

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 Bluetooth ON	1	A	6	-	52
Edge On Right	2	A	6	-	52
Edge On Left	3	B	6	-	52
Edge On Top	4	A	6	-	52
Z-Axis graphs for Plots 2 to 4					
Edge On Top	5	B	6	-	36
	6	B	6	-	52
	7	B	6	-	64
Z-Axis graphs for Plots 5 to 7					
Edge On with Bluetooth On	8	B	6	-	64
Z-Axis graph for Plot 8					

Table: 5600 MHz Band SAR Measurement Plot Numbers

Test Position	Plot No.	Ant	Bit rate Mode (Mbps)	Channel Bandwidth (MHz)	Test Channel
**Tablet Bluetooth ON	9	A	6	-	120
*Edge On Left	10	A	6	-	120
*Edge On Top	11	B	6	-	120
*Edge On Right	12	A	6	-	120
*Edge On Left	13	B	6	-	120
Edge On Top	14	A	6	-	120
Edge On Right	15	A	6	-	120
Edge On Left	16	B	6	-	120
Z-Axis graphs for Plots 14 to 16					
Edge On Top	17	B	6	-	100
	18	B	6	-	120
	19	B	6	-	140
Z-Axis graphs for Plots 17 to 19					
Edge On Top with Bluetooth On	20	B	6	-	120
Z-Axis graph for Plot 20					

Table: 5800 MHz Band SAR Measurement Plot Numbers

1. Test Position	2. Plot No.	3. Antenna	4. Test Channel
Tablet Bluetooth ON	21	B	6
Edge On Left	22	B	6
Edge On Right	23	A	6
Z-Axis graphs for Plots 22 and 23			
Edge On Top	24	A	6
	25	A	6
	26	A	6
Z-Axis graphs for Plots 24 to 26			
Edge On Top	27	B	6
	28	B	6
	29	B	6
Z-Axis graphs for Plots 27 to 29			
Edge On Top with Bluetooth On	30	A	6
Z-Axis graphs for Plot 30			

Table: Validation Plots

Plot 31	Validation 5200 MHz 15 June 2007
Plot 32	Validation 5500 MHz 14 June 2007
Plot 33	Validation 5800 MHz 12 June 2007
Plot 34	Validation 5800 MHz 13 June 2007
Z-Axis graphs for Plots 31 to 34	

Test Date: 15 June 2007

File Name: Tablet OFDM 5.2 Champlain Antenna A Bluetooth On Prescan 15-06-07.da4

DUT: Fujitsu Tablet Champlain with Atheros 11abg and Bluetooth; Type: AR5BxB6; Serial: ZX7323727

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

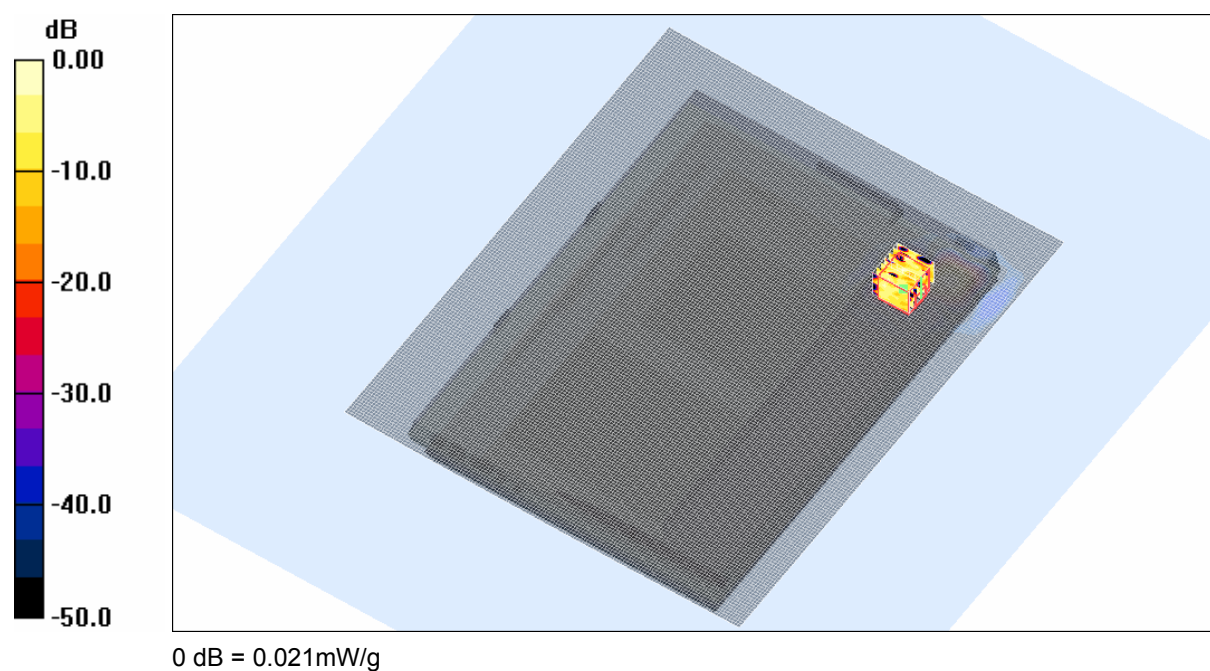
* Medium parameters used: $\sigma = 5.51949$ mho/m, $\epsilon_r = 50.2585$; $\rho = 1000$ kg/m³

- Electronics: DAE3 Sn442; Probe: EX3DV4 - SN3563; ConvF(3.84, 3.84, 3.84)

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

Channel 52 Test/Area Scan (141x171x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.016 mW/g



SAR MEASUREMENT PLOT 1

Ambient Temperature
Liquid Temperature
Humidity

21.8 Degrees Celsius
21.2 Degrees Celsius
34.0 %

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Test Date: 15 June 2007

File Name: Edge On Right OFDM 5.2 GHz Champlain Antenna A Bluetooth Off 15-06-07.da4

DUT: Fujitsu Tablet Champlain with Atheros 11abg and Bluetooth; Type: AR5BxB6; Serial: ZX7323727

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

* Medium parameters used: $\sigma = 5.51949$ mho/m, $\epsilon_r = 50.2585$; $\rho = 1000$ kg/m³

- Electronics: DAE3 Sn442; Probe: EX3DV4 - SN3563; ConvF(3.84, 3.84, 3.84)

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

Channel 52 Test/Area Scan (81x101x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.048 mW/g

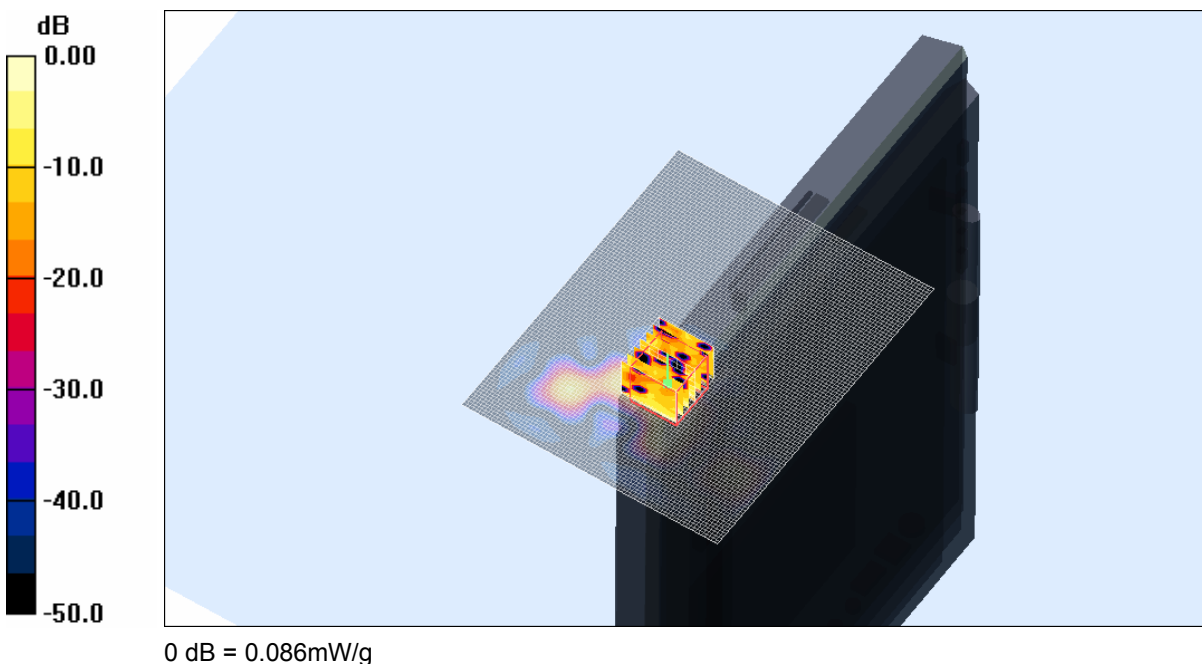
Channel 52 Test/Zoom Scan (7x7x8)/Cube 0: Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm

Reference Value = 2.76 V/m; Power Drift = -0.188 dB

Peak SAR (extrapolated) = 0.161 W/kg

SAR(1 g) = 0.037 mW/g; SAR(10 g) = 0.011 mW/g

Maximum value of SAR (measured) = 0.086 mW/g



SAR MEASUREMENT PLOT 2

Ambient Temperature
Liquid Temperature
Humidity

21.8 Degrees Celsius
21.2 Degrees Celsius
34.0 %

Test Date: 15 June 2007

File Name: Edge On Left OFDM 5.2 GHz Champlain Antenna B Bluetooth Off 15-06-07.da4

DUT: Fujitsu Tablet Champlain with Atheros 11abg and Bluetooth; Type: AR5BxB6; Serial: ZX7323727

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

* Medium parameters used: $\sigma = 5.51949$ mho/m, $\epsilon_r = 50.2585$; $\rho = 1000$ kg/m³

- Electronics: DAE3 Sn442; Probe: EX3DV4 - SN3563; ConvF(3.84, 3.84, 3.84)

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

Channel 52 Test/Area Scan (81x101x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.385 mW/g

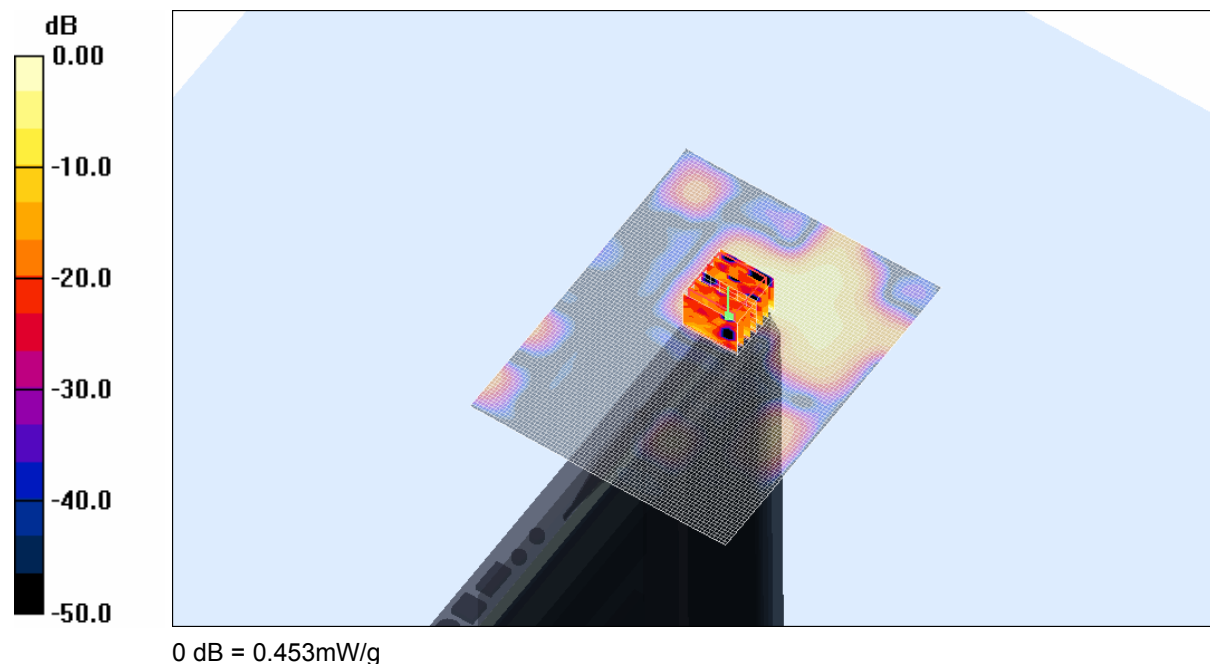
Channel 52 Test/Zoom Scan (7x7x8)/Cube 0: Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm

Reference Value = 5.38 V/m; Power Drift = -0.474 dB

Peak SAR (extrapolated) = 0.752 W/kg

SAR(1 g) = 0.198 mW/g; SAR(10 g) = 0.048 mW/g

Maximum value of SAR (measured) = 0.453 mW/g



SAR MEASUREMENT PLOT 3

Ambient Temperature
Liquid Temperature
Humidity

21.8 Degrees Celsius
21.2 Degrees Celsius
34.0 %

Test Date: 15 June 2007

File Name: Edge On Top OFDM 5.2 GHz Champlain Antenna A Bluetooth Off 15-06-07.da4

DUT: Fujitsu Tablet Champlain with Atheros 11abg and Bluetooth; Type: AR5BxB6; Serial: ZX7323727

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

* Medium parameters used: $\sigma = 5.51949 \text{ mho/m}$, $\epsilon_r = 50.2585$; $\rho = 1000 \text{ kg/m}^3$

- Electronics: DAE3 Sn442; Probe: EX3DV4 - SN3563; ConvF(3.84, 3.84, 3.84)

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

Channel 52 Test/Area Scan (81x101x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.553 mW/g

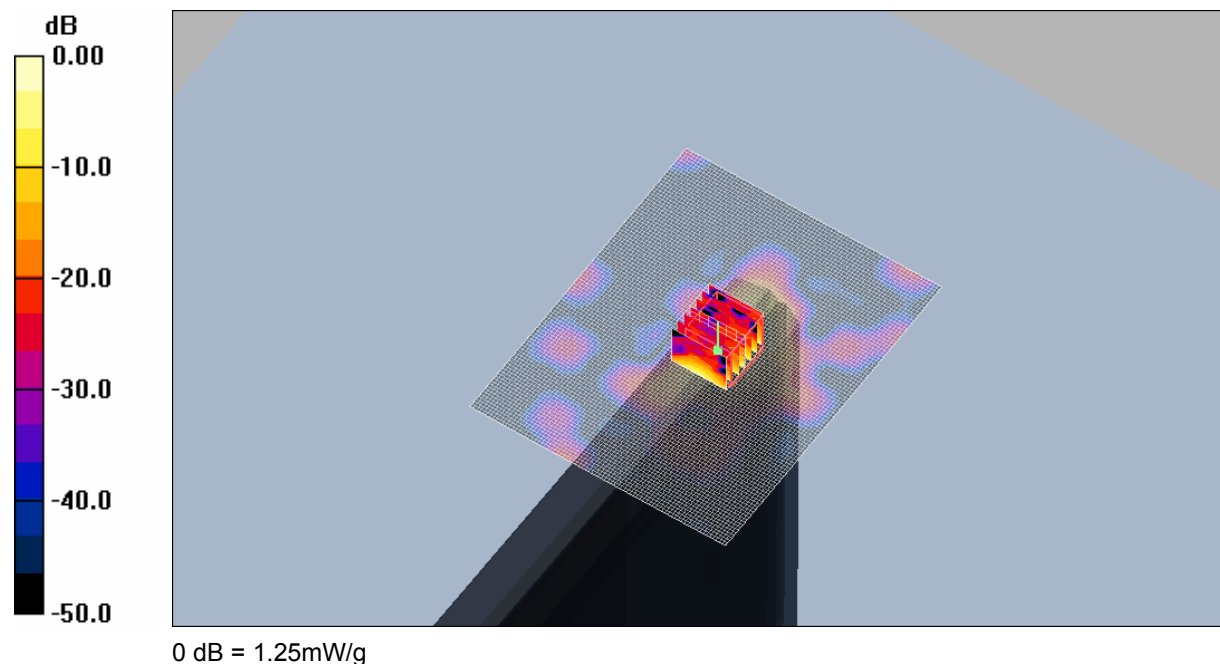
Channel 52 Test/Zoom Scan (7x7x8)/Cube 0: Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm

Reference Value = 7.91 V/m; Power Drift = 0.157 dB

Peak SAR (extrapolated) = 2.36 W/kg

SAR(1 g) = 0.564 mW/g; SAR(10 g) = 0.160 mW/g

Maximum value of SAR (measured) = 1.25 mW/g



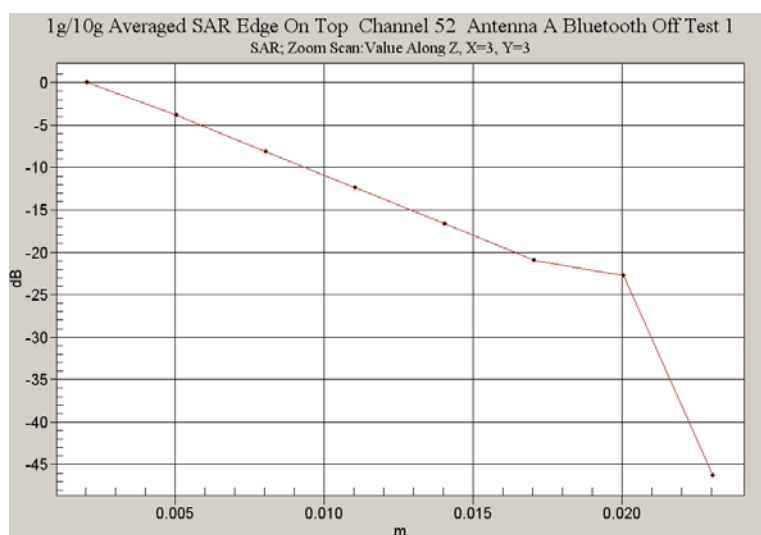
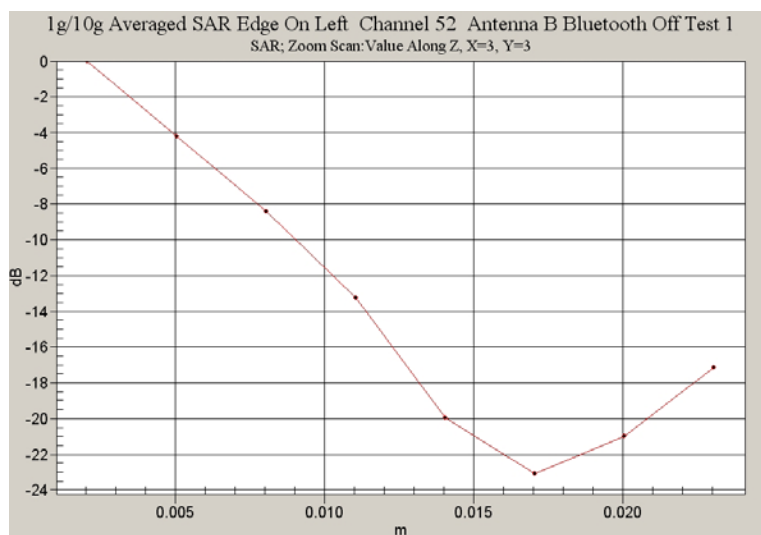
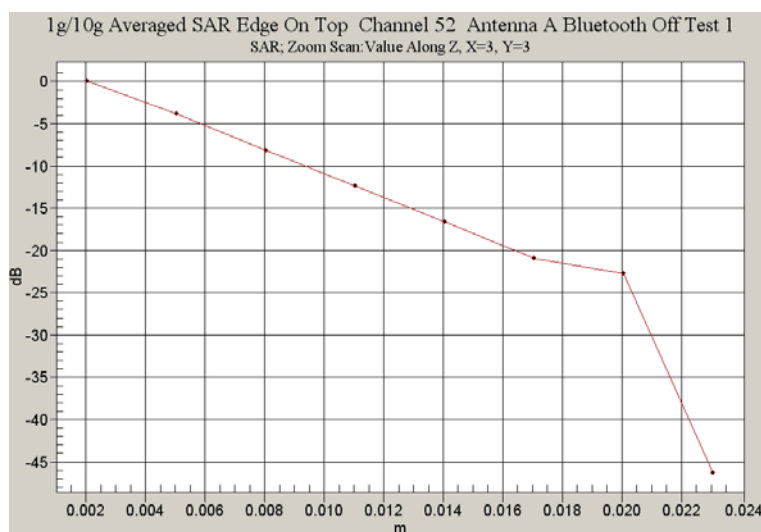
SAR MEASUREMENT PLOT 4

