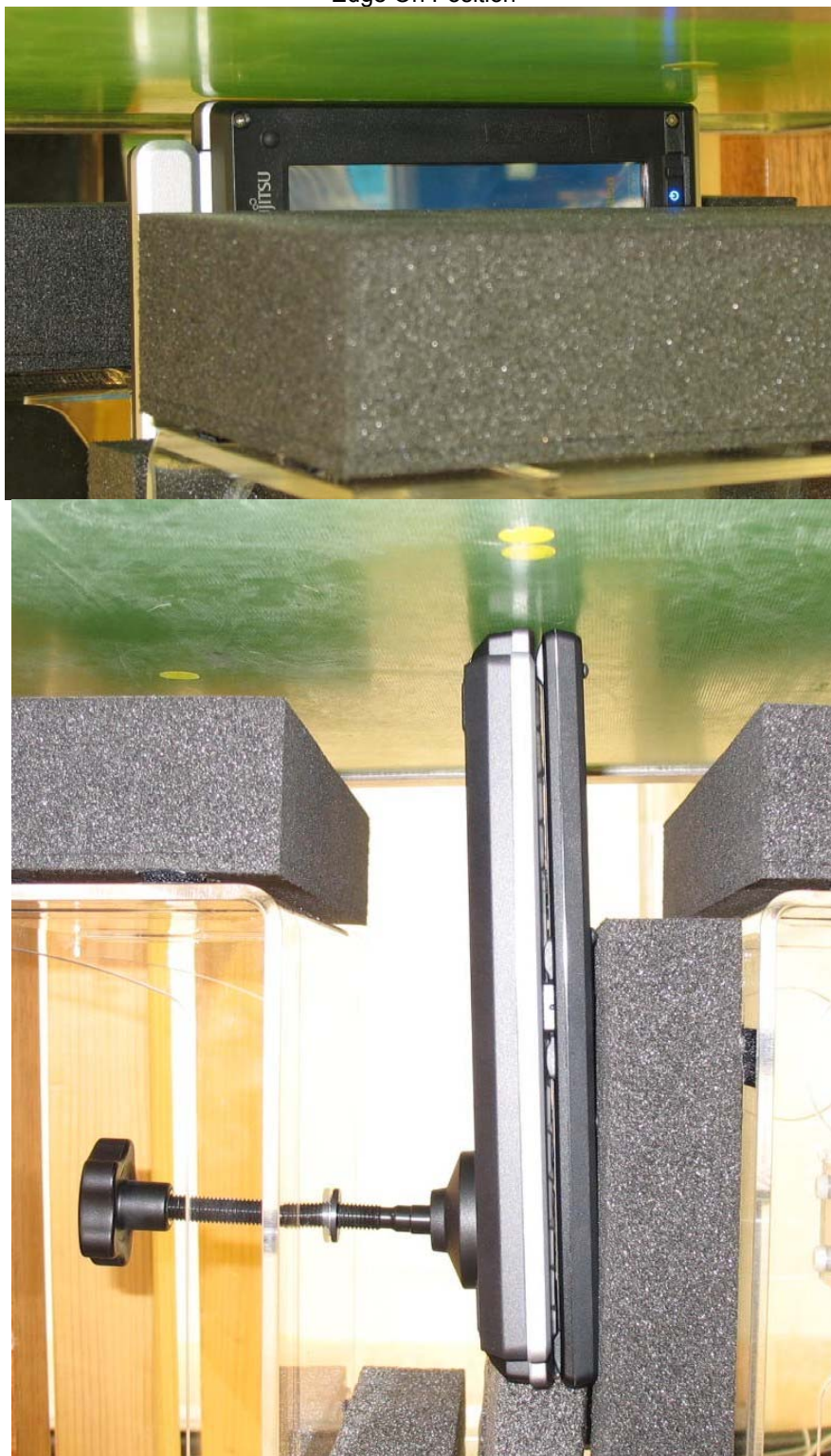


APPENDIX A3 TEST SETUP PHOTOGRAPHS

Edge On Position



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	1	A	6	-	36
	2	A	6	-	52
	3	A	6	-	64
Z-Axis for Plots 1 - 3					
Edge On w/ Extended Battery	4	A	6	-	64
Edge On with Bluetooth On	5	A	6	-	64
Z-Axis Plots for 4 - 5					

Table: 5800 MHz Band SAR Measurement Plot Numbers

Test Position	Plot No.	Ant	Bit rate Mode (Mbps)	Channel Bandwidth (MHz)	Test Channel
Edge On	6	A	6	-	149
	7	A	6	-	157
	8	A	6	-	165
Z-Axis for Plots 6 - 8					
Edge On w/ Extended Battery	9	A	6	-	157
Edge On with Bluetooth On	10	A	6	-	157
Z-Axis for Plots 9 - 10					

Table: Validation Plots

Plot 11	Validation 5200 MHz 5 th Dec 2007
Plot 12	Validation 5800 MHz 6 th Dec 2007
Z-Axis graphs for Plots 11 to 12	



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Test Date: 05 December 2007

File Name: Edge On OFDM 5.2 GHz Antenna A Side Bluetooth Off 05-12-07.da4

DUT: Fujitsu Tablet Ryuga with Atheros 11abg and Bluetooth; Type: XB62; Serial: ZX7X00480

