

Test Date: 30 January 2013

File Name: M121023 750 MHz Body Worn Antenna Half-wave 30-01-12.da52:0

DUT: Tait PTT Transceiver; Type: TPK5A; Serial: 25383160

- \* Communication System: CW; Frequency: 799.069 MHz; Duty Cycle: 1:1
- \* Medium parameters used:  $f = 800$  MHz;  $\sigma = 0.969$  mho/m;  $\epsilon_r = 53.626$ ;  $\rho = 1000$  kg/m<sup>3</sup>
- Electronics: DAE3 Sn442; Probe: ET3DV6 - SN1380; ConvF(6.19, 6.19, 6.19); Calibrated: 10/12/2012
- Phantom: ELI 4.0; Serial: 1101; Phantom section: Flat Section

**Configuration/Leather Case Battery Clip (14mm) Channel 2 Test/Area**

**Scan (81x241x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 8.48 W/kg

**Configuration/Leather Case Battery Clip (14mm) Channel 2 Test/Zoom**

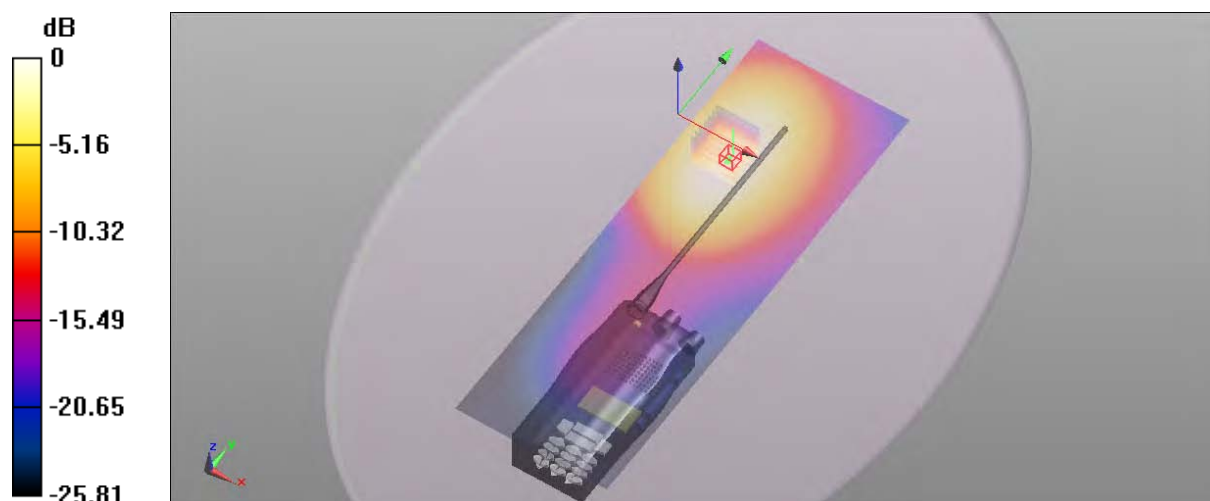
**Scan (8x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 37.191 V/m; Power Drift = -0.21 dB

Peak SAR (extrapolated) = 9.961 mW/g

**SAR(1 g) = 7.64 mW/g**

Maximum value of SAR (measured) = 8.12 W/kg



0 dB = 8.48 W/kg = 18.57 dB W/kg

**SAR MEASUREMENT PLOT 41**

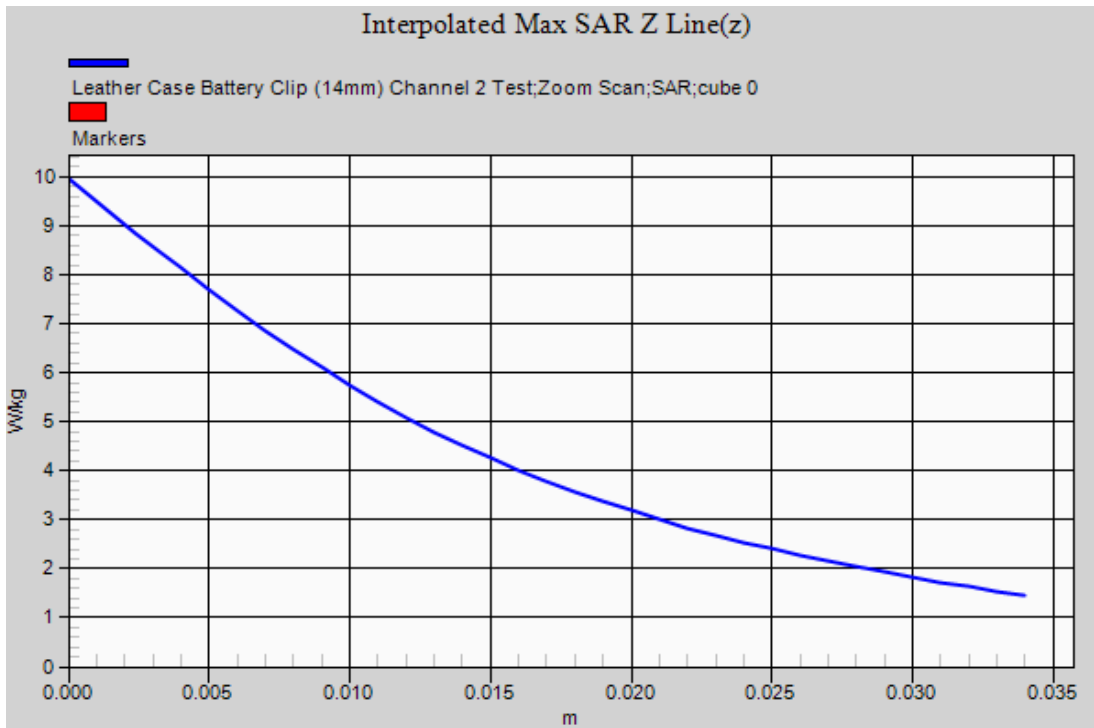
Ambient Temperature  
Liquid Temperature  
Humidity

20.5 Degrees Celsius  
20.1 Degrees Celsius  
51.0 %



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Test Date: 22 October 2012

File Name: M121023 800 MHz Body Worn Antenna Half-wave 22-10-12.da52:0

DUT: Tait PTT Transceiver; Type: TPK5A; Serial: 25383160

\* Communication System: CW; Frequency: 807.513 MHz; Duty Cycle: 1:1

\* Medium parameters used:  $f = 808$  MHz;  $\sigma = 0.952$  mho/m;  $\epsilon_r = 53.752$ ;  $\rho = 1000$  kg/m<sup>3</sup>

- Electronics: DAE3 Sn442; Probe: ET3DV6 - SN1380; ConvF(5.94, 5.94, 5.94); Calibrated: 12/12/2011

- Phantom: Flat Phantom 9.1; Serial: P 9.1; Phantom section: Flat 2.2 Section

### Configuration/Leather Case Battery Clip (14mm) Channel 3 Test/Area

Scan (81x241x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 7.79 W/kg

### Configuration/Leather Case Battery Clip (14mm) Channel 3 Test/Zoom

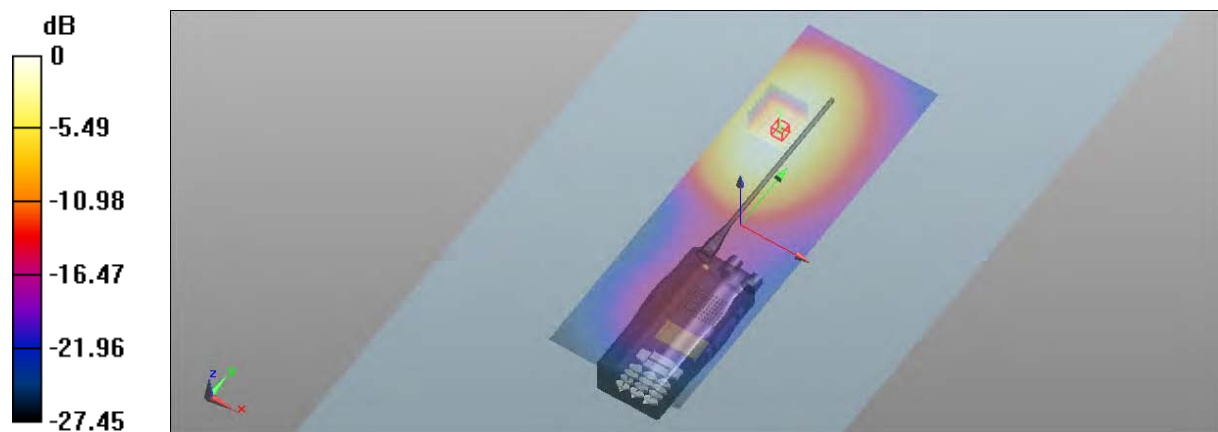
Scan (8x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 44.180 V/m; Power Drift = -0.18 dB

Peak SAR (extrapolated) = 9.090 mW/g

SAR(1 g) = 7.54 mW/g (SAR corrected for target medium)

Maximum value of SAR (measured) = 7.54 W/kg



0 dB = 7.79 W/kg = 17.83 dB W/kg

**SAR MEASUREMENT PLOT 42**

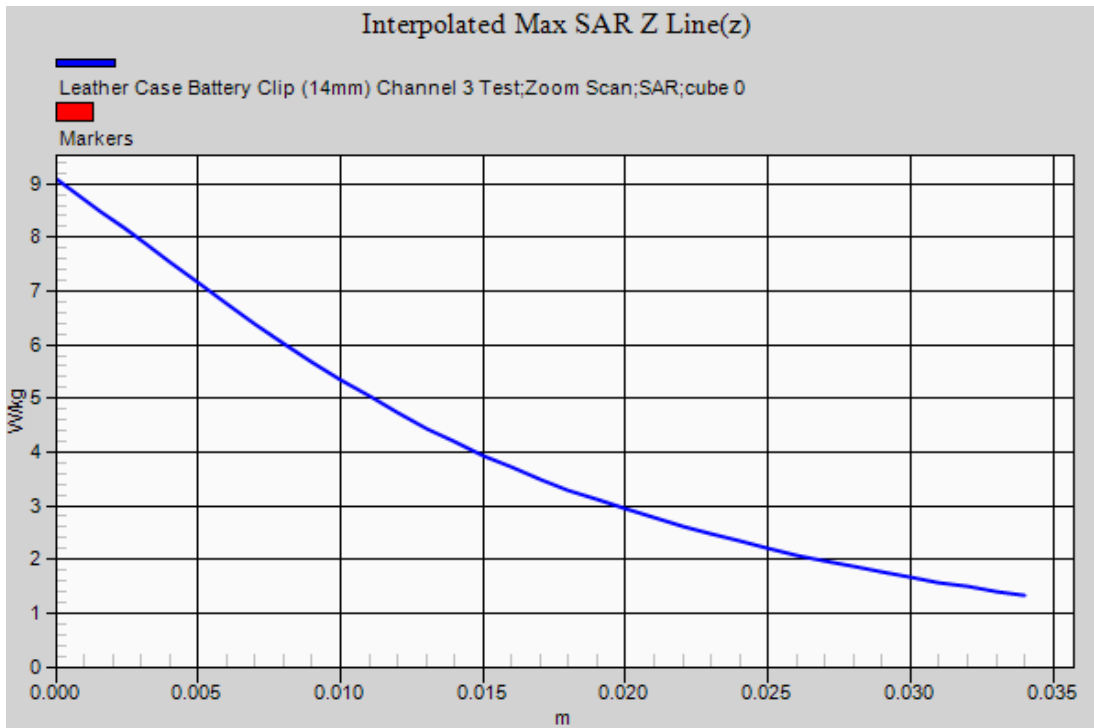
Ambient Temperature  
Liquid Temperature  
Humidity

20.4 Degrees Celsius  
20.1 Degrees Celsius  
41.0 %



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Test Date: 22 October 2012

File Name: M121023 850 MHz Body Worn Antenna Quarter-wave 22-10-12.da52:0

DUT: Tait PTT Transceiver; Type: TPK5A; Serial: 25383160

\* Communication System: CW; Frequency: 807.513 MHz; Duty Cycle: 1:1

\* Medium parameters used:  $f = 808 \text{ MHz}$ ;  $\sigma = 0.952 \text{ mho/m}$ ;  $\epsilon_r = 53.752$ ;  $\rho = 1000 \text{ kg/m}^3$

- Electronics: DAE3 Sn442; Probe: ET3DV6 - SN1380; ConvF(5.94, 5.94, 5.94); Calibrated: 12/12/2011

- Phantom: Flat Phantom 9.1; Serial: P 9.1; Phantom section: Flat 2.2 Section

**Configuration/Leather Case Battery Clip (14mm) Channel 3 Test/Area**

**Scan (81x201x1):** Interpolated grid:  $dx=1.500 \text{ mm}$ ,  $dy=1.500 \text{ mm}$

Maximum value of SAR (interpolated) = 9.89 W/kg

**Configuration/Leather Case Battery Clip (14mm) Channel 3 Test/Zoom**

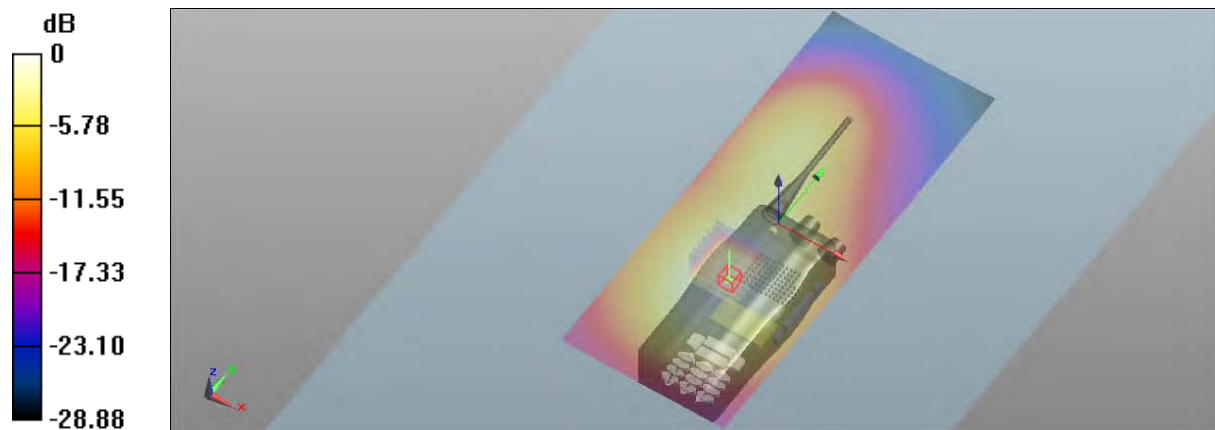
**Scan (8x7x7)/Cube 0:** Measurement grid:  $dx=5\text{mm}$ ,  $dy=5\text{mm}$ ,  $dz=5\text{mm}$

