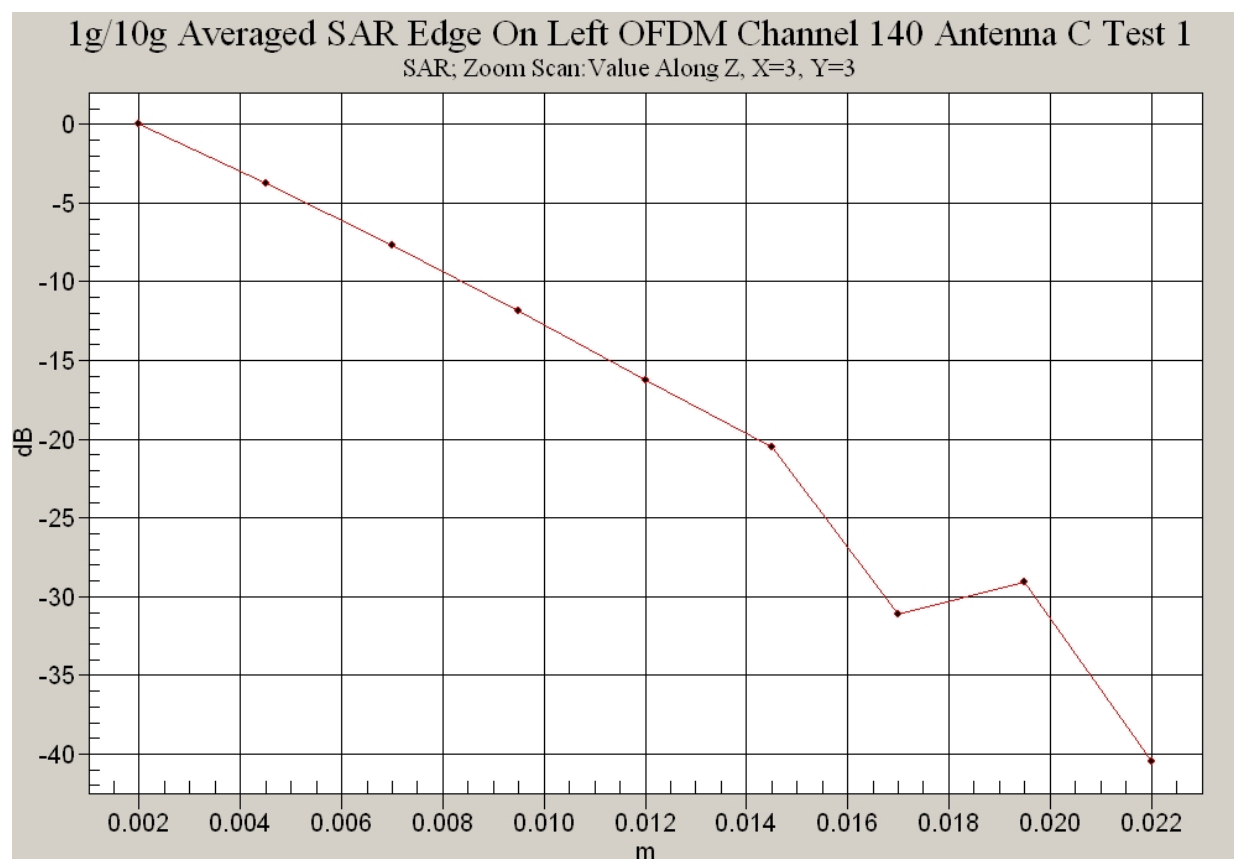




Test Date: 04 August 2008

File Name: Edge On Right OFDM 5.6 GHz Antenna B 2dB Attenuation 04-08-08.da4

DUT: Fujitsu Tablet Hibiki with SP 3x3 abgn; Type: HMW\_533AN; Serial: MAC: 0016EA16277E

\* Communication System: OFDM 5770 MHz EU; Frequency: 5500 MHz; Duty Cycle: 1:1

\* Medium parameters used:  $f = 5494.2$  MHz;  $\sigma = 5.68$  mho/m;  $\epsilon_r = 44.8$ ;  $\rho = 1000$  kg/m<sup>3</sup>

- Electronics: DAE3 Sn442; Probe: EX3DV4 - SN3563; ConvF(3.75, 3.75, 3.75)

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

**Channel 100 Test/Area Scan (71x101x1):** Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 3.50 mW/g

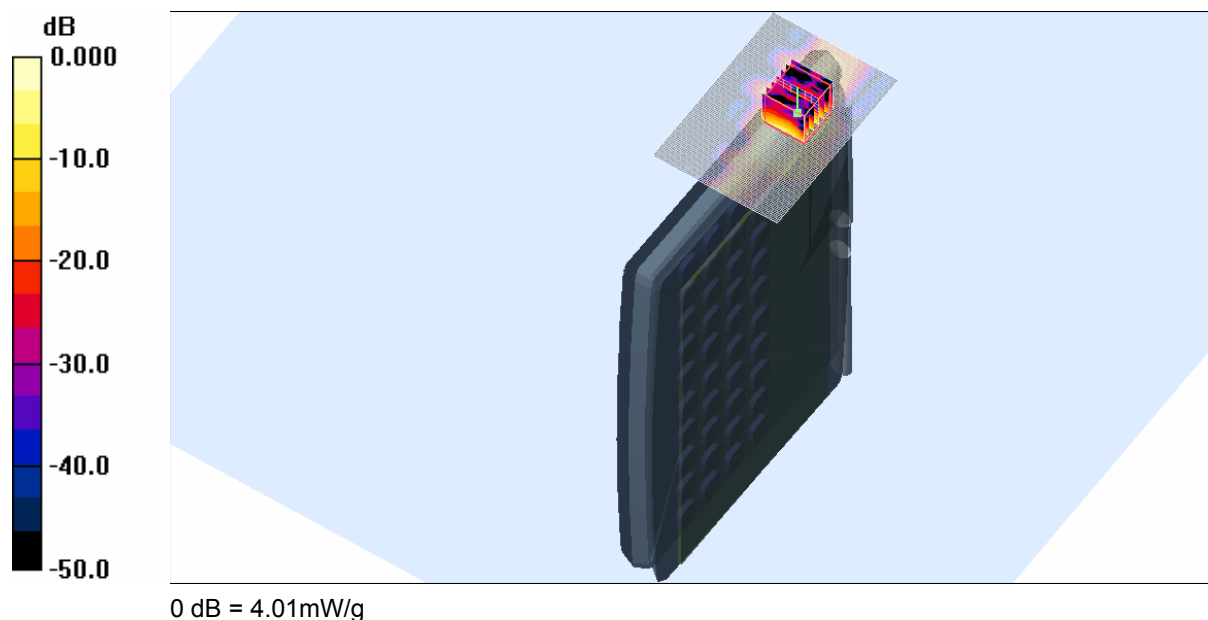
**Channel 100 Test/Zoom Scan (7x7x9)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 11.7 V/m; Power Drift = -0.380 dB

Peak SAR (extrapolated) = 8.52 W/kg

**SAR(1 g) = 1.57 mW/g; SAR(10 g) = 0.337 mW/g**

Maximum value of SAR (measured) = 4.01 mW/g



**SAR MEASUREMENT PLOT 14**

Ambient Temperature  
Liquid Temperature  
Humidity

20.7 Degrees Celsius  
20.3 Degrees Celsius  
41.0 %



Test Date: 04 August 2008

File Name: Edge On Right OFDM 5.6 GHz Antenna B 2dB Attenuation 04-08-08.da4

DUT: Fujitsu Tablet Hibiki with SP 3x3 abgn; Type: HMW\_533AN; Serial: MAC: 0016EA16277E

\* Communication System: OFDM 5770 MHz EU; Frequency: 5600 MHz; Duty Cycle: 1:1

\* Medium parameters used:  $f = 5596.4$  MHz;  $\sigma = 5.86$  mho/m;  $\epsilon_r = 44.5$ ;  $\rho = 1000$  kg/m<sup>3</sup>

- Electronics: DAE3 Sn442; Probe: EX3DV4 - SN3563; ConvF(3.75, 3.75, 3.75)

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

**Channel 120 Test/Area Scan (71x101x1):** Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 2.81 mW/g

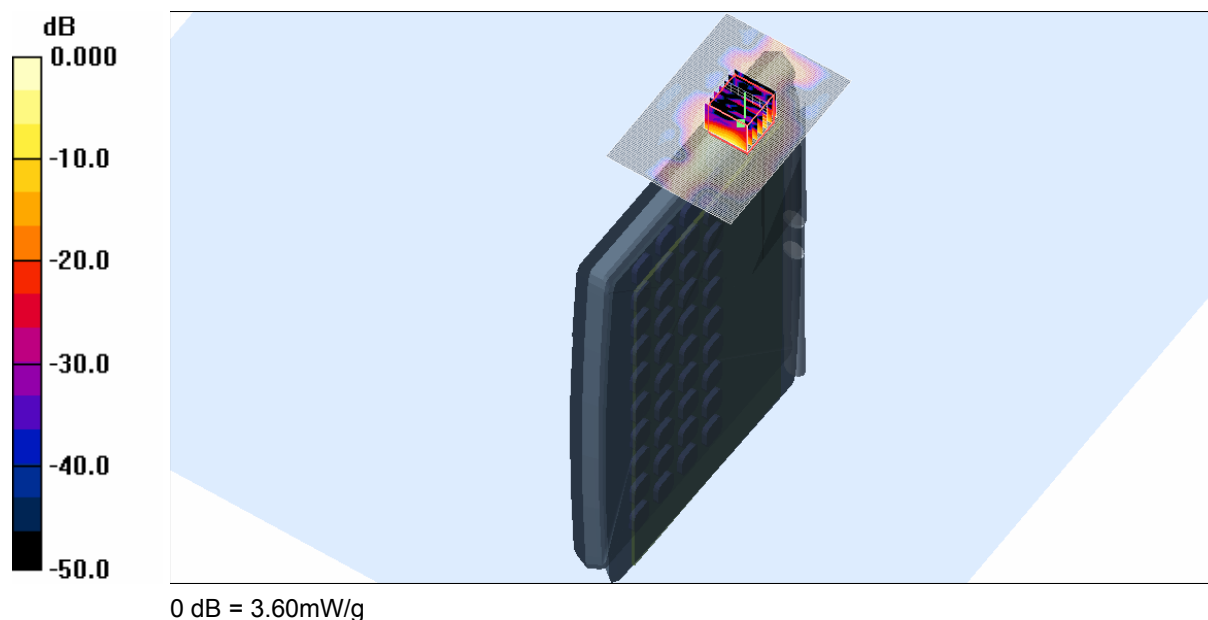
**Channel 120 Test/Zoom Scan (7x7x9)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 12.0 V/m; Power Drift = 0.320 dB

