

## APPENDIX B PLOTS OF THE SAR MEASUREMENTS

Plots of the measured SAR distributions inside the phantom are given in this Appendix for all tested configurations. The spatial peak SAR values were assessed with the procedure described in this report.

**Table 15: 450MHz Band SAR Measurement Plot Numbers**

<b>Plot 1</b>	Belt Clip Position
<b>Plot 2</b>	Belt Clip Position
<b>Plot 3</b>	Belt Clip Position
<b>Plot 4</b>	Belt Clip Position
<b>Plot 5</b>	Belt Clip Position
	Z-Axis Graphs for Plots 1 to 5
<b>Plot 6</b>	Belt Clip Position with Pouch
<b>Plot 7</b>	Belt Clip Position with Pouch
<b>Plot 8</b>	Belt Clip Position with Pouch
<b>Plot 9</b>	Belt Clip Position with Pouch
<b>Plot 10</b>	Belt Clip Position with Pouch
	Z-Axis Graphs for Plots 5 to 10
<b>Plot 11</b>	Belt Clip Position with Speaker Microphone
<b>Plot 12</b>	Belt Clip Position with Speaker Microphone
<b>Plot 13</b>	Belt Clip Position with Speaker Microphone
<b>Plot 14</b>	Belt Clip Position with Speaker Microphone
<b>Plot 15</b>	Belt Clip Position with Speaker Microphone

Z-Axis Graphs for Plots 10 to 15



**Table 16: 450MHz Band SAR Measurement Plot Numbers**

<b>Plot 16</b>	Face Frontal Position
<b>Plot 17</b>	Face Frontal Position
<b>Plot 18</b>	Face Frontal Position
<b>Plot 19</b>	Face Frontal Position
<b>Plot 20</b>	Face Frontal Position

Z-Axis Graphs for Plots 15 to 20

<b>Plot 21</b>	Face Frontal Position with speaker Microphone
<b>Plot 22</b>	Face Frontal Position with speaker Microphone
<b>Plot 23</b>	Face Frontal Position with speaker Microphone
<b>Plot 24</b>	Face Frontal Position with speaker Microphone
<b>Plot 25</b>	Face Frontal Position with speaker Microphone

Z-Axis Graphs for Plots 20 to 25

**Table 17: 450MHz Validation Plot Numbers**

<b>Plot 26</b>	Validation 450MHz 10 <sup>th</sup> August 2004
<b>Plot 27</b>	Validation 450MHz 11 <sup>th</sup> August 2004
<b>Plot 28</b>	Validation 450MHz 12 <sup>th</sup> August 2004

Z-Axis Graphs for Plots 26 to 28



Test Date: 10 August 2004

File Name: [450 MHz Belt Clip \(DAE442 Probe1377\) Ant Wide Band 10-08-04.da4](#)

DUT: Tait Transceiver Ant. Wide Band; Type: TPAH6A; Serial: 21000002

\* Communication System: CW 450 MHz; Frequency: 450 MHz; Duty Cycle: 1:1

\* Medium parameters used:  $\sigma = 0.895242$ ; mho/m,  $\epsilon_r = 56.1845$ ;  $\rho = 1000 \text{ kg/m}^3$

- Electronics: DAE3 Sn442; Probe: ET3DV6 - SN1377; ConvF(7.1, 7.1, 7.1)

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

**Channel 1 Test/Area Scan (81x181x1):** Measurement grid: dx=20mm, dy=20mm

Reference Value = 35.5 V/m; Power Drift = -0.5 dB

Maximum value of SAR (interpolated) = 2.84 mW/g

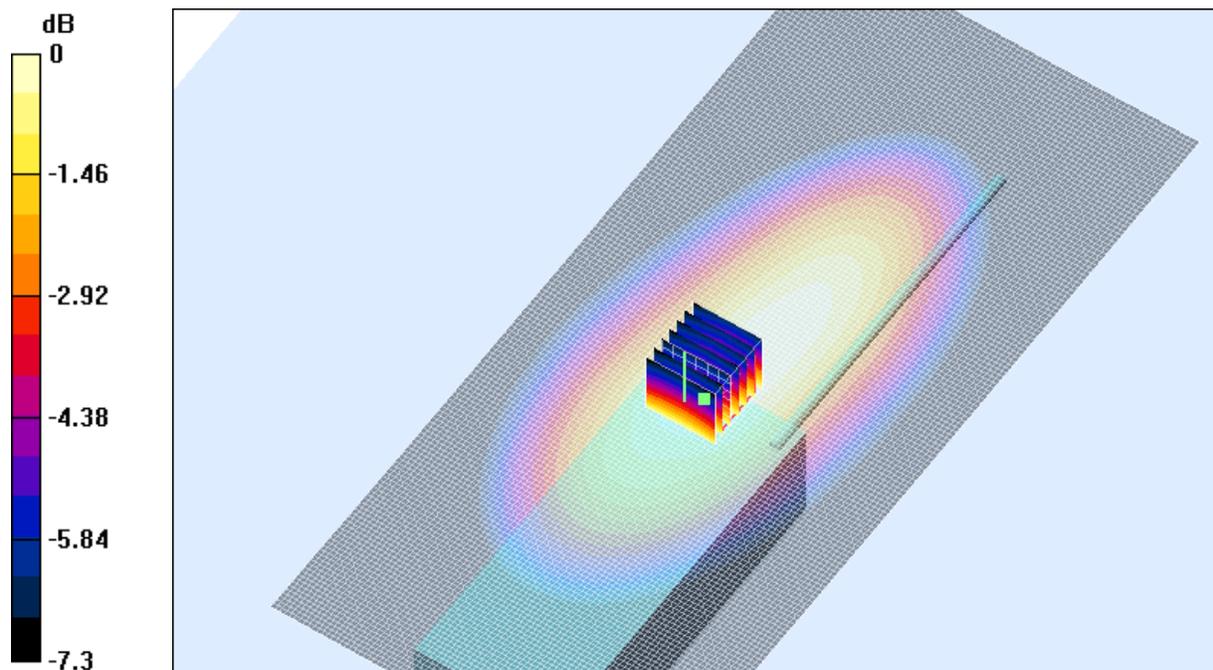
**Channel 1 Test/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 35.5 V/m; Power Drift = -0.5 dB

Maximum value of SAR (measured) = 2.76 mW/g

Peak SAR (extrapolated) = 4.1 W/kg

**SAR(1 g) = 2.65 mW/g; SAR(10 g) = 1.94 mW/g**



0 dB = 2.76mW/g

**SAR MEASUREMENT PLOT 1**

Ambient Temperature  
Liquid Temperature  
Humidity

20.0 Degrees Celsius  
19.4 Degrees Celsius  
41.0 %



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Test Date: 10 August 2004

File Name: [450 MHz Belt Clip \(DAE442 Probe1377\) Ant Wide Band 10-08-04.da4](#)

DUT: Tait Transceiver Ant. Wide Band; Type: TPAH6A; Serial: 21000002

\* Communication System: CW 450 MHz; Frequency: 485 MHz; Duty Cycle: 1:1

\* Medium parameters used:  $\sigma = 0.92202$ ; mho/m,  $\epsilon_r = 55.5987$ ;  $\rho = 1000 \text{ kg/m}^3$

- Electronics: DAE3 Sn442; Probe: ET3DV6 - SN1377; ConvF(7.1, 7.1, 7.1)