Ambient Temperature
Liquid Temperature
Humidity

21.8 Degrees Celsius
21.2 Degrees Celsius
34.0 %

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Test Date: 15 June 2007

File Name: Edge On Top OFDM 5.2 GHz Champlain Antenna B Bluetooth Off 15-06-07.da4

DUT: Fujitsu Tablet Champlain with Atheros 11abg and Bluetooth; Type: AR5BxB6; Serial: ZX7323727

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

* Medium parameters used: $\sigma = 5.27954 \text{ mho/m}$, $\epsilon_r = 50.3231$; $\rho = 1000 \text{ kg/m}^3$

- Electronics: DAE3 Sn442; Probe: EX3DV4 - SN3563; ConvF(3.84, 3.84, 3.84)

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

Channel 36 Test/Area Scan (81x101x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.845 mW/g

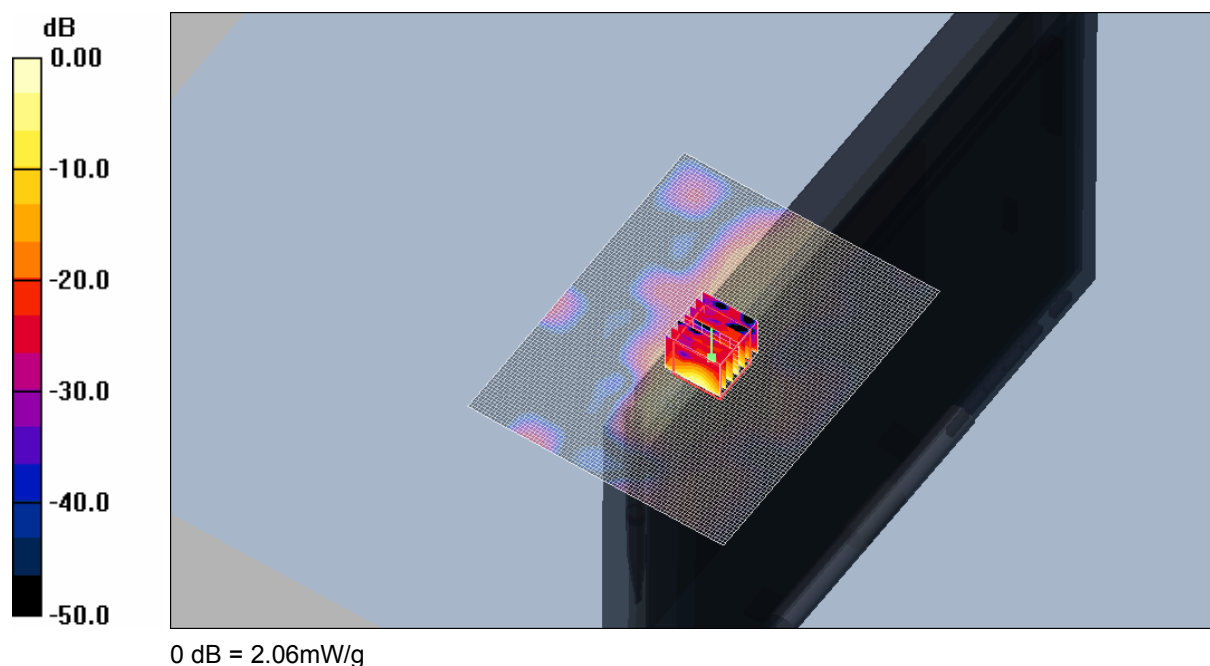
Channel 36 Test/Zoom Scan (7x7x8)/Cube 0: Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm

Reference Value = 10.5 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 4.16 W/kg

SAR(1 g) = 0.995 mW/g; SAR(10 g) = 0.273 mW/g

Maximum value of SAR (measured) = 2.06 mW/g



SAR MEASUREMENT PLOT 5

Ambient Temperature
Liquid Temperature
Humidity

21.8 Degrees Celsius
21.2 Degrees Celsius
34.0 %

Test Date: 15 June 2007

File Name: Edge On Top OFDM 5.2 GHz Champlain Antenna B Bluetooth Off 15-06-07.da4

DUT: Fujitsu Tablet Champlain with Atheros 11abg and Bluetooth; Type: AR5BxB6; Serial: ZX7323727

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

* Medium parameters used: $\sigma = 5.51949$ mho/m, $\epsilon_r = 50.2585$; $\rho = 1000$ kg/m³

- Electronics: DAE3 Sn442; Probe: EX3DV4 - SN3563; ConvF(3.84, 3.84, 3.84)

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

Channel 52 Test/Area Scan (81x101x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.904 mW/g

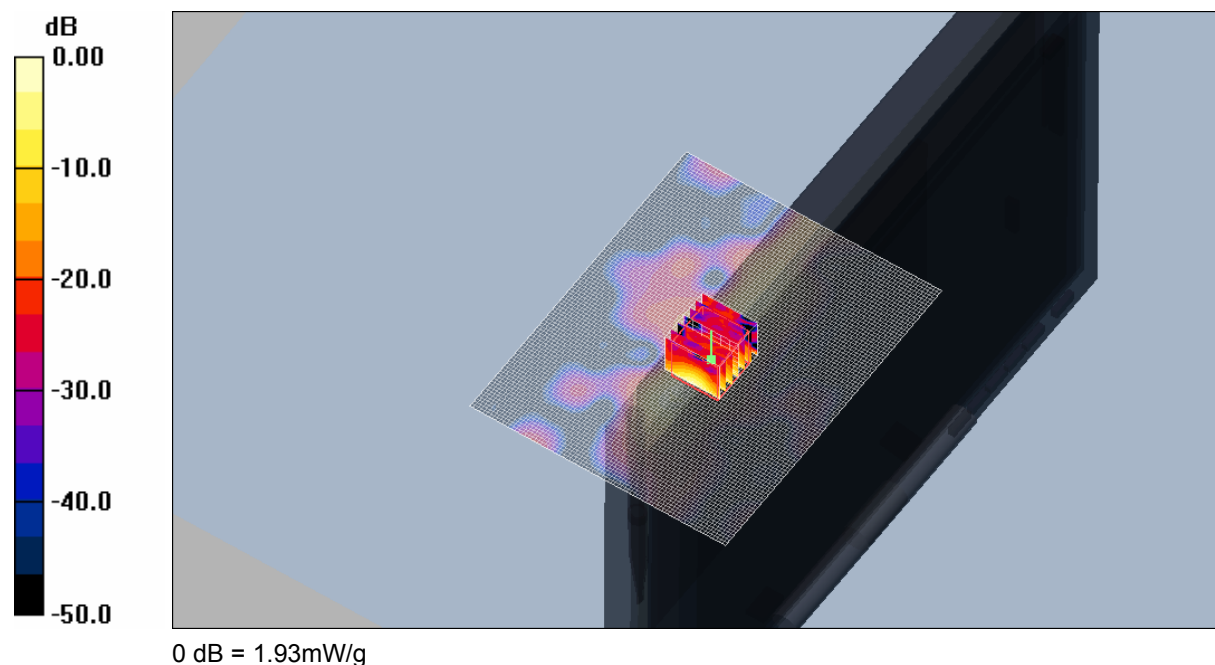
Channel 52 Test/Zoom Scan (7x7x8)/Cube 0: Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm

Reference Value = 9.57 V/m; Power Drift = -0.066 dB

Peak SAR (extrapolated) = 3.83 W/kg

SAR(1 g) = 0.948 mW/g; SAR(10 g) = 0.267 mW/g

Maximum value of SAR (measured) = 1.93 mW/g



SAR MEASUREMENT PLOT 6

Ambient Temperature
Liquid Temperature
Humidity

21.8 Degrees Celsius
21.2 Degrees Celsius
34.0 %

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Test Date: 15 June 2007

File Name: Edge On Top OFDM 5.2 GHz Champlain Antenna B Bluetooth Off 15-06-07.da4

DUT: Fujitsu Tablet Champlain with Atheros 11abg and Bluetooth; Type: AR5BxB6; Serial: ZX7323727

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

* Medium parameters used: $\sigma = 5.59476$ mho/m, $\epsilon_r = 49.92$; $\rho = 1000$ kg/m³

- Electronics: DAE3 Sn442; Probe: EX3DV4 - SN3563; ConvF(3.84, 3.84, 3.84)

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

Channel 64 Test/Area Scan (81x101x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.738 mW/g

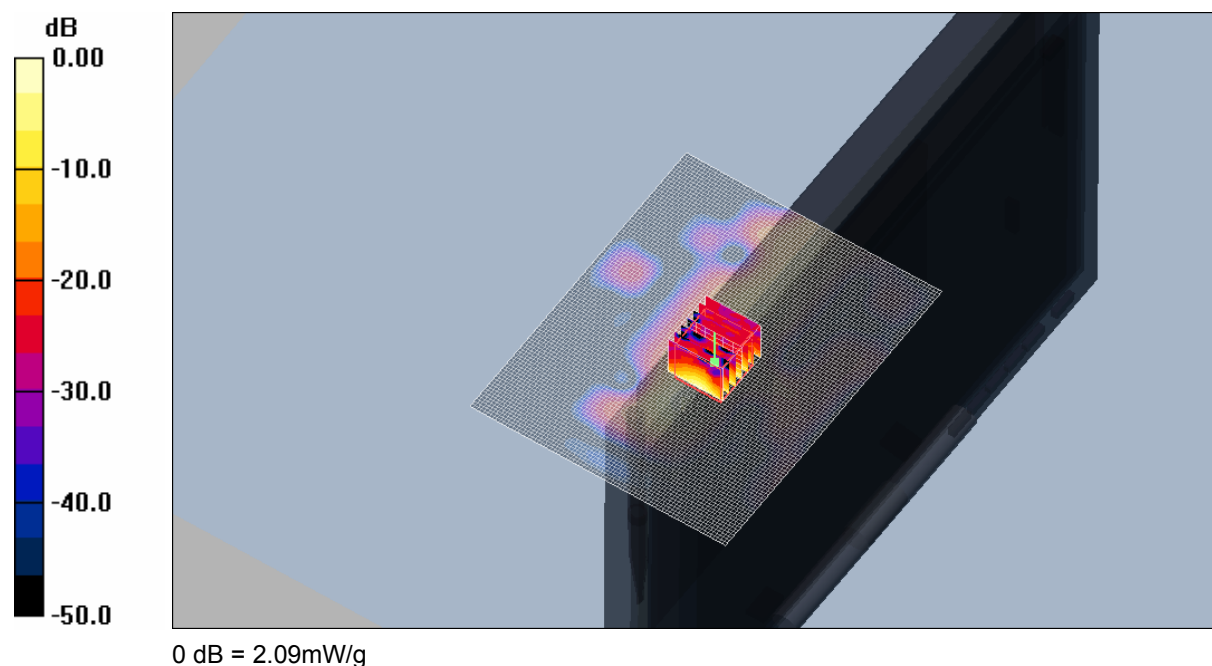
Channel 64 Test/Zoom Scan (7x7x8)/Cube 0: Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm

Reference Value = 12.8 V/m; Power Drift = -0.050 dB

Peak SAR (extrapolated) = 3.96 W/kg

SAR(1 g) = 1.02 mW/g; SAR(10 g) = 0.29 mW/g

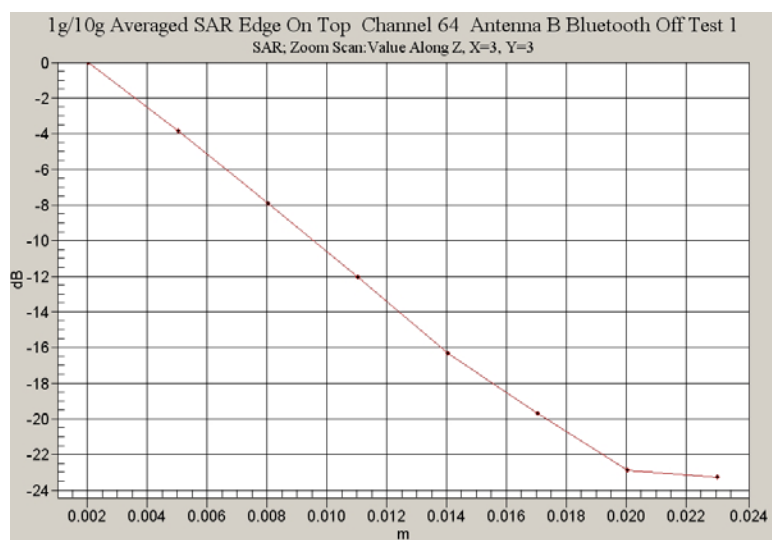
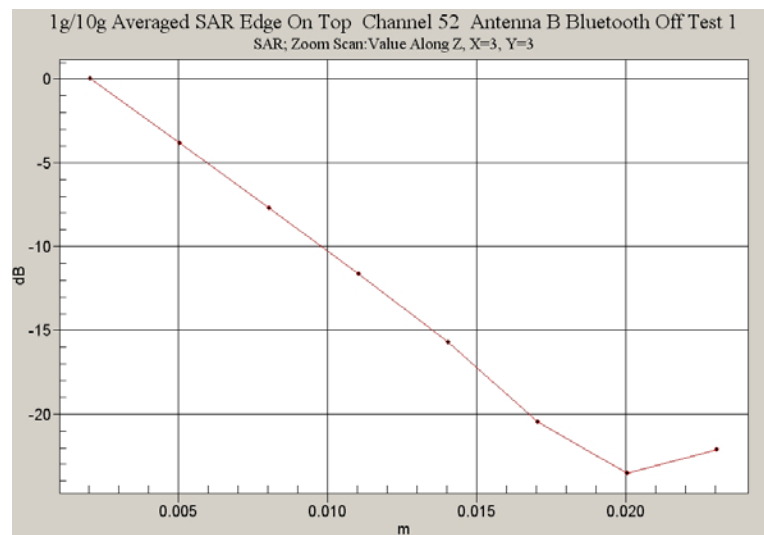
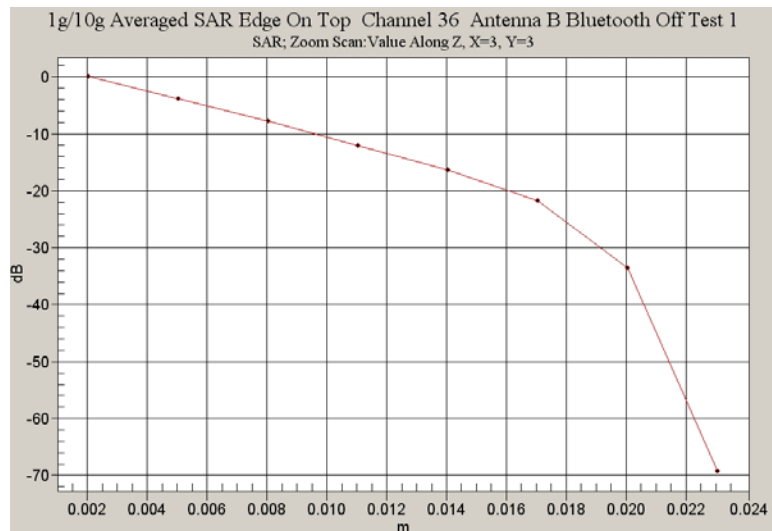
Maximum value of SAR (measured) = 2.09 mW/g



SAR MEASUREMENT PLOT 7

Ambient Temperature
Liquid Temperature
Humidity

21.8 Degrees Celsius
21.2 Degrees Celsius
34.0 %



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Test Date: 15 June 2007

File Name: Edge On Top OFDM 5.2 GHz Champlain Antenna B Bluetooth On 15-06-07.da4

DUT: Fujitsu Tablet Champlain with Atheros 11abg and Bluetooth; Type: AR5BxB6; Serial: ZX7323727

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

* Medium parameters used: $\sigma = 5.59476$ mho/m, $\epsilon_r = 49.92$; $\rho = 1000$ kg/m³

- Electronics: DAE3 Sn442; Probe: EX3DV4 - SN3563; ConvF(3.84, 3.84, 3.84)

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

Channel 64 Test/Area Scan (81x101x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.731 mW/g

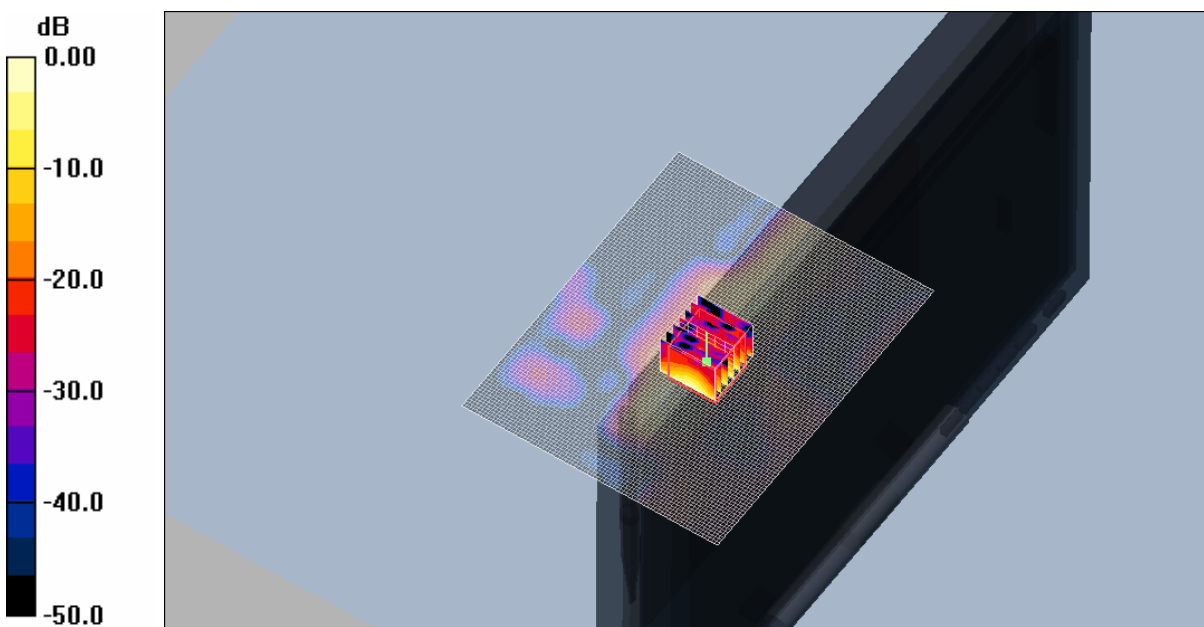
Channel 64 Test/Zoom Scan (7x7x8)/Cube 0: Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm

Reference Value = 12.6 V/m; Power Drift = -0.116 dB

Peak SAR (extrapolated) = 3.97 W/kg

SAR(1 g) = 1.02 mW/g; SAR(10 g) = 0.293 mW/g

Maximum value of SAR (measured) = 2.08 mW/g



0 dB = 2.08mW/g

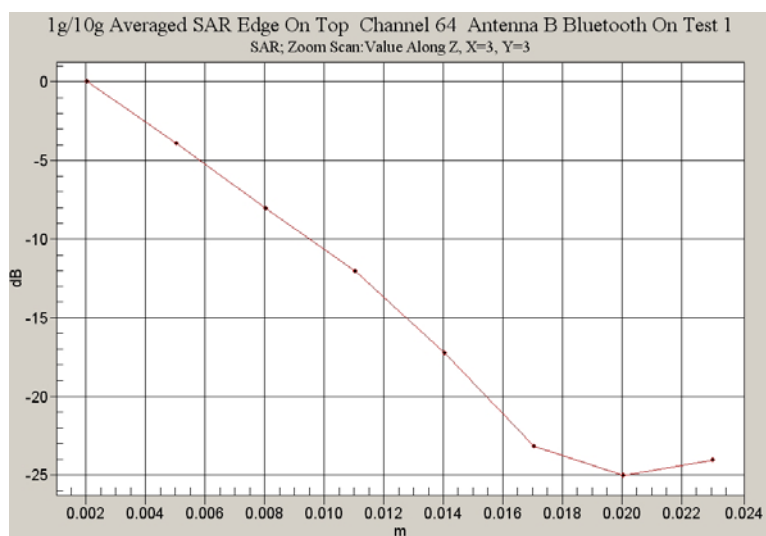
SAR MEASUREMENT PLOT 8

Ambient Temperature
Liquid Temperature
Humidity

21.8 Degrees Celsius
21.2 Degrees Celsius
34.0 %

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Test Date: 14 June 2007

File Name: Tablet OFDM 5.6 Champlain Antenna B Bluetooth On Prescan 14-06-07.da4

DUT: Fujitsu Tablet Champlain with Atheros 11abg and Bluetooth; Type: AR5BxB6; Serial: ZX7323727

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

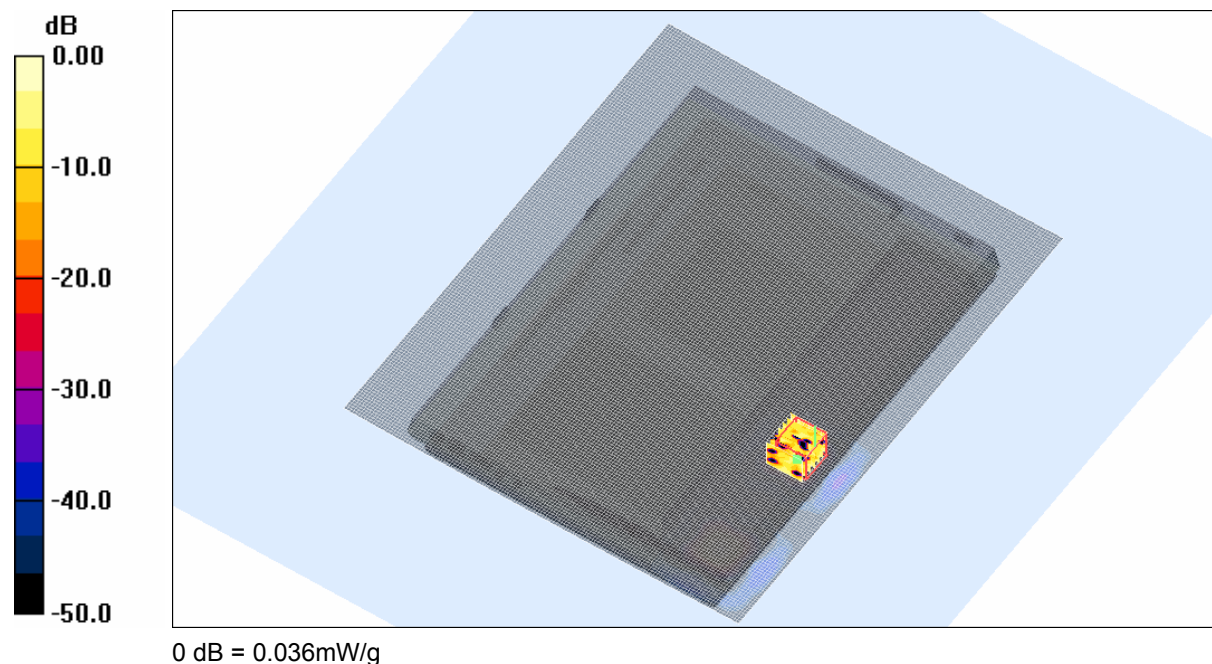
* Medium parameters used: $\sigma = 6.15964$ mho/m, $\epsilon_r = 47.9457$; $\rho = 1000$ kg/m³

- Electronics: DAE3 Sn442; Probe: EX3DV4 - SN3563; ConvF(3.63, 3.63, 3.63)

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

Channel 120 Test/Area Scan (141x171x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.030 mW/g



SAR MEASUREMENT PLOT 9

Ambient Temperature
Liquid Temperature
Humidity

21.5 Degrees Celsius
21.2 Degrees Celsius
34.0 %

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Test Date: 14 June 2007

File Name: Edge On Right OFDM 5.6 GHz Champlain Antenna A Bluetooth Off Prescan 14-06-07.da4

DUT: Fujitsu Tablet Champlain with Atheros 11abg and Bluetooth; Type: AR5BxB6; Serial: ZX7323727

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

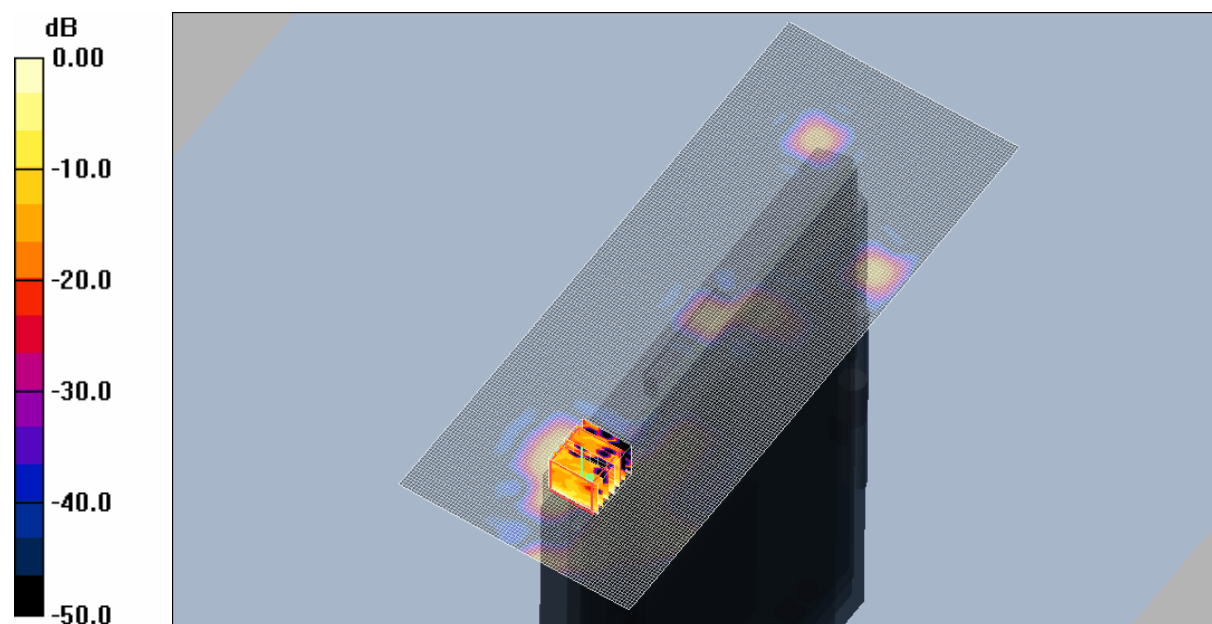
* Medium parameters used: $\sigma = 6.15964$ mho/m, $\epsilon_r = 47.9457$; $\rho = 1000$ kg/m³

- Electronics: DAE3 Sn442; Probe: EX3DV4 - SN3563; ConvF(3.63, 3.63, 3.63)

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

Channel 120 Test/Area Scan (81x201x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.096 mW/g



0 dB = 0.183mW/g

SAR MEASUREMENT PLOT 10

Ambient Temperature

Liquid Temperature

Humidity

21.5 Degrees Celsius

21.2 Degrees Celsius

34.0 %

Test Date: 14 June 2007

File Name: Edge On Left OFDM 5.6 GHz Champlain Antenna B Bluetooth Off Prescan 14-06-07.da4

DUT: Fujitsu Tablet Champlain with Atheros 11abg and Bluetooth; Type: AR5BxB6; Serial: ZX7323727

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

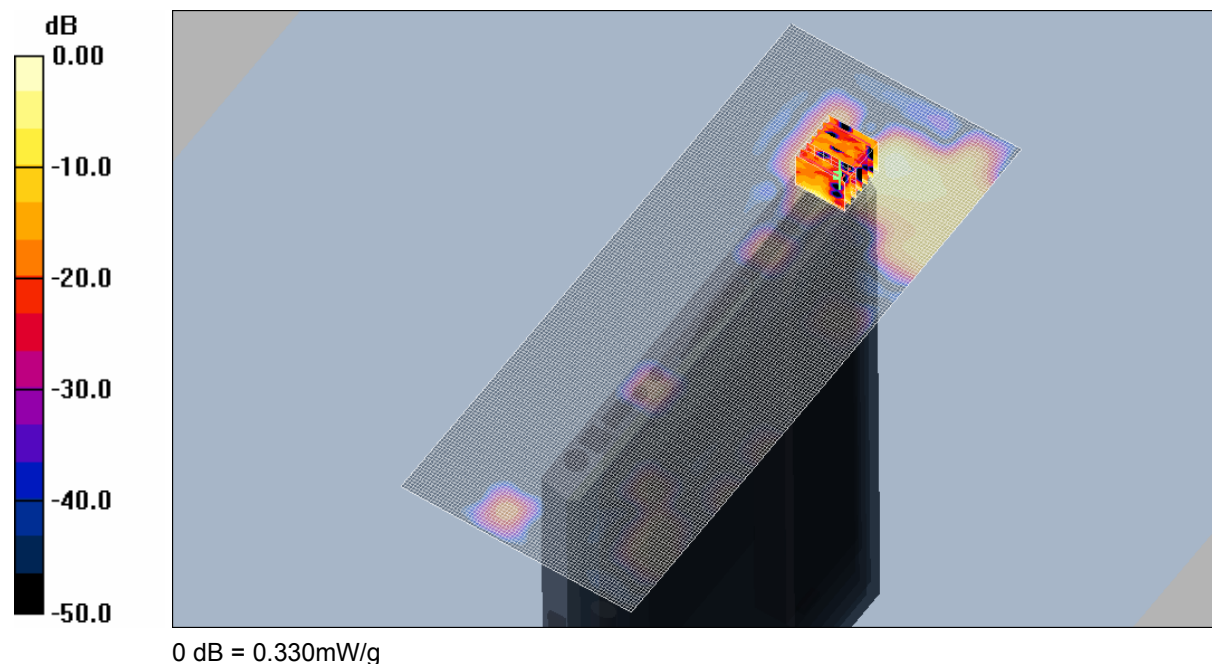
* Medium parameters used: $\sigma = 6.15964$ mho/m, $\epsilon_r = 47.9457$; $\rho = 1000$ kg/m³

- Electronics: DAE3 Sn442; Probe: EX3DV4 - SN3563; ConvF(3.63, 3.63, 3.63)

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

Channel 120 Test/Area Scan (81x201x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.173 mW/g



SAR MEASUREMENT PLOT 11

Ambient Temperature
Liquid Temperature
Humidity

21.5 Degrees Celsius
21.2 Degrees Celsius
34.0 %

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Test Date: 14 June 2007

File Name: Edge On Top OFDM 5.6 GHz Champlain Antenna A Bluetooth Off Prescan 14-06-07.da4

DUT: Fujitsu Tablet Champlain with Atheros 11abg and Bluetooth; Type: AR5BxB6; Serial: ZX7323727

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

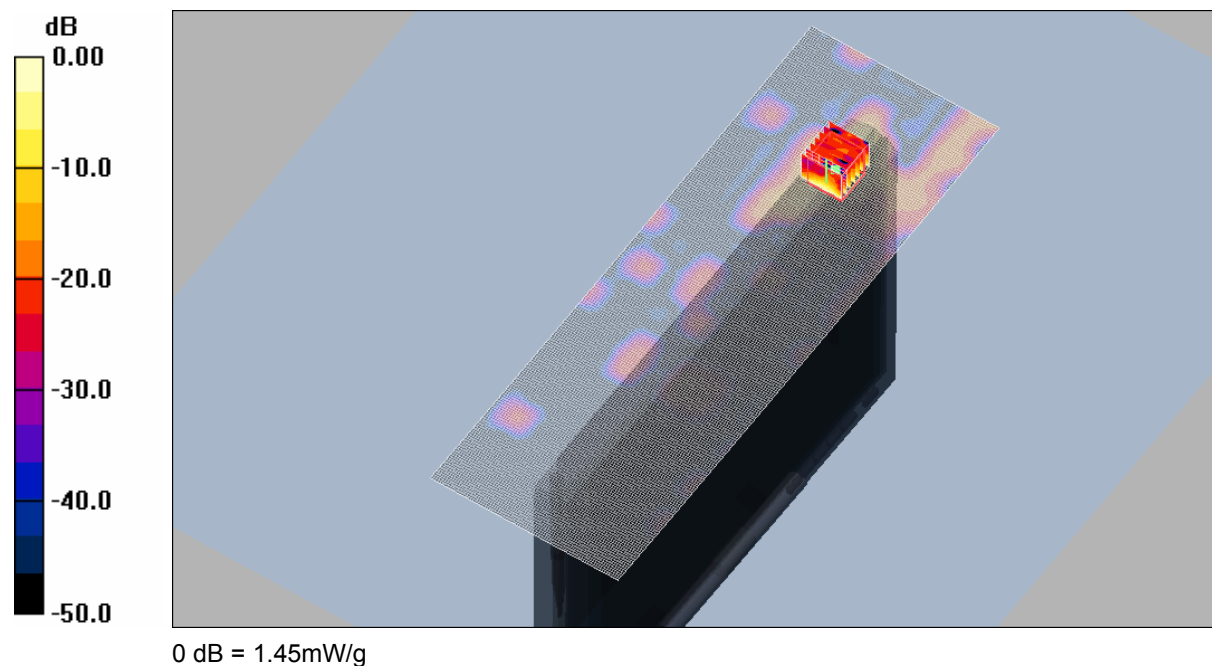
* Medium parameters used: $\sigma = 6.15964$ mho/m, $\epsilon_r = 47.9457$; $\rho = 1000$ kg/m³

- Electronics: DAE3 Sn442; Probe: EX3DV4 - SN3563; ConvF(3.63, 3.63, 3.63)

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

Channel 120 Test/Area Scan (81x241x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.536 mW/g



SAR MEASUREMENT PLOT 12

Ambient Temperature
Liquid Temperature
Humidity

21.5 Degrees Celsius
21.2 Degrees Celsius
34.0 %

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Test Date: 14 June 2007

File Name: Edge On Top OFDM 5.6 GHz Champlain Antenna B Bluetooth On Prescan 14-06-07.da4

DUT: Fujitsu Tablet Champlain with Atheros 11abg and Bluetooth; Type: AR5BxB6; Serial: ZX7323727

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

* Medium parameters used: $\sigma = 6.15964$ mho/m, $\epsilon_r = 47.9457$; $\rho = 1000$ kg/m³

- Electronics: DAE3 Sn442; Probe: EX3DV4 - SN3563; ConvF(3.63, 3.63, 3.63)

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

Channel 120 Test/Area Scan (81x241x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.555 mW/g

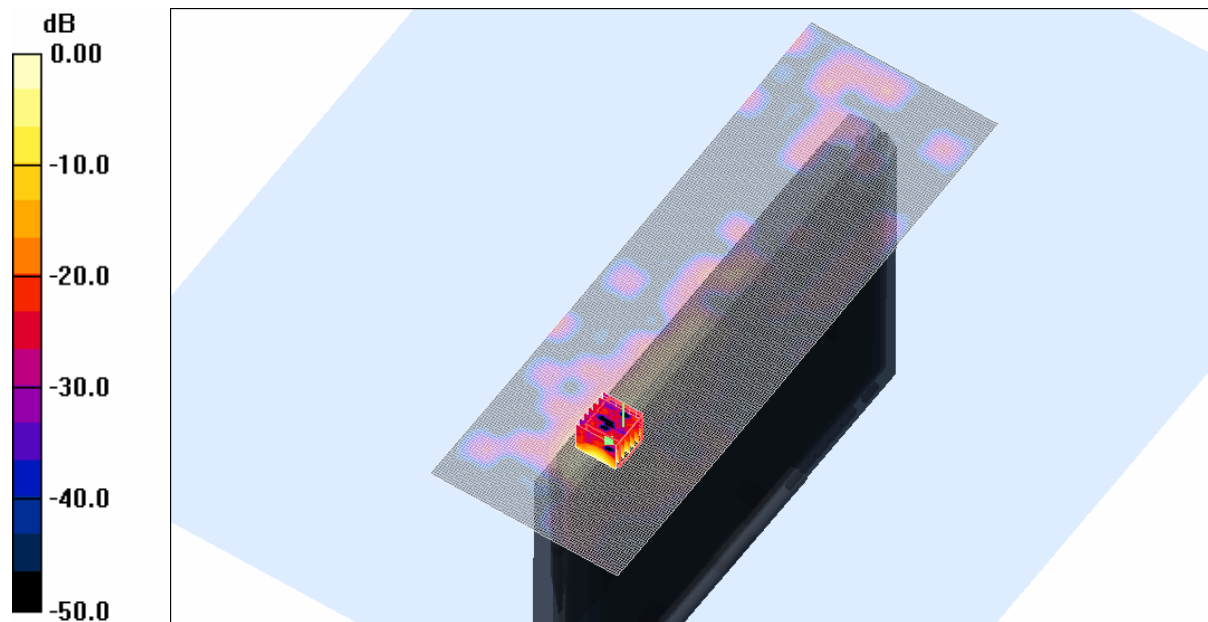
Channel 120 Test/Zoom Scan (7x7x8)/Cube 0: Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm

Reference Value = 13.1 V/m; Power Drift = -0.171 dB

Peak SAR (extrapolated) = 5.47 W/kg

SAR(1 g) = 0.854 mW/g; SAR(10 g) = 0.258 mW/g

Maximum value of SAR (measured) = 2.46 mW/g



0 dB = 2.46mW/g

SAR MEASUREMENT PLOT 13

Ambient Temperature

21.5 Degrees Celsius

Liquid Temperature

21.2 Degrees Celsius

Humidity

34.0 %

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Test Date: 14 June 2007

File Name: Edge On Top OFDM 5.6 GHz Champlain Antenna A Bluetooth Off 14-06-07.da4

DUT: Fujitsu Tablet Champlain with Atheros 11abg and Bluetooth; Type: AR5BxB6; Serial: ZX7323727

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

* Medium parameters used: $\sigma = 6.15964$ mho/m, $\epsilon_r = 47.9457$; $\rho = 1000$ kg/m³

- Electronics: DAE3 Sn442; Probe: EX3DV4 - SN3563; ConvF(3.63, 3.63, 3.63)

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

Channel 120 Test/Area Scan (81x101x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.486 mW/g

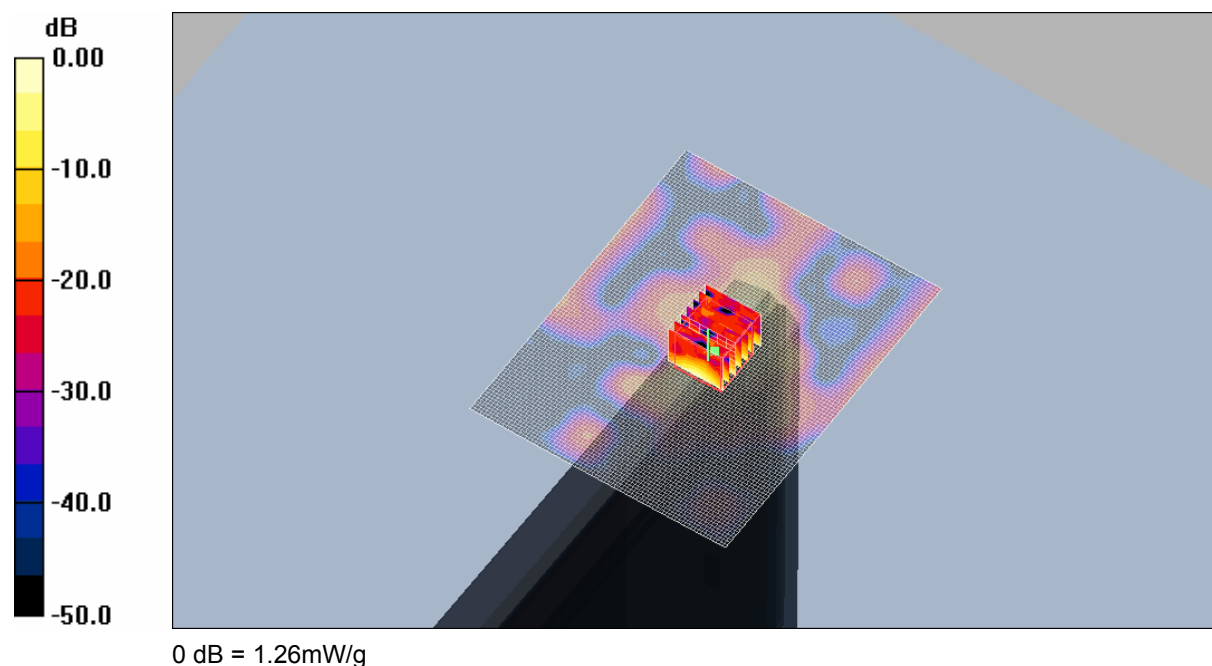
Channel 120 Test/Zoom Scan (7x7x8)/Cube 0: Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm

Reference Value = 7.39 V/m; Power Drift = 0.076 dB

Peak SAR (extrapolated) = 2.81 W/kg

SAR(1 g) = 0.630 mW/g; SAR(10 g) = 0.186 mW/g

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



SAR MEASUREMENT PLOT 14

Ambient Temperature
Liquid Temperature
Humidity

21.5 Degrees Celsius
21.2 Degrees Celsius
34.0 %

Test Date: 14 June 2007

File Name: Edge On Right OFDM 5.6 GHz Champlain Antenna A Bluetooth Off 14-06-07.da4

DUT: Fujitsu Tablet Champlain with Atheros 11abg and Bluetooth; Type: AR5BxB6; Serial: ZX7323727

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

* Medium parameters used: $\sigma = 6.15964 \text{ mho/m}$, $\epsilon_r = 47.9457$; $\rho = 1000 \text{ kg/m}^3$

- Electronics: DAE3 Sn442; Probe: EX3DV4 - SN3563; ConvF(3.63, 3.63, 3.63)

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

Channel 120 Test/Area Scan (81x101x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.127 mW/g

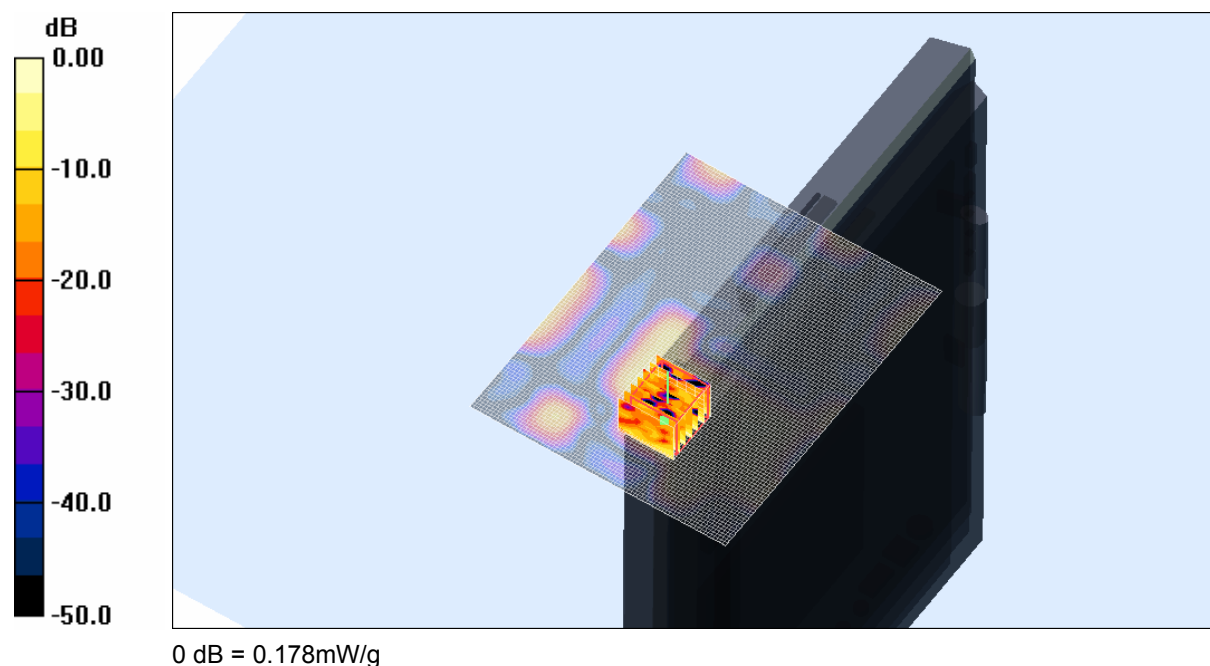
Channel 120 Test/Zoom Scan (7x7x8)/Cube 0: Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm

Reference Value = 3.98 V/m; Power Drift = -0.082 dB

Peak SAR (extrapolated) = 0.355 W/kg

SAR(1 g) = 0.073 mW/g; SAR(10 g) = 0.024 mW/g

Maximum value of SAR (measured) = 0.178 mW/g



SAR MEASUREMENT PLOT 15

Ambient Temperature
Liquid Temperature
Humidity

21.5 Degrees Celsius
21.2 Degrees Celsius
34.0 %

Test Date: 14 June 2007

File Name: Edge On Left OFDM 5.6 GHz Champlain Antenna B Bluetooth Off 14-06-07.da4

DUT: Fujitsu Tablet Champlain with Atheros 11abg and Bluetooth; Type: AR5BxB6; Serial: ZX7323727

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

* Medium parameters used: $\sigma = 6.15964$ mho/m, $\epsilon_r = 47.9457$; $\rho = 1000$ kg/m³

- Electronics: DAE3 Sn442; Probe: EX3DV4 - SN3563; ConvF(3.63, 3.63, 3.63)

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

Channel 120 Test/Area Scan (81x101x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.234 mW/g

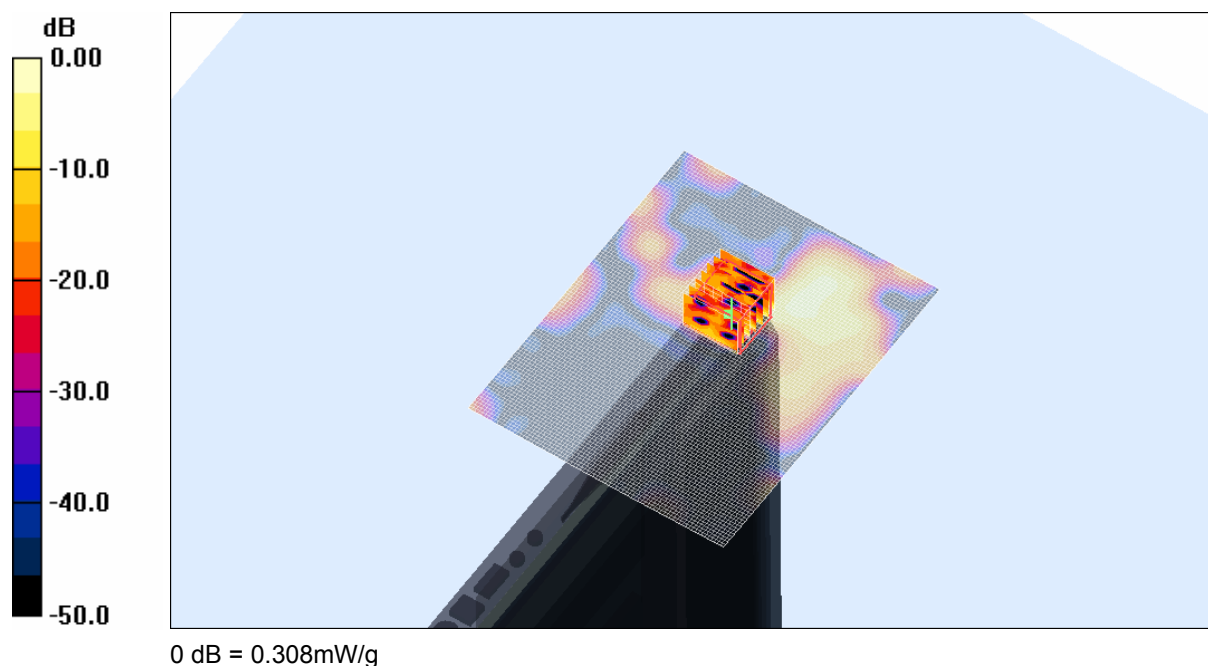
Channel 120 Test/Zoom Scan (7x7x8)/Cube 0: Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm

Reference Value = 2.56 V/m; Power Drift = 0.482 dB

Peak SAR (extrapolated) = 0.533 W/kg

SAR(1 g) = 0.127 mW/g; SAR(10 g) = 0.038 mW/g

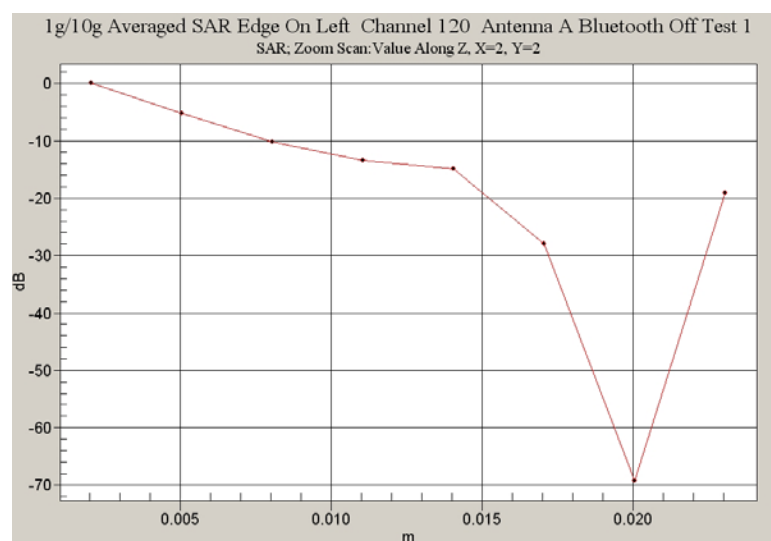
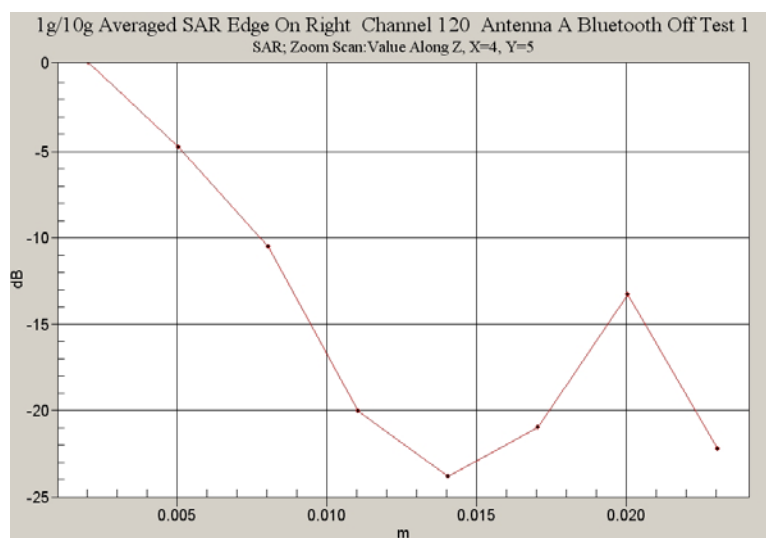
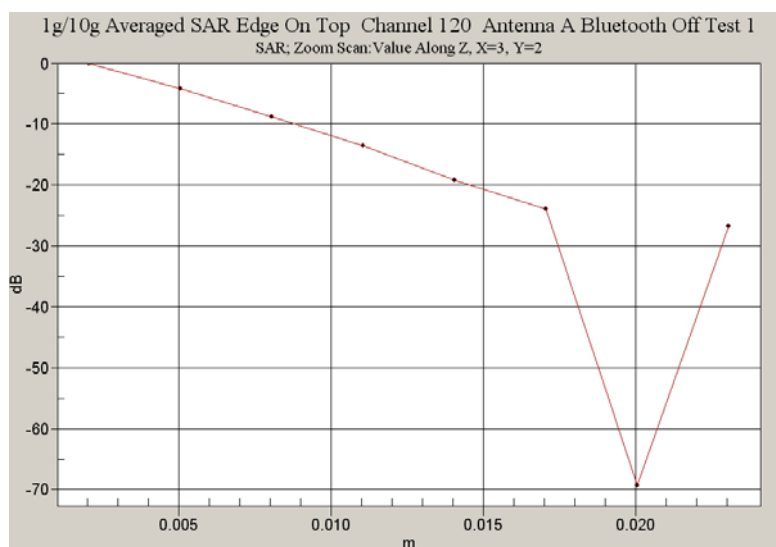
Maximum value of SAR (measured) = 0.308 mW/g



SAR MEASUREMENT PLOT 16

Ambient Temperature
Liquid Temperature
Humidity

21.5 Degrees Celsius
21.2 Degrees Celsius
34.0 %



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Test Date: 14 June 2007

File Name: Edge On Top OFDM 5.6 GHz Champlain Antenna B Bluetooth Off 14-06-07.da4

DUT: **Fujitsu Tablet Champlain with Atheros 11abg and Bluetooth; Type: AR5BxB6; Serial: ZX7323727**

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

* Medium parameters used: $\sigma = 5.94699 \text{ mho/m}$, $\epsilon_r = 48.3204$; $\rho = 1000 \text{ kg/m}^3$

- Electronics: DAE3 Sn442; Probe: EX3DV4 - SN3563; ConvF(3.63, 3.63, 3.63)

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

Channel 100 Test/Area Scan (81x101x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.629 mW/g

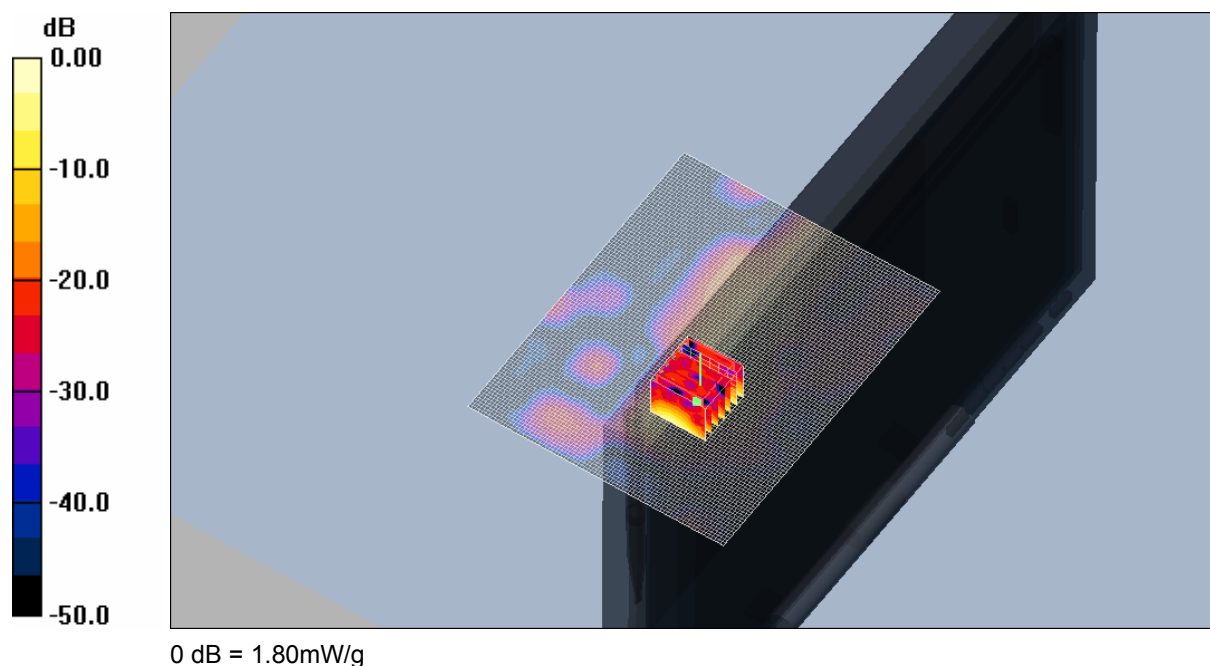
Channel 100 Test/Zoom Scan (7x7x8)/Cube 0: Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm

Reference Value = 16.8 V/m; Power Drift = -0.415 dB

Peak SAR (extrapolated) = 3.77 W/kg

SAR(1 g) = 0.886 mW/g; SAR(10 g) = 0.246 mW/g

Maximum value of SAR (measured) = 1.80 mW/g



SAR MEASUREMENT PLOT 17

Ambient Temperature
Liquid Temperature
Humidity

21.5 Degrees Celsius
21.2 Degrees Celsius
34.0 %

Test Date: 14 June 2007

File Name: Edge On Top OFDM 5.6 GHz Champlain Antenna B Bluetooth Off 14-06-07.da4

DUT: Fujitsu Tablet Champlain with Atheros 11abg and Bluetooth; Type: AR5BxB6; Serial: ZX7323727

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

* Medium parameters used: $\sigma = 6.15964$ mho/m, $\epsilon_r = 47.9457$; $\rho = 1000$ kg/m³

- Electronics: DAE3 Sn442; Probe: EX3DV4 - SN3563; ConvF(3.63, 3.63, 3.63)

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

Channel 120 Test/Area Scan (81x101x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.508 mW/g

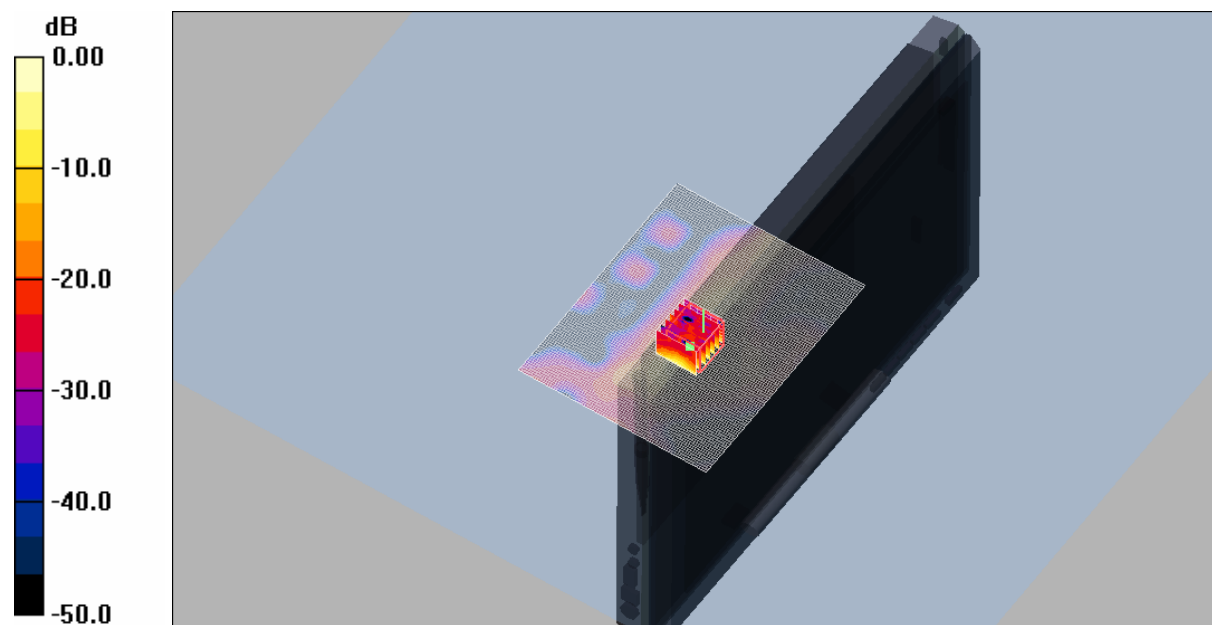
Channel 120 Test/Zoom Scan (7x7x8)/Cube 0: Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm

Reference Value = 13.2 V/m; Power Drift = -0.037 dB

Peak SAR (extrapolated) = 5.03 W/kg

SAR(1 g) = 0.785 mW/g; SAR(10 g) = 0.253 mW/g

Maximum value of SAR (measured) = 2.22 mW/g



0 dB = 2.22mW/g

SAR MEASUREMENT PLOT 18

Ambient Temperature

21.5 Degrees Celsius

Liquid Temperature

21.2 Degrees Celsius

Humidity

34.0 %

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Test Date: 14 June 2007

File Name: Edge On Top OFDM 5.6 GHz Champlain Antenna B Bluetooth Off 14-06-07.da4

DUT: Fujitsu Tablet Champlain with Atheros 11abg and Bluetooth; Type: AR5BxB6; Serial: ZX7323727

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

* Medium parameters used: $\sigma = 6.35512$ mho/m, $\epsilon_r = 47.5747$; $\rho = 1000$ kg/m³

- Electronics: DAE3 Sn442; Probe: EX3DV4 - SN3563; ConvF(3.63, 3.63, 3.63)

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

Channel 140 Test/Area Scan (81x101x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.786 mW/g

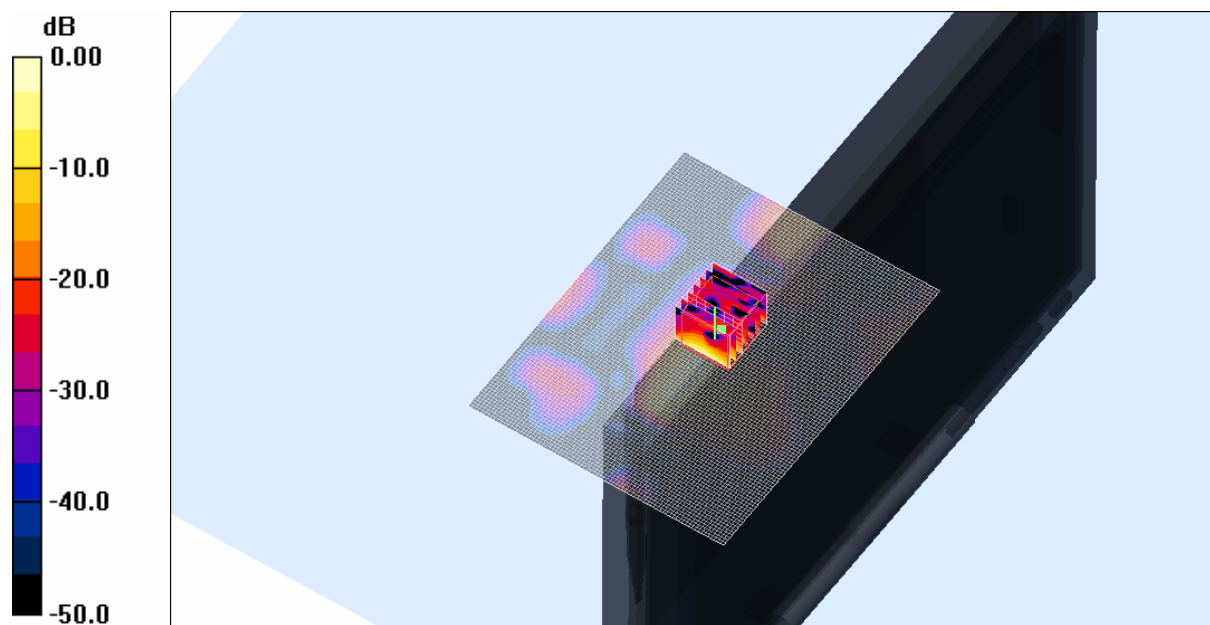
Channel 140 Test/Zoom Scan (7x7x8)/Cube 0: Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm

Reference Value = 6.73 V/m; Power Drift = -0.032 dB

Peak SAR (extrapolated) = 4.46 W/kg

SAR(1 g) = 0.799 mW/g; SAR(10 g) = 0.167 mW/g

Maximum value of SAR (measured) = 1.93 mW/g



0 dB = 1.93mW/g

SAR MEASUREMENT PLOT 19

Ambient Temperature

21.5 Degrees Celsius

Liquid Temperature

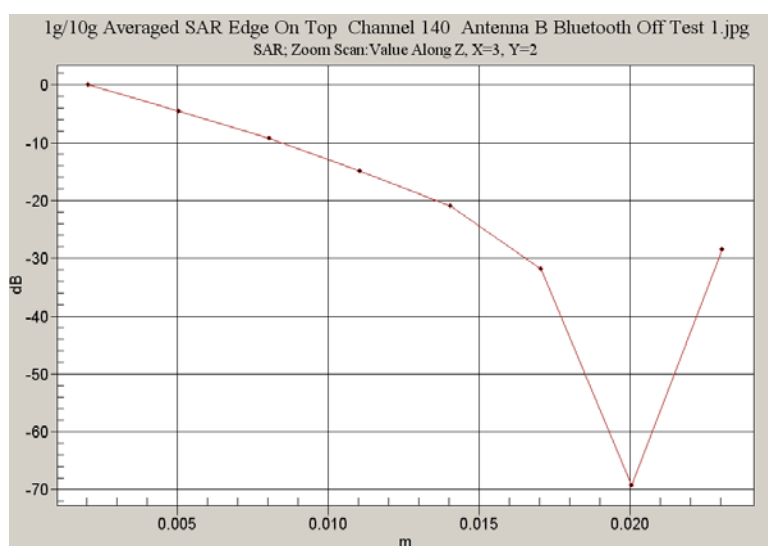
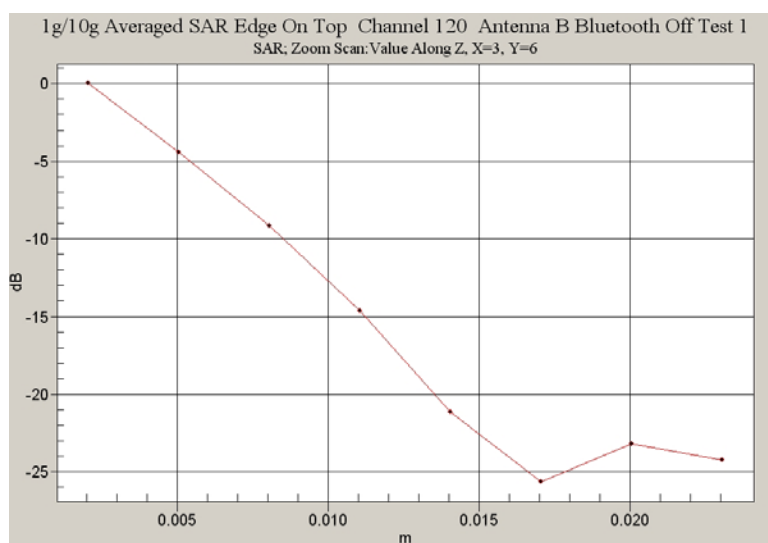
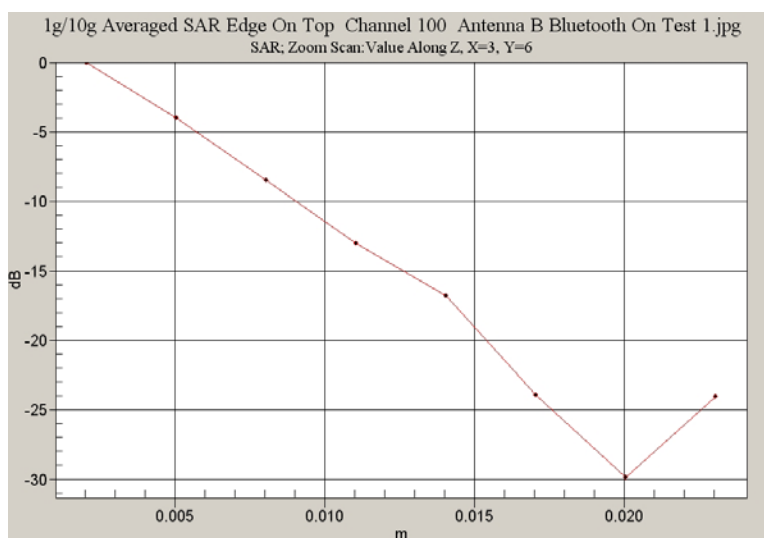
21.2 Degrees Celsius

Humidity

34.0 %

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Test Date: 14 June 2007

File Name: Edge On Top OFDM 5.6 GHz Champlain Antenna B Bluetooth On 14-06-07.da4

DUT: Fujitsu Tablet Champlain with Atheros 11abg and Bluetooth; Type: AR5BxB6; Serial: ZX7323727

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

* Medium parameters used: $\sigma = 5.94699$ mho/m, $\epsilon_r = 48.3204$; $\rho = 1000$ kg/m³

- Electronics: DAE3 Sn442; Probe: EX3DV4 - SN3563; ConvF(3.63, 3.63, 3.63)

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

Channel 100 Test/Area Scan (81x101x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.998 mW/g

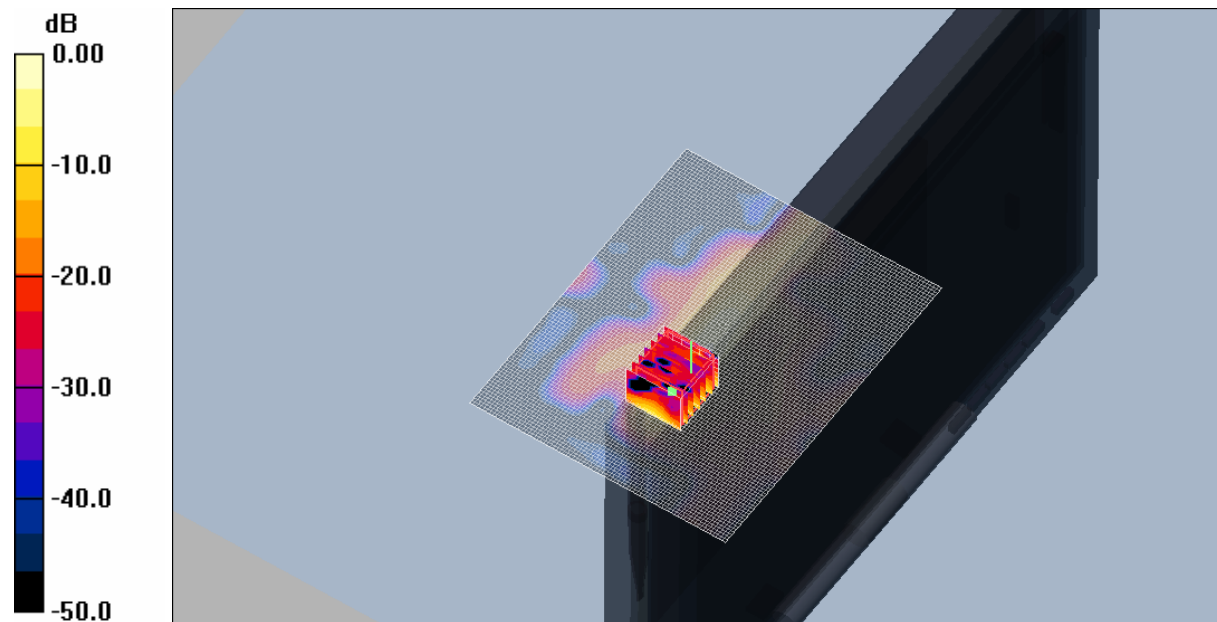
Channel 100 Test/Zoom Scan (7x7x8)/Cube 0: Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm

Reference Value = 8.44 V/m; Power Drift = -0.202 dB

Peak SAR (extrapolated) = 3.50 W/kg

SAR(1 g) = 0.756 mW/g; SAR(10 g) = 0.213 mW/g

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



0 dB = 1.82mW/g

SAR MEASUREMENT PLOT 20

Ambient Temperature

21.5 Degrees Celsius

Liquid Temperature

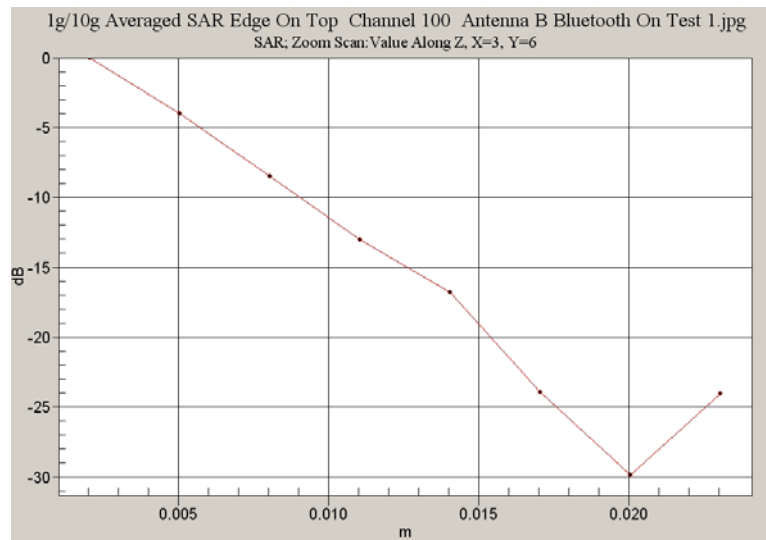
21.2 Degrees Celsius

Humidity

34.0 %

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Test Date: 12 June 2007

File Name: Tablet OFDM 5.8 Champlain Antenna B Bluetooth On Prescan 12-06-07.da4

DUT: Fujitsu Tablet Champlain with Atheros 11abg and Bluetooth; Type: AR5BxB6; Serial: ZX7323727