Reference Value = 54.854 V/m; Power Drift = -0.19 dB

Peak SAR (extrapolated) = 10.695 mW/g

**SAR(1 g) = 9.14 mW/g** (SAR corrected for target medium)

Maximum value of SAR (measured) = 9.11 W/kg



0 dB = 9.89 W/kg = 19.90 dB W/kg

**SAR MEASUREMENT PLOT 43**

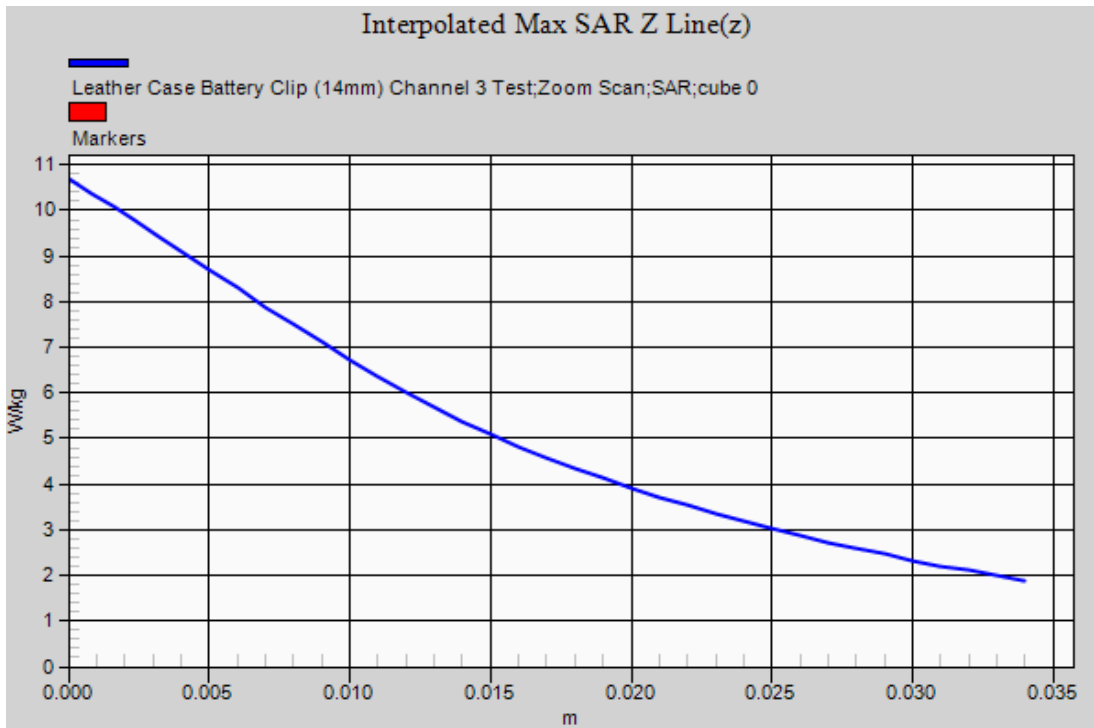
Ambient Temperature  
Liquid Temperature  
Humidity

20.4 Degrees Celsius  
20.1 Degrees Celsius  
41.0 %



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Test Date: 25 October 2012

File Name: M121023 800 MHz Body Worn Antenna Helical 25-10-12.da52:0

DUT: Tait PTT Transceiver; Type: TPK5A; Serial: 25383160

\* Communication System: CW; Frequency: 807.513 MHz; Duty Cycle: 1:1

\* Medium parameters used:  $f = 808 \text{ MHz}$ ;  $\sigma = 0.95 \text{ mho/m}$ ;  $\epsilon_r = 53.489$ ;  $\rho = 1000 \text{ kg/m}^3$

- Electronics: DAE3 Sn442; Probe: ET3DV6 - SN1380; ConvF(5.94, 5.94, 5.94); Calibrated: 12/12/2011

- Phantom: Flat Phantom 9.1; Serial: P 9.1; Phantom section: Flat 2.2 Section

**Configuration/Leather Case Battery Clip (14mm) Channel 3 Test/Area**

**Scan (81x181x1):** Interpolated grid:  $dx=1.500 \text{ mm}$ ,  $dy=1.500 \text{ mm}$

Maximum value of SAR (interpolated) = 9.46 W/kg

**Configuration/Leather Case Battery Clip (14mm) Channel 3 Test/Zoom**

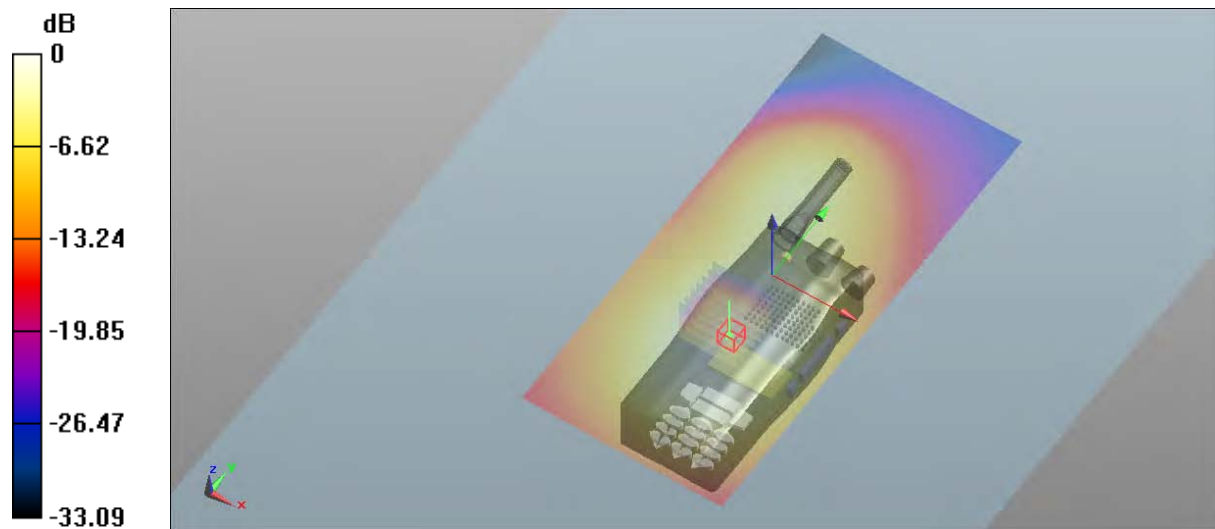
**Scan (8x7x7)/Cube 0:** Measurement grid:  $dx=5\text{mm}$ ,  $dy=5\text{mm}$ ,  $dz=5\text{mm}$

Reference Value = 55.617 V/m; Power Drift = -0.13 dB

Peak SAR (extrapolated) = 10.485 mW/g

**SAR(1 g) = 8.88 mW/g** (SAR corrected for target medium)

Maximum value of SAR (measured) = 8.87 W/kg



0 dB = 9.46 W/kg = 19.52 dB W/kg

**SAR MEASUREMENT PLOT 44**

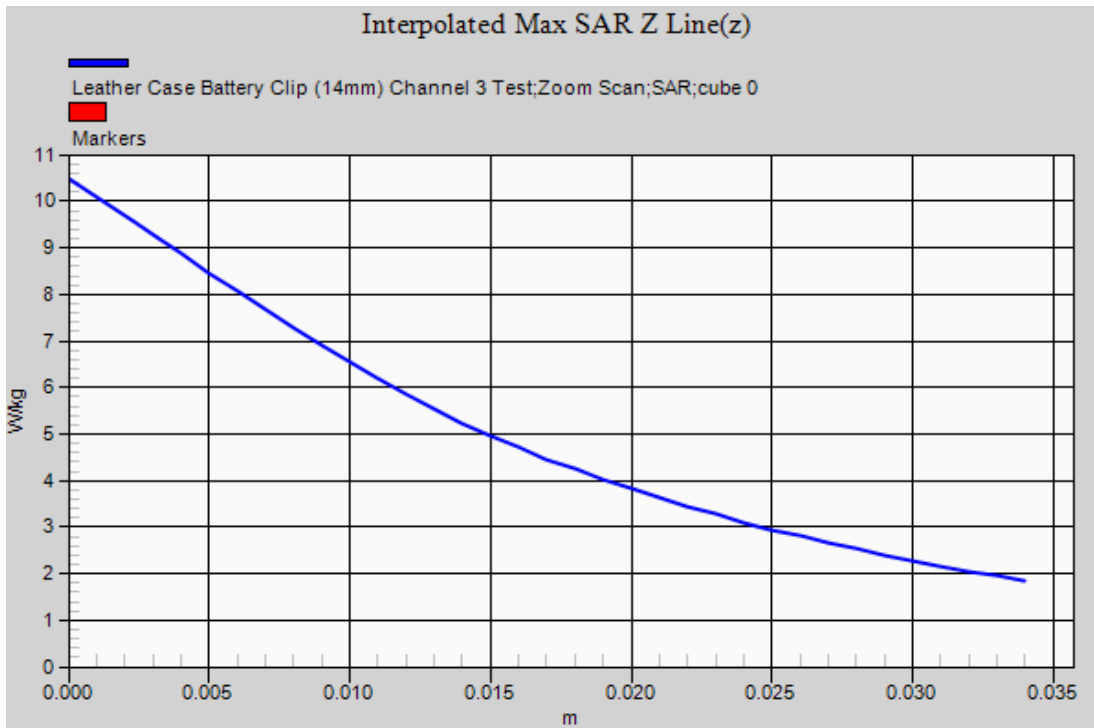
Ambient Temperature  
Liquid Temperature  
Humidity

20.5 Degrees Celsius  
20.1 Degrees Celsius  
39.0 %



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Test Date: 23 October 2012

File Name: M121023 850 MHz Body Worn Antenna Quarter-wave 23-10-12.da52:0

DUT: Tait PTT Transceiver; Type: TPK5A; Serial: 25383160

\* Communication System: CW; Frequency: 823.987 MHz; Duty Cycle: 1:1

\* Medium parameters used:  $f = 824$  MHz;  $\sigma = 0.962$  mho/m;  $\epsilon_r = 53.046$ ;  $\rho = 1000$  kg/m<sup>3</sup>

- Electronics: DAE3 Sn442; Probe: ET3DV6 - SN1380; ConvF(5.94, 5.94, 5.94); Calibrated: 12/12/2011

- Phantom: Flat Phantom 9.1; Serial: P 9.1; Phantom section: Flat 2.2 Section

**Configuration/Leather Case Battery Clip (14mm) Channel 4 Test/Area**

**Scan (81x201x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 9.09 W/kg

**Configuration/Leather Case Battery Clip (14mm) Channel 4 Test/Zoom**

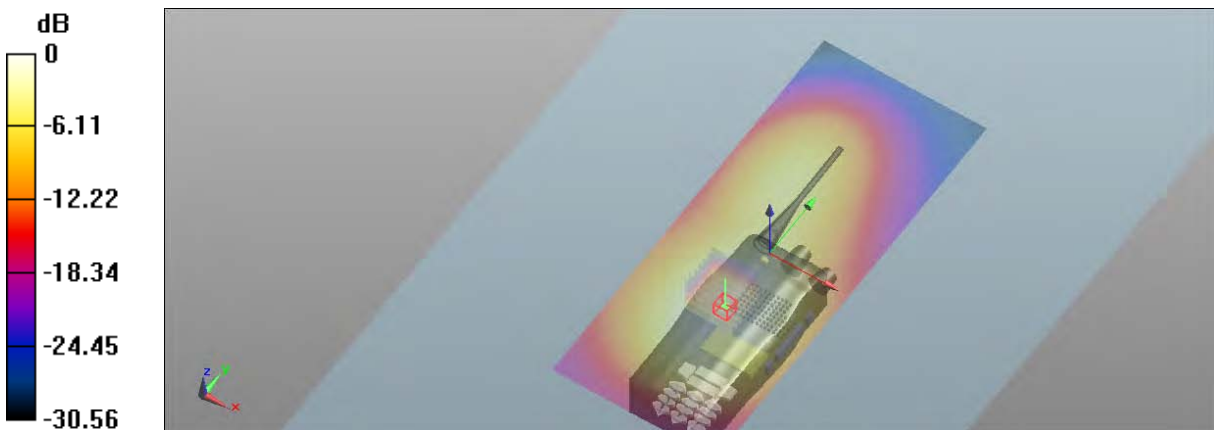
**Scan (8x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 51.849 V/m; Power Drift = -0.10 dB