Peak SAR (extrapolated) = 8.40 W/kg

**SAR(1 g) = 1.48 mW/g; SAR(10 g) = 0.305 mW/g**

Maximum value of SAR (measured) = 3.60 mW/g



**SAR MEASUREMENT PLOT 15**

Ambient Temperature  
Liquid Temperature  
Humidity

20.7 Degrees Celsius  
20.3 Degrees Celsius  
41.0 %



Test Date: 04 August 2008

File Name: Edge On Right OFDM 5.6 GHz Antenna B 2dB Attenuation 04-08-08.da4

DUT: Fujitsu Tablet Hibiki with SP 3x3 abgn; Type: HMW\_533AN; Serial: MAC: 0016EA16277E

\* Communication System: OFDM 5770 MHz EU; Frequency: 5700 MHz; Duty Cycle: 1:1

\* Medium parameters used:  $f = 5698.6$  MHz;  $\sigma = 6.03$  mho/m;  $\epsilon_r = 44.2$ ;  $\rho = 1000$  kg/m<sup>3</sup>

- Electronics: DAE3 Sn442; Probe: EX3DV4 - SN3563; ConvF(3.75, 3.75, 3.75)

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

**Channel 140 Test/Area Scan (71x101x1):** Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 2.30 mW/g

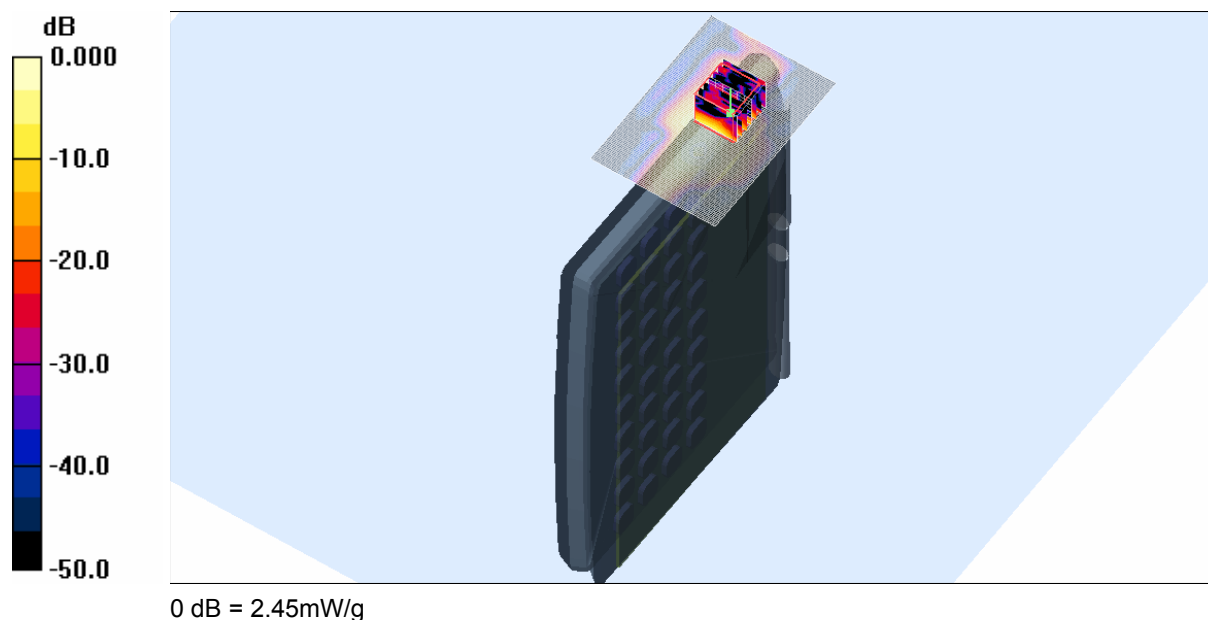
**Channel 140 Test/Zoom Scan (7x7x9)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 22.8 V/m; Power Drift = -0.419 dB

