

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
Tablet	1	Aux	OFDM HT0	40	54
Tablet	2	Main	OFDM HT0	40	54
Edge On Side	3	Aux	OFDM HT0	40	54
Edge On Side	4	Aux	OFDM HT0	40	38
Edge On Side	5	Aux	OFDM HT0	40	62
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 Side	6	Aux	OFDM HT0	40	118
Tablet	7	Aux	OFDM HT0	40	118
Tablet	8	Main	OFDM HT0	40	118
Edge On Side	9	Aux	OFDM HT0	40	102
Edge On Side	10	Aux	OFDM HT0	40	134
Z-Axis graphs for Plots 6 to 10					

Table: 5800 MHz Band SAR Measurement Plot Numbers

Test Position	Plot No.	Ant	Bit rate Mode (Mbps)	Channel Bandwidth (MHz)	Test Channel
Tablet	11	Main	OFDM	40	159
Tablet	12	Aux	OFDM	40	159
Edge On Side	13	Aux	OFDM	40	159
Edge On Side	14	Aux	OFDM	40	151
Z-Axis graphs for Plots 11 to 14					

Table: Validation Plots

Plot 15	Validation 5200 MHz - 20 th May 2008
Plot 16	Validation 5500 MHz - 21 st May 2008
Plot 17	Validation 5800 MHz - 22 nd May 2008
Z-Axis graphs for Plots 15 to 17	



Test Date: 20 May 2008

File Name: [Tablet OFDM HT0 \(40MHz\) 5.2 GHz Ant Aux Bluetooth Off 20-05-08.da4](#)

DUT: Fujitsu Notebook Seneca LC with Atheros 11abgn and Bluetooth; Type: HB92; Serial: MAC: 001B9E-C85143

* Communication System: OFDM 5250 MHz; Frequency: 5270 MHz; Duty Cycle: 1:1

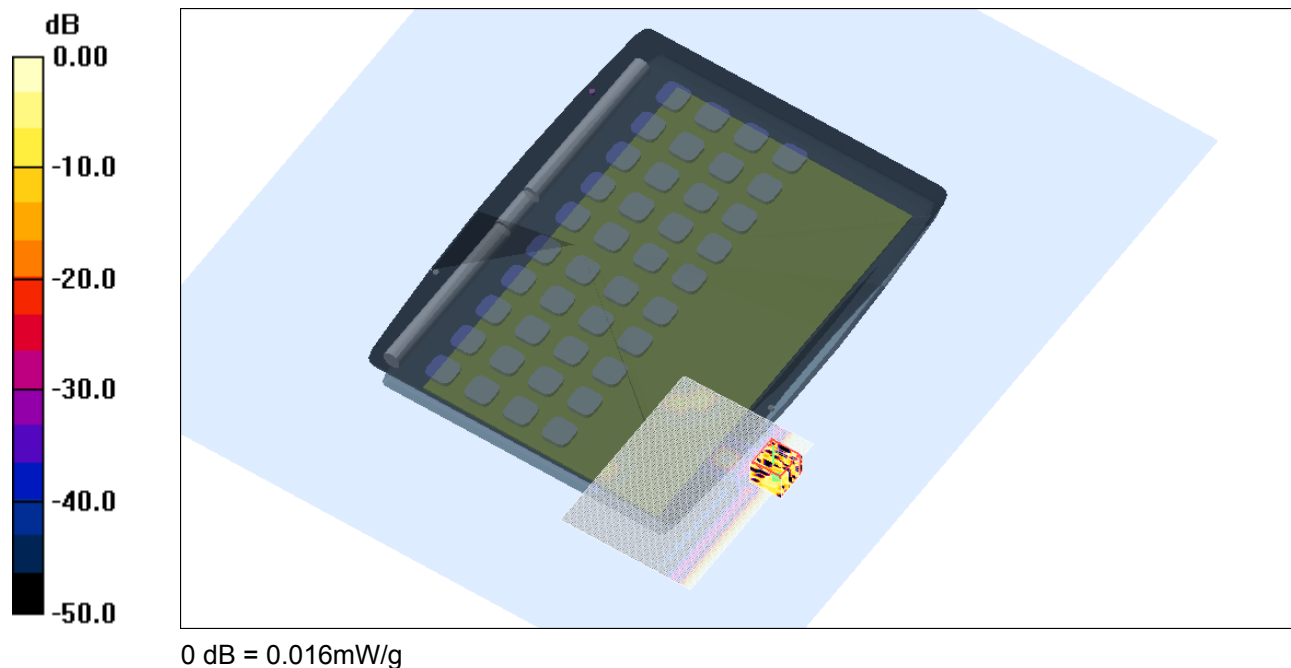
* Medium parameters used: $\sigma = 5.06506$ mho/m, $\epsilon_r = 44.7485$; $\rho = 1000$ kg/m³

- Electronics: DAE3 Sn442; Probe: EX3DV4 - SN3563; ConvF(3.79, 3.79, 3.79)

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

Channel 054 Test/Area Scan (101x141x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.117 mW/g

Channel 054 Test/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 3.28 V/m; Power Drift = 0.172 dB
Peak SAR (extrapolated) = 0.027 W/kg
SAR(1 g) = 0.000573 mW/g; SAR(10 g) = 5.4e-005 mW/g
Maximum value of SAR (measured) = 0.016 mW/g



SAR MEASUREMENT PLOT 1

Ambient Temperature
Liquid Temperature
Humidity

21.6 Degrees Celsius
21.3 Degrees Celsius
46.0 %



Test Date: 20 May 2008

File Name: [Tablet OFDM HT0 \(40MHz\) 5.2 GHz Ant Main Bluetooth Off 20-05-08.da4](#)

DUT: Fujitsu Notebook Seneca LC with Atheros 11abgn and Bluetooth; Type: HB92; Serial: MAC: 001B9E-C85143

* Communication System: OFDM 5250 MHz; Frequency: 5270 MHz; Duty Cycle: 1:1

* Medium parameters used: $\sigma = 5.06506$ mho/m, $\epsilon_r = 44.7485$; $\rho = 1000$ kg/m³

- Electronics: DAE3 Sn442; Probe: EX3DV4 - SN3563; ConvF(3.79, 3.79, 3.79)

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

Channel 054 Test/Area Scan (101x141x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.117 mW/g

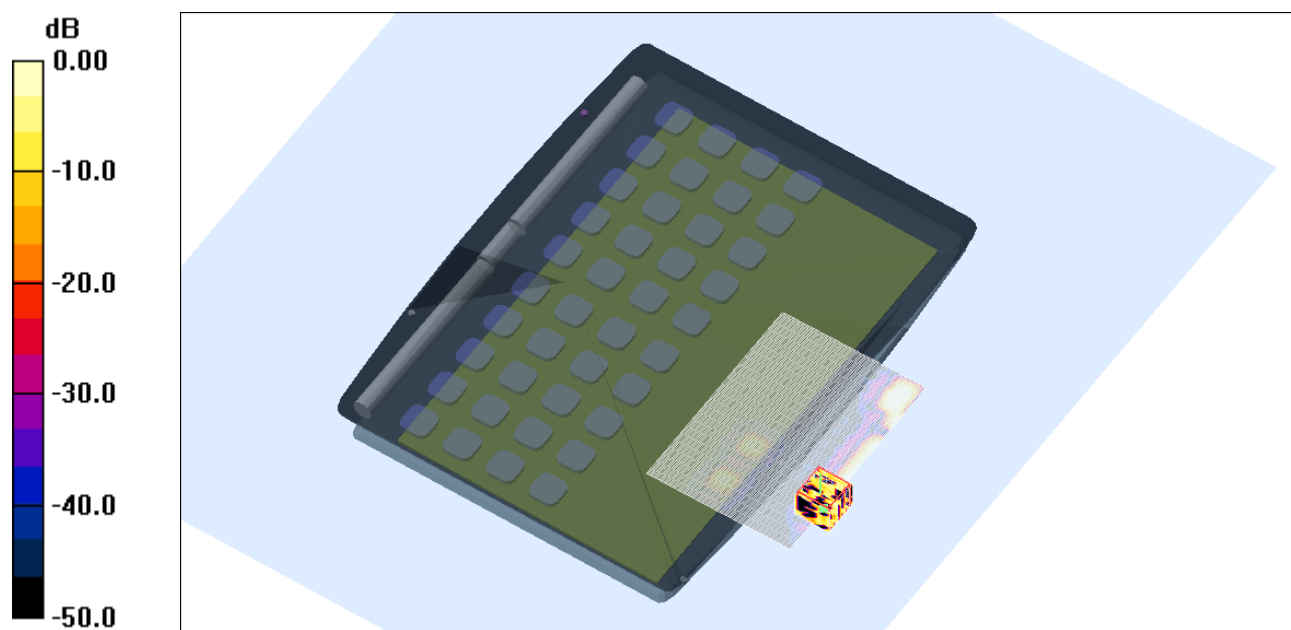
Channel 054 Test/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 3.46 V/m; Power Drift = 0.434 dB

Peak SAR (extrapolated) = 0.029 W/kg

SAR(1 g) = 0.000478 mW/g; SAR(10 g) = 0.000101 mW/g

Maximum value of SAR (measured) = 0.021 mW/g



0 dB = 0.021mW/g

SAR MEASUREMENT PLOT 2

Ambient Temperature
Liquid Temperature
Humidity

21.6 Degrees Celsius
21.3 Degrees Celsius
46.0 %



Test Date: 20 May 2008

File Name: [Edge On Side OFDM HT0 \(40MHz\) 5.2 GHz Ant Aux Bluetooth Off 20-05-08.da4](#)

DUT: Fujitsu Notebook Seneca LC with Atheros 11abgn and Bluetooth; Type: HB92; Serial: MAC: 001B9E-C85143

* Communication System: OFDM 5250 MHz; Frequency: 5270 MHz; Duty Cycle: 1:1

* Medium parameters used: $\sigma = 5.06506$ mho/m, $\epsilon_r = 44.7485$; $\rho = 1000$ kg/m³

- Electronics: DAE3 Sn442; Probe: EX3DV4 - SN3563; ConvF(3.79, 3.79, 3.79)

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

Channel 054 Test/Area Scan (101x141x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.111 mW/g

Channel 054 Test/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 4.61 V/m; Power Drift = -0.168 dB

Peak SAR (extrapolated) = 0.142 W/kg

SAR(1 g) = 0.124 mW/g; SAR(10 g) = 0.112 mW/g

Maximum value of SAR (measured) = 0.142 mW/g



0 dB = 0.142mW/g

SAR MEASUREMENT PLOT 3

Ambient Temperature
Liquid Temperature
Humidity

21.6 Degrees Celsius
21.3 Degrees Celsius
46.0 %



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Test Date: 20 May 2008

File Name: [Edge On Side OFDM HT0 \(40MHz\) 5.2 GHz Ant Aux Bluetooth Off 20-05-08.da4](#)

DUT: Fujitsu Notebook Seneca LC with Atheros 11abgn and Bluetooth; Type: HB92; Serial: MAC: 001B9E-C85143

* Communication System: OFDM 5250 MHz; Frequency: 5190 MHz; Duty Cycle: 1:1

* Medium parameters used: $\sigma = 4.92336$ mho/m, $\epsilon_r = 44.8601$; $\rho = 1000$ kg/m³

- Electronics: DAE3 Sn442; Probe: EX3DV4 - SN3563; ConvF(3.79, 3.79, 3.79)

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

Channel 038 Test/Area Scan (101x141x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.113 mW/g

