

Test Date: 10 August 2006

File Name: [Edge On DSSS 2.45 GHz Antenna A Bluetooth Off 10-08-06.da4](#)

DUT: Fujitsu Tablet Osian with Atheros XB62 11abg Module; Type: XB62; Serial: MAC:0011F5-D82570

* Communication System: DSSS 2450 MHz; Frequency: 2412 MHz; Duty Cycle: 1:1

* Medium parameters used: $\sigma = 1.86965$ mho/m, $\epsilon_r = 51.3974$; $\rho = 1000$ kg/m³

- Electronics: DAE3 Sn442; Probe: ET3DV6 - SN1377; ConvF(4.2, 4.2, 4.2)

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

Channel 01 Test/Area Scan (101x81x1): Measurement grid: dx=15mm, dy=15mm

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

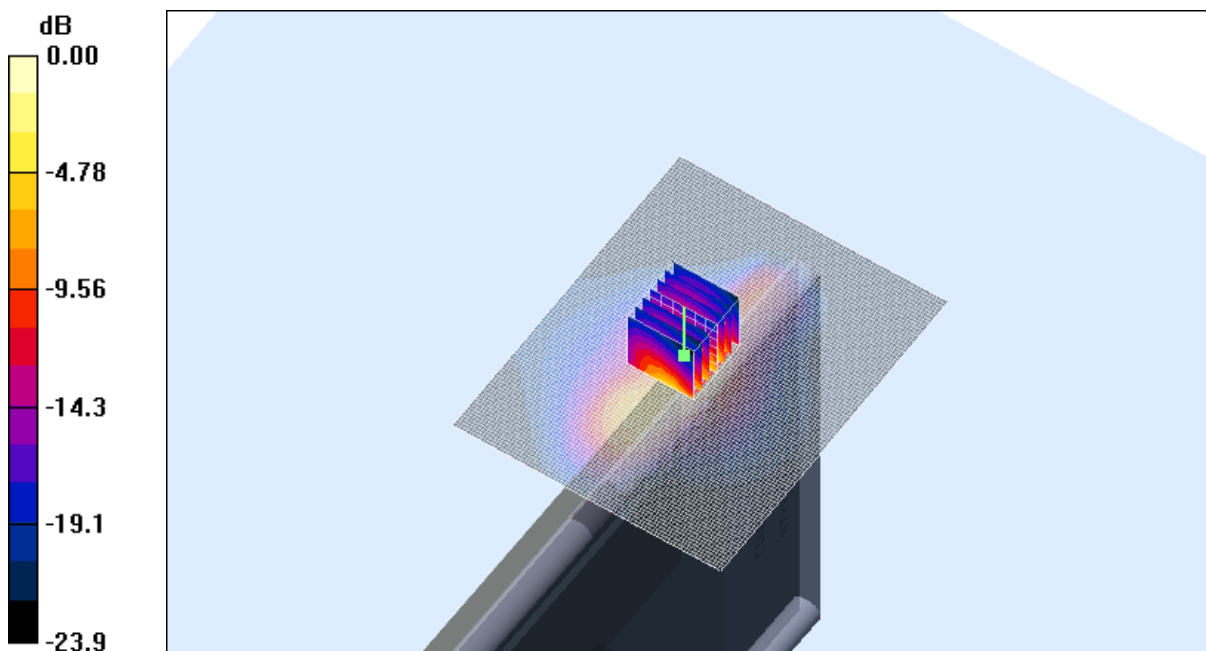
Channel 01 Test/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 20.7 V/m; Power Drift = 0.225 dB

Peak SAR (extrapolated) = 4.06 W/kg

SAR(1 g) = 1.57 mW/g; SAR(10 g) = 0.614 mW/g

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



SAR MEASUREMENT PLOT 10

Ambient Temperature
Liquid Temperature
Humidity

20.2 Degrees Celsius
19.9 Degrees Celsius
37.0 %

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DUT: Fujitsu Tablet Osian with Atheros XB62 11abg Module; Type: XB62; Serial: MAC:0011F5-D82570

* Communication System: DSSS 2450 MHz; Frequency: 2437 MHz; Duty Cycle: 1:1

* Medium parameters used: $\sigma = 1.92062$ mho/m, $\epsilon_r = 51.279$; $\rho = 1000$ kg/m³

- Electronics: DAE3 Sn442; Probe: ET3DV6 - SN1377; ConvF(4.2, 4.2, 4.2)

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

Channel 06 Test/Area Scan (101x81x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 1.32 mW/g

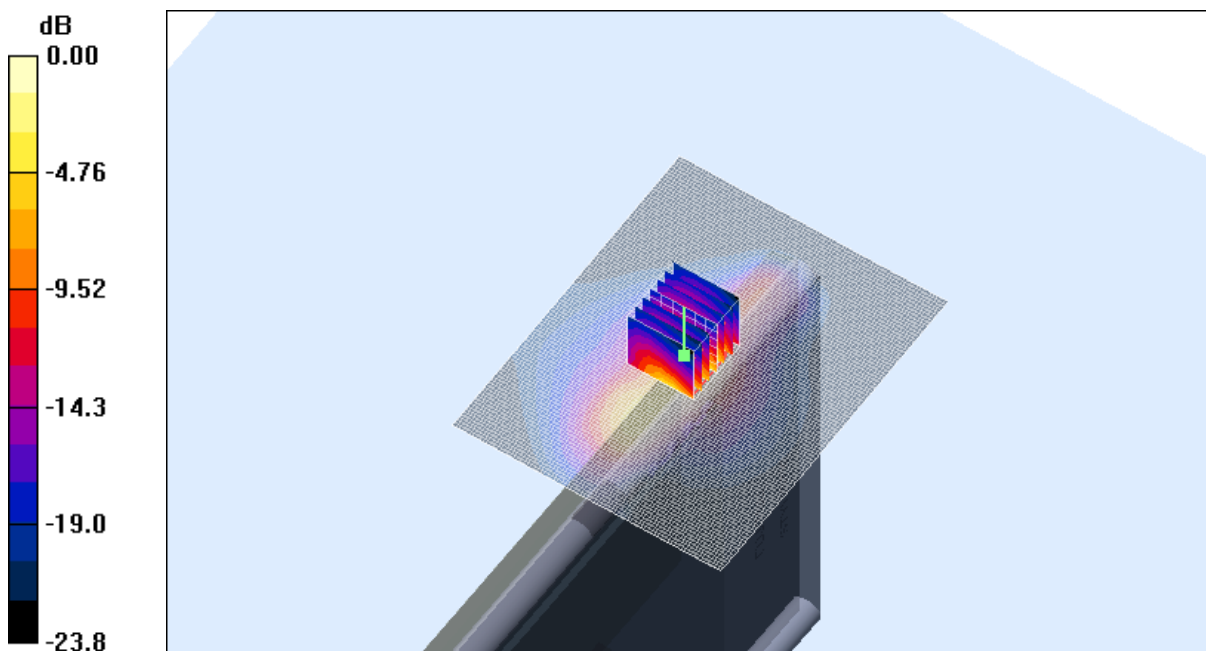
Channel 06 Test/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 20.3 V/m; Power Drift = 0.170 dB