Peak SAR (extrapolated) = 10.050 mW/g

**SAR(1 g) = 8.45 mW/g** (SAR corrected for target medium)

Maximum value of SAR (measured) = 8.52 W/kg



0 dB = 9.09 W/kg = 19.17 dB W/kg

**SAR MEASUREMENT PLOT 45**

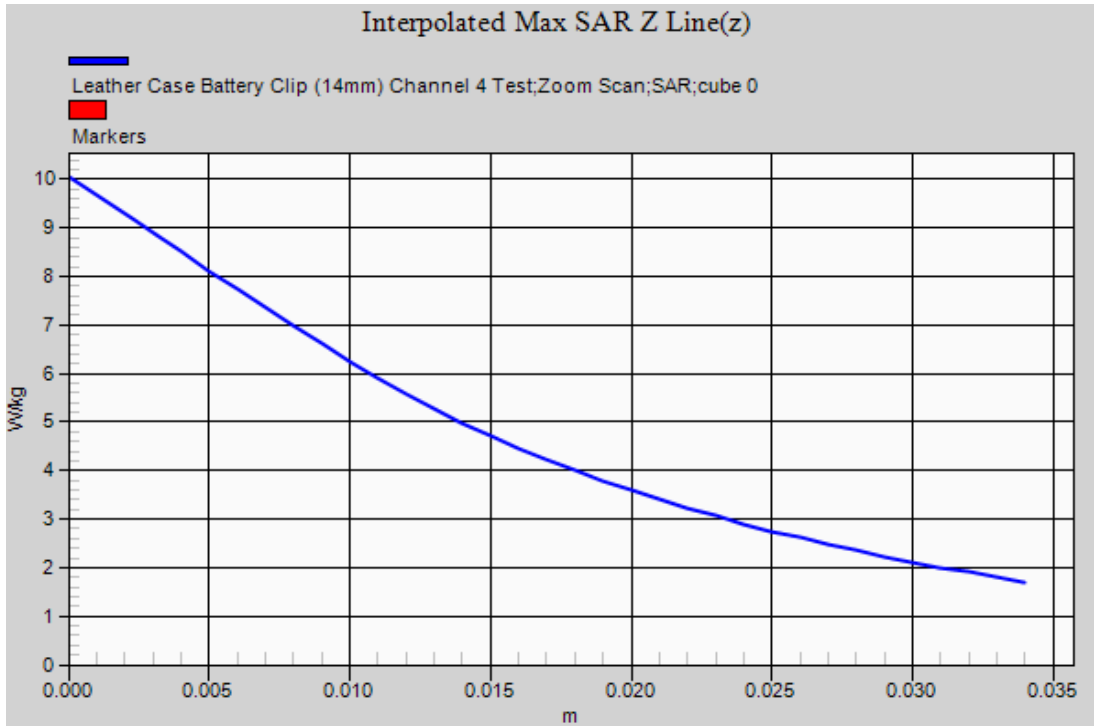
Ambient Temperature  
Liquid Temperature  
Humidity

20.6 Degrees Celsius  
20.2 Degrees Celsius  
41.0 %



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Test Date: 25 October 2012

File Name: M121023 850 MHz Body Worn Antenna Helical 25-10-12.da52:0

DUT: Tait PTT Transceiver; Type: TPK5A; Serial: 25383160

\* Communication System: CW; Frequency: 823.987 MHz; Duty Cycle: 1:1

\* Medium parameters used:  $f = 824 \text{ MHz}$ ;  $\sigma = 0.965 \text{ mho/m}$ ;  $\epsilon_r = 53.329$ ;  $\rho = 1000 \text{ kg/m}^3$

- Electronics: DAE3 Sn442; Probe: ET3DV6 - SN1380; ConvF(5.94, 5.94, 5.94); Calibrated: 12/12/2011

- Phantom: Flat Phantom 9.1; Serial: P 9.1; Phantom section: Flat 2.2 Section

**Configuration/Leather Case Battery Clip (14mm) Channel 4 Test/Area**

**Scan (81x181x1):** Interpolated grid:  $dx=1.500 \text{ mm}$ ,  $dy=1.500 \text{ mm}$

Maximum value of SAR (interpolated) = 9.69 W/kg

**Configuration/Leather Case Battery Clip (14mm) Channel 4 Test/Zoom**

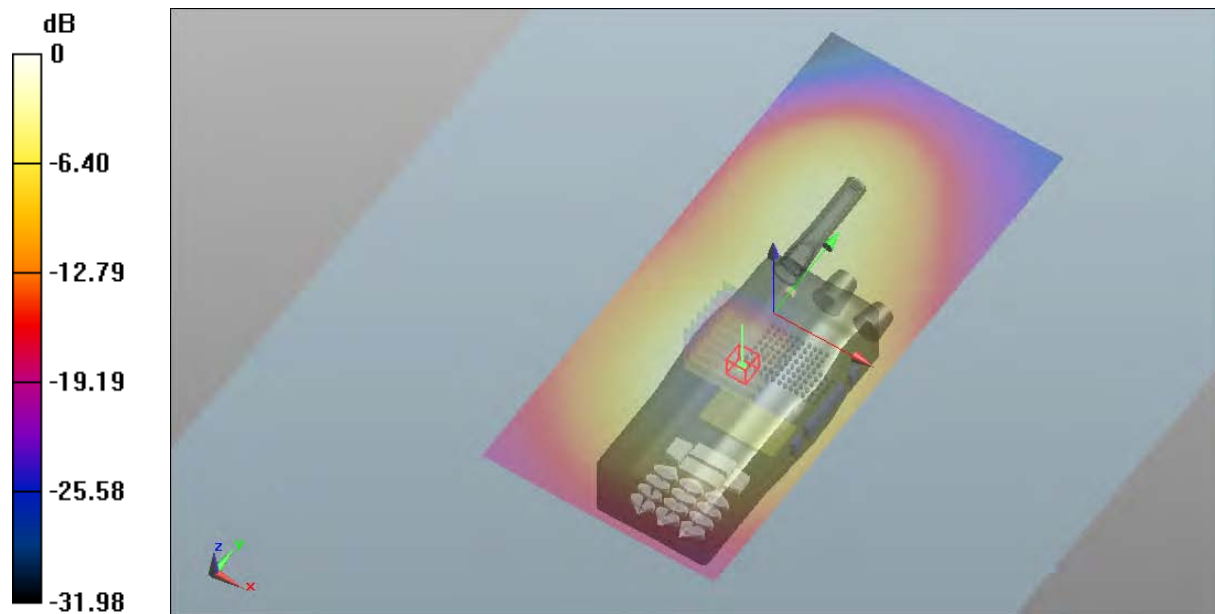
**Scan (8x7x7)/Cube 0:** Measurement grid:  $dx=5\text{mm}$ ,  $dy=5\text{mm}$ ,  $dz=5\text{mm}$

Reference Value = 51.213 V/m; Power Drift = -0.19 dB

Peak SAR (extrapolated) = 10.641 mW/g

**SAR(1 g) = 8.95 mW/g** (SAR corrected for target medium)

Maximum value of SAR (measured) = 8.97 W/kg



0 dB = 9.69 W/kg = 19.73 dB W/kg

**SAR MEASUREMENT PLOT 46**

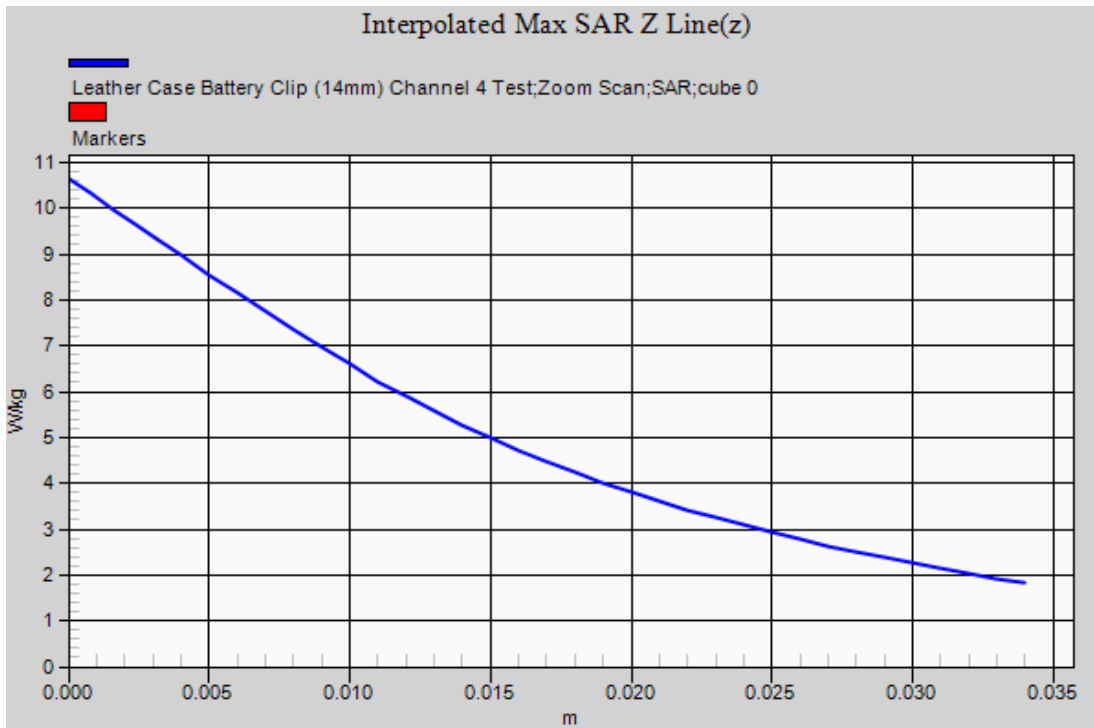
Ambient Temperature  
Liquid Temperature  
Humidity

20.5 Degrees Celsius  
20.1 Degrees Celsius  
39.0 %



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Test Date: 05 February 2013

File Name: M121023 850 MHz Body Worn Antenna Half-wave 05-02-13.da52:0

DUT: Tait PTT Transceiver; Type: TPK5A; Serial: 25383160

- \* Communication System: CW; Frequency: 823.987 MHz; Duty Cycle: 1:1
- \* Medium parameters used:  $f = 824 \text{ MHz}$ ;  $\sigma = 0.963 \text{ mho/m}$ ;  $\epsilon_r = 53.881$ ;  $\rho = 1000 \text{ kg/m}^3$
- Electronics: DAE3 Sn442; Probe: ET3DV6 - SN1380; ConvF(6, 6, 6); Calibrated: 10/12/2012
- Phantom: ELI 4.0; Serial: 1101; Phantom section: Flat Section

**Configuration/Leather Case Battery Clip (14mm) Channel 4 Test/Area**

**Scan (81x241x1):** Interpolated grid:  $dx=1.500 \text{ mm}$ ,  $dy=1.500 \text{ mm}$

Maximum value of SAR (interpolated) = 6.78 W/kg

**Configuration/Leather Case Battery Clip (14mm) Channel 4 Test/Zoom**

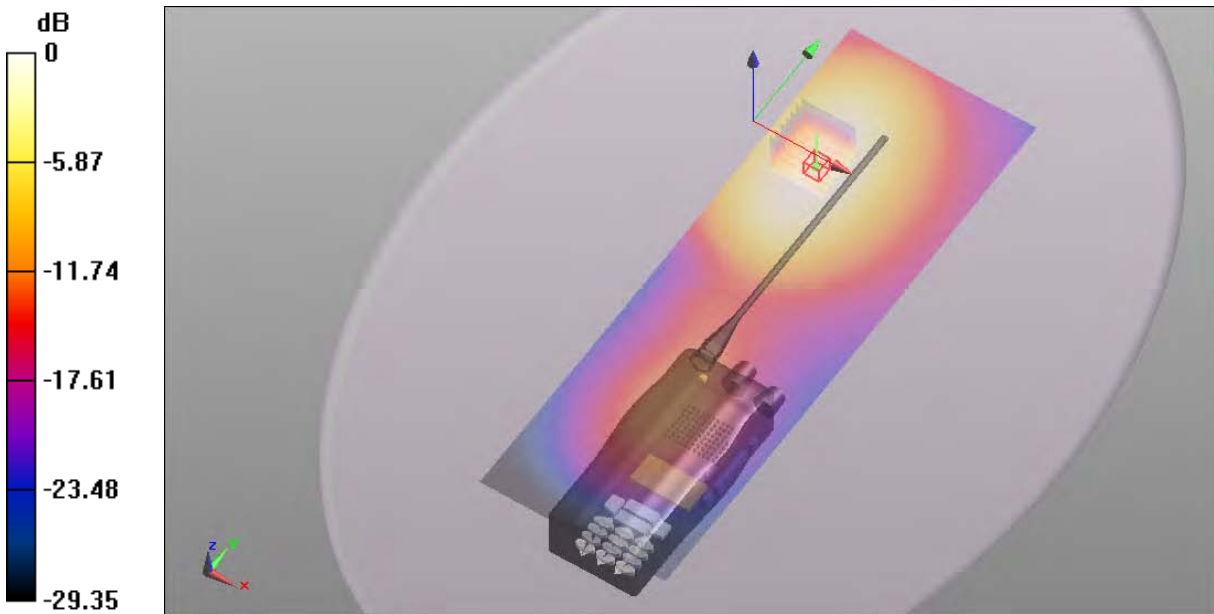
**Scan (8x7x7)/Cube 0:** Measurement grid:  $dx=5\text{mm}$ ,  $dy=5\text{mm}$ ,  $dz=5\text{mm}$

Reference Value = 27.123 V/m; Power Drift = -0.16 dB

Peak SAR (extrapolated) = 8.033 mW/g

**SAR(1 g) = 6.52 mW/g** (SAR corrected for target medium)

Maximum value of SAR (measured) = 6.55 W/kg



0 dB = 6.78 W/kg = 16.62 dB W/kg

**SAR MEASUREMENT PLOT 47**

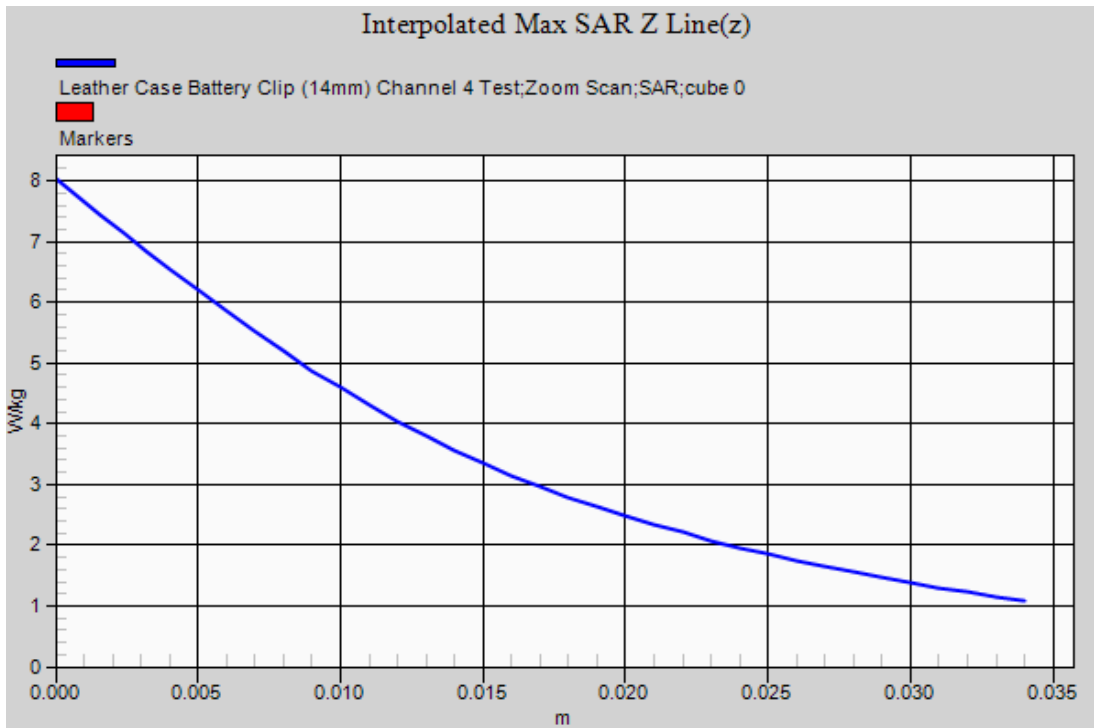
Ambient Temperature  
Liquid Temperature  
Humidity