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

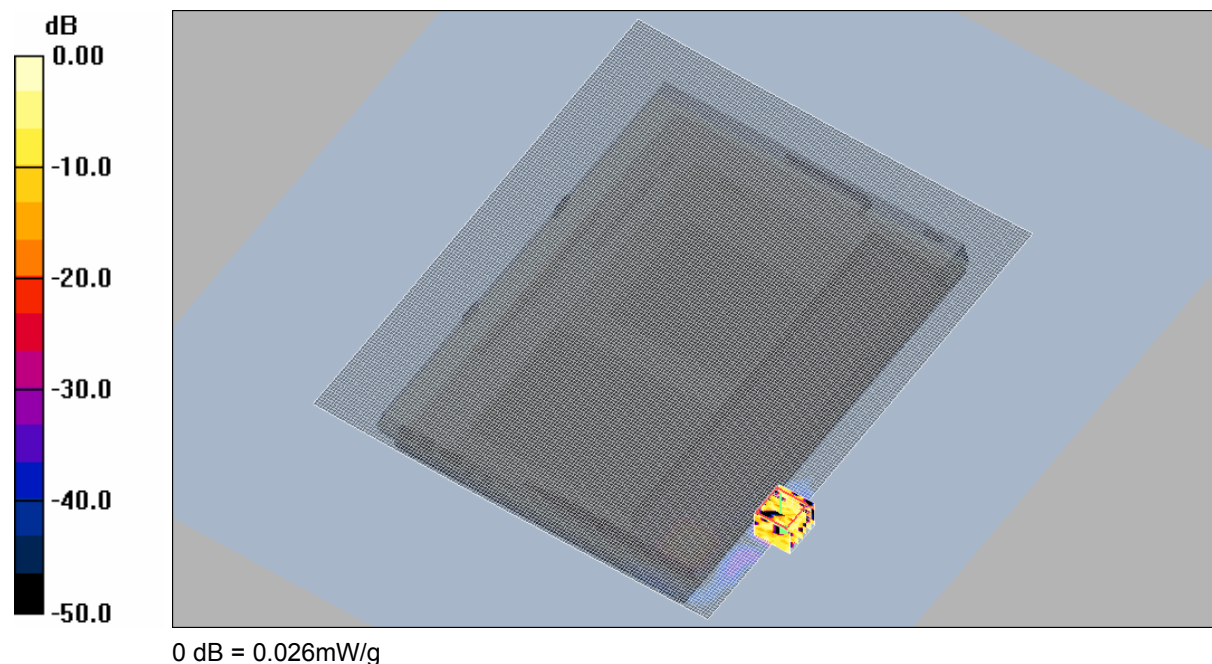
* Medium parameters used: $\sigma = 6.07675$ mho/m, $\epsilon_r = 47.1833$; $\rho = 1000$ kg/m³

- Electronics: DAE3 Sn442; Probe: EX3DV4 - SN3563; ConvF(3.64, 3.64, 3.64)

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

Channel 157 Test/Area Scan (141x171x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.018 mW/g



SAR MEASUREMENT PLOT 21

Ambient Temperature
Liquid Temperature
Humidity

20.7 Degrees Celsius
20.1 Degrees Celsius
45.0 %

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Test Date: 12 June 2007

File Name: Edge On Left OFDM 5.8 GHz Champlain Antenna B Bluetooth Off 12-06-07.da4

DUT: Fujitsu Tablet Champlain with Atheros 11abg and Bluetooth; Type: AR5BxB6; Serial: ZX7323727

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

* Medium parameters used: $\sigma = 6.07675$ mho/m, $\epsilon_r = 47.1833$; $\rho = 1000$ kg/m³

- Electronics: DAE3 Sn442; Probe: EX3DV4 - SN3563; ConvF(3.64, 3.64, 3.64)

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

Channel 157 Test/Area Scan (81x101x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.297 mW/g

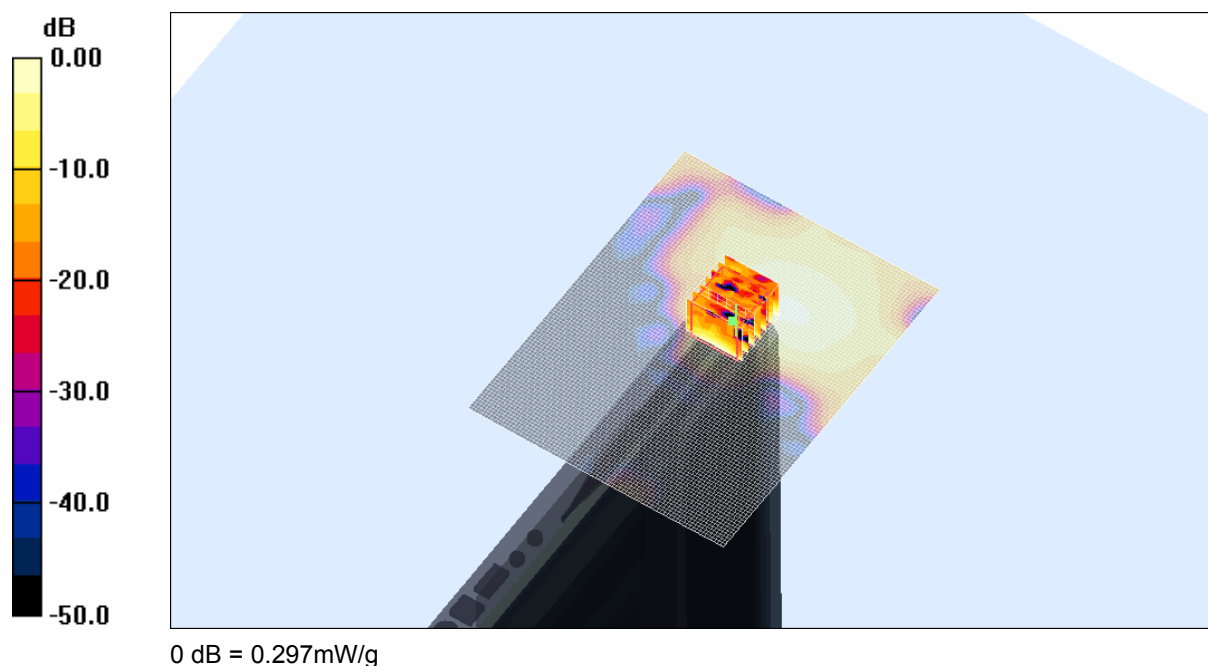
Channel 157 Test/Zoom Scan (7x7x8)/Cube 0: Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm

Reference Value = 7.39 V/m; Power Drift = -0.201 dB

Peak SAR (extrapolated) = 1.52 W/kg

SAR(1 g) = 0.338 mW/g; SAR(10 g) = 0.090 mW/g

Maximum value of SAR (measured) = 0.869 mW/g



SAR MEASUREMENT PLOT 22

Ambient Temperature
Liquid Temperature
Humidity

20.7 Degrees Celsius
20.1 Degrees Celsius
45.0 %

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Test Date: 12 June 2007

File Name: Edge On Right OFDM 5.8 GHz Champlain Antenna A Bluetooth Off 12-06-07.da4

DUT: Fujitsu Tablet Champlain with Atheros 11abg and Bluetooth; Type: AR5BxB6; Serial: ZX7323727

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

* Medium parameters used: $\sigma = 6.07675$ mho/m, $\epsilon_r = 47.1833$; $\rho = 1000$ kg/m³

- Electronics: DAE3 Sn442; Probe: EX3DV4 - SN3563; ConvF(3.64, 3.64, 3.64)

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

Channel 157 Test/Area Scan (81x101x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.150 mW/g

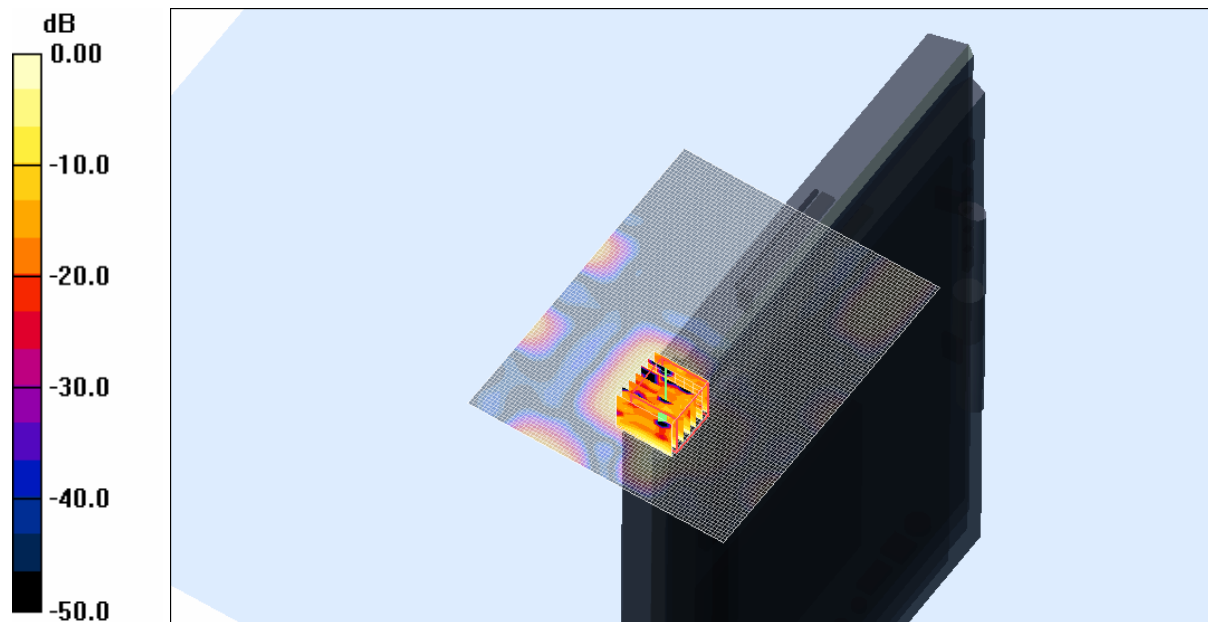
Channel 157 Test/Zoom Scan (7x7x8)/Cube 0: Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm

Reference Value = 4.07 V/m; Power Drift = 0.032 dB

Peak SAR (extrapolated) = 0.810 W/kg

SAR(1 g) = 0.095 mW/g; SAR(10 g) = 0.032 mW/g

Maximum value of SAR (measured) = 0.245 mW/g



0 dB = 0.245mW/g

SAR MEASUREMENT PLOT 23

Ambient Temperature

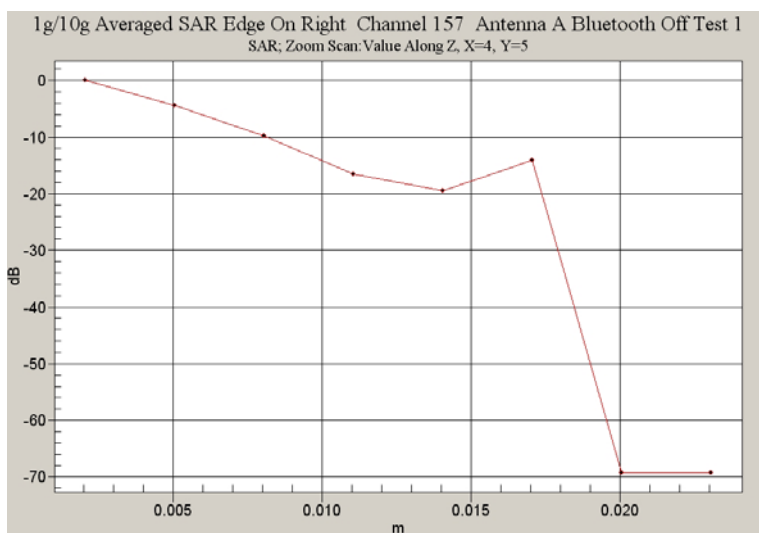
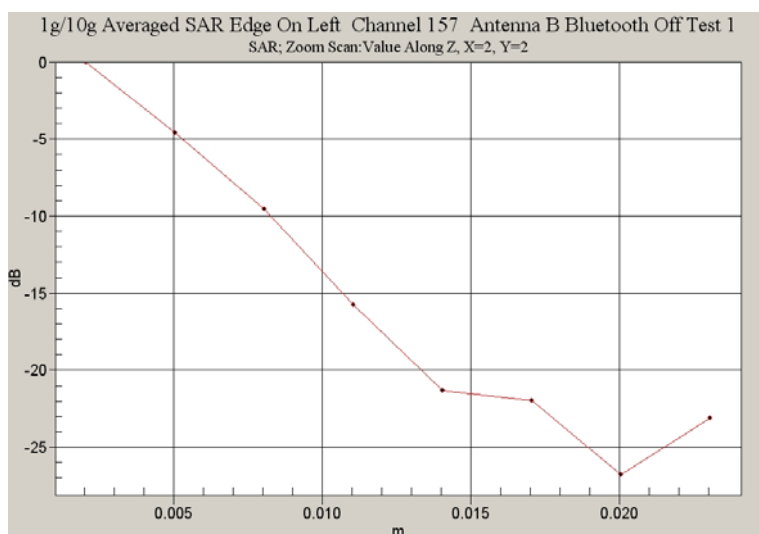
20.7 Degrees Celsius

Liquid Temperature

20.1 Degrees Celsius

Humidity

45.0 %



Test Date: 13 June 2007

File Name: Edge On Top OFDM 5.8 GHz Champlain Antenna A Bluetooth Off 13-06-07.da4

DUT: Fujitsu Tablet Champlain with Atheros 11abg and Bluetooth; Type: AR5BxB6; Serial: ZX7323727

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

* Medium parameters used: $\sigma = 6.40946$ mho/m, $\epsilon_r = 47.2741$; $\rho = 1000$ kg/m³

- Electronics: DAE3 Sn442; Probe: EX3DV4 - SN3563; ConvF(3.64, 3.64, 3.64)

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

Channel 149 Test 2/Area Scan (81x101x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.622 mW/g

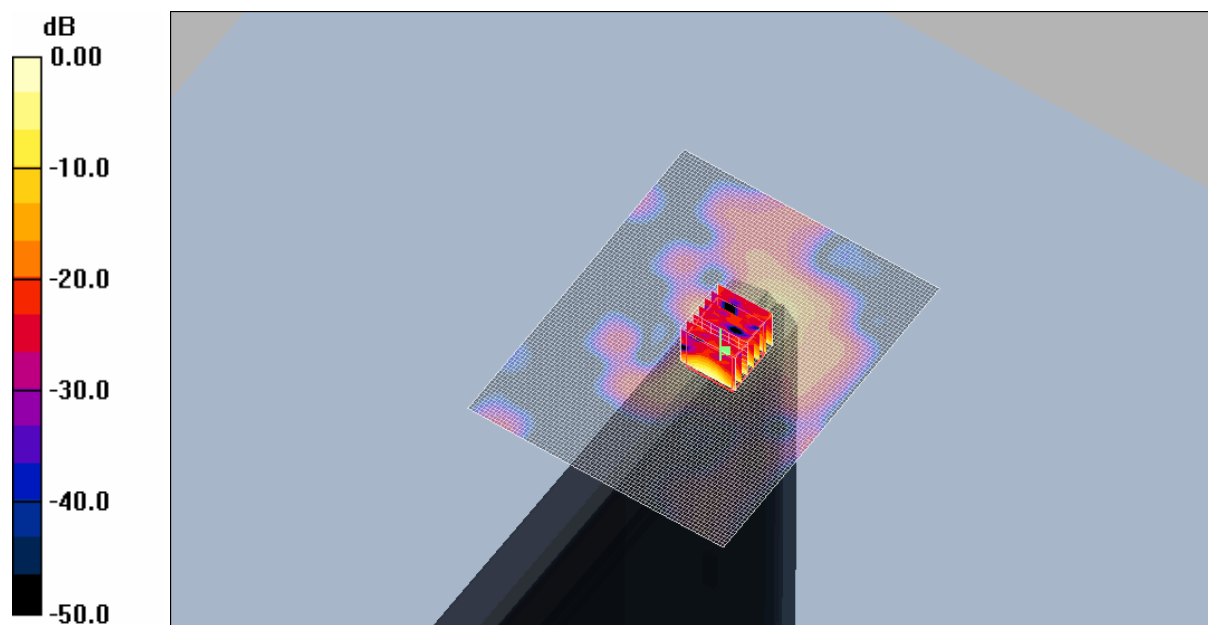
Channel 149 Test 2/Zoom Scan (7x7x8)/Cube 0: Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm

Reference Value = 13.4 V/m; Power Drift = 0.022 dB

Peak SAR (extrapolated) = 4.61 W/kg

SAR(1 g) = 0.952 mW/g; SAR(10 g) = 0.272 mW/g

Maximum value of SAR (measured) = 2.09 mW/g



0 dB = 2.09mW/g

SAR MEASUREMENT PLOT 24

Ambient Temperature
Liquid Temperature
Humidity

21.7 Degrees Celsius
21.3 Degrees Celsius
42.0 %

Test Date: 12 June 2007

File Name: Edge On Top OFDM 5.8 GHz Champlain Antenna A Bluetooth Off 12-06-07.da4

DUT: Fujitsu Tablet Champlain with Atheros 11abg and Bluetooth; Type: AR5BxB6; Serial: ZX7323727

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

* Medium parameters used: $\sigma = 6.07675$ mho/m, $\epsilon_r = 47.1833$; $\rho = 1000$ kg/m³

- Electronics: DAE3 Sn442; Probe: EX3DV4 - SN3563; ConvF(3.64, 3.64, 3.64)

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

Channel 157 Test/Area Scan (81x101x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 1.96 mW/g

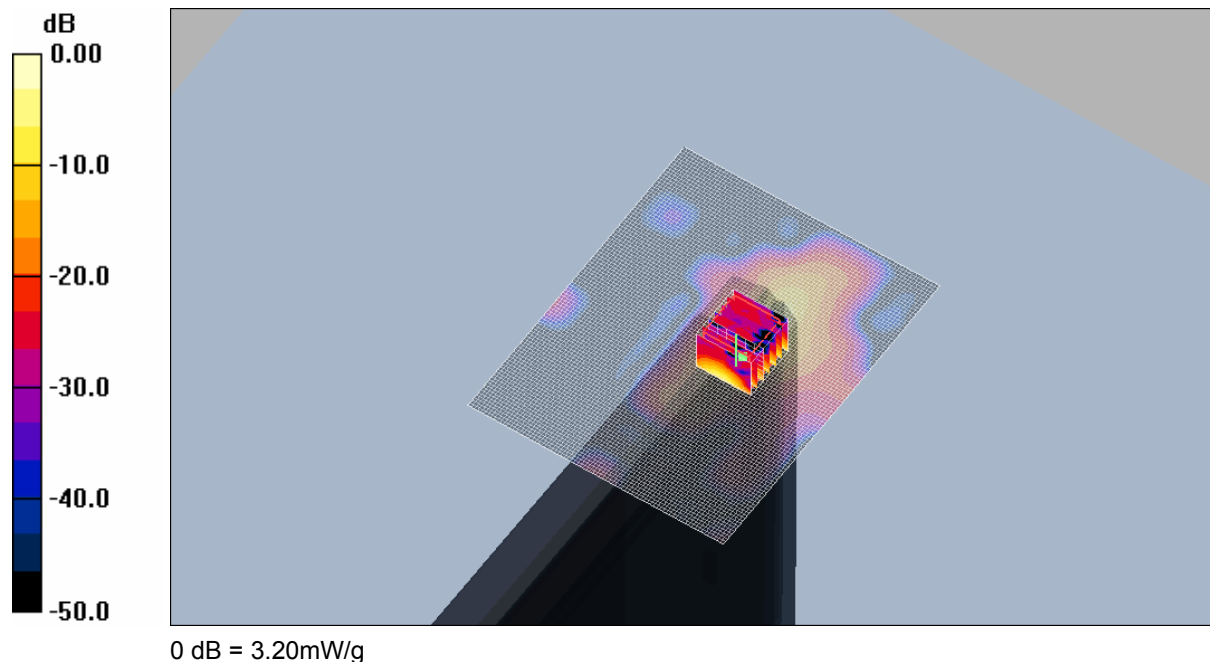
Channel 157 Test/Zoom Scan (7x7x8)/Cube 0: Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm

Reference Value = 23.7 V/m; Power Drift = -0.466 dB

Peak SAR (extrapolated) = 7.26 W/kg

SAR(1 g) = 1.45 mW/g; SAR(10 g) = 0.427 mW/g

Maximum value of SAR (measured) = 3.20 mW/g



SAR MEASUREMENT PLOT 25

Ambient Temperature

20.7 Degrees Celsius

Liquid Temperature

20.1 Degrees Celsius

Humidity

45.0 %

Test Date: 13 June 2007

File Name: Edge On Top OFDM 5.8 GHz Champlain Antenna A Bluetooth Off 13-06-07.da4

DUT: Fujitsu Tablet Champlain with Atheros 11abg and Bluetooth; Type: AR5BxB6; Serial: ZX7323727

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

* Medium parameters used: $\sigma = 6.56283$ mho/m, $\epsilon_r = 46.9834$; $\rho = 1000$ kg/m³

- Electronics: DAE3 Sn442; Probe: EX3DV4 - SN3563; ConvF(3.64, 3.64, 3.64)

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

Channel 165 Test/Area Scan (81x101x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 1.06 mW/g

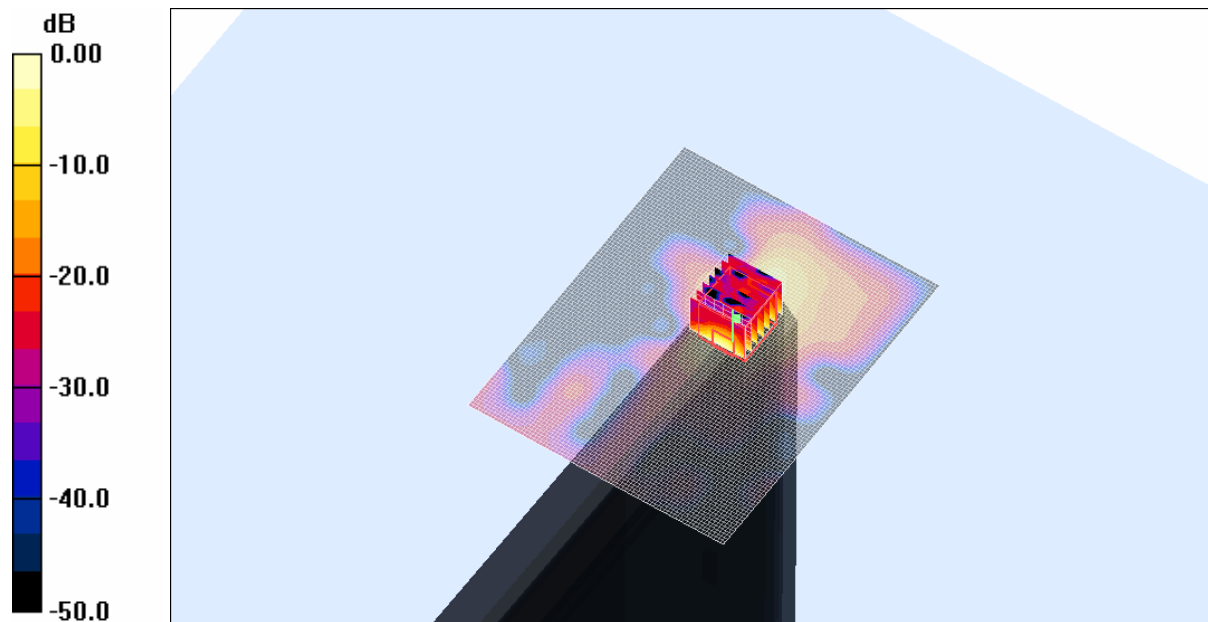
Channel 165 Test/Zoom Scan (7x7x8)/Cube 0: Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm

Reference Value = 11.9 V/m; Power Drift = 0.079 dB

Peak SAR (extrapolated) = 8.07 W/kg

SAR(1 g) = 1.59 mW/g; SAR(10 g) = 0.467 mW/g

Maximum value of SAR (measured) = 3.41 mW/g



SAR MEASUREMENT PLOT 26

Ambient Temperature

21.7 Degrees Celsius

Liquid Temperature

21.3 Degrees Celsius

Humidity

42.0 %

Test Date: 13 June 2007

File Name: Edge On Top OFDM 5.8 GHz Champlain Antenna B Bluetooth Off 13-06-07.da4

DUT: Fujitsu Tablet Champlain with Atheros 11abg and Bluetooth; Type: AR5BxB6; Serial: ZX7323727

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

* Medium parameters used: $\sigma = 6.40946$ mho/m, $\epsilon_r = 47.2741$; $\rho = 1000$ kg/m³

- Electronics: DAE3 Sn442; Probe: EX3DV4 - SN3563; ConvF(3.64, 3.64, 3.64)

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

Channel 149 Test/Area Scan (81x101x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.499 mW/g

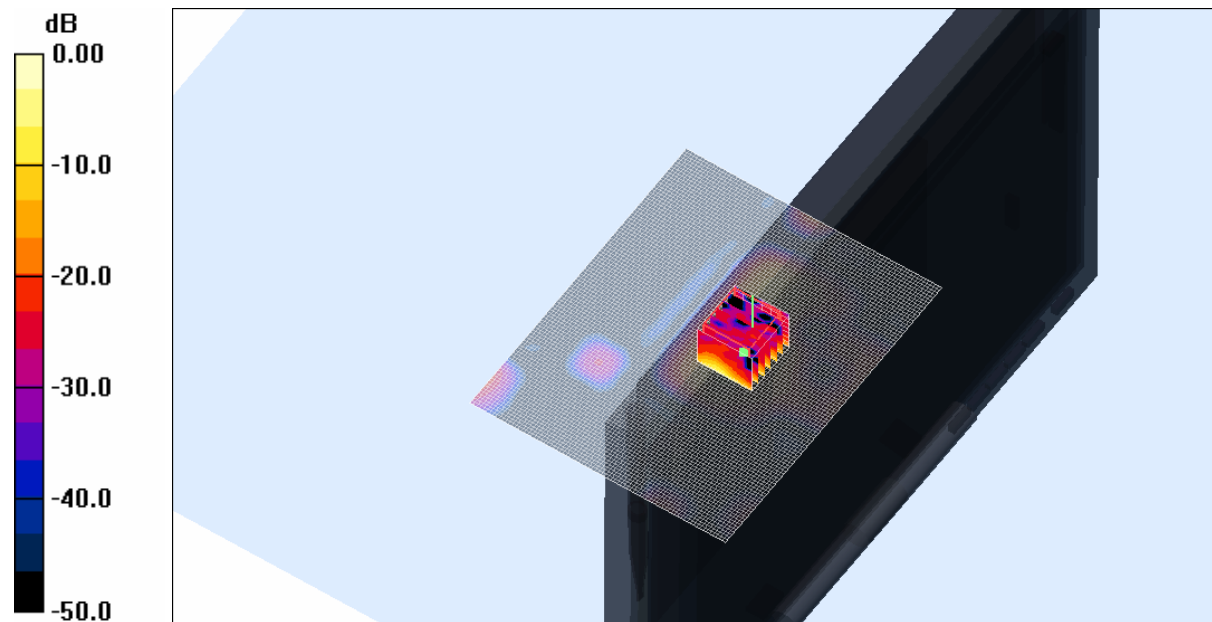
Channel 149 Test/Zoom Scan (7x7x8)/Cube 0: Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm

Reference Value = 8.55 V/m; Power Drift = 0.137 dB

Peak SAR (extrapolated) = 5.42 W/kg

SAR(1 g) = 0.649 mW/g; SAR(10 g) = 0.196 mW/g

Maximum value of SAR (measured) = 2.33 mW/g



0 dB = 2.33mW/g

SAR MEASUREMENT PLOT 27

Ambient Temperature

21.7 Degrees Celsius

Liquid Temperature

21.3 Degrees Celsius

Humidity

42.0 %

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Test Date: 13 June 2007

File Name: Edge On Top OFDM 5.8 GHz Champlain Antenna B Bluetooth Off 13-06-07.da4

DUT: Fujitsu Tablet Champlain with Atheros 11abg and Bluetooth; Type: AR5BxB6; Serial: ZX7323727

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

* Medium parameters used: $\sigma = 6.50268$ mho/m, $\epsilon_r = 47.1263$; $\rho = 1000$ kg/m³

- Electronics: DAE3 Sn442; Probe: EX3DV4 - SN3563; ConvF(3.64, 3.64, 3.64)

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

Channel 157 Test/Area Scan (81x101x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.620 mW/g

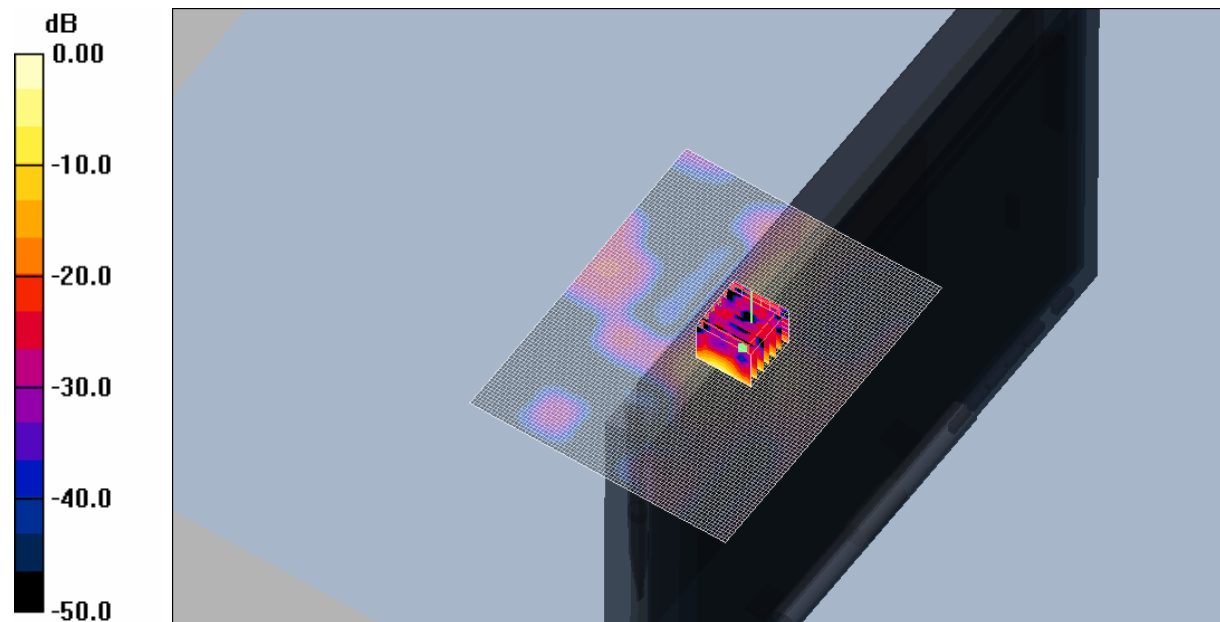
Channel 157 Test/Zoom Scan (7x7x8)/Cube 0: Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm

Reference Value = 9.63 V/m; Power Drift = -0.332 dB

Peak SAR (extrapolated) = 8.53 W/kg

SAR(1 g) = 1.01 mW/g; SAR(10 g) = 0.264 mW/g

Maximum value of SAR (measured) = 3.54 mW/g



0 dB = 3.54mW/g

SAR MEASUREMENT PLOT 28

Ambient Temperature

21.7 Degrees Celsius

Liquid Temperature

21.3 Degrees Celsius

Humidity

42.0 %

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Test Date: 13 June 2007

File Name: Edge On Top OFDM 5.8 GHz Champlain Antenna B Bluetooth Off 13-06-07.da4

DUT: Fujitsu Tablet Champlain with Atheros 11abg and Bluetooth; Type: AR5BxB6; Serial: ZX7323727

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

* Medium parameters used: $\sigma = 6.56283$ mho/m, $\epsilon_r = 46.9834$; $\rho = 1000$ kg/m³

- Electronics: DAE3 Sn442; Probe: EX3DV4 - SN3563; ConvF(3.64, 3.64, 3.64)

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

Channel 165 Test/Area Scan (81x101x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.500 mW/g

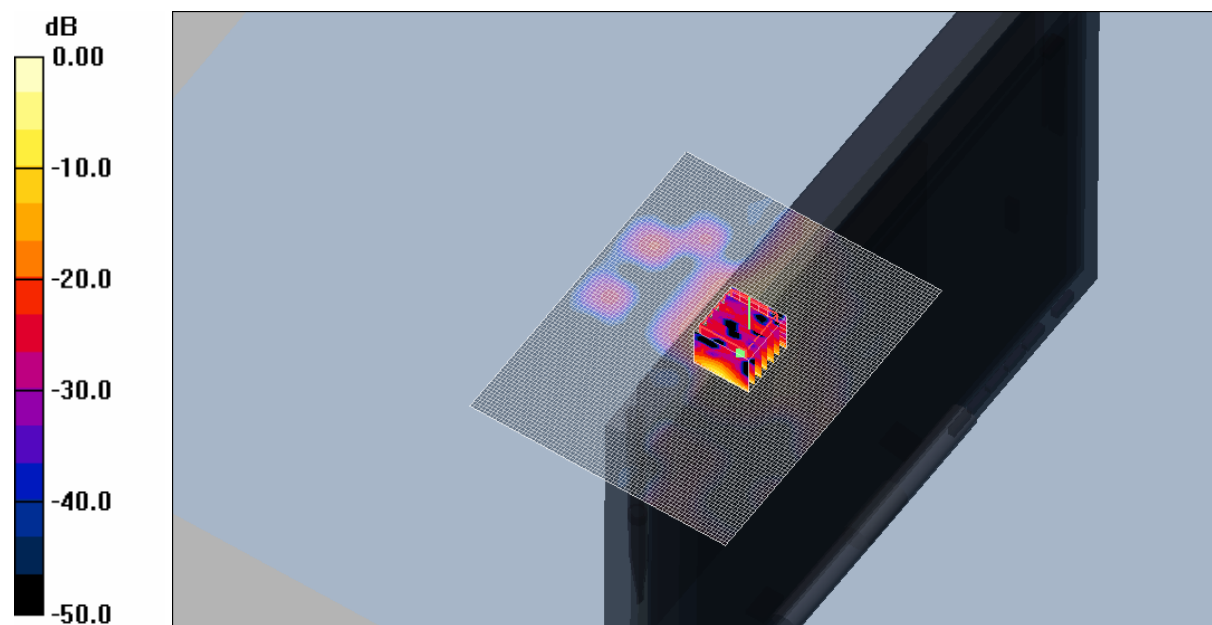
Channel 165 Test/Zoom Scan (7x7x8)/Cube 0: Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm

Reference Value = 7.89 V/m; Power Drift = 0.119 dB

Peak SAR (extrapolated) = 6.55 W/kg

SAR(1 g) = 0.706 mW/g; SAR(10 g) = 0.199 mW/g

Maximum value of SAR (measured) = 2.67 mW/g



0 dB = 2.67mW/g

SAR MEASUREMENT PLOT 29

Ambient Temperature

21.7 Degrees Celsius

Liquid Temperature

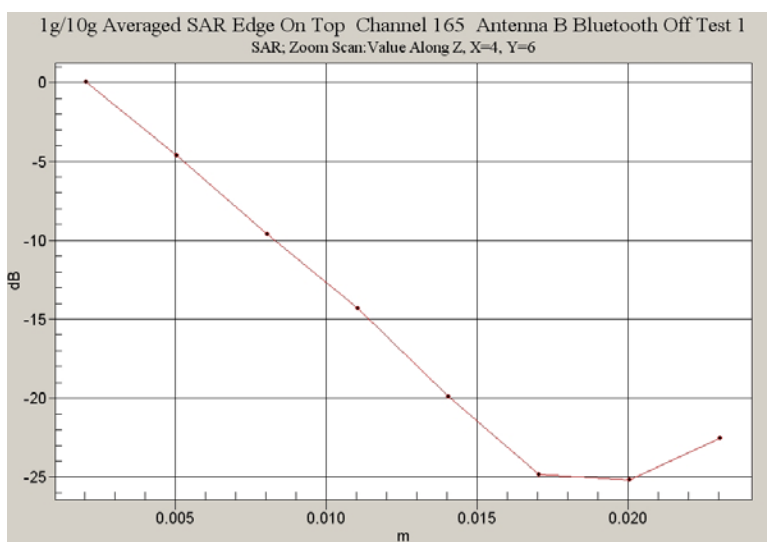
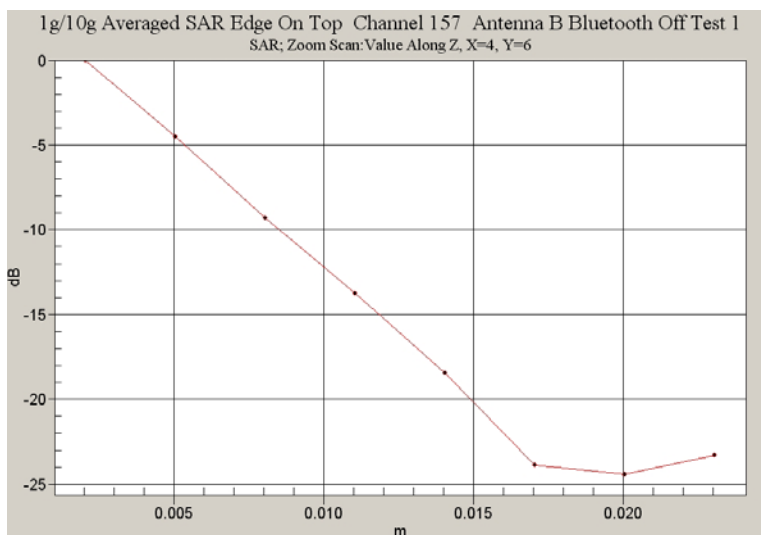
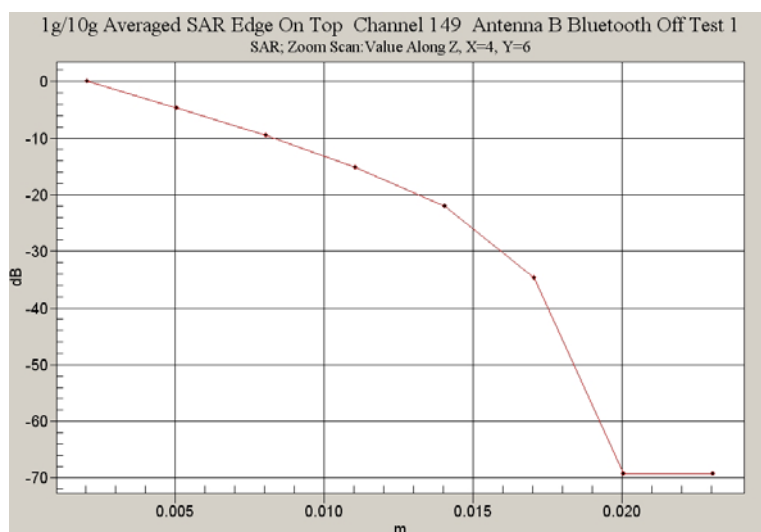
21.3 Degrees Celsius

Humidity

42.0 %

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Test Date: 13 June 2007

File Name: Edge On Top OFDM 5.8 GHz Champlain Antenna A Bluetooth On 13-06-07.da4