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

**Channel 2 Test/Area Scan (81x181x1):** Measurement grid: dx=20mm, dy=20mm

Reference Value = 45.4 V/m; Power Drift = -0.2 dB

Maximum value of SAR (interpolated) = 5.11 mW/g

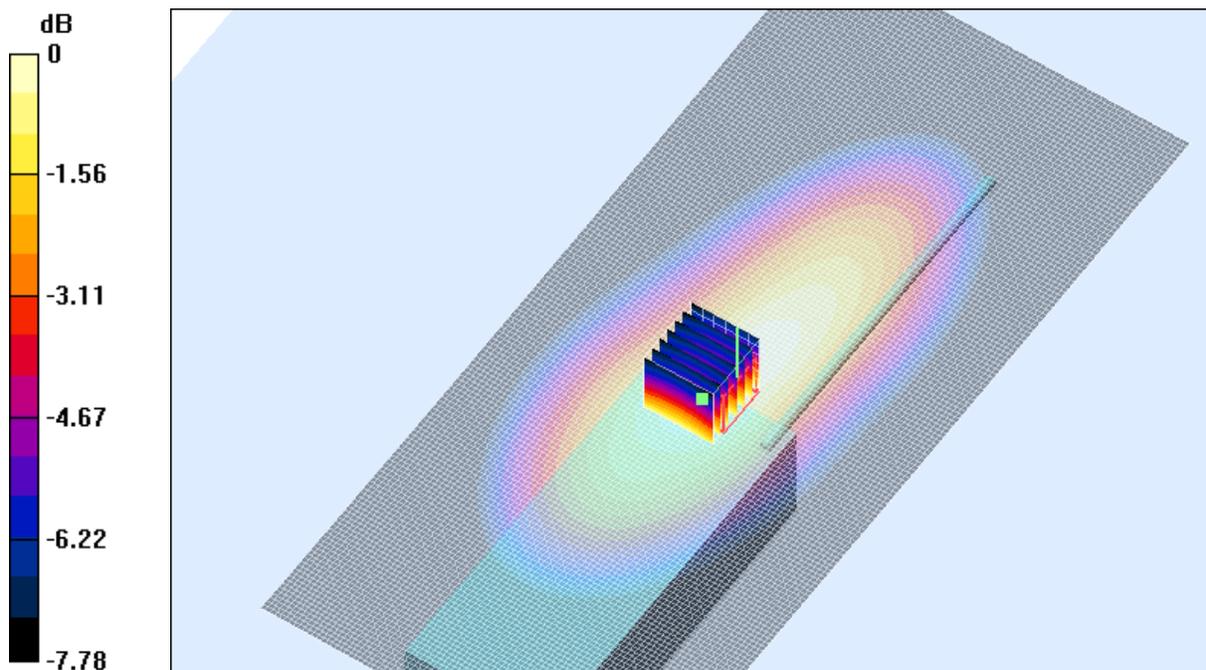
**Channel 2 Test/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 45.4 V/m; Power Drift = -0.2 dB

Maximum value of SAR (measured) = 5.09 mW/g

Peak SAR (extrapolated) = 7.46 W/kg

**SAR(1 g) = 4.83 mW/g; SAR(10 g) = 3.53 mW/g**



0 dB = 5.09mW/g

**SAR MEASUREMENT PLOT 2**

Ambient Temperature  
Liquid Temperature  
Humidity

20.0 Degrees Celsius  
19.4 Degrees Celsius  
41.0 %



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Test Date: 10 August 2004

File Name: [450 MHz Belt Clip \(DAE442 Probe1377\) Ant Wide Band 10-08-04.da4](#)

DUT: Tait Transceiver Ant. Wide Band; Type: TPAH6A; Serial: 21000002

\* Communication System: CW 450 MHz; Frequency: 520 MHz; Duty Cycle: 1:1

\* Medium parameters used:  $\sigma = 0.95492$ ; mho/m,  $\epsilon_r = 55.0685$ ;  $\rho = 1000 \text{ kg/m}^3$

- Electronics: DAE3 Sn442; Probe: ET3DV6 - SN1377; ConvF(7.1, 7.1, 7.1)

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

**Channel 3 Test/Area Scan (81x181x1):** Measurement grid: dx=20mm, dy=20mm

Reference Value = 26.9 V/m; Power Drift = -0.3 dB

Maximum value of SAR (interpolated) = 2.13 mW/g

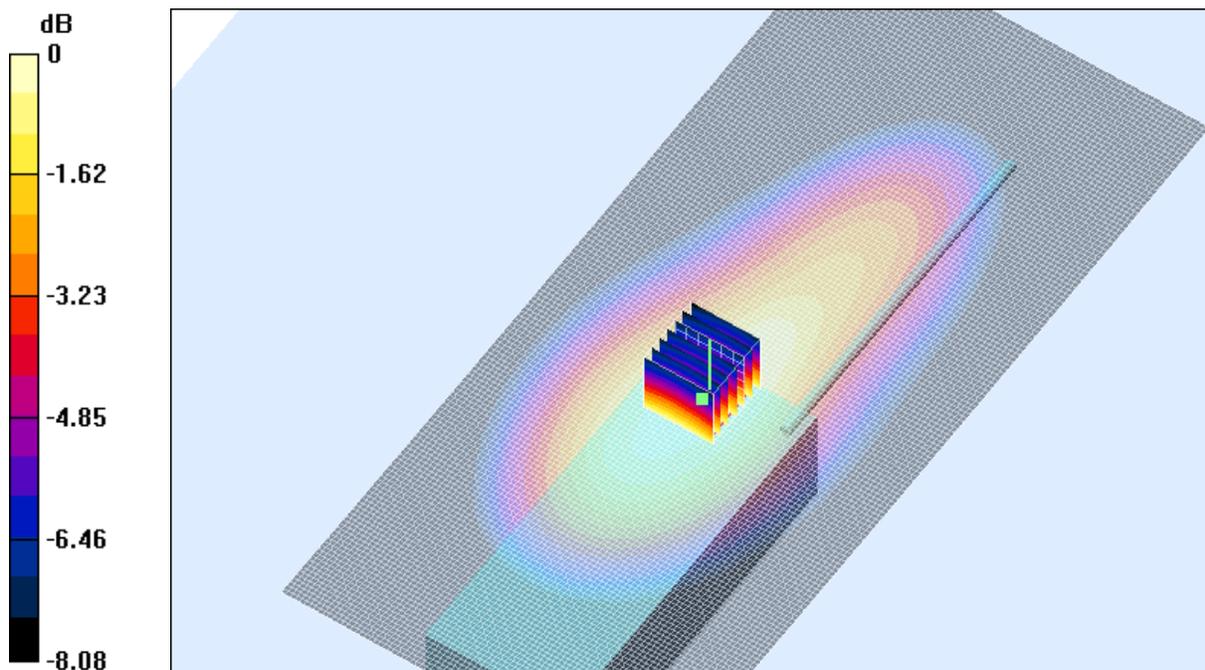
**Channel 3 Test/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 26.9 V/m; Power Drift = -0.3 dB

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

Peak SAR (extrapolated) = 3.16 W/kg

**SAR(1 g) = 2 mW/g; SAR(10 g) = 1.43 mW/g**



0 dB = 2.09mW/g

**SAR MEASUREMENT PLOT 3**

Ambient Temperature  
Liquid Temperature  
Humidity

20.0 Degrees Celsius  
19.4 Degrees Celsius  
41.0 %



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Test Date: 10 August 2004

File Name: [450 MHz Belt Clip \(DAE442 Probe1377\) Ant 435-470 MHz 10-08-04.da4](#)

DUT: Tait Transceiver Ant. 435-470 MHz; Type: TPAH6A; Serial: 21000002

\* Communication System: CW 450 MHz; Frequency: 450 MHz; Duty Cycle: 1:1

\* Medium parameters used:  $\sigma = 0.895242$ ; mho/m,  $\epsilon_r = 56.1845$ ;  $\rho = 1000 \text{ kg/m}^3$

- Electronics: DAE3 Sn442; Probe: ET3DV6 - SN1377; ConvF(7.1, 7.1, 7.1)

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

**Channel 1 Test/Area Scan (81x171x1):** Measurement grid: dx=20mm, dy=20mm

Reference Value = 47.4 V/m; Power Drift = -0.3 dB

Maximum value of SAR (interpolated) = 3.53 mW/g

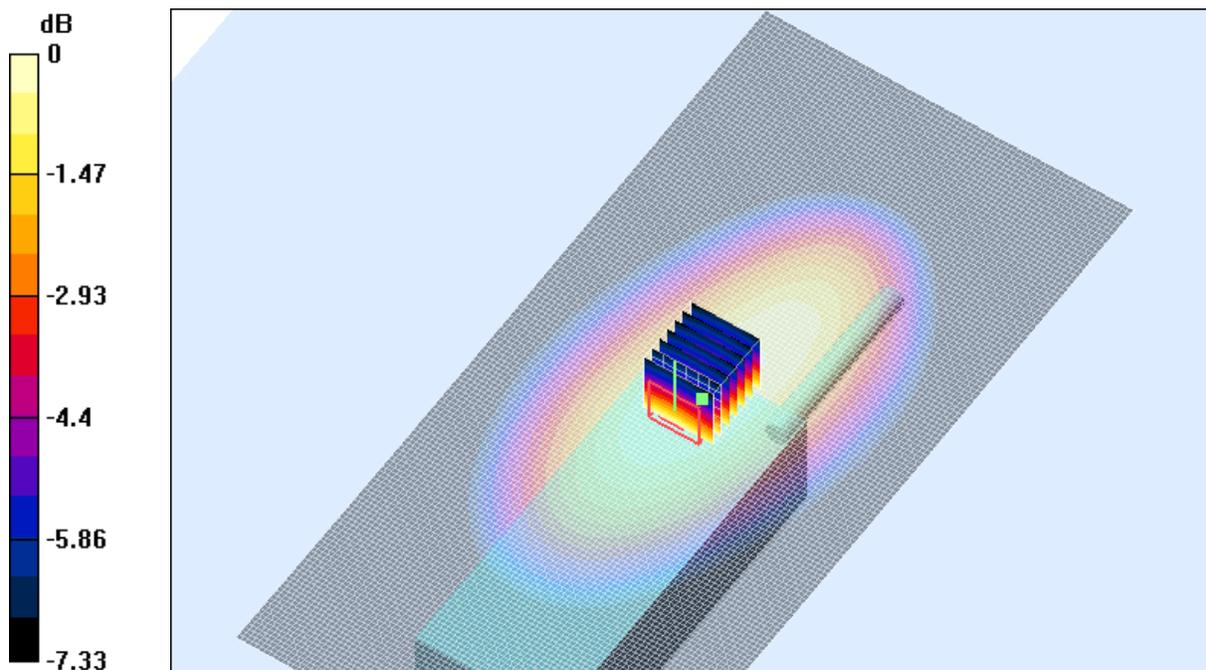
**Channel 1 Test/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 47.4 V/m; Power Drift = -0.3 dB

