

## 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.

**Table 22 5200 MHz Band SAR Measurement Plot Numbers**

| Test Position            | Plot No. | Ant | Bit rate Mode (Mbps) | Channel Bandwidth (MHz) | Test Channel |
|--------------------------|----------|-----|----------------------|-------------------------|--------------|
| Lap Held                 | 1        | A   | 6                    | -                       | 36           |
|                          | 2        |     | 6                    | -                       | 52           |
|                          | 3        |     | 6                    | -                       | 64           |
|                          | 4        |     | HT0                  | 40                      | 46           |
|                          | 5        | B   | 6                    | -                       | 36           |
|                          | 6        |     | 6                    | -                       | 52           |
|                          | 7        |     | 6                    | -                       | 64           |
|                          | 8        |     | HT0                  | 40                      | 46           |
| Edge On Primary Portrait | -        | A   | HT0                  | 40                      | 46           |
|                          | -        | B   | HT0                  | 40                      | 46           |

**Table 23 5600 MHz Band SAR Measurement Plot Numbers**

| Test Position            | Plot No. | Ant | Bit rate Mode (Mbps) | Channel Bandwidth (MHz) | Test Channel |
|--------------------------|----------|-----|----------------------|-------------------------|--------------|
| Lap Held                 | 9        | A   | HT0                  | 40                      | 102          |
|                          | 10       |     | HT0                  | 40                      | 118          |
|                          | 11       |     | HT0                  | 40                      | 134          |
|                          | 12       | B   | HT0                  | 40                      | 102          |
|                          | 13       |     | HT0                  | 40                      | 118          |
|                          | 14       |     | HT0                  | 40                      | 134          |
| Edge On Primary Portrait | -        | A   | HT0                  | 40                      | 118          |
|                          | -        | B   | HT0                  | 40                      | 118          |

**Table 24 5800 MHz Band SAR Measurement Plot Numbers**

| Test Position            | Plot No. | Ant | Bit rate Mode (Mbps) | Channel Bandwidth (MHz) | Test Channel |
|--------------------------|----------|-----|----------------------|-------------------------|--------------|
| Lap Held                 | 15       | A   | HT0                  | 40                      | 151          |
|                          | 16       |     | 6                    | -                       | 157          |
|                          | 17       |     | 6                    | -                       | 165          |
|                          | 18       | B   | HT0                  | 40                      | 151          |
|                          | 19       |     | 6                    | -                       | 157          |
|                          | 20       |     | 6                    | -                       | 165          |
| Edge On Primary Portrait | 21       | A   | 6                    | -                       | 157          |
|                          | -        | B   | 6                    | -                       | 157          |



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**Table 25 System verification Plots**

|         |   |
|---------|---|
| Plot 22 | System verification 5800 MHz 15 <sup>th</sup> August 2012 |
| Plot 23 | System verification 5500 MHz 16 <sup>th</sup> August 2012 |
| Plot 24 | System verification 5200 MHz 17 <sup>th</sup> August 2012 |



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**Test Date: 17 August 2012**

File Name: M120812\_Lap Held OFDM 5200 MHz Antenna A (1) 17-08-12.da52:0

DUT: Fujitsu Tablet Quattro with HB116 11abgn and Bluetooth; Type: AR5BHB116; Serial: MAC: B4749F72213F

\* Communication System: OFDM 5 GHz 6 Mbs; Frequency: 5180 MHz; Duty Cycle: 1:17.0451

\* Medium parameters used:  $f = 5183.2$  MHz;  $\sigma = 5.319$  mho/m;  $\epsilon_r = 48.269$ ;  $\rho = 1000$  kg/m<sup>3</sup>

- Electronics: DAE3 Sn442; Probe: EX3DV4 - SN3563; ConvF(3.79, 3.79, 3.79); Calibrated: 21/06/2012

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

**Configuration/Channel 36 Test/Area Scan (91x121x1):** Measurement grid: dx=10mm, dy=10mm

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

**Configuration/Channel 36 Test/Zoom Scan (9x9x12)/Cube 0:** Measurement grid:

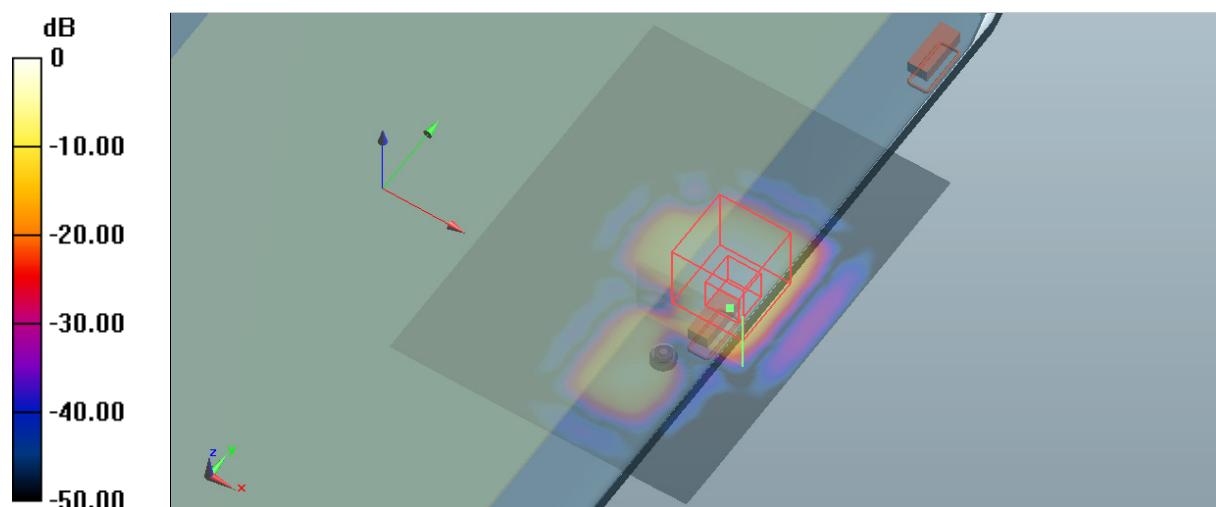
dx=4mm, dy=4mm, dz=2mm

Reference Value = 7.638 V/m; Power Drift = -0.14 dB

Peak SAR (extrapolated) = 1.229 mW/g

**SAR(1 g) = 0.335 mW/g; SAR(10 g) = 0.100 mW/g**

Maximum value of SAR (measured) = 0.684 mW/g



**SAR MEASUREMENT PLOT 1**

Ambient Temperature

**20.5 Degrees Celsius**

Liquid Temperature

**20.2 Degrees Celsius**

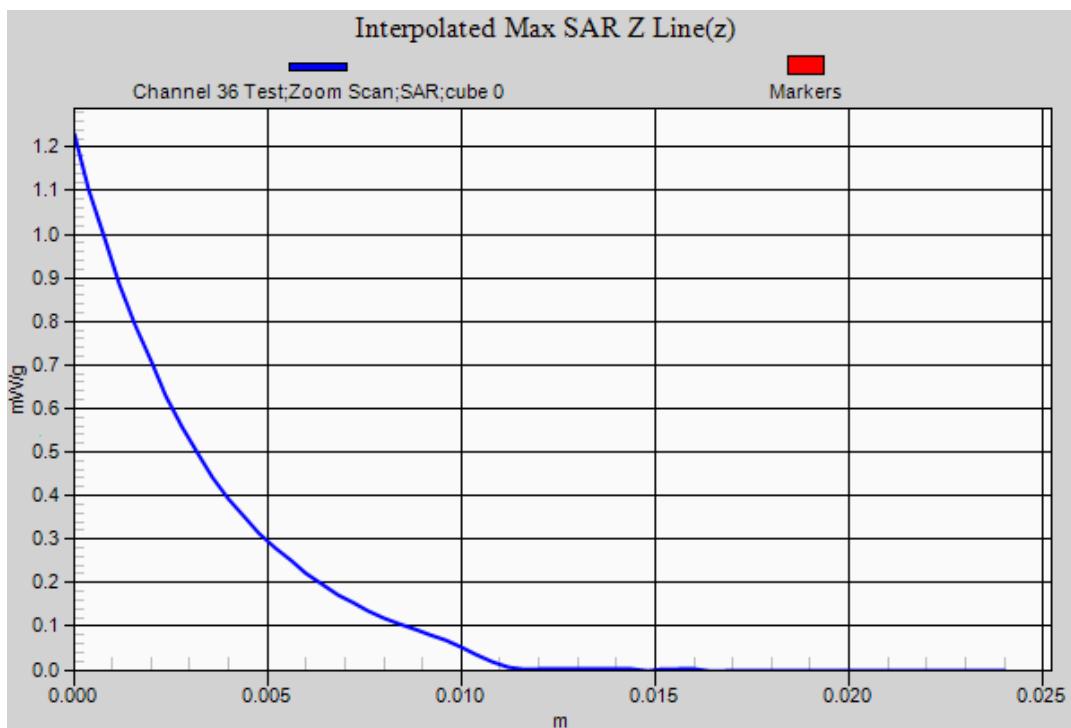
Humidity

**41.0%**



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**Test Date: 17 August 2012**

File Name: M120812\_Lap Held OFDM 5200 MHz Antenna A (1) 17-08-12.da52:0

**DUT: Fujitsu Tablet Quattro with HB116 11abgn and Bluetooth; Type: AR5BHB116; Serial: MAC: B4749F72213F**

\* Communication System: OFDM 5 GHz 6 Mbs; Frequency: 5260 MHz; Duty Cycle: 1:17.0451

\* Medium parameters used:  $f = 5262.4$  MHz;  $\sigma = 5.487$  mho/m;  $\epsilon_r = 48.074$ ;  $\rho = 1000$  kg/m<sup>3</sup>

- Electronics: DAE3 Sn442; Probe: EX3DV4 - SN3563; ConvF(3.79, 3.79, 3.79); Calibrated: 21/06/2012

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

**Configuration/Channel 52 Test/Area Scan (91x121x1):** Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.568 mW/g

**Configuration/Channel 52 Test/Zoom Scan (7x7x12)/Cube 0:** Measurement grid:

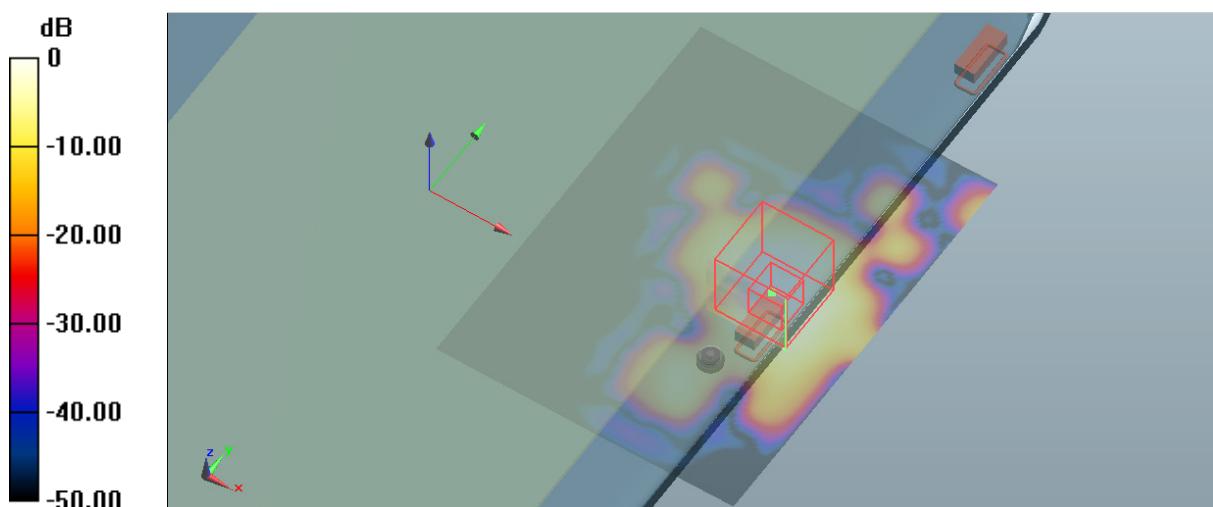
dx=4mm, dy=4mm, dz=2mm

Reference Value = 8.796 V/m; Power Drift = -0.21 dB

Peak SAR (extrapolated) = 2.067 mW/g

**SAR(1 g) = 0.497 mW/g; SAR(10 g) = 0.149 mW/g**

Maximum value of SAR (measured) = 0.985 mW/g



0 dB = 0.568 mW/g = -4.91 dB mW/g

**SAR MEASUREMENT PLOT 2**

Ambient Temperature

**20.5 Degrees Celsius**

Liquid Temperature

**20.2 Degrees Celsius**

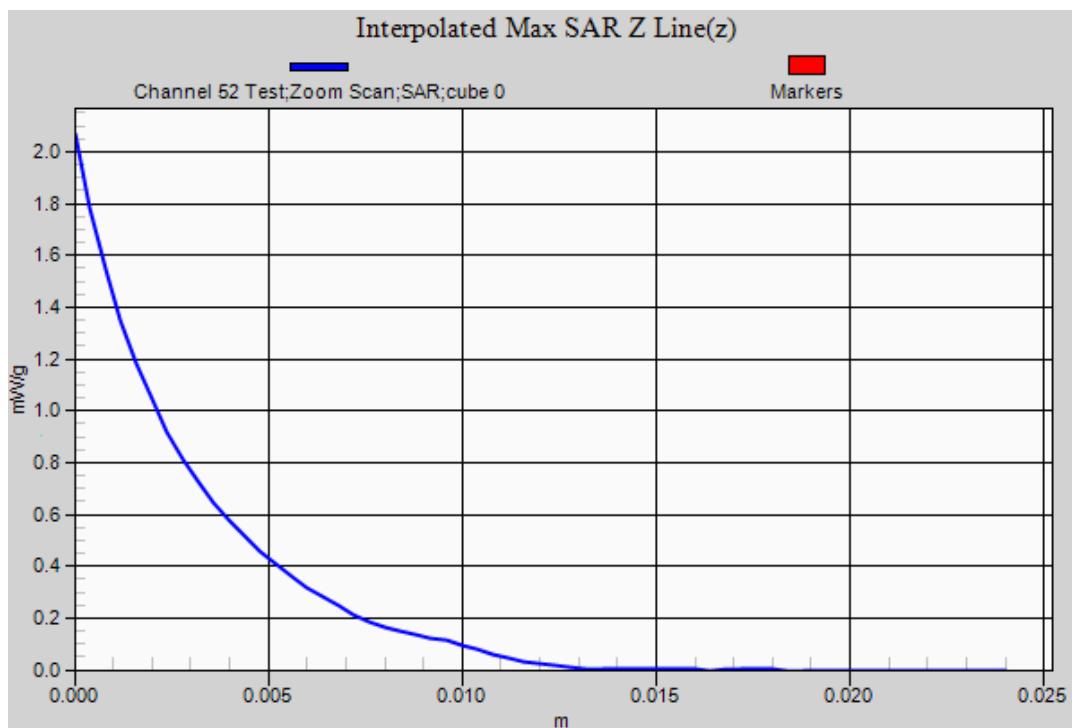
Humidity

**41.0%**



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**Test Date: 17 August 2012**

File Name: M120812\_Lap Held OFDM 5200 MHz Antenna A (1) 17-08-12.da52:0

**DUT: Fujitsu Tablet Quattro with HB116 11abgn and Bluetooth; Type: AR5BHB116; Serial: MAC: B4749F72213F**

\* Communication System: OFDM 5 GHz 6 Mbs; Frequency: 5320 MHz; Duty Cycle: 1:17.0451

\* Medium parameters used:  $f = 5321.8$  MHz;  $\sigma = 5.606$  mho/m;  $\epsilon_r = 47.926$ ;  $\rho = 1000$  kg/m<sup>3</sup>

- Electronics: DAE3 Sn442; Probe: EX3DV4 - SN3563; ConvF(3.79, 3.79, 3.79); Calibrated: 21/06/2012

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

**Configuration/Channel 64 Test/Area Scan (91x121x1):** Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.558 mW/g

**Configuration/Channel 64 Test/Zoom Scan (8x8x12)/Cube 0:** Measurement grid:

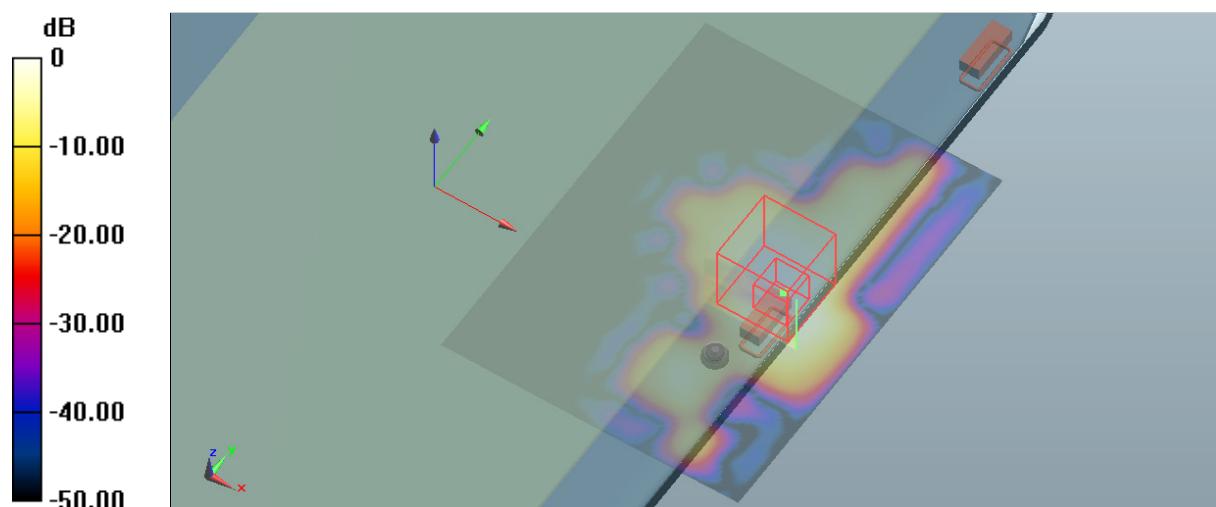
dx=4mm, dy=4mm, dz=2mm

Reference Value = 8.766 V/m; Power Drift = -0.06 dB

Peak SAR (extrapolated) = 2.135 mW/g

**SAR(1 g) = 0.518 mW/g; SAR(10 g) = 0.161 mW/g**

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



**SAR MEASUREMENT PLOT 3**

Ambient Temperature

**20.5 Degrees Celsius**

Liquid Temperature

**20.2 Degrees Celsius**

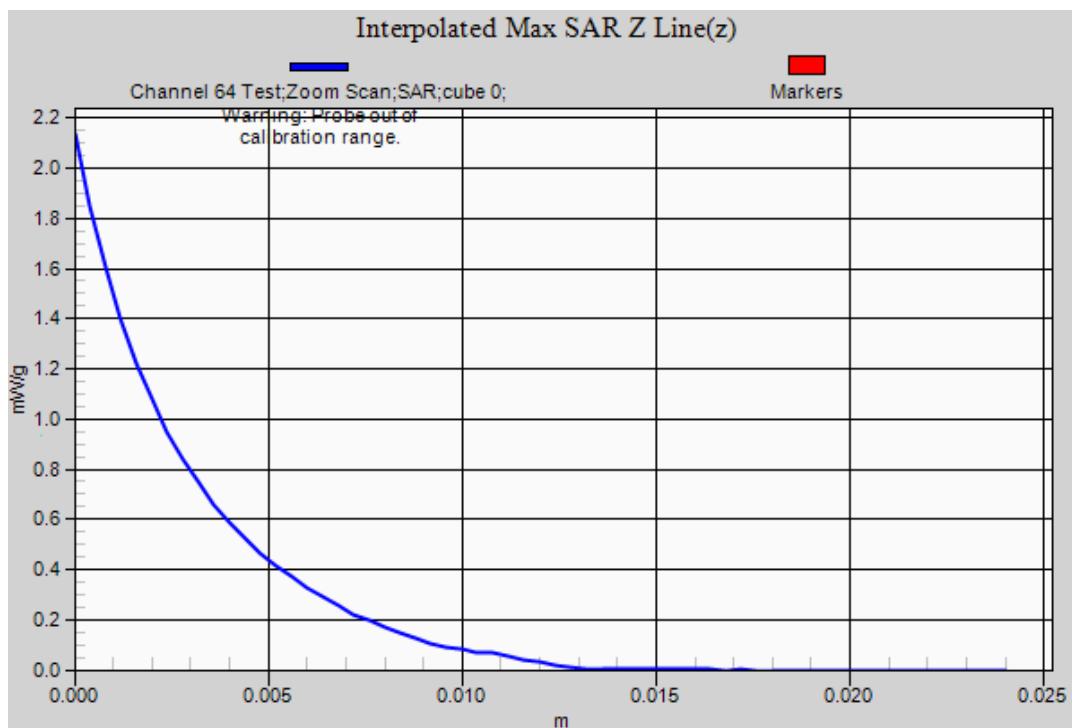
Humidity

**41.0%**



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**Test Date: 17 August 2012**