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

* Medium parameters used: $\sigma = 5.30164$ mho/m, $\epsilon_r = 49.0237$; $\rho = 1000$ kg/m³

- Electronics: DAE3 Sn359; 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 36 Test/Area Scan (51x131x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.095 mW/g

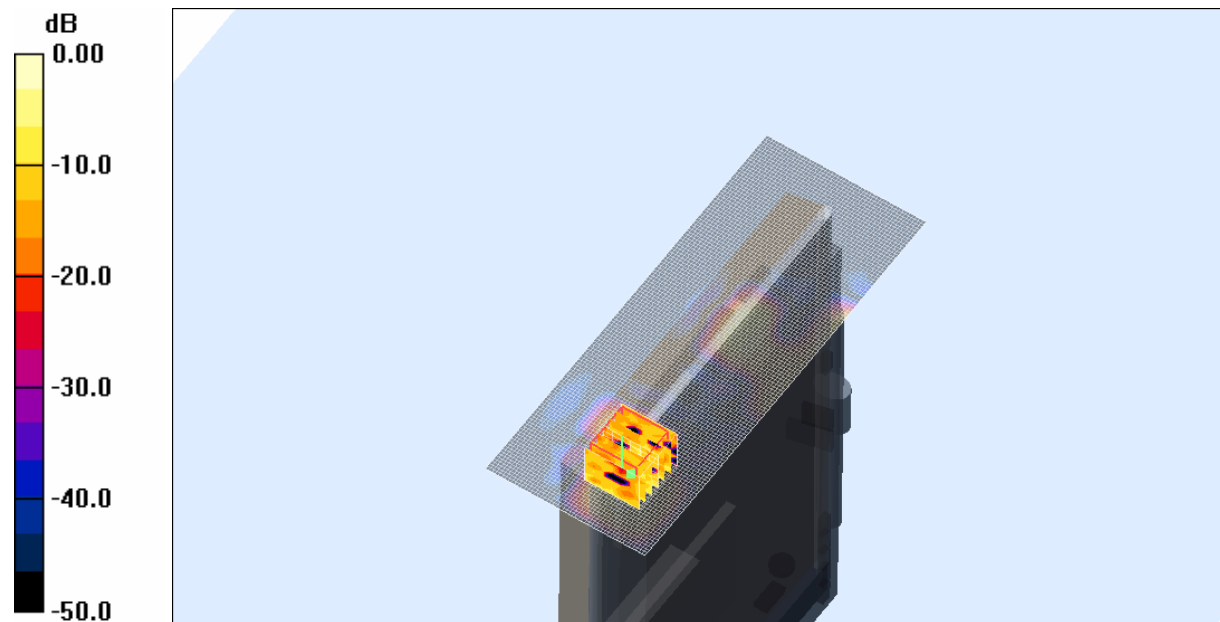
Channel 36 Test/Zoom Scan (7x7x8)/Cube 0: Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm

Reference Value = 2.86 V/m; Power Drift = -0.448 dB

Peak SAR (extrapolated) = 0.302 W/kg

SAR(1 g) = 0.039 mW/g; SAR(10 g) = 0.012 mW/g

Maximum value of SAR (measured) = 0.099 mW/g



0 dB = 0.099mW/g

SAR MEASUREMENT PLOT 1

Ambient Temperature

21.8 Degrees Celsius

Liquid Temperature

21.1 Degrees Celsius

Humidity

59.0 %



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Test Date: 05 December 2007

File Name: Edge On OFDM 5.2 GHz Antenna A Side Bluetooth Off 05-12-07.da4

DUT: Fujitsu Tablet Ryuga with Atheros 11abg and Bluetooth; Type: XB62; Serial: ZX7X00480

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

* Medium parameters used: $\sigma = 5.54187$ mho/m, $\epsilon_r = 49.0159$; $\rho = 1000$ kg/m³

- Electronics: DAE3 Sn359; 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 52 Test/Area Scan (51x131x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.095 mW/g