20.3 Degrees Celsius  
19.8 Degrees Celsius  
52.0 %



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Test Date: 1 February 2013

File Name: M121023 750 MHz Body Worn Antenna Quarter-wave 01-02-12.da52:0

DUT: Tait PTT Transceiver; Type: TPK5A; Serial: 25383160

- \* Communication System: CW; Frequency: 868.987 MHz; Duty Cycle: 1:1
- \* Medium parameters used:  $f = 868 \text{ MHz}$ ;  $\sigma = 1.009 \text{ mho/m}$ ;  $\epsilon_r = 52.916$ ;  $\rho = 1000 \text{ kg/m}^3$
- Electronics: DAE3 Sn442; Probe: ET3DV6 - SN1380; ConvF(6, 6, 6); Calibrated: 10/12/2012
- Phantom: ELI 4.0; Serial: 1101; Phantom section: Flat Section

**Configuration/Leather Case Spring clip (17mm) Channel 5 Test/Area**

**Scan (81x201x1):** Interpolated grid:  $dx=1.500 \text{ mm}$ ,  $dy=1.500 \text{ mm}$

Maximum value of SAR (interpolated) = 6.45 W/kg

**Configuration/Leather Case Spring clip (17mm) Channel 5 Test/Zoom**

**Scan (8x7x7)/Cube 0:** Measurement grid:  $dx=5\text{mm}$ ,  $dy=5\text{mm}$ ,  $dz=5\text{mm}$

Reference Value = 37.563 V/m; Power Drift = -0.07 dB

Peak SAR (extrapolated) = 7.319 mW/g

**SAR(1 g) = 5.52 mW/g**

Maximum value of SAR (measured) = 6.12 W/kg



0 dB = 6.45 W/kg = 16.19 dB W/kg

**SAR MEASUREMENT PLOT 48**

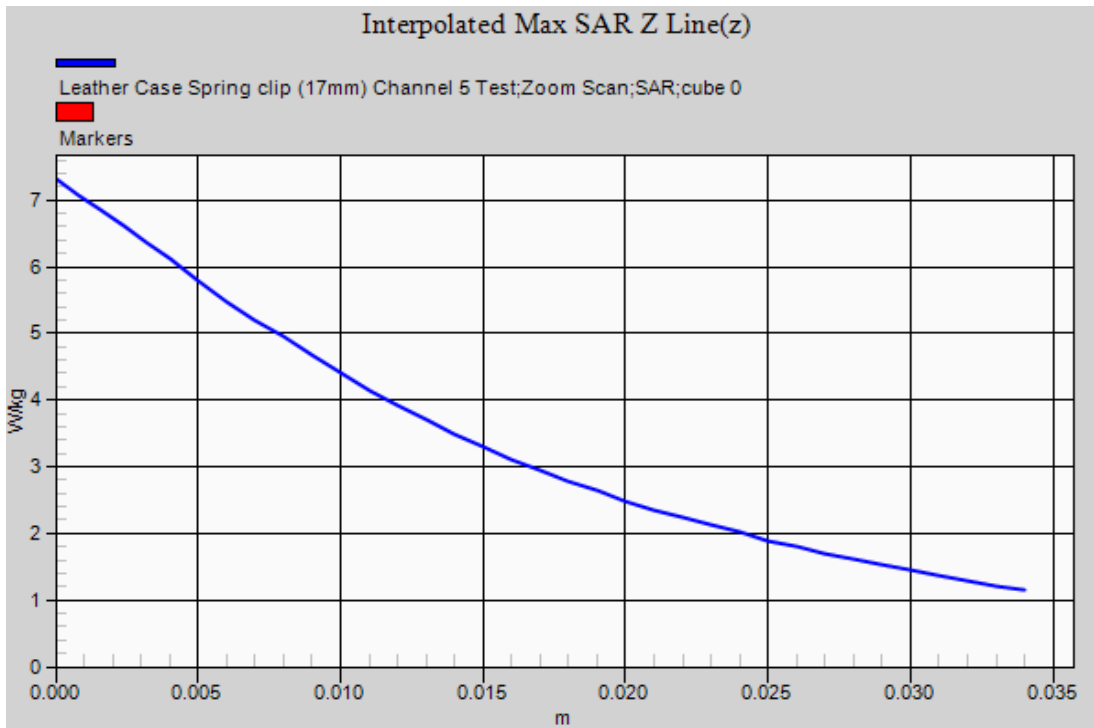
Ambient Temperature  
Liquid Temperature  
Humidity

20.6 Degrees Celsius  
20.2 Degrees Celsius  
53.0 %



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Test Date: 5 February 2013

File Name: M121023 850 MHz Body Worn Antenna Helical 05-02-12a.da52:0

DUT: Tait PTT Transceiver; Type: TPK5A; Serial: 25383160

- \* Communication System: CW; Frequency: 868.987 MHz; Duty Cycle: 1:1
- \* Medium parameters used:  $f = 868 \text{ MHz}$ ;  $\sigma = 1.009 \text{ mho/m}$ ;  $\epsilon_r = 53.451$ ;  $\rho = 1000 \text{ kg/m}^3$
- Electronics: DAE3 Sn442; Probe: ET3DV6 - SN1380; ConvF(6, 6, 6); Calibrated: 10/12/2012
- Phantom: ELI 4.0; Serial: 1101; Phantom section: Flat Section

**Configuration/Leather Case Battery Clip (14mm) Channel 5 Test/Area**

**Scan (81x241x1):** Interpolated grid:  $dx=1.500 \text{ mm}$ ,  $dy=1.500 \text{ mm}$

Maximum value of SAR (interpolated) = 7.85 W/kg

**Configuration/Leather Case Battery Clip (14mm) Channel 5 Test/Zoom**

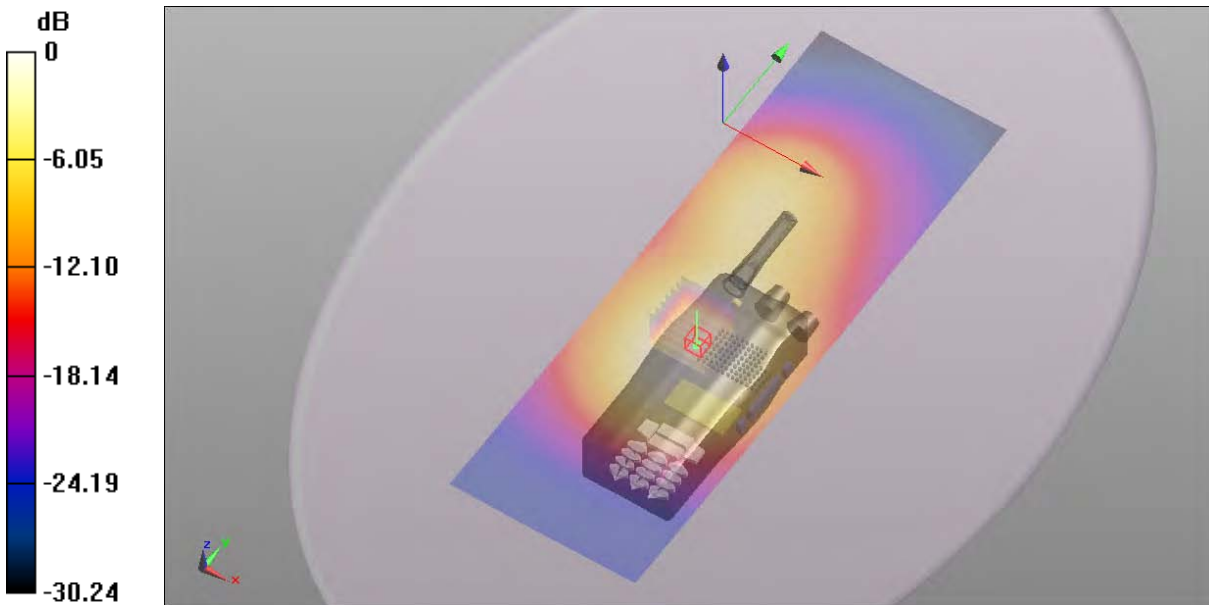
**Scan (8x7x7)/Cube 0:** Measurement grid:  $dx=5\text{mm}$ ,  $dy=5\text{mm}$ ,  $dz=5\text{mm}$

Reference Value = 45.123 V/m; Power Drift = -0.13 dB

Peak SAR (extrapolated) = 8.676 mW/g

**SAR(1 g) = 6.85 mW/g**

Maximum value of SAR (measured) = 7.27 W/kg



0 dB = 7.85 W/kg = 17.90 dB W/kg

**SAR MEASUREMENT PLOT 49**

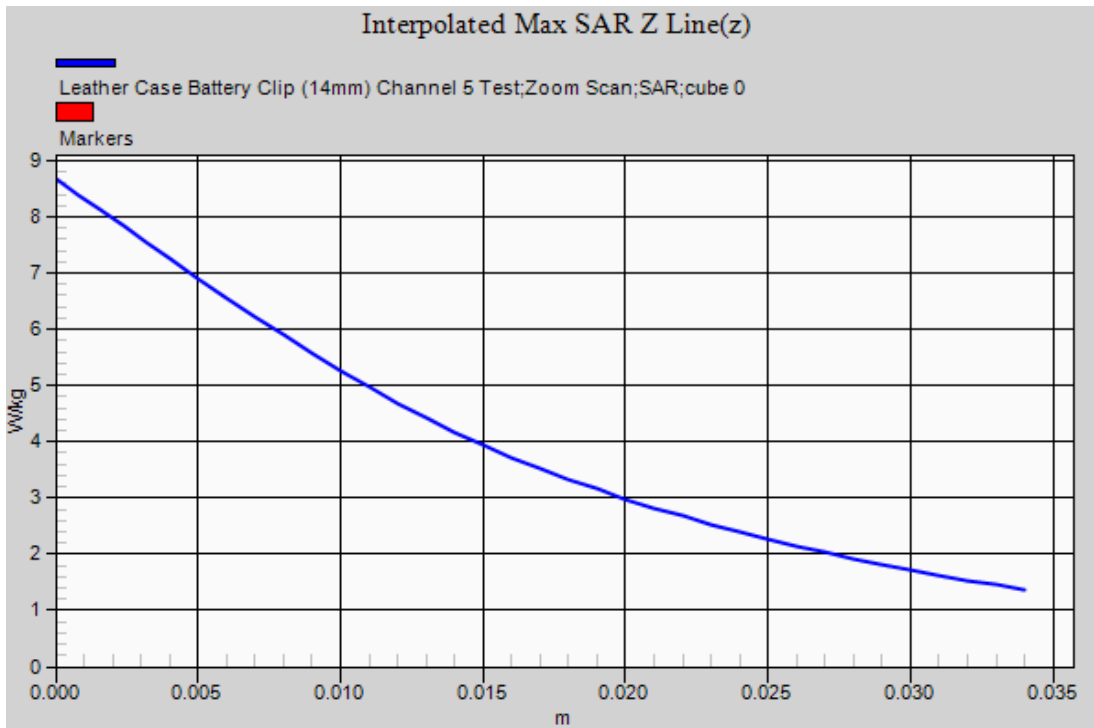
Ambient Temperature  
Liquid Temperature  
Humidity

20.3 Degrees Celsius  
19.8 Degrees Celsius  
52.0 %



Accredited for compliance with ISO/IEC 17025. The results of the test, calibrations and/or measurement included in this document are traceable to Australian/national standards. NATA is a signatory to the ILAC Mutual Recognition Arrangement for the mutual recognition of the equivalence of testing, calibration and inspection reports.