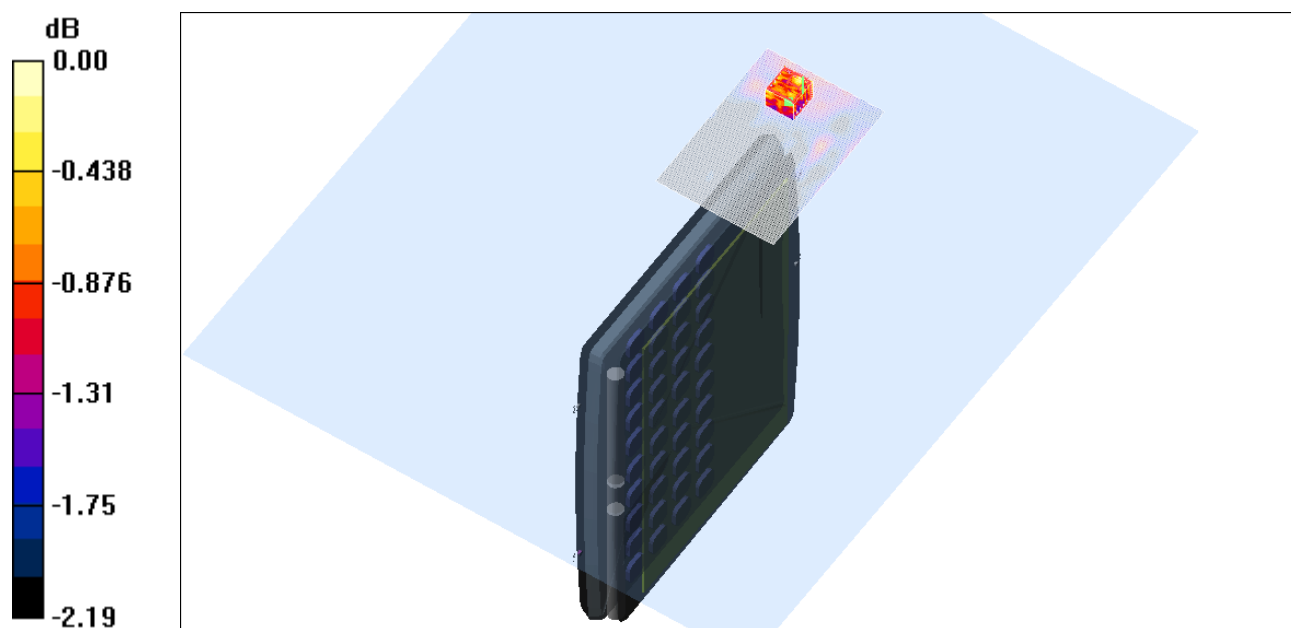
Channel 038 Test/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 4.35 V/m; Power Drift = -0.090 dB

Peak SAR (extrapolated) = 0.136 W/kg

SAR(1 g) = 0.117 mW/g; SAR(10 g) = 0.107 mW/g

Maximum value of SAR (measured) = 0.136 mW/g



0 dB = 0.136mW/g

SAR MEASUREMENT PLOT 4

Ambient Temperature
Liquid Temperature
Humidity

21.6 Degrees Celsius
21.3 Degrees Celsius
46.0 %



Test Date: 20 May 2008

File Name: [Edge On Side OFDM HT0 \(40MHz\) 5.2 GHz Ant Aux Bluetooth Off 20-05-08.da4](#)

DUT: Fujitsu Notebook Seneca LC with Atheros 11abgn and Bluetooth; Type: HB92; Serial: MAC: 001B9E-C85143

* Communication System: OFDM 5250 MHz; Frequency: 5310 MHz; Duty Cycle: 1:1

* Medium parameters used: $\sigma = 5.12422$ mho/m, $\epsilon_r = 44.7455$; $\rho = 1000$ kg/m³

- Electronics: DAE3 Sn442; Probe: EX3DV4 - SN3563; ConvF(3.79, 3.79, 3.79)

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

Channel 062 Test/Area Scan (101x141x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.119 mW/g

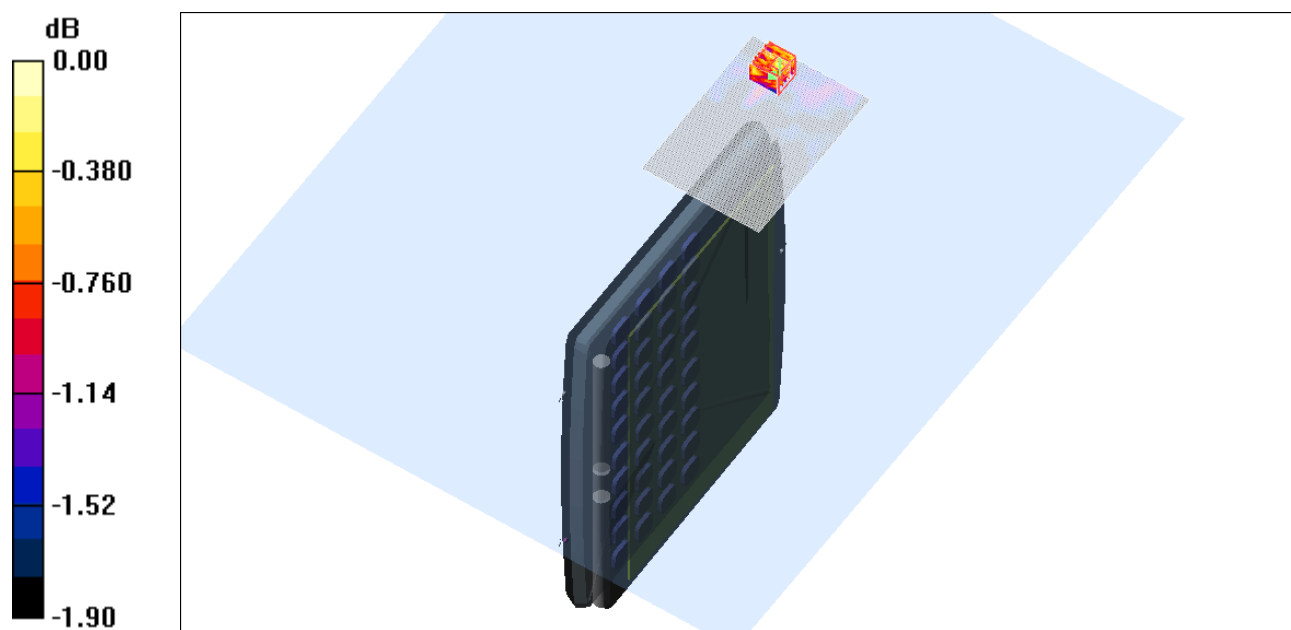
Channel 062 Test/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 4.52 V/m; Power Drift = 0.172 dB