DUT: Fujitsu Tablet Champlain with Atheros 11abg and Bluetooth; Type: AR5BxB6; Serial: ZX7323727

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

* Medium parameters used: $\sigma = 6.56283 \text{ mho/m}$, $\epsilon_r = 46.9834$, $\rho = 1000 \text{ kg/m}^3$

- Electronics: DAE3 Sn442; Probe: EX3DV4 - SN3563; ConvF(3.64, 3.64, 3.64)

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

Channel 165 Test/Area Scan (81x101x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.589 mW/g

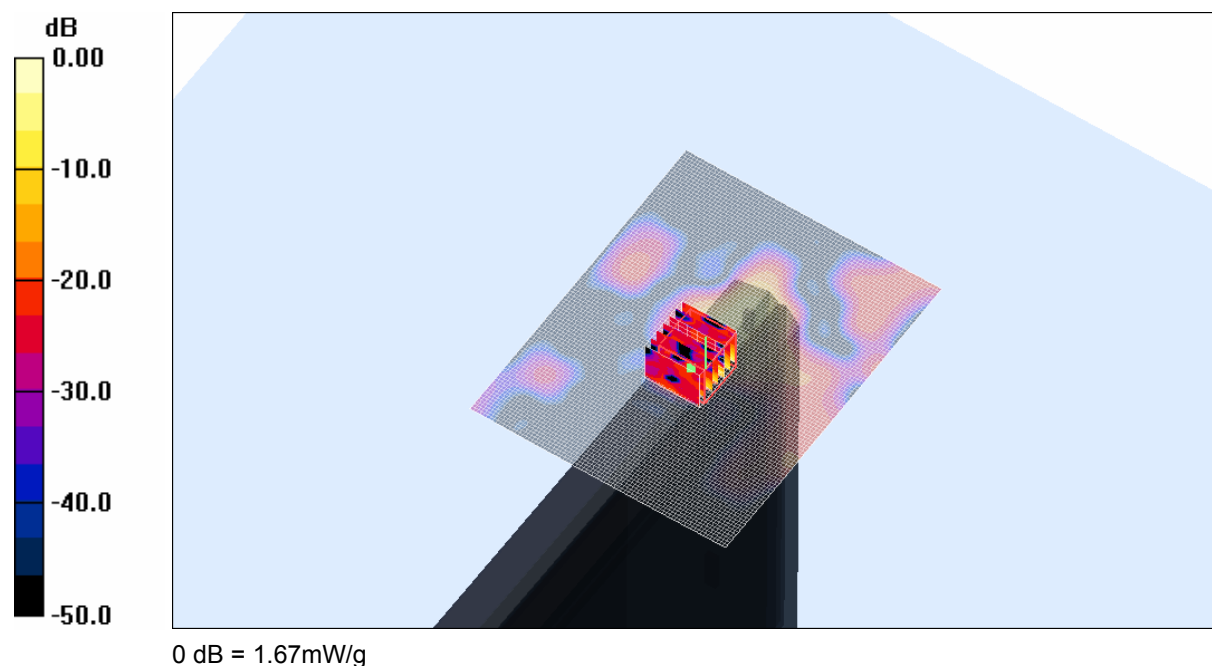
Channel 165 Test/Zoom Scan (7x7x8)/Cube 0: Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm

Reference Value = 7.78 V/m; Power Drift = 0.465 dB

Peak SAR (extrapolated) = 3.20 W/kg

SAR(1 g) = 0.713 mW/g; SAR(10 g) = 0.173 mW/g

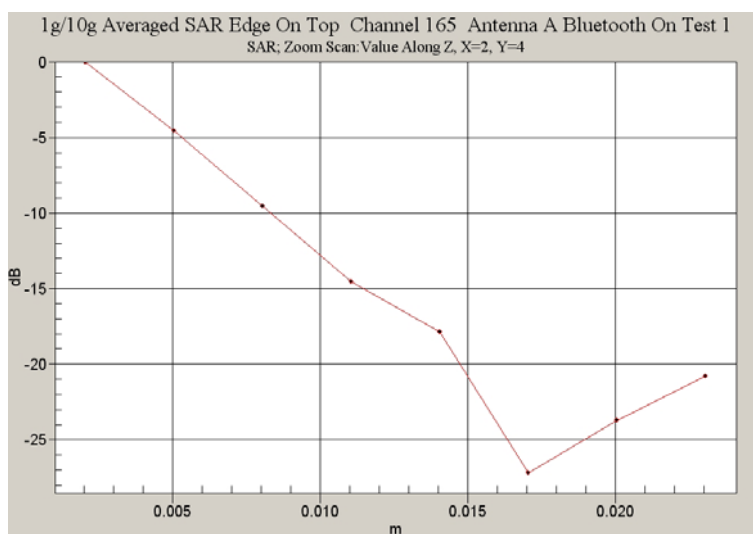
Maximum value of SAR (measured) = 1.67 mW/g



SAR MEASUREMENT PLOT 30

Ambient Temperature
Liquid Temperature
Humidity

21.7 Degrees Celsius
21.3 Degrees Celsius
42.0 %



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Test Date: 15 June 2007

File Name: Validation 5200MHz (DAE 442 Probe EX3DV4) 15-06-07.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: $\sigma = 4.72182$ mho/m, $\epsilon_r = 36.2162$; $\rho = 1000$ kg/m³

- Electronics: DAE3 Sn442; Probe: EX3DV4 - SN3563; ConvF(4.18, 4.18, 4.18)

- 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) = 42.0 mW/g

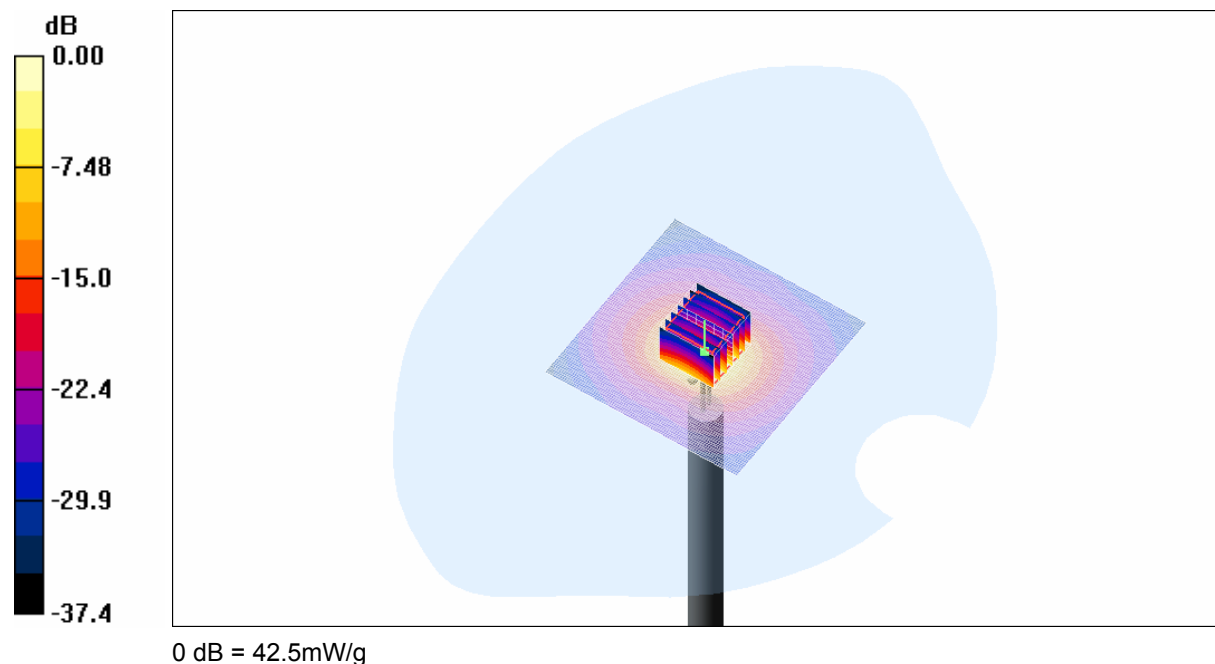
Channel 1 Test/Zoom Scan (7x7x8)/Cube 0: Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm

Reference Value = 99.4 V/m; Power Drift = -0.247 dB

Peak SAR (extrapolated) = 78.1 W/kg

SAR(1 g) = 20.7 mW/g; SAR(10 g) = 5.91 mW/g

Maximum value of SAR (measured) = 42.5 mW/g



SAR MEASUREMENT PLOT 31

Ambient Temperature
Liquid Temperature
Humidity

21.8 Degrees Celsius
21.2 Degrees Celsius
34.0 %

Test Date: 14 June 2007

File Name: Validation 5500MHz (DAE 442 Probe EX3DV4) 14-06-07.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: $\sigma = 5.15053$ mho/m, $\epsilon_r = 34.9344$; $\rho = 1000$ kg/m³

- Electronics: DAE3 Sn442; Probe: EX3DV4 - SN3563; ConvF(4.02, 4.02, 4.02)

- 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

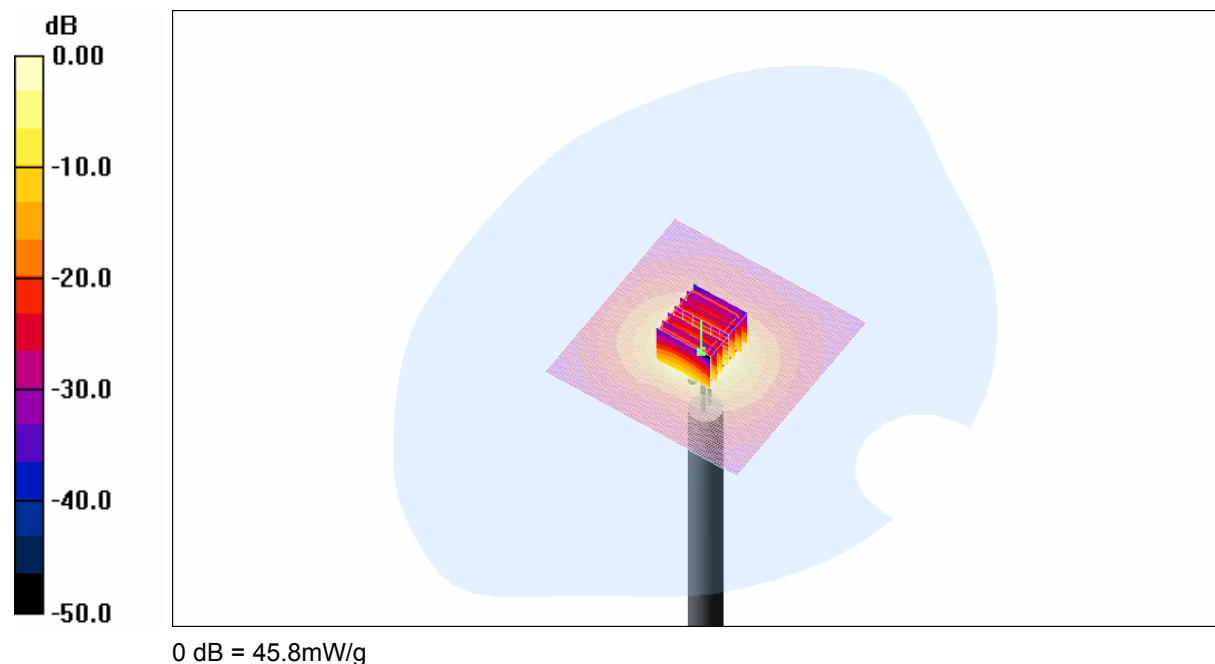
Channel 1 Test/Zoom Scan (7x7x8)/Cube 0: Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm

Reference Value = 97.0 V/m; Power Drift = -0.145 dB

Peak SAR (extrapolated) = 90.7 W/kg

SAR(1 g) = 21.6 mW/g; SAR(10 g) = 6.06 mW/g

Maximum value of SAR (measured) = 45.8 mW/g



SAR MEASUREMENT PLOT 32

Ambient Temperature
Liquid Temperature
Humidity

21.5 Degrees Celsius
21.2 Degrees Celsius
34.0 %

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Test Date: 12 June 2007

File Name: Validation 5800MHz (DAE 442 Probe EX3DV4) 12-06-07.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: $\sigma = 5.2889$ mho/m, $\epsilon_r = 34.5282$; $\rho = 1000$ kg/m³

- Electronics: DAE3 Sn442; Probe: EX3DV4 - SN3563; ConvF(3.66, 3.66, 3.66)

- 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) = 48.3 mW/g

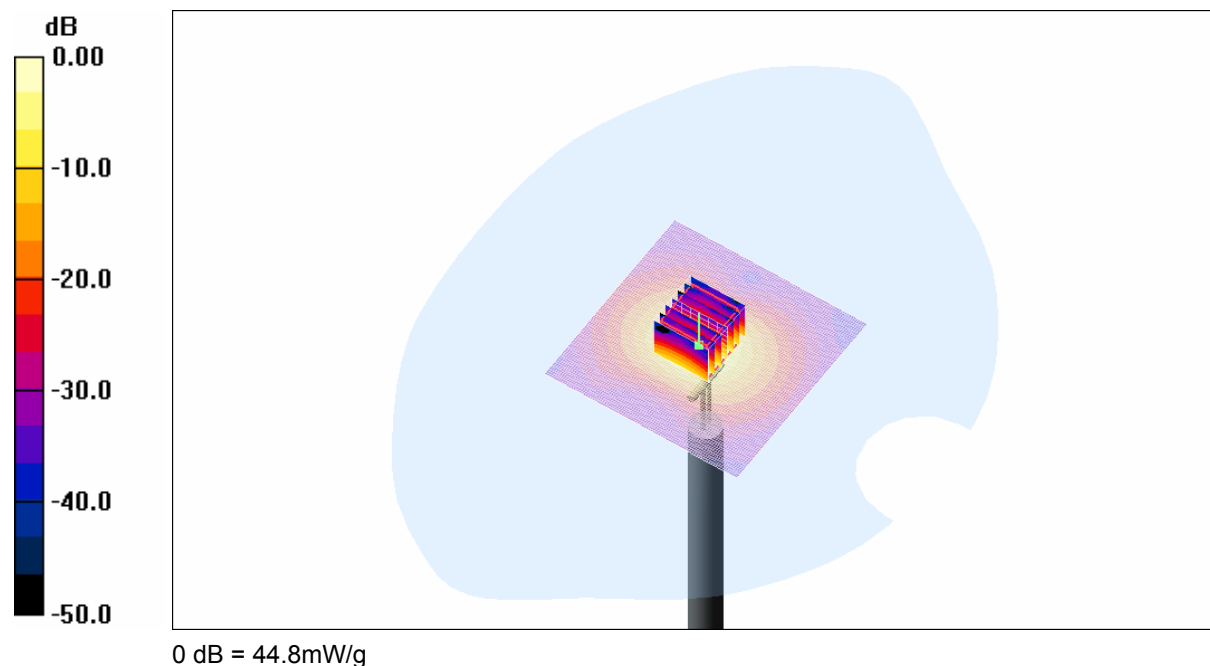
Channel 1 Test/Zoom Scan (7x7x8)/Cube 0: Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm

Reference Value = 93.1 V/m; Power Drift = 0.084 dB

Peak SAR (extrapolated) = 95.9 W/kg

SAR(1 g) = 20.9 mW/g; SAR(10 g) = 5.87 mW/g

Maximum value of SAR (measured) = 44.8 mW/g



SAR MEASUREMENT PLOT 33

Ambient Temperature
Liquid Temperature
Humidity

20.7 Degrees Celsius
20.1 Degrees Celsius
45.0 %

Test Date: 13 June 2007

File Name: Validation 5800MHz (DAE 442 Probe EX3DV4) 13-06-07.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: $\sigma = 5.40$ mho/m, $\epsilon_r = 34.95$; $\rho = 1000$ kg/m³

- Electronics: DAE3 Sn442; Probe: EX3DV4 - SN3563; ConvF(3.64, 3.64, 3.64)

- 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) = 42.9 mW/g

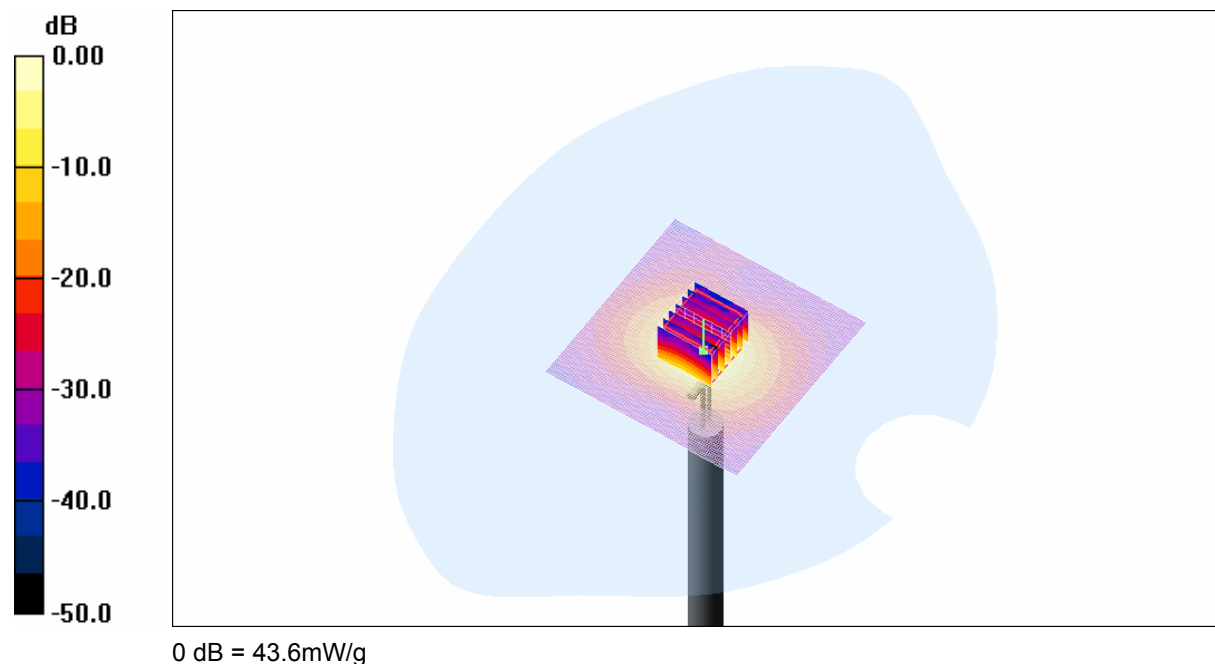
Channel 1 Test/Zoom Scan (7x7x8)/Cube 0: Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm

Reference Value = 86.4 V/m; Power Drift = -0.026 dB

Peak SAR (extrapolated) = 93.7 W/kg

SAR(1 g) = 20.2 mW/g; SAR(10 g) = 5.64 mW/g

Maximum value of SAR (measured) = 43.6 mW/g



SAR MEASUREMENT PLOT 34

Ambient Temperature
Liquid Temperature
Humidity

21.7 Degrees Celsius
21.3 Degrees Celsius
42.0 %