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Test Date: 30 January 2013

File Name: M121023 750 MHz Body Worn Antenna Quarter-wave High Capacity Battery 30-01-12.da52:0

DUT: Tait PTT Transceiver; Type: TPK5A; Serial: 25383160

\* Communication System: CW; Frequency: 769.069 MHz; Duty Cycle: 1:1

\* Medium parameters used:  $f = 770$  MHz;  $\sigma = 0.939$  mho/m;  $\epsilon_r = 53.922$ ;  $\rho = 1000$  kg/m<sup>3</sup>

- Electronics: DAE3 Sn442; Probe: ET3DV6 - SN1380; ConvF(6.19, 6.19, 6.19); Calibrated: 10/12/2012

- Phantom: ELI 4.0; Serial: 1101; Phantom section: Flat Section

**Configuration/Leather Case Battery Clip (14mm) Channel 1 Test/Area**

**Scan (81x201x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 9.18 W/kg

**Configuration/Leather Case Battery Clip (14mm) Channel 1 Test/Zoom**

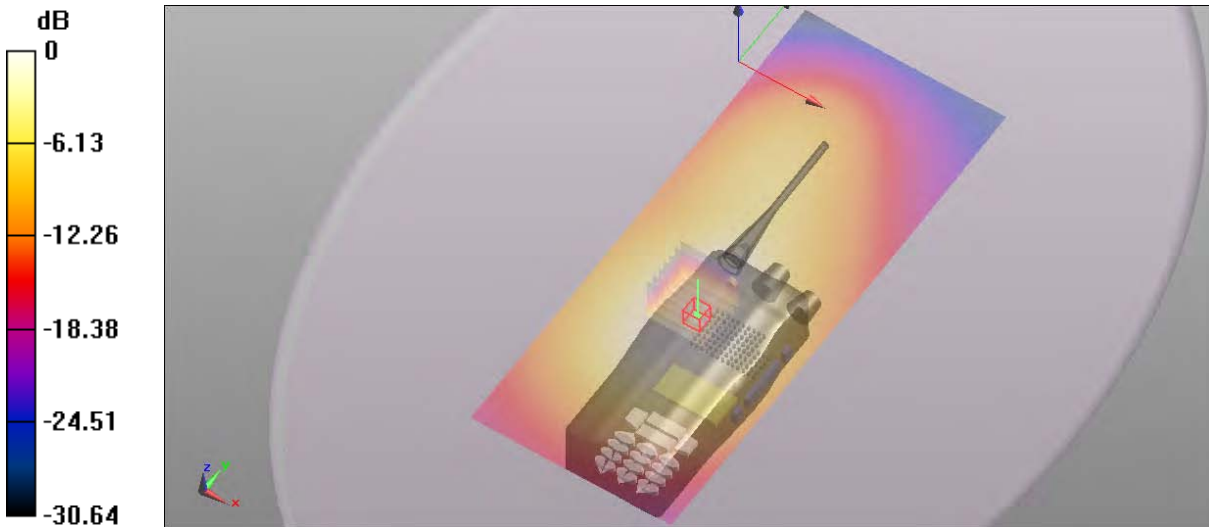
**Scan (8x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 52.723 V/m; Power Drift = -0.15 dB

Peak SAR (extrapolated) = 10.831 mW/g

**SAR(1 g) = 8.6 mW/g**

Maximum value of SAR (measured) = 9.07 W/kg



0 dB = 9.18 W/kg = 19.26 dB W/kg

**SAR MEASUREMENT PLOT 50**

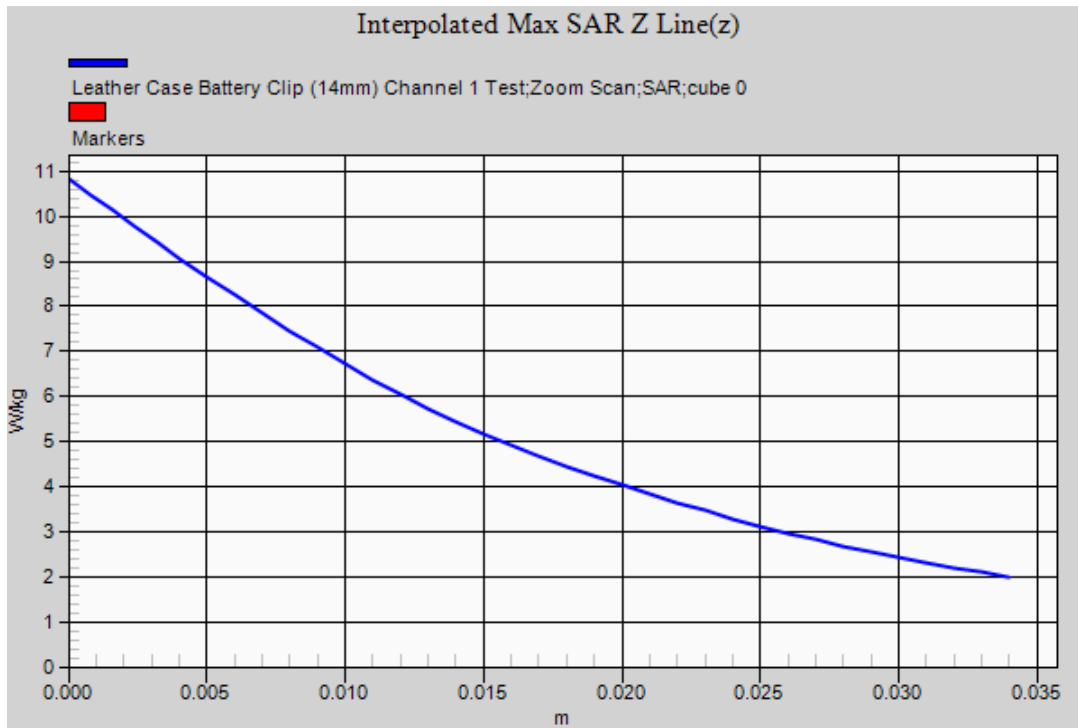
Ambient Temperature  
Liquid Temperature  
Humidity

20.5 Degrees Celsius  
20.1 Degrees Celsius  
51.0 %



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Test Date: 30 January 2013

File Name: M121023 750 MHz Body Worn Antenna Helical High Capacity Battery 30-01-12.da52:0

DUT: Tait PTT Transceiver; Type: TPK5A; Serial: 25383160

- \* Communication System: CW; Frequency: 769.069 MHz; Duty Cycle: 1:1
- \* Medium parameters used:  $f = 770$  MHz;  $\sigma = 0.939$  mho/m;  $\epsilon_r = 53.922$ ;  $\rho = 1000$  kg/m<sup>3</sup>
- Electronics: DAE3 Sn442; Probe: ET3DV6 - SN1380; ConvF(6.19, 6.19, 6.19); Calibrated: 10/12/2012
- Phantom: ELI 4.0; Serial: 1101; Phantom section: Flat Section

**Configuration/Leather Case Battery Clip (14mm) Channel 1 Test/Area**

**Scan (81x201x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 9.50 W/kg

**Configuration/Leather Case Battery Clip (14mm) Channel 1 Test/Zoom**

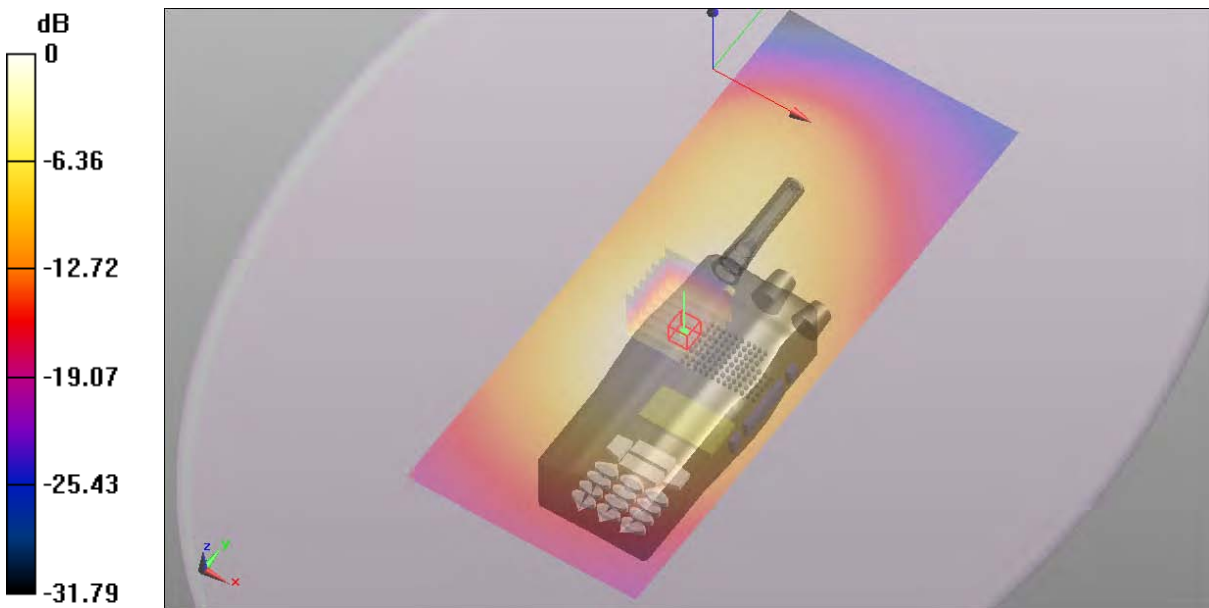
**Scan (8x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 54.656 V/m; Power Drift = -0.10 dB

Peak SAR (extrapolated) = 11.114 mW/g

**SAR(1 g) = 8.79 mW/g**

Maximum value of SAR (measured) = 9.31 W/kg



0 dB = 9.50 W/kg = 19.55 dB W/kg

**SAR MEASUREMENT PLOT 51**

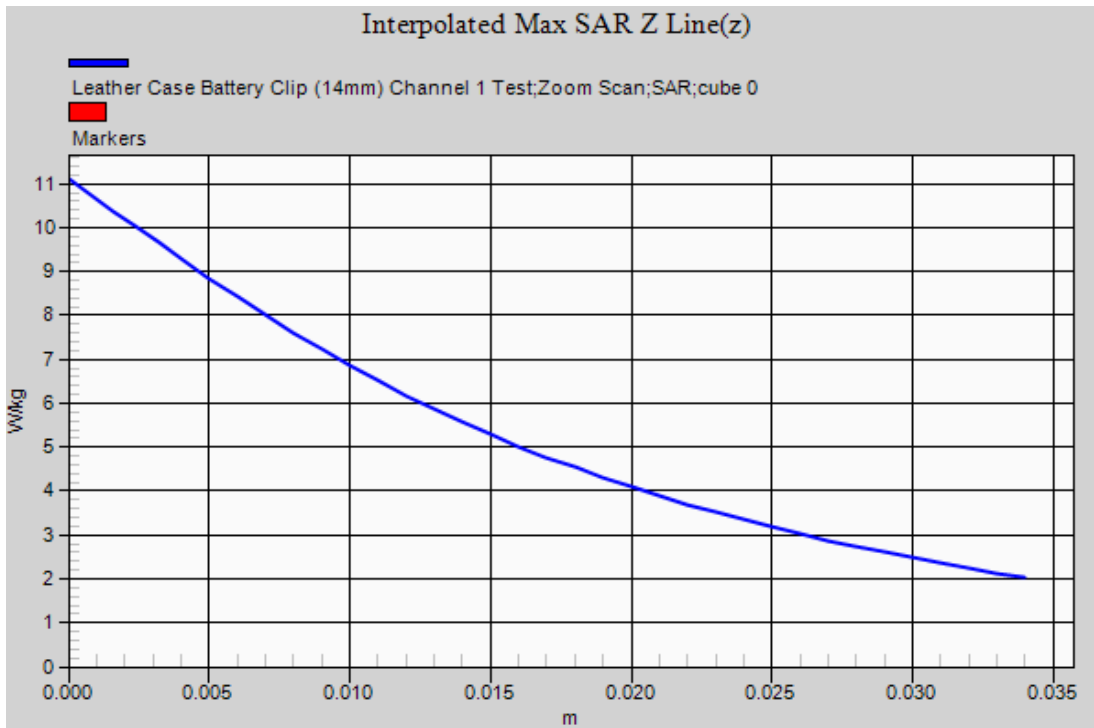
Ambient Temperature  
Liquid Temperature  
Humidity

20.5 Degrees Celsius  
20.1 Degrees Celsius  
51.0 %



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Test Date: 24 October 2012

File Name: M121023 750 MHz Body Worn Antenna Quarter-wave High capacity Battery 24-10-12.da52:0

DUT: Tait PTT Transceiver; Type: TPK5A; Serial: 25383160

- \* Communication System: CW; Frequency: 799.069 MHz; Duty Cycle: 1:1
- \* Medium parameters used:  $f = 800$  MHz;  $\sigma = 0.958$  mho/m;  $\epsilon_r = 57.419$ ;  $\rho = 1000$  kg/m<sup>3</sup>
- Electronics: DAE3 Sn442; Probe: ET3DV6 - SN1380; ConvF(6.13, 6.13, 6.13); Calibrated: 13/07/2012
- Phantom: Flat Phantom 9.1; Serial: P 9.1; Phantom section: Flat 2.2 Section

**Configuration/Leather Case Battery Clip (14mm) Channel 2 Test/Area**

**Scan (81x201x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 10.8 W/kg

**Configuration/Leather Case Battery Clip (14mm) Channel 2 Test/Zoom**

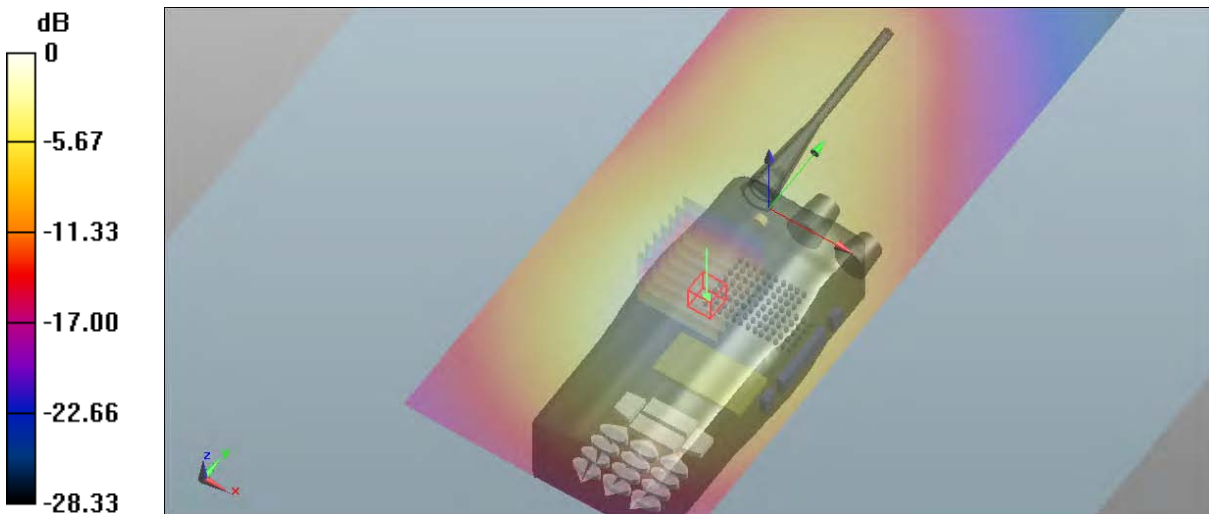
**Scan (8x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 46.511 V/m; Power Drift = -0.14 dB