Peak SAR (extrapolated) = 0.146 W/kg

SAR(1 g) = 0.130 mW/g; SAR(10 g) = 0.117 mW/g

Maximum value of SAR (measured) = 0.145 mW/g



0 dB = 0.145mW/g

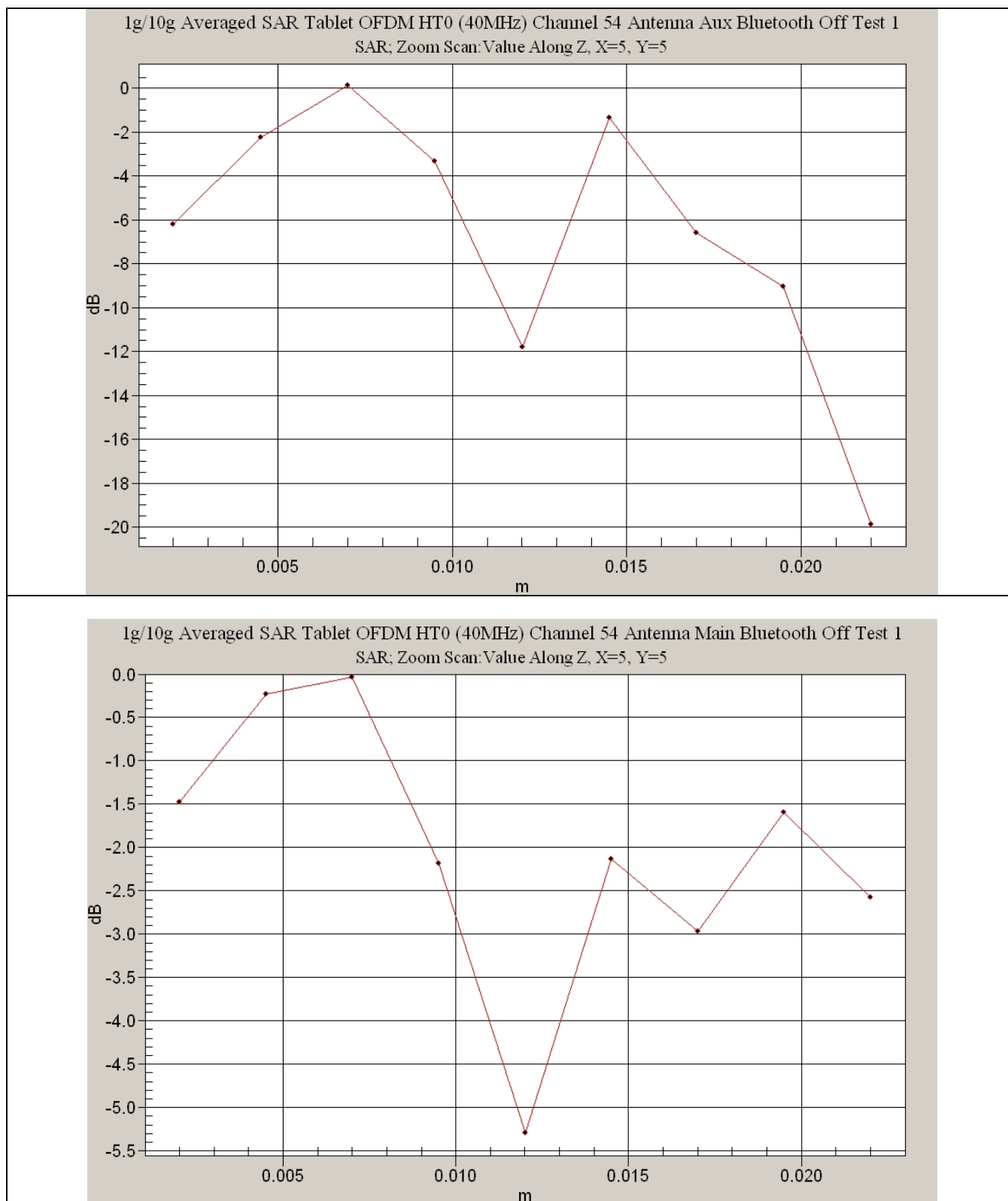
SAR MEASUREMENT PLOT 5

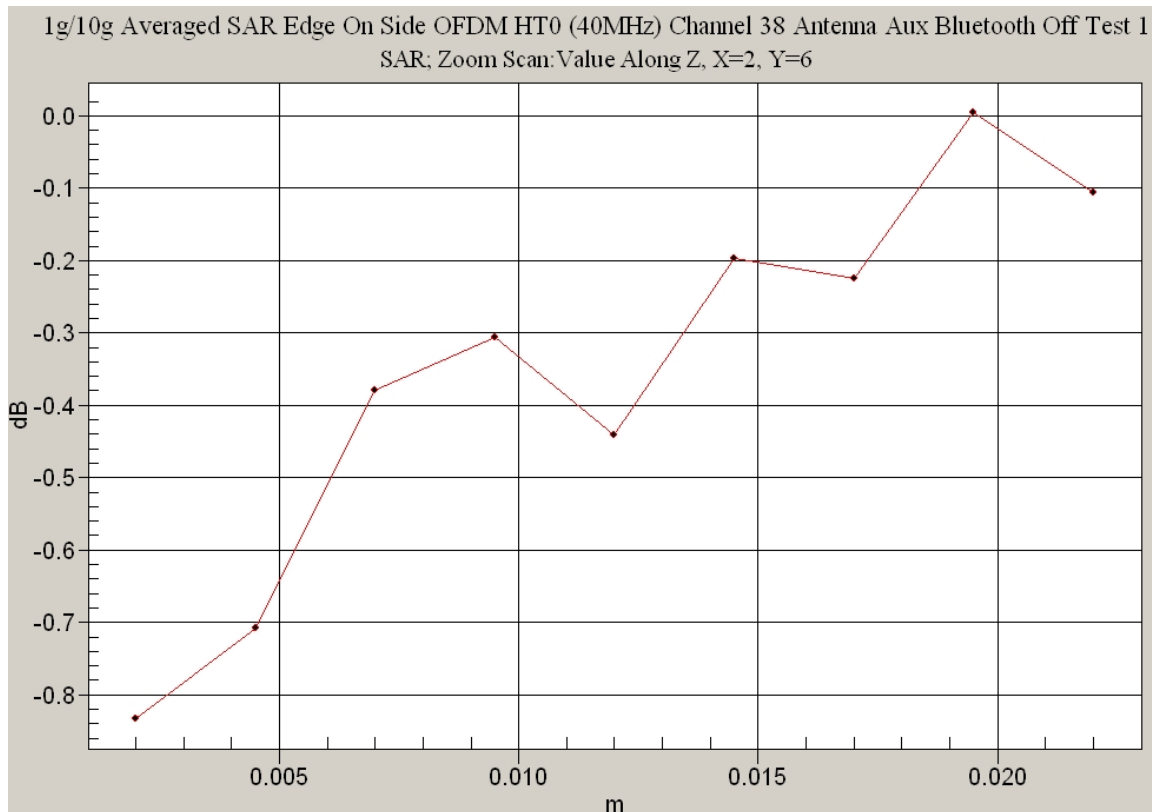
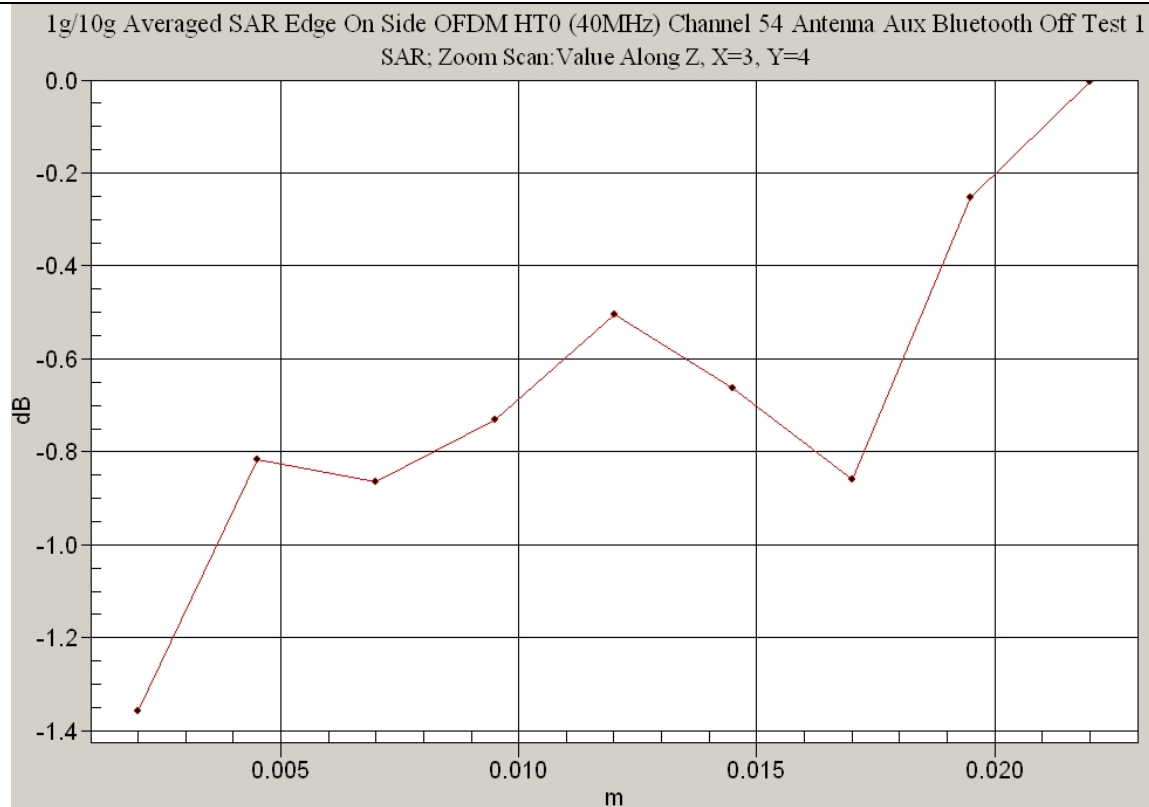
Ambient Temperature
Liquid Temperature
Humidity

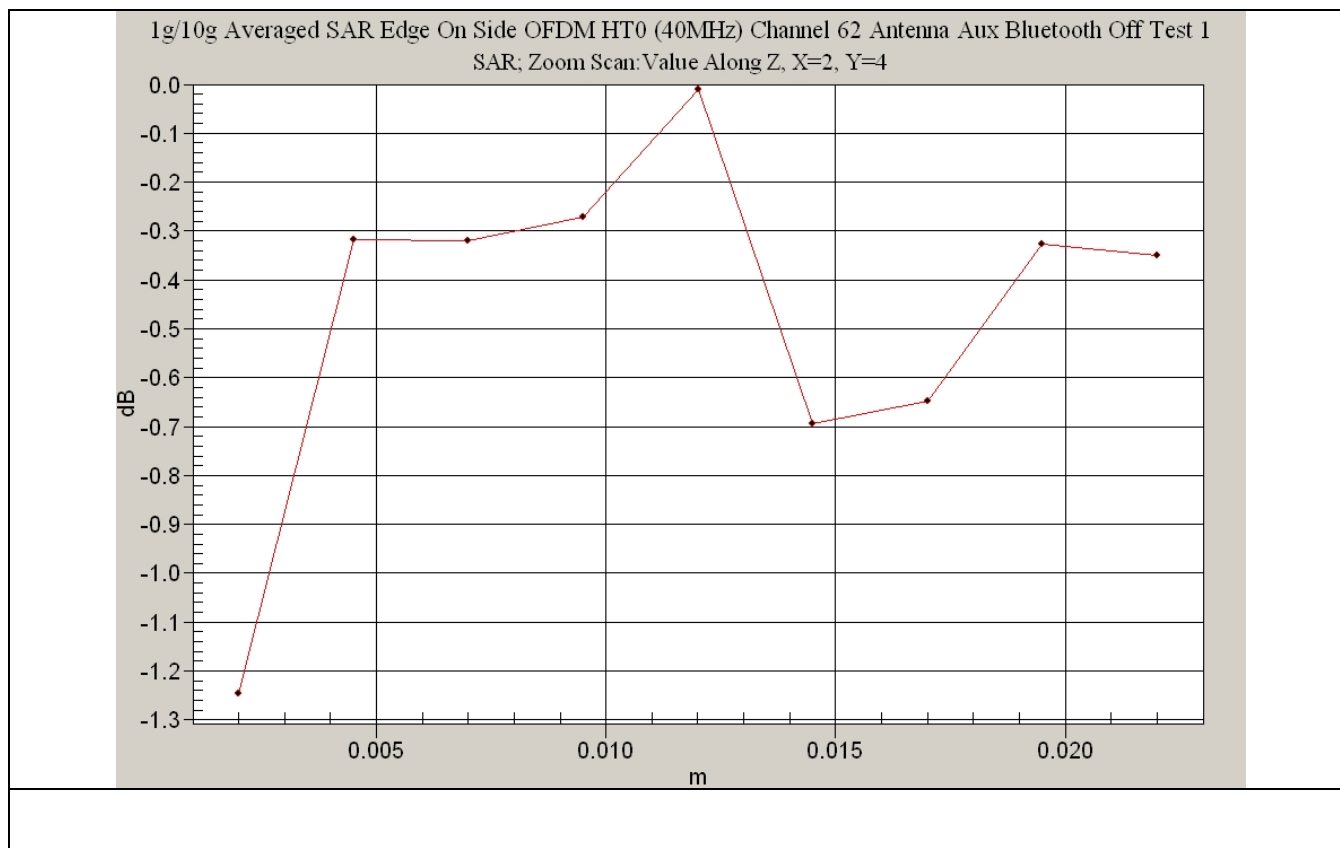
21.6 Degrees Celsius
21.3 Degrees Celsius
46.0 %



Z-AXIS PLOTS 1 - 5







Test Date: 21 May 2008

File Name: [Edge On Side OFDM HT0\(40MHz\) 5.6 GHz Ant Aux Bluetooth Off 21-05-08.da4](#)

DUT: Fujitsu Notebook Seneca LC with Atheros 11abgn and Bluetooth; Type: HB92; Serial: MAC: 001B9E-C85143

* Communication System: OFDM 5590 MHz; Frequency: 5590 MHz; Duty Cycle: 1:1

* Medium parameters used: $f = 5596$ MHz; $\sigma = 5.66$ mho/m; $\epsilon_r = 44.7$; $\rho = 1000$ 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 118 Test/Area Scan (101x141x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.121 mW/g

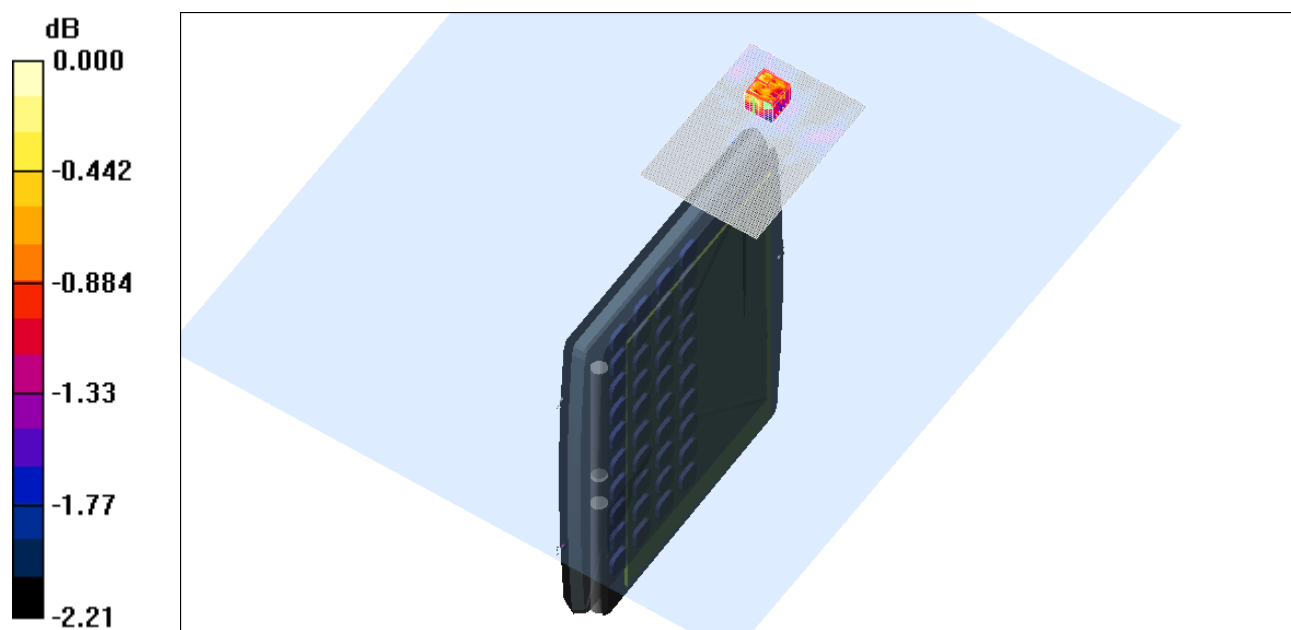
Channel 118 Test/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 4.53 V/m; Power Drift = 0.473 dB

Peak SAR (extrapolated) = 0.161 W/kg

SAR(1 g) = 0.138 mW/g; SAR(10 g) = 0.127 mW/g

Maximum value of SAR (measured) = 0.161 mW/g



Ambient Temperature
Liquid Temperature
Humidity

21.7 Degrees Celsius
21.4 Degrees Celsius
46.0 %



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Test Date: 21 May 2008

File Name: [Tablet OFDM HT0\(40MHz\) 5.6 GHz Ant Aux Bluetooth Off 21-05-08.da4](#)

DUT: Fujitsu Notebook Seneca LC with Atheros 11abgn and Bluetooth; Type: HB92; Serial: MAC: 001B9E-C85143

* Communication System: OFDM 5590 MHz; Frequency: 5590 MHz; Duty Cycle: 1:1

* Medium parameters used: $f = 5596$ MHz; $\sigma = 5.66$ mho/m; $\epsilon_r = 44.7$; $\rho = 1000$ 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 118 Test/Area Scan (101x141x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.108 mW/g