Peak SAR (extrapolated) = 3.92 W/kg

SAR(1 g) = 1.51 mW/g; SAR(10 g) = 0.590 mW/g

Maximum value of SAR (measured) = 1.84 mW/g



0 dB = 1.84mW/g

SAR MEASUREMENT PLOT 11

Ambient Temperature
Liquid Temperature
Humidity

20.2 Degrees Celsius
19.9 Degrees Celsius
37.0 %

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DUT: Fujitsu Tablet Osian with Atheros XB62 11abg Module; Type: XB62; Serial: MAC:0011F5-D82570

* Communication System: DSSS 2450 MHz; Frequency: 2462 MHz; Duty Cycle: 1:1

* Medium parameters used: $\sigma = 1.96782 \text{ mho/m}$, $\epsilon_r = 51.1462$; $\rho = 1000 \text{ kg/m}^3$

- Electronics: DAE3 Sn442; Probe: ET3DV6 - SN1377; ConvF(4.2, 4.2, 4.2)

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

Channel 11 Test/Area Scan (101x81x1): Measurement grid: dx=15mm, dy=15mm

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

Channel 11 Test/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm,

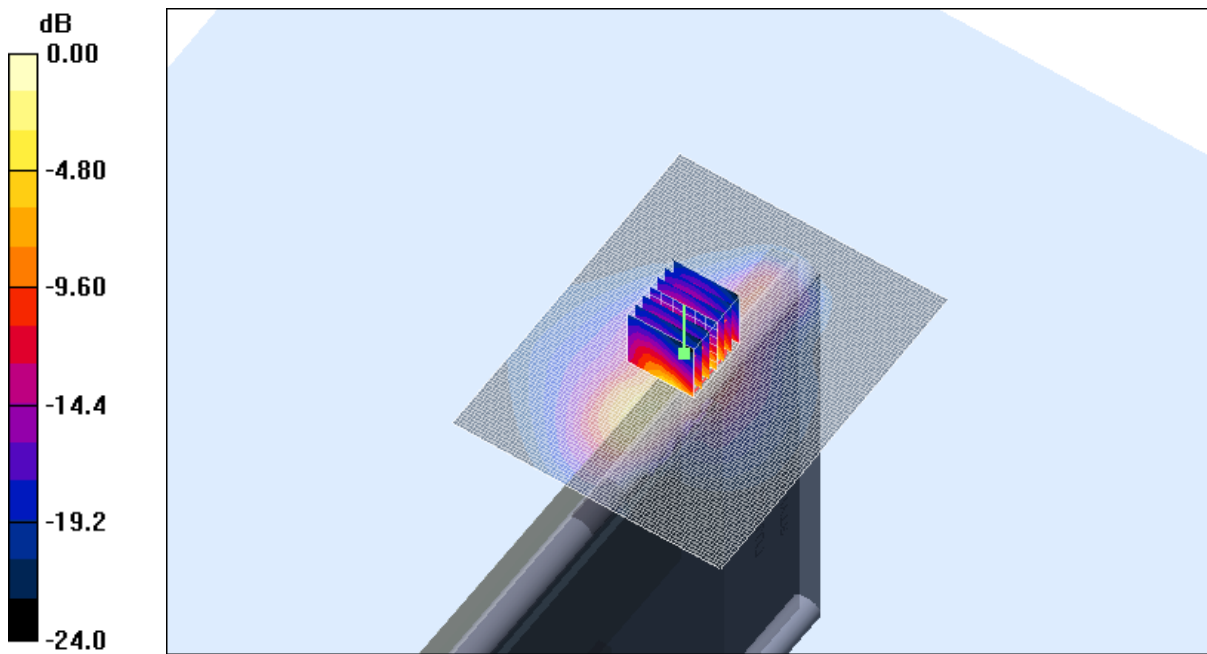
dz=5mm

Reference Value = 19.0 V/m; Power Drift = 0.119 dB

Peak SAR (extrapolated) = 3.79 W/kg

SAR(1 g) = 1.4 mW/g; SAR(10 g) = 0.541 mW/g

Maximum value of SAR (measured) = 1.69 mW/g



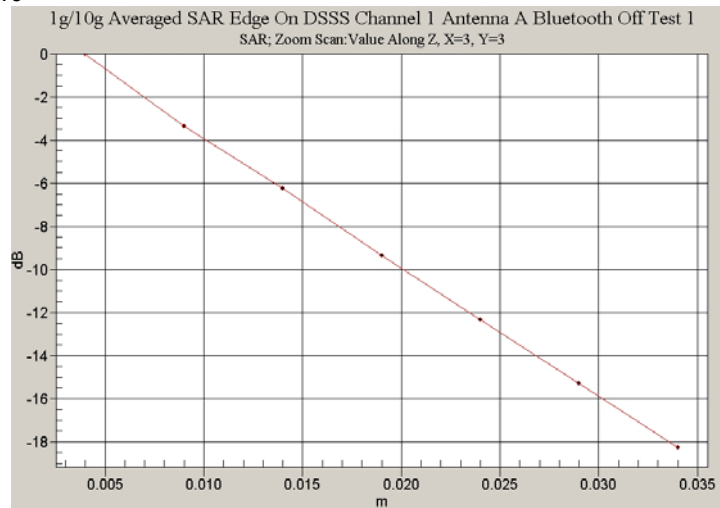
0 dB = 1.69mW/g

SAR MEASUREMENT PLOT 12

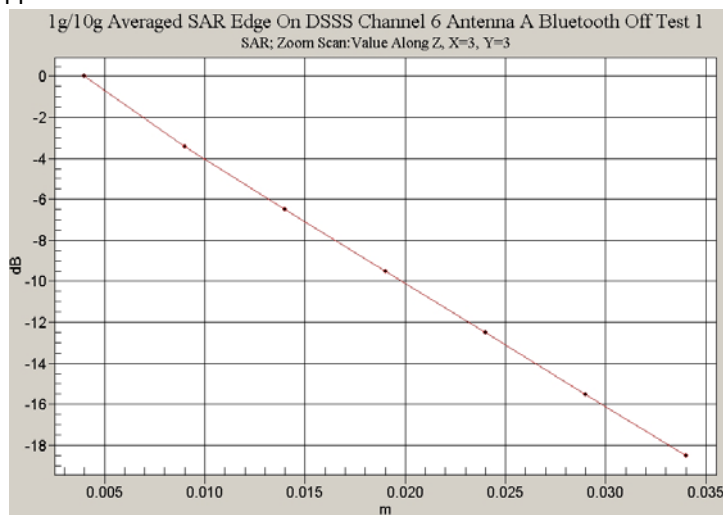
Ambient Temperature
Liquid Temperature
Humidity