Peak SAR (extrapolated) = 14.252 mW/g

**SAR(1 g) = 9.66 mW/g**

Maximum value of SAR (measured) = 10.1 W/kg



0 dB = 10.8 W/kg = 20.67 dB W/kg

**SAR MEASUREMENT PLOT 52**

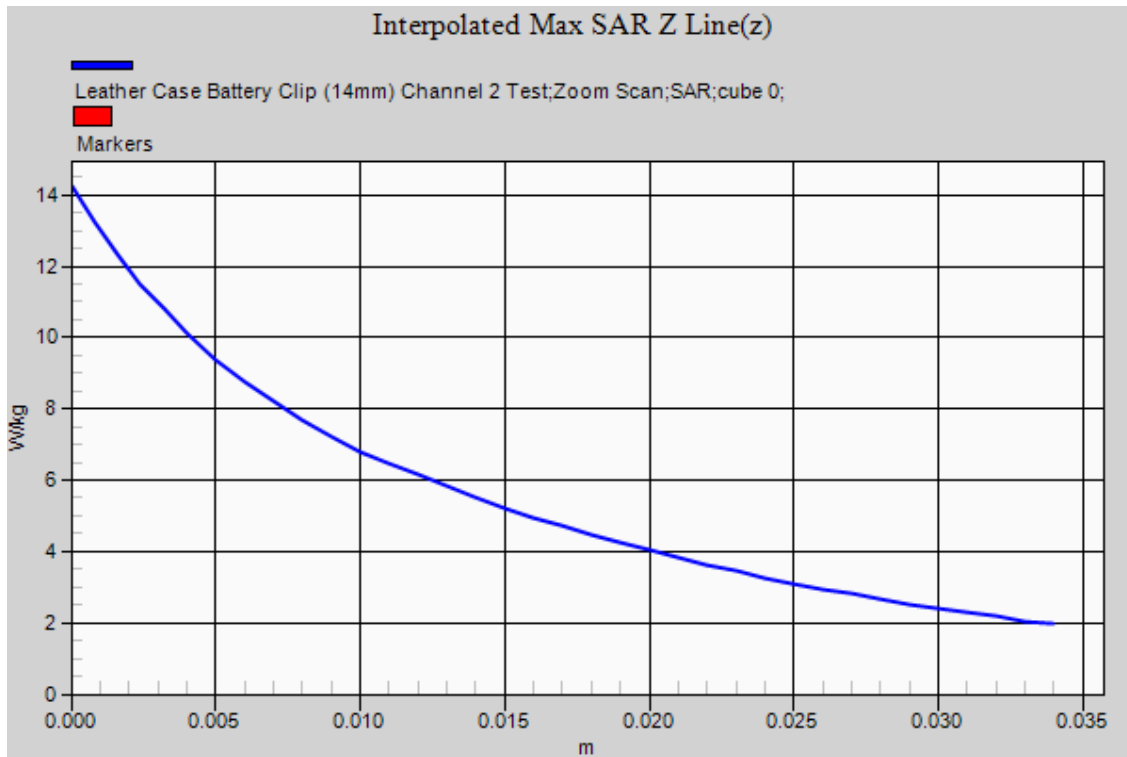
Ambient Temperature  
Liquid Temperature  
Humidity

20.4 Degrees Celsius  
20.0 Degrees Celsius  
37.0%



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Test Date: 26 October 2012

File Name: M121023 750 MHz Body Worn Antenna Helical High capacity Battery 26-10-12.da52:0

DUT: Tait PTT Transceiver; Type: TPK5A; Serial: 25383160

\* Communication System: CW; Frequency: 799.069 MHz; Duty Cycle: 1:1

\* Medium parameters used:  $f = 800 \text{ MHz}$ ;  $\sigma = 0.968 \text{ mho/m}$ ;  $\epsilon_r = 53.717$ ;  $\rho = 1000 \text{ kg/m}^3$

- Electronics: DAE3 Sn442; Probe: ET3DV6 - SN1380; ConvF(6.13, 6.13, 6.13); Calibrated: 13/07/2012

- Phantom: Flat Phantom 9.1; Serial: P 9.1; Phantom section: Flat 2.2 Section

**Configuration/Leather Case Battery Clip (14mm) Channel 2 Test/Area**

**Scan (81x181x1):** Interpolated grid:  $dx=1.500 \text{ mm}$ ,  $dy=1.500 \text{ mm}$

Maximum value of SAR (interpolated) = 11.6 W/kg

**Configuration/Leather Case Battery Clip (14mm) Channel 2 Test/Zoom**

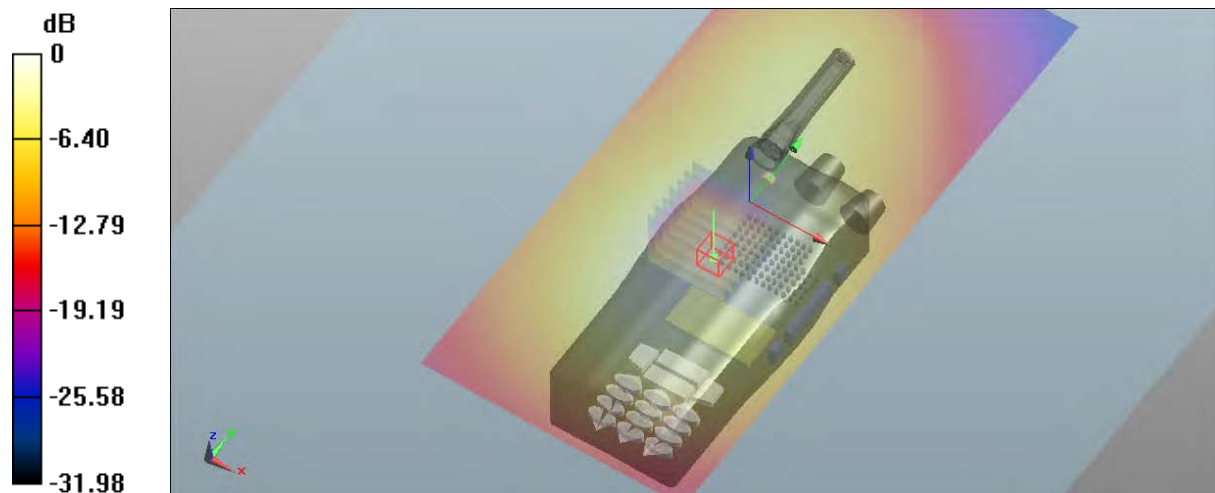
**Scan (8x7x7)/Cube 0:** Measurement grid:  $dx=5\text{mm}$ ,  $dy=5\text{mm}$ ,  $dz=5\text{mm}$

Reference Value = 52.331 V/m; Power Drift = -0.16 dB

Peak SAR (extrapolated) = 15.244 mW/g

**SAR(1 g) = 10.4 mW/g**

Maximum value of SAR (measured) = 10.9 W/kg



0 dB = 11.6 W/kg = 21.29 dB W/kg

**SAR MEASUREMENT PLOT 53**

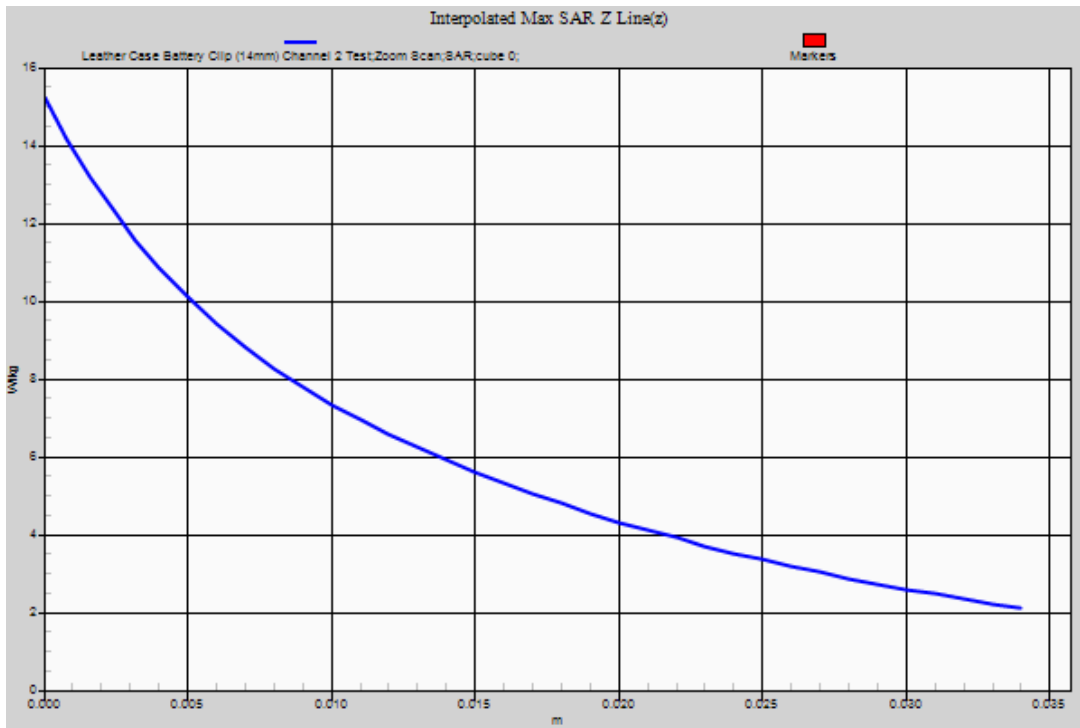
Ambient Temperature  
Liquid Temperature  
Humidity

20.4 Degrees Celsius  
20.0 Degrees Celsius  
42.0%



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Test Date: 01 February 2013

File Name: M121023 850 MHz Body Worn Antenna Quarter-wave High Capacity Battery 01-02-12\_da52:0

DUT: Tait PTT Transceiver; Type: TPK5A; Serial: 25383160

\* Communication System: CW; Frequency: 807.513 MHz; Duty Cycle: 1:1

\* Medium parameters used:  $f = 808 \text{ MHz}$ ;  $\sigma = 0.947 \text{ mho/m}$ ;  $\epsilon_r = 53.558$ ;  $\rho = 1000 \text{ kg/m}^3$

- Electronics: DAE3 Sn442; Probe: ET3DV6 - SN1380; ConvF(6, 6, 6); Calibrated: 10/12/2012

- Phantom: ELI 4.0; Serial: 1101; Phantom section: Flat Section

**Configuration/Leather Case Battery Clip (14mm) Channel 3 Test/Area**

**Scan (81x201x1):** Interpolated grid:  $dx=1.500 \text{ mm}$ ,  $dy=1.500 \text{ mm}$

Maximum value of SAR (interpolated) = 8.44 W/kg

**Configuration/Leather Case Battery Clip (14mm) Channel 3 Test/Zoom**

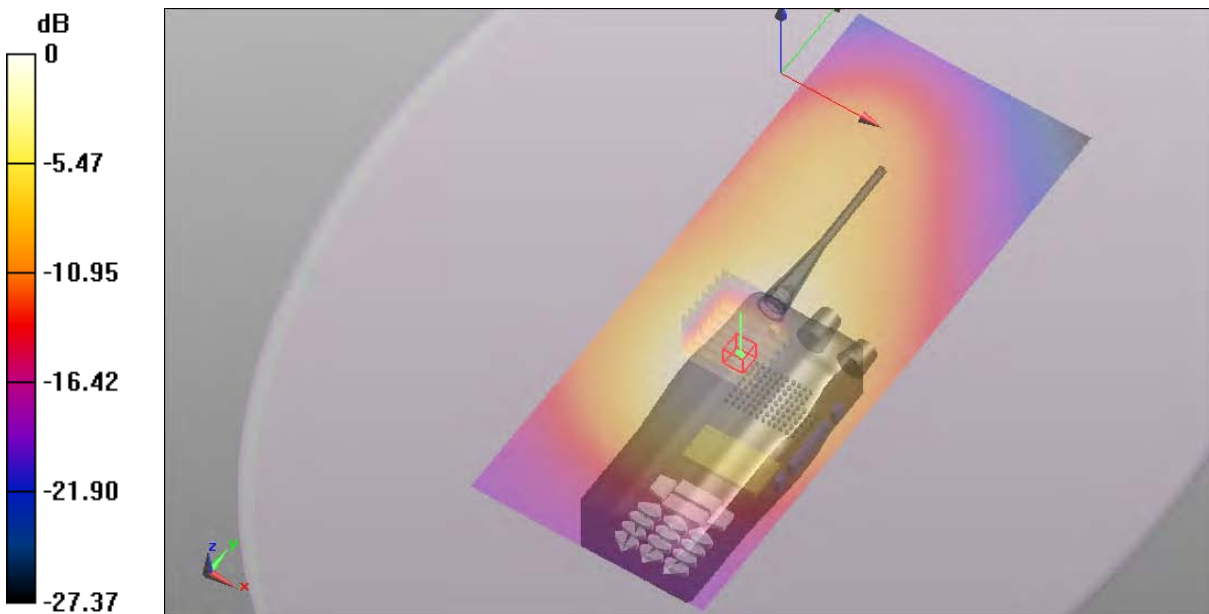
**Scan (8x7x7)/Cube 0:** Measurement grid:  $dx=5\text{mm}$ ,  $dy=5\text{mm}$ ,  $dz=5\text{mm}$