Peak SAR (extrapolated) = 6.09 W/kg

**SAR(1 g) = 1.1 mW/g; SAR(10 g) = 0.214 mW/g**

Maximum value of SAR (measured) = 2.45 mW/g

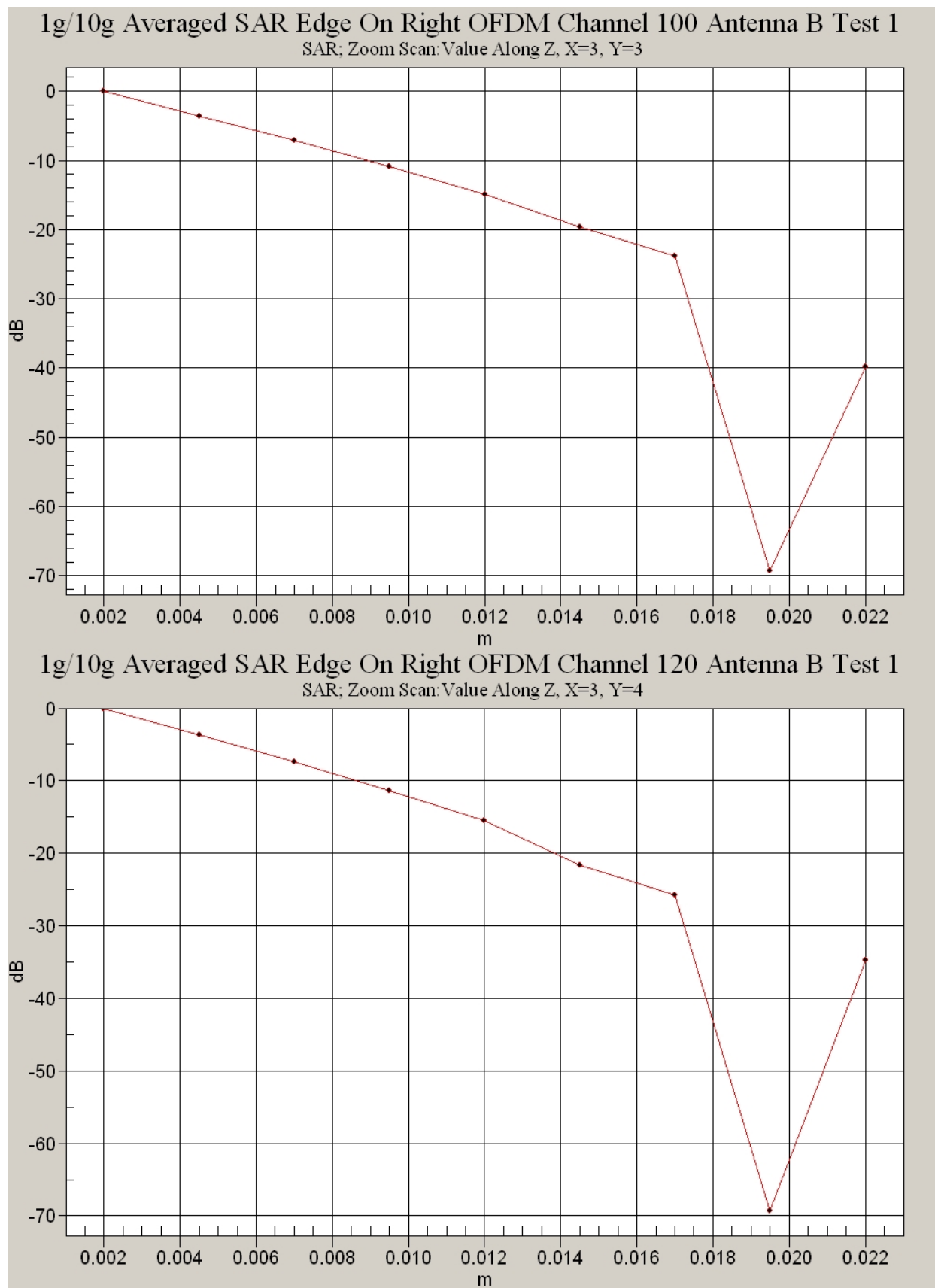


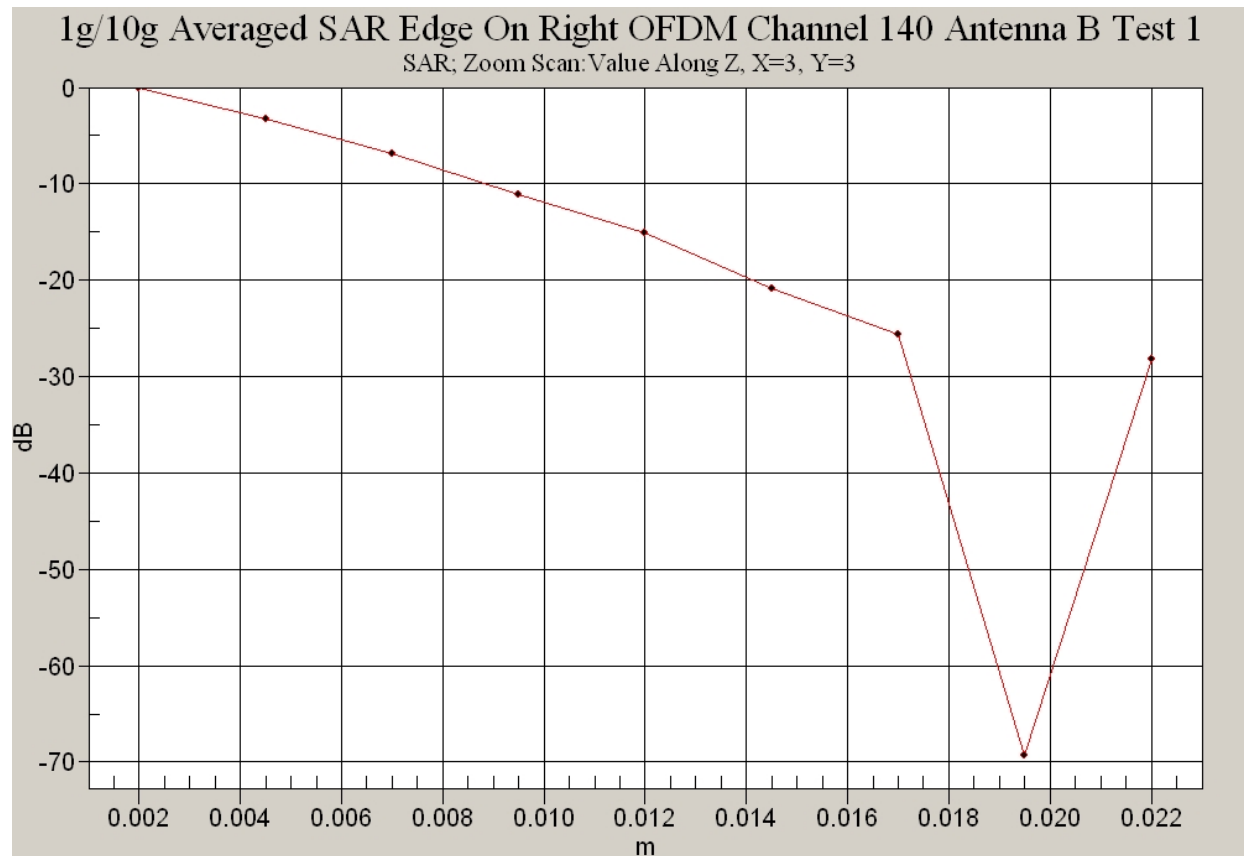
**SAR MEASUREMENT PLOT 16**

Ambient Temperature  
Liquid Temperature  
Humidity

20.7 Degrees Celsius  
20.3 Degrees Celsius  
41.0 %







Test Date: 07 August 2008

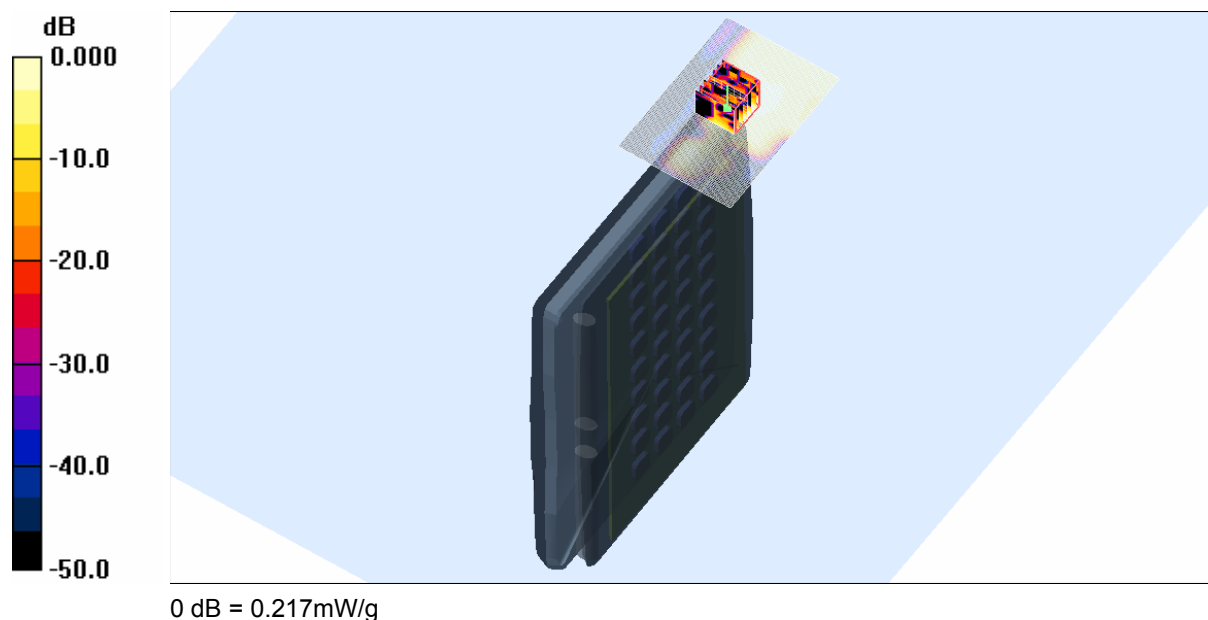
File Name: Edge On Left OFDM 5.8 GHz Antenna A 07-08-08.da4

DUT: Fujitsu Tablet Hibiki with SP 3x3 abgn; Type: HMW\_533AN; Serial: MAC: 0016EA16277E

- \* Communication System: OFDM 5770 MHz; Frequency: 5785 MHz; Duty Cycle: 1:1
- \* Medium parameters used:  $f = 5786.2$  MHz;  $\sigma = 5.95$  mho/m;  $\epsilon_r = 43.9$ ;  $\rho = 1000$  kg/m<sup>3</sup>
- Electronics: DAE3 Sn442; Probe: EX3DV4 - SN3563; ConvF(3.71, 3.71, 3.71)
- Phantom: Flat Phantom 10.1; Serial: P 10.1; Phantom section: Flat 2.2 Section

**Channel 157 Test/Area Scan (71x101x1):** Measurement grid: dx=10mm, dy=10mm  
Maximum value of SAR (interpolated) = 0.275 mW/g

**Channel 157 Test/Zoom Scan (7x7x9)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=2.5mm  
Reference Value = 5.31 V/m; Power Drift = 0.489 dB  
Peak SAR (extrapolated) = 0.469 W/kg  
**SAR(1 g) = 0.097 mW/g; SAR(10 g) = 0.025 mW/g**  
Maximum value of SAR (measured) = 0.217 mW/g



**SAR MEASUREMENT PLOT 17**

Ambient Temperature  
Liquid Temperature  
Humidity

20.1 Degrees Celsius  
19.7 Degrees Celsius  
38.0 %



Test Date: 07 August 2008

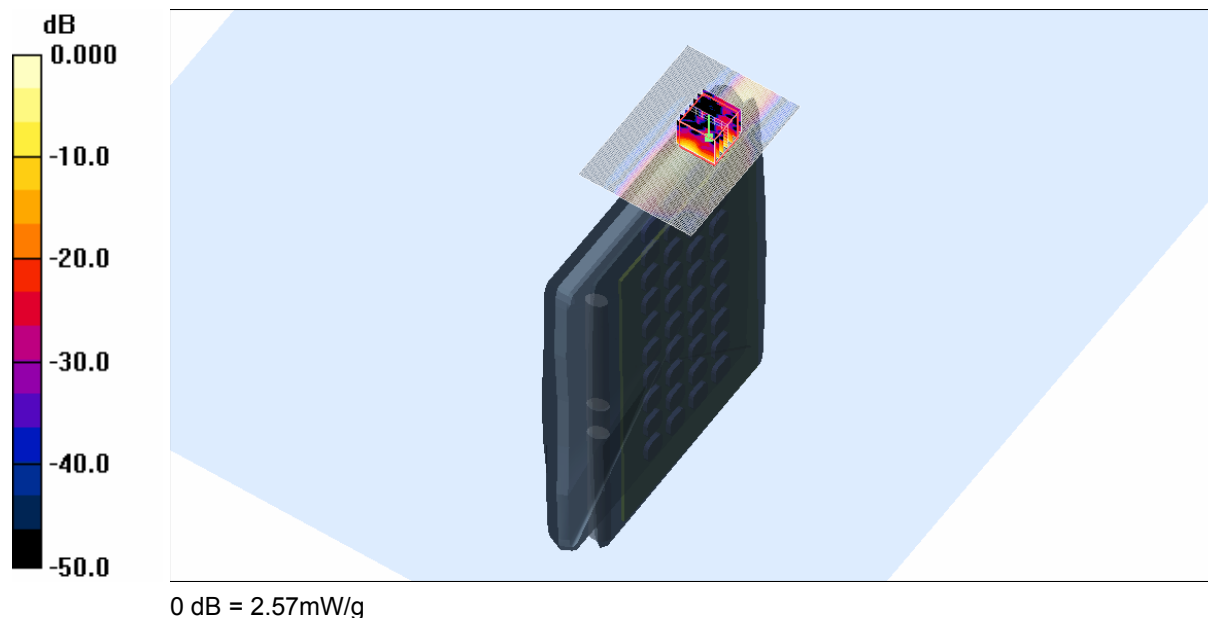
File Name: Edge On Left OFDM 5.8 GHz Antenna C 1dB Attenuation 07-08-08.da4

DUT: Fujitsu Tablet Hibiki with SP 3x3 abgn; Type: HMW\_533AN; Serial: MAC: 0016EA16277E

- \* Communication System: OFDM 5770 MHz; Frequency: 5745 MHz; Duty Cycle: 1:1
- \* Medium parameters used:  $f = 5742.4$  MHz;  $\sigma = 5.87$  mho/m;  $\epsilon_r = 44$ ;  $\rho = 1000$  kg/m<sup>3</sup>
- Electronics: DAE3 Sn442; Probe: EX3DV4 - SN3563; ConvF(3.71, 3.71, 3.71)
- Phantom: Flat Phantom 10.1; Serial: P 10.1; Phantom section: Flat 2.2 Section

**Channel 149 Test/Area Scan (71x101x1):** Measurement grid: dx=10mm, dy=10mm  
Maximum value of SAR (interpolated) = 2.23 mW/g

**Channel 149 Test/Zoom Scan (7x7x9)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=2.5mm  
Reference Value = 9.30 V/m; Power Drift = -0.430 dB  
Peak SAR (extrapolated) = 6.36 W/kg  
**SAR(1 g) = 1.04 mW/g; SAR(10 g) = 0.203 mW/g**  
Maximum value of SAR (measured) = 2.57 mW/g