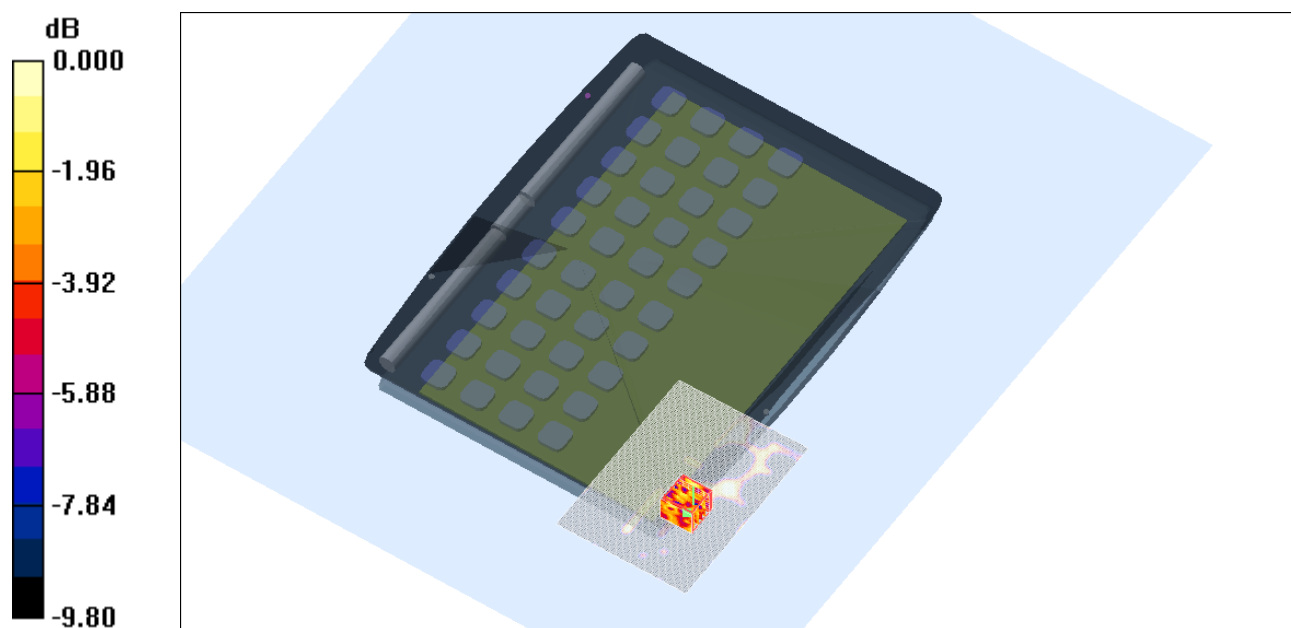
Channel 118 Test/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 2.35 V/m; Power Drift = -0.162 dB

Peak SAR (extrapolated) = 0.088 W/kg

SAR(1 g) = 0.031 mW/g; SAR(10 g) = 0.022 mW/g

Maximum value of SAR (measured) = 0.050 mW/g



0 dB = 0.050mW/g

SAR MEASUREMENT PLOT 7

Ambient Temperature
Liquid Temperature
Humidity

21.7 Degrees Celsius
21.4 Degrees Celsius
46.0 %



Test Date: 21 May 2008

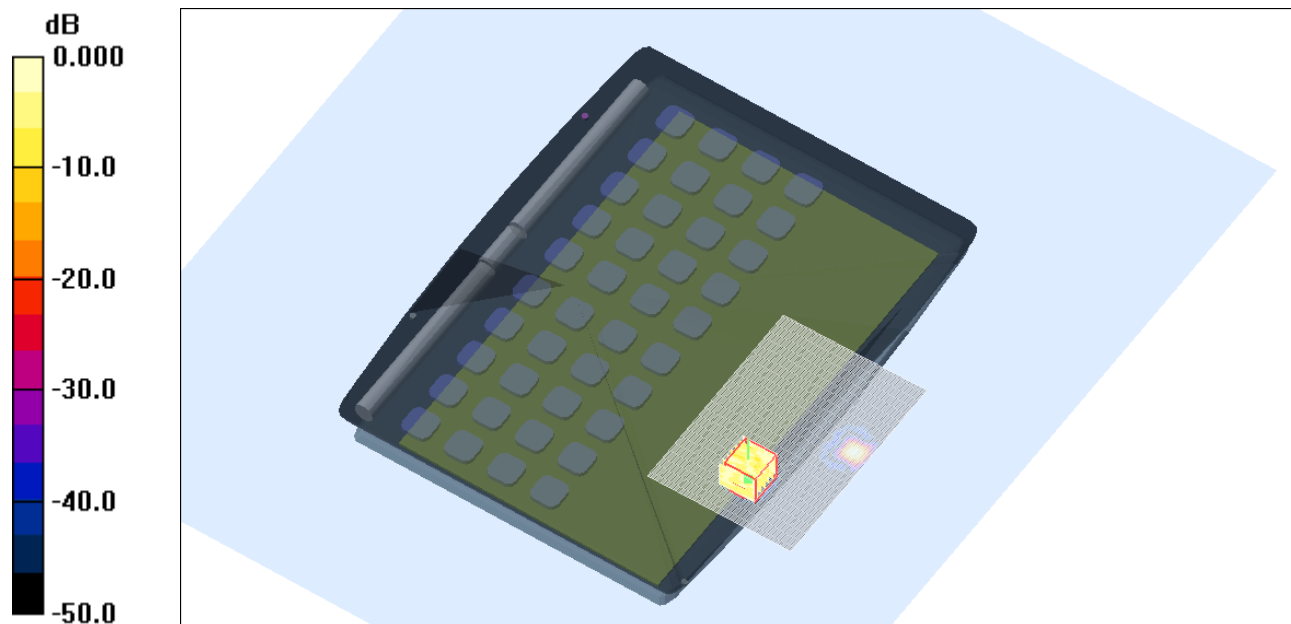
File Name: [Tablet OFDM HT0\(40MHz\) 5.6 GHz Ant Main Bluetooth Off 21-05-08.da4](#)

DUT: Fujitsu Notebook Seneca LC with Atheros 11abgn and Bluetooth; Type: HB92; Serial: MAC: 001B9E-C85143

- * Communication System: OFDM 5590 MHz; Frequency: 5590 MHz; Duty Cycle: 1:1
- * Medium parameters used: $f = 5596$ MHz; $\sigma = 5.66$ mho/m; $\epsilon_r = 44.7$; $\rho = 1000$ 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 118 Test/Area Scan (101x141x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.039 mW/g

Channel 118 Test/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 1.42 V/m; Power Drift = 0.295 dB
Peak SAR (extrapolated) = 0.123 W/kg
SAR(1 g) = 0.018 mW/g; SAR(10 g) = 0.011 mW/g
Maximum value of SAR (measured) = 0.044 mW/g



0 dB = 0.044mW/g

SAR MEASUREMENT PLOT 8

Ambient Temperature
Liquid Temperature
Humidity

21.7 Degrees Celsius
21.4 Degrees Celsius
46.0 %



Test Date: 21 May 2008

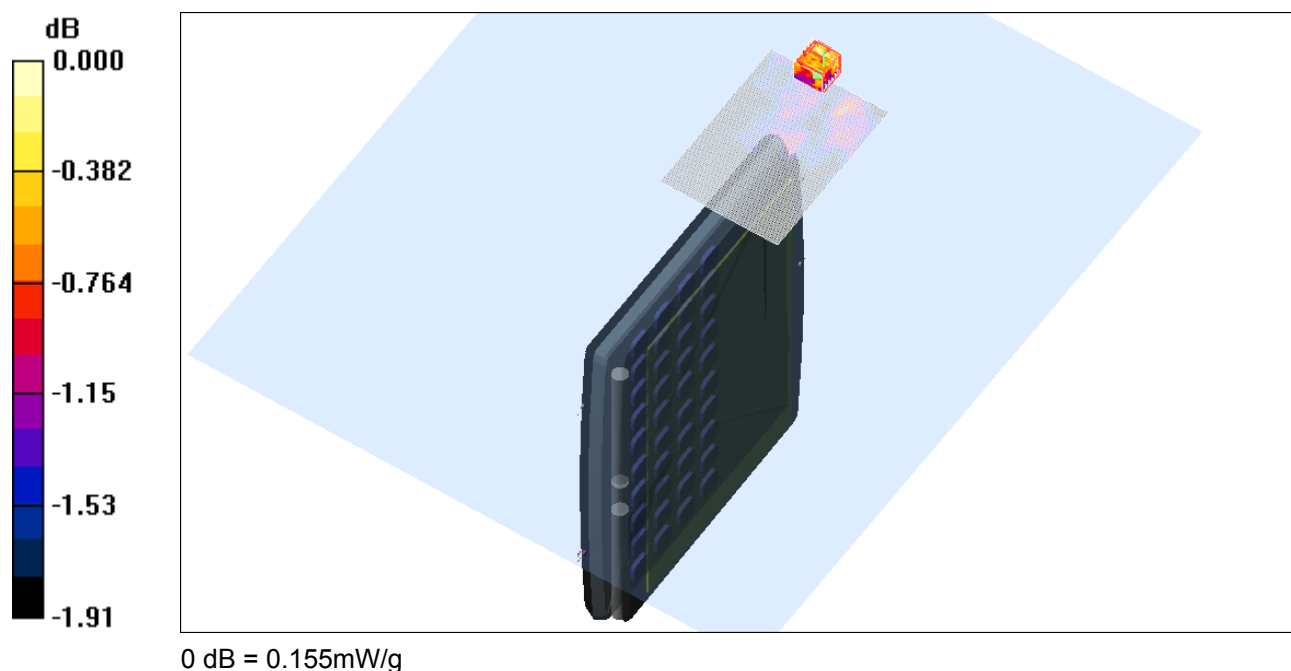
File Name: [Edge On Side OFDM HT0\(40MHz\) 5.6 GHz Ant Aux Bluetooth Off 21-05-08.da4](#)

DUT: Fujitsu Notebook Seneca LC with Atheros 11abgn and Bluetooth; Type: HB92; Serial: MAC: 001B9E-C85143

- * Communication System: OFDM 5590 MHz; Frequency: 5510 MHz; Duty Cycle: 1:1
- * Medium parameters used: $f = 5516$ MHz; $\sigma = 5.52$ mho/m; $\epsilon_r = 44.9$; $\rho = 1000$ 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 102 Test/Area Scan (101x141x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.132 mW/g

Channel 102 Test/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 4.46 V/m; Power Drift = 0.056 dB
Peak SAR (extrapolated) = 0.155 W/kg
SAR(1 g) = 0.139 mW/g; SAR(10 g) = 0.129 mW/g
Maximum value of SAR (measured) = 0.155 mW/g



SAR MEASUREMENT PLOT 9

Ambient Temperature
Liquid Temperature
Humidity

21.7 Degrees Celsius
21.4 Degrees Celsius
46.0 %



Test Date: 21 May 2008

File Name: [Edge On Side OFDM HT0\(40MHz\) 5.6 GHz Ant Aux Bluetooth Off 21-05-08.da4](#)

DUT: Fujitsu Notebook Seneca LC with Atheros 11abgn and Bluetooth; Type: HB92; Serial: MAC: 001B9E-C85143

* Communication System: OFDM 5590 MHz; Frequency: 5670 MHz; Duty Cycle: 1:1

* Medium parameters used: $f = 5676$ MHz; $\sigma = 5.8$ 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 134 Test/Area Scan (101x141x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.140 mW/g

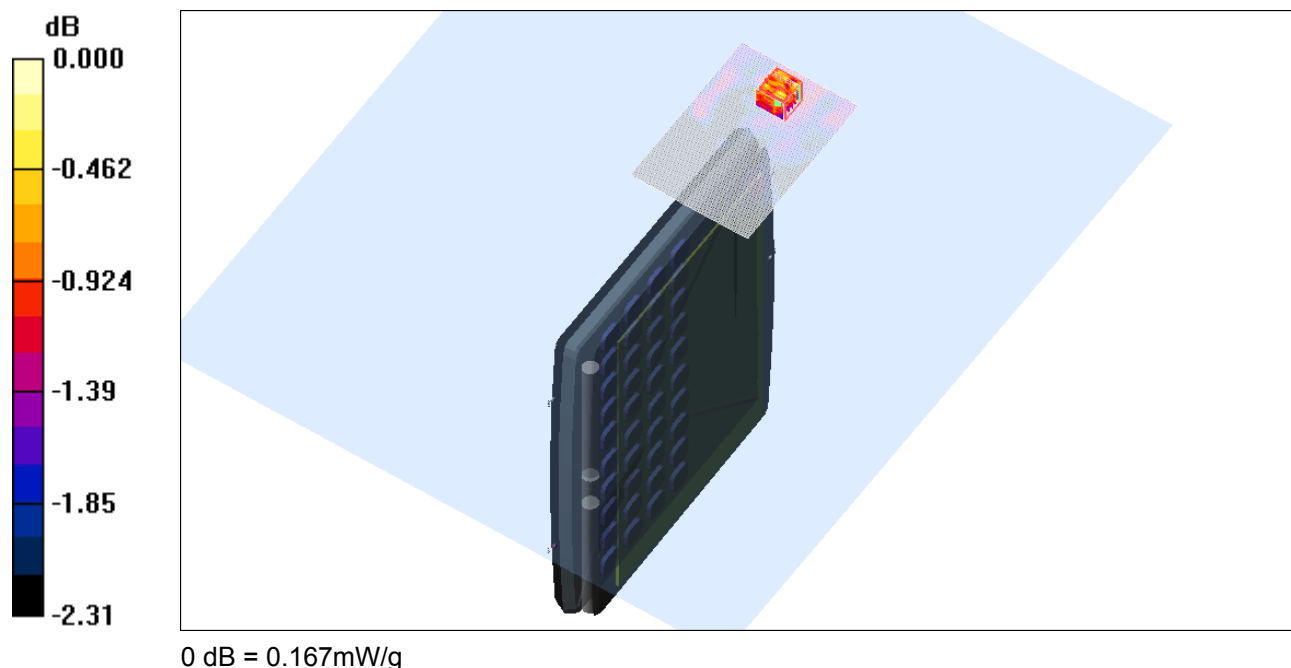
Channel 134 Test/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 4.47 V/m; Power Drift = -0.196 dB