Maximum value of SAR (measured) = 3.68 mW/g

Peak SAR (extrapolated) = 5.44 W/kg

**SAR(1 g) = 3.51 mW/g; SAR(10 g) = 2.55 mW/g**



0 dB = 3.68mW/g

**SAR MEASUREMENT PLOT 4**

Ambient Temperature  
Liquid Temperature  
Humidity

20.0 Degrees Celsius  
19.4 Degrees Celsius  
41.0 %



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Test Date: 10 August 2004

File Name: [450 MHz Belt Clip \(DAE442 Probe1377\) Ant 470-520 MHz 10-08-04.da4](#)

DUT: Tait Transceiver Ant. 470-520 MHz; Type: TPAH6A; Serial: 21000002

\* Communication System: CW 450 MHz; Frequency: 485 MHz; Duty Cycle: 1:1

\* Medium parameters used:  $\sigma = 0.92202$ ; mho/m,  $\epsilon_r = 55.5987$ ;  $\rho = 1000 \text{ kg/m}^3$

- Electronics: DAE3 Sn442; Probe: ET3DV6 - SN1377; ConvF(7.1, 7.1, 7.1)

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

**Channel 2 Test/Area Scan (81x171x1):** Measurement grid: dx=20mm, dy=20mm

Reference Value = 43 V/m; Power Drift = -0.4 dB

Maximum value of SAR (interpolated) = 3.17 mW/g

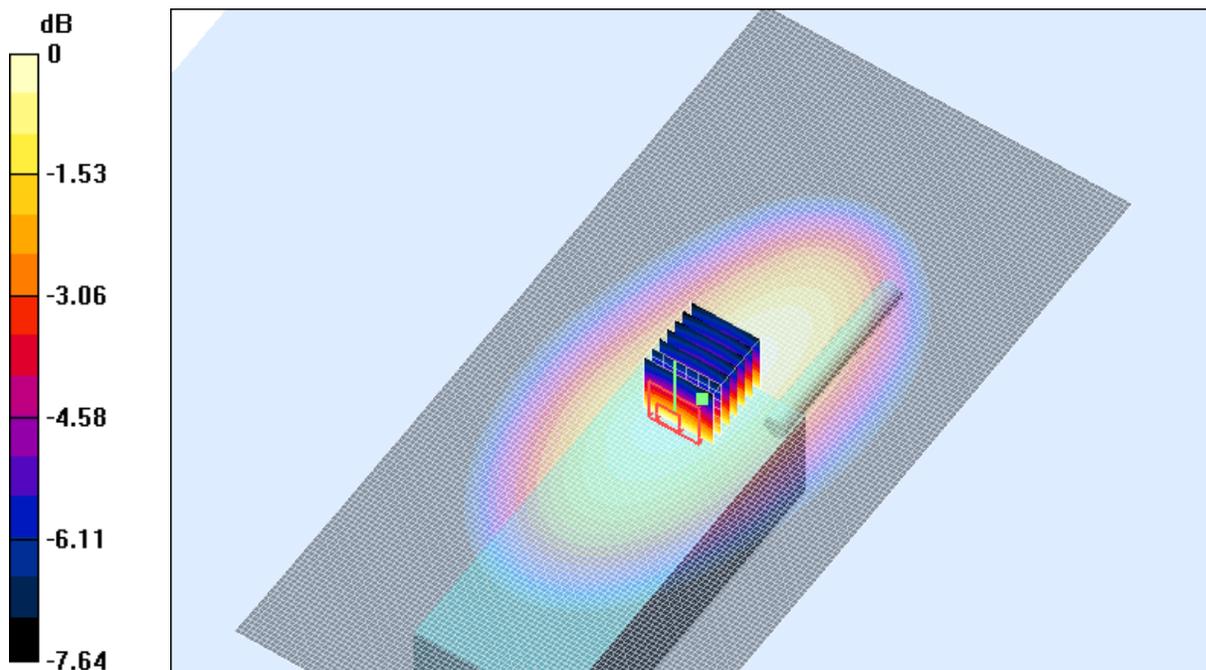
**Channel 2 Test/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 43 V/m; Power Drift = -0.4 dB

Maximum value of SAR (measured) = 3.16 mW/g

Peak SAR (extrapolated) = 4.64 W/kg

**SAR(1 g) = 3.01 mW/g; SAR(10 g) = 2.18 mW/g**



0 dB = 3.16mW/g

**SAR MEASUREMENT PLOT 5**

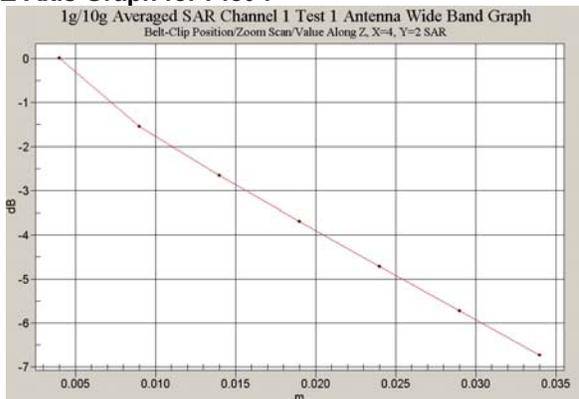
Ambient Temperature  
Liquid Temperature  
Humidity

20.0 Degrees Celsius  
19.4 Degrees Celsius  
41.0 %

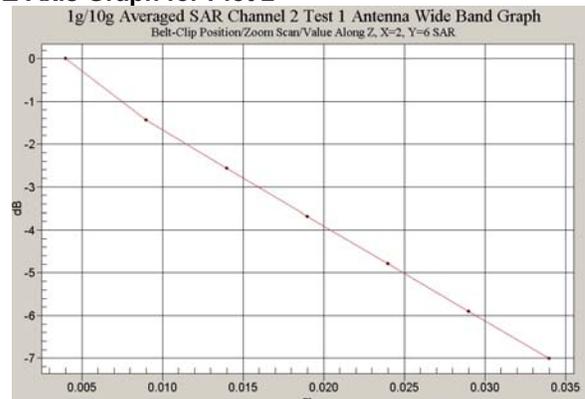


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**Z-Axis Graph for Plot 1**



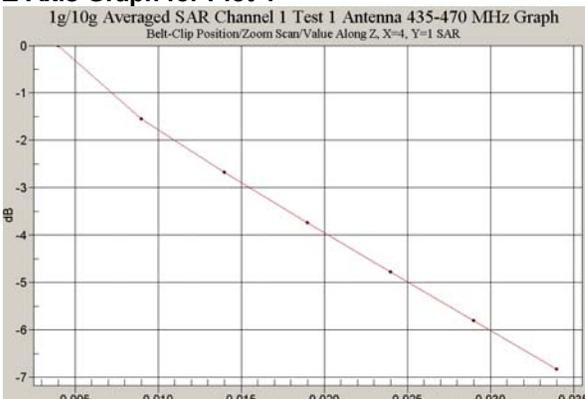
**Z-Axis Graph for Plot 2**



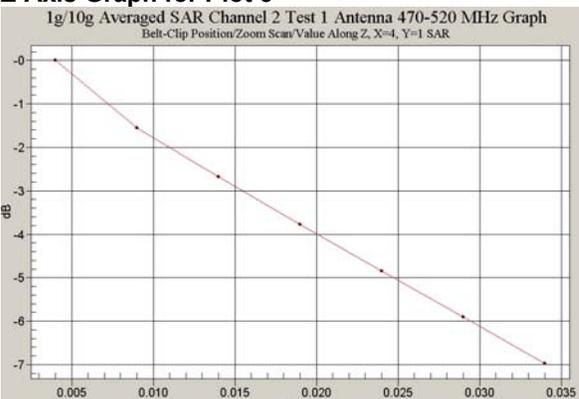
**Z-Axis Graph for Plot 3**



**Z-Axis Graph for Plot 4**



**Z-Axis Graph for Plot 5**



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Test Date: 10 August 2004

File Name: [450 MHz Pouch Belt Clip \(DAE442 Probe1377\) Ant Wide Band 10-08-04.da4](#)