File Name: M120812\_Lap Held HT0 (40MHz) 5200 MHz Antenna A (1) 17-08-12.da52:0

DUT: Fujitsu Tablet Quattro with HB116 11abgn and Bluetooth; Type: AR5BHB116; Serial: MAC: B4749F72213F

\* Communication System: OFDM 5 GHz HT0 (40 MHz); Frequency: 5230 MHz; Duty Cycle: 1:1

\* Medium parameters used:  $f = 5229.4$  MHz;  $\sigma = 5.413$  mho/m;  $\epsilon_r = 48.2$ ;  $\rho = 1000$  kg/m<sup>3</sup>

- Electronics: DAE3 Sn442; Probe: EX3DV4 - SN3563; ConvF(3.79, 3.79, 3.79); Calibrated: 21/06/2012

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

**Configuration/Channel 46 Test/Area Scan (91x121x1):** Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.644 mW/g

**Configuration/Channel 46 Test/Zoom Scan (7x7x12)/Cube 0:** Measurement grid:

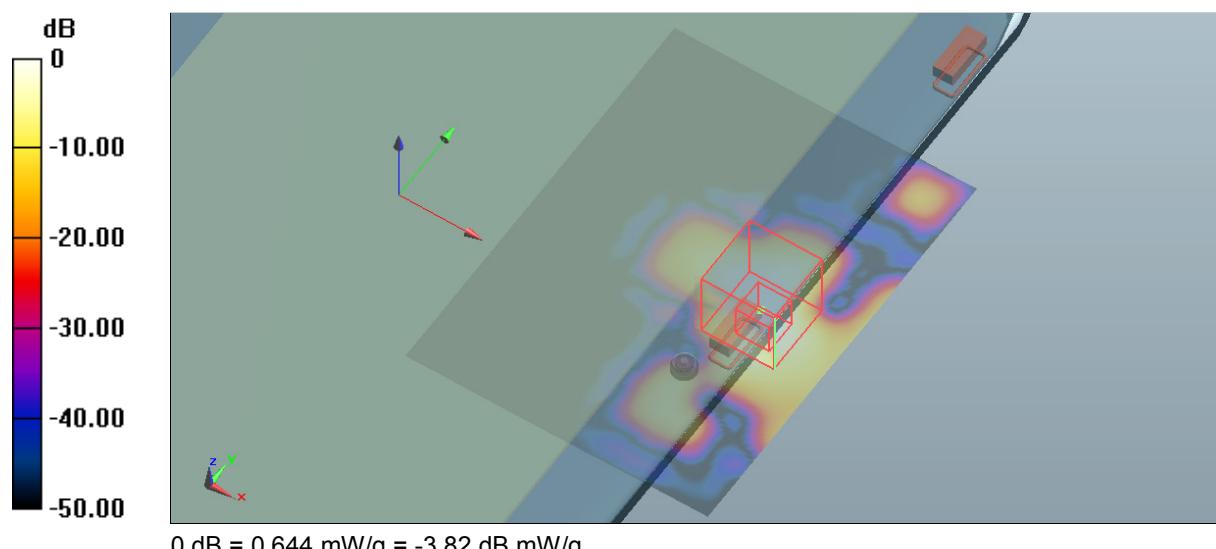
dx=4mm, dy=4mm, dz=2mm

Reference Value = 7.326 V/m; Power Drift = 0.16 dB

Peak SAR (extrapolated) = 2.128 mW/g

**SAR(1 g) = 0.516 mW/g; SAR(10 g) = 0.155 mW/g**

Maximum value of SAR (measured) = 1.04 mW/g



Ambient Temperature

20.5 Degrees Celsius

Liquid Temperature

20.2 Degrees Celsius

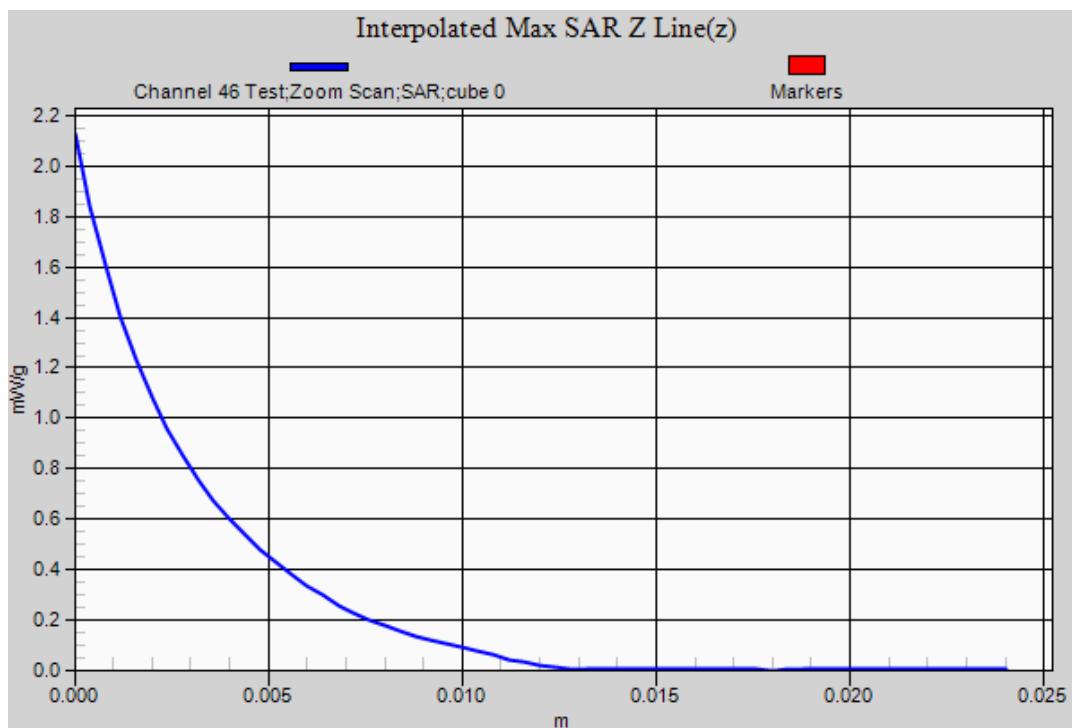
Humidity

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**Test Date: 17 August 2012**

File Name: M120812\_Lap Held OFDM 5200 MHz Antenna B (2) 17-08-12.da52:0

**DUT: Fujitsu Tablet Quattro with HB116 11abgn and Bluetooth; Type: AR5BHB116; Serial: MAC: B4749F72213F**

\* Communication System: OFDM 5 GHz 6 Mbs; Frequency: 5180 MHz; Duty Cycle: 1:17.0451

\* Medium parameters used:  $f = 5183.2$  MHz;  $\sigma = 5.319$  mho/m;  $\epsilon_r = 48.269$ ;  $\rho = 1000$  kg/m<sup>3</sup>

- Electronics: DAE3 Sn442; Probe: EX3DV4 - SN3563; ConvF(3.79, 3.79, 3.79); Calibrated: 21/06/2012

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

**Configuration/Channel 36 Test/Area Scan (91x121x1):** Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.423 mW/g

**Configuration/Channel 36 Test/Zoom Scan (9x9x12)/Cube 0:** Measurement grid:

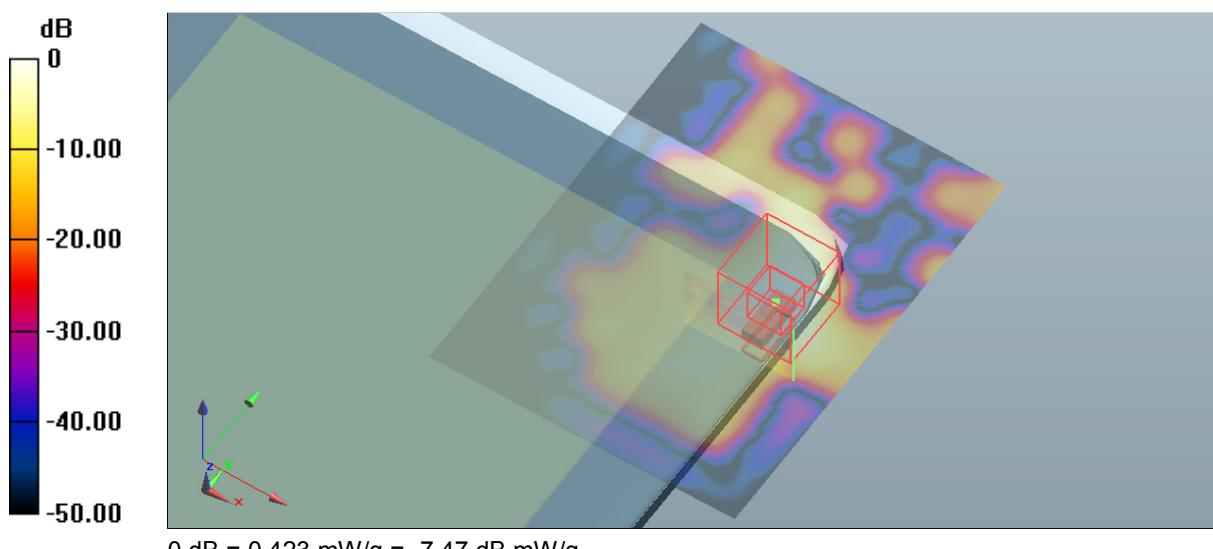
dx=4mm, dy=4mm, dz=2mm

Reference Value = 6.813 V/m; Power Drift = -0.21 dB

Peak SAR (extrapolated) = 1.245 mW/g

**SAR(1 g) = 0.337 mW/g; SAR(10 g) = 0.087 mW/g**

Maximum value of SAR (measured) = 0.750 mW/g



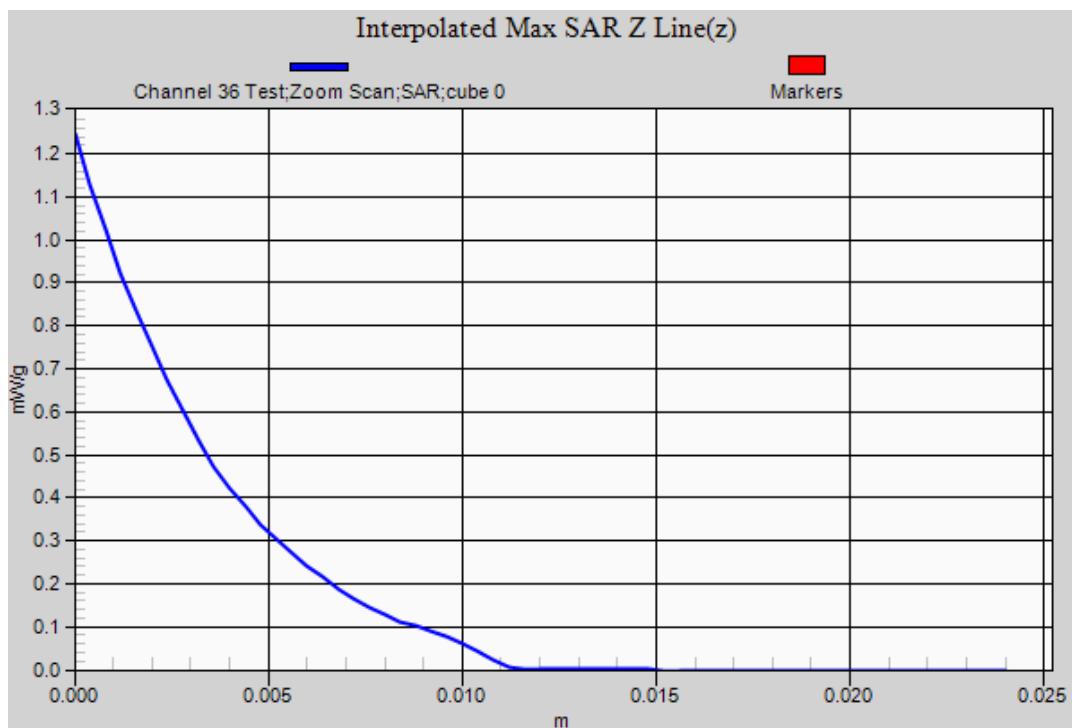
**Ambient Temperature**  
**Liquid Temperature**  
**Humidity**

**20.5 Degrees Celsius**  
**20.2 Degrees Celsius**  
**41.0%**



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**Test Date: 17 August 2012**

File Name: M120812\_Lap Held OFDM 5200 MHz Antenna B (2) 17-08-12.da52:0

**DUT: Fujitsu Tablet Quattro with HB116 11abgn and Bluetooth; Type: AR5BHB116; Serial: MAC: B4749F72213F**

\* Communication System: OFDM 5 GHz 6 Mbs; Frequency: 5260 MHz; Duty Cycle: 1:17.0451

\* Medium parameters used:  $f = 5262.4$  MHz;  $\sigma = 5.487$  mho/m;  $\epsilon_r = 48.074$ ;  $\rho = 1000$  kg/m<sup>3</sup>

- Electronics: DAE3 Sn442; Probe: EX3DV4 - SN3563; ConvF(3.79, 3.79, 3.79); Calibrated: 21/06/2012

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

**Configuration/Channel 52 Test/Area Scan (91x121x1):** Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.498 mW/g

**Configuration/Channel 52 Test/Zoom Scan (7x7x12)/Cube 0:** Measurement grid:

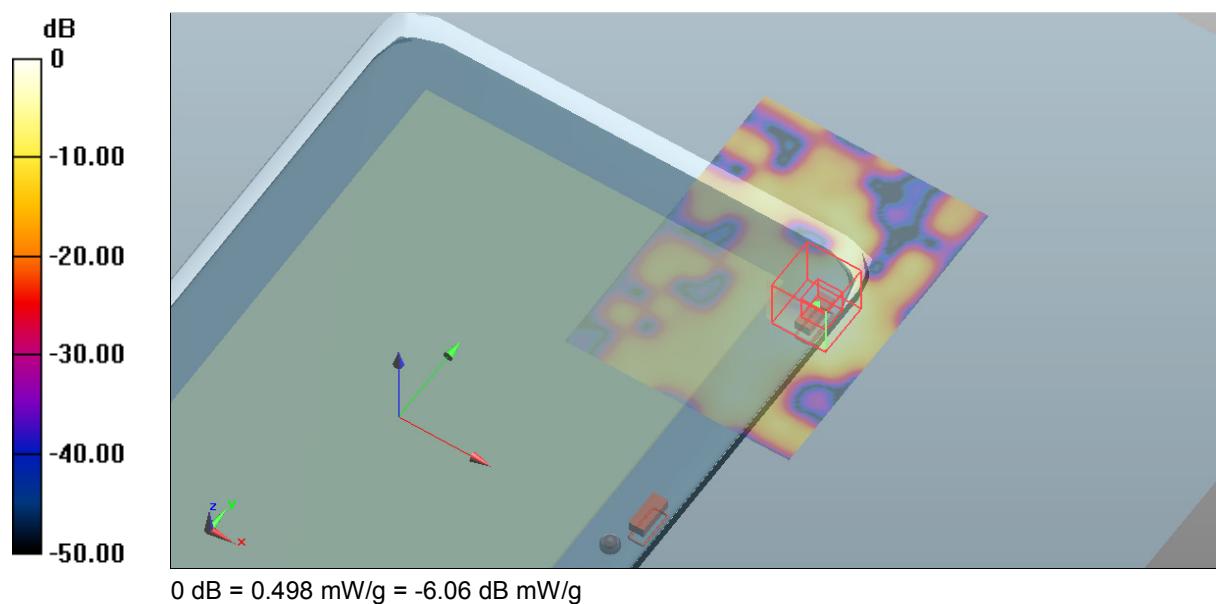
dx=4mm, dy=4mm, dz=2mm

Reference Value = 5.664 V/m; Power Drift = -0.18 dB

Peak SAR (extrapolated) = 1.981 mW/g

**SAR(1 g) = 0.457 mW/g; SAR(10 g) = 0.121 mW/g**

Maximum value of SAR (measured) = 0.979 mW/g



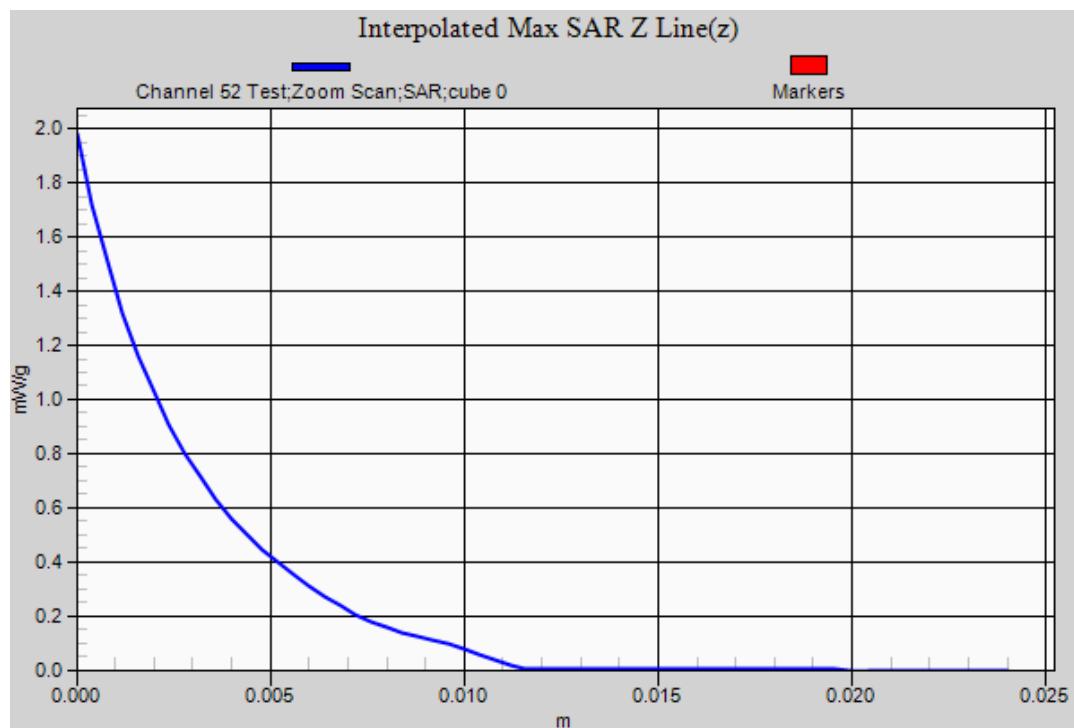
Ambient Temperature  
Liquid Temperature  
Humidity