Peak SAR (extrapolated) = 0.168 W/kg

SAR(1 g) = 0.141 mW/g; SAR(10 g) = 0.129 mW/g

Maximum value of SAR (measured) = 0.167 mW/g



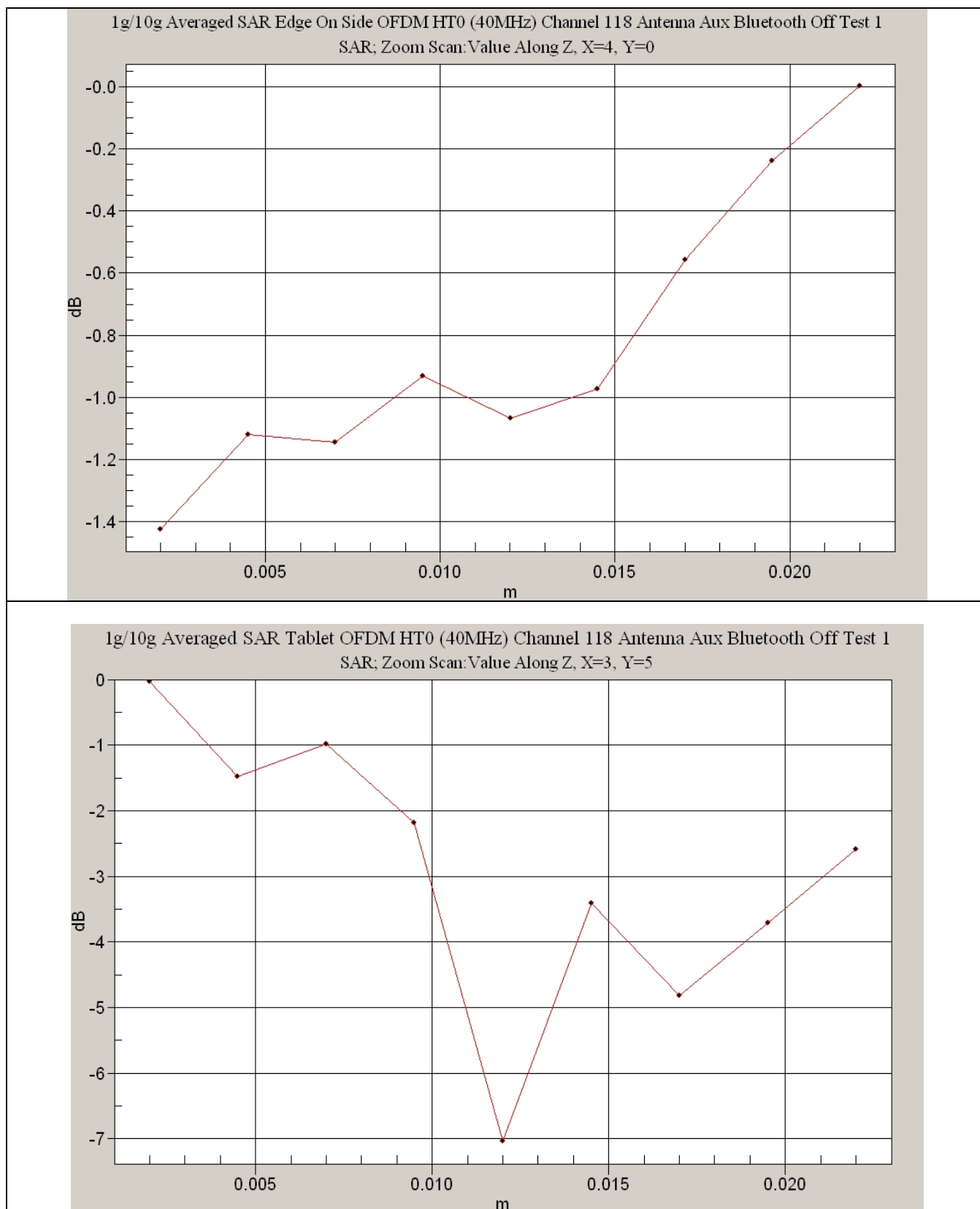
SAR MEASUREMENT PLOT 10

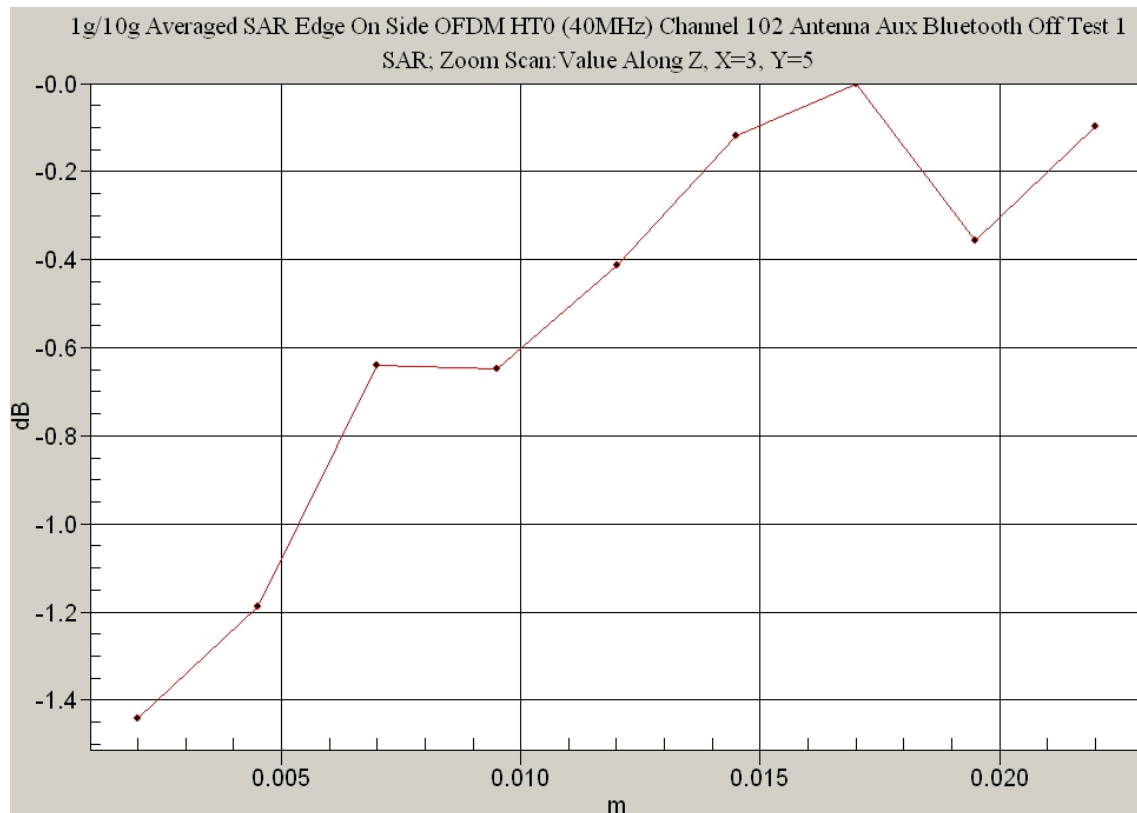
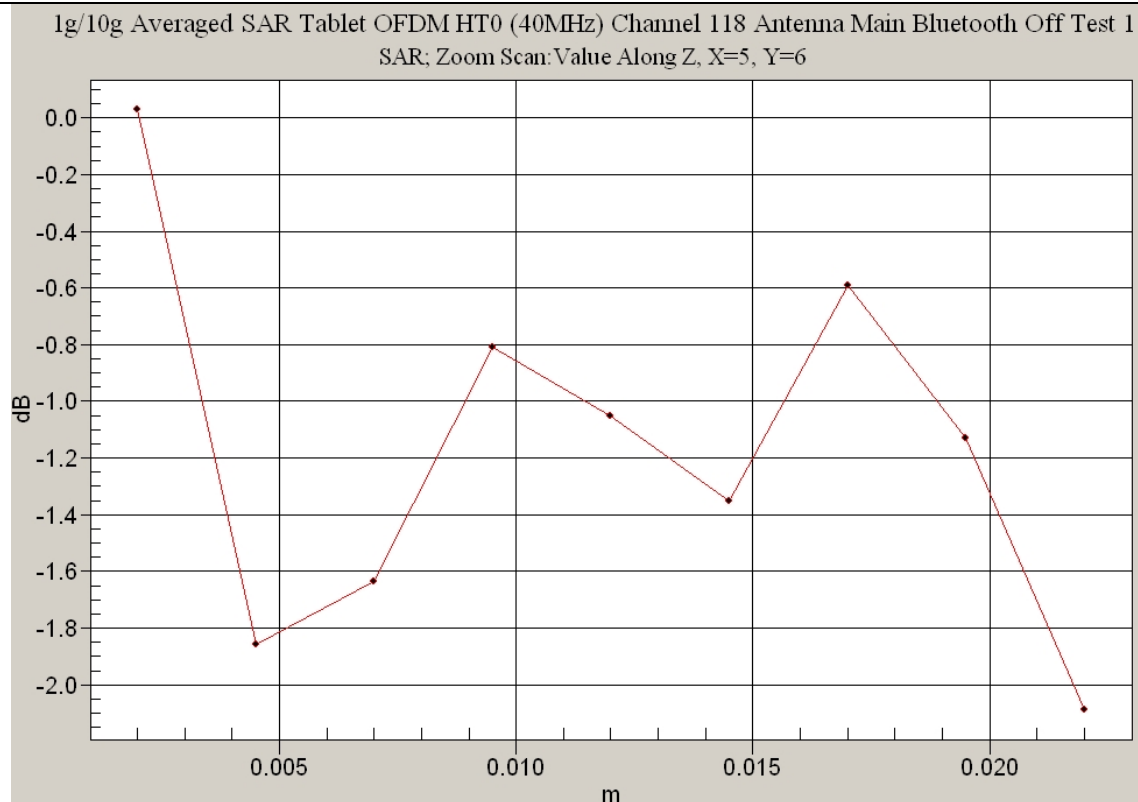
Ambient Temperature
Liquid Temperature
Humidity