DUT: Tait Transceiver Ant. Wide Band; Type: TPAH6A; Serial: 21000002

\* Communication System: CW 450 MHz; Frequency: 450 MHz; Duty Cycle: 1:1

\* Medium parameters used:  $\sigma = 0.895242$ ; mho/m,  $\epsilon_r = 56.1845$ ;  $\rho = 1000 \text{ kg/m}^3$

- Electronics: DAE3 Sn442; Probe: ET3DV6 - SN1377; ConvF(7.1, 7.1, 7.1)

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

**Channel 1 Test/Area Scan (81x181x1):** Measurement grid: dx=20mm, dy=20mm

Reference Value = 20 V/m; Power Drift = -0.1 dB

Maximum value of SAR (interpolated) = 1.52 mW/g

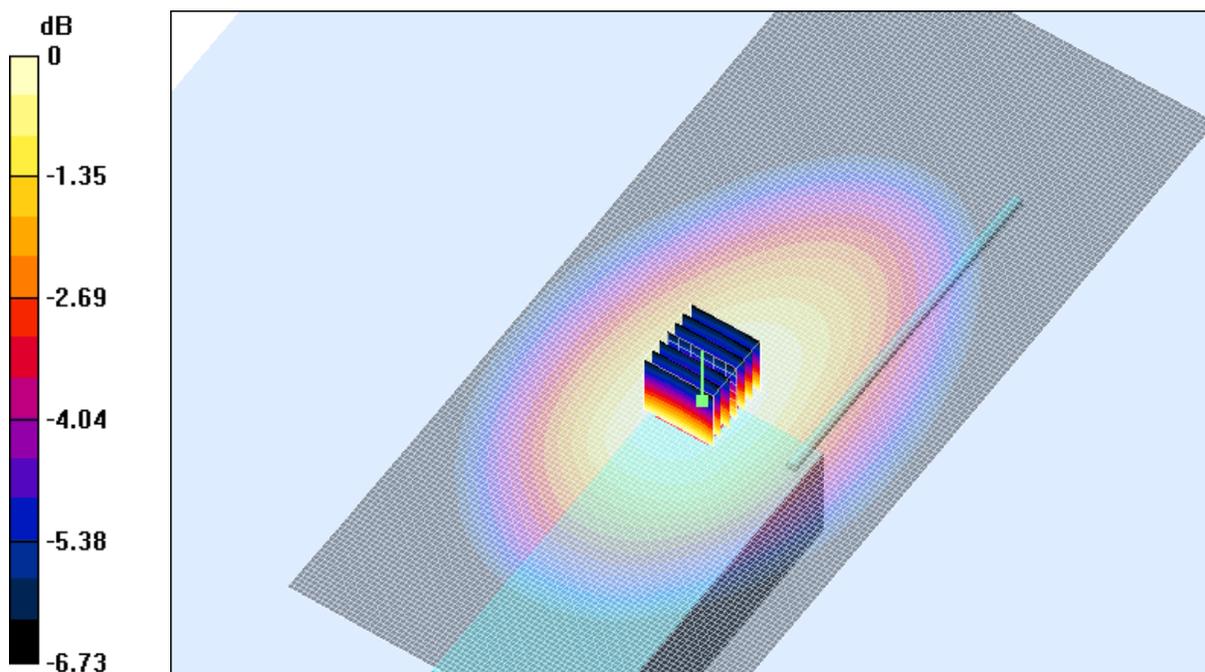
**Channel 1 Test/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 20 V/m; Power Drift = -0.1 dB

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

Peak SAR (extrapolated) = 2.17 W/kg

**SAR(1 g) = 1.48 mW/g; SAR(10 g) = 1.11 mW/g**



0 dB = 1.54mW/g

**SAR MEASUREMENT PLOT 6**

Ambient Temperature  
Liquid Temperature  
Humidity

20.0 Degrees Celsius  
19.4 Degrees Celsius  
41.0 %



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Test Date: 11 August 2004

File Name: [450 MHz Pouch Belt Clip \(DAE442 Probe1377\) Ant Wide Band 11-08-04.da4](#)

DUT: Tait Transceiver Ant. Wide Band; Type: TPAH6A; Serial: 21000002

\* Communication System: CW 450 MHz; Frequency: 485 MHz; Duty Cycle: 1:1

\* Medium parameters used:  $\sigma = 0.919209$ ; mho/m,  $\epsilon_r = 55.3356$ ;  $\rho = 1000 \text{ kg/m}^3$

- Electronics: DAE3 Sn442; Probe: ET3DV6 - SN1377; ConvF(7.1, 7.1, 7.1)

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

**Channel 2 Test/Area Scan (81x181x1):** Measurement grid: dx=20mm, dy=20mm

Reference Value = 24.7 V/m; Power Drift = -0.2 dB

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

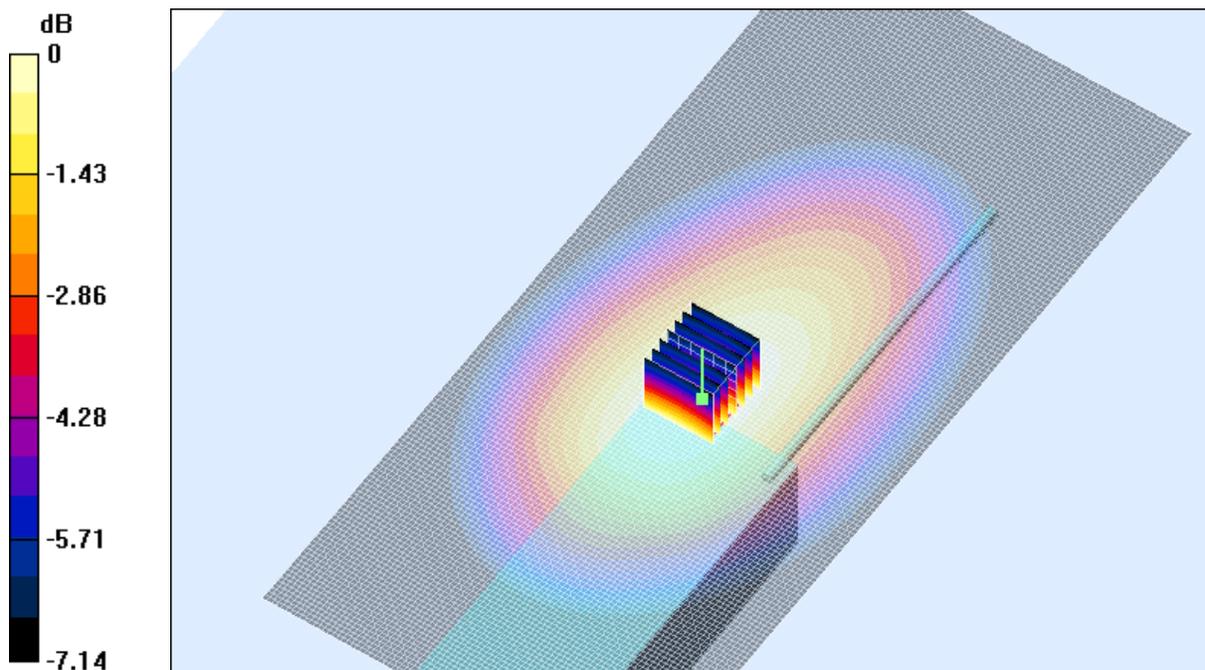
**Channel 2 Test/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 24.7 V/m; Power Drift = -0.2 dB

Maximum value of SAR (measured) = 1.7 mW/g

Peak SAR (extrapolated) = 2.41 W/kg

**SAR(1 g) = 1.64 mW/g; SAR(10 g) = 1.22 mW/g**



0 dB = 1.7mW/g

**SAR MEASUREMENT PLOT 7**

Ambient Temperature  
Liquid Temperature  
Humidity

20.3 Degrees Celsius  
19.7 Degrees Celsius  
42.0 %



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Test Date: 11 August 2004

File Name: [450 MHz Pouch Belt Clip \(DAE442 Probe1377\) Ant Wide Band 11-08-04.da4](#)