**SAR MEASUREMENT PLOT 18**

Ambient Temperature  
Liquid Temperature  
Humidity

20.1 Degrees Celsius  
19.7 Degrees Celsius  
38.0 %



Test Date: 07 August 2008

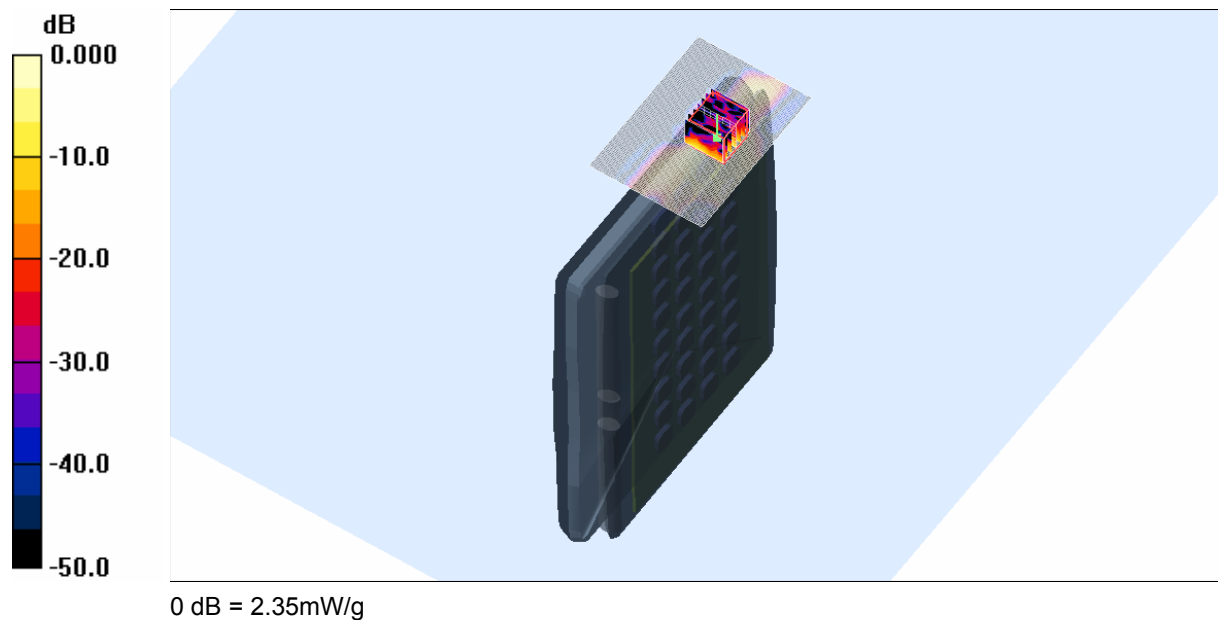
File Name: Edge On Left OFDM 5.8 GHz Antenna C 1dB Attenuation 07-08-08.da4

DUT: Fujitsu Tablet Hibiki with SP 3x3 abgn; Type: HMW\_533AN; Serial: MAC: 0016EA16277E

- \* Communication System: OFDM 5770 MHz; Frequency: 5785 MHz; Duty Cycle: 1:1
- \* Medium parameters used:  $f = 5786.2$  MHz;  $\sigma = 5.95$  mho/m;  $\epsilon_r = 43.9$ ;  $\rho = 1000$  kg/m<sup>3</sup>
- Electronics: DAE3 Sn442; Probe: EX3DV4 - SN3563; ConvF(3.71, 3.71, 3.71)
- Phantom: Flat Phantom 10.1; Serial: P 10.1; Phantom section: Flat 2.2 Section

**Channel 157 Test/Area Scan (71x101x1):** Measurement grid: dx=10mm, dy=10mm  
Maximum value of SAR (interpolated) = 2.03 mW/g

**Channel 157 Test/Zoom Scan (7x7x9)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=2.5mm  
Reference Value = 6.46 V/m; Power Drift = -0.491 dB  
Peak SAR (extrapolated) = 5.61 W/kg  
**SAR(1 g) = 0.929 mW/g; SAR(10 g) = 0.183 mW/g**  
Maximum value of SAR (measured) = 2.35 mW/g



**SAR MEASUREMENT PLOT 19**

Ambient Temperature  
Liquid Temperature  
Humidity

20.1 Degrees Celsius  
19.7 Degrees Celsius  
38.0 %



Test Date: 07 August 2008

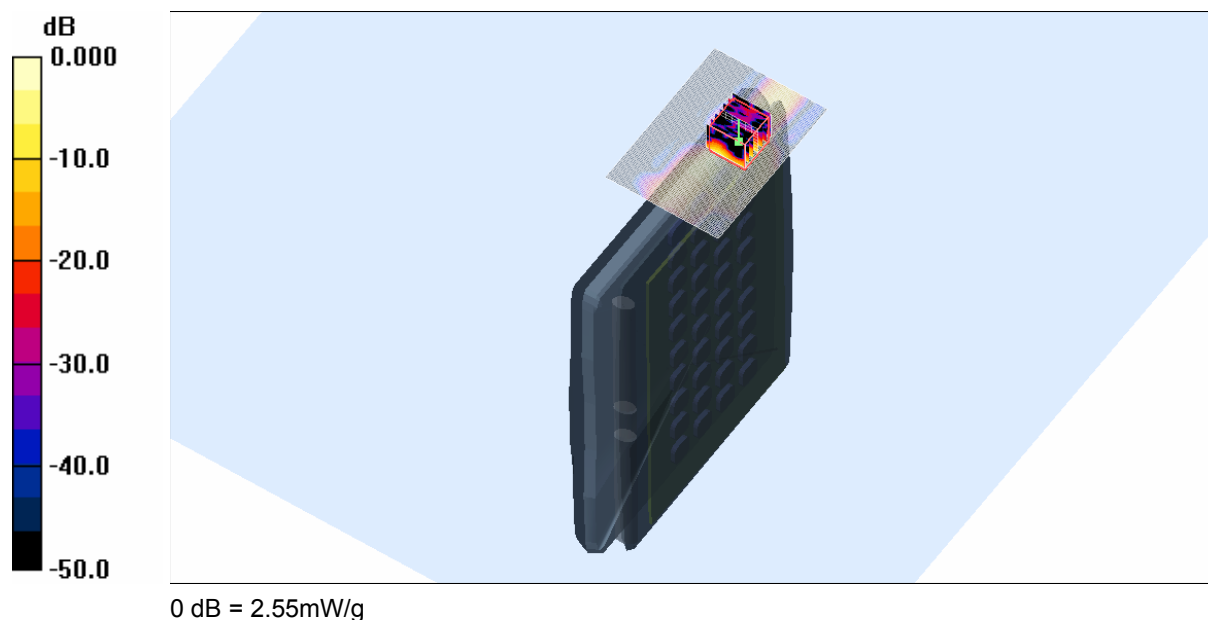
File Name: Edge On Left OFDM 5.8 GHz Antenna C 1dB Attenuation 07-08-08.da4

DUT: Fujitsu Tablet Hibiki with SP 3x3 abgn; Type: HMW\_533AN; Serial: MAC: 0016EA16277E

- \* Communication System: OFDM 5770 MHz; Frequency: 5825 MHz; Duty Cycle: 1:1
- \* Medium parameters used:  $f = 5830$  MHz;  $\sigma = 5.99$  mho/m;  $\epsilon_r = 43.7$ ;  $\rho = 1000$  kg/m<sup>3</sup>
- Electronics: DAE3 Sn442; Probe: EX3DV4 - SN3563; ConvF(3.71, 3.71, 3.71)
- Phantom: Flat Phantom 10.1; Serial: P 10.1; Phantom section: Flat 2.2 Section

**Channel 165 Test/Area Scan (71x101x1):** Measurement grid: dx=10mm, dy=10mm  
Maximum value of SAR (interpolated) = 1.99 mW/g

**Channel 165 Test/Zoom Scan (7x7x9)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=2.5mm  
Reference Value = 7.60 V/m; Power Drift = -0.463 dB  
Peak SAR (extrapolated) = 6.06 W/kg  
**SAR(1 g) = 0.962 mW/g; SAR(10 g) = 0.187 mW/g**  
Maximum value of SAR (measured) = 2.55 mW/g