20.5 Degrees Celsius  
20.2 Degrees Celsius  
41.0%



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**Test Date: 17 August 2012**

File Name: M120812\_Lap Held OFDM 5200 MHz Antenna B (2) 17-08-12.da52:0

**DUT: Fujitsu Tablet Quattro with HB116 11abgn and Bluetooth; Type: AR5BHB116; Serial: MAC: B4749F72213F**

\* Communication System: OFDM 5 GHz 6 Mbs; Frequency: 5320 MHz; Duty Cycle: 1:17.0451

\* Medium parameters used:  $f = 5321.8$  MHz;  $\sigma = 5.606$  mho/m;  $\epsilon_r = 47.926$ ;  $\rho = 1000$  kg/m<sup>3</sup>

- Electronics: DAE3 Sn442; Probe: EX3DV4 - SN3563; ConvF(3.79, 3.79, 3.79); Calibrated: 21/06/2012

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

**Configuration/Channel 64 Test/Area Scan (91x121x1):** Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.460 mW/g

**Configuration/Channel 64 Test/Zoom Scan (9x9x12)/Cube 0:** Measurement grid:

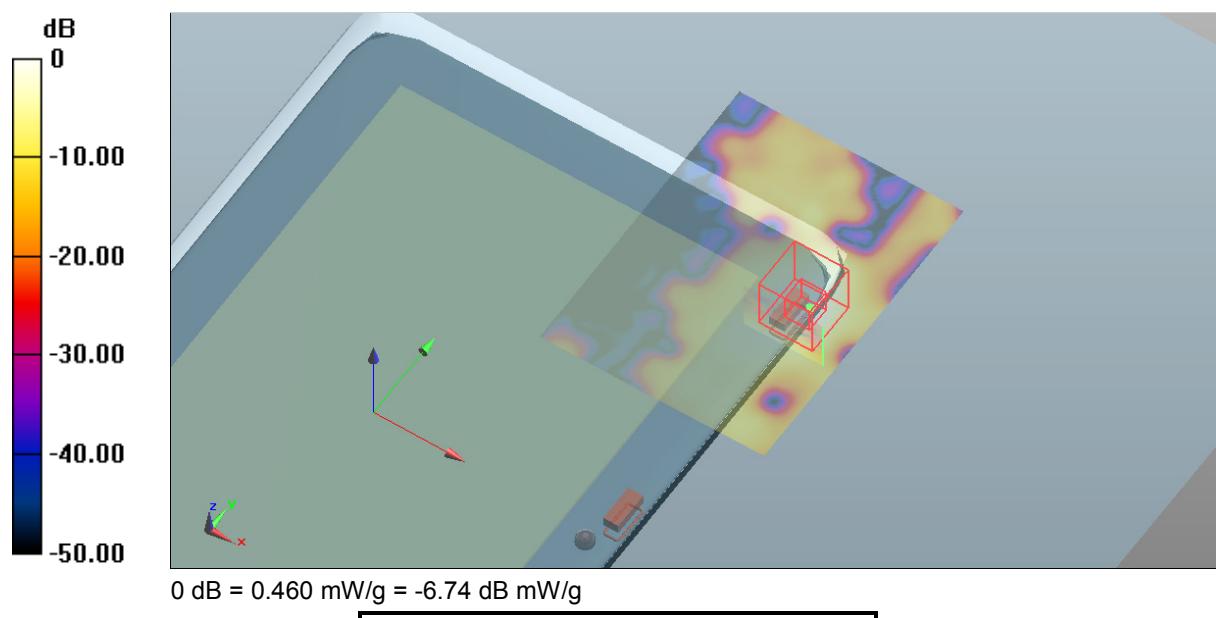
dx=4mm, dy=4mm, dz=2mm

Reference Value = 3.758 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 1.965 mW/g

**SAR(1 g) = 0.439 mW/g; SAR(10 g) = 0.114 mW/g**

Maximum value of SAR (measured) = 0.914 mW/g



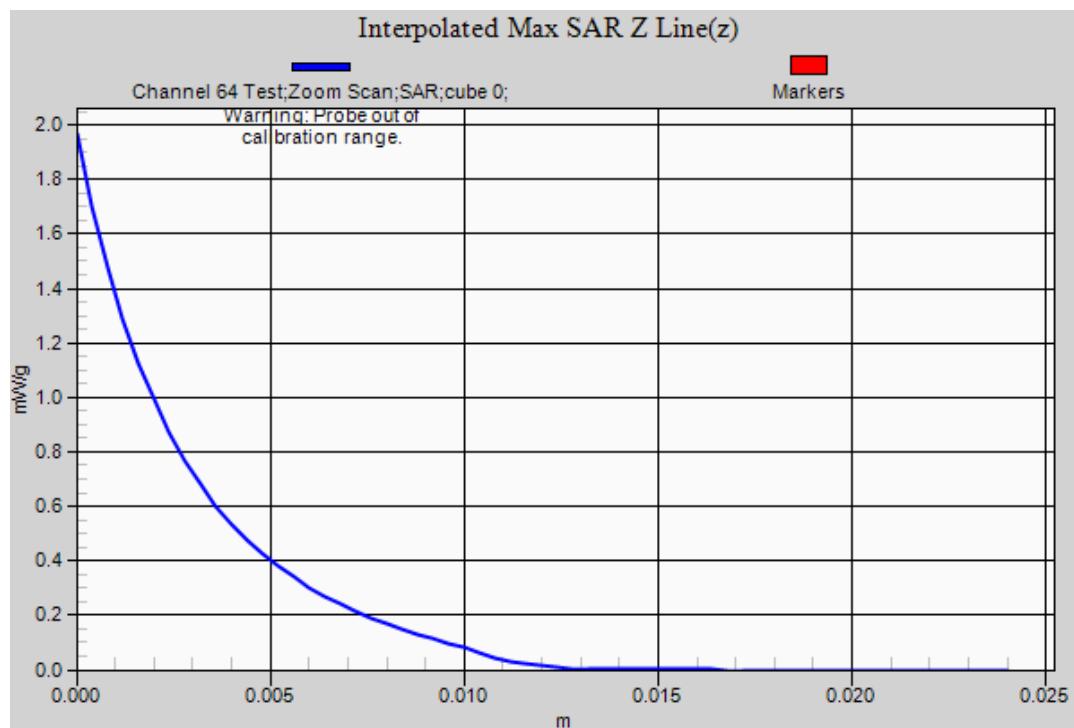
Ambient Temperature  
Liquid Temperature  
Humidity

20.5 Degrees Celsius  
20.2 Degrees Celsius  
41.0%



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**Test Date: 17 August 2012**

File Name: M120812\_Lap Held HT0 (40MHz) 5200 MHz Antenna B (2) 17-08-12.da52:0

**DUT: Fujitsu Tablet Quattro with HB116 11abgn and Bluetooth; Type: AR5BHB116; Serial: MAC: B4749F72213F**

\* Communication System: OFDM 5 GHz HT0 (40 MHz); Frequency: 5230 MHz; Duty Cycle: 1:1

\* Medium parameters used:  $f = 5229.4$  MHz;  $\sigma = 5.413$  mho/m;  $\epsilon_r = 48.2$ ;  $\rho = 1000$  kg/m<sup>3</sup>

- Electronics: DAE3 Sn442; Probe: EX3DV4 - SN3563; ConvF(3.79, 3.79, 3.79); Calibrated: 21/06/2012

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

**Configuration/Channel 46 Test/Area Scan (91x121x1):** Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.632 mW/g

**Configuration/Channel 46 Test/Zoom Scan (7x7x12)/Cube 0:** Measurement grid:

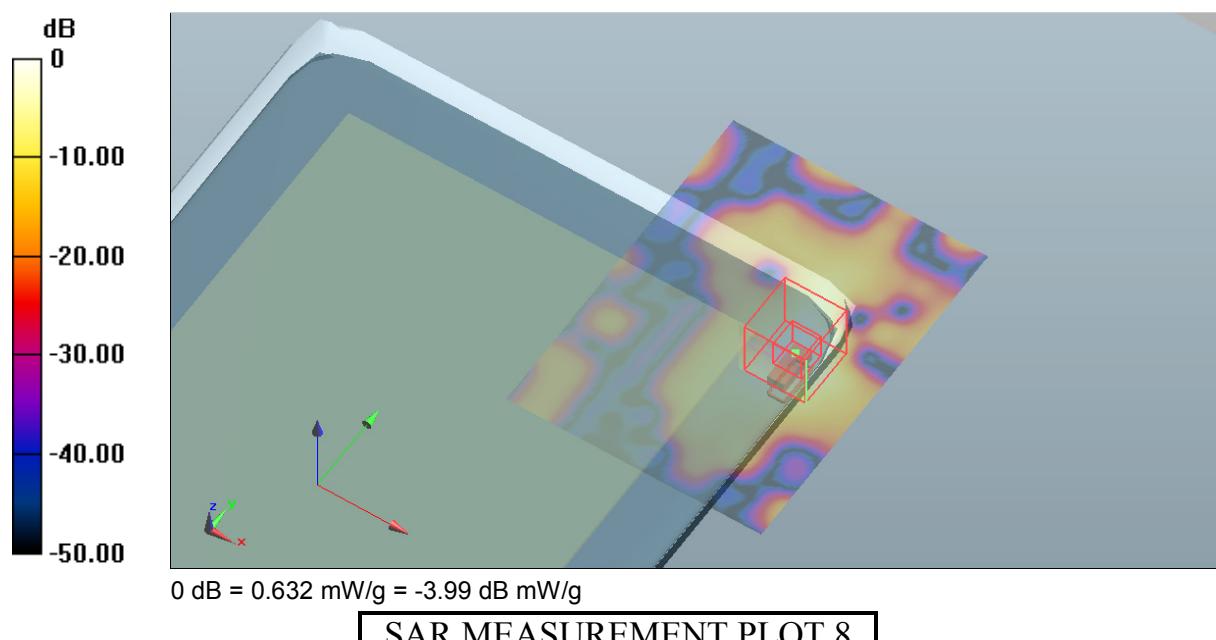
dx=4mm, dy=4mm, dz=2mm

Reference Value = 8.784 V/m; Power Drift = -0.14 dB

Peak SAR (extrapolated) = 2.224 mW/g

**SAR(1 g) = 0.527 mW/g; SAR(10 g) = 0.138 mW/g**

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



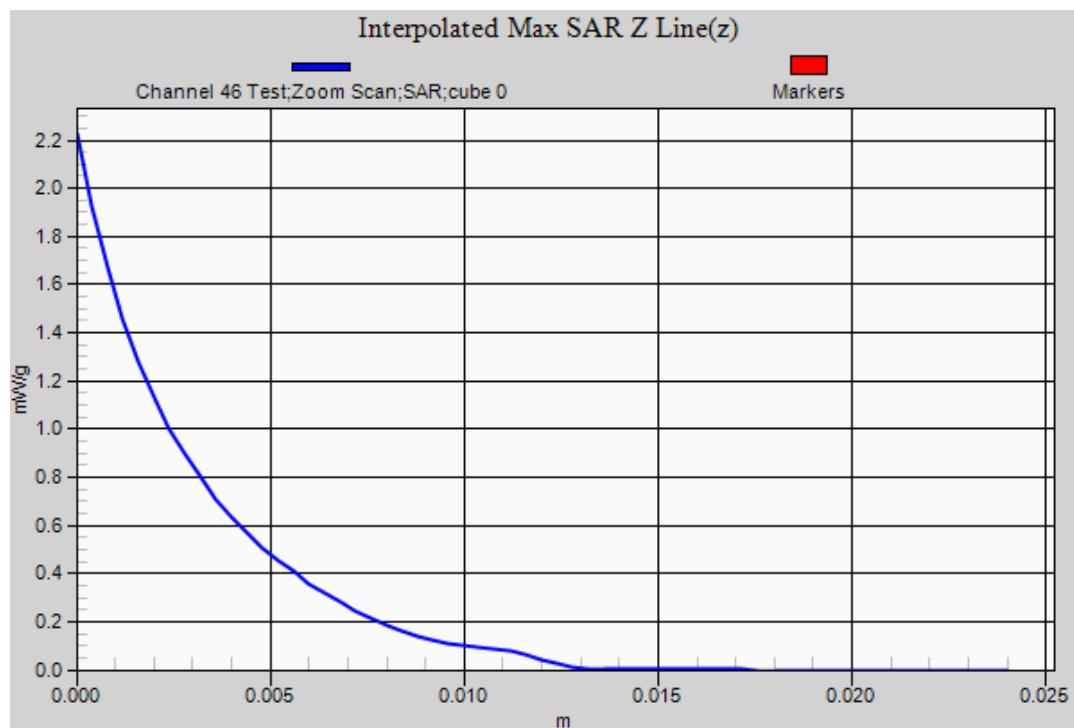
Ambient Temperature  
Liquid Temperature  
Humidity

20.5 Degrees Celsius  
20.2 Degrees Celsius  
41.0%



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**Test Date: 16 August 2012**

File Name: M120812\_Lap Held HT0 (40MHz) 5600 MHz Antenna A (1) 16-08-12.da52:0

DUT: Fujitsu Tablet Quattro with HB116 11abgn and Bluetooth; Type: AR5BHB116; Serial: MAC: B4749F72213F

\* Communication System: OFDM 5 GHz HT0 (40 MHz); Frequency: 5510 MHz; Duty Cycle: 1:1

\* Medium parameters used:  $f = 5513.2$  MHz;  $\sigma = 5.821$  mho/m;  $\epsilon_r = 47.133$ ;  $\rho = 1000$  kg/m<sup>3</sup>

- Electronics: DAE3 Sn442; Probe: EX3DV4 - SN3563; ConvF(3.4, 3.4, 3.4); Calibrated: 21/06/2012

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

**Configuration/Channel 102 Test/Area Scan (91x121x1):** Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.550 mW/g

**Configuration/Channel 102 Test/Zoom Scan (8x8x9)/Cube 0:** Measurement grid:

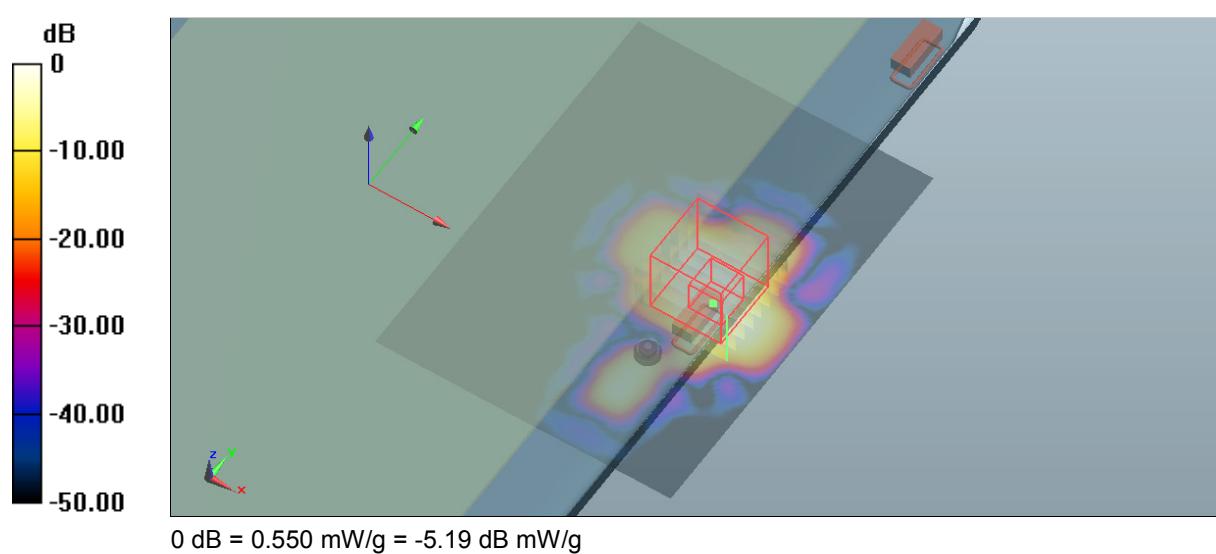
dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 8.982 V/m; Power Drift = 0.16 dB