20.2 Degrees Celsius
19.9 Degrees Celsius
37.0 %

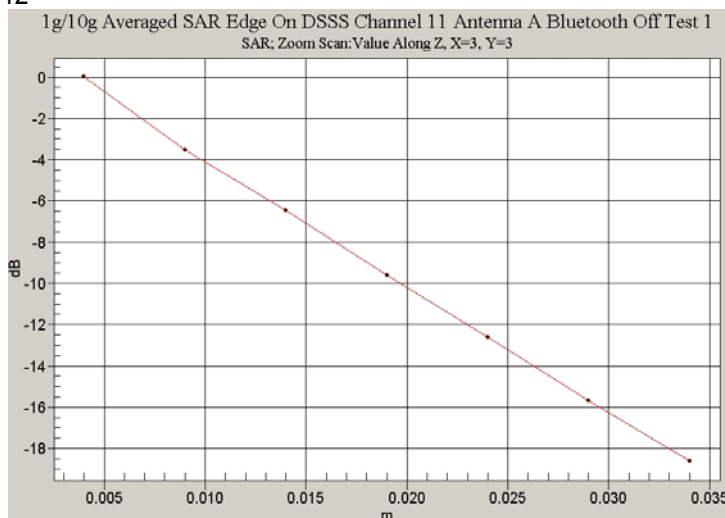
Z-Axis Graph for Plot 10



Z-Axis Graph for Plot 11



Z-Axis Graph for Plot 12



Test Date: 10 August 2006

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DUT: Fujitsu Tablet Osian with Atheros XB62 11abg Module; Type: XB62; Serial: MAC:0011F5-D82570

* Communication System: DSSS 2450 MHz; Frequency: 2412 MHz; Duty Cycle: 1:1

* Medium parameters used: $\sigma = 1.86965$ mho/m, $\epsilon_r = 51.3974$; $\rho = 1000$ kg/m³

- Electronics: DAE3 Sn442; Probe: ET3DV6 - SN1377; ConvF(4.2, 4.2, 4.2)

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

Channel 01 Test/Area Scan (61x81x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.201 mW/g

Channel 01 Test/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm,

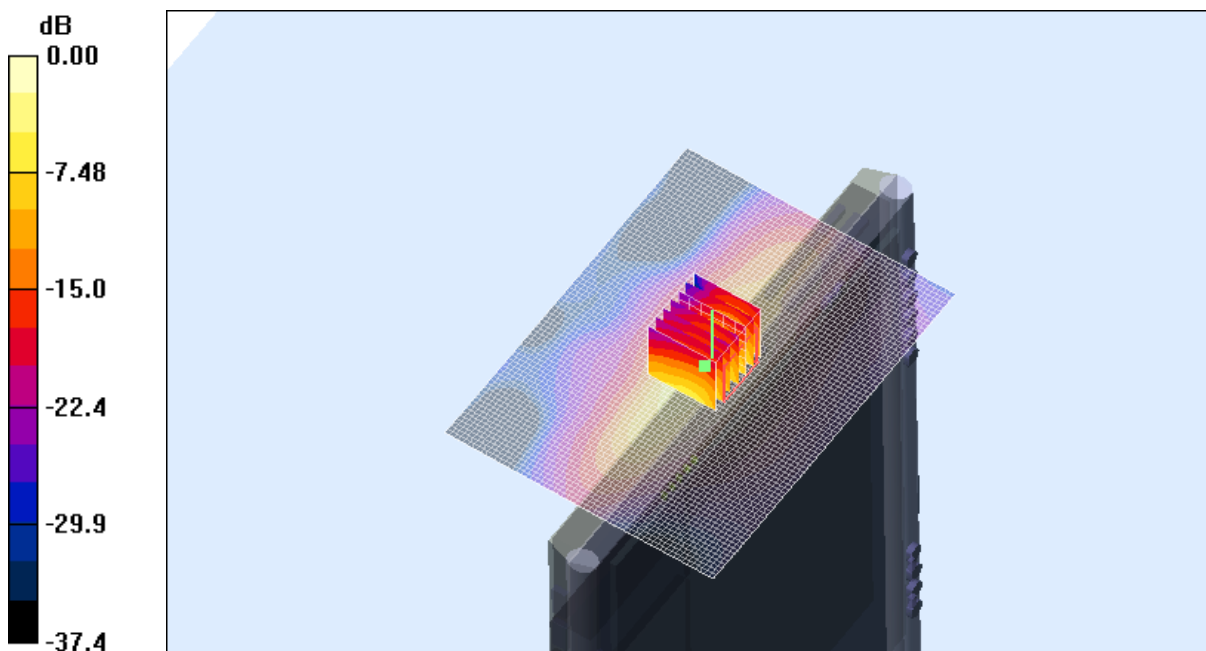
dz=5mm

Reference Value = 12.2 V/m; Power Drift = 0.311 dB

Peak SAR (extrapolated) = 0.680 W/kg

SAR(1 g) = 0.253 mW/g; SAR(10 g) = 0.089 mW/g

Maximum value of SAR (measured) = 0.322 mW/g



0 dB = 0.322mW/g

SAR MEASUREMENT PLOT 13

Ambient Temperature

20.2 Degrees Celsius

Liquid Temperature

19.9 Degrees Celsius

Humidity

37.0 %

Test Date: 10 August 2006

File Name: [Edge On DSSS 2.45 GHz Antenna B Bluetooth Off 10-08-06.da4](#)

DUT: Fujitsu Tablet Osian with Atheros XB62 11abg Module; Type: XB62; Serial: MAC:0011F5-D82570

* Communication System: DSSS 2450 MHz; Frequency: 2437 MHz; Duty Cycle: 1:1

* Medium parameters used: $\sigma = 1.92062$ mho/m, $\epsilon_r = 51.279$; $\rho = 1000$ kg/m³

- Electronics: DAE3 Sn442; Probe: ET3DV6 - SN1377; ConvF(4.2, 4.2, 4.2)

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

Channel 06 Test/Area Scan (61x81x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.246 mW/g