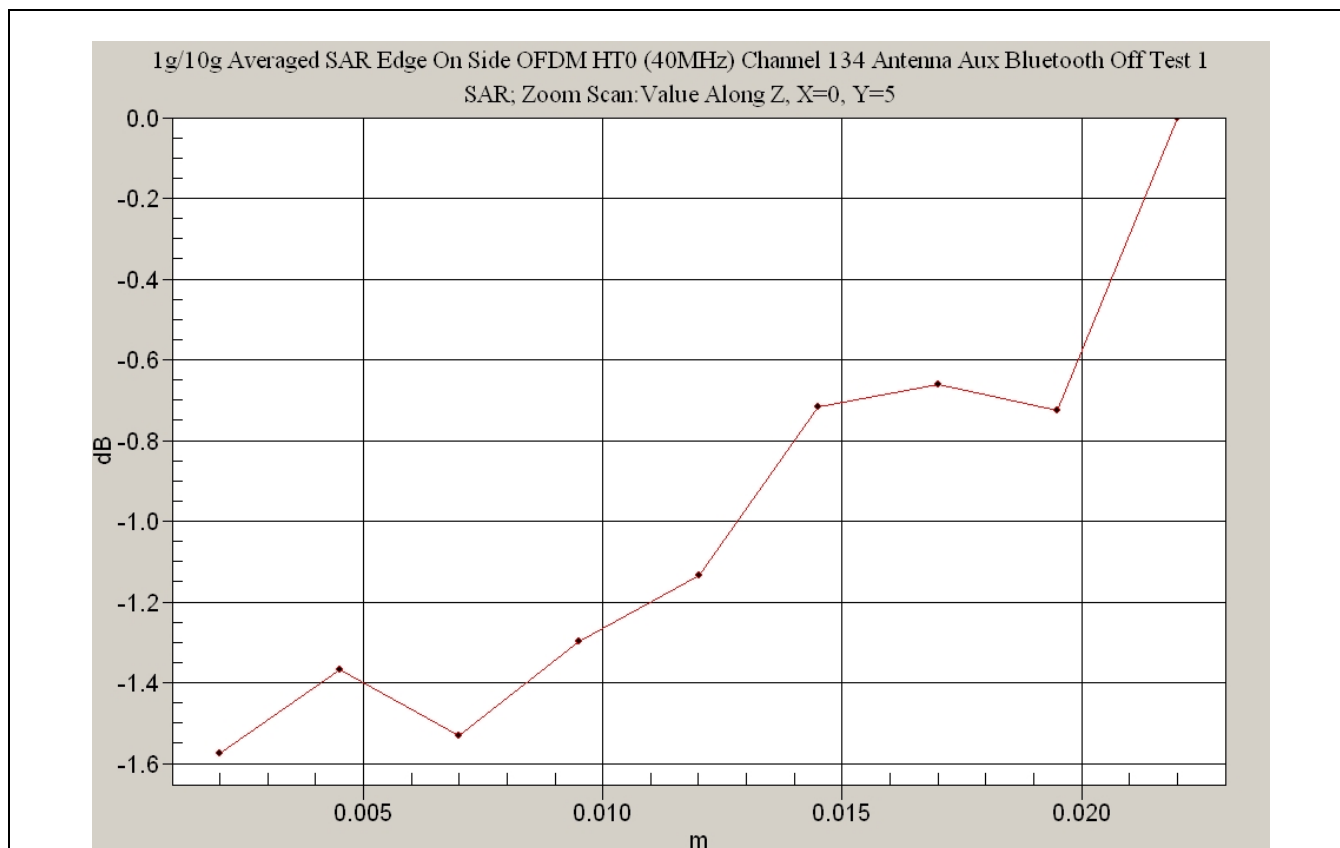
21.7 Degrees Celsius
21.4 Degrees Celsius
46.0 %



Z-AXIS PLOTS 6 - 10







Test Date: 22 May 2008

File Name: [Tablet OFDM HT0\(40MHz\) 5.8 GHz Ant Main Bluetooth Off 22-05-08.da4](#)

DUT: Fujitsu Notebook Seneca LC with Atheros 11abgn and Bluetooth; Type: HB92; Serial: MAC: 001B9E-C85143

* Communication System: OFDM 5775 MHz; Frequency: 5795 MHz; Duty Cycle: 1:1

* Medium parameters used: $f = 5800.8$ MHz; $\sigma = 6.11$ mho/m; $\epsilon_r = 47.8$; $\rho = 1000$ 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 159 Test/Area Scan (101x141x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.062 mW/g

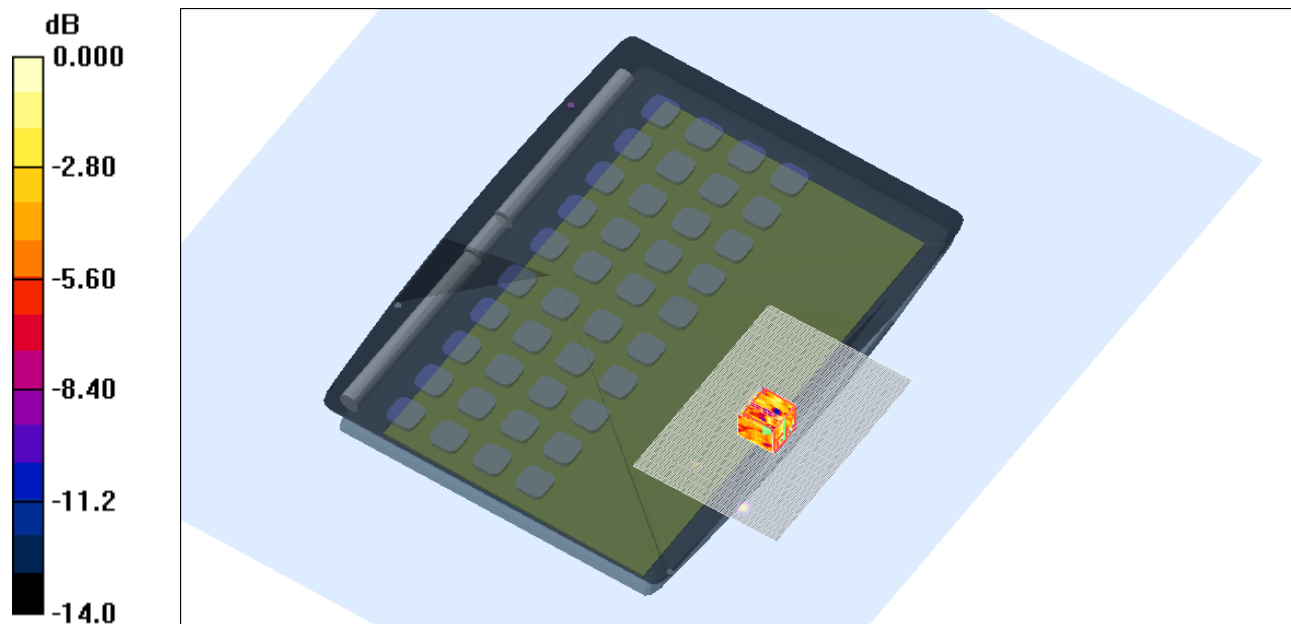
Channel 159 Test/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 2.26 V/m; Power Drift = 0.075 dB

Peak SAR (extrapolated) = 0.112 W/kg

SAR(1 g) = 0.031 mW/g; SAR(10 g) = 0.019 mW/g

Maximum value of SAR (measured) = 0.058 mW/g



0 dB = 0.058mW/g

SAR MEASUREMENT PLOT 11

Ambient Temperature
Liquid Temperature
Humidity

21.4 Degrees Celsius
21.1 Degrees Celsius
39.0 %



Test Date: 22 May 2008

File Name: [Tablet OFDM HT0\(40MHz\) 5.8 GHz Ant Aux Bluetooth Off 22-05-08.da4](#)

DUT: Fujitsu Notebook Seneca LC with Atheros 11abgn and Bluetooth; Type: HB92; Serial: MAC: 001B9E-C85143

* Communication System: OFDM 5775 MHz; Frequency: 5795 MHz; Duty Cycle: 1:1

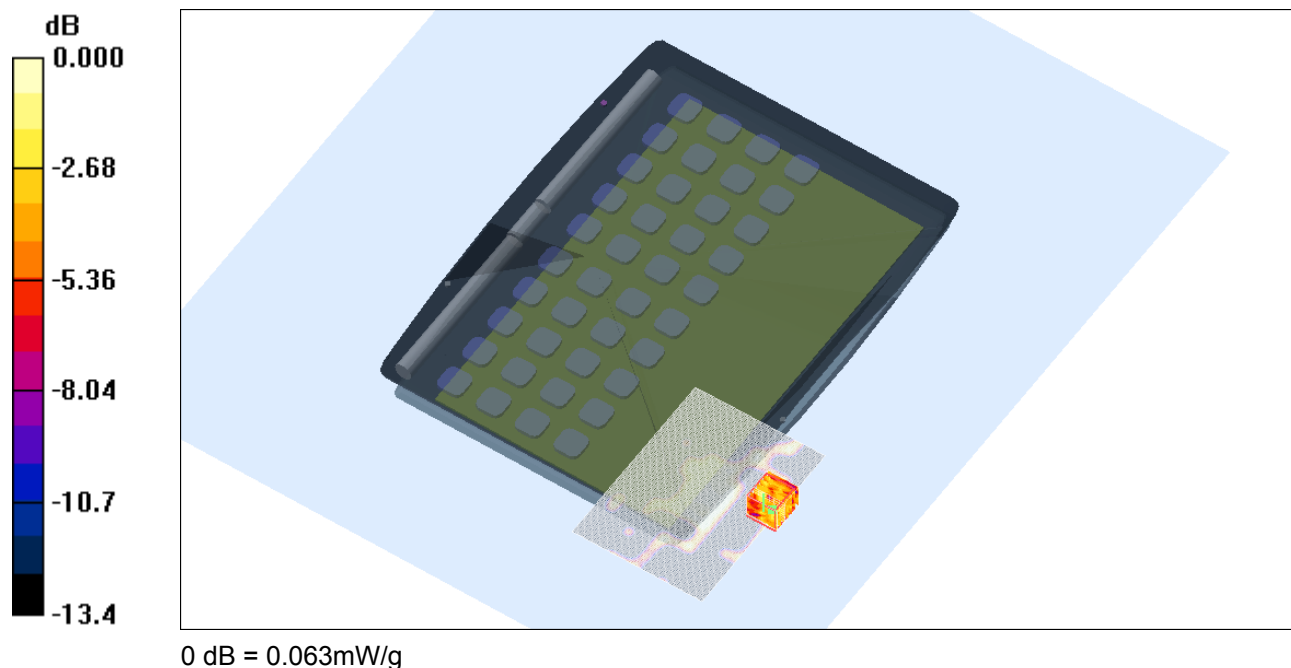
* Medium parameters used: $f = 5800.8$ MHz; $\sigma = 6.11$ mho/m; $\epsilon_r = 47.8$; $\rho = 1000$ kg/m³

- 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 159 Test/Area Scan (101x141x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.094 mW/g

Channel 159 Test/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 3.17 V/m; Power Drift = 0.008 dB
Peak SAR (extrapolated) = 0.074 W/kg
SAR(1 g) = 0.034 mW/g; SAR(10 g) = 0.025 mW/g
Maximum value of SAR (measured) = 0.063 mW/g



SAR MEASUREMENT PLOT 12

Ambient Temperature
Liquid Temperature
Humidity

21.4 Degrees Celsius
21.1 Degrees Celsius
39.0 %



Test Date: 22 May 2008

File Name: [Edge On Side OFDM HT0\(40MHz\) 5.8 GHz Ant Aux Bluetooth Off 22-05-08.da4](#)

DUT: Fujitsu Notebook Seneca LC with Atheros 11abgn and Bluetooth; Type: HB92; Serial: MAC: 001B9E-C85143

* Communication System: OFDM 5775 MHz; Frequency: 5795 MHz; Duty Cycle: 1:1

* Medium parameters used: $f = 5800.8$ MHz; $\sigma = 6.11$ mho/m; $\epsilon_r = 47.8$; $\rho = 1000$ 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 159 Test/Area Scan (101x141x1): Measurement grid: dx=10mm, dy=10mm

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

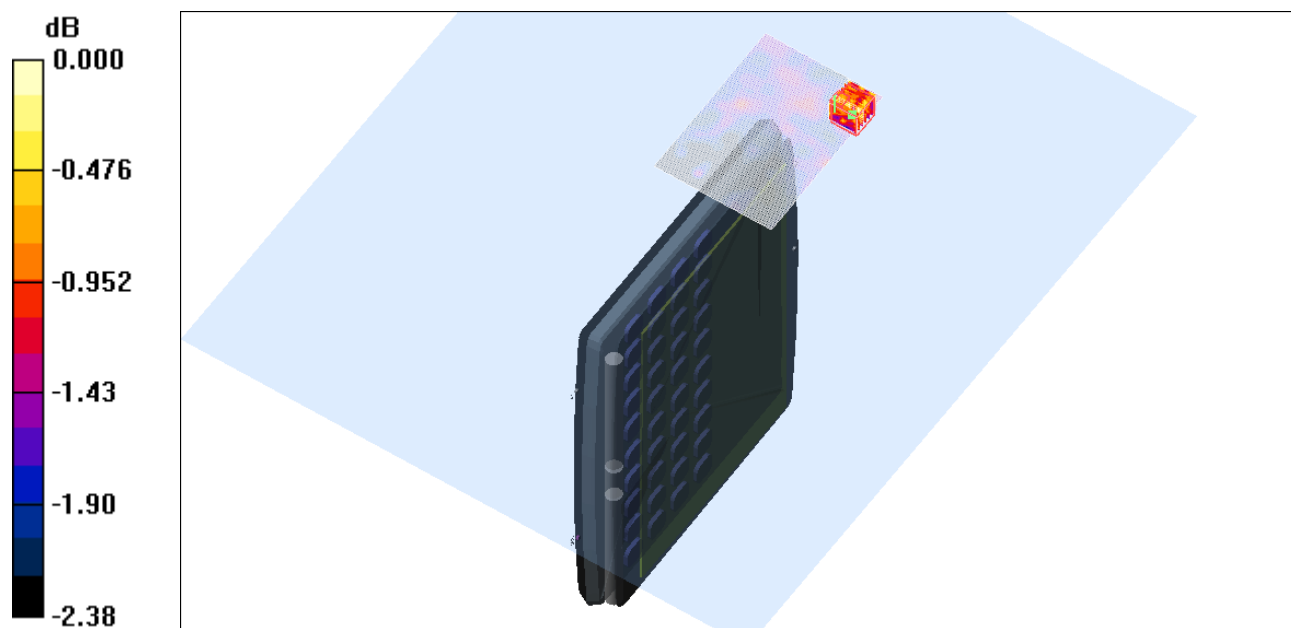
Channel 159 Test/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 4.48 V/m; Power Drift = 0.062 dB

