

APPENDIX B PLOTS OF THE SAR MEASUREMENTS

Plots of the measured SAR distributions inside the phantom are given in this Appendix for the “Lap Arm Held” and “Tablet” tested configurations. The spatial peak SAR values were assessed with the procedure described in this report.

Table 21: 5800 MHz Band SAR Measurement Plot Numbers

Plot 1	Lap Arm Held Position – Ant B -- Prescan	CH#157
Plot 2	Lap Arm Held Position – Ant B	CH#149
Plot 3	Lap Arm Held Position – Ant B	CH#157
Plot 4	Lap Arm Held Position – Ant B	CH#165
Z-Axis graphs	Z-Axis graphs for Plots 2 to 4	
Plot 5	Tablet Position – Ant A - Prescan	CH#157
Plot 6	Tablet Position – Ant A	CH#149
Plot 7	Tablet Position – Ant A	CH#157
Plot 8	Tablet Position – Ant A	CH#165
Plot 9	Tablet Position – Ant A with Ext Batt	CH#157
Z-Axis graphs	Z-Axis graphs for Plots 5 to 9	
Plot 10	Edge On Position – Ant A	CH#149
Plot 11	Edge On Position – Ant A	CH#157
Plot 12	Edge On Position – Ant A	CH#165
Z-Axis graphs	Z-Axis graphs for Plot 10 to 12	
Plot 13	Edge On Position – Ant B	CH#149
Plot 14	Edge On Position – Ant B	CH#157
Plot 15	Edge On Position – Ant B	CH#165
Z-Axis Graphs	Z-Axis graphs for Plot 13 to 15	

Table 22: 5200 MHz Band SAR Measurement Plot Numbers

Plot 16	Tablet Position – Ant A	CH#36
Plot 17	Tablet Position – Ant A	CH#52
Plot 18	Tablet Position – Ant A	CH#64
Plot 19	Tablet with Extended Battery – Ant A	CH#52
Z-axis graphs	Z-Axis graphs for Plots 16 to 19	
Plot 20	Lap Arm Held Position – Ant B	CH#36
Plot 21	Lap Arm Held Position – Ant B	CH#52
Plot 22	Lap Arm Held Position – Ant B	CH#64
Z-axis graphs	Z-Axis graphs for Plots 20 to 22	
Plot 23	Edge On Position – Ant B	CH#36
Plot 24	Edge On Position – Ant B	CH#52
Plot 25	Edge On Position – Ant B	CH#64
Plot 26	Edge On Position – Ant A	CH#52
Z-axis graphs	Z-Axis graphs for Plots 23 to 26	

Table 23: 5200/5800 MHz Band SAR Measurement Plot Numbers with BT

Plot 27	Tablet Position With Blue tooth Ant A BTCH#40 - Prescan	CH#157
Plot 28	Tablet Position With Blue tooth Ant A BTCH#40	CH#157
Plot 29	Tablet Position With Blue tooth Ant A BTCH#40	CH#52
Z-axis graphs	Z-Axis graphs for Plots 28 to 29	

Table 24: 2450MHz Validation Plot

Plot 30	Validation 5800 MHz 26 th May 2005
Plot 31	Validation 5800 MHz 27 th May 2005
Plot 32	Validation 5200 MHz 31 st May 2005
Plot 33	Validation 5200 MHz 14 th July 2005
Plot 34	Validation 5800 MHz 15 th July 2005
Z-Axis Graphs	Z-Axis graphs for Plots 30 to 34

Test Date: 27 May 2005

File Name: [Arm Held OFDM 5.6 GHz Antenna B Bluetooth Off Prescan 27-05-05.da4](#)

DUT: Fujitsu Tablet Niechen with Atheros 11abg Module; Type: WLL 4070; Serial: MAC:0011F5-49FE74

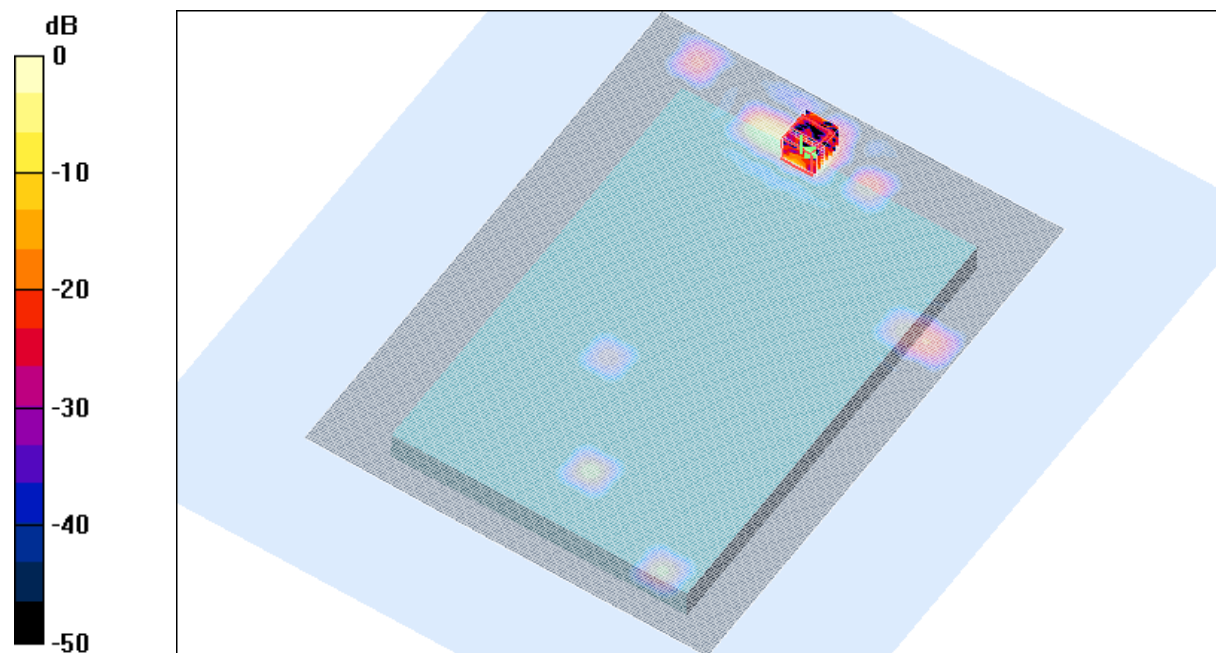
* Communication System: OFDM 5770 MHz; Frequency: 5785 MHz; Duty Cycle: 1:1

* Medium parameters used: $\sigma = 6.1094$; mho/m, $\epsilon_r = 44.3914$; $\rho = 1000 \text{ kg/m}^3$

- Electronics: DAE3 Sn442; Probe: ES3DV3 - SN3029; ConvF(1.98, 1.98, 1.98)

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

Channel 157 Test/Area Scan (151x201x1): Measurement grid: dx=20mm, dy=20mm



0 dB = 2.88mW/g

SAR MEASUREMENT PLOT 1

Ambient Temperature
Liquid Temperature
Humidity

20.2 Degrees Celsius
19.7 Degrees Celsius
47.0 %

Test Date: 27 May 2005

File Name: [Arm Held OFDM 5.6 GHz Antenna B Bluetooth Off 27-05-05.da4](#)

DUT: Fujitsu Tablet Niechen with Atheros 11abg Module; Type: WLL 4070; Serial: MAC:0011F5-49FE74

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

* Medium parameters used: $\sigma = 6.04097$; mho/m, $\epsilon_r = 44.5547$; $\rho = 1000 \text{ kg/m}^3$

- Electronics: DAE3 Sn442; Probe: ES3DV3 - SN3029; ConvF(1.98, 1.98, 1.98)

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

Channel 149 Test/Area Scan (101x81x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 1.54 mW/g

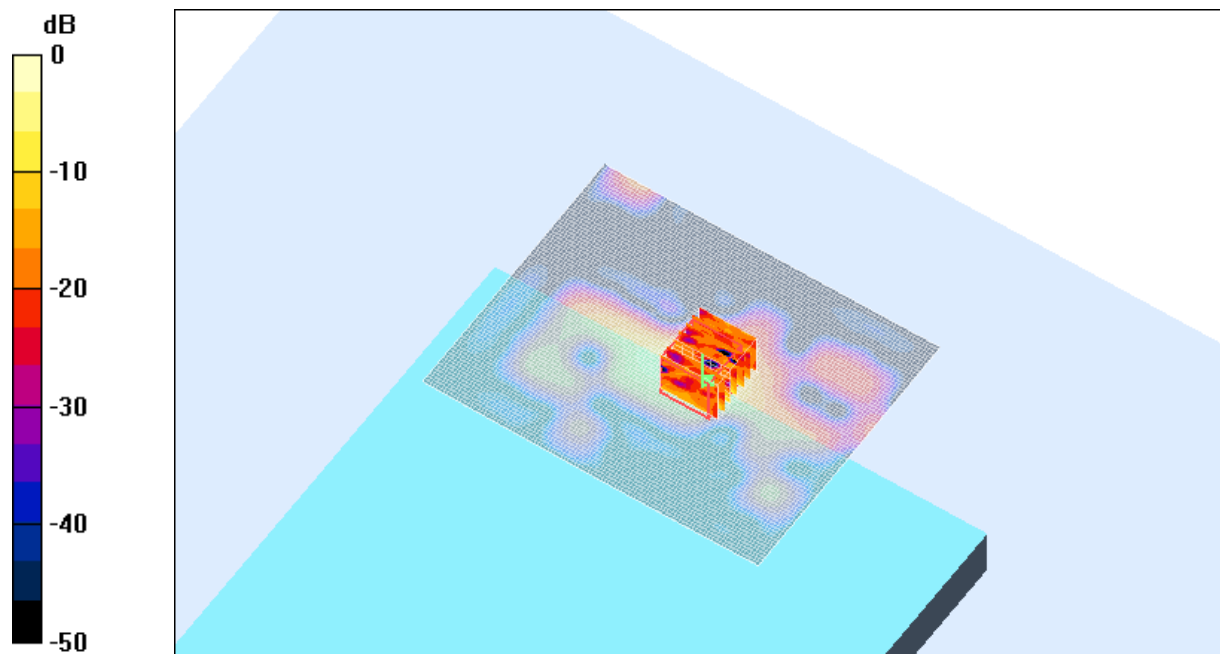
Channel 149 Test/Zoom Scan (7x7x8)/Cube 0: Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm

Reference Value = 12.3 V/m; Power Drift = 0.0 dB

Peak SAR (extrapolated) = 13.7 W/kg

SAR(1 g) = 1.04 mW/g; SAR(10 g) = 0.248 mW/g

Maximum value of SAR (measured) = 2.03 mW/g



0 dB = 2.03mW/g

SAR MEASUREMENT PLOT 2

Ambient Temperature
Liquid Temperature
Humidity

20.2 Degrees Celsius
19.7 Degrees Celsius
47.0 %

Test Date: 27 May 2005

File Name: [Arm Held OFDM 5.6 GHz Antenna B Bluetooth Off 27-05-05.da4](#)

DUT: Fujitsu Tablet Niechen with Atheros 11abg Module; Type: WLL 4070; Serial: MAC:0011F5-49FE74

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

* Medium parameters used: $\sigma = 6.1094$; mho/m, $\epsilon_r = 44.3914$; $\rho = 1000 \text{ kg/m}^3$

- Electronics: DAE3 Sn442; Probe: ES3DV3 - SN3029; ConvF(1.98, 1.98, 1.98)

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

Channel 157 Test/Area Scan (101x81x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 1.89 mW/g

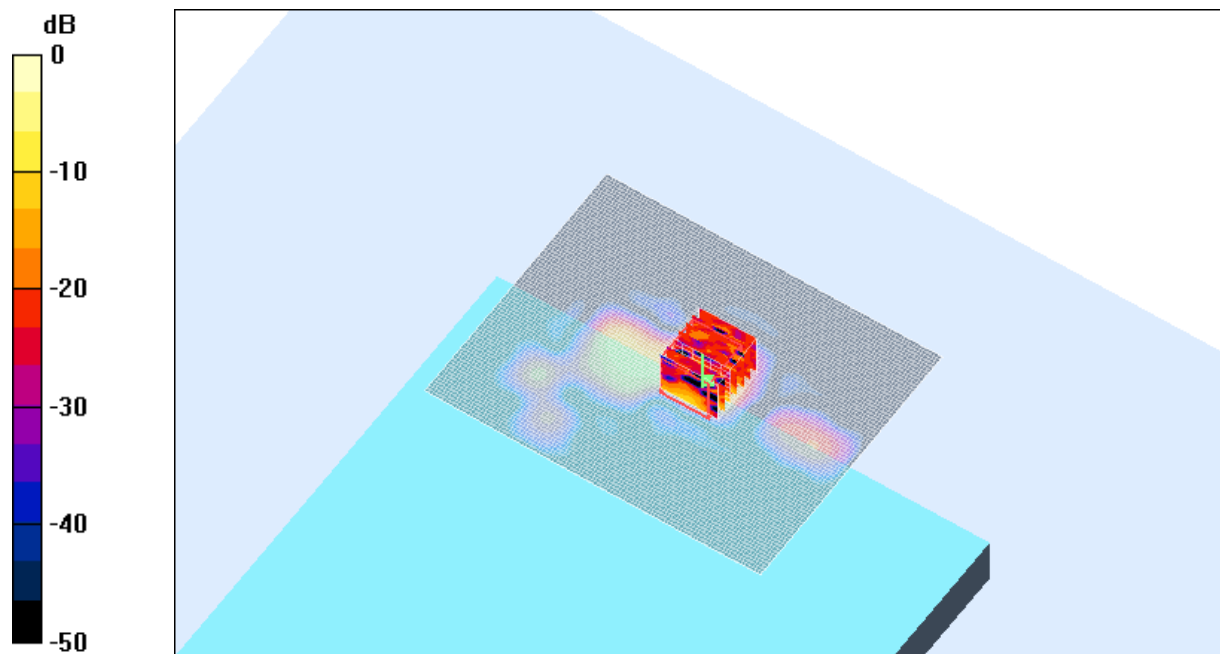
Channel 157 Test/Zoom Scan (7x7x8)/Cube 0: Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm

Reference Value = 14.7 V/m; Power Drift = -0.1 dB

Peak SAR (extrapolated) = 8.8 W/kg

SAR(1 g) = 1.49 mW/g; SAR(10 g) = 0.295 mW/g

Maximum value of SAR (measured) = 2.68 mW/g



0 dB = 2.68mW/g

SAR MEASUREMENT PLOT 3

Ambient Temperature
Liquid Temperature
Humidity

20.2 Degrees Celsius
19.7 Degrees Celsius
47.0 %

Test Date: 27 May 2005

File Name: [Arm Held OFDM 5.6 GHz Antenna B Bluetooth Off 27-05-05.da4](#)

DUT: Fujitsu Tablet Niechen with Atheros 11abg Module; Type: WLL 4070; Serial: MAC:0011F5-49FE74

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

* Medium parameters used: $\sigma = 6.17193$; mho/m, $\epsilon_r = 44.2779$; $\rho = 1000 \text{ kg/m}^3$

- Electronics: DAE3 Sn442; Probe: ES3DV3 - SN3029; ConvF(1.98, 1.98, 1.98)

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

Channel 165 Test/Area Scan (101x81x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 1.41 mW/g

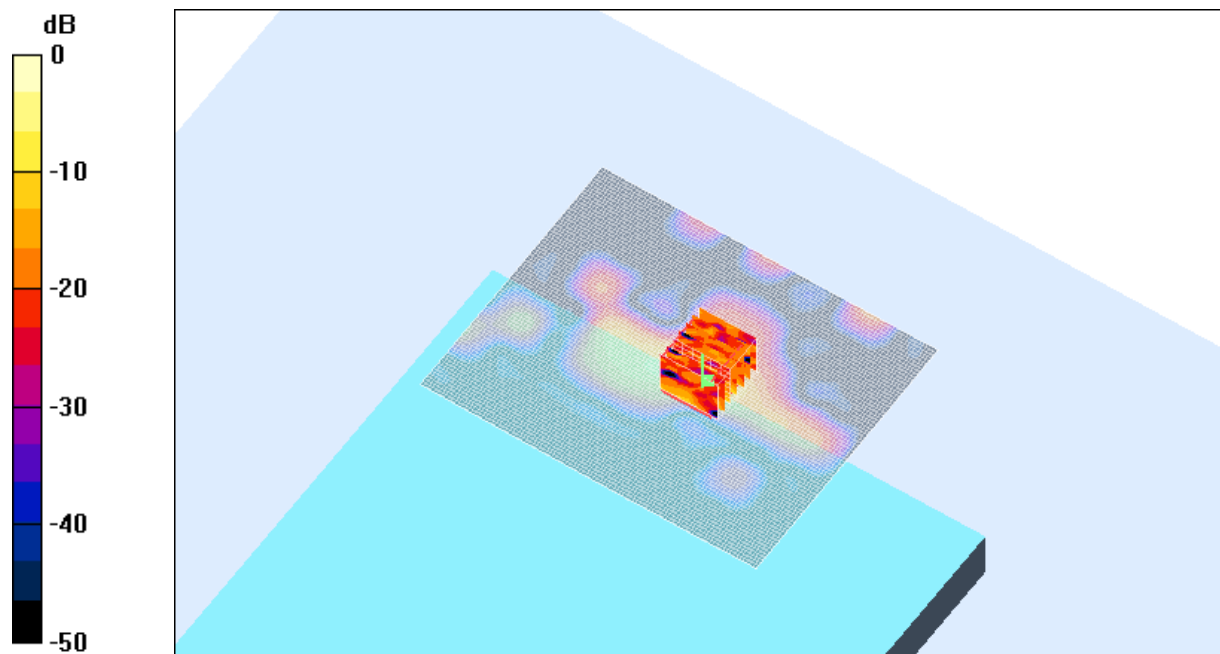
Channel 165 Test/Zoom Scan (7x7x8)/Cube 0: Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm

Reference Value = 12.4 V/m; Power Drift = -0.2 dB

Peak SAR (extrapolated) = 966725.3 W/kg

SAR(1 g) = 1.2 mW/g; SAR(10 g) = 0.295 mW/g

Maximum value of SAR (measured) = 2.19 mW/g

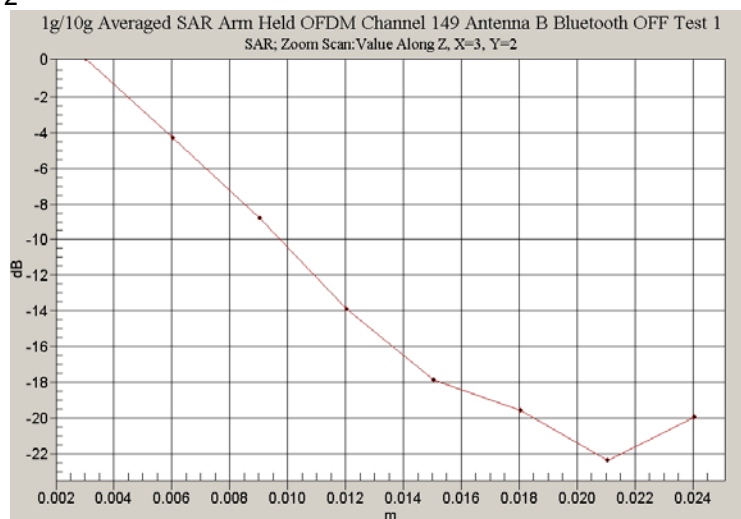


SAR MEASUREMENT PLOT 4

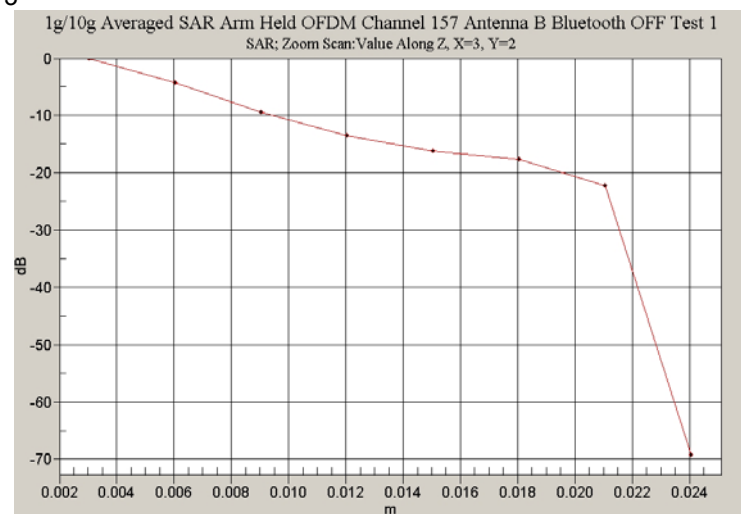
Ambient Temperature
Liquid Temperature
Humidity

20.2 Degrees Celsius
19.7 Degrees Celsius
47.0 %

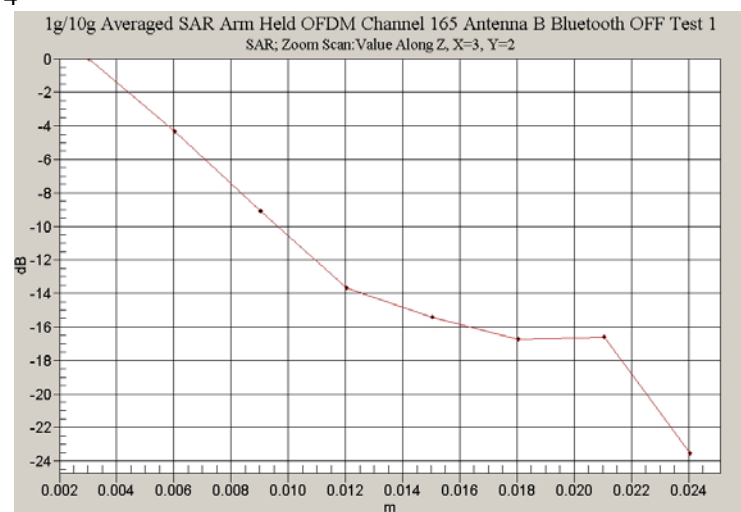
Z-Axis Graph for Plot 2



Z-Axis Graph for Plot 3



Z-Axis Graph for Plot 4



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Test Date: 27 May 2005

File Name: [Tablet OFDM 5.6 GHz Antenna A Bluetooth On Prescan 27-05-05.da4](#)

DUT: Fujitsu Tablet Niechen with Atheros 11abg Module; Type: WLL 4070; Serial: MAC:0011F5-49FE74

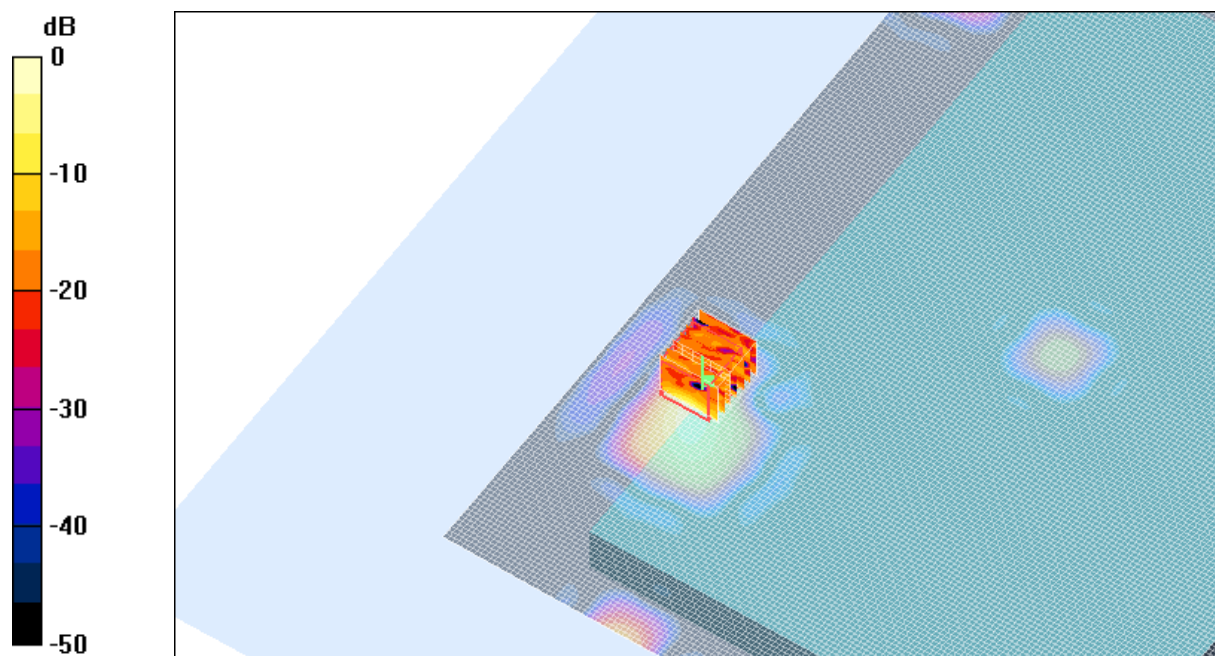
* Communication System: OFDM 5770 MHz; Frequency: 5785 MHz; Duty Cycle: 1:1

* Medium parameters used: $\sigma = 6.1094$; mho/m, $\epsilon_r = 44.3914$; $\rho = 1000 \text{ kg/m}^3$

- Electronics: DAE3 Sn442; Probe: ES3DV3 - SN3029; ConvF(1.98, 1.98, 1.98)

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

Channel 157 Test/Area Scan (151x201x1): Measurement grid: dx=20mm, dy=20mm



0 dB = 2.05mW/g

SAR MEASUREMENT PLOT 5

Ambient Temperature
Liquid Temperature
Humidity

20.2 Degrees Celsius
19.7 Degrees Celsius
47.0 %

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Test Date: 27 May 2005

File Name: [Tablet OFDM 5.6 GHz Antenna A Bluetooth Off 27-05-05.da4](#)

DUT: Fujitsu Tablet Niechen with Atheros 11abg Module; Type: WLL 4070; Serial: MAC:0011F5-49FE74

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

* Medium parameters used: $\sigma = 6.04097$; mho/m, $\epsilon_r = 44.5547$; $\rho = 1000 \text{ kg/m}^3$

- Electronics: DAE3 Sn442; Probe: ES3DV3 - SN3029; ConvF(1.98, 1.98, 1.98)

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

Channel 149 Test/Area Scan (161x121x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 1.34 mW/g

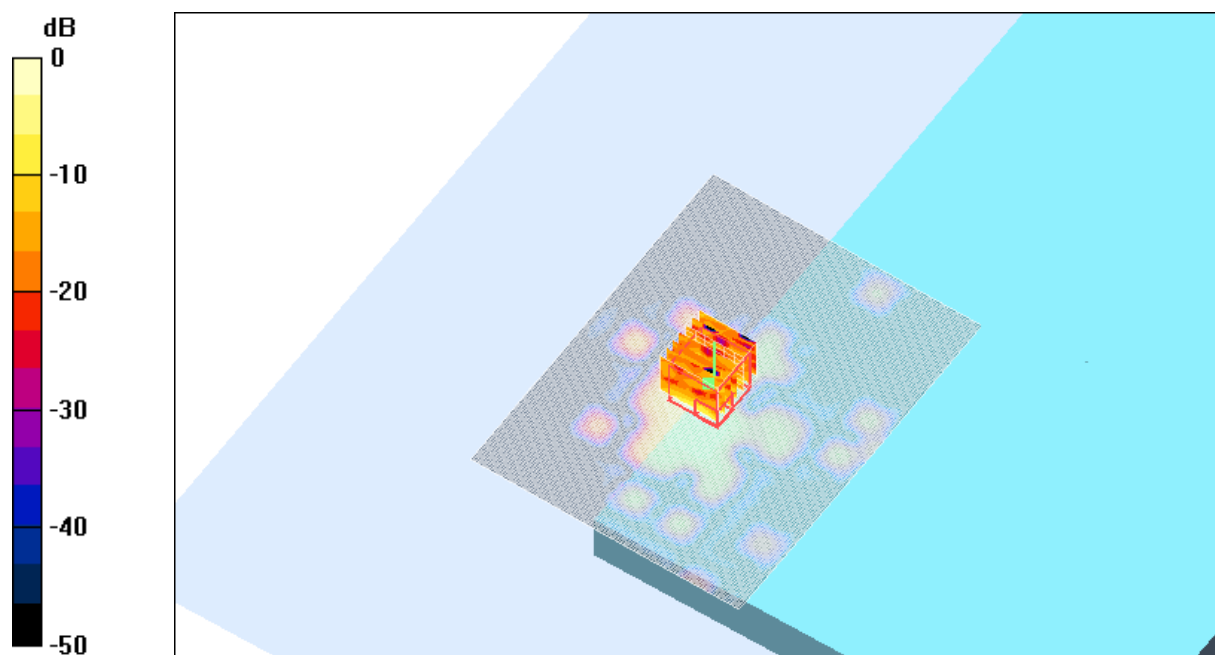
Channel 149 Test/Zoom Scan (7x7x8)/Cube 0: Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm

Reference Value = 23.1 V/m; Power Drift = -0.0 dB

Peak SAR (extrapolated) = 115831.0 W/kg

SAR(1 g) = 1.16 mW/g; SAR(10 g) = 0.249 mW/g

Maximum value of SAR (measured) = 1.38 mW/g



0 dB = 1.38mW/g

SAR MEASUREMENT PLOT 6

Ambient Temperature
Liquid Temperature
Humidity

20.2 Degrees Celsius
19.7 Degrees Celsius
47.0 %

Test Date: 27 May 2005

File Name: [Tablet OFDM 5.6 GHz Antenna A Bluetooth Off 27-05-05.da4](#)

DUT: Fujitsu Tablet Niechen with Atheros 11abg Module; Type: WLL 4070; Serial: MAC:0011F5-49FE74

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

* Medium parameters used: $\sigma = 6.1094$; mho/m, $\epsilon_r = 44.3914$; $\rho = 1000 \text{ kg/m}^3$

- Electronics: DAE3 Sn442; Probe: ES3DV3 - SN3029; ConvF(1.98, 1.98, 1.98)

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

Channel 157 Test/Area Scan (101x81x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 1.11 mW/g

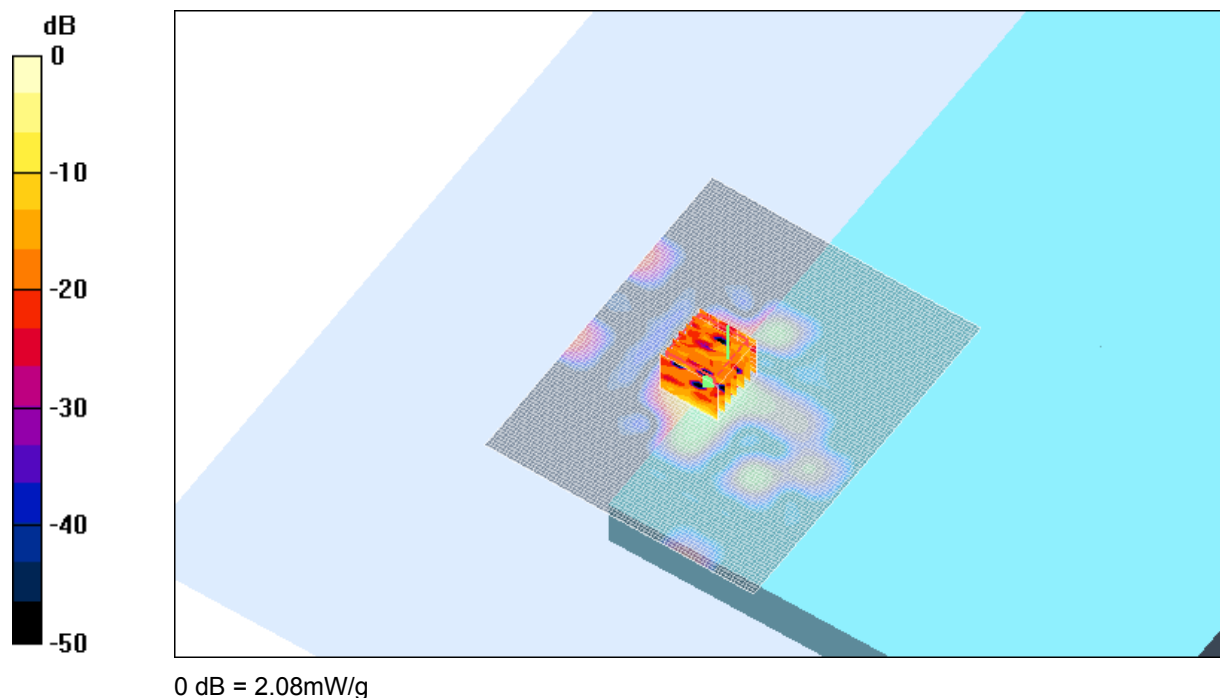
Channel 157 Test/Zoom Scan (7x7x8)/Cube 0: Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm

Reference Value = 28.6 V/m; Power Drift = 0.2 dB

Peak SAR (extrapolated) = 664.4 W/kg

SAR(1 g) = 1.53 mW/g; SAR(10 g) = 0.276 mW/g

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



SAR MEASUREMENT PLOT 7

Ambient Temperature
Liquid Temperature
Humidity

20.2 Degrees Celsius
19.7 Degrees Celsius
47.0 %

Test Date: 27 May 2005

File Name: [Tablet OFDM 5.6 GHz Antenna A Bluetooth Off 27-05-05.da4](#)

DUT: Fujitsu Tablet Niechen with Atheros 11abg Module; Type: WLL 4070; Serial: MAC:0011F5-49FE74

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

* Medium parameters used: $\sigma = 6.17193$; mho/m, $\epsilon_r = 44.2779$; $\rho = 1000 \text{ kg/m}^3$

- Electronics: DAE3 Sn442; Probe: ES3DV3 - SN3029; ConvF(1.98, 1.98, 1.98)

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

Channel 165 Test/Area Scan (101x81x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 1.39 mW/g

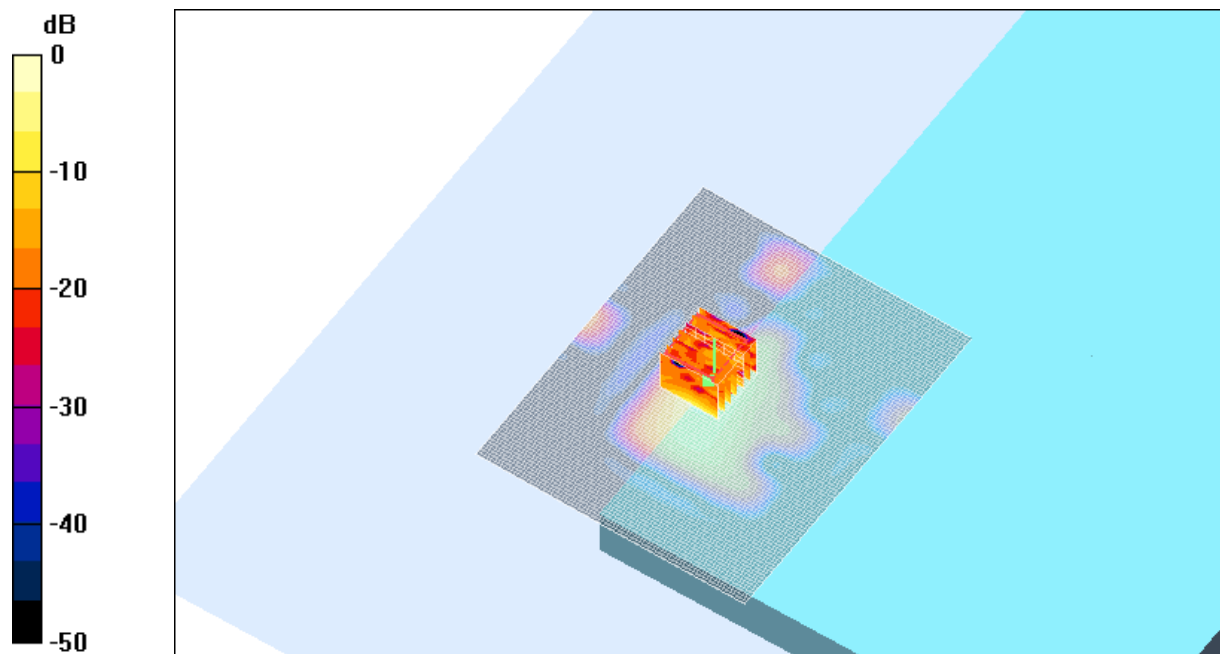
Channel 165 Test/Zoom Scan (7x7x8)/Cube 0: Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm

Reference Value = 28.7 V/m; Power Drift = -0.1 dB

Peak SAR (extrapolated) = 17.1 W/kg

SAR(1 g) = 1.18 mW/g; SAR(10 g) = 0.284 mW/g

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



0 dB = 2.25mW/g

SAR MEASUREMENT PLOT 8

Ambient Temperature
Liquid Temperature
Humidity

20.2 Degrees Celsius
19.7 Degrees Celsius
47.0 %

Test Date: 27 May 2005

File Name: [Tablet OFDM 5.6 GHz Antenna A Bluetooth Off Extended Battery 27-05-05.da4](#)

DUT: Fujitsu Tablet Niechen with Atheros 11abg Module; Type: WLL 4070; Serial: MAC:0011F5-49FE74