DUT: Tait Transceiver Ant. Wide Band; Type: TPAH6A; Serial: 21000002

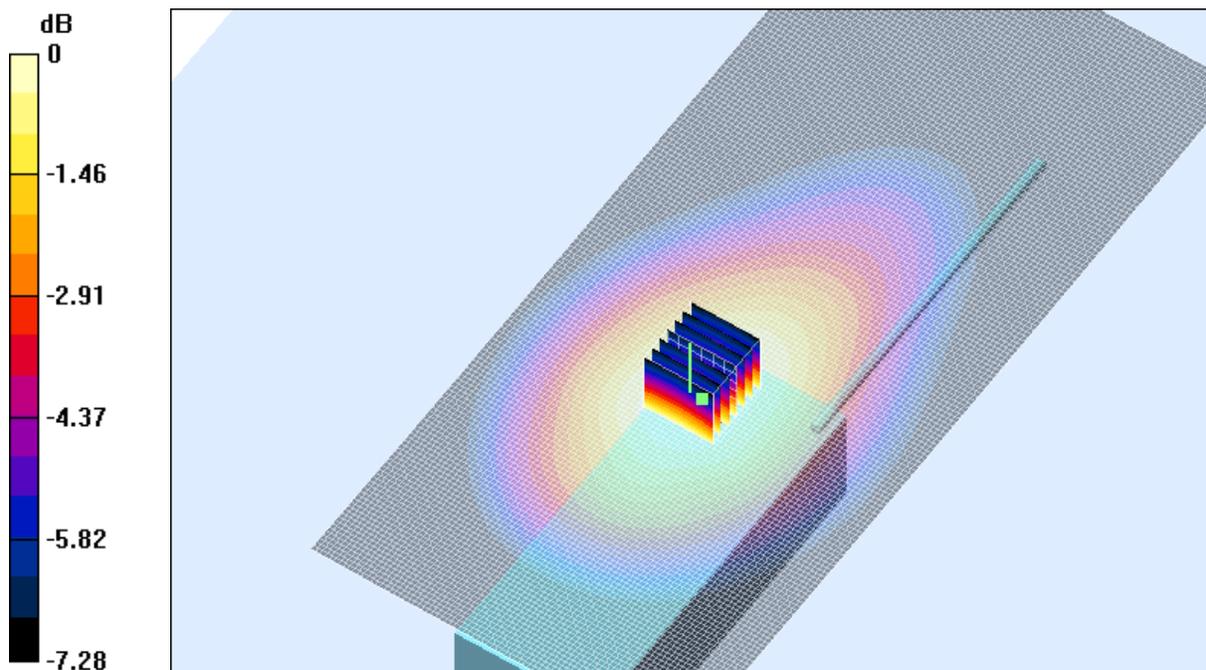
- \* Communication System: CW 450 MHz; Frequency: 520 MHz; Duty Cycle: 1:1
- \* Medium parameters used:  $\sigma = 0.952143$ ; mho/m,  $\epsilon_r = 54.7537$ ;  $\rho = 1000 \text{ kg/m}^3$
- Electronics: DAE3 Sn442; Probe: ET3DV6 - SN1377; ConvF(7.1, 7.1, 7.1)
- Phantom: Flat Phantom 10.1; Serial: P 10.1; Phantom section: Flat 2.2 Section

**Channel 3 Test/Area Scan (81x181x1):** Measurement grid: dx=20mm, dy=20mm

Reference Value = 12.7 V/m; Power Drift = -0.4 dB  
Maximum value of SAR (interpolated) = 0.952 mW/g

**Channel 3 Test/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 12.7 V/m; Power Drift = -0.4 dB  
Maximum value of SAR (measured) = 0.943 mW/g  
Peak SAR (extrapolated) = 1.34 W/kg  
**SAR(1 g) = 0.907 mW/g; SAR(10 g) = 0.671 mW/g**



0 dB = 0.943mW/g

**SAR MEASUREMENT PLOT 8**

Ambient Temperature  
Liquid Temperature  
Humidity

20.3 Degrees Celsius  
19.7 Degrees Celsius  
42.0 %



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Test Date: 11 August 2004

File Name: [450 MHz Pouch Belt Clip \(DAE442 Probe1377\) Ant 435-470 MHz 11-08-04.da4](#)

DUT: Tait Transceiver Ant. 435-470 MHz; Type: TPAH6A; Serial: 21000002

\* Communication System: CW 450 MHz; Frequency: 450 MHz; Duty Cycle: 1:1

\* Medium parameters used:  $\sigma = 0.892631$ ; mho/m,  $\epsilon_r = 55.9446$ ;  $\rho = 1000$  kg/m<sup>3</sup>

- Electronics: DAE3 Sn442; Probe: ET3DV6 - SN1377; ConvF(7.1, 7.1, 7.1)

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

**Channel 1 Test/Area Scan (81x171x1):** Measurement grid: dx=20mm, dy=20mm

Reference Value = 25.9 V/m; Power Drift = -0.4 dB

Maximum value of SAR (interpolated) = 1.55 mW/g

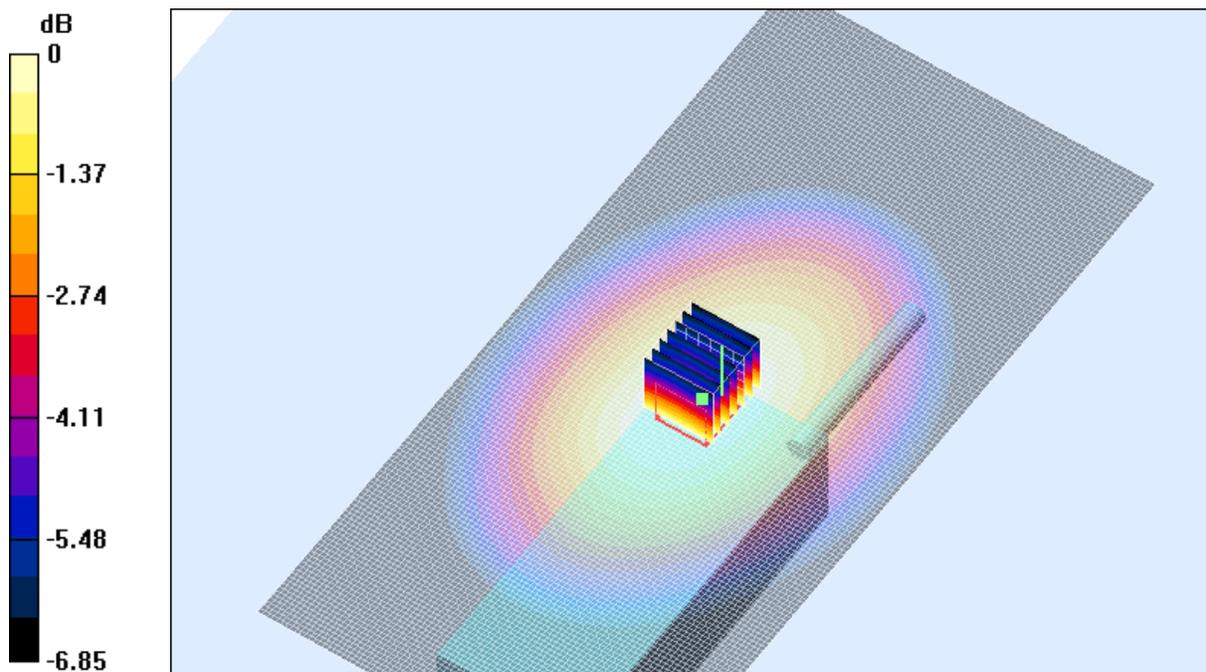
**Channel 1 Test/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 25.9 V/m; Power Drift = -0.4 dB

Maximum value of SAR (measured) = 1.5 mW/g

Peak SAR (extrapolated) = 2.12 W/kg

**SAR(1 g) = 1.45 mW/g; SAR(10 g) = 1.09 mW/g**



0 dB = 1.5mW/g

**SAR MEASUREMENT PLOT 9**

Ambient Temperature  
Liquid Temperature  
Humidity

20.3 Degrees Celsius  
19.7 Degrees Celsius  
42.0 %



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Test Date: 11 August 2004

File Name: [450 MHz Pouch Belt Clip \(DAE442 Probe1377\) Ant 470-520 MHz 11-08-04.da4](#)

DUT: Tait Transceiver Ant. 470-520 MHz; Type: TPAH6A; Serial: 21000002

\* Communication System: CW 450 MHz; Frequency: 485 MHz; Duty Cycle: 1:1

\* Medium parameters used:  $\sigma = 0.919209$ ; mho/m,  $\epsilon_r = 55.3356$ ;  $\rho = 1000$  kg/m<sup>3</sup>

- Electronics: DAE3 Sn442; Probe: ET3DV6 - SN1377; ConvF(7.1, 7.1, 7.1)