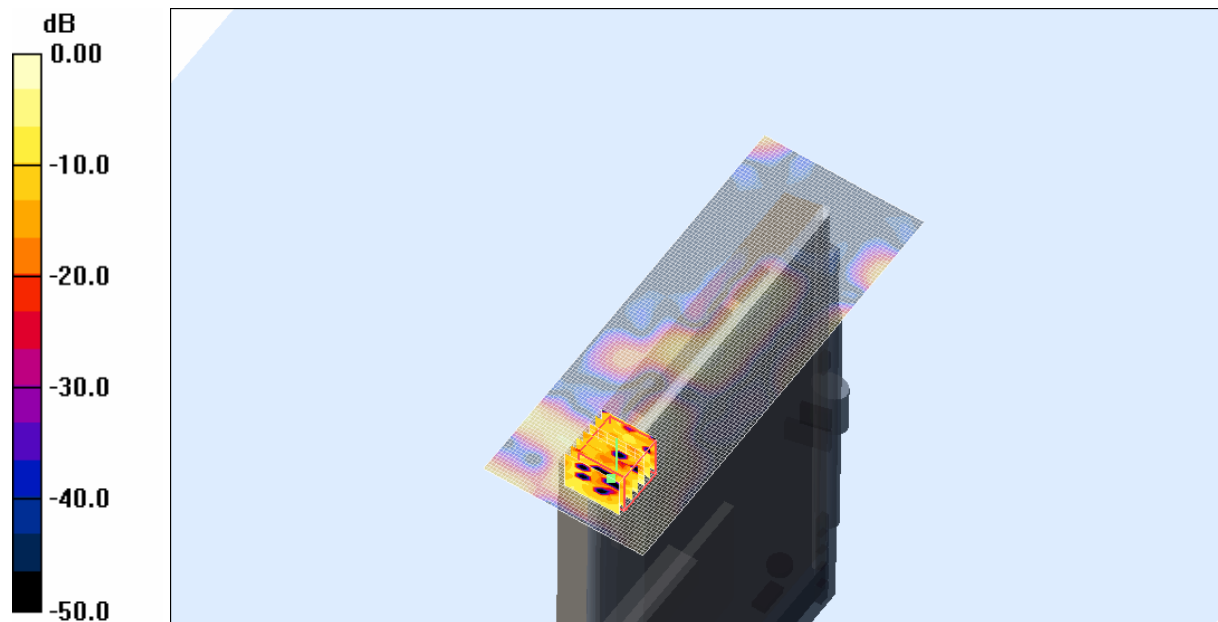
Channel 52 Test/Zoom Scan (7x7x8)/Cube 0: Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm

Reference Value = 3.17 V/m; Power Drift = 0.167 dB

Peak SAR (extrapolated) = 0.213 W/kg

SAR(1 g) = 0.043 mW/g; SAR(10 g) = 0.012 mW/g

Maximum value of SAR (measured) = 0.090 mW/g



0 dB = 0.090mW/g

SAR MEASUREMENT PLOT 2

Ambient Temperature

21.8 Degrees Celsius

Liquid Temperature

21.1 Degrees Celsius

Humidity

59.0 %



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Test Date: 05 December 2007

File Name: Edge On OFDM 5.2 GHz Antenna A Side Bluetooth Off 05-12-07.da4

DUT: Fujitsu Tablet Ryuga with Atheros 11abg and Bluetooth; Type: XB62; Serial: ZX7X00480

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

* Medium parameters used: $\sigma = 5.64784$ mho/m, $\epsilon_r = 48.6314$; $\rho = 1000$ kg/m³

- Electronics: DAE3 Sn359; 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 64 Test/Area Scan (51x131x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.090 mW/g

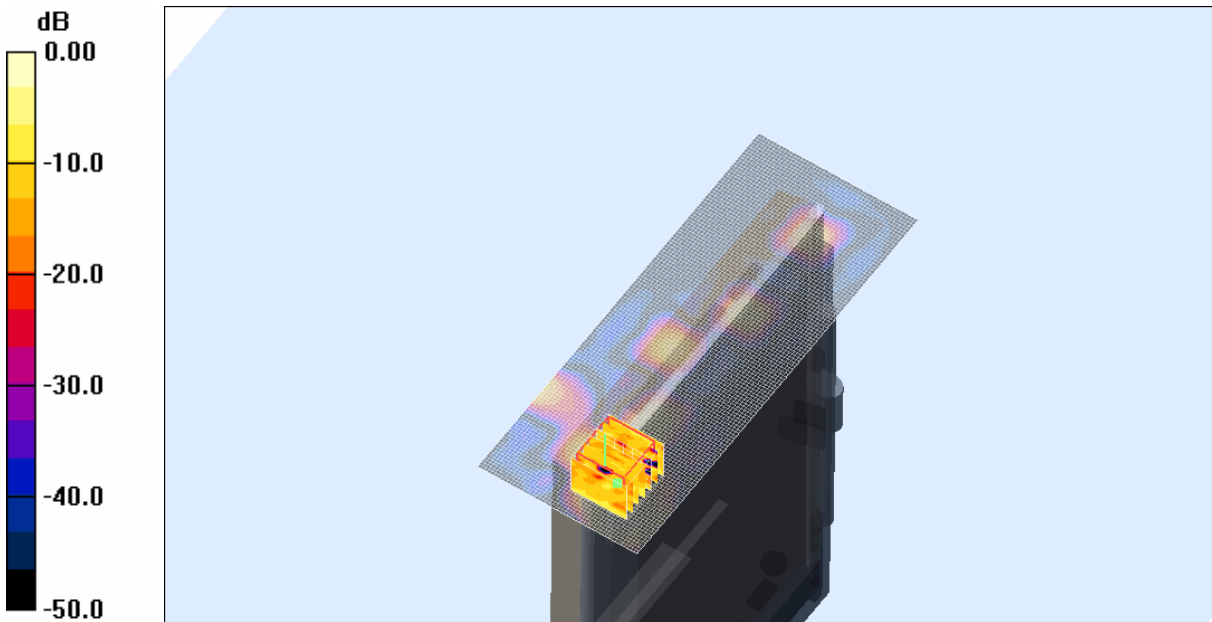
Channel 64 Test/Zoom Scan (7x7x8)/Cube 0: Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm

Reference Value = 3.15 V/m; Power Drift = 0.439 dB

Peak SAR (extrapolated) = 0.225 W/kg

SAR(1 g) = 0.051 mW/g; SAR(10 g) = 0.014 mW/g

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



0 dB = 0.111mW/g

SAR MEASUREMENT PLOT 3

Ambient Temperature

21.8 Degrees Celsius

Liquid Temperature

21.1 Degrees Celsius

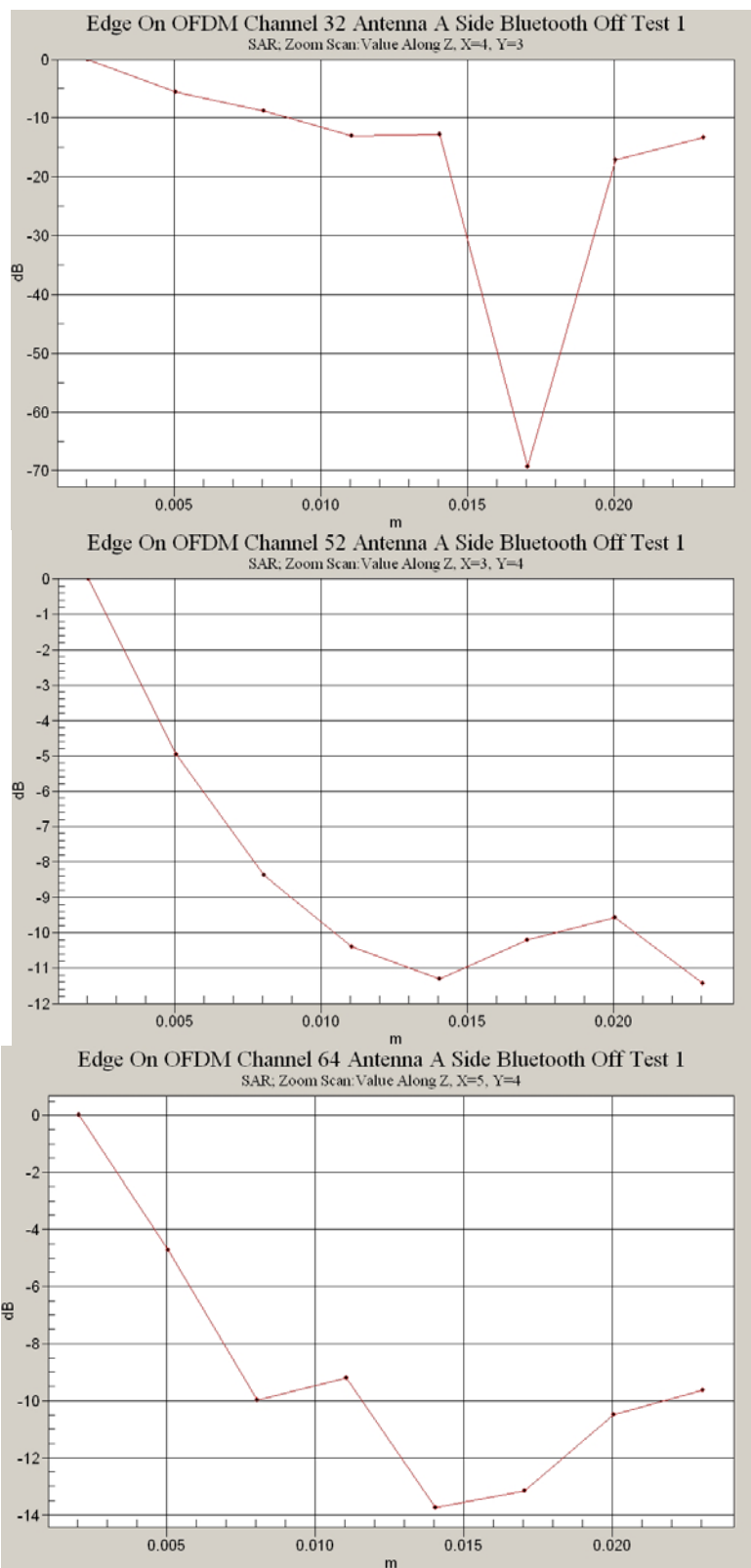
Humidity

59.0 %



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Test Date: 05 December 2007

File Name: Edge On OFDM 5.2 GHz Antenna A Side Bluetooth Off Extended Battery 05-12-07.da4

DUT: Fujitsu Tablet Ryuga with Atheros 11abg and Bluetooth; Type: XB62; Serial: ZX7X00480

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

* Medium parameters used: $\sigma = 5.64784$ mho/m, $\epsilon_r = 48.6314$; $\rho = 1000$ kg/m³

- Electronics: DAE3 Sn359; 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 64 Test/Area Scan (51x131x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.129 mW/g