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

* Medium parameters used: $\sigma = 6.1094$; mho/m, $\epsilon_r = 44.3914$; $\rho = 1000 \text{ kg/m}^3$

- Electronics: DAE3 Sn442; Probe: ES3DV3 - SN3029; ConvF(1.98, 1.98, 1.98)

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

Channel 157 Test/Area Scan (101x81x1): Measurement grid: dx=15mm, dy=15mm

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

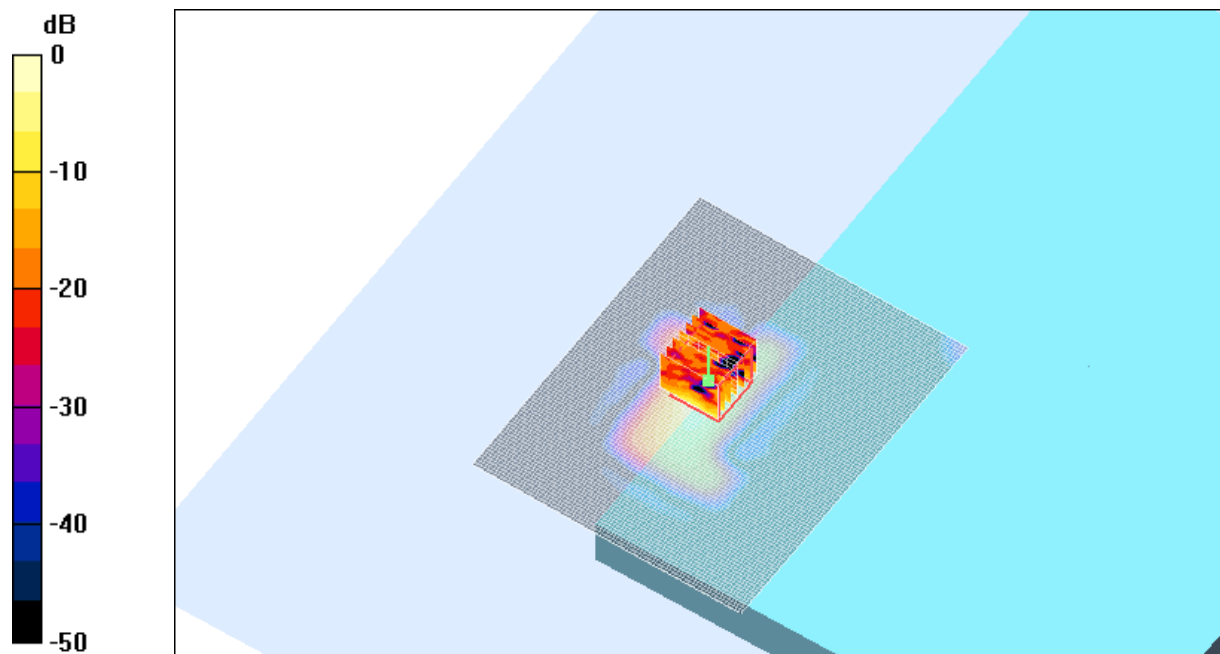
Channel 157 Test/Zoom Scan (7x7x8)/Cube 0: Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm

Reference Value = 28.7 V/m; Power Drift = -0.3 dB

Peak SAR (extrapolated) = 8.5 W/kg

SAR(1 g) = 1.09 mW/g; SAR(10 g) = 0.265 mW/g

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



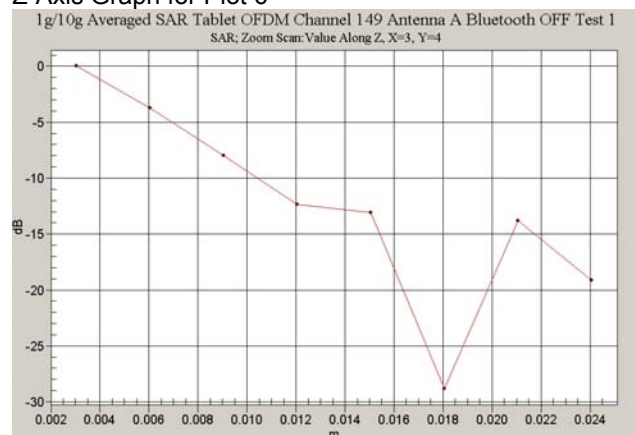
0 dB = 1.96mW/g

SAR MEASUREMENT PLOT 9

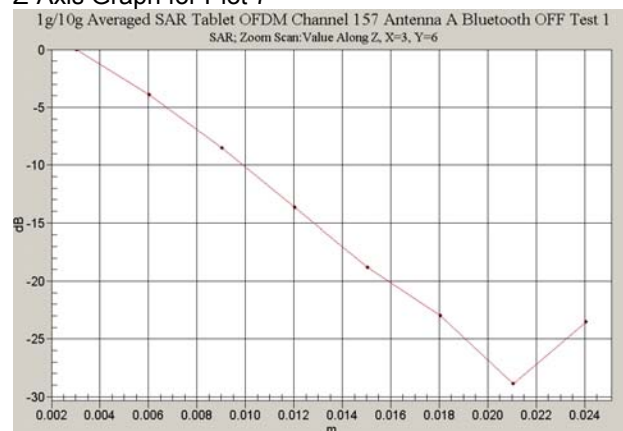
Ambient Temperature
Liquid Temperature
Humidity

20.2 Degrees Celsius
19.7 Degrees Celsius
47.0 %

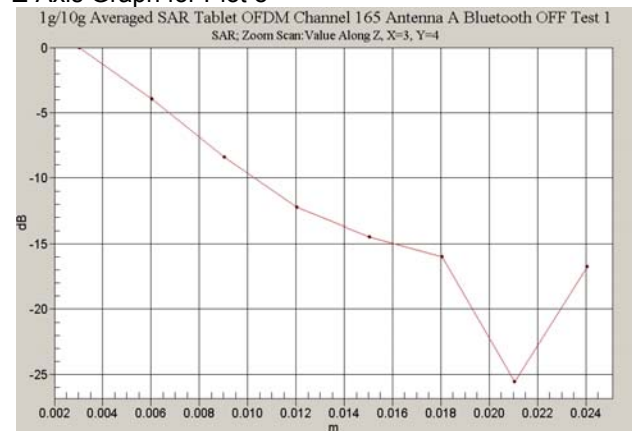
Z-Axis Graph for Plot 6



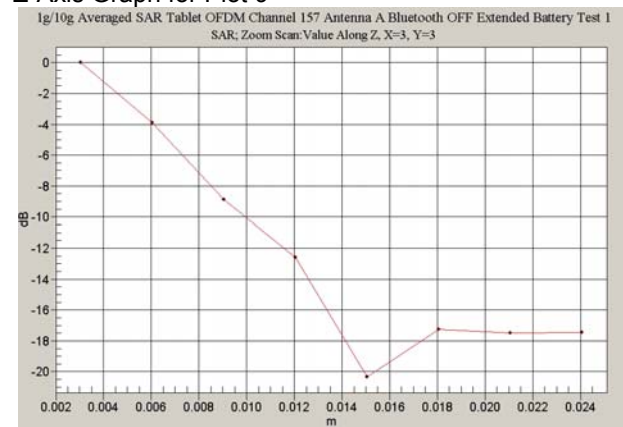
Z-Axis Graph for Plot 7



Z-Axis Graph for Plot 8



Z-Axis Graph for Plot 9



Test Date: 15 July 2005

File Name: [Edge On OFDM 5.6 GHz Antenna A 15-07-05.da4](#)

DUT: Fujitsu Tablet Niechen with Atheros 11abg Module; Type: WLL 4070; Serial: MAC:0011F5-49FE74

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

* Medium parameters used: $\sigma = 6.38343$; mho/m, $\epsilon_r = 46.3345$; $\rho = 1000 \text{ kg/m}^3$

- Electronics: DAE3 Sn442; Probe: ES3DV3 - SN3029; ConvF(1.98, 1.98, 1.98)

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

Channel 149 Test/Area Scan (61x101x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 1.21 mW/g

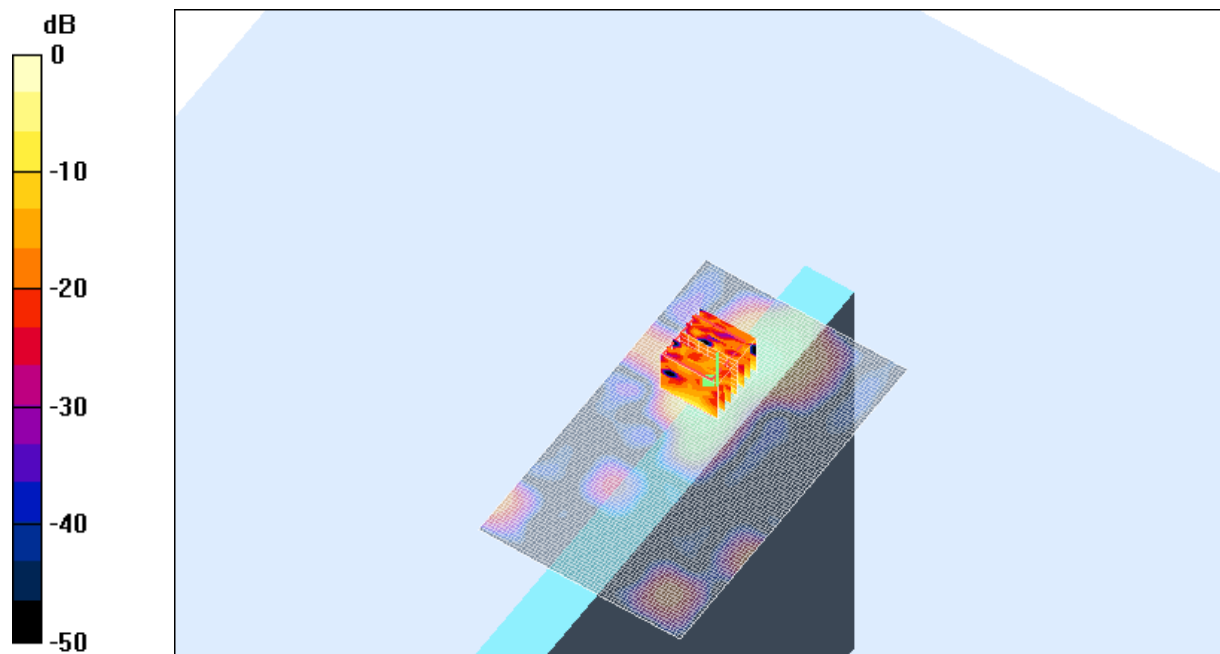
Channel 149 Test/Zoom Scan (7x7x8)/Cube 0: Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm

Reference Value = 3.89 V/m; Power Drift = -0.3 dB

Peak SAR (extrapolated) = 167261.6 W/kg

SAR(1 g) = 0.881 mW/g; SAR(10 g) = 0.252 mW/g

Maximum value of SAR (measured) = 1.64 mW/g



0 dB = 1.64mW/g

SAR MEASUREMENT PLOT 10

Ambient Temperature
Liquid Temperature
Humidity

20.0 Degrees Celsius
19.5 Degrees Celsius
45.0 %

Test Date: 15 July 2005

File Name: [Edge On OFDM 5.6 GHz Antenna A 15-07-05.da4](#)

DUT: Fujitsu Tablet Niechen with Atheros 11abg Module; Type: WLL 4070; Serial: MAC:0011F5-49FE74

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

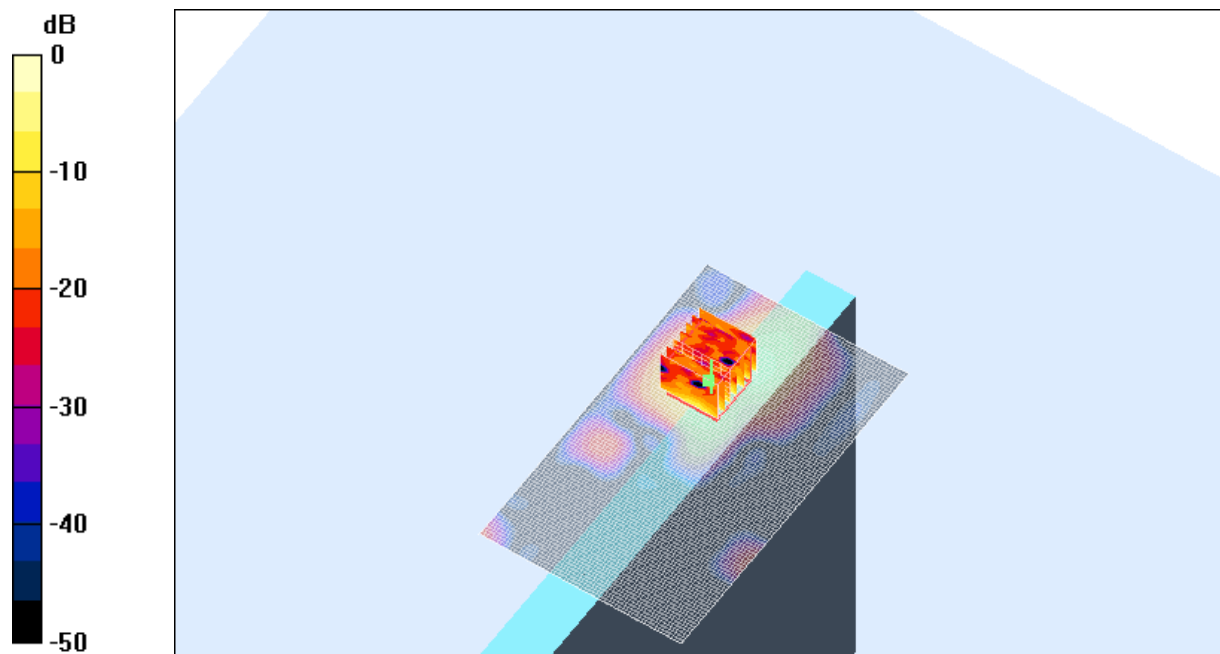
* Medium parameters used: $\sigma = 6.45668$; mho/m, $\epsilon_r = 46.2072$; $\rho = 1000 \text{ kg/m}^3$

- Electronics: DAE3 Sn442; Probe: ES3DV3 - SN3029; ConvF(1.98, 1.98, 1.98)

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

Channel 157 Test 2/Area Scan (61x101x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 1.42 mW/g

Channel 157 Test 2/Zoom Scan (7x7x8)/Cube 0: Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm
Reference Value = 4.68 V/m; Power Drift = 0.4 dB
Peak SAR (extrapolated) = 62.9 W/kg
SAR(1 g) = 1.18 mW/g; SAR(10 g) = 0.279 mW/g
Maximum value of SAR (measured) = 2.28 mW/g



0 dB = 2.28mW/g

SAR MEASUREMENT PLOT 11

Ambient Temperature
Liquid Temperature
Humidity

20.0 Degrees Celsius
19.5 Degrees Celsius
45.0 %

Test Date: 15 July 2005

File Name: [Edge On OFDM 5.6 GHz Antenna A 15-07-05.da4](#)

DUT: Fujitsu Tablet Niechen with Atheros 11abg Module; Type: WLL 4070; Serial: MAC:0011F5-49FE74

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

* Medium parameters used: $\sigma = 6.5327$; mho/m, $\epsilon_r = 46.0857$; $\rho = 1000 \text{ kg/m}^3$

- Electronics: DAE3 Sn442; Probe: ES3DV3 - SN3029; ConvF(1.98, 1.98, 1.98)

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

Channel 165 Test/Area Scan (61x101x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 2.28 mW/g

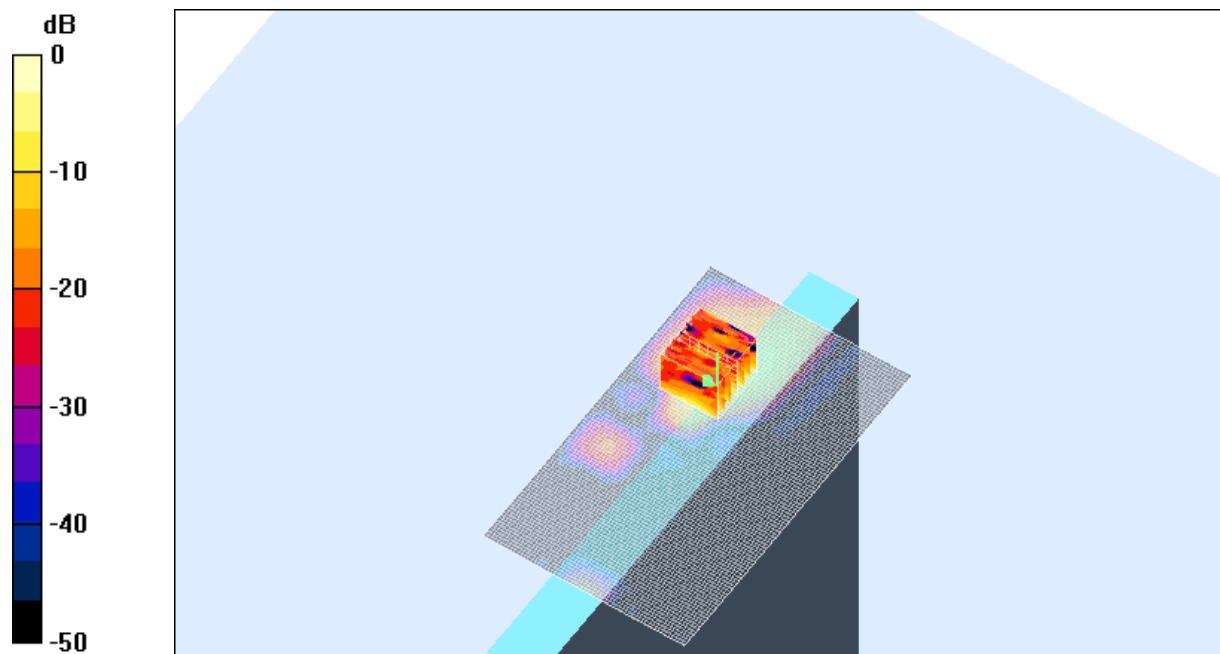
Channel 165 Test/Zoom Scan (7x7x8)/Cube 0: Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm

Reference Value = 3.62 V/m; Power Drift = -0.0 dB

Peak SAR (extrapolated) = 3517422.9 W/kg

SAR(1 g) = 1.57 mW/g; SAR(10 g) = 0.383 mW/g

Maximum value of SAR (measured) = 2.24 mW/g



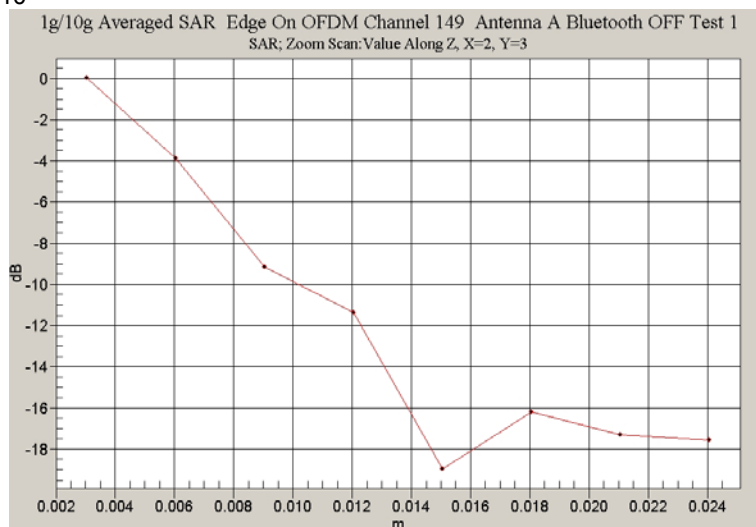
0 dB = 2.24mW/g

SAR MEASUREMENT PLOT 12

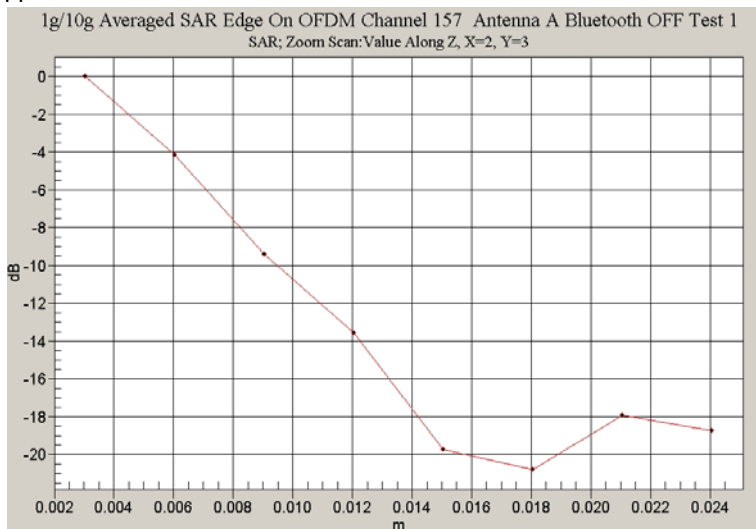
Ambient Temperature
Liquid Temperature
Humidity

20.0 Degrees Celsius
19.5 Degrees Celsius
45.0 %

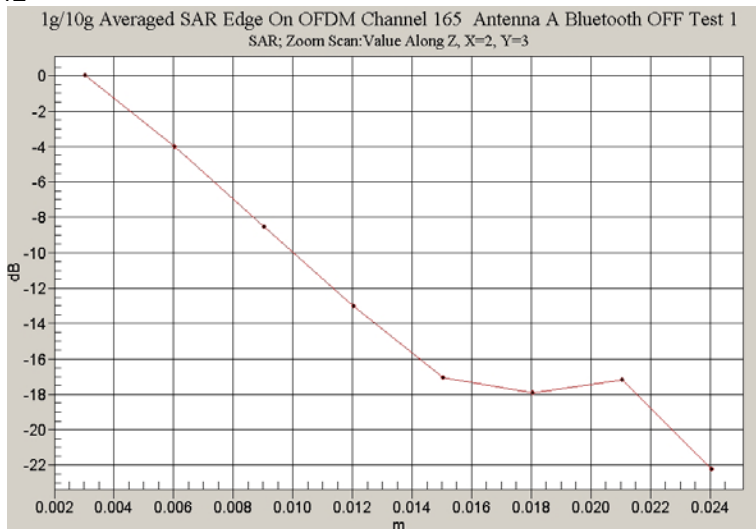
Z-Axis Scan for Plot 10



Z-Axis Scan for Plot 11



Z-Axis Scan for Plot 12



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Test Date: 15 July 2005

File Name: [Edge On OFDM 5.2 GHz Antenna B 15-07-05.da4](#)

DUT: Fujitsu Tablet Niechen with Atheros 11abg Module; Type: WLL 4070; Serial: MAC:0011F5-49FE74

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

* Medium parameters used: $\sigma = 6.38343$; mho/m, $\epsilon_r = 46.3345$; $\rho = 1000 \text{ kg/m}^3$

- Electronics: DAE3 Sn442; Probe: ES3DV3 - SN3029; ConvF(1.98, 1.98, 1.98)

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

Channel 149 Test/Area Scan (61x101x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 2.52 mW/g

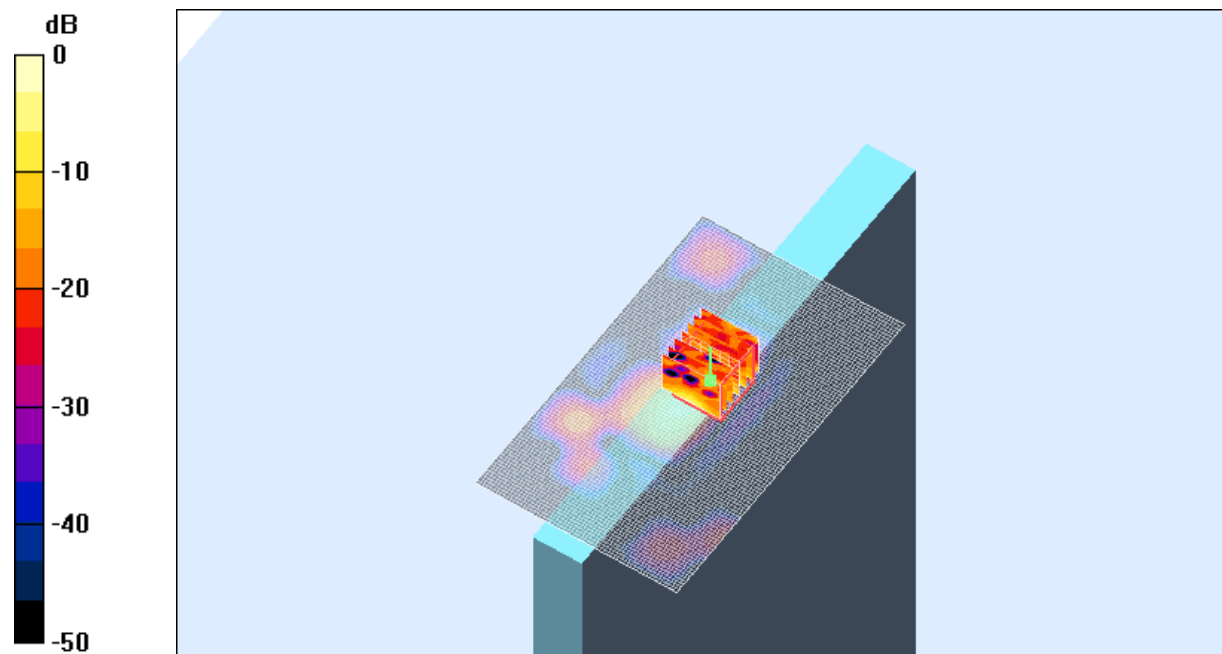
Channel 149 Test/Zoom Scan (7x7x8)/Cube 0: Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm

Reference Value = 4.43 V/m; Power Drift = -0.3 dB

Peak SAR (extrapolated) = 7.09 W/kg

SAR(1 g) = 1.22 mW/g; SAR(10 g) = 0.287 mW/g

Maximum value of SAR (measured) = 2.26 mW/g



SAR MEASUREMENT PLOT 13

Ambient Temperature
Liquid Temperature
Humidity

20.0 Degrees Celsius
19.5 Degrees Celsius
45.0 %

Test Date: 15 July 2005

File Name: [Edge On OFDM 5.2 GHz Antenna B 15-07-05.da4](#)

DUT: Fujitsu Tablet Niechen with Atheros 11abg Module; Type: WLL 4070; Serial: MAC:0011F5-49FE74

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

* Medium parameters used: $\sigma = 6.45668$; mho/m, $\epsilon_r = 46.2072$; $\rho = 1000 \text{ kg/m}^3$

- Electronics: DAE3 Sn442; Probe: ES3DV3 - SN3029; ConvF(1.98, 1.98, 1.98)

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

Channel 157 Test/Area Scan (61x101x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 2.02 mW/g

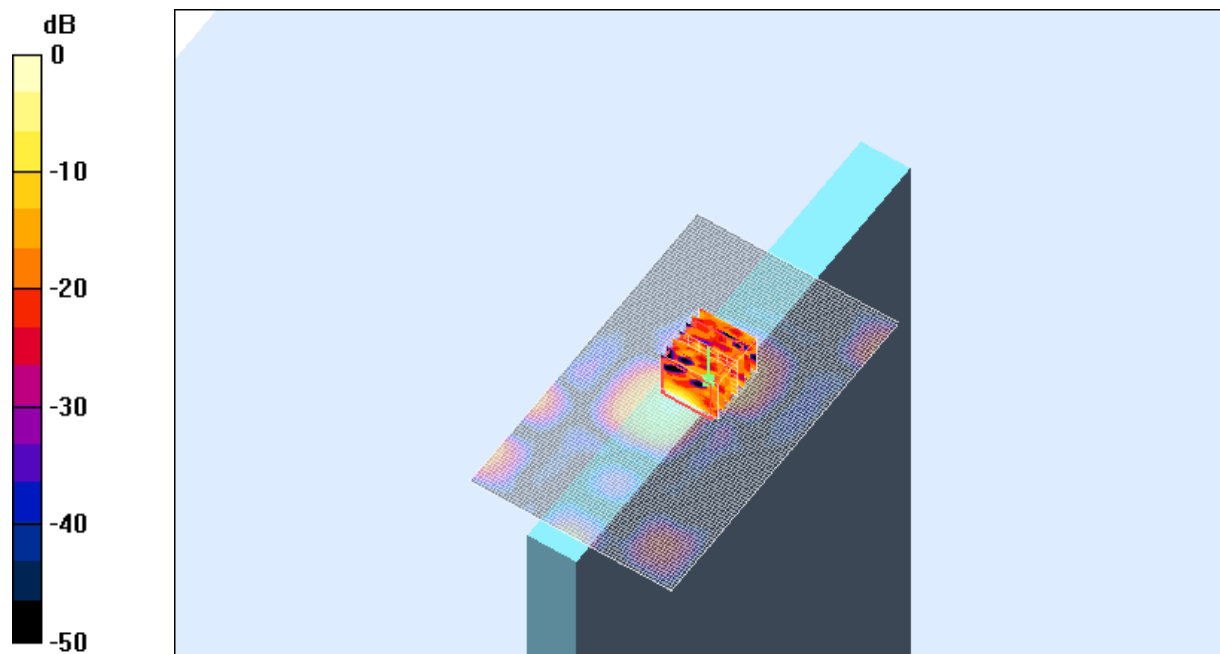
Channel 157 Test/Zoom Scan (7x7x8)/Cube 0: Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm

Reference Value = 3.93 V/m; Power Drift = 0.4 dB

Peak SAR (extrapolated) = 10.2 W/kg

SAR(1 g) = 0.939 mW/g; SAR(10 g) = 0.211 mW/g

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



SAR MEASUREMENT PLOT 14

Ambient Temperature
Liquid Temperature
Humidity

20.0 Degrees Celsius
19.5 Degrees Celsius
45.0 %

Test Date: 15 July 2005

File Name: [Edge On OFDM 5.2 GHz Antenna B 15-07-05.da4](#)

DUT: Fujitsu Tablet Niechen with Atheros 11abg Module; Type: WLL 4070; Serial: MAC:0011F5-49FE74

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

* Medium parameters used: $\sigma = 6.5327$; mho/m, $\epsilon_r = 46.0857$; $\rho = 1000 \text{ kg/m}^3$

- Electronics: DAE3 Sn442; Probe: ES3DV3 - SN3029; ConvF(1.98, 1.98, 1.98)

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

Channel 165 Test/Area Scan (61x101x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 2.05 mW/g

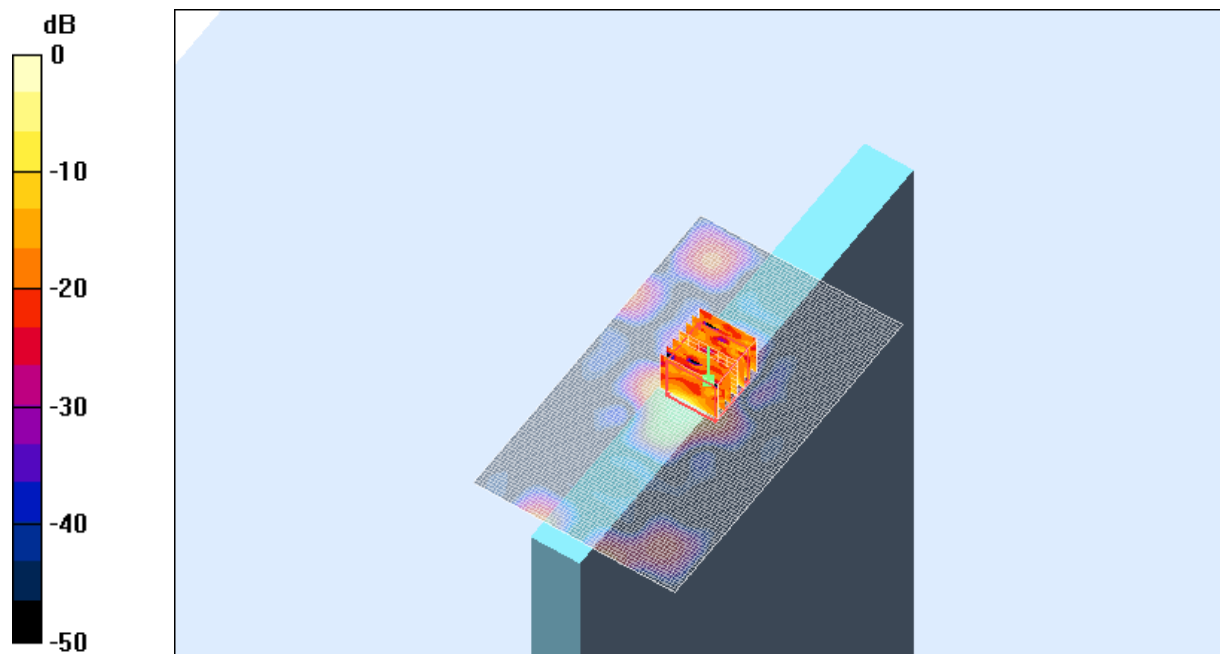
Channel 165 Test/Zoom Scan (7x7x8)/Cube 0: Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm

Reference Value = 2.59 V/m; Power Drift = -0.3 dB

Peak SAR (extrapolated) = 98.5 W/kg

SAR(1 g) = 0.910 mW/g; SAR(10 g) = 0.239 mW/g

Maximum value of SAR (measured) = 1.8 mW/g



0 dB = 1.8mW/g

SAR MEASUREMENT PLOT 15

Ambient Temperature

20.0 Degrees Celsius

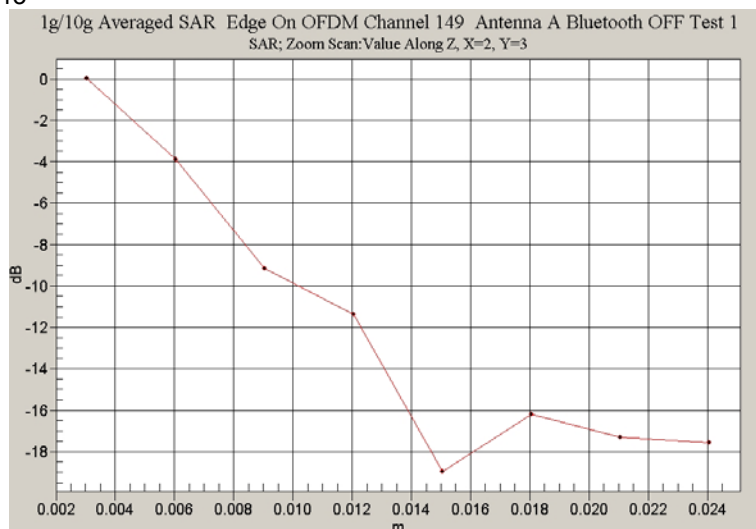
Liquid Temperature

19.5 Degrees Celsius

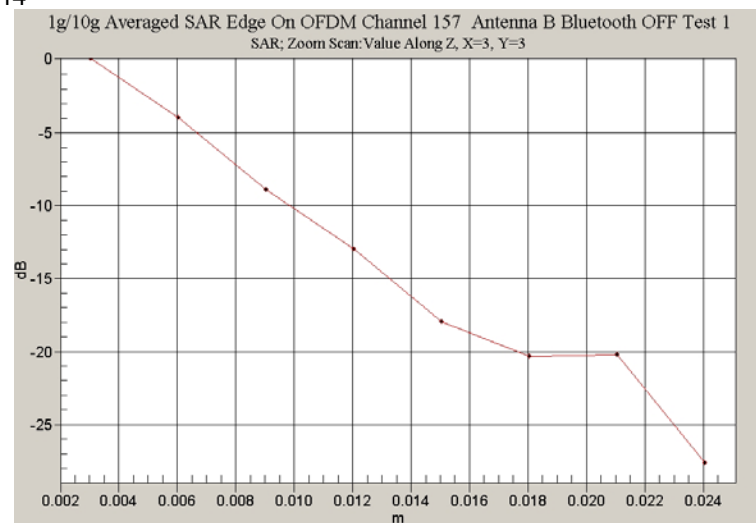
Humidity

45.0 %

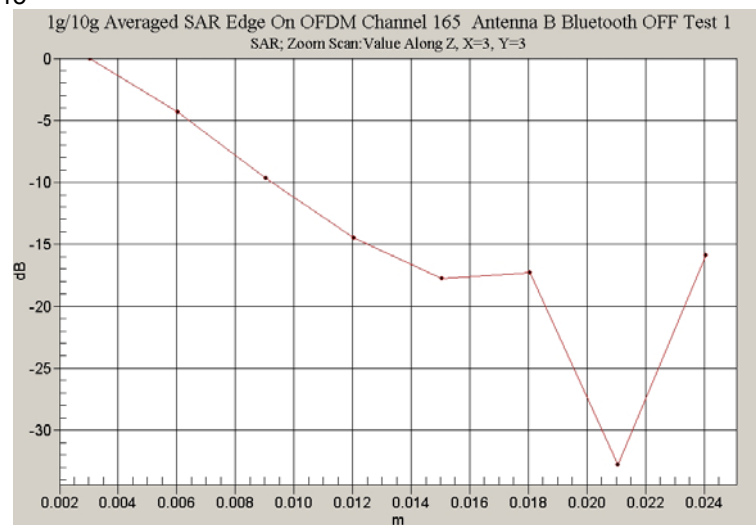
Z-Axis Scan for Plot 13



Z-Axis Scan for Plot 14



Z-Axis Scan for Plot 15



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