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

**Channel 2 Test/Area Scan (81x171x1):** Measurement grid: dx=20mm, dy=20mm

Reference Value = 22.3 V/m; Power Drift = -0.3 dB

Maximum value of SAR (interpolated) = 1.16 mW/g

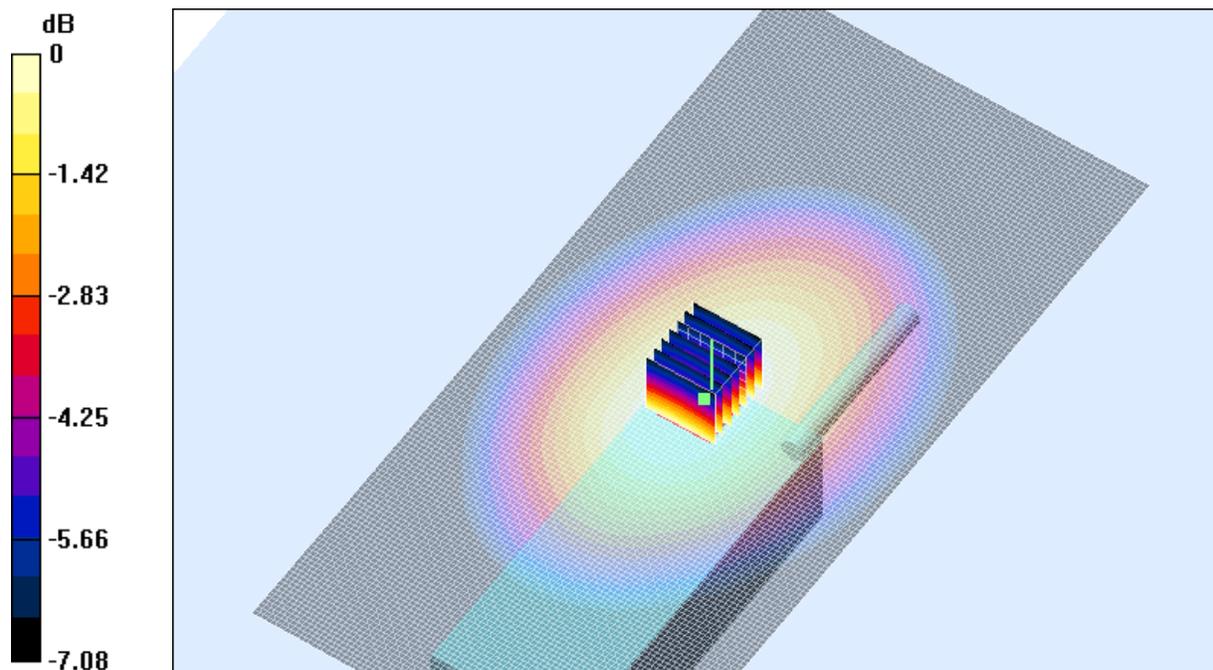
**Channel 2 Test/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 22.3 V/m; Power Drift = -0.3 dB

Maximum value of SAR (measured) = 1.13 mW/g

Peak SAR (extrapolated) = 1.58 W/kg

**SAR(1 g) = 1.09 mW/g; SAR(10 g) = 0.817 mW/g**



0 dB = 1.13mW/g

**SAR MEASUREMENT PLOT 10**

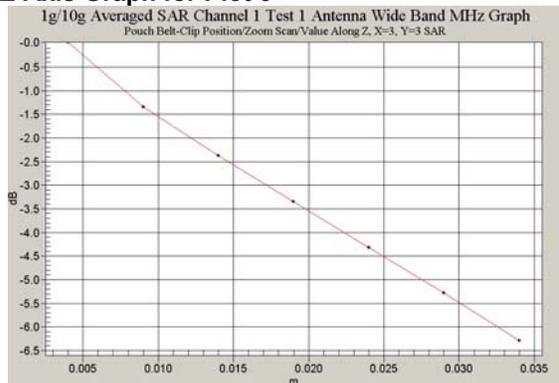
Ambient Temperature  
Liquid Temperature  
Humidity

20.3 Degrees Celsius  
19.7 Degrees Celsius  
42.0 %

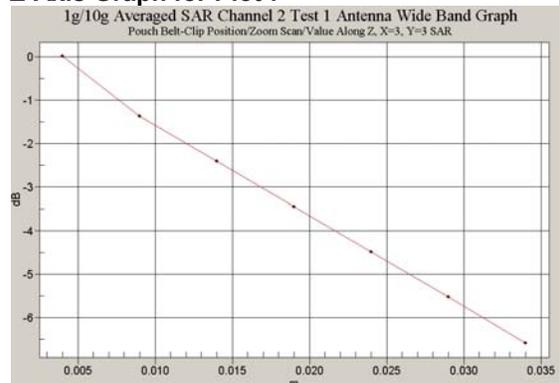


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**Z-Axis Graph for Plot 6**



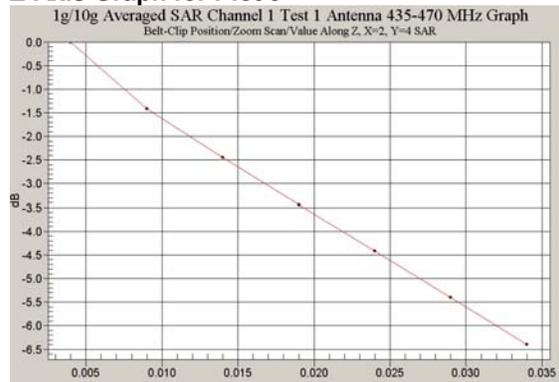
**Z-Axis Graph for Plot 7**



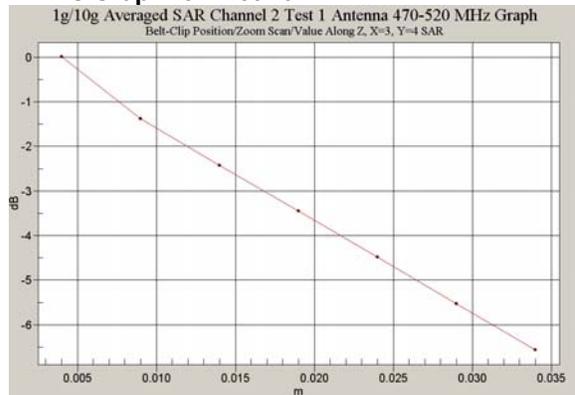
**Z-Axis Graph for Plot 8**



**Z-Axis Graph for Plot 9**



**Z-Axis Graph for Plot 10**



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Test Date: 11 August 2004

File Name: [450 MHz Belt Clip SPK-MIC \(DAE442 Probe1377\) Ant Wide Band 11-08-04.da4](#)

DUT: Tait SPK-MIC Ant. Wide Band; Type: TPA-AA-204; Serial: Prototype

\* Communication System: CW 450 MHz; Frequency: 450 MHz; Duty Cycle: 1:1

\* Medium parameters used:  $\sigma = 0.892631$ ; mho/m,  $\epsilon_r = 55.9446$ ;  $\rho = 1000 \text{ kg/m}^3$

- Electronics: DAE3 Sn442; Probe: ET3DV6 - SN1377; ConvF(7.1, 7.1, 7.1)

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

**Channel 1 Test/Area Scan (81x171x1):** Measurement grid: dx=20mm, dy=20mm

Reference Value = 20.7 V/m; Power Drift = -0.3 dB

Maximum value of SAR (interpolated) = 4.53 mW/g

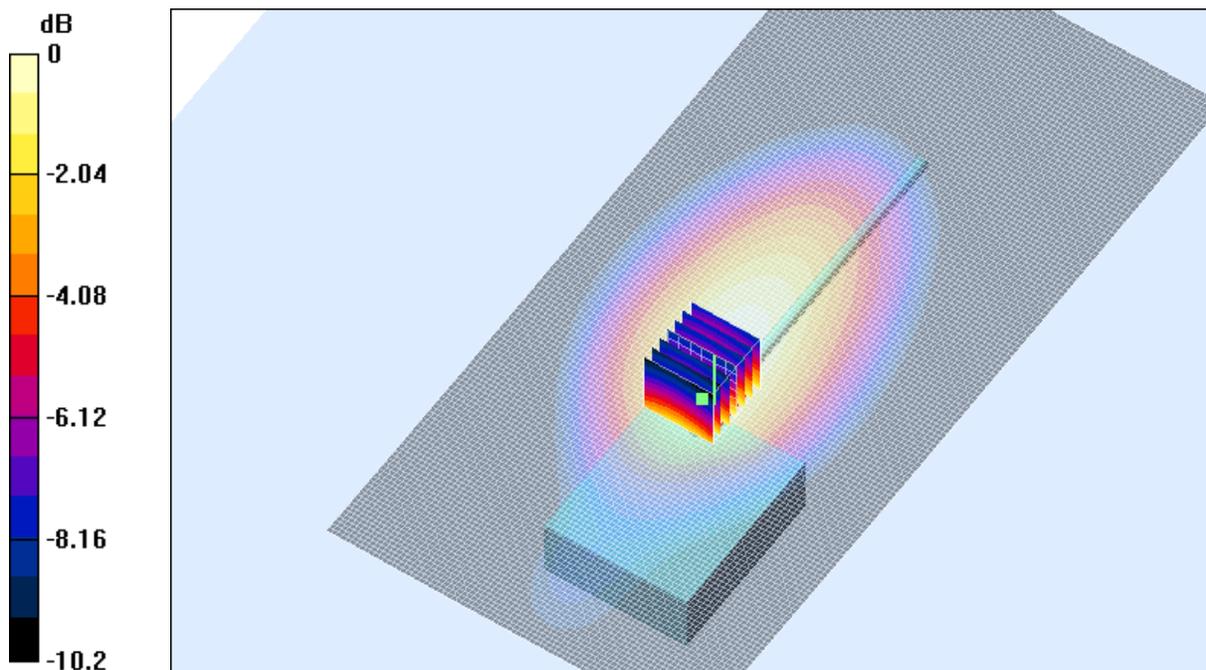
**Channel 1 Test/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 20.7 V/m; Power Drift = -0.3 dB