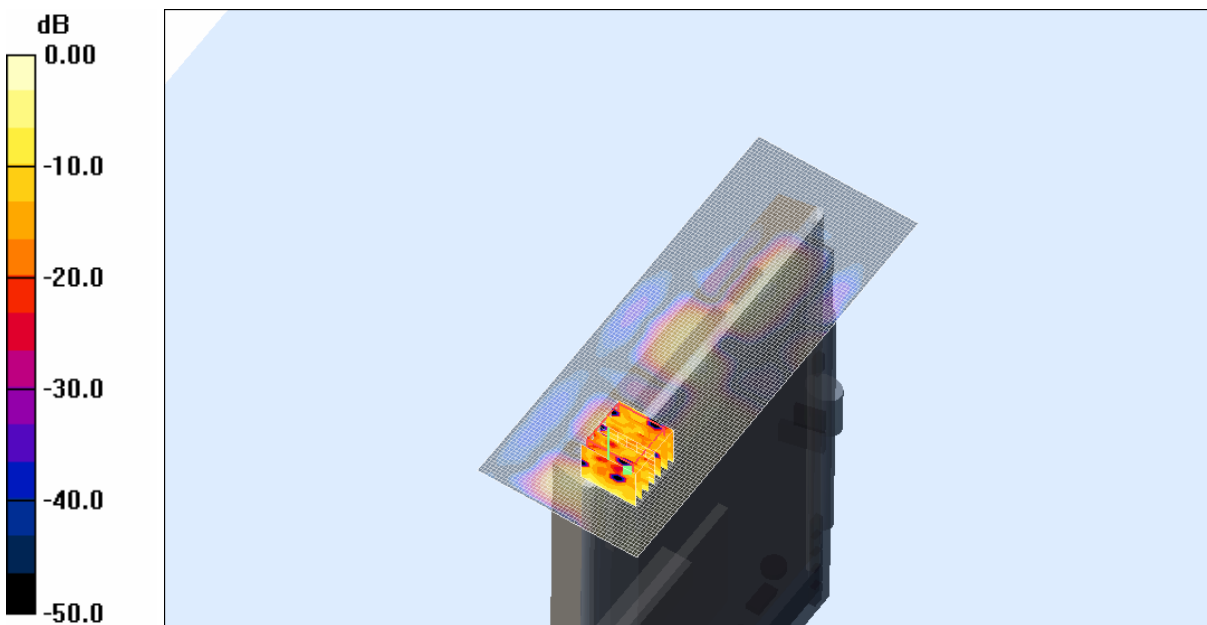
Channel 64 Test/Zoom Scan (7x7x8)/Cube 0: Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm

Reference Value = 3.33 V/m; Power Drift = -0.390 dB

Peak SAR (extrapolated) = 0.307 W/kg

SAR(1 g) = 0.061 mW/g; SAR(10 g) = 0.019 mW/g

Maximum value of SAR (measured) = 0.133 mW/g



0 dB = 0.133mW/g

SAR MEASUREMENT PLOT 4

Ambient Temperature
Liquid Temperature
Humidity

21.8 Degrees Celsius
21.1 Degrees Celsius
59.0 %



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Test Date: 05 December 2007

File Name: Edge On OFDM 5.2 GHz Antenna A Side Bluetooth On 05-12-07.da4

DUT: Fujitsu Tablet Ryuga with Atheros 11abg and Bluetooth; Type: XB62; Serial: ZX7X00480

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

* Medium parameters used: $\sigma = 5.64784$ mho/m, $\epsilon_r = 48.6314$; $\rho = 1000$ kg/m³

- Electronics: DAE3 Sn359; 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 64 Test/Area Scan (51x131x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.097 mW/g

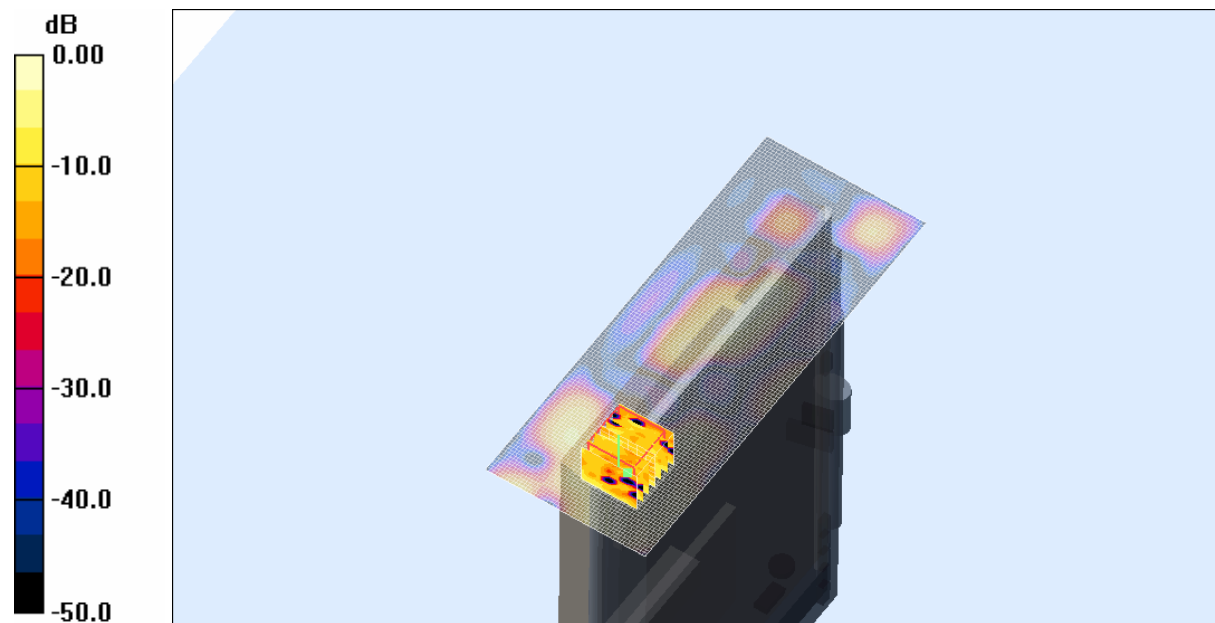
Channel 64 Test/Zoom Scan (7x7x8)/Cube 0: Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm

Reference Value = 3.06 V/m; Power Drift = 0.476 dB

Peak SAR (extrapolated) = 0.364 W/kg

SAR(1 g) = 0.057 mW/g; SAR(10 g) = 0.017 mW/g

Maximum value of SAR (measured) = 0.112 mW/g



0 dB = 0.112mW/g

SAR MEASUREMENT PLOT 5

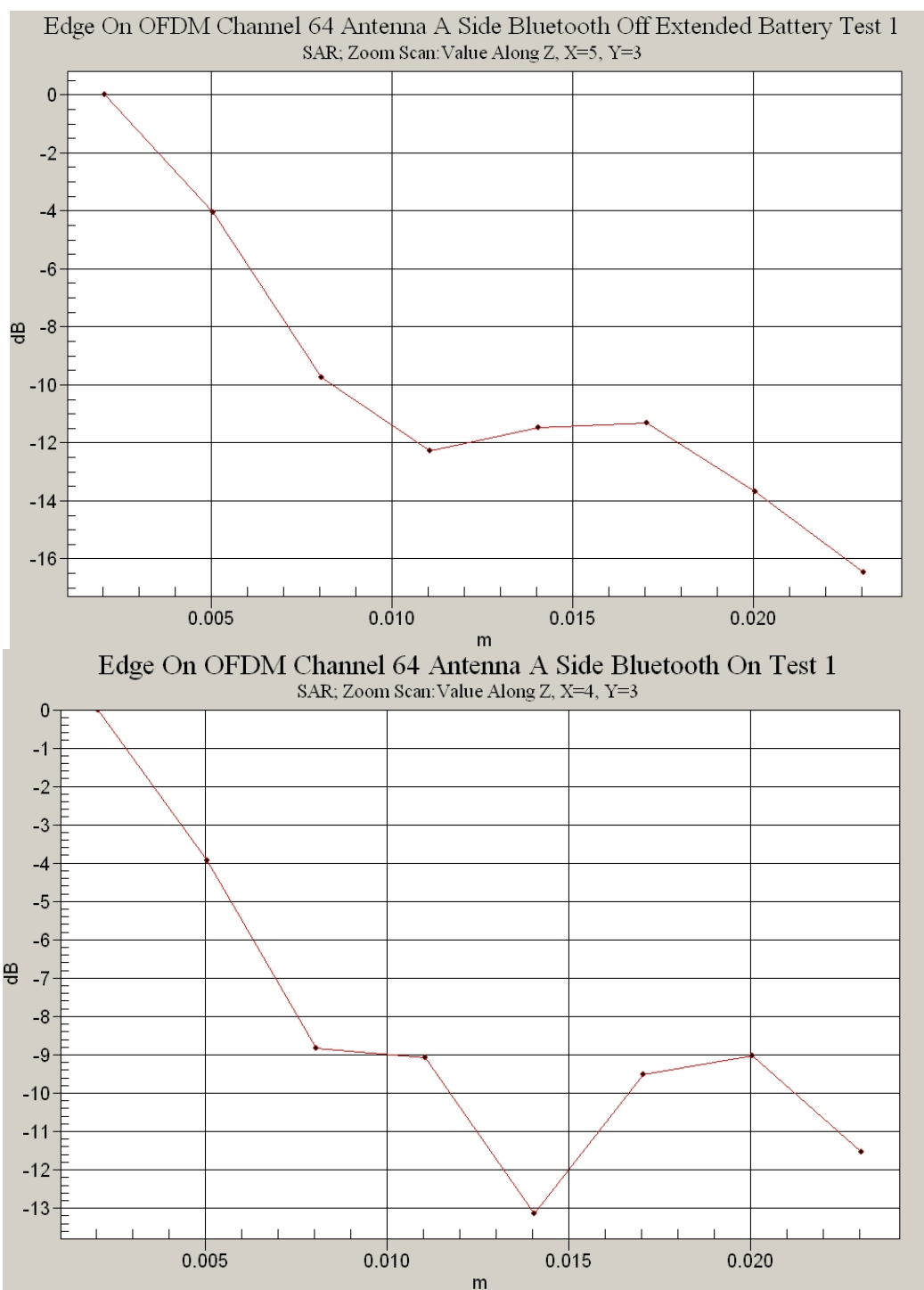
Ambient Temperature
Liquid Temperature
Humidity

21.8 Degrees Celsius
21.1 Degrees Celsius
59.0 %



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Test Date: 06 December 2007

File Name: Edge On OFDM 5.77 GHz Antenna A Side Bluetooth Off 06-12-07.da4

DUT: Fujitsu Tablet Ryuga with Atheros 11abg and Bluetooth; Type: XB62; Serial: ZX7X00480