Reference Value = 50.365 V/m; Power Drift = -0.16 dB

Peak SAR (extrapolated) = 9.442 mW/g

**SAR(1 g) = 8.04 mW/g** (SAR corrected for target medium)

Maximum value of SAR (measured) = 8.00 W/kg



0 dB = 8.44 W/kg = 18.53 dB W/kg

**SAR MEASUREMENT PLOT 54**

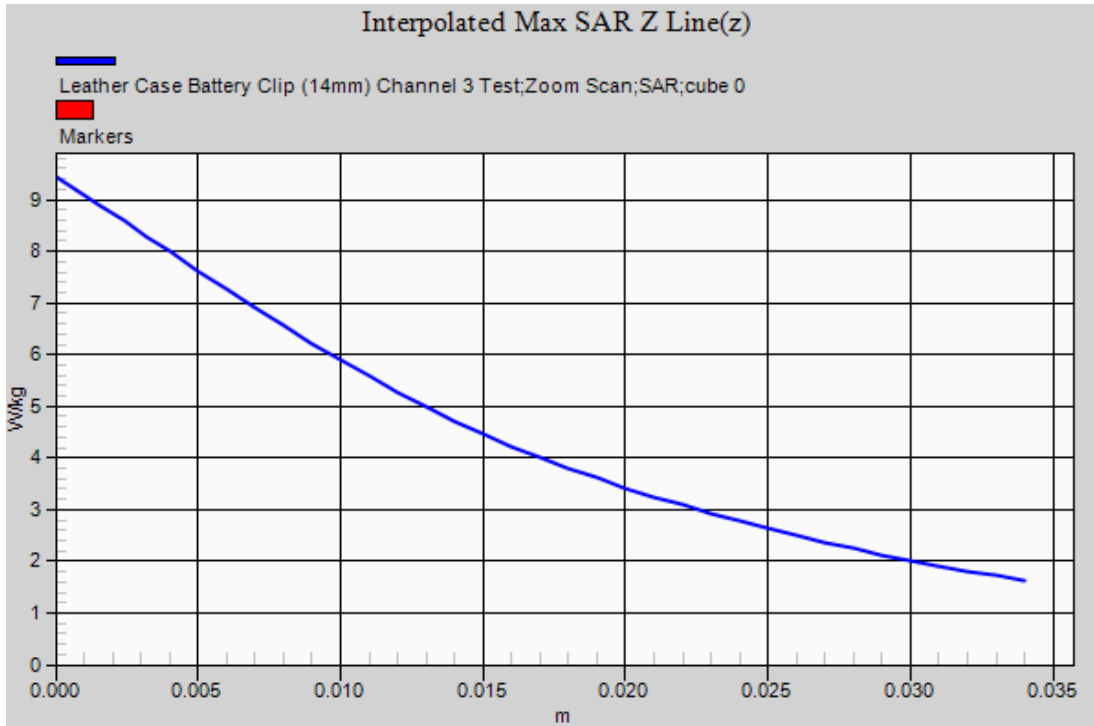
Ambient Temperature  
Liquid Temperature  
Humidity

20.6 Degrees Celsius  
20.2 Degrees Celsius  
53.0 %



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Test Date: 31 January 2013

File Name: M121023 850 MHz Body Worn Antenna Hellical High Capacity Battery 31-01-12.da52:0

DUT: Tait PTT Transceiver; Type: TPK5A; Serial: 25383160

\* Communication System: CW; Frequency: 807.513 MHz; Duty Cycle: 1:1

\* Medium parameters used:  $f = 808 \text{ MHz}$ ;  $\sigma = 0.939 \text{ mho/m}$ ;  $\epsilon_r = 53.354$ ;  $\rho = 1000 \text{ kg/m}^3$

- Electronics: DAE3 Sn442; Probe: ET3DV6 - SN1380; ConvF(6, 6, 6); Calibrated: 10/12/2012

- Phantom: ELI 4.0; Serial: 1101; Phantom section: Flat Section

**Configuration/Leather Case Battery Clip (14mm) Channel 3 Test/Area**

**Scan (81x201x1):** Interpolated grid:  $dx=1.500 \text{ mm}$ ,  $dy=1.500 \text{ mm}$

Maximum value of SAR (interpolated) = 8.47 W/kg

**Configuration/Leather Case Battery Clip (14mm) Channel 3 Test/Zoom**

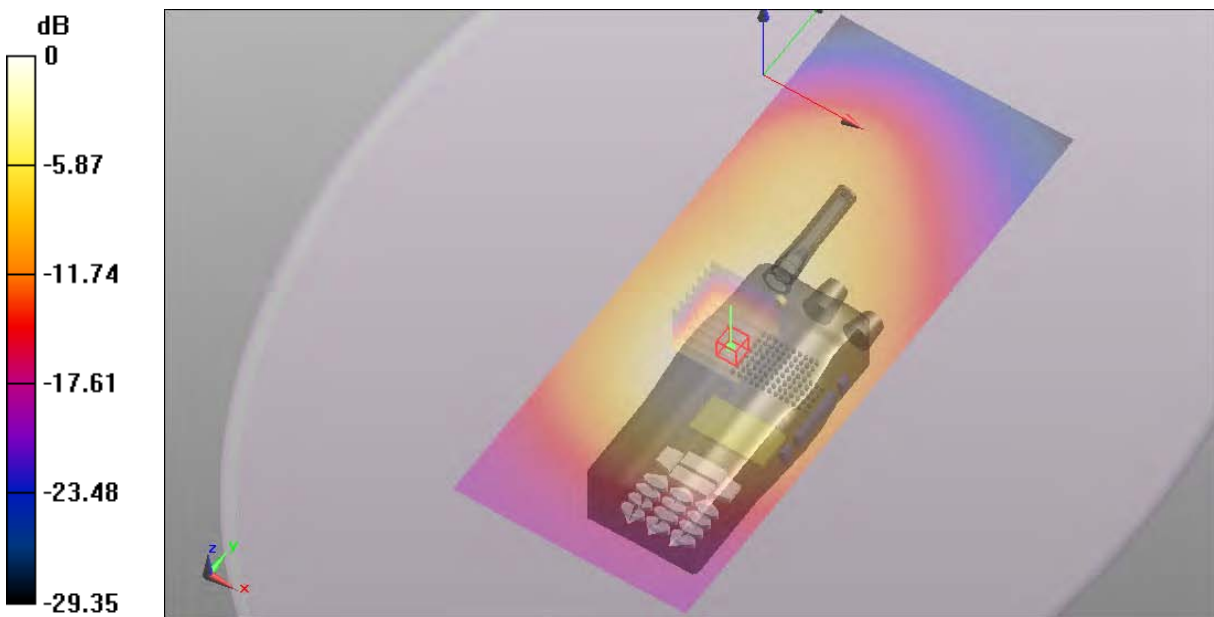
**Scan (8x7x7)/Cube 0:** Measurement grid:  $dx=5\text{mm}$ ,  $dy=5\text{mm}$ ,  $dz=5\text{mm}$

Reference Value = 54.325 V/m; Power Drift = -0.12 dB

Peak SAR (extrapolated) = 9.424 mW/g

**SAR(1 g) = 8.1 mW/g** (SAR corrected for target medium)

Maximum value of SAR (measured) = 8.02 W/kg



0 dB = 8.47 W/kg = 18.56 dB W/kg

**SAR MEASUREMENT PLOT 55**

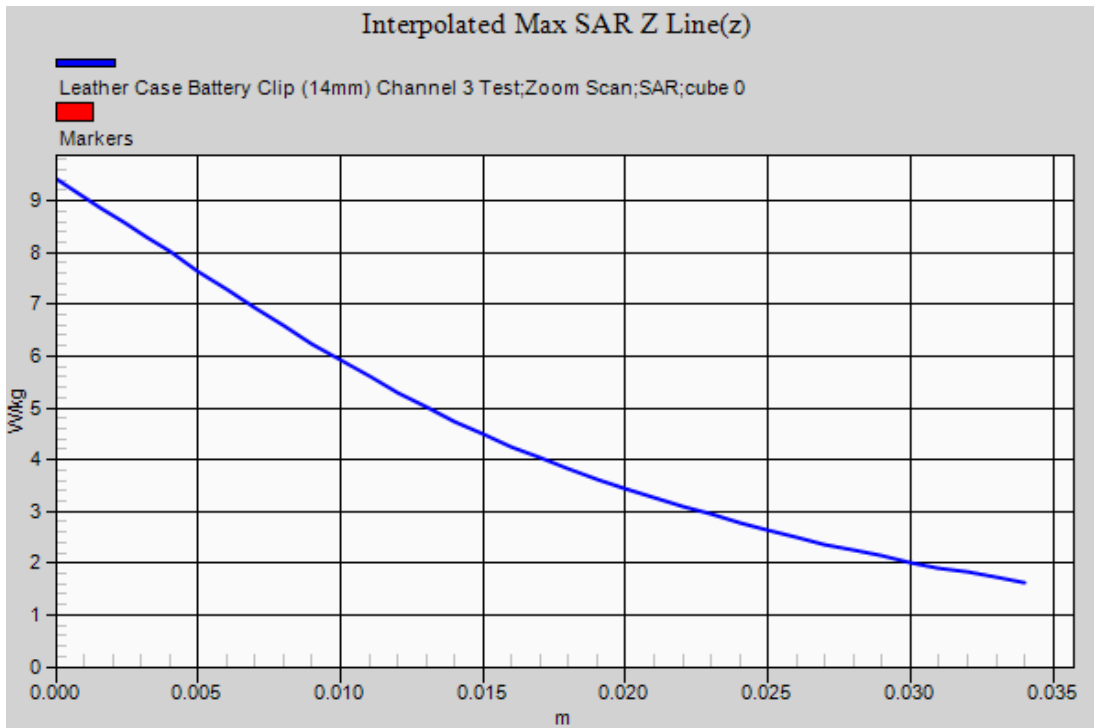
Ambient Temperature  
Liquid Temperature  
Humidity

20.3 Degrees Celsius  
19.9 Degrees Celsius  
50.0 %



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Test Date: 29 January 2013

File Name: M121023 750 MHz Body Worn Antenna Quarter-wave 29-01-12.da52:0

DUT: Tait PTT Transceiver; Type: TPK5A; Serial: 25383160

\* Communication System: CW; Frequency: 769.069 MHz; Duty Cycle: 1:1

\* Medium parameters used:  $f = 770$  MHz;  $\sigma = 0.946$  mho/m;  $\epsilon_r = 54.664$ ;  $\rho = 1000$  kg/m<sup>3</sup>

- Electronics: DAE3 Sn442; Probe: ET3DV6 - SN1380; ConvF(6.19, 6.19, 6.19); Calibrated: 10/12/2012

- Phantom: ELI 4.0; Serial: 1101; Phantom section: Flat Section

**Configuration/Leather Case Spring clip (17mm) Channel 1 Test/Area**

**Scan (81x201x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 12.0 W/kg

**Configuration/Leather Case Spring clip (17mm) Channel 1 Test/Zoom**

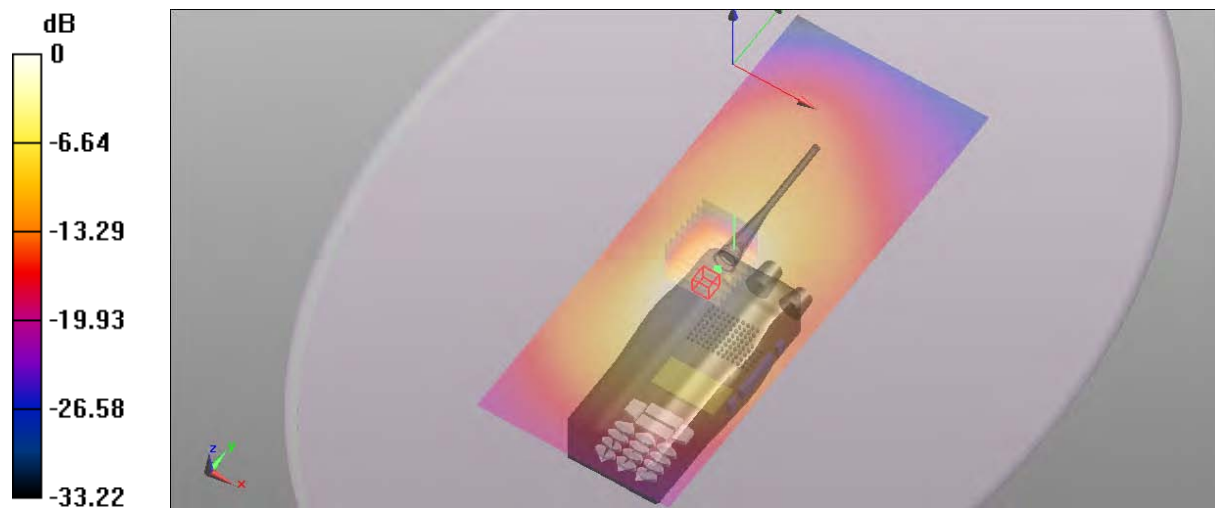
**Scan (8x8x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 47.161 V/m; Power Drift = -0.16 dB

Peak SAR (extrapolated) = 25.166 mW/g

**SAR(1 g) = 10.7 mW/g**

Maximum value of SAR (measured) = 11.9 W/kg



0 dB = 12.0 W/kg = 21.58 dB W/kg

**SAR MEASUREMENT PLOT 56**

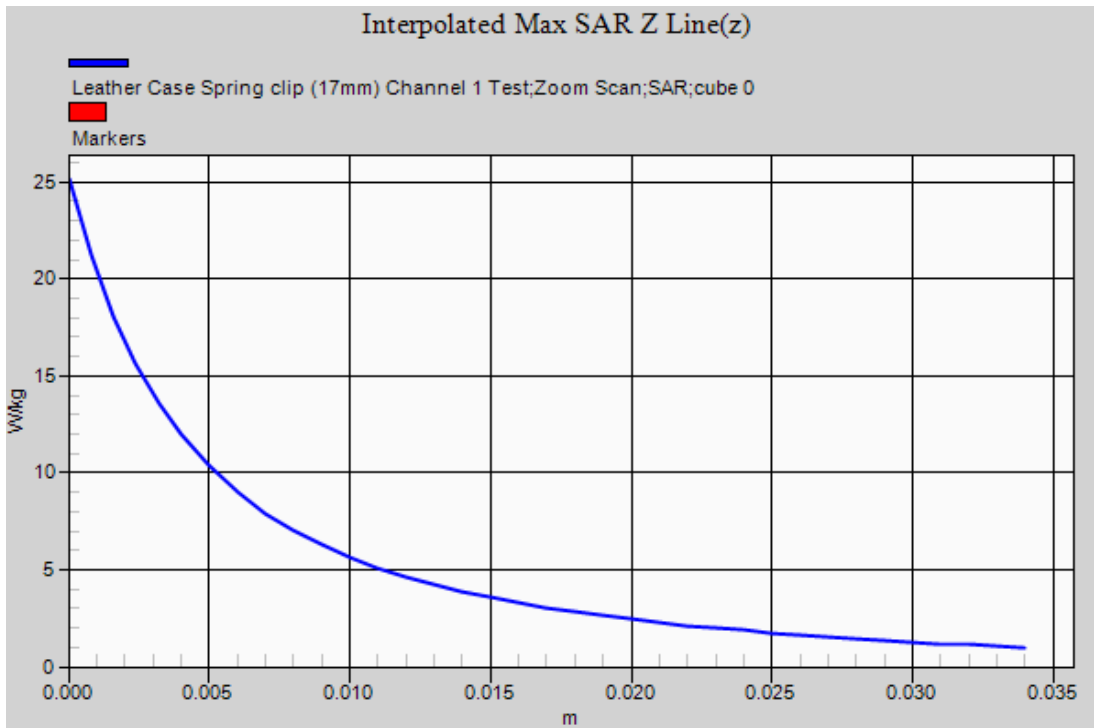
Ambient Temperature  
Liquid Temperature  
Humidity