Maximum value of SAR (measured) = 4.37 mW/g

Peak SAR (extrapolated) = 8.02 W/kg

**SAR(1 g) = 4.13 mW/g; SAR(10 g) = 2.73 mW/g**



0 dB = 4.37mW/g

**SAR MEASUREMENT PLOT 11**

Ambient Temperature  
Liquid Temperature  
Humidity

20.3 Degrees Celsius  
19.7 Degrees Celsius  
42.0 %



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Test Date: 11 August 2004

File Name: [450 MHz Belt Clip SPK-MIC \(DAE442 Probe1377\) Ant Wide Band 11-08-04.da4](#)

DUT: Tait SPK-MIC Ant. Wide Band; Type: TPA-AA-204; Serial: Prototype

- \* Communication System: CW 450 MHz; Frequency: 485 MHz; Duty Cycle: 1:1
- \* Medium parameters used:  $\sigma = 0.919209$ ; mho/m,  $\epsilon_r = 55.3356$ ;  $\rho = 1000$  kg/m<sup>3</sup>
- Electronics: DAE3 Sn442; Probe: ET3DV6 - SN1377; ConvF(7.1, 7.1, 7.1)
- Phantom: Flat Phantom 10.1; Serial: P 10.1; Phantom section: Flat 2.2 Section

**Channel 2 Test/Area Scan (81x171x1):** Measurement grid: dx=20mm, dy=20mm

Reference Value = 31.3 V/m; Power Drift = -0.2 dB

Maximum value of SAR (interpolated) = 8.81 mW/g

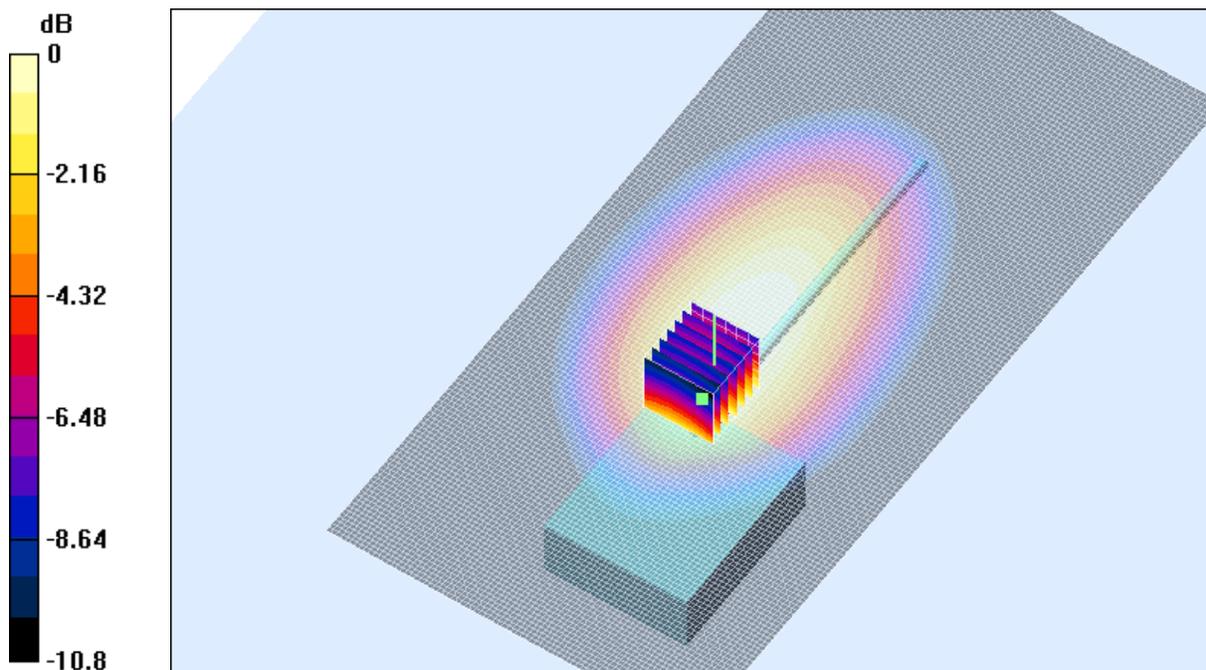
**Channel 2 Test/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 31.3 V/m; Power Drift = -0.2 dB

Maximum value of SAR (measured) = 8.14 mW/g

Peak SAR (extrapolated) = 15.6 W/kg

**SAR(1 g) = 7.74 mW/g; SAR(10 g) = 5.26 mW/g**



0 dB = 8.14mW/g

**SAR MEASUREMENT PLOT 12**

Ambient Temperature  
Liquid Temperature  
Humidity

20.3 Degrees Celsius  
19.7 Degrees Celsius  
42.0 %



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Test Date: 11 August 2004

File Name: [450 MHz Belt Clip SPK-MIC \(DAE442 Probe1377\) Ant Wide Band 11-08-04.da4](#)

DUT: Tait SPK-MIC Ant. Wide Band; Type: TPA-AA-204; Serial: Prototype

\* Communication System: CW 450 MHz; Frequency: 520 MHz; Duty Cycle: 1:1

\* Medium parameters used:  $\sigma = 0.952143$ ; mho/m,  $\epsilon_r = 54.7537$ ;  $\rho = 1000$  kg/m<sup>3</sup>

- Electronics: DAE3 Sn442; Probe: ET3DV6 - SN1377; ConvF(7.1, 7.1, 7.1)

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

**Channel 3 Test/Area Scan (81x171x1):** Measurement grid: dx=20mm, dy=20mm

Reference Value = 30.7 V/m; Power Drift = -0.4 dB

Maximum value of SAR (interpolated) = 8.53 mW/g

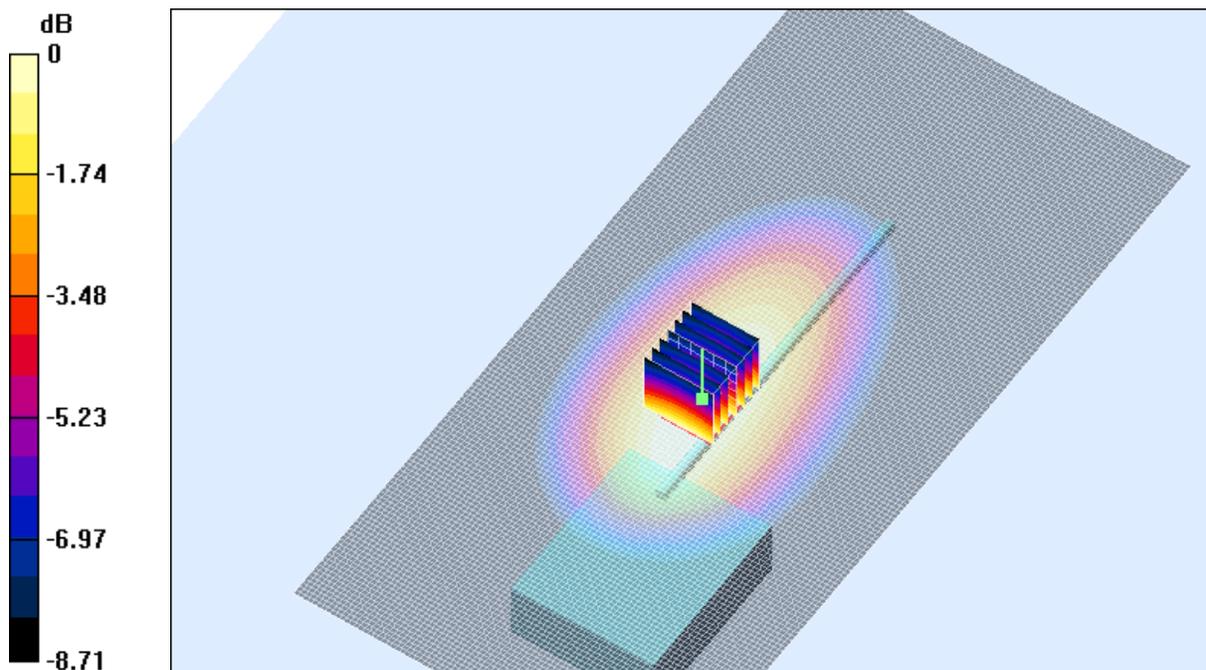
**Channel 3 Test/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 30.7 V/m; Power Drift = -0.4 dB