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

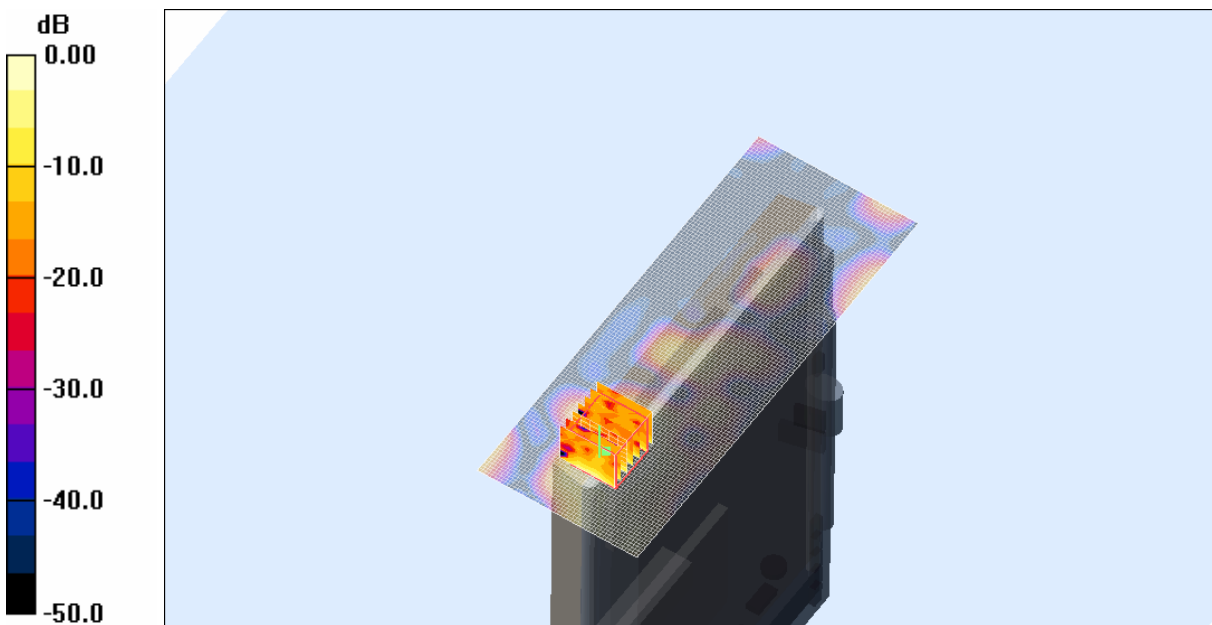
* Medium parameters used: $\sigma = 6.26143$ mho/m, $\epsilon_r = 47.8586$; $\rho = 1000$ kg/m³

- Electronics: DAE3 Sn359; 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 149 Test/Area Scan (51x131x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.304 mW/g

Channel 149 Test/Zoom Scan (7x7x8)/Cube 0: Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm
Reference Value = 3.10 V/m; Power Drift = 0.473 dB
Peak SAR (extrapolated) = 0.474 W/kg
SAR(1 g) = 0.118 mW/g; SAR(10 g) = 0.039 mW/g
Maximum value of SAR (measured) = 0.292 mW/g



0 dB = 0.292mW/g

SAR MEASUREMENT PLOT 6

Ambient Temperature
Liquid Temperature
Humidity

21.6 Degrees Celsius
21.0 Degrees Celsius
61.0 %



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Test Date: 06 December 2007

File Name: Edge On OFDM 5.77 GHz Antenna A Side Bluetooth Off 06-12-07.da4

DUT: Fujitsu Tablet Ryuga with Atheros 11abg and Bluetooth; Type: XB62; Serial: ZX7X00480

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

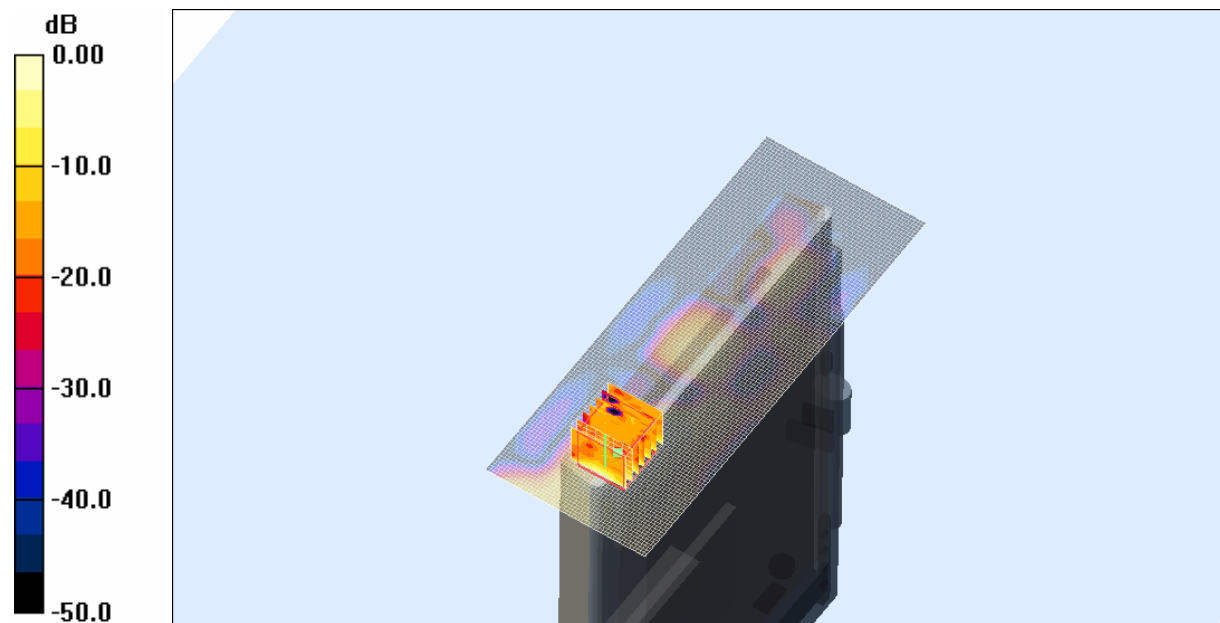
* Medium parameters used: $\sigma = 6.22102$ mho/m, $\epsilon_r = 47.7697$; $\rho = 1000$ kg/m³