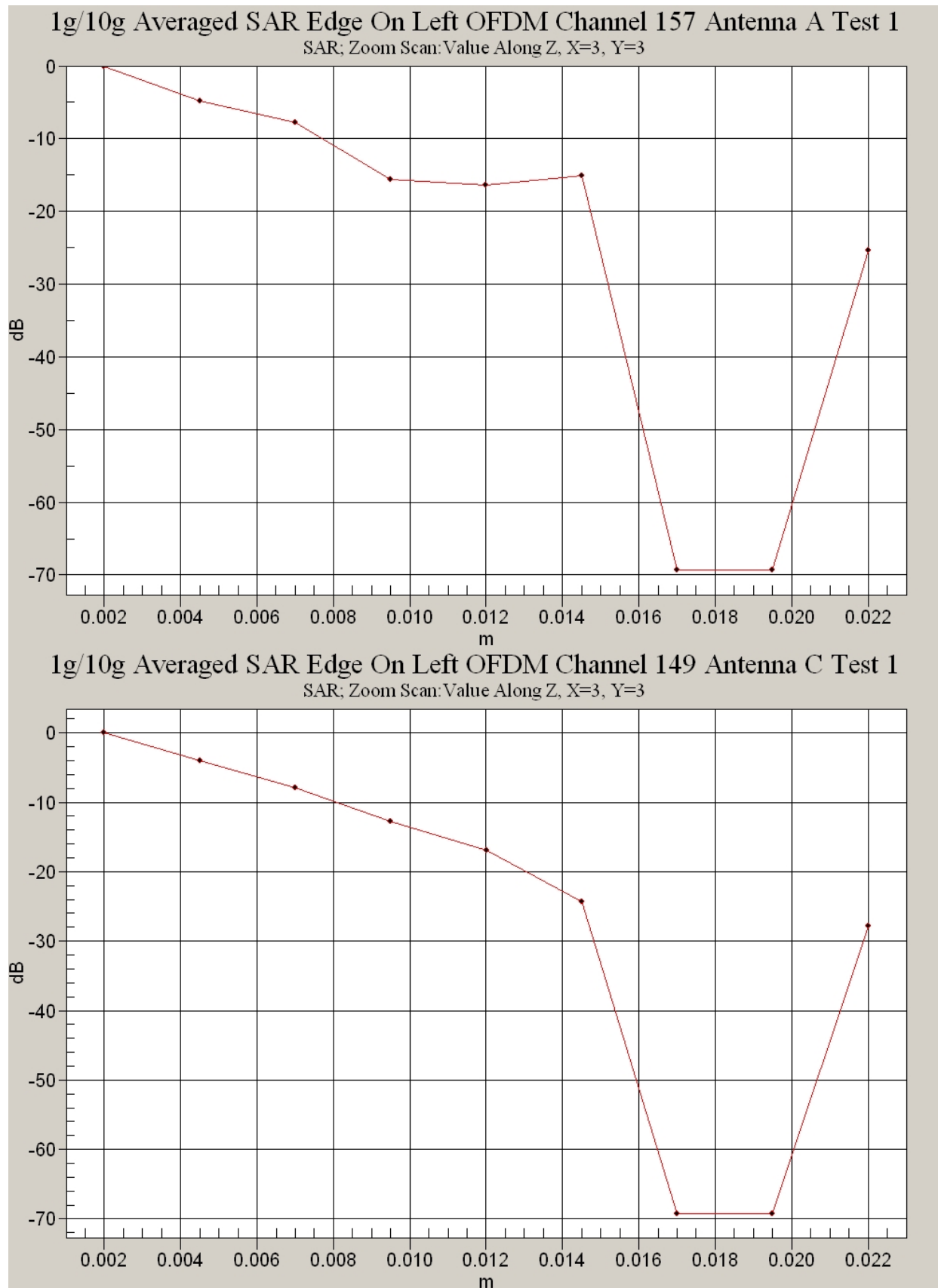


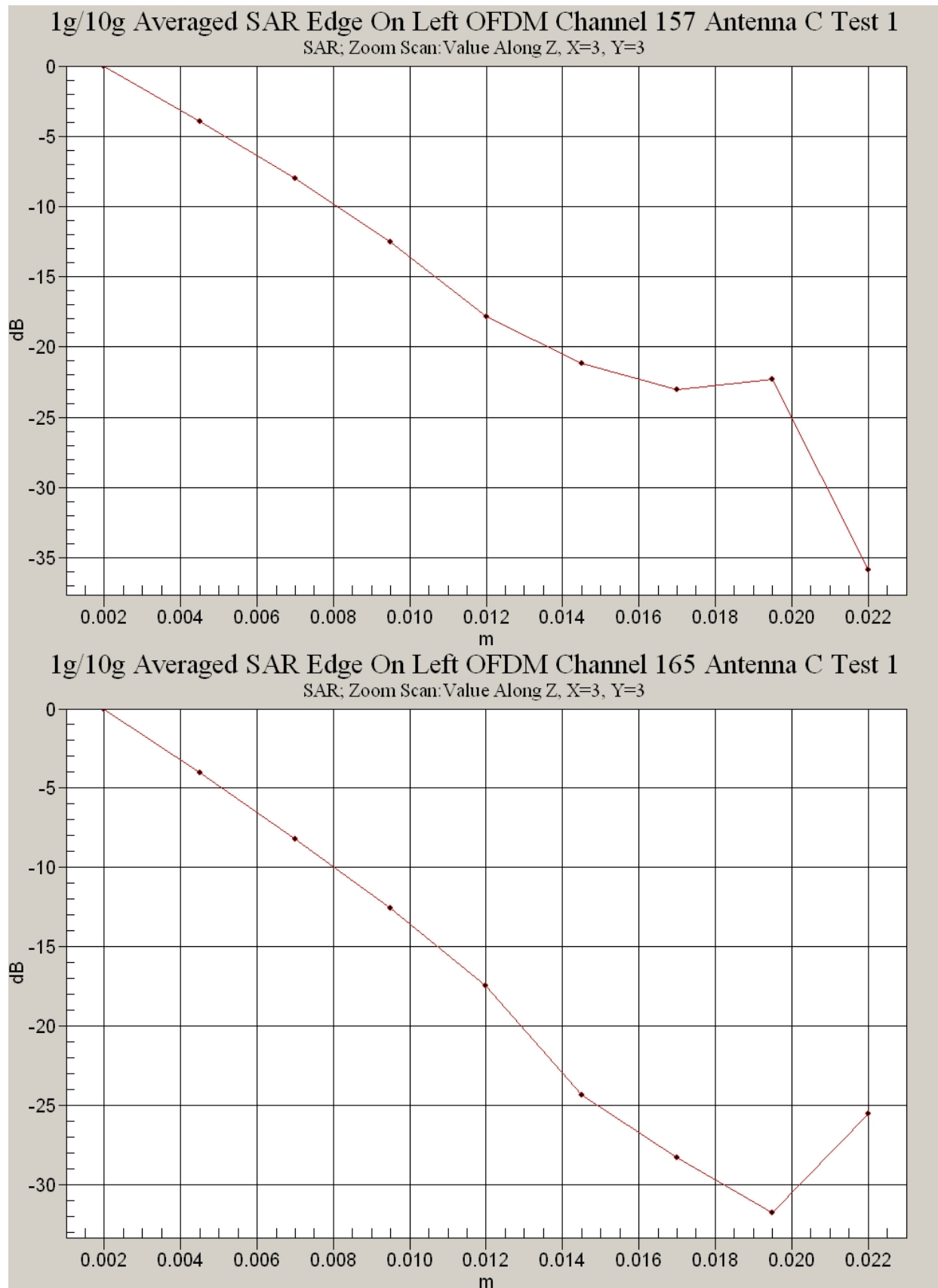
**SAR MEASUREMENT PLOT 20**

Ambient Temperature  
Liquid Temperature  
Humidity

20.1 Degrees Celsius  
19.7 Degrees Celsius  
38.0 %







Test Date: 07 August 2008

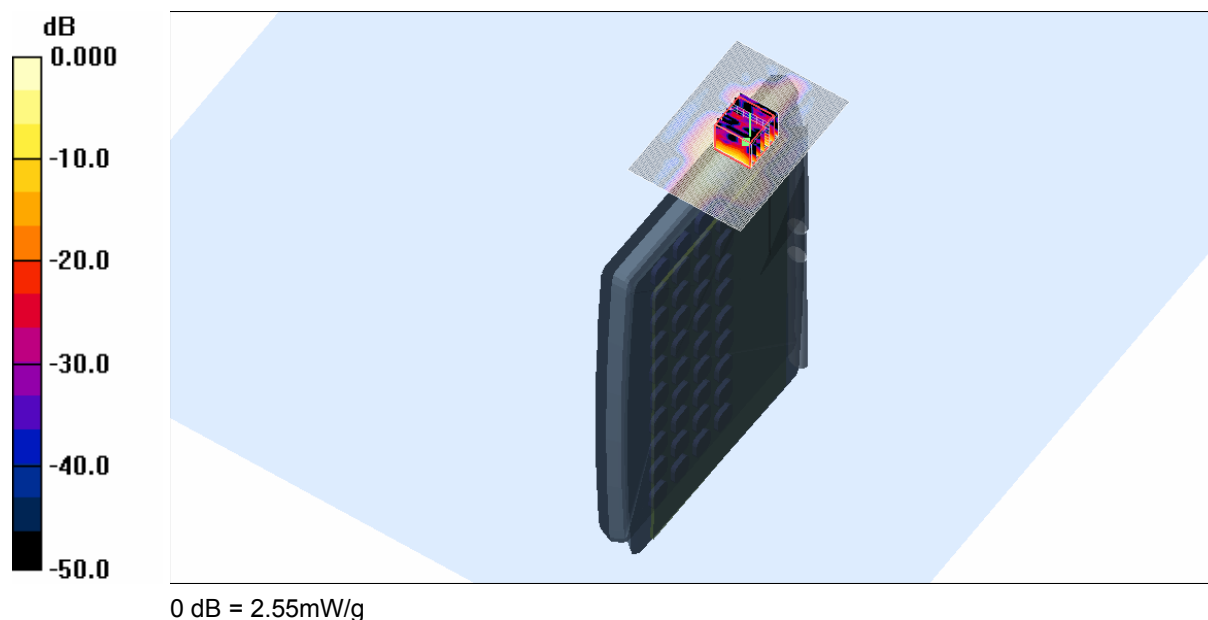
File Name: Edge On Right OFDM 5.8 GHz Antenna B 2dB Attenuation 07-08-08.da4

DUT: Fujitsu Tablet Hibiki with SP 3x3 abgn; Type: HMW\_533AN; Serial: MAC: 0016EA16277E

- \* Communication System: OFDM 5770 MHz; Frequency: 5745 MHz; Duty Cycle: 1:1
- \* Medium parameters used:  $f = 5742.4$  MHz;  $\sigma = 5.87$  mho/m;  $\epsilon_r = 44$ ;  $\rho = 1000$  kg/m<sup>3</sup>
- Electronics: DAE3 Sn442; Probe: EX3DV4 - SN3563; ConvF(3.71, 3.71, 3.71)
- Phantom: Flat Phantom 10.1; Serial: P 10.1; Phantom section: Flat 2.2 Section

**Channel 149 Test/Area Scan (71x101x1):** Measurement grid: dx=10mm, dy=10mm  
Maximum value of SAR (interpolated) = 2.93 mW/g

**Channel 149 Test/Zoom Scan (7x7x9)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=2.5mm  
Reference Value = 10.9 V/m; Power Drift = -0.202 dB  
Peak SAR (extrapolated) = 5.89 W/kg  
**SAR(1 g) = 1.04 mW/g; SAR(10 g) = 0.209 mW/g**  
Maximum value of SAR (measured) = 2.55 mW/g