Peak SAR (extrapolated) = 1.890 mW/g

**SAR(1 g) = 0.497 mW/g; SAR(10 g) = 0.158 mW/g**

Maximum value of SAR (measured) = 1.03 mW/g



Ambient Temperature

20.8 Degrees Celsius

Liquid Temperature

20.6 Degrees Celsius

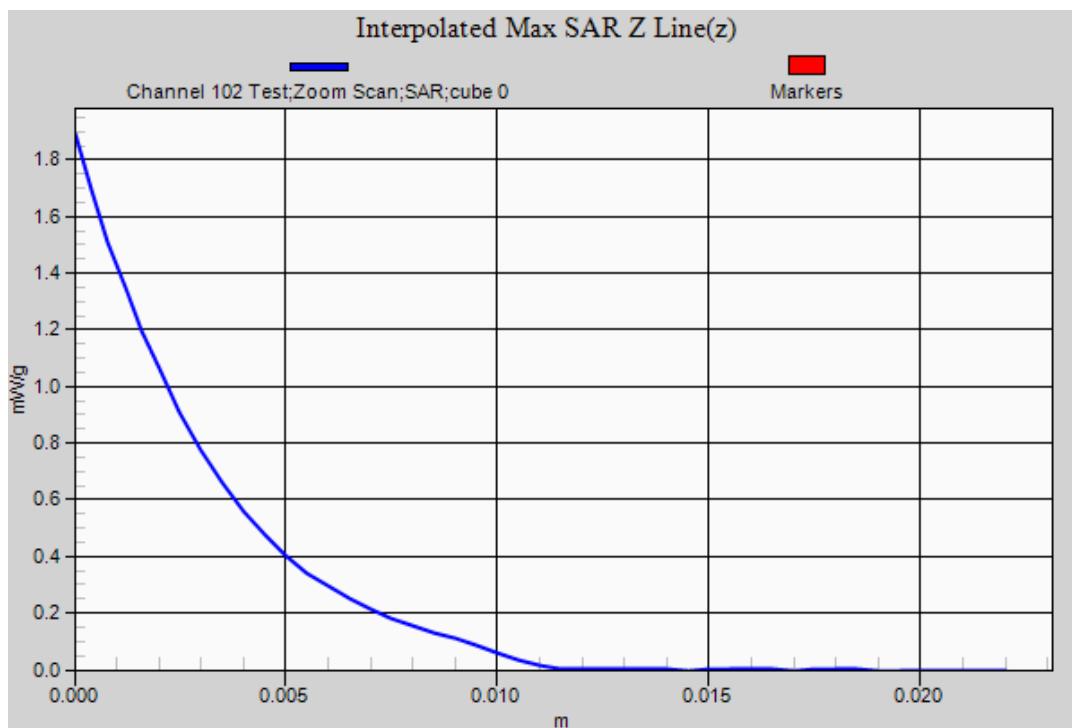
Humidity

39.0%



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**Test Date: 16 August 2012**

File Name: M120812\_Lap Held HT0 (40MHz) 5600 MHz Antenna A (1) 16-08-12.da52:0

DUT: Fujitsu Tablet Quattro with HB116 11abgn and Bluetooth; Type: AR5BHB116; Serial: MAC: B4749F72213F

\* Communication System: OFDM 5 GHz HT0 (40 MHz); Frequency: 5590 MHz; Duty Cycle: 1:1

\* Medium parameters used:  $f = 5592.4$  MHz;  $\sigma = 5.965$  mho/m;  $\epsilon_r = 46.847$ ;  $\rho = 1000$  kg/m<sup>3</sup>

- Electronics: DAE3 Sn442; Probe: EX3DV4 - SN3563; ConvF(3.4, 3.4, 3.4); Calibrated: 21/06/2012

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

**Configuration/Channel 118 Test/Area Scan (91x121x1):** Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.688 mW/g

**Configuration/Channel 118 Test/Zoom Scan (7x7x9)/Cube 0:** Measurement grid:

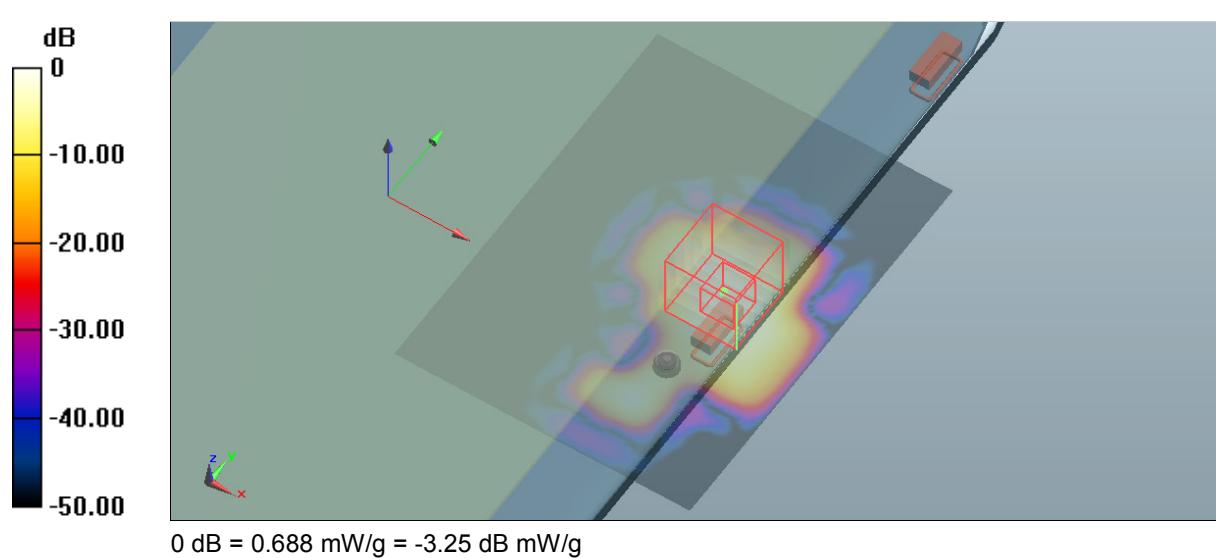
dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 10.363 V/m; Power Drift = -0.12 dB

Peak SAR (extrapolated) = 2.789 mW/g

**SAR(1 g) = 0.655 mW/g; SAR(10 g) = 0.209 mW/g**

Maximum value of SAR (measured) = 1.33 mW/g



Ambient Temperature

**20.8 Degrees Celsius**

Liquid Temperature

**20.6 Degrees Celsius**

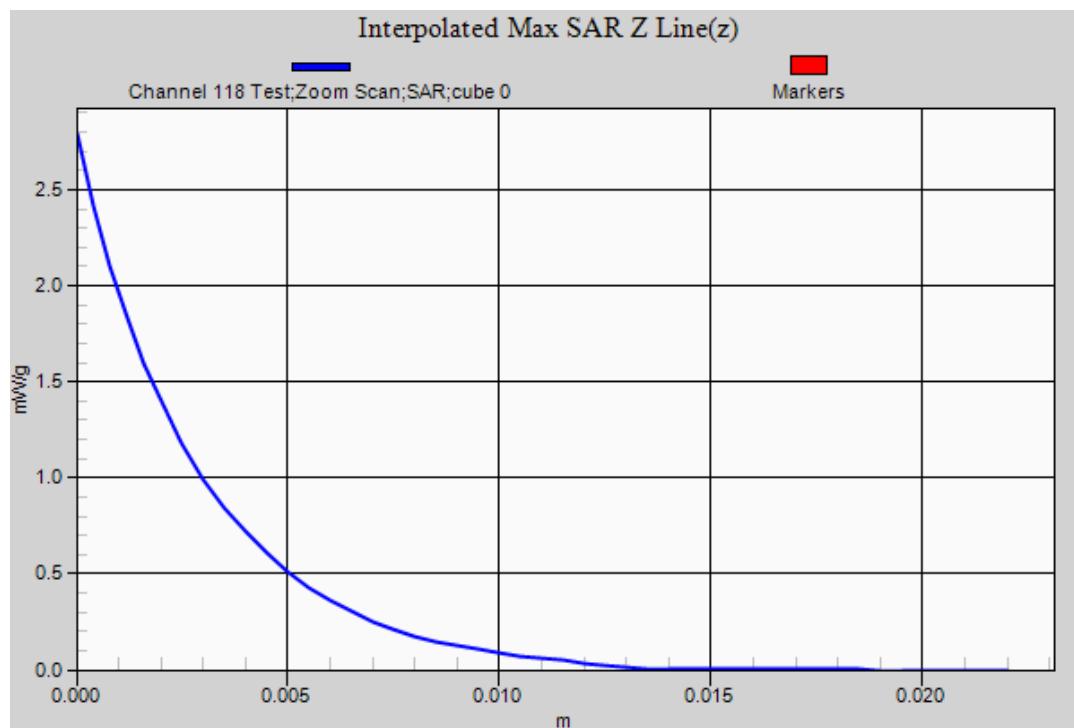
Humidity

**39.0%**



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**Test Date: 16 August 2012**

File Name: M120812\_Lap Held HT0 (40MHz) 5600 MHz Antenna A (1) 16-08-12.da52:0

**DUT: Fujitsu Tablet Quattro with HB116 11abgn and Bluetooth; Type: AR5BHB116; Serial: MAC: B4749F72213F**

\* Communication System: OFDM 5 GHz HT0 (40 MHz); Frequency: 5670 MHz; Duty Cycle: 1:1

\* Medium parameters used:  $f = 5671.6$  MHz;  $\sigma = 6.099$  mho/m;  $\epsilon_r = 46.634$ ;  $\rho = 1000$  kg/m<sup>3</sup>

- Electronics: DAE3 Sn442; Probe: EX3DV4 - SN3563; ConvF(3.4, 3.4, 3.4); Calibrated: 21/06/2012

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

**Configuration/Channel 134 Test/Area Scan (91x121x1):** Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.936 mW/g

**Configuration/Channel 134 Test/Zoom Scan (8x8x9)/Cube 0:** Measurement grid:

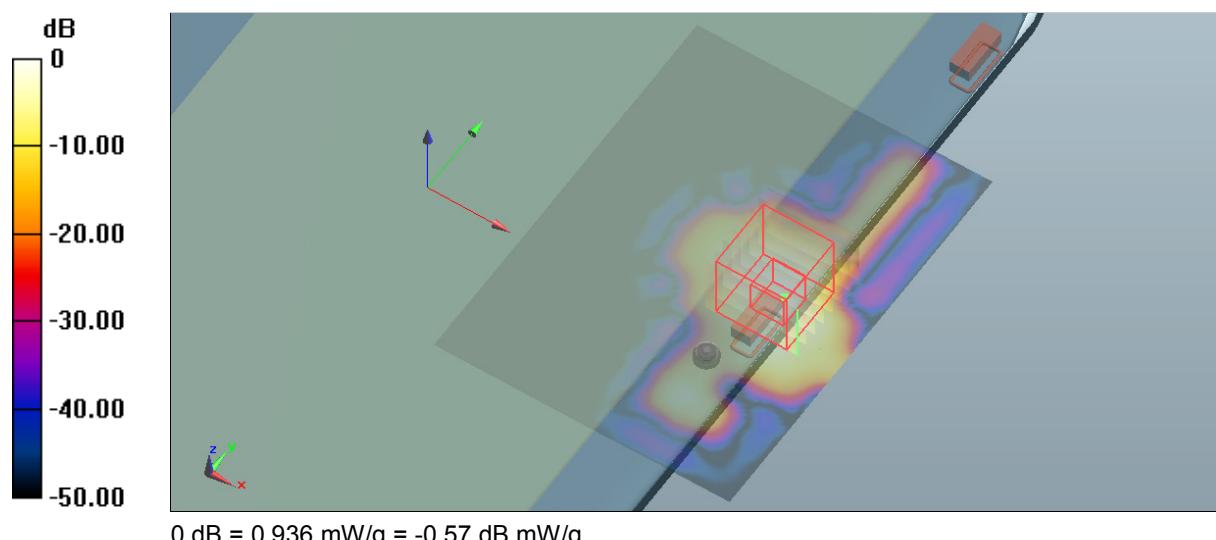
dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 10.372 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 3.651 mW/g

**SAR(1 g) = 0.838 mW/g; SAR(10 g) = 0.265 mW/g**

Maximum value of SAR (measured) = 1.77 mW/g



**SAR MEASUREMENT PLOT 11**

Ambient Temperature

**20.8 Degrees Celsius**

Liquid Temperature

**20.6 Degrees Celsius**

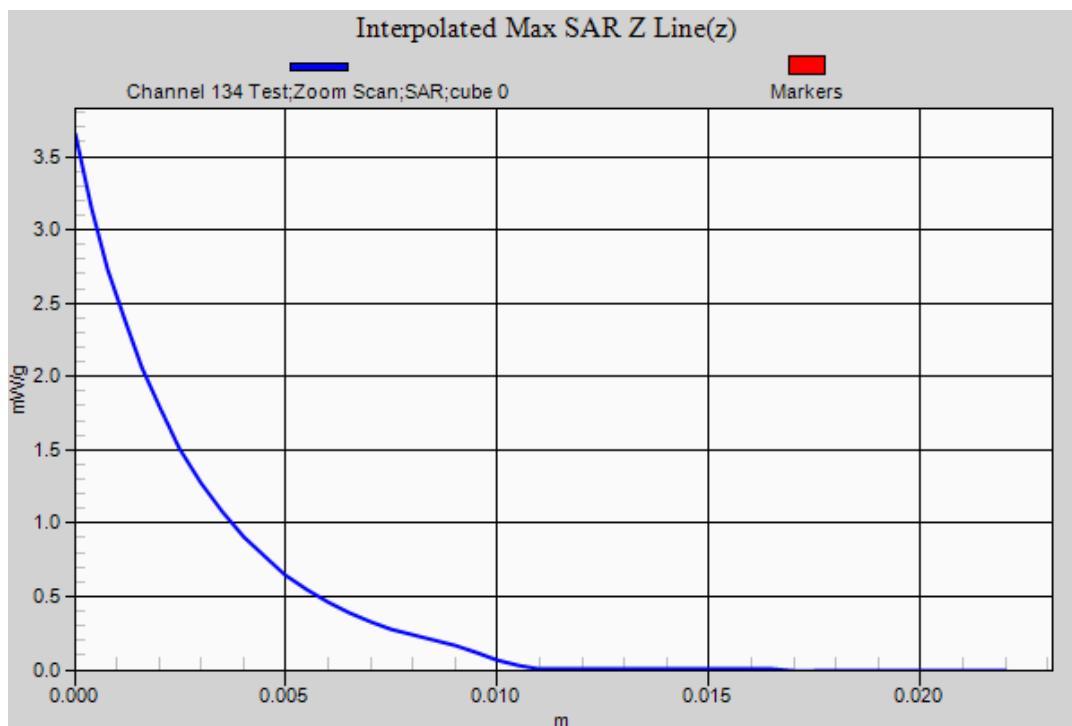
Humidity

**39.0%**



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**Test Date: 16 August 2012**

File Name: M120812\_Lap Held HT0 (40MHz) 5600 MHz Antenna B (2) 16-08-12.da52:0

**DUT: Fujitsu Tablet Quattro with HB116 11abgn and Bluetooth; Type: AR5BHB116; Serial: MAC: B4749F72213F**

\* Communication System: OFDM 5 GHz HT0 (40 MHz); Frequency: 5510 MHz; Duty Cycle: 1:1

\* Medium parameters used:  $f = 5513.2$  MHz;  $\sigma = 5.821$  mho/m;  $\epsilon_r = 47.133$ ;  $\rho = 1000$  kg/m<sup>3</sup>

- Electronics: DAE3 Sn442; Probe: EX3DV4 - SN3563; ConvF(3.4, 3.4, 3.4); Calibrated: 21/06/2012

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

**Configuration/Channel 102 Test/Area Scan (91x121x1):** Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.824 mW/g

**Configuration/Channel 102 Test/Zoom Scan (7x7x9)/Cube 0:** Measurement grid:

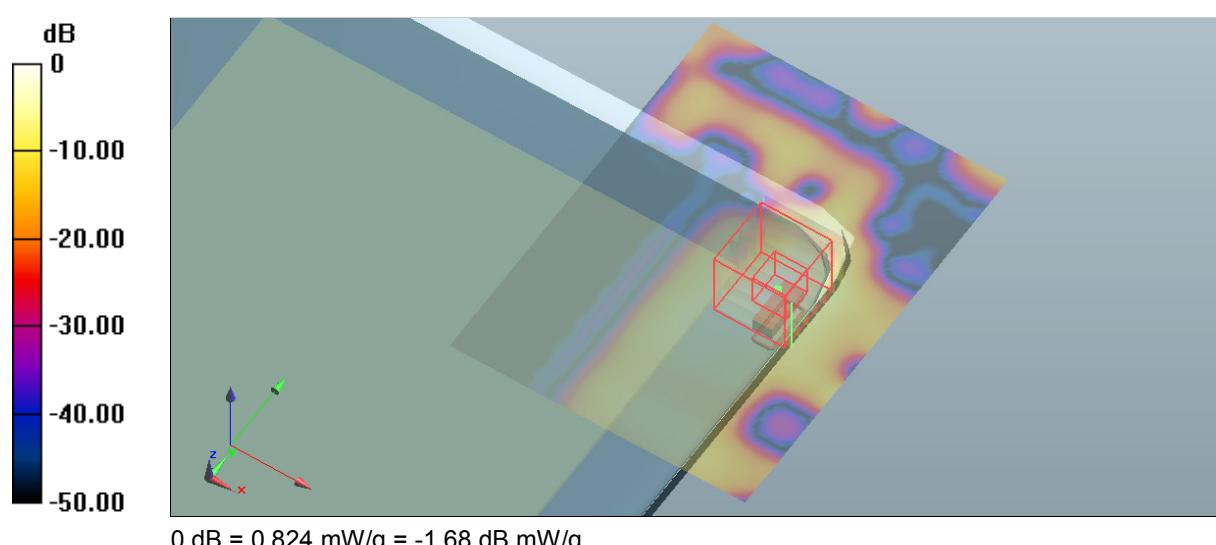
dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 11.204 V/m; Power Drift = -0.07 dB

