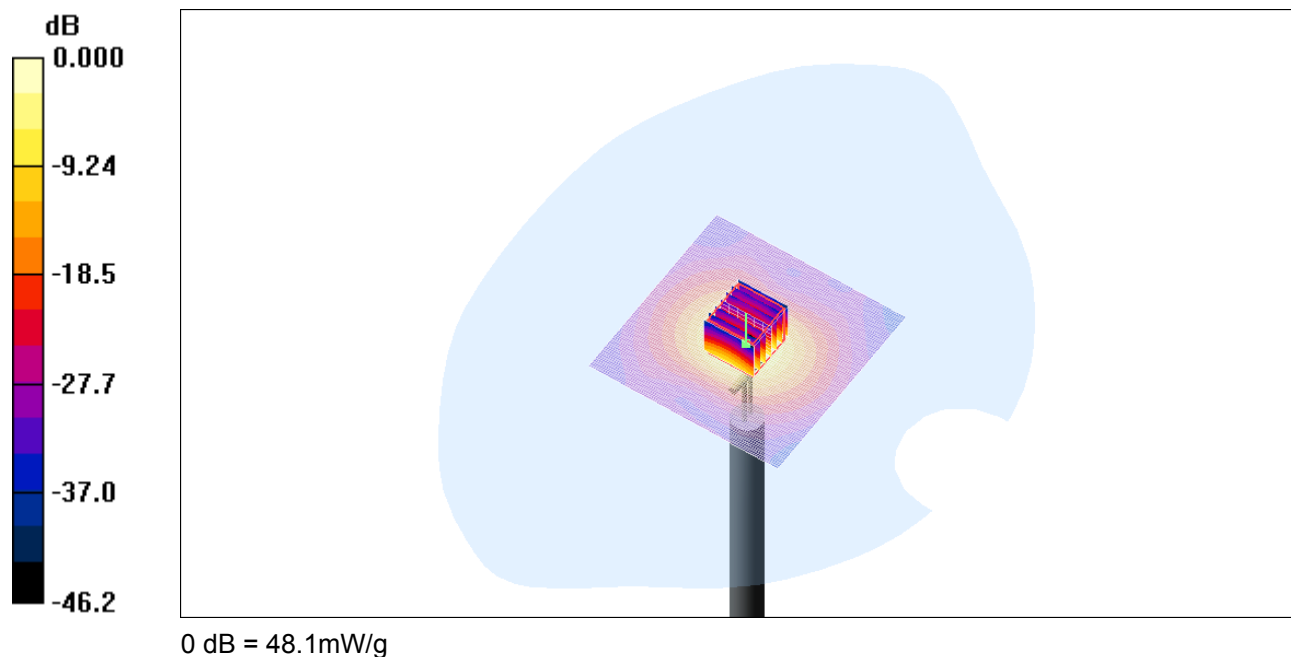
File Name: [Validation 5800MHz \(DAE 442 Probe EX3DV4\) 13-08-08.da4](#)

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; $\sigma = 5.35$ mho/m; $\epsilon_r = 34.2$; $\rho = 1000$ kg/m³
- Electronics: DAE3 Sn442; Probe: EX3DV4 - SN3563; ConvF(3.87, 3.87, 3.87)
- 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) = 47.8 mW/g

Channel 1 Test/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 99.9 V/m; Power Drift = 0.114 dB
Peak SAR (extrapolated) = 98.7 W/kg
SAR(1 g) = 22.5 mW/g; SAR(10 g) = 6.34 mW/g
Maximum value of SAR (measured) = 48.1 mW/g



SAR MEASUREMENT PLOT 18

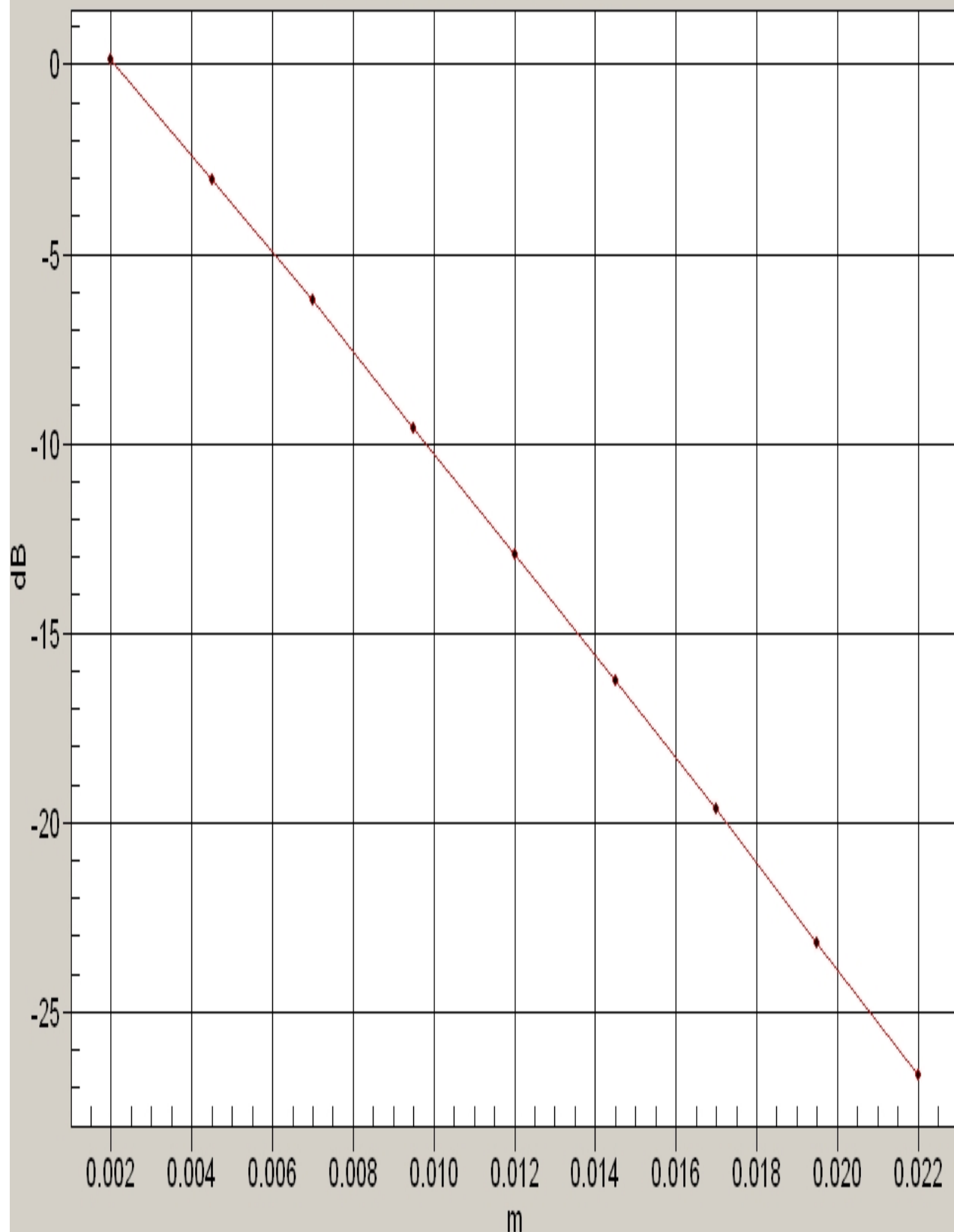
Ambient Temperature
Liquid Temperature
Humidity

21.8 Degrees Celsius
21.4 Degrees Celsius
41.0 %



1g/10g Averaged SAR Validation 05-08-08

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



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