Peak SAR (extrapolated) = 0.166 W/kg

SAR(1 g) = 0.138 mW/g; SAR(10 g) = 0.129 mW/g

Maximum value of SAR (measured) = 0.166 mW/g



0 dB = 0.166mW/g

SAR MEASUREMENT PLOT 13

Ambient Temperature
Liquid Temperature
Humidity

21.4 Degrees Celsius
21.1 Degrees Celsius
39.0 %



Test Date: 22 May 2008

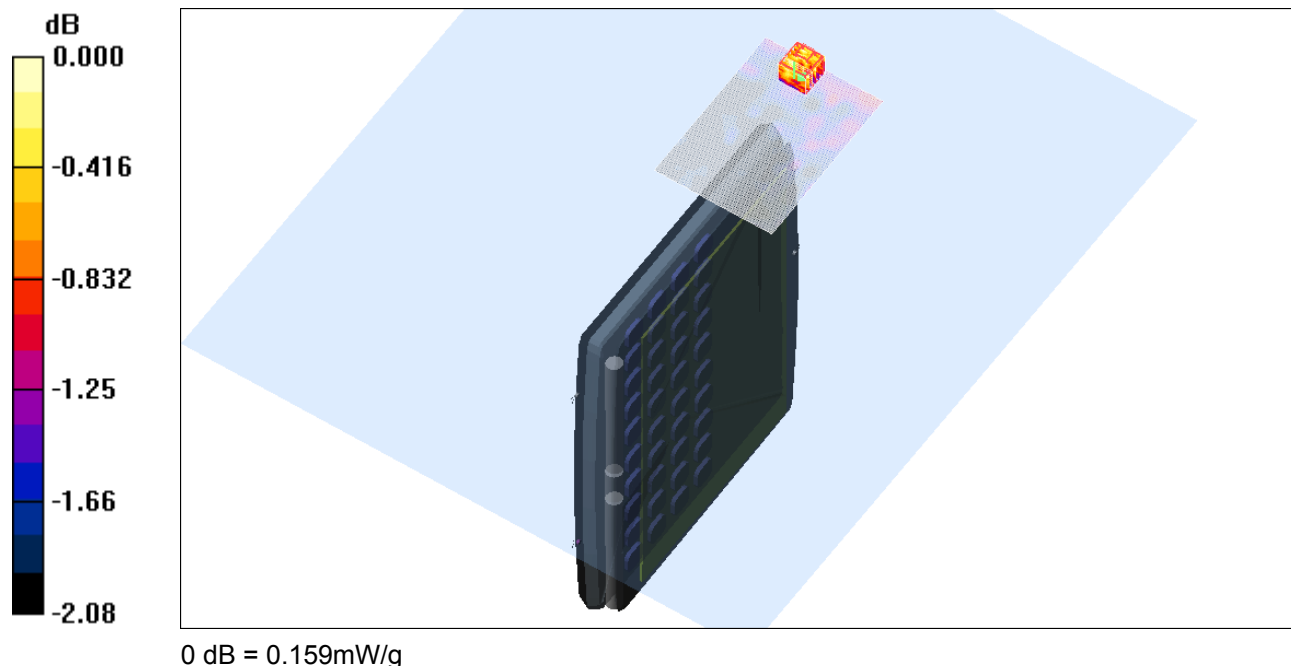
File Name: [Edge On Side OFDM HT0\(40MHz\) 5.8 GHz Ant Aux Bluetooth Off 22-05-08.da4](#)

DUT: Fujitsu Notebook Seneca LC with Atheros 11abgn and Bluetooth; Type: HB92; Serial: MAC: 001B9E-C85143

- * Communication System: OFDM 5775 MHz; Frequency: 5755 MHz; Duty Cycle: 1:1
- * Medium parameters used: $f = 5757$ MHz; $\sigma = 6.03$ mho/m; $\epsilon_r = 47.9$; $\rho = 1000$ 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 151 Test/Area Scan (101x141x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.129 mW/g

Channel 151 Test/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 4.33 V/m; Power Drift = 0.035 dB
Peak SAR (extrapolated) = 0.160 W/kg
SAR(1 g) = 0.144 mW/g; SAR(10 g) = 0.131 mW/g
Maximum value of SAR (measured) = 0.159 mW/g



SAR MEASUREMENT PLOT 14

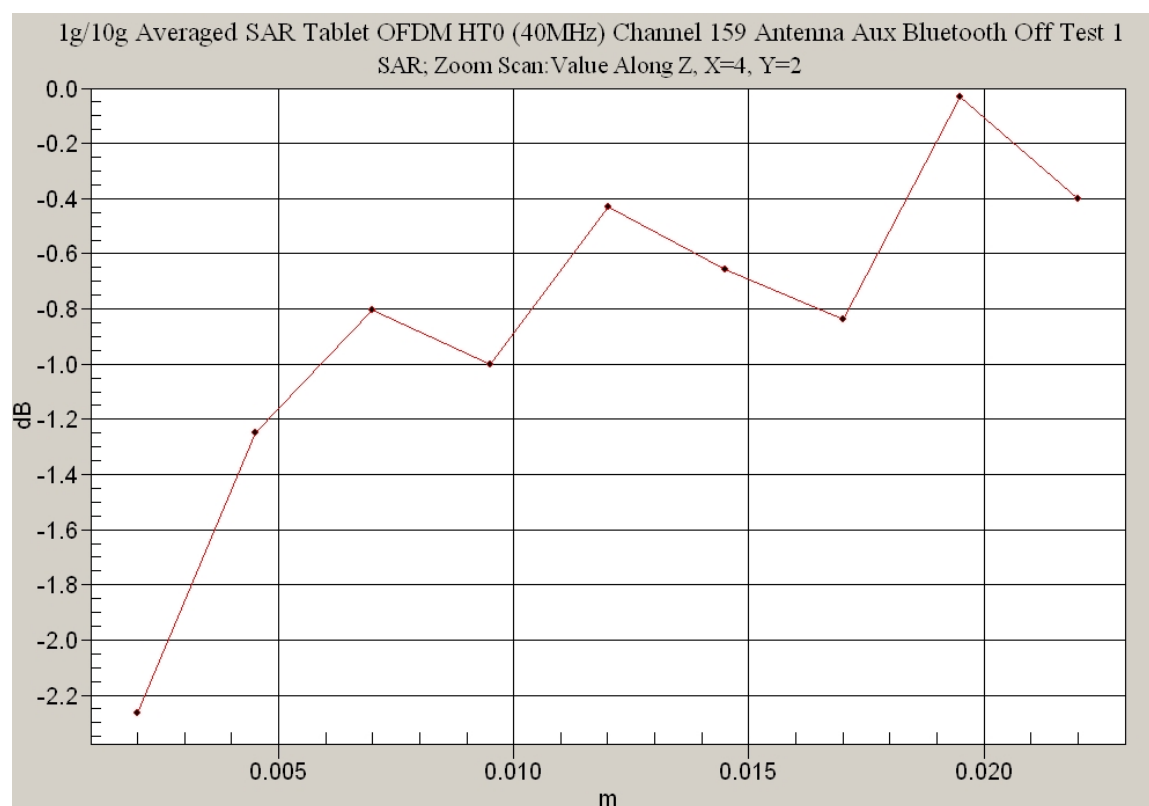
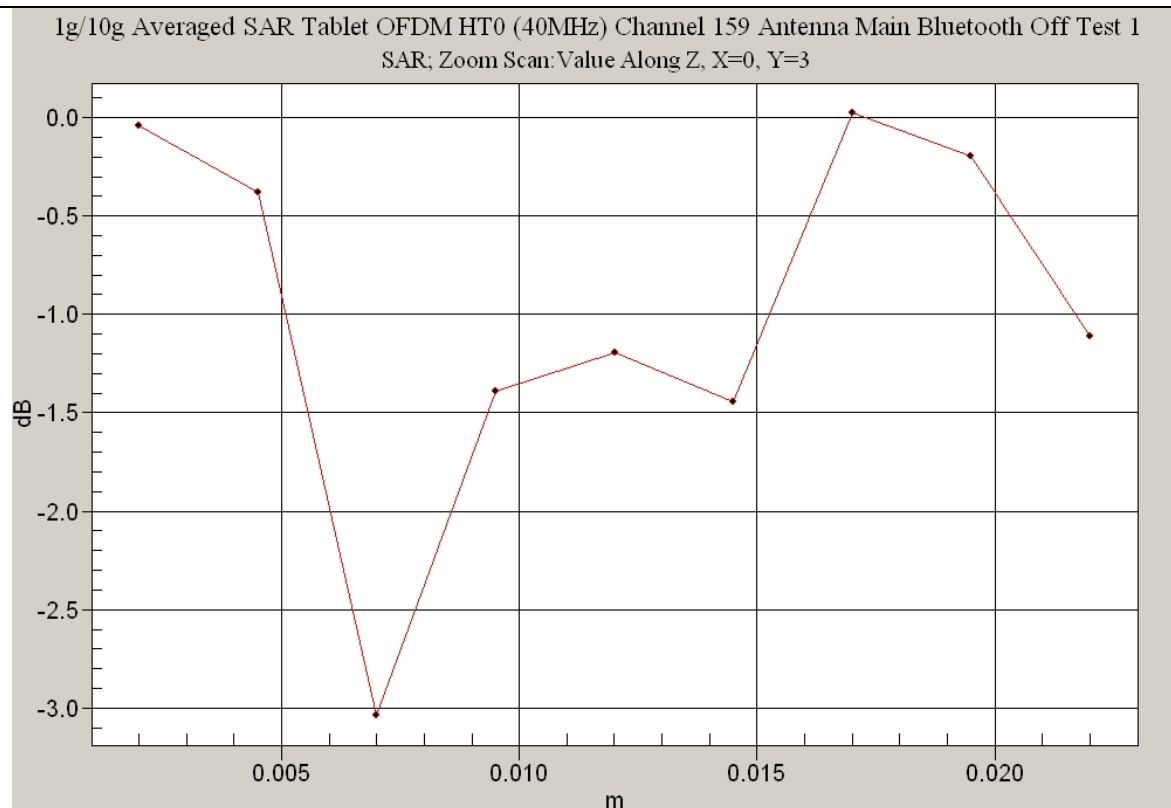
Ambient Temperature
Liquid Temperature
Humidity