Peak SAR (extrapolated) = 3.087 mW/g

**SAR(1 g) = 0.698 mW/g; SAR(10 g) = 0.181 mW/g**

Maximum value of SAR (measured) = 1.51 mW/g



Ambient Temperature

**20.8 Degrees Celsius**

Liquid Temperature

**20.6 Degrees Celsius**

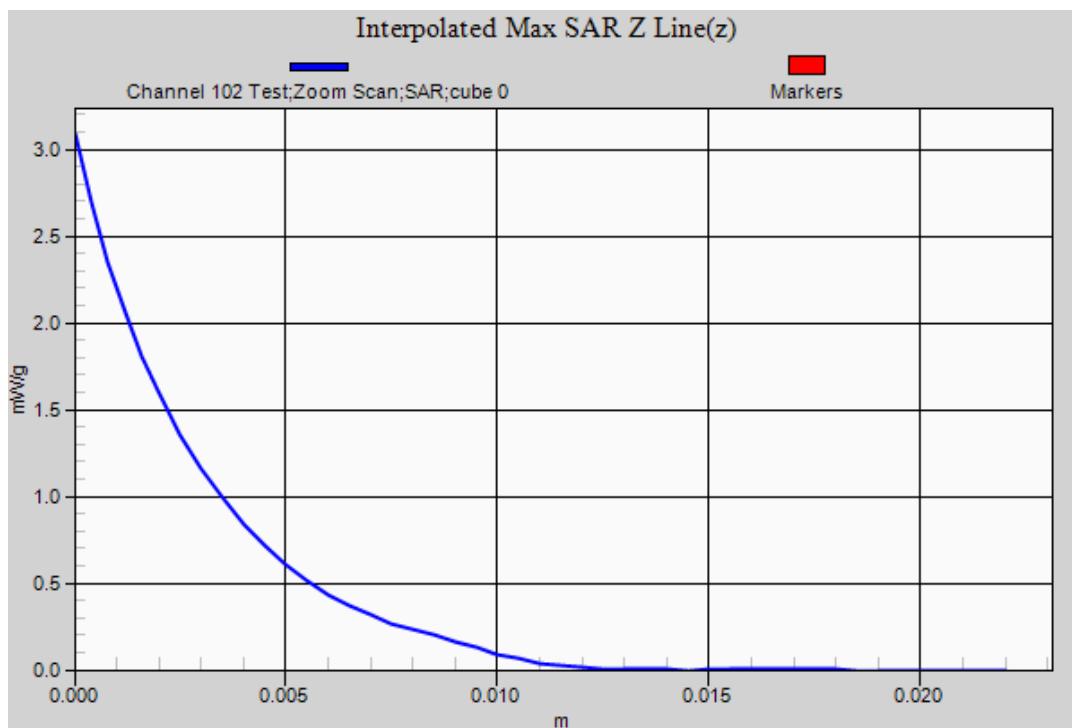
Humidity

**39.0%**



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**Test Date: 16 August 2012**

File Name: M120812\_Lap Held HT0 (40MHz) 5600 MHz Antenna B (2) 16-08-12.da52:0

**DUT: Fujitsu Tablet Quattro with HB116 11abgn and Bluetooth; Type: AR5BHB116; Serial: MAC: B4749F72213F**

\* Communication System: OFDM 5 GHz HT0 (40 MHz); Frequency: 5590 MHz; Duty Cycle: 1:1

\* Medium parameters used:  $f = 5592.4$  MHz;  $\sigma = 5.965$  mho/m;  $\epsilon_r = 46.847$ ;  $\rho = 1000$  kg/m<sup>3</sup>

- Electronics: DAE3 Sn442; Probe: EX3DV4 - SN3563; ConvF(3.4, 3.4, 3.4); Calibrated: 21/06/2012

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

**Configuration/Channel 118 Test/Area Scan (91x121x1):** Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.730 mW/g

**Configuration/Channel 118 Test/Zoom Scan (7x7x9)/Cube 0:** Measurement grid:

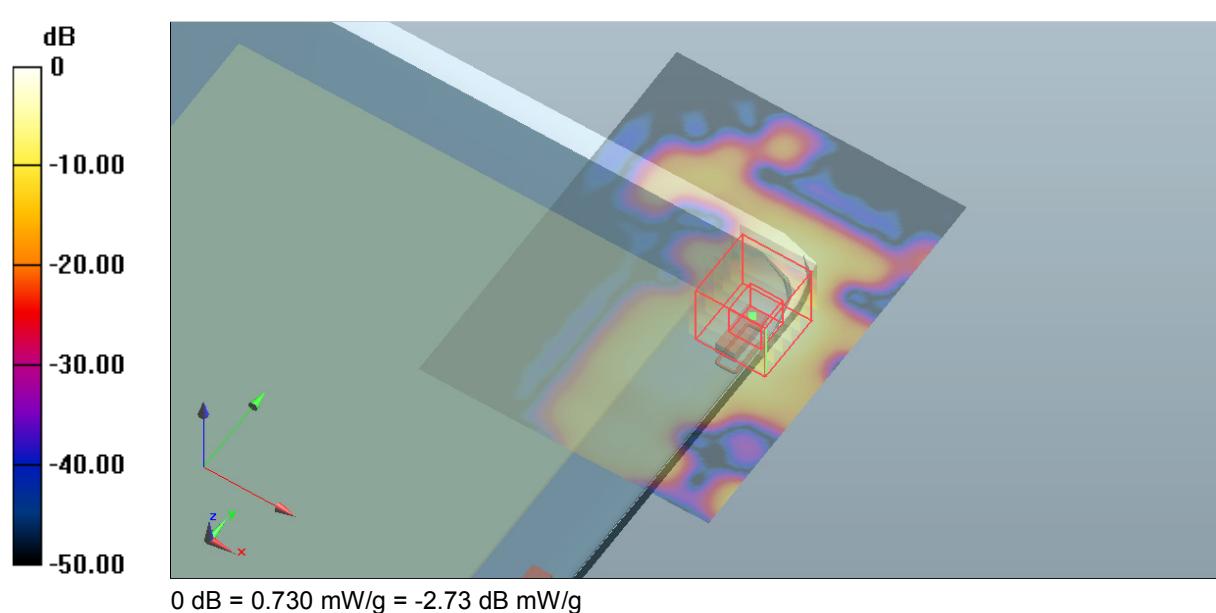
dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 7.328 V/m; Power Drift = -0.14 dB

Peak SAR (extrapolated) = 3.444 mW/g

**SAR(1 g) = 0.748 mW/g; SAR(10 g) = 0.185 mW/g**

Maximum value of SAR (measured) = 1.72 mW/g



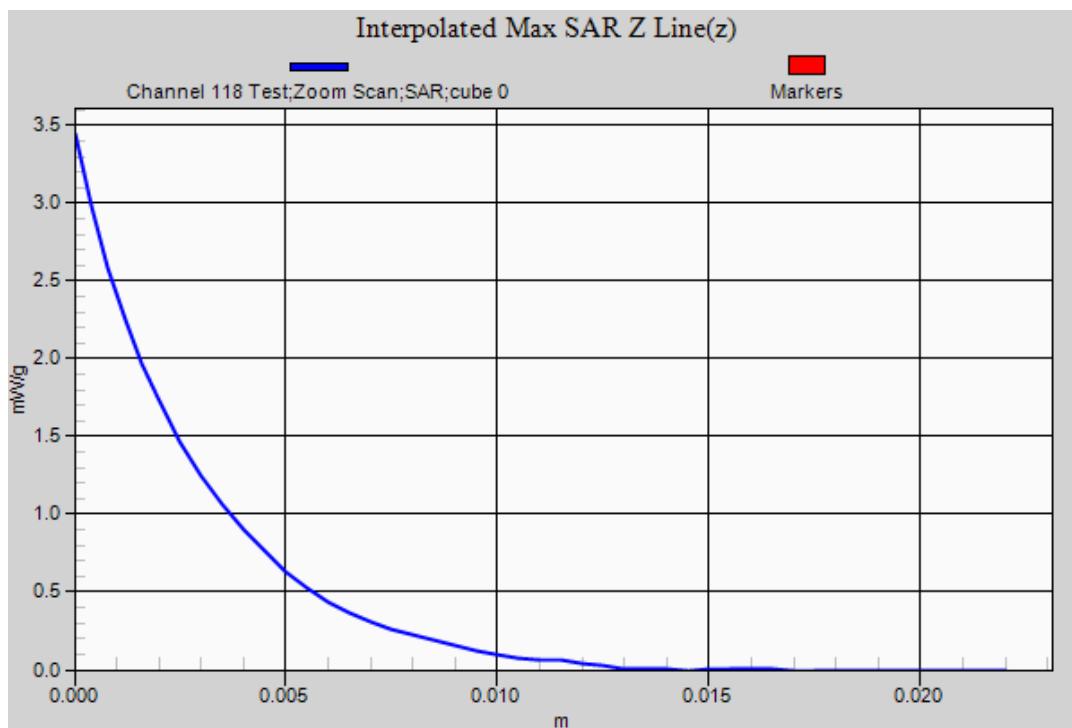
Ambient Temperature  
Liquid Temperature  
Humidity

20.8 Degrees Celsius  
20.6 Degrees Celsius  
39.0%



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**Test Date: 16 August 2012**

File Name: M120812\_Lap Held HT0 (40MHz) 5600 MHz Antenna B (2) 16-08-12.da52:0

**DUT: Fujitsu Tablet Quattro with HB116 11abgn and Bluetooth; Type: AR5BHB116; Serial: MAC: B4749F72213F**

\* Communication System: OFDM 5 GHz HT0 (40 MHz); Frequency: 5670 MHz; Duty Cycle: 1:1

\* Medium parameters used:  $f = 5671.6$  MHz;  $\sigma = 6.099$  mho/m;  $\epsilon_r = 46.634$ ;  $\rho = 1000$  kg/m<sup>3</sup>

- Electronics: DAE3 Sn442; Probe: EX3DV4 - SN3563; ConvF(3.4, 3.4, 3.4); Calibrated: 21/06/2012

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

**Configuration/Channel 134 Test/Area Scan (91x121x1):** Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.550 mW/g

**Configuration/Channel 134 Test/Zoom Scan (9x9x9)/Cube 0:** Measurement grid:

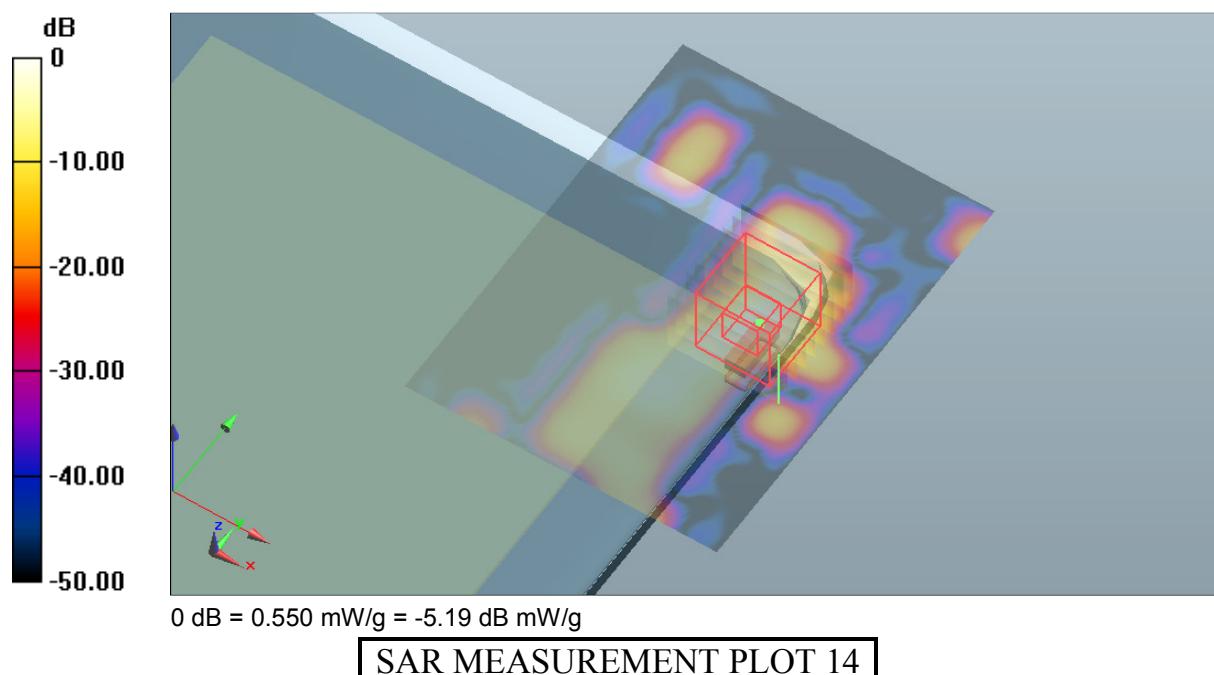
dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 9.161 V/m; Power Drift = -0.17 dB

Peak SAR (extrapolated) = 1.817 mW/g

**SAR(1 g) = 0.431 mW/g; SAR(10 g) = 0.105 mW/g**

Maximum value of SAR (measured) = 0.997 mW/g



**Ambient Temperature**

**20.8 Degrees Celsius**

**Liquid Temperature**

**20.6 Degrees Celsius**

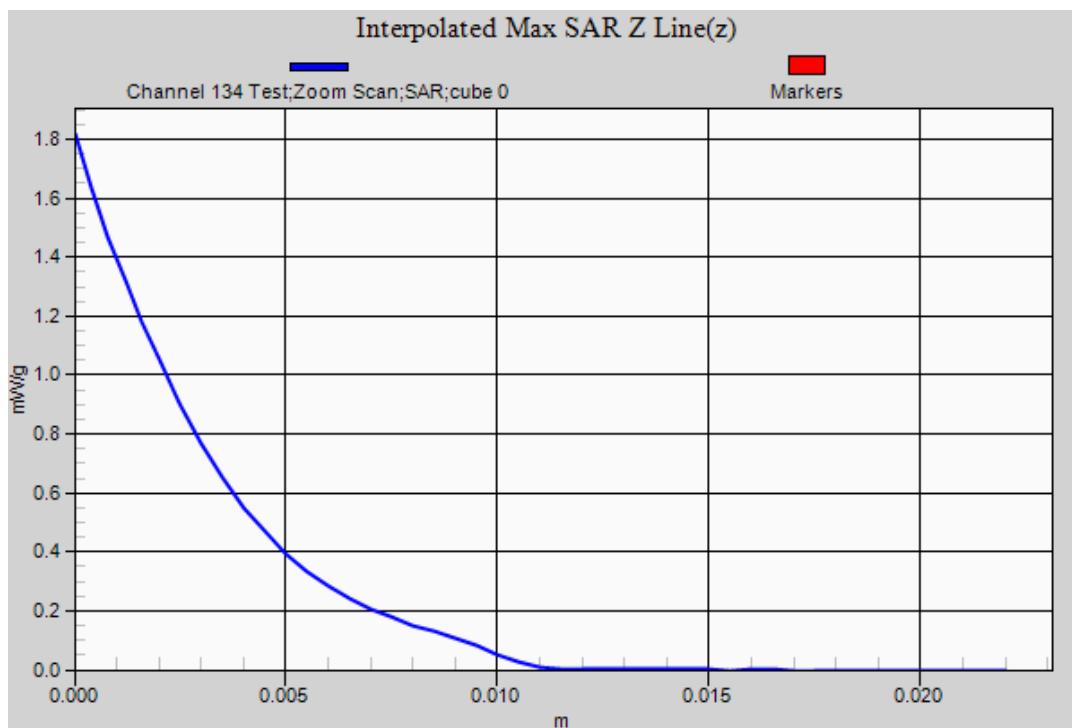
**Humidity**

**39.0%**



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**Test Date: 15 August 2012**

File Name: M120812\_Lap Held HT0 (40MHz) 5800 MHz Antenna A (1) 15-08-12.da52:0

**DUT: Fujitsu Tablet Quattro with HB116 11abgn and Bluetooth; Type: AR5BHB116; Serial: MAC: B4749F72213F**

\* Communication System: OFDM 5 GHz HT0 (40 MHz); Frequency: 5755 MHz; Duty Cycle: 1:1

\* Medium parameters used:  $f = 5757.4$  MHz;  $\sigma = 6.137$  mho/m;  $\epsilon_r = 46.415$ ;  $\rho = 1000$  kg/m<sup>3</sup>

- Electronics: DAE3 Sn442; Probe: EX3DV4 - SN3563; ConvF(3.37, 3.37, 3.37); Calibrated: 21/06/2012

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

**Configuration/Channel 151 Test/Area Scan (91x121x1):** Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.920 mW/g

**Configuration/Channel 151 Test/Zoom Scan (7x7x9)/Cube 0:** Measurement grid:

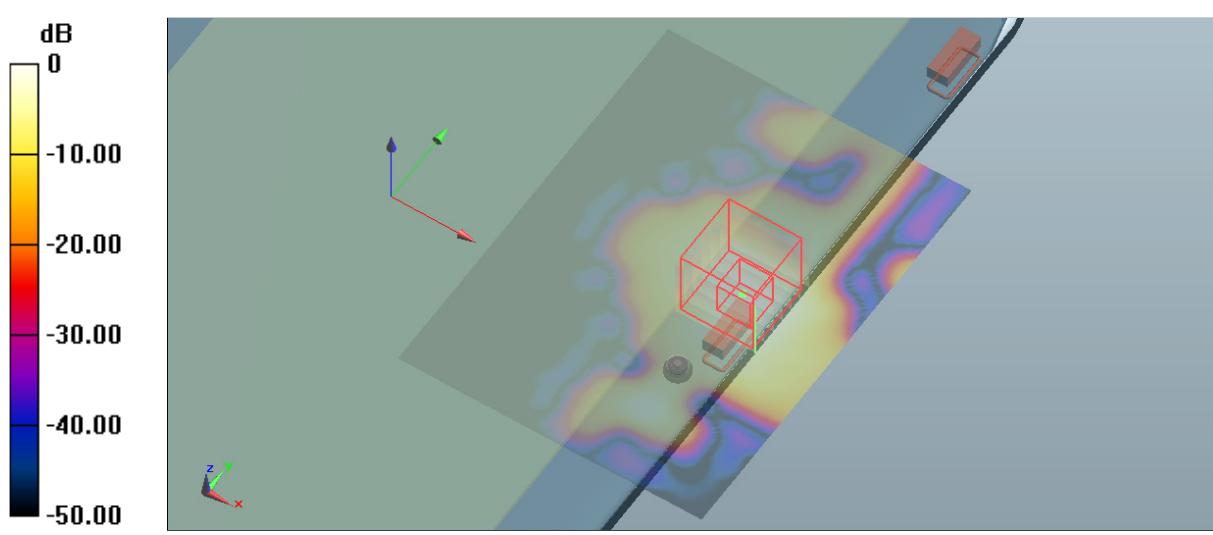
dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 11.416 V/m; Power Drift = 0.11 dB