Channel 06 Test/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm,

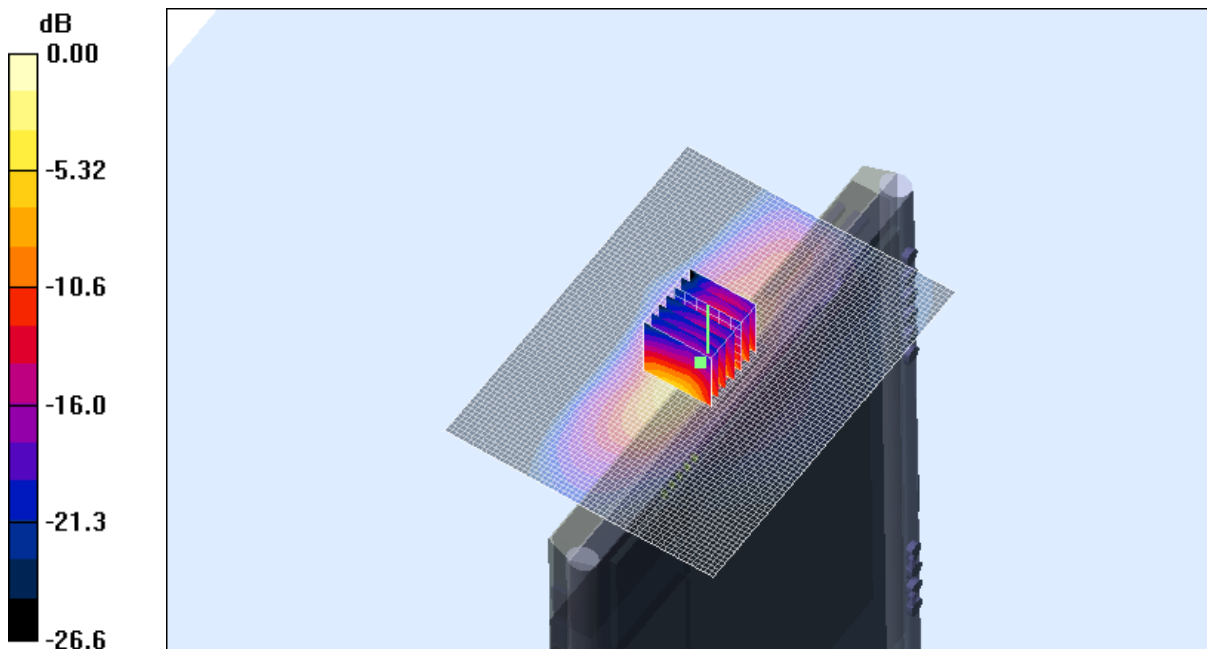
dz=5mm

Reference Value = 12.8 V/m; Power Drift = 0.081 dB

Peak SAR (extrapolated) = 0.724 W/kg

SAR(1 g) = 0.268 mW/g; SAR(10 g) = 0.093 mW/g

Maximum value of SAR (measured) = 0.338 mW/g



0 dB = 0.338mW/g

SAR MEASUREMENT PLOT 14

Ambient Temperature
Liquid Temperature
Humidity

20.2 Degrees Celsius
19.9 Degrees Celsius
37.0 %

Test Date: 10 August 2006

File Name: [Edge On DSSS 2.45 GHz Antenna B Bluetooth Off 10-08-06.da4](#)

DUT: Fujitsu Tablet Osian with Atheros XB62 11abg Module; Type: XB62; Serial: MAC:0011F5-D82570

* Communication System: DSSS 2450 MHz; Frequency: 2462 MHz; Duty Cycle: 1:1

* Medium parameters used: $\sigma = 1.96782$ mho/m, $\epsilon_r = 51.1462$; $\rho = 1000$ kg/m³

- Electronics: DAE3 Sn442; Probe: ET3DV6 - SN1377; ConvF(4.2, 4.2, 4.2)

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

Channel 11 Test/Area Scan (61x81x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.271 mW/g

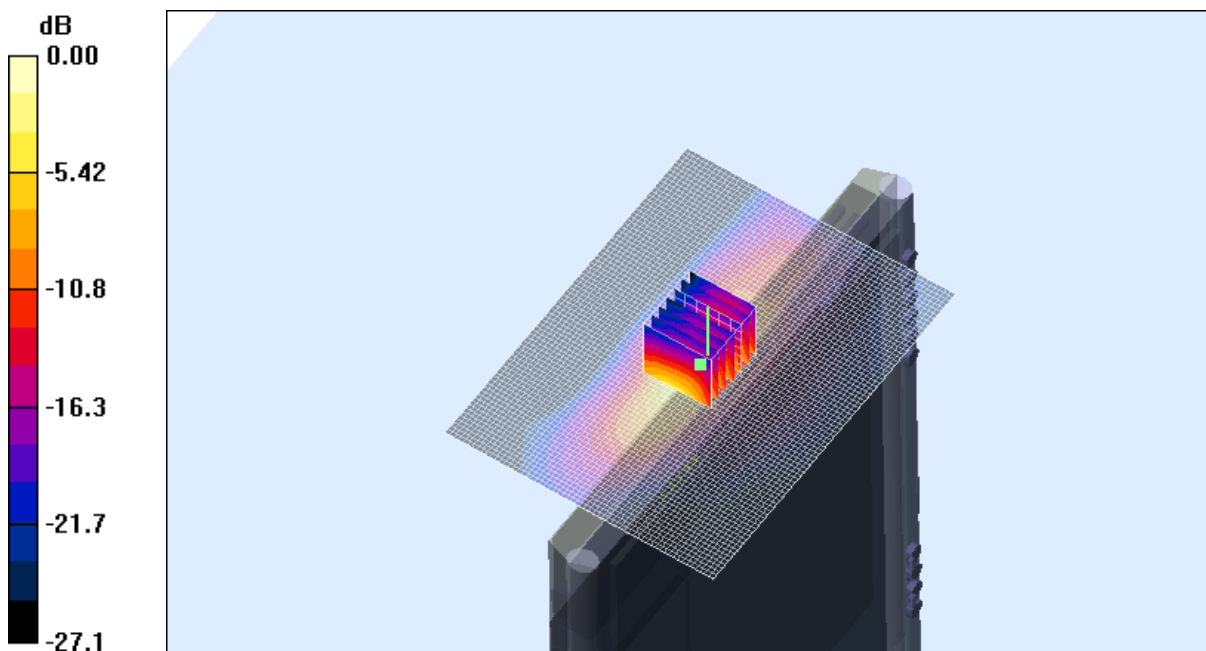
Channel 11 Test/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 12.5 V/m; Power Drift = 0.273 dB