- Electronics: DAE3 Sn359; 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 157 Test/Area Scan (51x131x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.303 mW/g

Channel 157 Test/Zoom Scan (7x7x8)/Cube 0: Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm
Reference Value = 3.73 V/m; Power Drift = 0.159 dB
Peak SAR (extrapolated) = 0.476 W/kg
SAR(1 g) = 0.121 mW/g; SAR(10 g) = 0.040 mW/g
Maximum value of SAR (measured) = 0.272 mW/g



0 dB = 0.272mW/g

SAR MEASUREMENT PLOT 7

Ambient Temperature
Liquid Temperature
Humidity

21.6 Degrees Celsius
21.0 Degrees Celsius
61.0 %



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Test Date: 06 December 2007

File Name: Edge On OFDM 5.77 GHz Antenna A Side Bluetooth Off 06-12-07.da4

DUT: Fujitsu Tablet Ryuga with Atheros 11abg and Bluetooth; Type: XB62; Serial: ZX7X00480

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

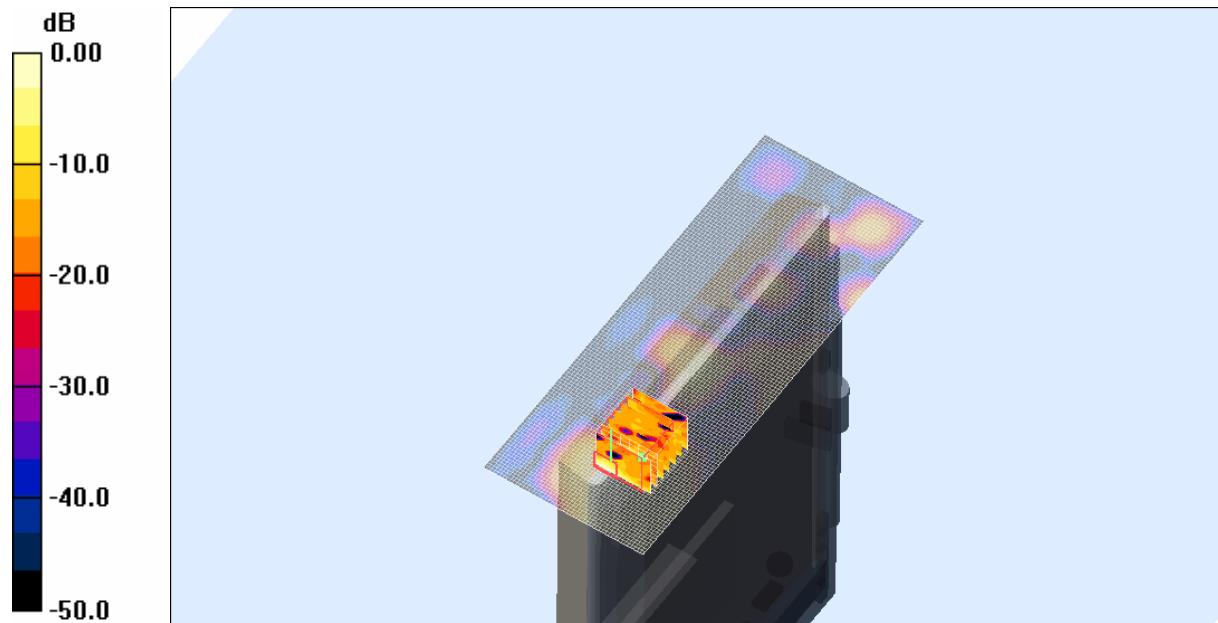
* Medium parameters used: $\sigma = 6.31796$ mho/m, $\epsilon_r = 47.3419$; $\rho = 1000$ kg/m³

- Electronics: DAE3 Sn359; 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 165 Test/Area Scan (51x131x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.275 mW/g

Channel 165 Test/Zoom Scan (7x7x8)/Cube 0: Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm
Reference Value = 4.16 V/m; Power Drift = 0.425 dB
Peak SAR (extrapolated) = 0.520 W/kg
SAR(1 g) = 0.110 mW/g; SAR(10 g) = 0.031 mW/g
Maximum value of SAR (measured) = 0.249 mW/g



0 dB = 0.249mW/g

SAR MEASUREMENT PLOT 8

Ambient Temperature
Liquid Temperature
Humidity

21.6 Degrees Celsius
21.0 Degrees Celsius
61.0 %



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