**SAR MEASUREMENT PLOT 21**

Ambient Temperature  
Liquid Temperature  
Humidity

20.1 Degrees Celsius  
19.7 Degrees Celsius  
38.0 %



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Test Date: 07 August 2008

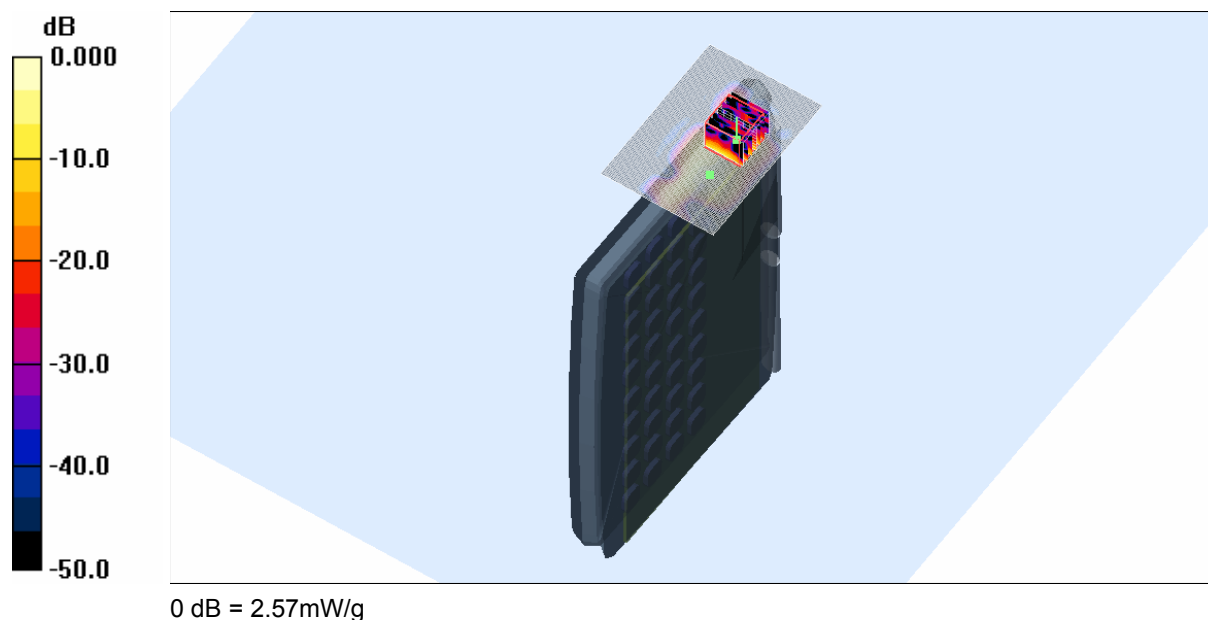
File Name: Edge On Right OFDM 5.8 GHz Antenna B 2dB Attenuation 07-08-08.da4

DUT: Fujitsu Tablet Hibiki with SP 3x3 abgn; Type: HMW\_533AN; Serial: MAC: 0016EA16277E

- \* Communication System: OFDM 5770 MHz; Frequency: 5785 MHz; Duty Cycle: 1:1
- \* Medium parameters used:  $f = 5786.2$  MHz;  $\sigma = 5.95$  mho/m;  $\epsilon_r = 43.9$ ;  $\rho = 1000$  kg/m<sup>3</sup>
- Electronics: DAE3 Sn442; Probe: EX3DV4 - SN3563; ConvF(3.71, 3.71, 3.71)
- Phantom: Flat Phantom 10.1; Serial: P 10.1; Phantom section: Flat 2.2 Section

**Channel 157 Test/Area Scan (71x101x1):** Measurement grid: dx=10mm, dy=10mm  
Maximum value of SAR (interpolated) = 1.71 mW/g

**Channel 157 Test/Zoom Scan (7x7x9)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=2.5mm  
Reference Value = 6.02 V/m; Power Drift = 0.063 dB  
Peak SAR (extrapolated) = 5.85 W/kg  
**SAR(1 g) = 1.04 mW/g; SAR(10 g) = 0.199 mW/g**  
Maximum value of SAR (measured) = 2.57 mW/g



**SAR MEASUREMENT PLOT 22**

Ambient Temperature  
Liquid Temperature  
Humidity

20.1 Degrees Celsius  
19.7 Degrees Celsius  
38.0 %



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Test Date: 07 August 2008

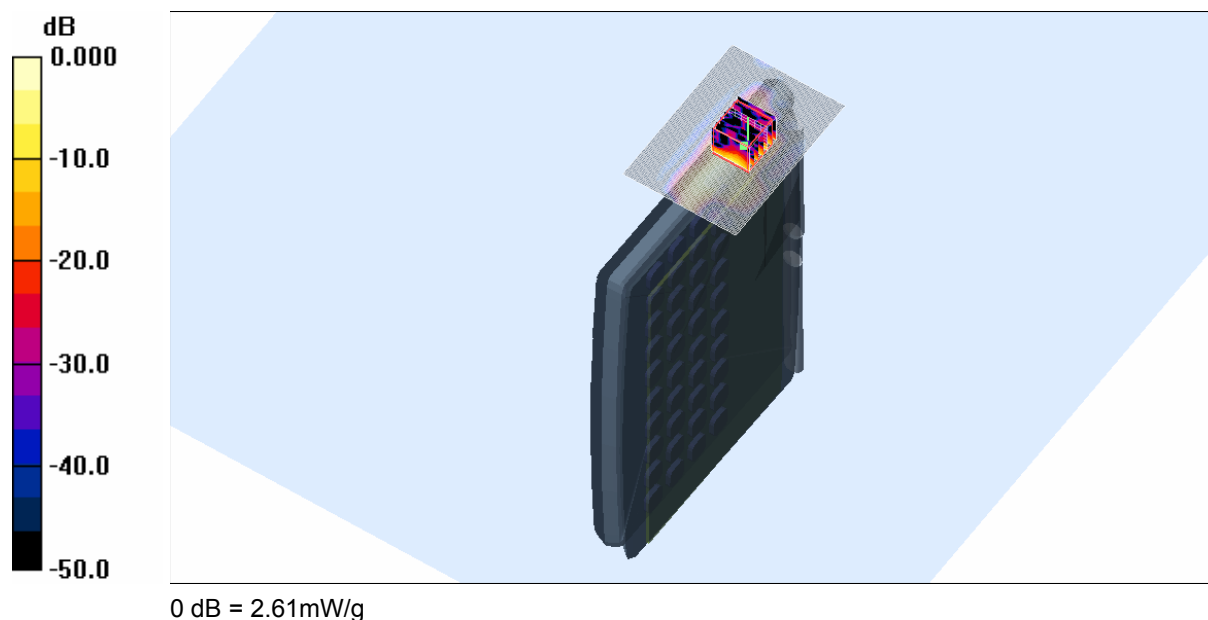
File Name: Edge On Right OFDM 5.8 GHz Antenna B 2dB Attenuation 07-08-08.da4

DUT: Fujitsu Tablet Hibiki with SP 3x3 abgn; Type: HMW\_533AN; Serial: MAC: 0016EA16277E

- \* Communication System: OFDM 5770 MHz; Frequency: 5825 MHz; Duty Cycle: 1:1
- \* Medium parameters used:  $f = 5830$  MHz;  $\sigma = 5.99$  mho/m;  $\epsilon_r = 43.7$ ;  $\rho = 1000$  kg/m<sup>3</sup>
- Electronics: DAE3 Sn442; Probe: EX3DV4 - SN3563; ConvF(3.71, 3.71, 3.71)
- Phantom: Flat Phantom 10.1; Serial: P 10.1; Phantom section: Flat 2.2 Section

**Channel 165 Test/Area Scan (71x101x1):** Measurement grid: dx=10mm, dy=10mm  
Maximum value of SAR (interpolated) = 2.22 mW/g

**Channel 165 Test/Zoom Scan (7x7x9)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=2.5mm  
Reference Value = 11.5 V/m; Power Drift = -0.485 dB  
Peak SAR (extrapolated) = 5.73 W/kg  
**SAR(1 g) = 0.982 mW/g; SAR(10 g) = 0.192 mW/g**  
Maximum value of SAR (measured) = 2.61 mW/g



**SAR MEASUREMENT PLOT 23**

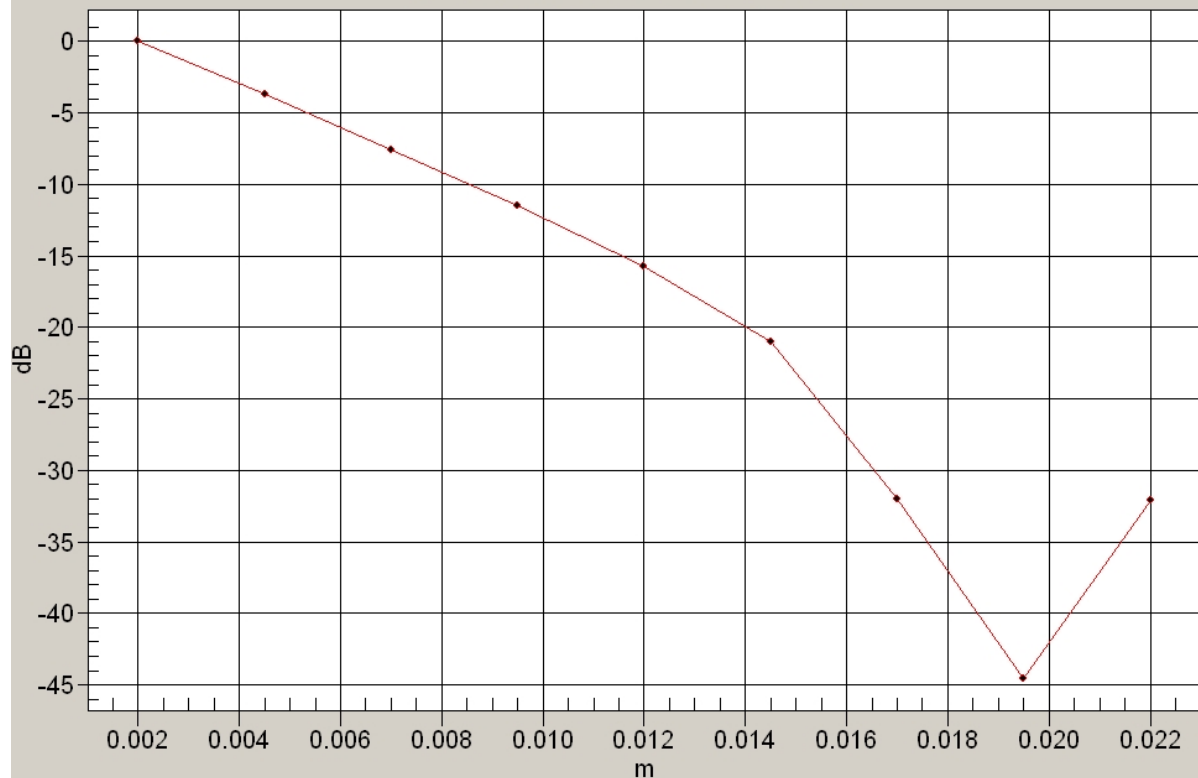
Ambient Temperature  
Liquid Temperature  
Humidity