Peak SAR (extrapolated) = 0.699 W/kg

SAR(1 g) = 0.253 mW/g; SAR(10 g) = 0.090 mW/g

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



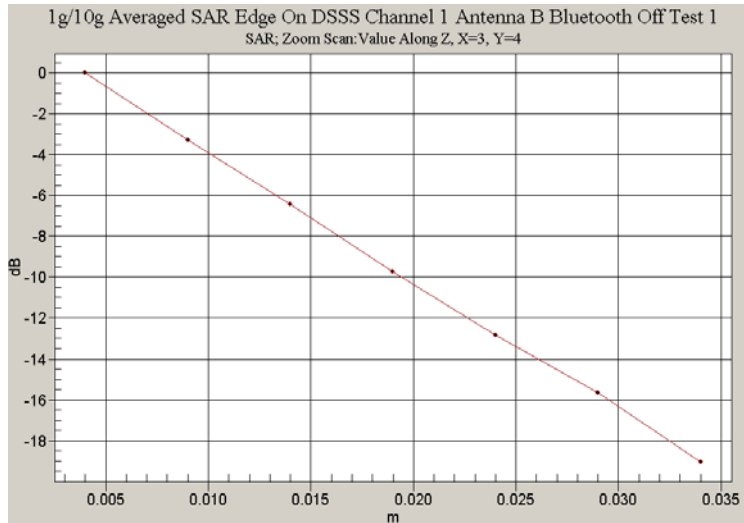
0 dB = 0.308mW/g

SAR MEASUREMENT PLOT 15

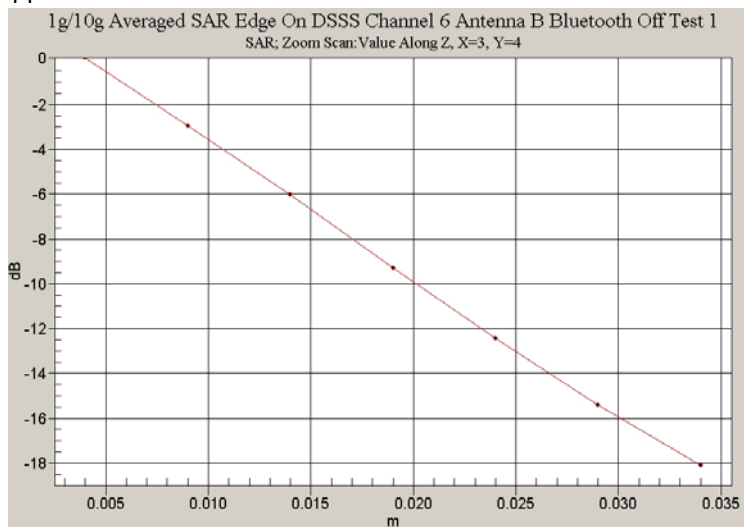
Ambient Temperature
Liquid Temperature
Humidity

20.2 Degrees Celsius
19.9 Degrees Celsius
37.0 %

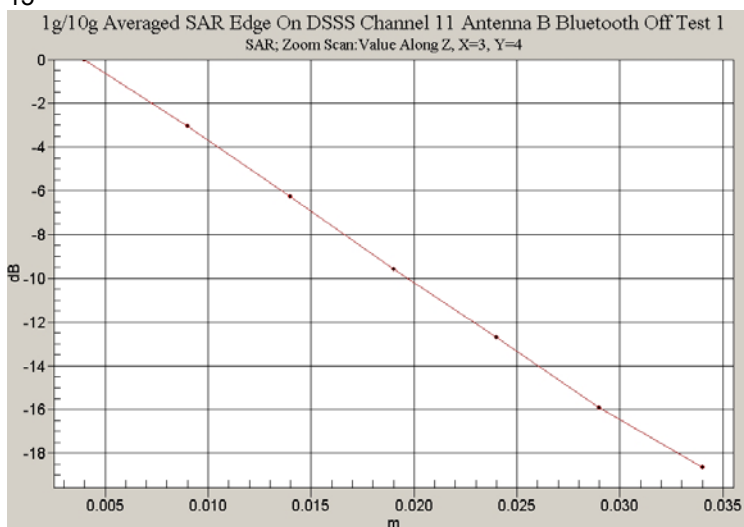
Z-Axis Graph for Plot 13



Z-Axis Graph for Plot 14



Z-Axis Graph for Plot 15



Test Date: 09 August 2006

File Name: [Arm Held DSSS 2.45 GHz Antenna B Bluetooth On 09-08-06.da4](#)

DUT: Fujitsu Tablet Osian with Atheros XB62 11abg Module; Type: XB62; Serial: MAC:0011F5-D82570

* Communication System: DSSS 2450 MHz; Frequency: 2462 MHz; Duty Cycle: 1:1

* Medium parameters used: $\sigma = 2.02666$ mho/m, $\epsilon_r = 50.632$; $\rho = 1000$ kg/m³

- Electronics: DAE3 Sn442; Probe: ET3DV6 - SN1377; ConvF(4.2, 4.2, 4.2)

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

Channel 11 Test/Area Scan (81x61x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 1.28 mW/g

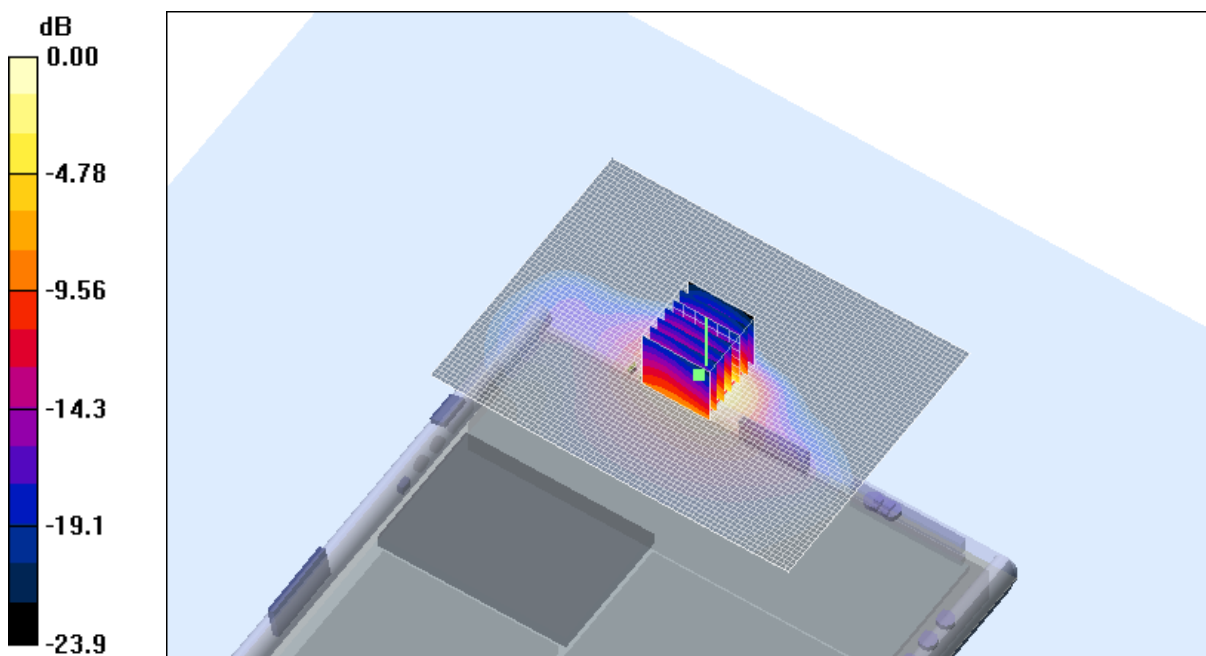
Channel 11 Test/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 20.6 V/m; Power Drift = -0.193 dB