Peak SAR (extrapolated) = 3.704 mW/g

**SAR(1 g) = 0.927 mW/g; SAR(10 g) = 0.304 mW/g**

Maximum value of SAR (measured) = 1.90 mW/g



Ambient Temperature

20.7 Degrees Celsius

Liquid Temperature

20.5 Degrees Celsius

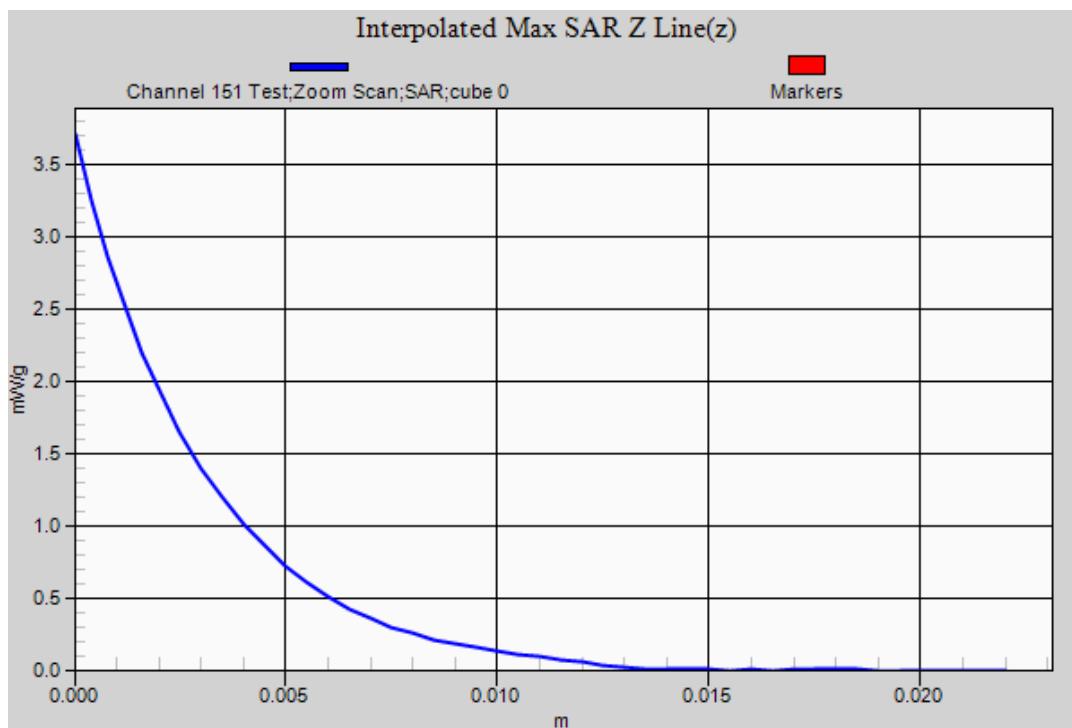
Humidity

38.0%



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**Test Date: 15 August 2012**

File Name: M120812\_Lap Held OFDM 5800 MHz Antenna A (1) 15-08-12.da52:0

**DUT: Fujitsu Tablet Quattro with HB116 11abgn and Bluetooth; Type: AR5BHB116; Serial: MAC: B4749F72213F**

\* Communication System: OFDM 5 GHz 6 Mbs; Frequency: 5785 MHz; Duty Cycle: 1:17.0451

\* Medium parameters used:  $f = 5783.8$  MHz;  $\sigma = 6.185$  mho/m;  $\epsilon_r = 46.351$ ;  $\rho = 1000$  kg/m<sup>3</sup>

- Electronics: DAE3 Sn442; Probe: EX3DV4 - SN3563; ConvF(3.37, 3.37, 3.37); Calibrated: 21/06/2012

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

**Configuration/Channel 157 Test 2/Area Scan (91x121x1):** Measurement grid:

$dx=10$ mm,  $dy=10$ mm

Maximum value of SAR (interpolated) = 1.15 mW/g

**Configuration/Channel 157 Test 2/Zoom Scan (9x9x9)/Cube 0:** Measurement grid:

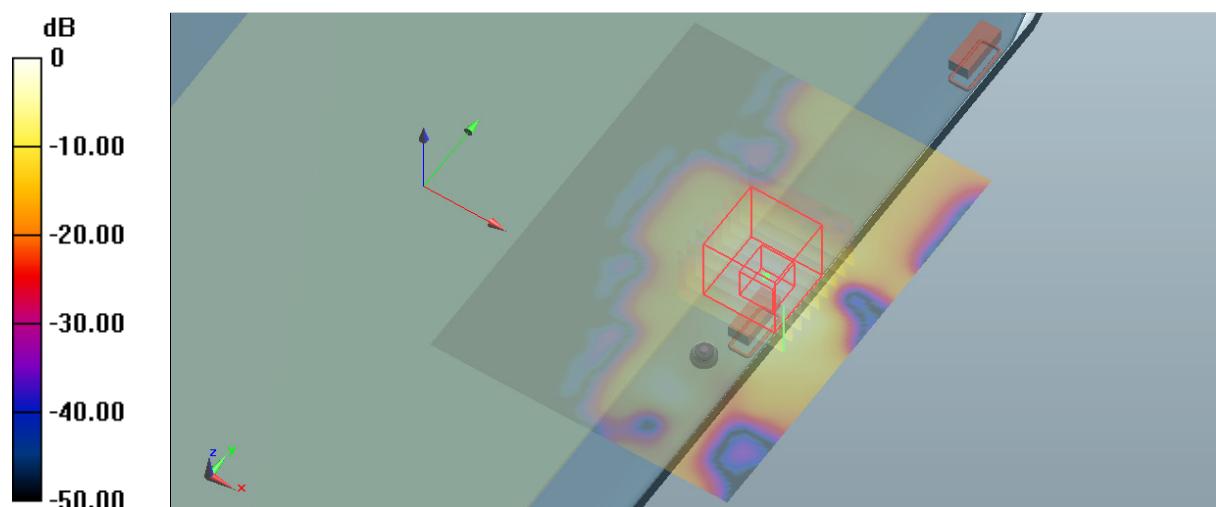
$dx=4$ mm,  $dy=4$ mm,  $dz=2.5$ mm

Reference Value = 13.067 V/m; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 4.491 mW/g

**SAR(1 g) = 1.09 mW/g; SAR(10 g) = 0.350 mW/g**

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



**SAR MEASUREMENT PLOT 16**

Ambient Temperature

**20.7 Degrees Celsius**

Liquid Temperature

**20.5 Degrees Celsius**

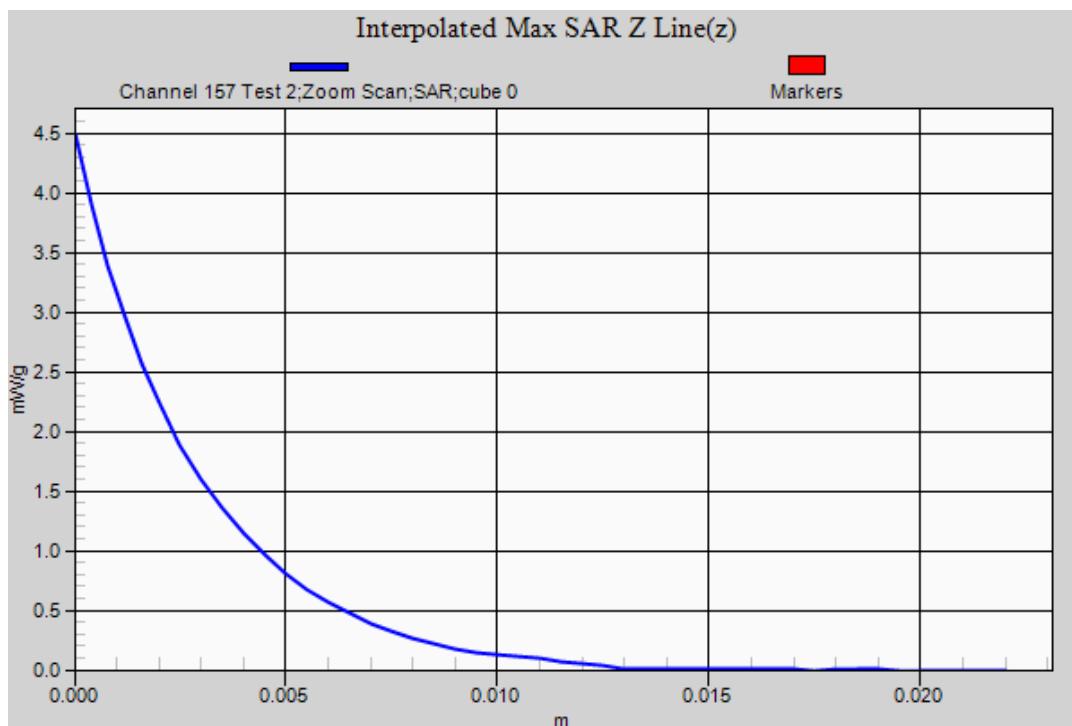
Humidity

**38.0%**



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**Test Date: 15 August 2012**

File Name: M120812\_Lap Held OFDM 5800 MHz Antenna A (1) 15-08-12.da52:0

DUT: Fujitsu Tablet Quattro with HB116 11abgn and Bluetooth; Type: AR5BHB116; Serial: MAC: B4749F72213F

\* Communication System: OFDM 5 GHz 6 Mbs; Frequency: 5825 MHz; Duty Cycle: 1:17.0451

\* Medium parameters used:  $f = 5823.4$  MHz;  $\sigma = 6.245$  mho/m;  $\epsilon_r = 46.237$ ;  $\rho = 1000$  kg/m<sup>3</sup>

- Electronics: DAE3 Sn442; Probe: EX3DV4 - SN3563; ConvF(3.37, 3.37, 3.37); Calibrated: 21/06/2012

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

**Configuration/Channel 165 Test/Area Scan (91x121x1):** Measurement grid: dx=10mm, dy=10mm

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

**Configuration/Channel 165 Test/Zoom Scan (9x9x9)/Cube 0:** Measurement grid:

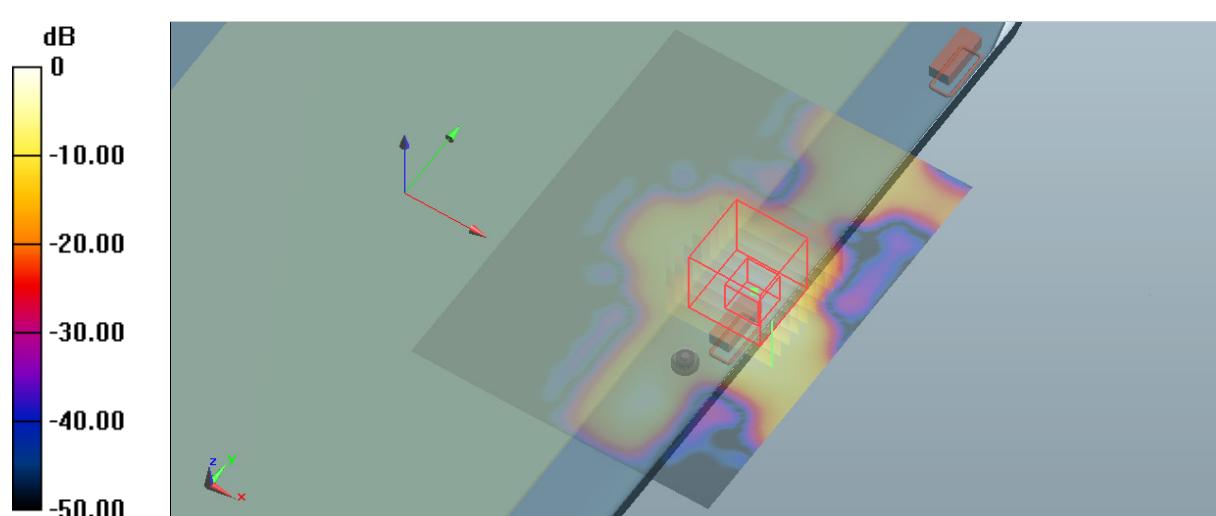
dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 12.361 V/m; Power Drift = -0.09 dB

Peak SAR (extrapolated) = 4.538 mW/g

**SAR(1 g) = 1.06 mW/g; SAR(10 g) = 0.332 mW/g**

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



**SAR MEASUREMENT PLOT 17**

Ambient Temperature

**20.7 Degrees Celsius**

Liquid Temperature

**20.5 Degrees Celsius**

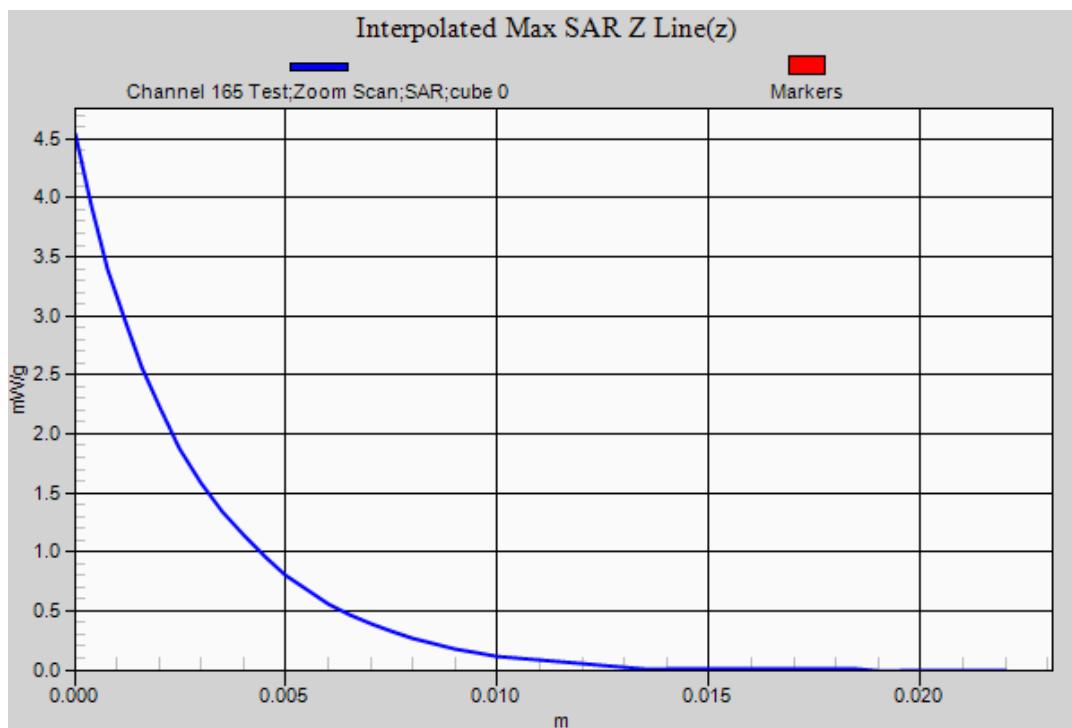
Humidity

**38.0%**



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**Test Date: 15 August 2012**

File Name: M120812\_Lap Held HT0 (40MHz) 5800 MHz Antenna B (2) 15-08-12.da52:0

**DUT: Fujitsu Tablet Quattro with HB116 11abgn and Bluetooth; Type: AR5BHB116; Serial: MAC: B4749F72213F**

\* Communication System: OFDM 5 GHz HT0 (40 MHz); Frequency: 5755 MHz; Duty Cycle: 1:1

\* Medium parameters used:  $f = 5757.4$  MHz;  $\sigma = 6.137$  mho/m;  $\epsilon_r = 46.415$ ;  $\rho = 1000$  kg/m<sup>3</sup>

- Electronics: DAE3 Sn442; Probe: EX3DV4 - SN3563; ConvF(3.37, 3.37, 3.37); Calibrated: 21/06/2012

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

**Configuration/Channel 151 Test/Area Scan (91x121x1):** Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.665 mW/g

**Configuration/Channel 151 Test/Zoom Scan (7x7x9)/Cube 0:** Measurement grid:

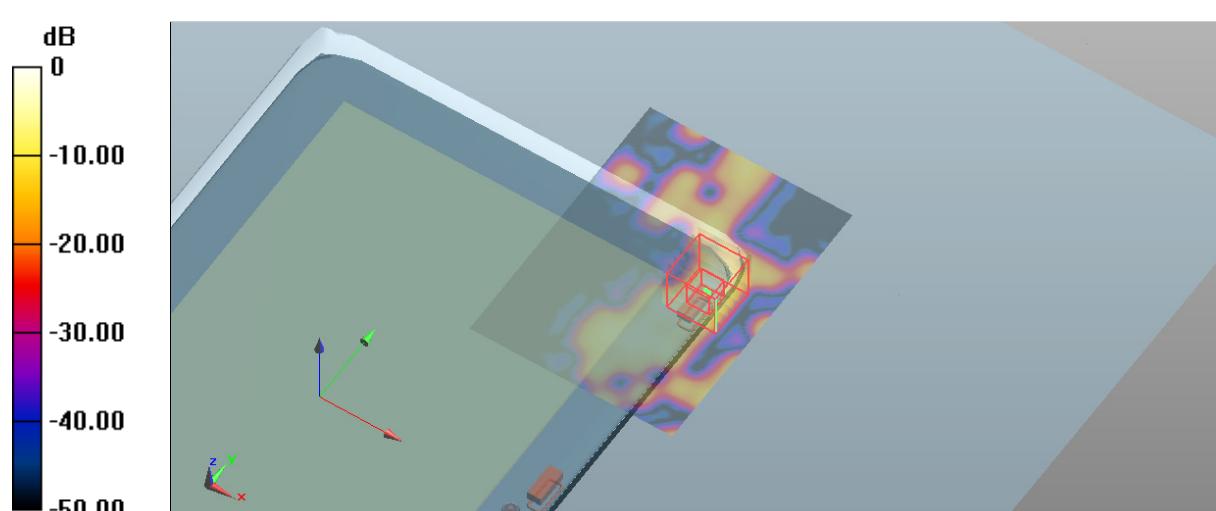
dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 5.273 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 1.518 mW/g

**SAR(1 g) = 0.368 mW/g; SAR(10 g) = 0.086 mW/g**

Maximum value of SAR (measured) = 0.861 mW/g



0 dB = 0.665 mW/g = -3.54 dB mW/g

**SAR MEASUREMENT PLOT 18**

Ambient Temperature

**20.7 Degrees Celsius**

Liquid Temperature

**20.5 Degrees Celsius**

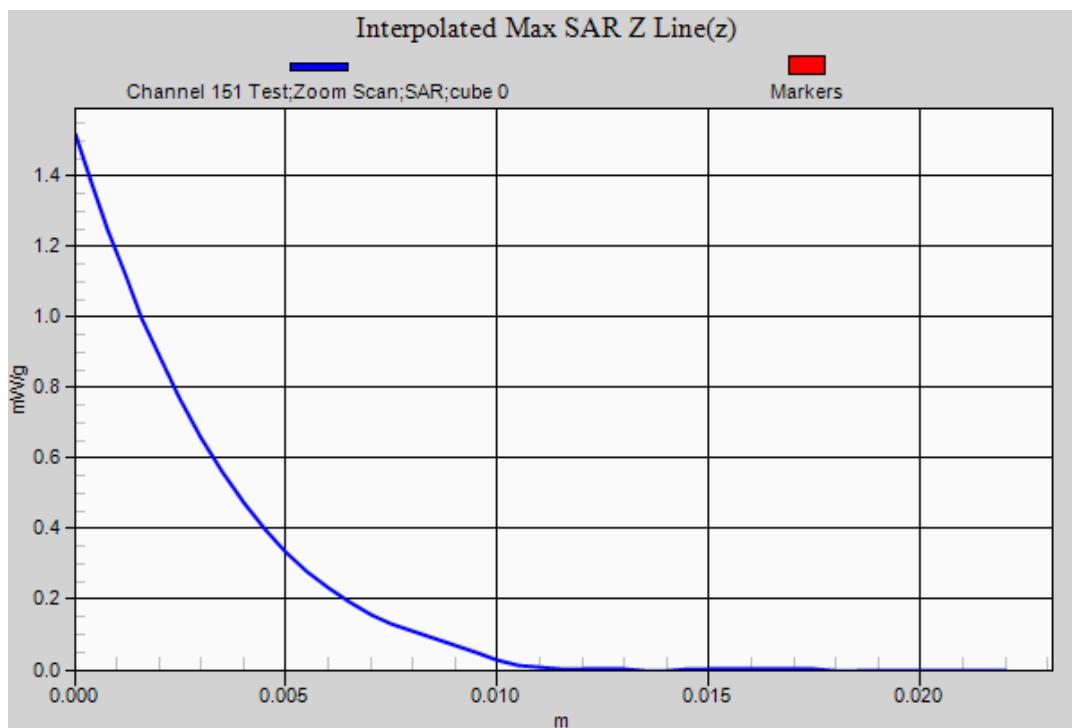
Humidity

**38.0%**



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**Test Date: 15 August 2012**