Maximum value of SAR (measured) = 8.46 mW/g

Peak SAR (extrapolated) = 12.5 W/kg

**SAR(1 g) = 8.05 mW/g; SAR(10 g) = 5.66 mW/g**



0 dB = 8.46mW/g

**SAR MEASUREMENT PLOT 13**

Ambient Temperature  
Liquid Temperature  
Humidity

20.3 Degrees Celsius  
19.7 Degrees Celsius  
42.0 %



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Test Date: 11 August 2004

File Name: [450 MHz Belt Clip SPK-MIC \(DAE442 Probe1377\) Ant 435-470 MHz 11-08-04.da4](#)

DUT: Tait SPK-MIC Ant. 435-470 MHz; Type: TPA-AA-204; Serial: Prototype

\* Communication System: CW 450 MHz; Frequency: 450 MHz; Duty Cycle: 1:1

\* Medium parameters used:  $\sigma = 0.892631$ ; mho/m,  $\epsilon_r = 55.9446$ ;  $\rho = 1000$  kg/m<sup>3</sup>

- Electronics: DAE3 Sn442; Probe: ET3DV6 - SN1377; ConvF(7.1, 7.1, 7.1)

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

**Channel 1 Test/Area Scan (81x131x1):** Measurement grid: dx=20mm, dy=20mm

Reference Value = 57.4 V/m; Power Drift = -0.0 dB

Maximum value of SAR (interpolated) = 6.66 mW/g

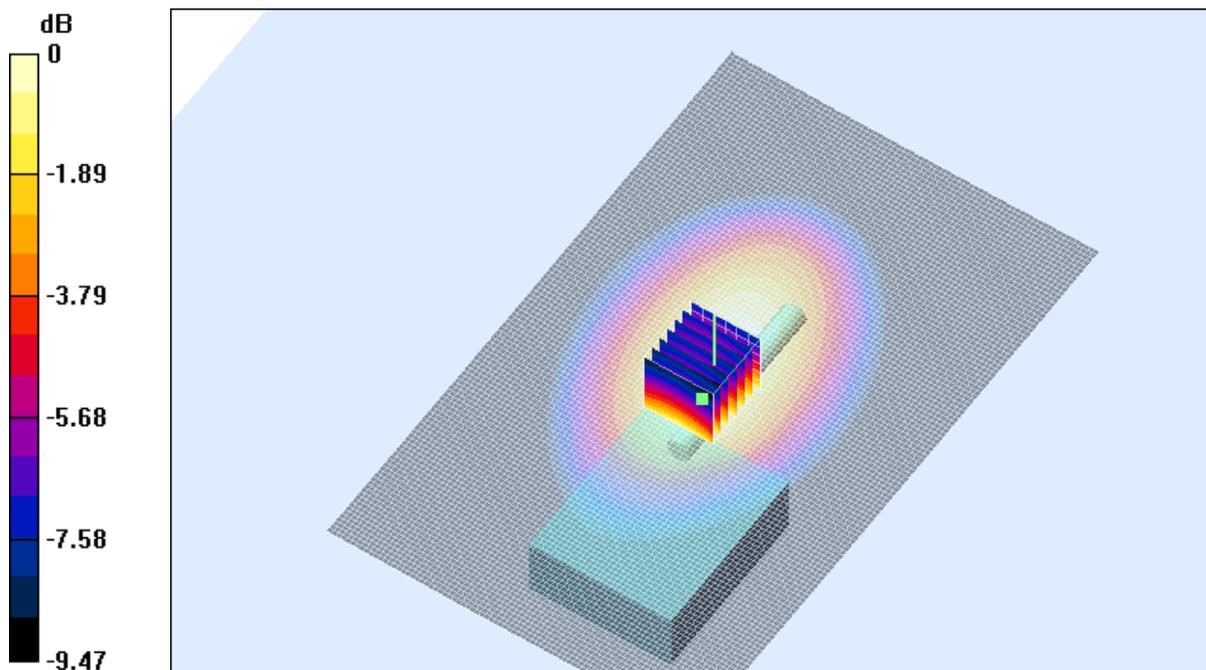
**Channel 1 Test/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 57.4 V/m; Power Drift = -0.0 dB

Maximum value of SAR (measured) = 6.26 mW/g

Peak SAR (extrapolated) = 10.8 W/kg

**SAR(1 g) = 5.91 mW/g; SAR(10 g) = 4.13 mW/g**



0 dB = 6.26mW/g

**SAR MEASUREMENT PLOT 14**

Ambient Temperature  
Liquid Temperature  
Humidity

20.3 Degrees Celsius  
19.7 Degrees Celsius  
42.0 %



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Test Date: 11 August 2004

File Name: [450 MHz Belt Clip SPK-MIC \(DAE442 Probe1377\) Ant 470-520 MHz 11-08-04.da4](#)

DUT: Tait SPK-MIC Ant. 470-520 MHz; Type: TPA-AA-204; Serial: Prototype

- \* Communication System: CW 450 MHz; Frequency: 485 MHz; Duty Cycle: 1:1
- \* Medium parameters used:  $\sigma = 0.919209$ ; mho/m,  $\epsilon_r = 55.3356$ ;  $\rho = 1000 \text{ kg/m}^3$
- Electronics: DAE3 Sn442; Probe: ET3DV6 - SN1377; ConvF(7.1, 7.1, 7.1)
- Phantom: Flat Phantom 10.1; Serial: P 10.1; Phantom section: Flat 2.2 Section

**Channel 2 Test 2/Area Scan (81x131x1):** Measurement grid: dx=20mm, dy=20mm

Reference Value = 53.6 V/m; Power Drift = -0.3 dB

Maximum value of SAR (interpolated) = 5.29 mW/g

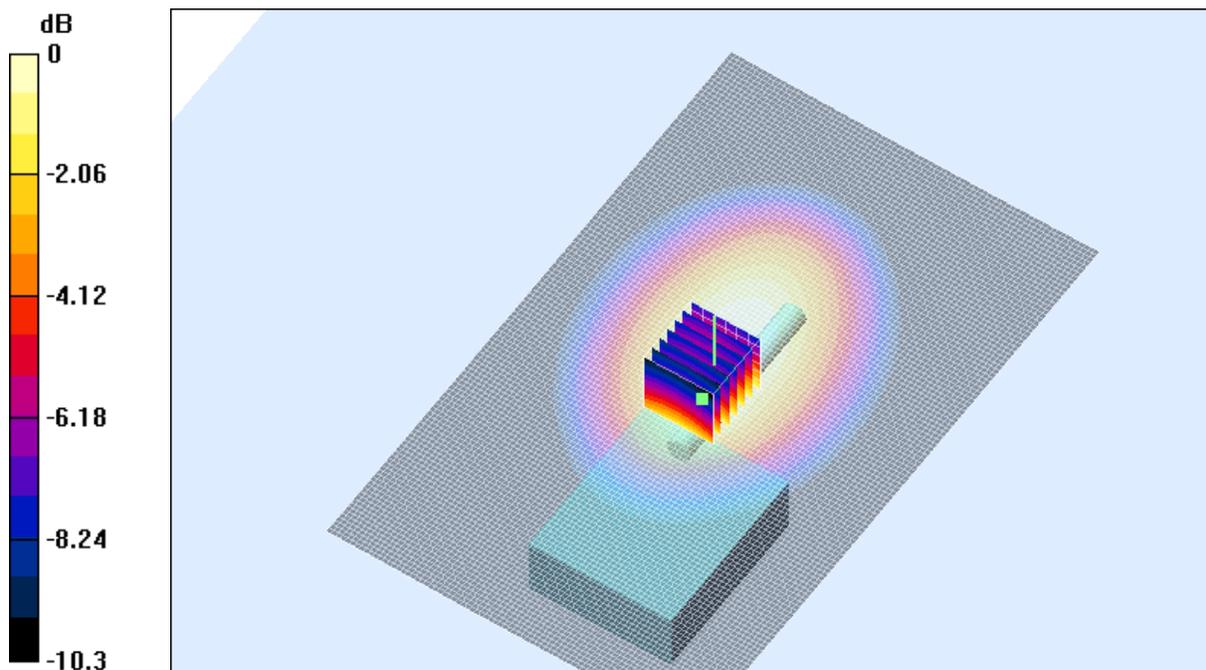
**Channel 2 Test 2/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 53.6 V/m; Power Drift = -0.3 dB

Maximum value of SAR (measured) = 4.85 mW/g

Peak SAR (extrapolated) = 8.72 W/kg

**SAR(1 g) = 4.61 mW/g; SAR(10 g) = 3.18 mW/g**



0 dB = 4.85mW/g

**SAR MEASUREMENT PLOT 15**

Ambient Temperature  
 Liquid Temperature  
 Humidity

20.3 Degrees Celsius  
 19.7 Degrees Celsius  
 42.0 %



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