Peak SAR (extrapolated) = 2.48 W/kg

SAR(1 g) = 0.932 mW/g; SAR(10 g) = 0.360 mW/g

Maximum value of SAR (measured) = 1.09 mW/g



0 dB = 1.09mW/g

SAR MEASUREMENT PLOT 16

Ambient Temperature
Liquid Temperature
Humidity

20.4 Degrees Celsius
19.9 Degrees Celsius
36.0 %

Test Date: 10 August 2006

File Name: [Tablet DSSS 2.45 GHz Ant A Bluetooth On 10-08-06.da4](#)

DUT: Fujitsu Tablet Osian with Atheros XB62 11abg Module; Type: XB62; Serial: MAC:0011F5-D82570

* Communication System: DSSS 2450 MHz; Frequency: 2437 MHz; Duty Cycle: 1:1

* Medium parameters used: $\sigma = 1.92062$ mho/m, $\epsilon_r = 51.279$; $\rho = 1000$ kg/m³

- Electronics: DAE3 Sn442; Probe: ET3DV6 - SN1377; ConvF(4.2, 4.2, 4.2)

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

Channel 06 Test/Area Scan (101x81x1): Measurement grid: dx=15mm, dy=15mm

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

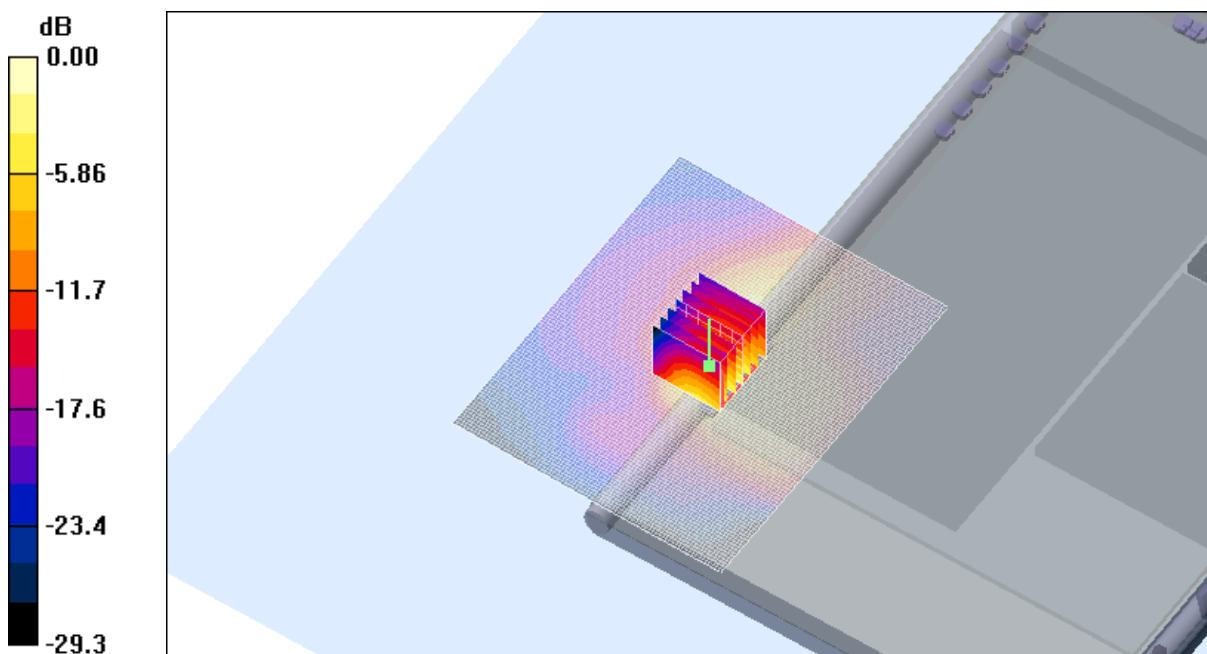
Channel 06 Test/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 17.4 V/m; Power Drift = -0.043 dB