20.1 Degrees Celsius  
19.7 Degrees Celsius  
38.0 %



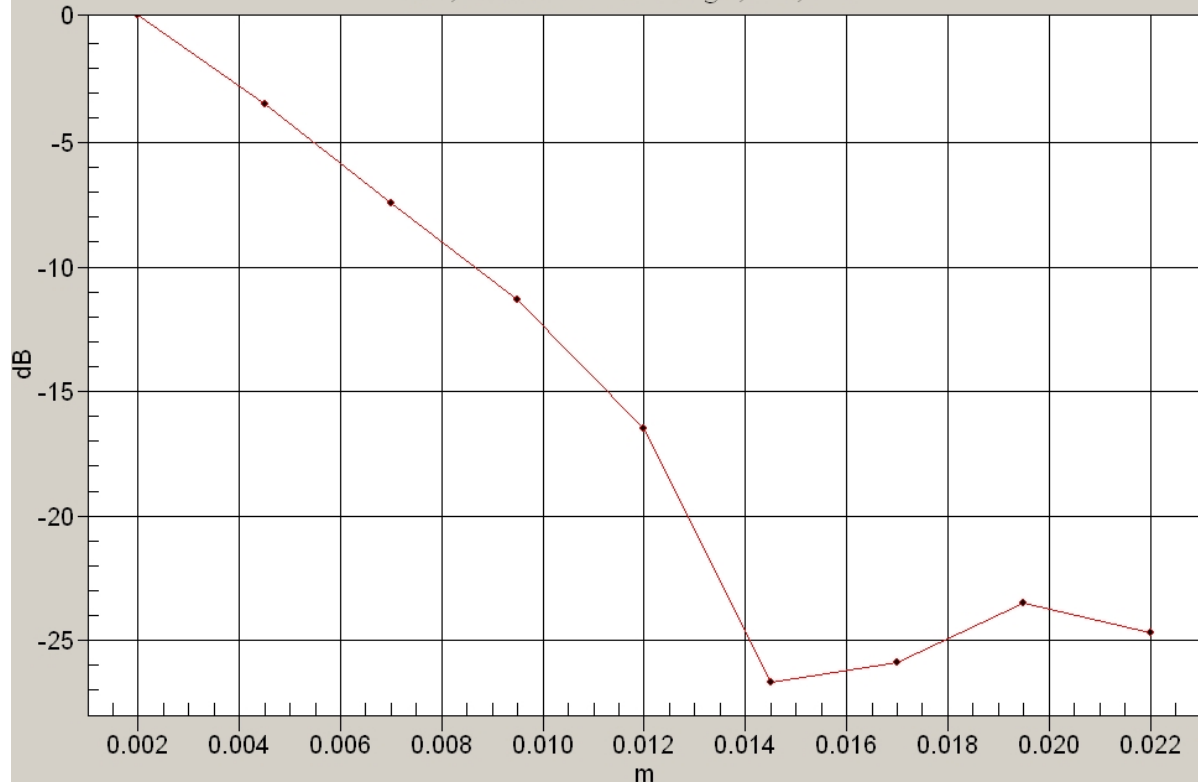
### 1g/10g Averaged SAR Edge On Right OFDM Channel 149 Antenna B Test 1

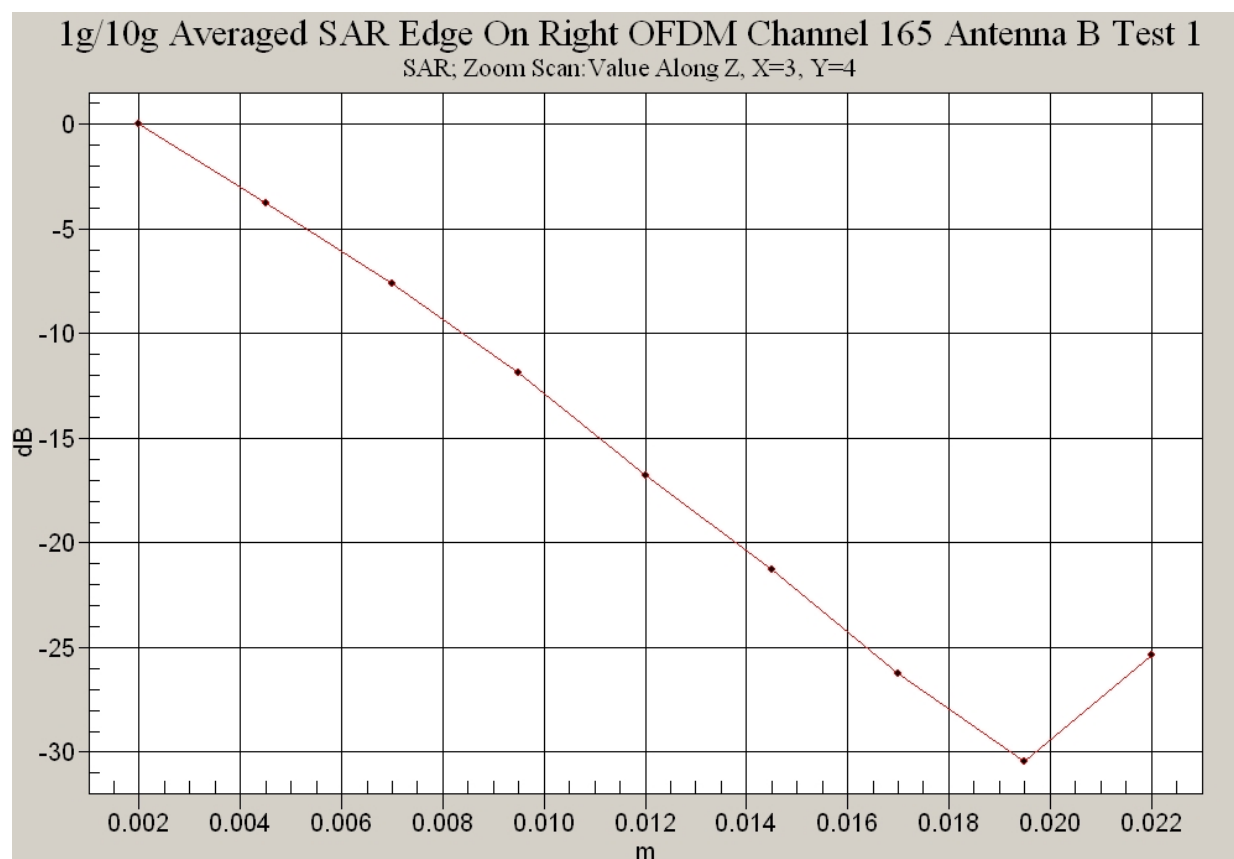
SAR; Zoom Scan: Value Along Z, X=3, Y=4



### 1g/10g Averaged SAR Edge On Right OFDM Channel 157 Antenna B Test 1

SAR; Zoom Scan: Value Along Z, X=3, Y=3





Test Date: 05 August 2008

File Name: Validation 5200MHz (DAE 442 Probe EX3DV4) 05-08-08.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:  $f = 5202.2$  MHz;  $\sigma = 4.67$  mho/m;  $\epsilon_r = 35.8$ ;  $\rho = 1000$  kg/m<sup>3</sup>

- Electronics: DAE3 Sn442; Probe: EX3DV4 - SN3563; ConvF(4.3, 4.3, 4.3)

- 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) = 48.1 mW/g

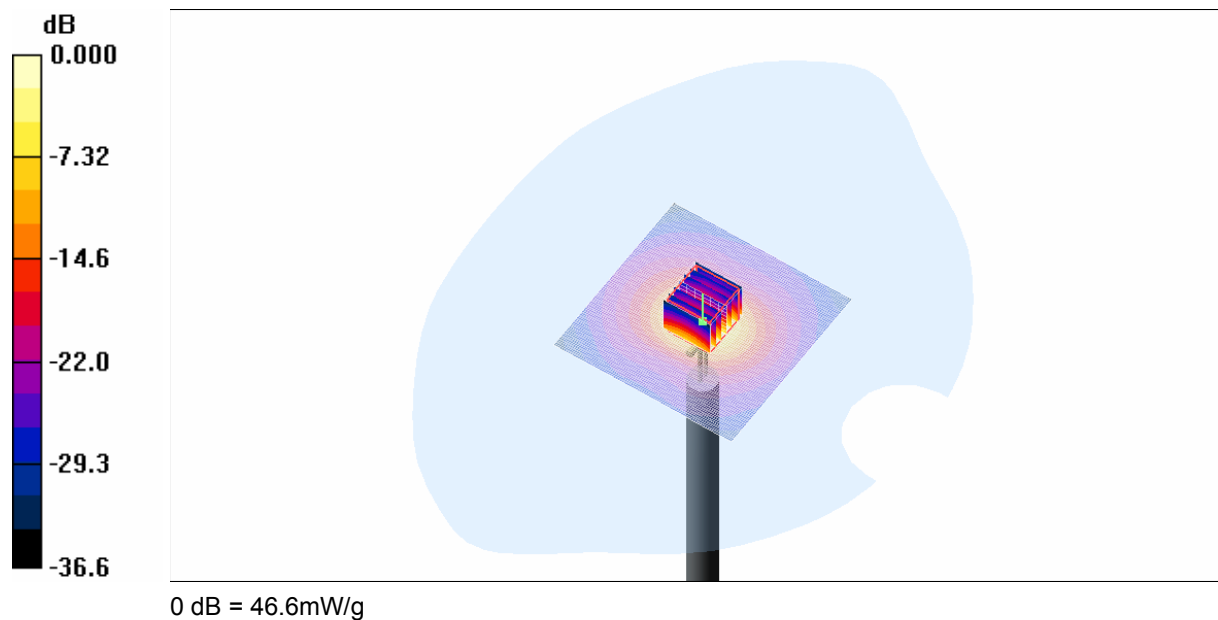
**Channel 1 Test/Zoom Scan (7x7x9)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 106.1 V/m; Power Drift = 0.037 dB

Peak SAR (extrapolated) = 86.4 W/kg

**SAR(1 g) = 22.4 mW/g; SAR(10 g) = 6.38 mW/g**

Maximum value of SAR (measured) = 46.6 mW/g



**SAR MEASUREMENT PLOT 24**

Ambient Temperature  
Liquid Temperature  
Humidity

20.3 Degrees Celsius  
20.2 Degrees Celsius  
34.0 %



Test Date: 06 August 2008

File Name: Validation 5200MHz (DAE 442 Probe EX3DV4) 06-08-08.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:  $f = 5202.2$  MHz;  $\sigma = 4.84$  mho/m;  $\epsilon_r = 35.7$ ;  $\rho = 1000$  kg/m<sup>3</sup>