File Name: M120812\_Lap Held OFDM 5800 MHz Antenna B (2) 15-08-12.da52:0

**DUT: Fujitsu Tablet Quattro with HB116 11abgn and Bluetooth; Type: AR5BHB116; Serial: MAC: B4749F72213F**

\* Communication System: OFDM 5 GHz 6 Mbs; Frequency: 5785 MHz; Duty Cycle: 1:17.0451

\* Medium parameters used:  $f = 5783.8$  MHz;  $\sigma = 6.185$  mho/m;  $\epsilon_r = 46.351$ ;  $\rho = 1000$  kg/m<sup>3</sup>

- Electronics: DAE3 Sn442; Probe: EX3DV4 - SN3563; ConvF(3.37, 3.37, 3.37); Calibrated: 21/06/2012

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

**Configuration/Channel 157 Test/Area Scan (91x121x1):** Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.571 mW/g

**Configuration/Channel 157 Test/Zoom Scan (7x7x9)/Cube 0:** Measurement grid:

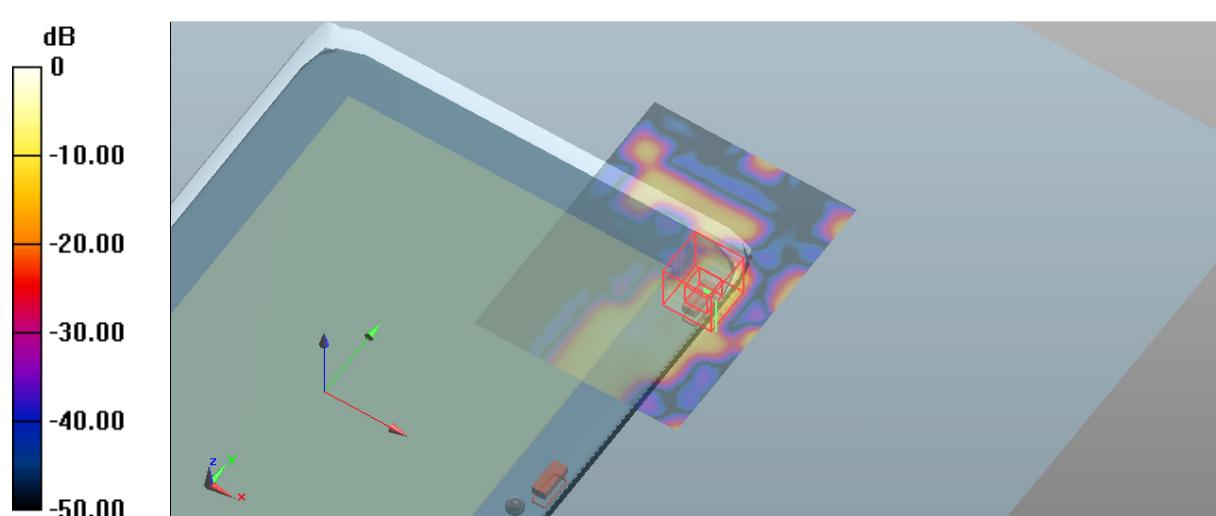
dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 5.126 V/m; Power Drift = -0.06 dB

Peak SAR (extrapolated) = 1.822 mW/g

**SAR(1 g) = 0.314 mW/g; SAR(10 g) = 0.076 mW/g**

Maximum value of SAR (measured) = 0.766 mW/g



0 dB = 0.571 mW/g = -4.87 dB mW/g

**SAR MEASUREMENT PLOT 19**

Ambient Temperature

20.7 Degrees Celsius

Liquid Temperature

20.5 Degrees Celsius

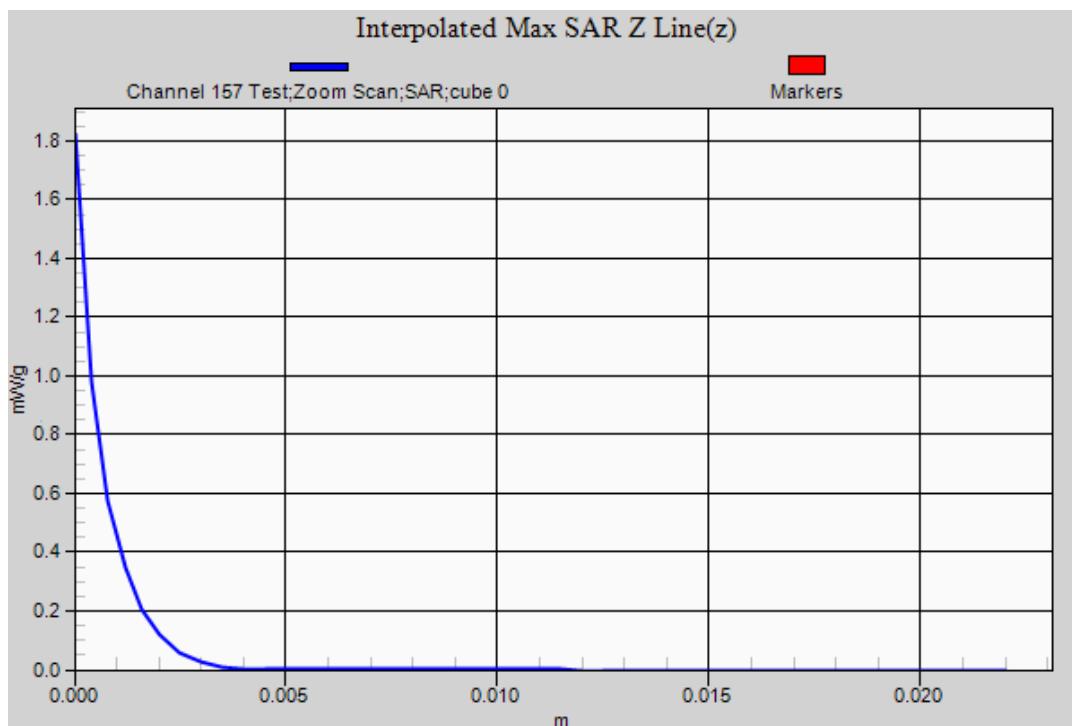
Humidity

38.0%



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**Test Date: 15 August 2012**

File Name: M120812\_Lap Held OFDM 5800 MHz Antenna B (2) 15-08-12.da52:0

**DUT: Fujitsu Tablet Quattro with HB116 11abgn and Bluetooth; Type: AR5BHB116; Serial: MAC: B4749F72213F**

\* Communication System: OFDM 5 GHz 6 Mbs; Frequency: 5825 MHz; Duty Cycle: 1:17.0451

\* Medium parameters used:  $f = 5823.4$  MHz;  $\sigma = 6.245$  mho/m;  $\epsilon_r = 46.237$ ;  $\rho = 1000$  kg/m<sup>3</sup>

- Electronics: DAE3 Sn442; Probe: EX3DV4 - SN3563; ConvF(3.37, 3.37, 3.37); Calibrated: 21/06/2012

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

**Configuration/Channel 165 Test/Area Scan (91x121x1):** Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.598 mW/g

**Configuration/Channel 165 Test/Zoom Scan (9x9x9)/Cube 0:** Measurement grid:

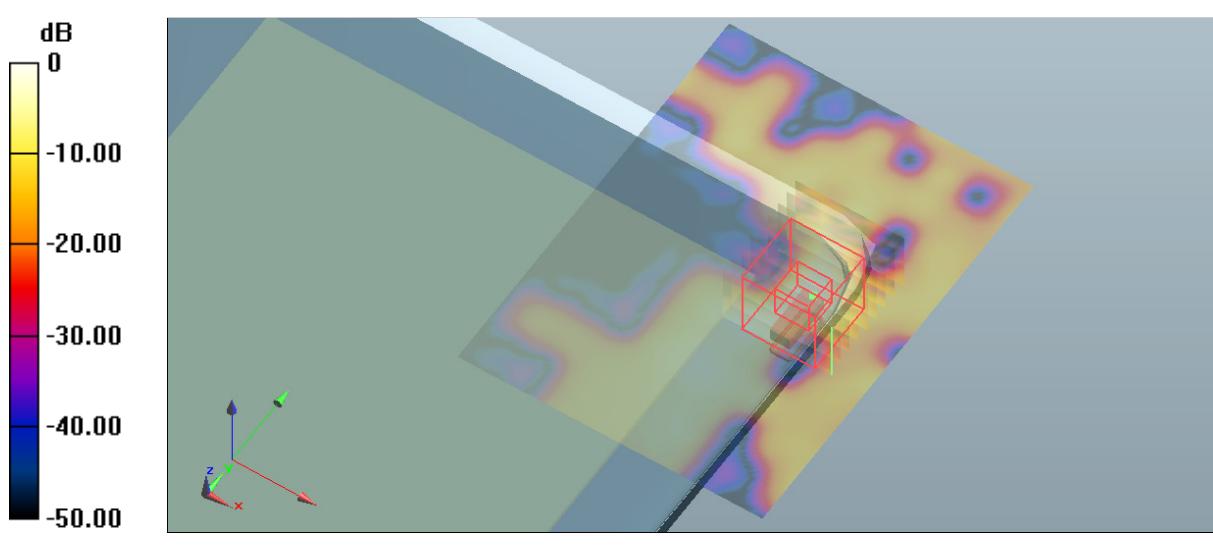
dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 7.409 V/m; Power Drift = -0.19 dB

Peak SAR (extrapolated) = 2.288 mW/g

**SAR(1 g) = 0.357 mW/g; SAR(10 g) = 0.084 mW/g**

Maximum value of SAR (measured) = 0.812 mW/g



**Ambient Temperature**

**20.7 Degrees Celsius**

**Liquid Temperature**

**20.5 Degrees Celsius**

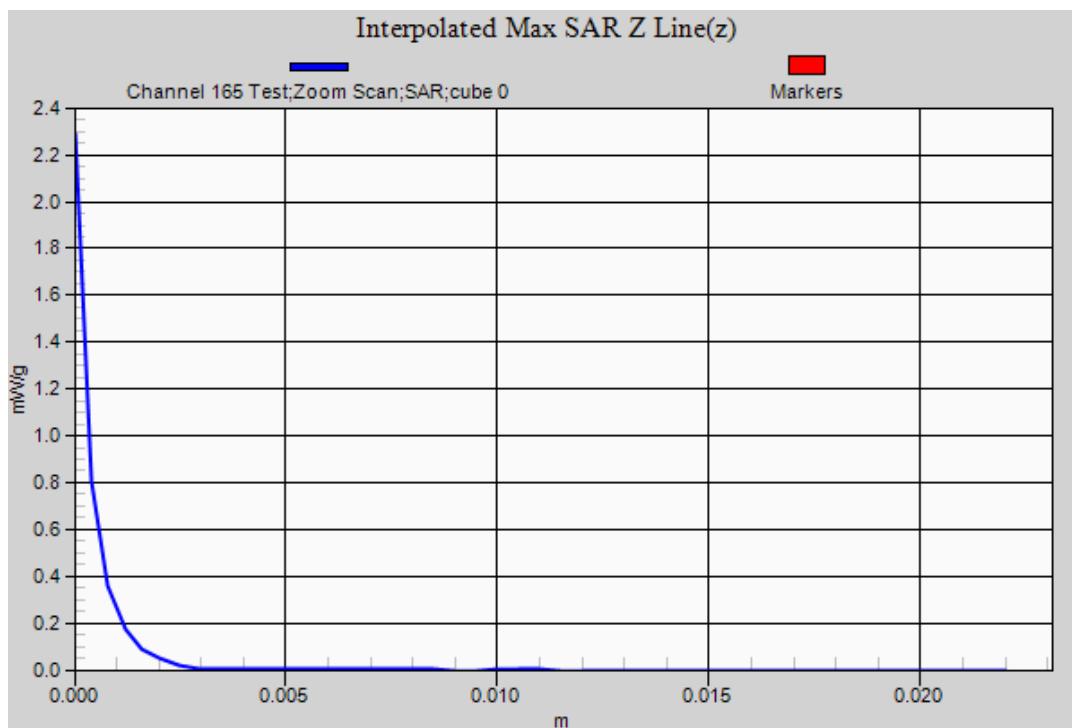
**Humidity**

**38.0%**



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**Test Date: 15 August 2012**

File Name: M120812 Edge On Primary Portrait OFDM 5800 MHz Antenna A (1) 15-08-12.da52:0

DUT: Fujitsu Tablet Quattro with HB116 11abgn and Bluetooth; Type: AR5BHB116; Serial: MAC: B4749F72213F

\* Communication System: OFDM 5 GHz 6 Mbs; Frequency: 5785 MHz; Duty Cycle: 1:17.0451

\* Medium parameters used:  $f = 5783.8$  MHz;  $\sigma = 6.185$  mho/m;  $\epsilon_r = 46.351$ ;  $\rho = 1000$  kg/m<sup>3</sup>

- Electronics: DAE3 Sn442; Probe: EX3DV4 - SN3563; ConvF(3.37, 3.37, 3.37); Calibrated: 21/06/2012

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

**Configuration/Channel 157 Test/Area Scan (91x121x1):** Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.126 mW/g

**Configuration/Channel 157 Test/Zoom Scan (7x7x9)/Cube 0:** Measurement grid:

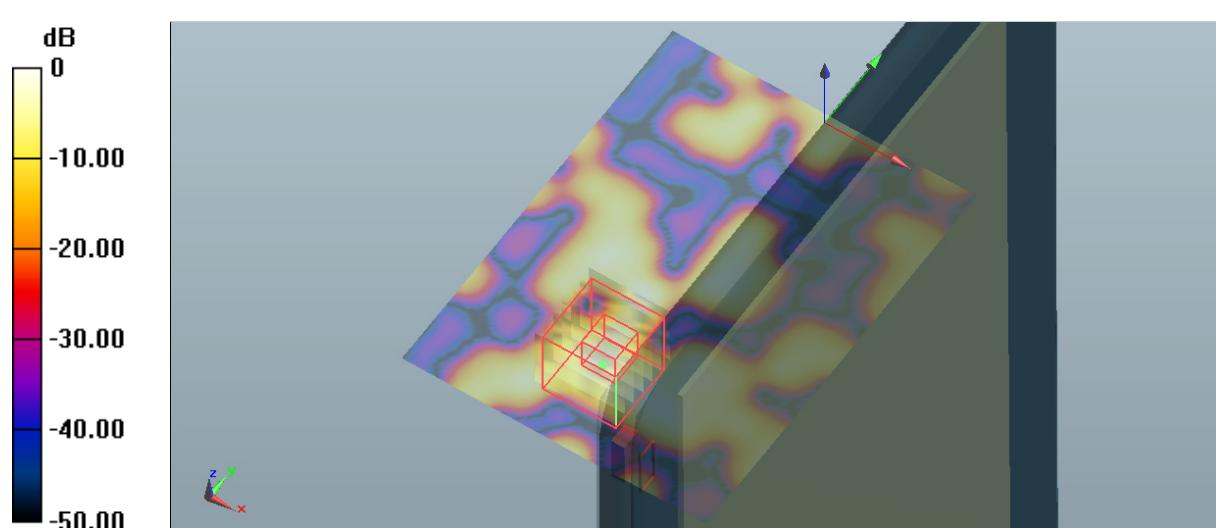
dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 3.478 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 0.508 mW/g

**SAR(1 g) = 0.068 mW/g; SAR(10 g) = 0.022 mW/g**

Maximum value of SAR (measured) = 0.196 mW/g



**SAR MEASUREMENT PLOT 21**

Ambient Temperature

20.7 Degrees Celsius

Liquid Temperature

20.5 Degrees Celsius

Humidity

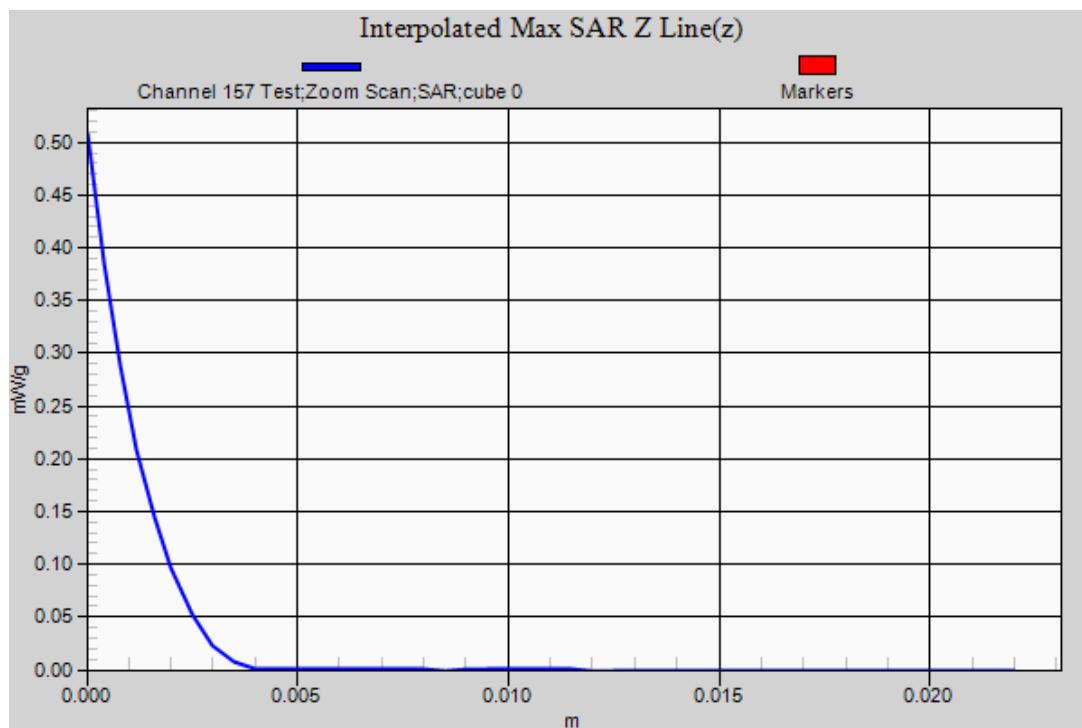
38.0%



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**Test Date: 15 August 2012**