Peak SAR (extrapolated) = 2.63 W/kg

SAR(1 g) = 1.09 mW/g; SAR(10 g) = 0.488 mW/g

Maximum value of SAR (measured) = 1.22 mW/g



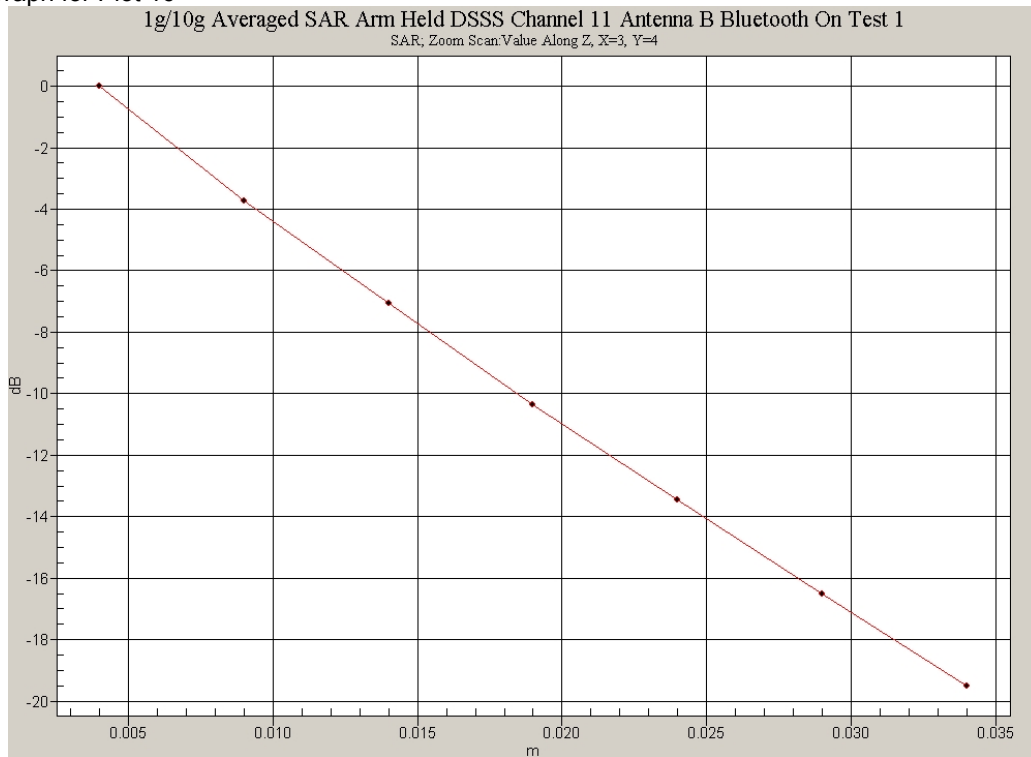
0 dB = 1.22mW/g

SAR MEASUREMENT PLOT 17

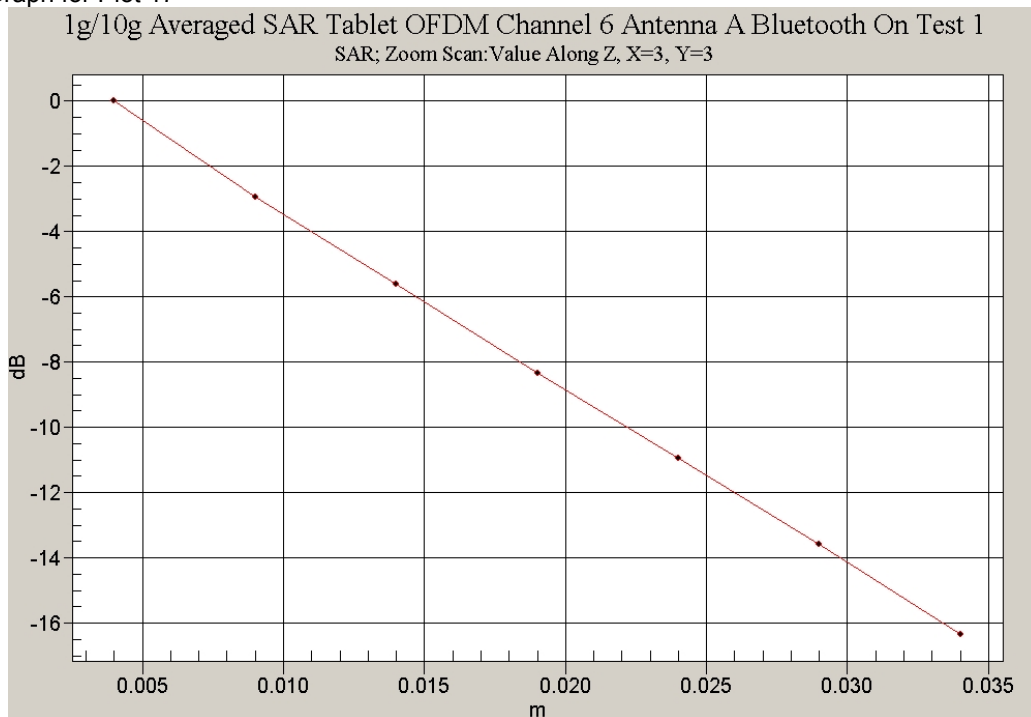
Ambient Temperature
Liquid Temperature
Humidity

20.2 Degrees Celsius
19.9 Degrees Celsius
37.0 %

Z-Axis Graph for Plot 16



Z-Axis Graph for Plot 17



Test Date: 10 August 2006

File Name: [Edge On DSSS 2.45 GHz Antenna A Bluetooth On 10-08-06.da4](#)

DUT: Fujitsu Tablet Osian with Atheros XB62 11abg Module; Type: XB62; Serial: MAC:0011F5-D82570

* Communication System: DSSS 2450 MHz; Frequency: 2412 MHz; Duty Cycle: 1:1

* Medium parameters used: $\sigma = 1.86965$ mho/m, $\epsilon_r = 51.3974$; $\rho = 1000$ kg/m³

- Electronics: DAE3 Sn442; Probe: ET3DV6 - SN1377; ConvF(4.2, 4.2, 4.2)

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

Channel 01 Test/Area Scan (101x81x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 1.36 mW/g

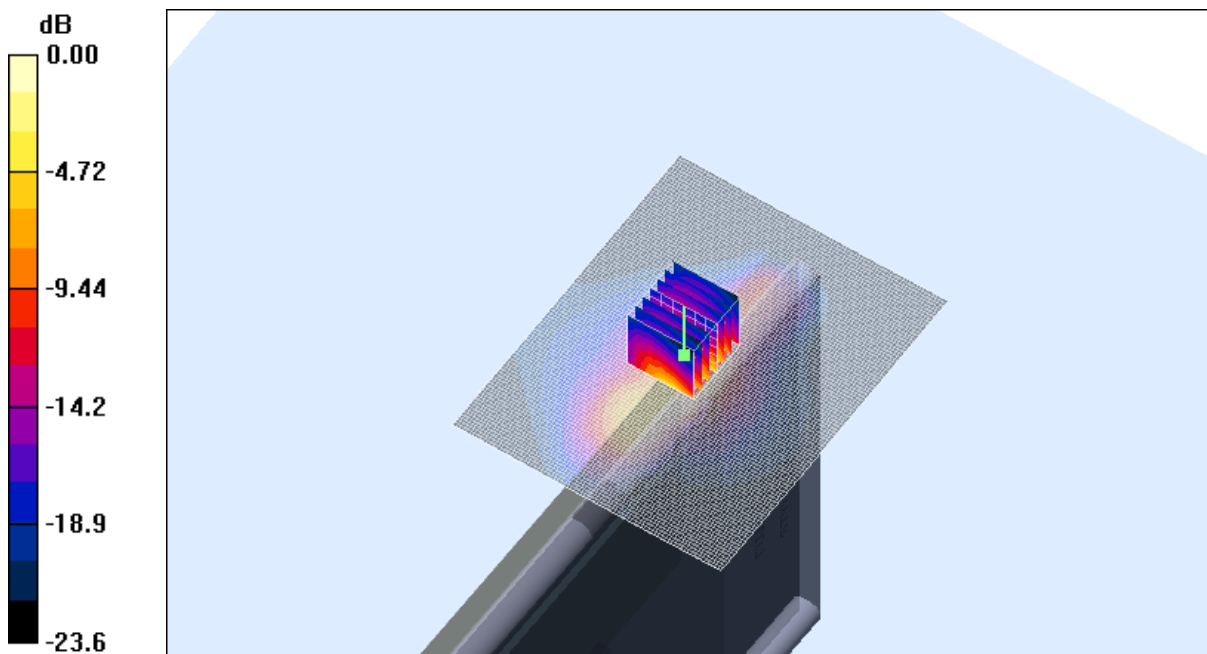
Channel 01 Test/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 21.6 V/m; Power Drift = 0.150 dB