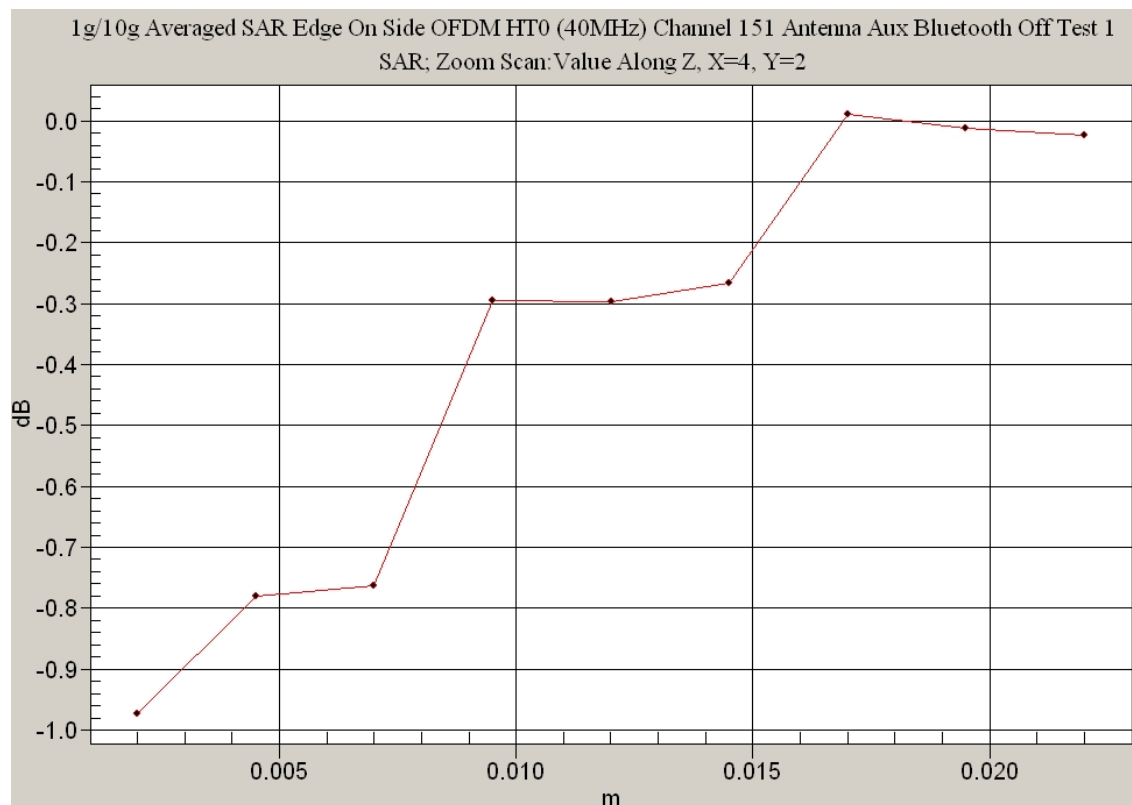
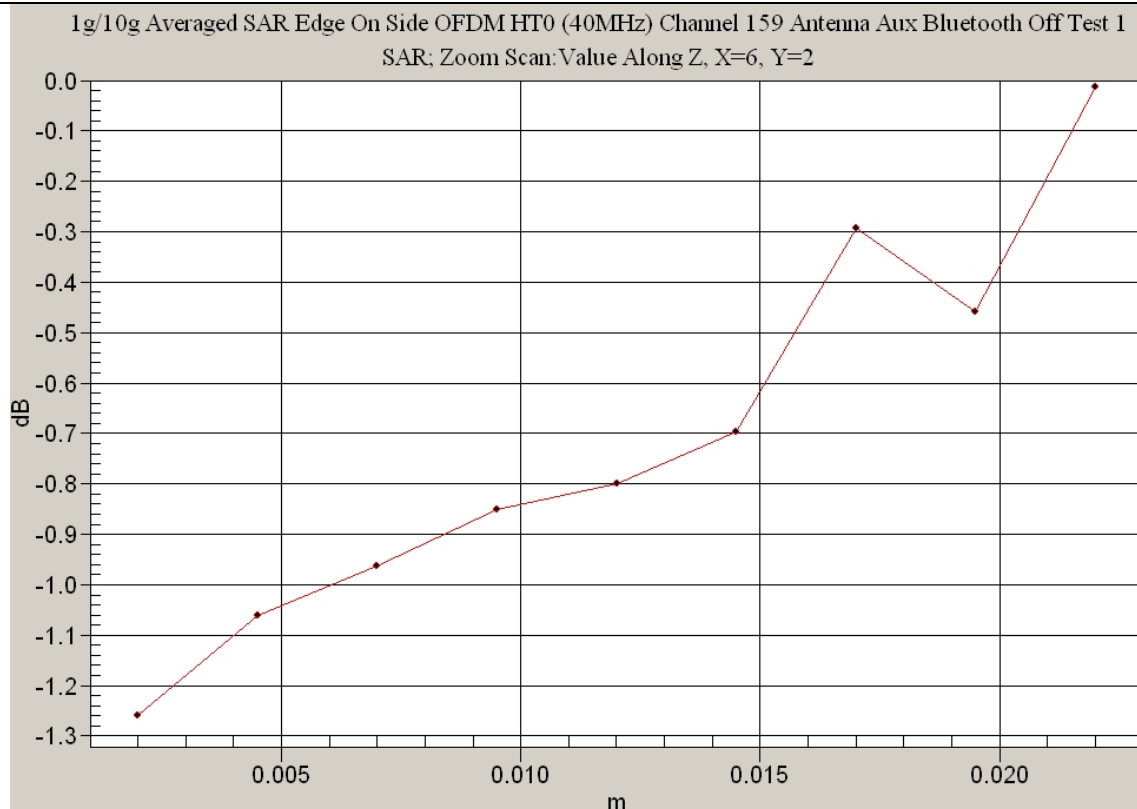
21.4 Degrees Celsius
21.1 Degrees Celsius
39.0 %



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Z-AXIS PLOTS 11 - 14





VALIDATION PLOTS 15 - 17

Test Date: 20 May 2008

File Name: [Validation 5200MHz \(DAE 442 Probe EX3DV4\) 20-05-08.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: $\sigma = 4.45011$ mho/m, $\epsilon_r = 35.2934$; $\rho = 1000$ kg/m³

- Electronics: DAE3 Sn442; Probe: EX3DV4 - SN3563; ConvF(4.25, 4.25, 4.25)

- 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) = 39.9 mW/g

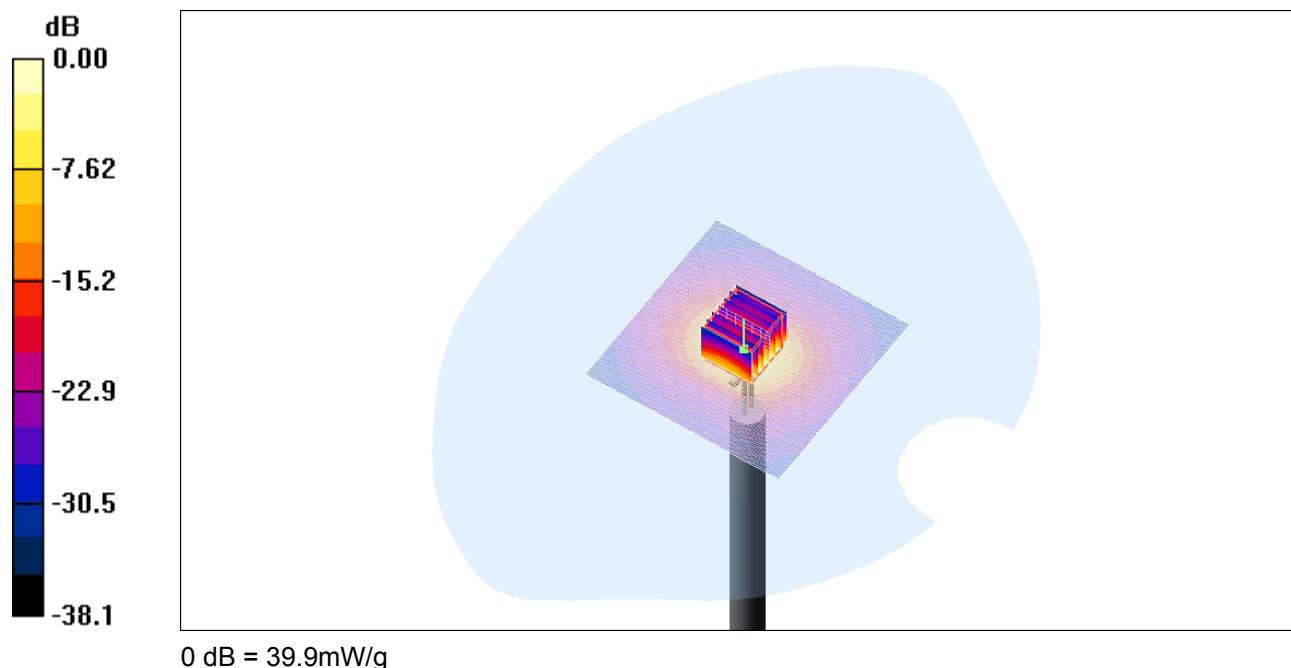
Channel 1 Test/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 99.7 V/m; Power Drift = 0.096 dB

Peak SAR (extrapolated) = 71.8 W/kg

SAR(1 g) = 19.3 mW/g; SAR(10 g) = 5.54 mW/g

Maximum value of SAR (measured) = 39.9 mW/g



SAR MEASUREMENT PLOT 15

Ambient Temperature
Liquid Temperature
Humidity

21.6 Degrees Celsius
21.3 Degrees Celsius
46.0 %



Test Date: 21 May 2008

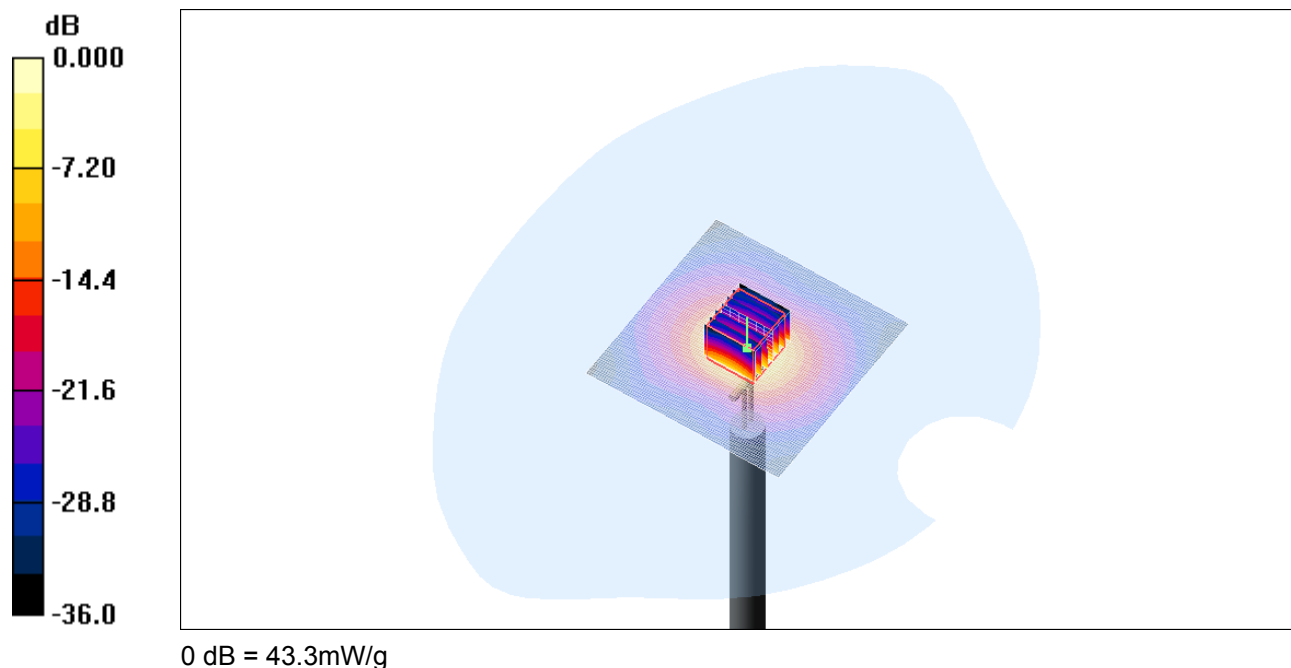
File Name: [Validation 5500MHz \(DAE 442 Probe EX3DV4\) 21-05-08.da4](#)

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

- * Communication System: CW 5500 MHz; Frequency: 5500 MHz; Duty Cycle: 1:1
- * Medium parameters used: $f = 5500$ MHz; $\sigma = 4.86$ mho/m; $\epsilon_r = 34.7$; $\rho = 1000$ 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) = 44.3 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 = 0.068 dB
Peak SAR (extrapolated) = 83.7 W/kg
SAR(1 g) = 20.7 mW/g; SAR(10 g) = 5.86 mW/g
Maximum value of SAR (measured) = 43.3 mW/g



SAR MEASUREMENT PLOT 16

Ambient Temperature
Liquid Temperature
Humidity

21.7 Degrees Celsius
21.4 Degrees Celsius
46.0 %