File Name: System Check 5800MHz 15-08-12.da52:0

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

\* Communication System: CW 5800 MHz; Frequency: 5800 MHz; Duty Cycle: 1:1

\* Medium parameters used:  $f = 5797$  MHz;  $\sigma = 6.206$  mho/m;  $\epsilon_r = 46.281$ ;  $\rho = 1000$  kg/m<sup>3</sup>

- Electronics: DAE3 Sn442; Probe: EX3DV4 - SN3563; ConvF(3.37, 3.37, 3.37); Calibrated: 21/06/2012

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

**Configuration/Channel 1 Test/Area Scan (91x91x1):** Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 19.6 mW/g

**Configuration/Channel 1 Test/Zoom Scan (7x7x9)/Cube 0:** Measurement grid:

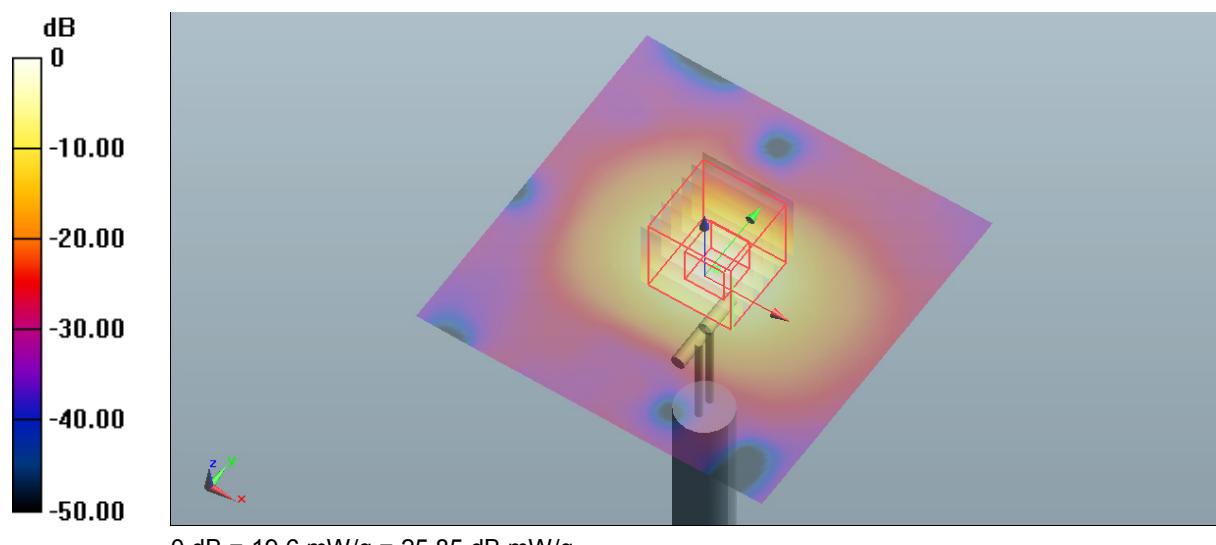
dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 58.940 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 38.705 mW/g

**SAR(1 g) = 9.23 mW/g; SAR(10 g) = 2.57 mW/g**

Maximum value of SAR (measured) = 20.4 mW/g



Ambient Temperature

20.7 Degrees Celsius

Liquid Temperature

20.5 Degrees Celsius

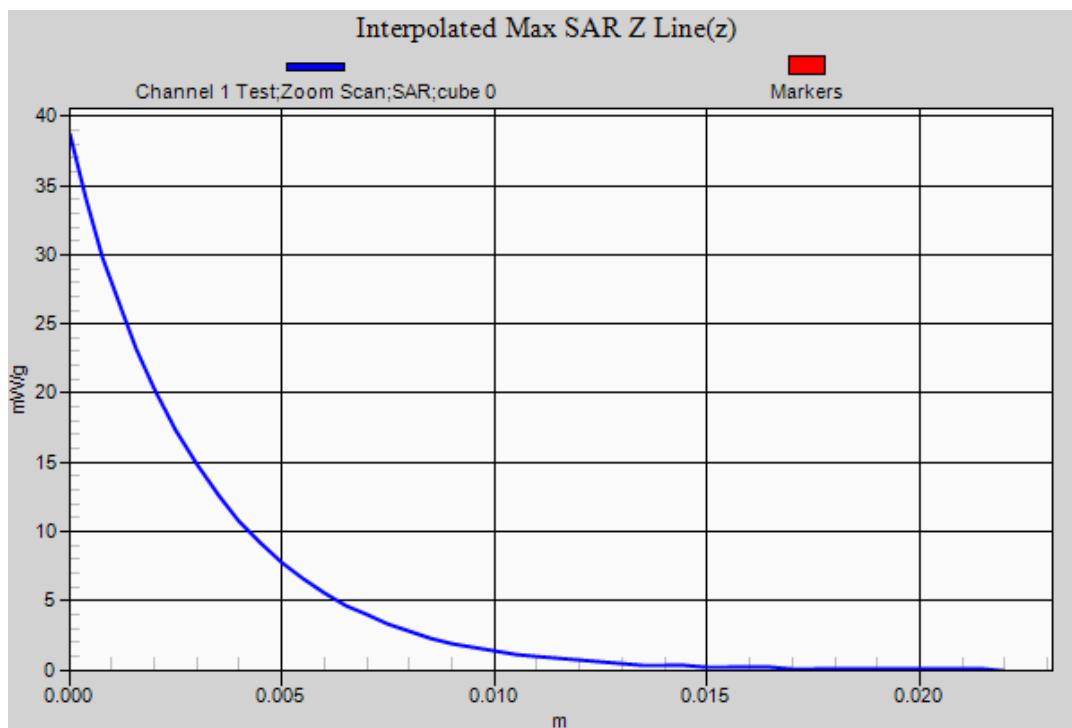
Humidity

38.0%



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**Test Date: 16 August 2012**

File Name: System Check 5500MHz 16-08-12.da52:0

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

\* Communication System: CW 5500 MHz; Frequency: 5500 MHz; Duty Cycle: 1:1

\* Medium parameters used:  $f = 5500$  MHz;  $\sigma = 5.796$  mho/m;  $\epsilon_r = 47.148$ ;  $\rho = 1000$  kg/m<sup>3</sup>

- Electronics: DAE3 Sn442; Probe: EX3DV4 - SN3563; ConvF(3.4, 3.4, 3.4); Calibrated: 21/06/2012

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

**Configuration/Channel 1 Test/Area Scan (91x91x1):** Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 21.3 mW/g

**Configuration/Channel 1 Test/Zoom Scan (7x7x9)/Cube 0:** Measurement grid:

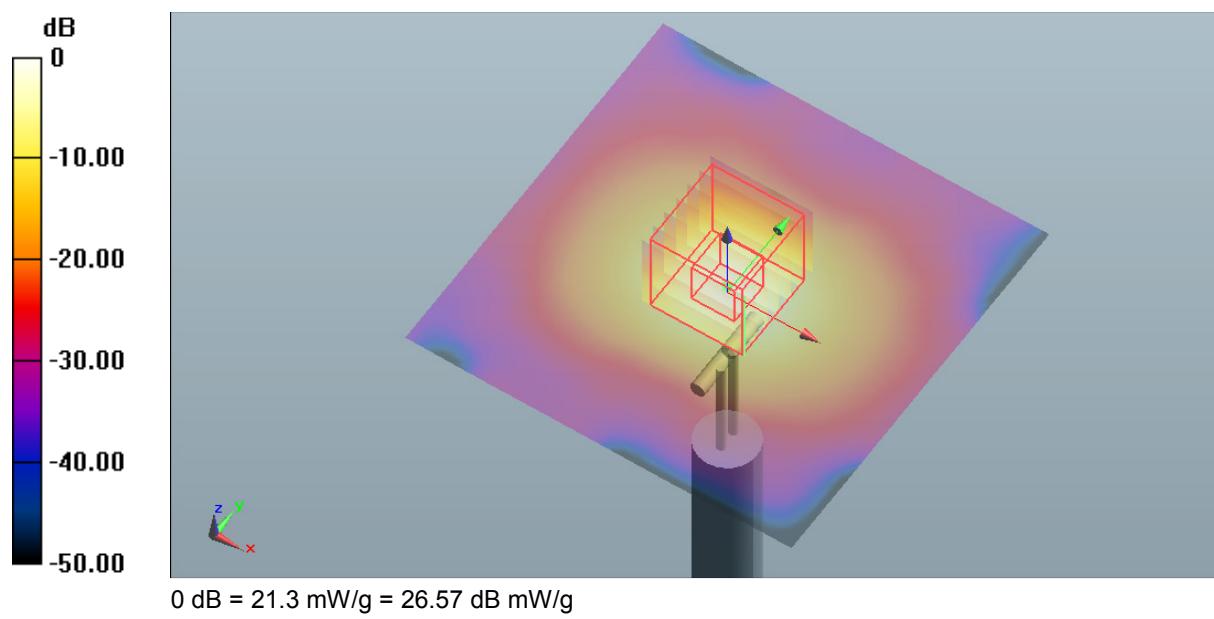
dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 65.019 V/m; Power Drift = 0.07 dB

Peak SAR (extrapolated) = 39.858 mW/g

**SAR(1 g) = 10.1 mW/g; SAR(10 g) = 2.84 mW/g**

Maximum value of SAR (measured) = 21.4 mW/g



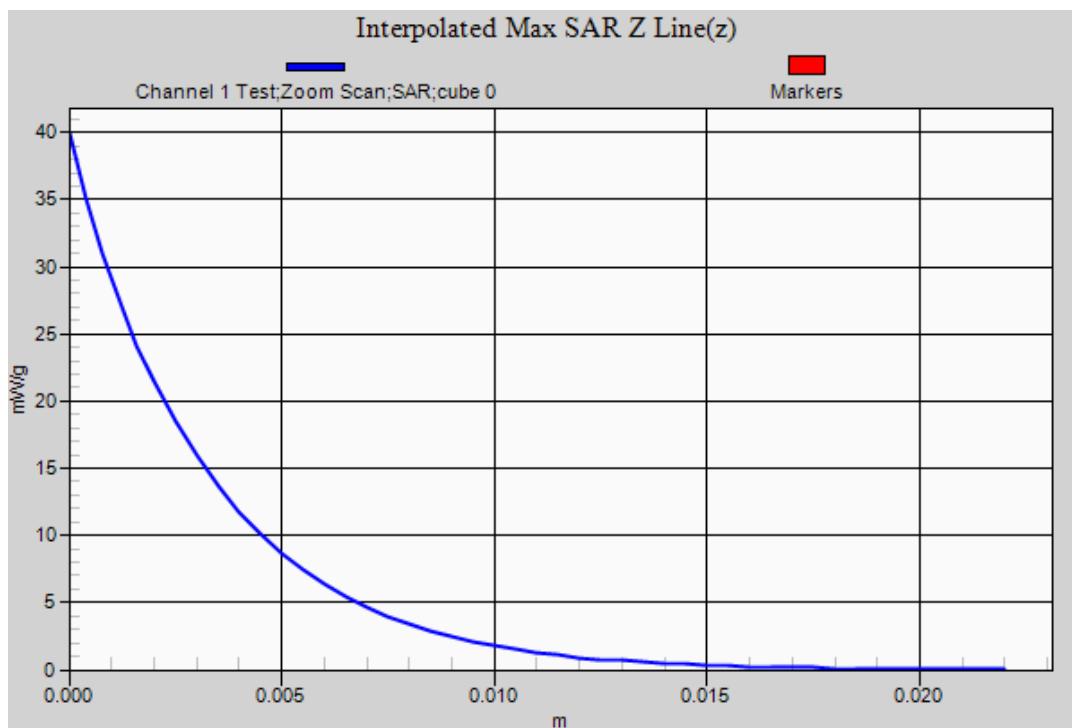
Ambient Temperature  
Liquid Temperature  
Humidity

20.8 Degrees Celsius  
20.6 Degrees Celsius  
39.0%



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**Test Date: 17 August 2012**

File Name: System Check 5200MHz 17-08-12.da52:0

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

\* Communication System: CW 5200 MHz; Frequency: 5200 MHz; Duty Cycle: 1:1

\* Medium parameters used:  $f = 5203$  MHz;  $\sigma = 5.355$  mho/m;  $\epsilon_r = 48.244$ ;  $\rho = 1000$  kg/m<sup>3</sup>

- Electronics: DAE3 Sn442; Probe: EX3DV4 - SN3563; ConvF(3.79, 3.79, 3.79); Calibrated: 21/06/2012

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

**Configuration/Channel 1 Test/Area Scan (91x91x1):** Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 19.4 mW/g

**Configuration/Channel 1 Test/Zoom Scan (9x9x9)/Cube 0:** Measurement grid:

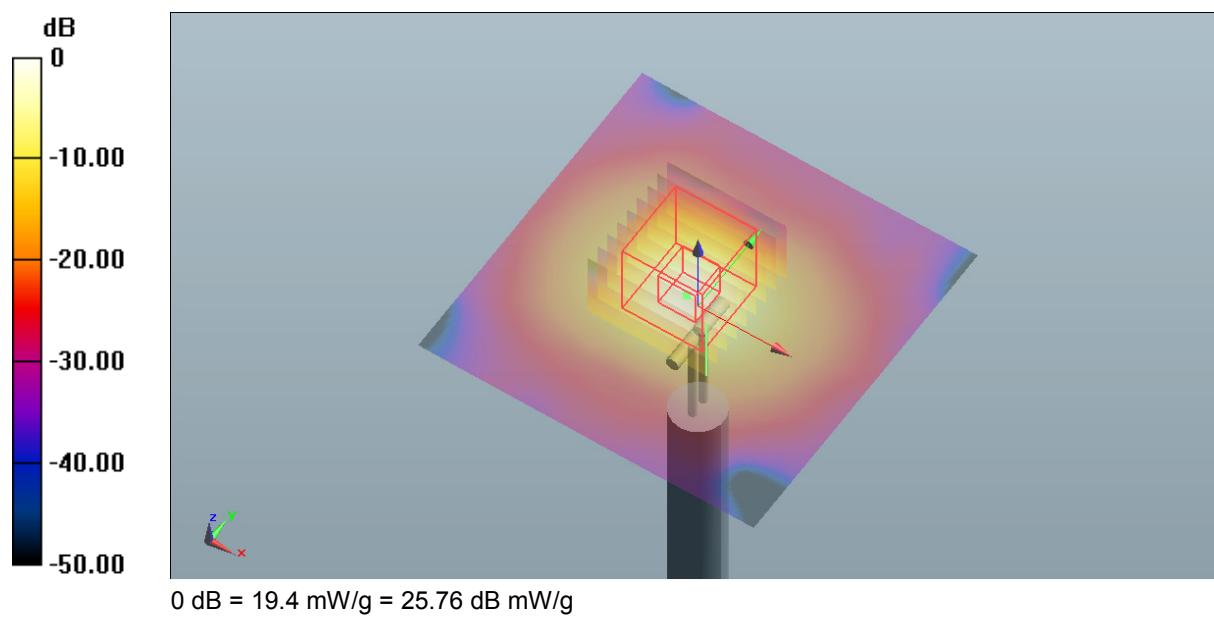
dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 62.799 V/m; Power Drift = 0.19 dB

Peak SAR (extrapolated) = 35.813 mW/g

**SAR(1 g) = 9.67 mW/g; SAR(10 g) = 2.72 mW/g**

Maximum value of SAR (measured) = 20.1 mW/g



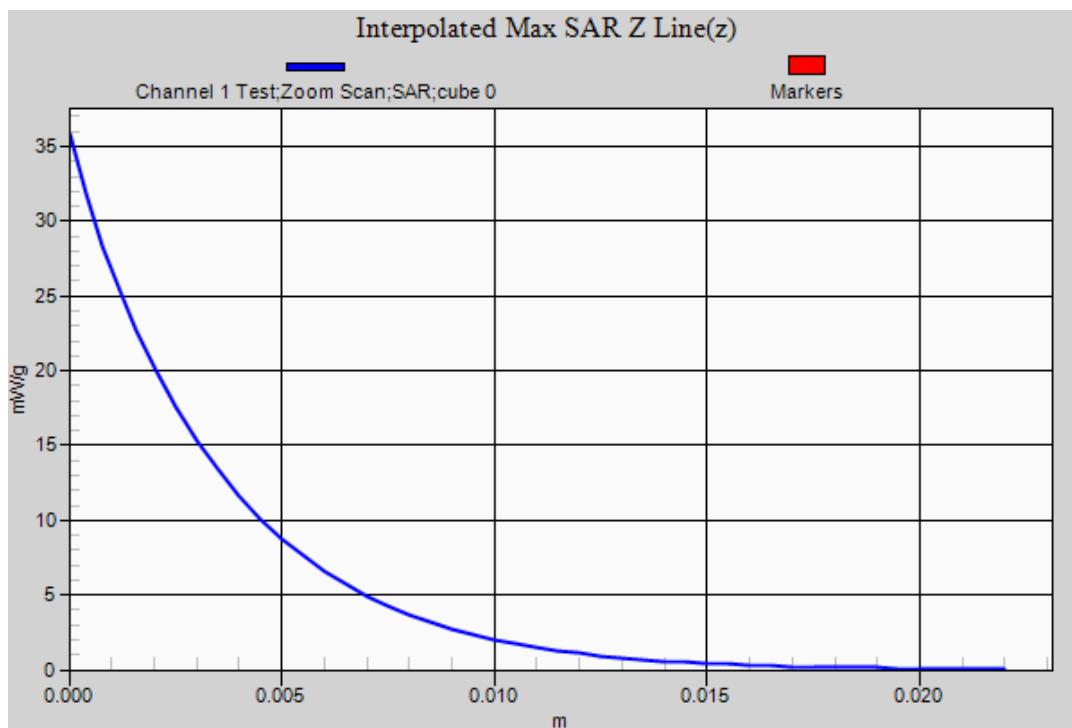
Ambient Temperature  
Liquid Temperature  
Humidity

20.5 Degrees Celsius  
20.2 Degrees Celsius  
41.0%



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