Peak SAR (extrapolated) = 4.05 W/kg

SAR(1 g) = 1.56 mW/g; SAR(10 g) = 0.610 mW/g

Maximum value of SAR (measured) = 1.88 mW/g



0 dB = 1.88mW/g

SAR MEASUREMENT PLOT 18

Ambient Temperature
Liquid Temperature
Humidity

20.2 Degrees Celsius
19.9 Degrees Celsius
37.0 %

Test Date: 10 August 2006

File Name: [Edge On DSSS 2.45 GHz Antenna B Bluetooth On 10-08-06.da4](#)

DUT: Fujitsu Tablet Osian with Atheros XB62 11abg Module; Type: XB62; Serial: MAC:0011F5-D82570

* Communication System: DSSS 2450 MHz; Frequency: 2437 MHz; Duty Cycle: 1:1

* Medium parameters used: $\sigma = 1.92062$ mho/m, $\epsilon_r = 51.279$; $\rho = 1000$ kg/m³

- Electronics: DAE3 Sn442; Probe: ET3DV6 - SN1377; ConvF(4.2, 4.2, 4.2)

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

Channel 06 Test/Area Scan (61x81x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.252 mW/g

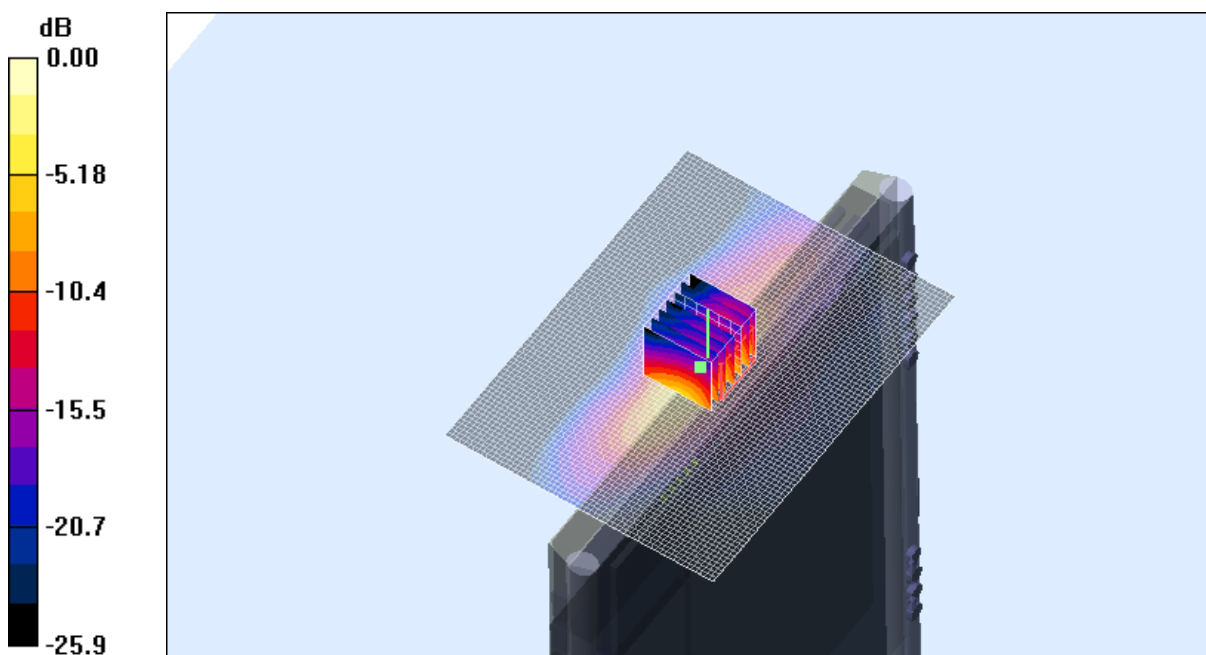
Channel 06 Test/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 12.3 V/m; Power Drift = 0.426 dB

Peak SAR (extrapolated) = 0.689 W/kg

SAR(1 g) = 0.258 mW/g; SAR(10 g) = 0.092 mW/g

Maximum value of SAR (measured) = 0.316 mW/g



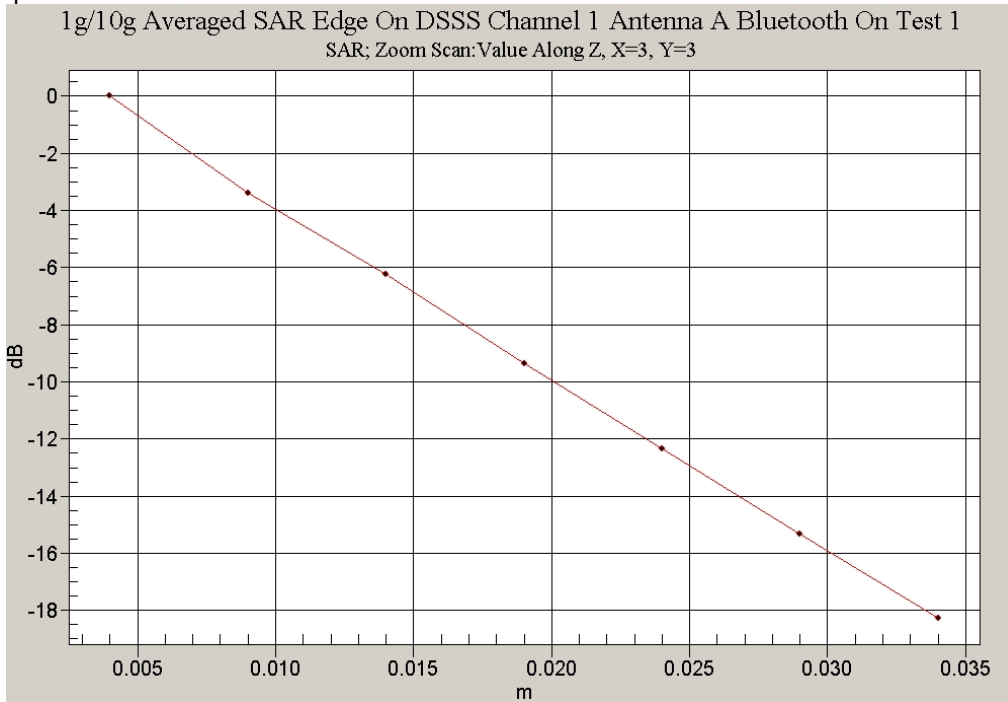
0 dB = 0.316mW/g

SAR MEASUREMENT PLOT 19

Ambient Temperature
Liquid Temperature
Humidity

20.2 Degrees Celsius
19.9 Degrees Celsius
37.0 %

Z-Axis Graph for Plot 18



Z-Axis Graph for Plot 19