- Electronics: DAE3 Sn442; Probe: EX3DV4 - SN3563; ConvF(4.3, 4.3, 4.3)

- 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) = 47.9 mW/g

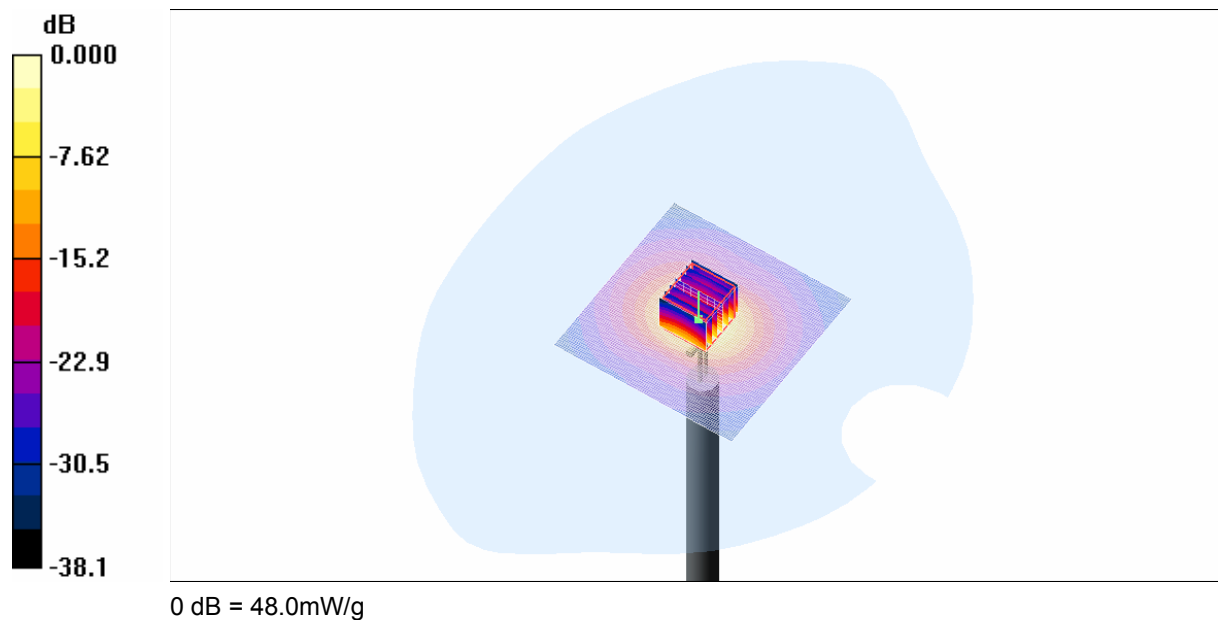
**Channel 1 Test/Zoom Scan (7x7x9)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 102.8 V/m; Power Drift = 0.136 dB

Peak SAR (extrapolated) = 90.0 W/kg

**SAR(1 g) = 22.7 mW/g; SAR(10 g) = 6.41 mW/g**

Maximum value of SAR (measured) = 48.0 mW/g



**SAR MEASUREMENT PLOT 25**

Ambient Temperature  
Liquid Temperature  
Humidity

20.1 Degrees Celsius  
19.8 Degrees Celsius  
40.0 %



Test Date: 04 August 2008

File Name: Validation 5500MHz (DAE 442 Probe EX3DV4) 04-08-08.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:  $f = 5494.2$  MHz;  $\sigma = 5.06$  mho/m;  $\epsilon_r = 35.1$ ;  $\rho = 1000$  kg/m<sup>3</sup>

- Electronics: DAE3 Sn442; Probe: EX3DV4 - SN3563; ConvF(4, 4, 4)

- 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) = 45.4 mW/g

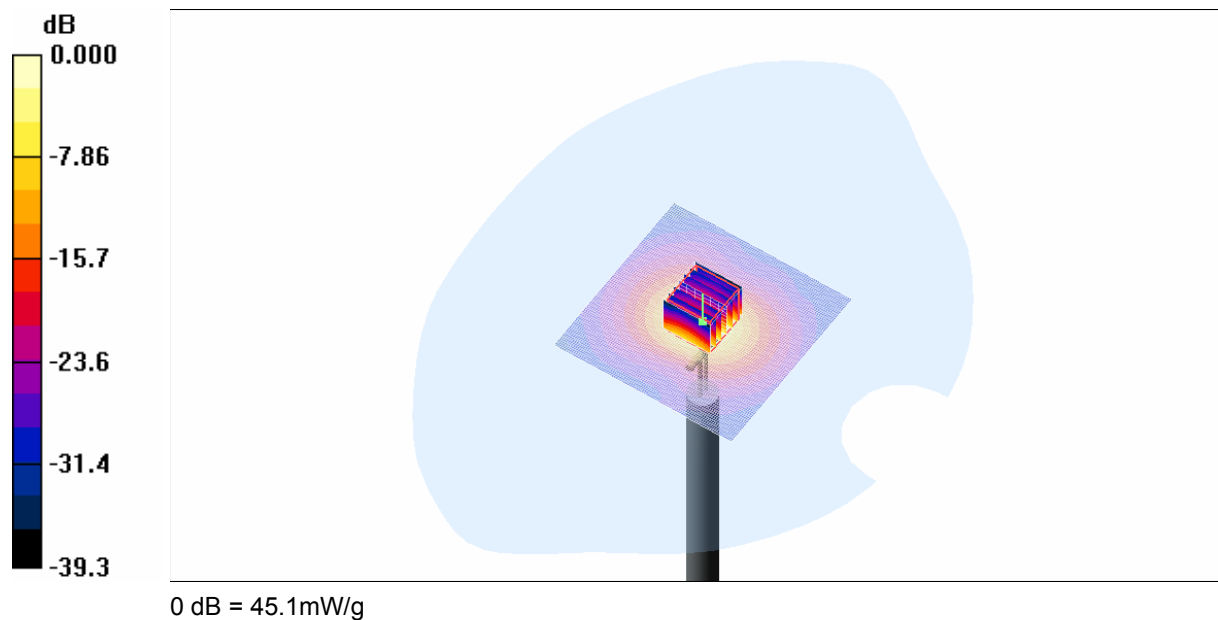
**Channel 1 Test/Zoom Scan (7x7x9)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 101.3 V/m; Power Drift = 0.017 dB

Peak SAR (extrapolated) = 87.5 W/kg

**SAR(1 g) = 21.3 mW/g; SAR(10 g) = 6.08 mW/g**

Maximum value of SAR (measured) = 45.1 mW/g



**SAR MEASUREMENT PLOT 26**

Ambient Temperature  
Liquid Temperature  
Humidity

20.7 Degrees Celsius  
20.3 Degrees Celsius  
41.0 %



Test Date: 07 August 2008

File Name: Validation 5800MHz (DAE 442 Probe EX3DV4) 07-08-08.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:  $f = 5800.8$  MHz;  $\sigma = 5.43$  mho/m;  $\epsilon_r = 34$ ;  $\rho = 1000$  kg/m<sup>3</sup>

- Electronics: DAE3 Sn442; Probe: EX3DV4 - SN3563; ConvF(3.87, 3.87, 3.87)

- 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) = 45.9 mW/g

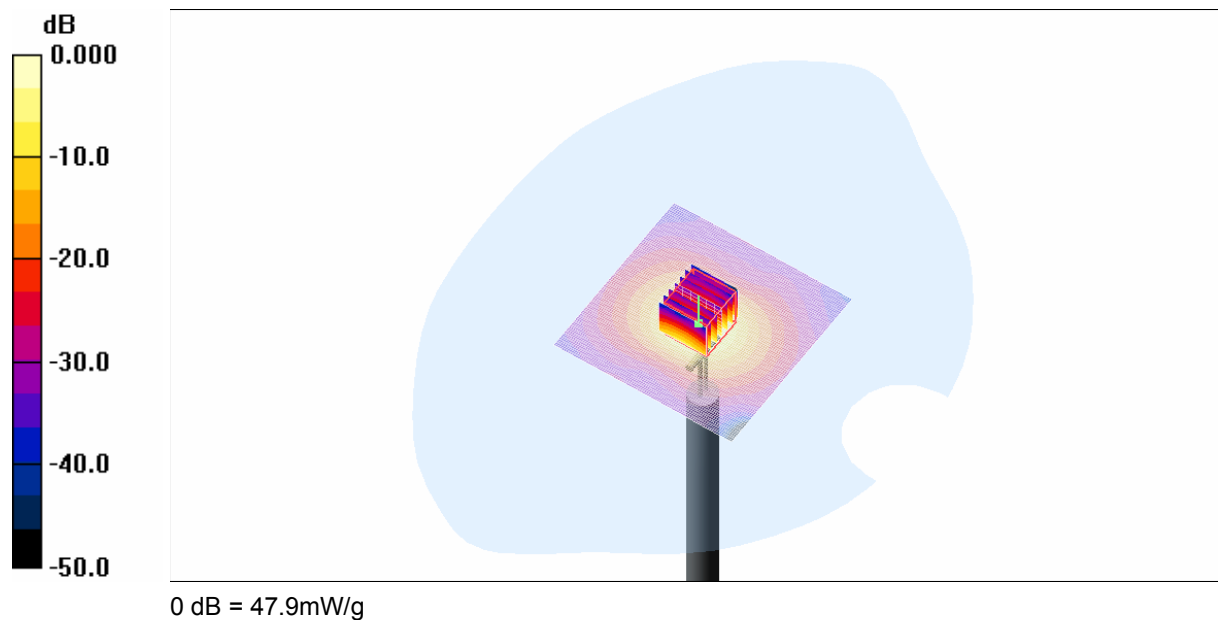
**Channel 1 Test/Zoom Scan (7x7x9)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 95.3 V/m; Power Drift = 0.051 dB

Peak SAR (extrapolated) = 99.9 W/kg

**SAR(1 g) = 22.3 mW/g; SAR(10 g) = 6.26 mW/g**

Maximum value of SAR (measured) = 47.9 mW/g



**SAR MEASUREMENT PLOT 27**

Ambient Temperature  
Liquid Temperature  
Humidity

20.1 Degrees Celsius  
19.7 Degrees Celsius  
38.0 %