20.2 Degrees Celsius  
19.8 Degrees Celsius  
56.0 %



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Test Date: 26 October 2012

File Name: M121023 750 MHz Body Worn Antenna Helical 26-10-12.da52:0

DUT: Tait PTT Transceiver; Type: TPK5A; Serial: 25383160

\* Communication System: CW; Frequency: 769.069 MHz; Duty Cycle: 1:1

\* Medium parameters used:  $f = 770$  MHz;  $\sigma = 0.932$  mho/m;  $\epsilon_r = 53.972$ ;  $\rho = 1000$  kg/m<sup>3</sup>

- Electronics: DAE3 Sn442; Probe: ET3DV6 - SN1380; ConvF(6.13, 6.13, 6.13); Calibrated: 13/07/2012

- Phantom: Flat Phantom 9.1; Serial: P 9.1; Phantom section: Flat 2.2 Section

**Configuration/Leather Case Spring clip (17mm) Channel 1 Test/Area**

**Scan (81x181x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 13.5 W/kg

**Configuration/Leather Case Spring clip (17mm) Channel 1 Test/Zoom**

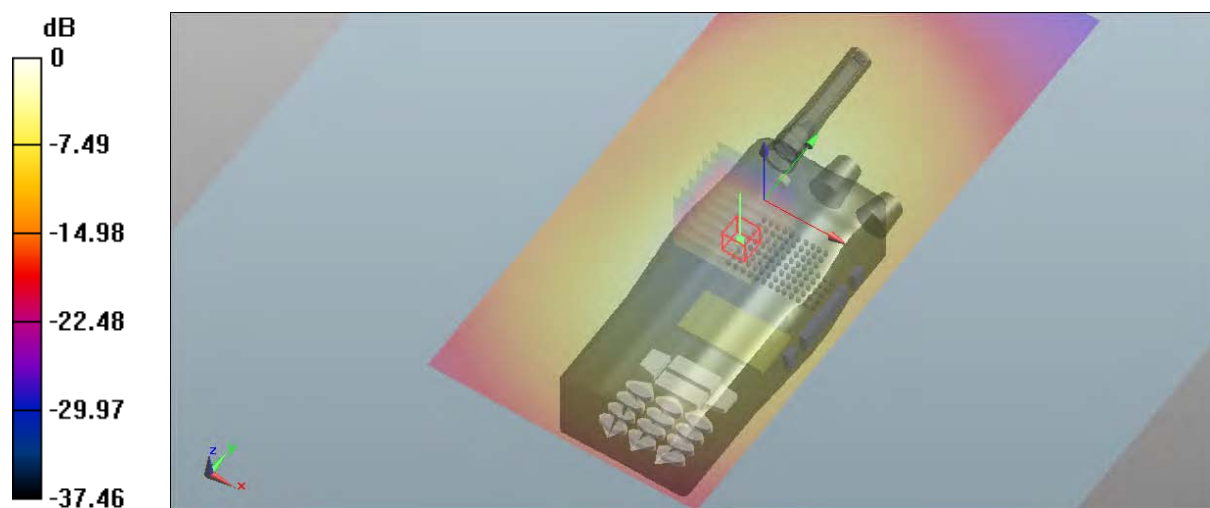
**Scan (8x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 42.173 V/m; Power Drift = -0.16 dB

Peak SAR (extrapolated) = 22.173 mW/g

**SAR(1 g) = 13 mW/g**

Maximum value of SAR (measured) = 13.7 W/kg



0 dB = 13.5 W/kg = 22.61 dB W/kg

**SAR MEASUREMENT PLOT 57**

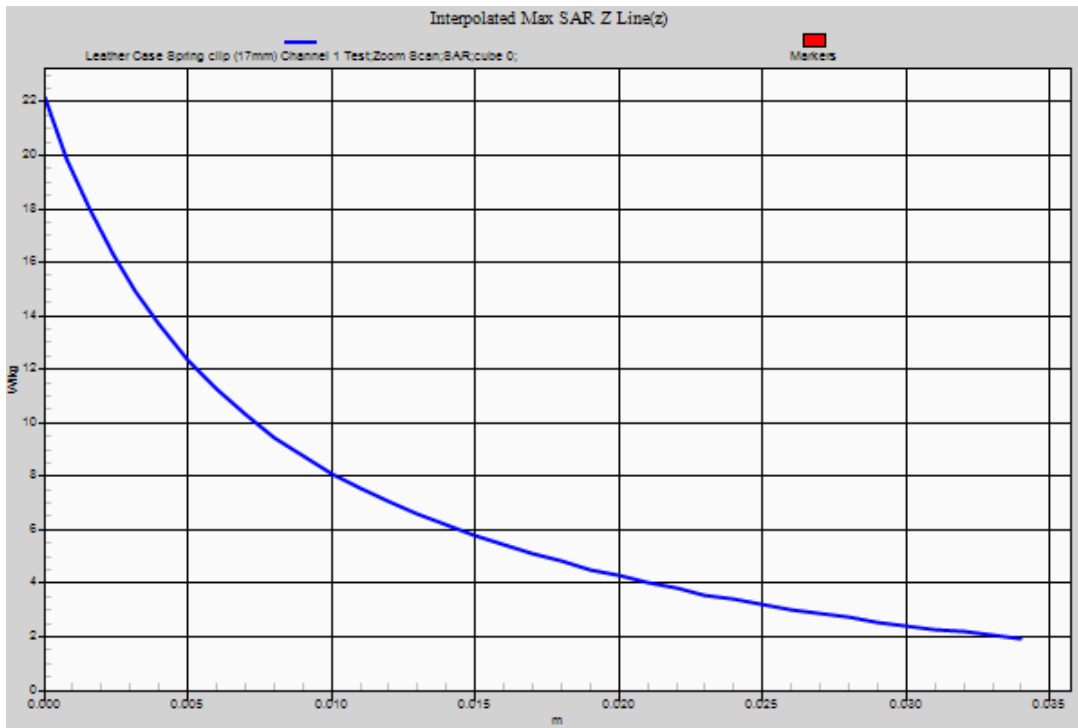
Ambient Temperature  
Liquid Temperature  
Humidity

20.4 Degrees Celsius  
20.0 Degrees Celsius  
42.0%



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Test Date: 23 October 2012

File Name: M121023 750 MHz Body Worn Antenna Quarter-wave 23-10-12.da52:0

DUT: Tait PTT Transceiver; Type: TPK5A; Serial: 25383160

\* Communication System: CW; Frequency: 799.069 MHz; Duty Cycle: 1:1

\* Medium parameters used:  $f = 800$  MHz;  $\sigma = 0.95$  mho/m;  $\epsilon_r = 55.794$ ;  $\rho = 1000$  kg/m<sup>3</sup>

- Electronics: DAE3 Sn442; Probe: ET3DV6 - SN1380; ConvF(6.13, 6.13, 6.13); Calibrated: 13/07/2012

- Phantom: Flat Phantom 9.1; Serial: P 9.1; Phantom section: Flat 2.2 Section

**Configuration/Leather Case Spring clip (17mm) Channel 2 Test/Area**

**Scan (81x201x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 15.7 W/kg

**Configuration/Leather Case Spring clip (17mm) Channel 2 Test/Zoom**

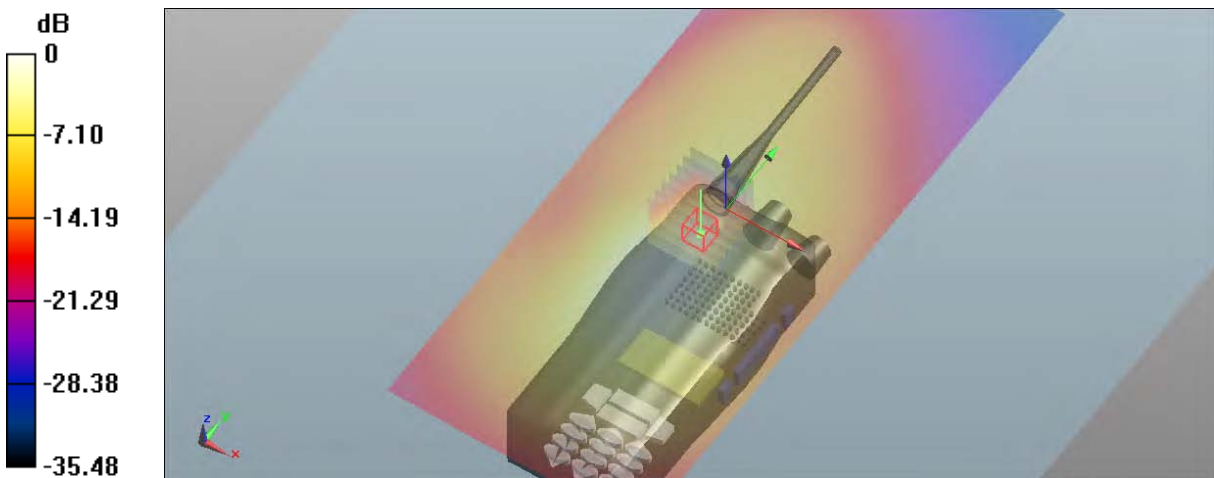
**Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 41.046 V/m; Power Drift = -0.13 dB

Peak SAR (extrapolated) = 33.590 mW/g

**SAR(1 g) = 13 mW/g**

Maximum value of SAR (measured) = 13.9 W/kg



0 dB = 15.7 W/kg = 23.92 dB W/kg

**SAR MEASUREMENT PLOT 58**

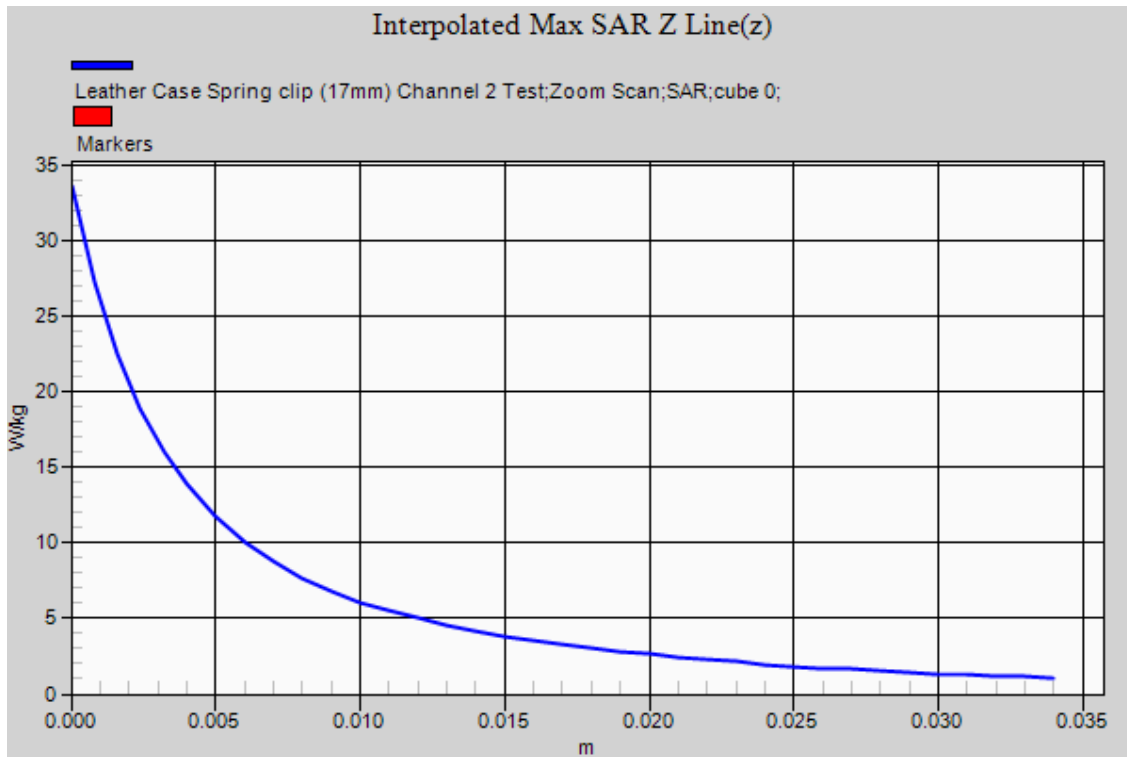
Ambient Temperature  
Liquid Temperature  
Humidity

20.6 Degrees Celsius  
20.2 Degrees Celsius  
41.0%



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Test Date: 26 October 2012

File Name: M121023 750 MHz Body Worn Antenna Helical 26-10-12.da52:0

DUT: Tait PTT Transceiver; Type: TPK5A; Serial: 25383160

\* Communication System: CW; Frequency: 799.069 MHz; Duty Cycle: 1:1

\* Medium parameters used:  $f = 800$  MHz;  $\sigma = 0.968$  mho/m;  $\epsilon_r = 53.717$ ;  $\rho = 1000$  kg/m<sup>3</sup>

- Electronics: DAE3 Sn442; Probe: ET3DV6 - SN1380; ConvF(6.13, 6.13, 6.13); Calibrated: 13/07/2012

- Phantom: Flat Phantom 9.1; Serial: P 9.1; Phantom section: Flat 2.2 Section

**Configuration/Leather Case Spring clip (17mm) Channel 2 Test/Area**

**Scan (81x181x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 15.7 W/kg

**Configuration/Leather Case Spring clip (17mm) Channel 2 Test/Zoom**

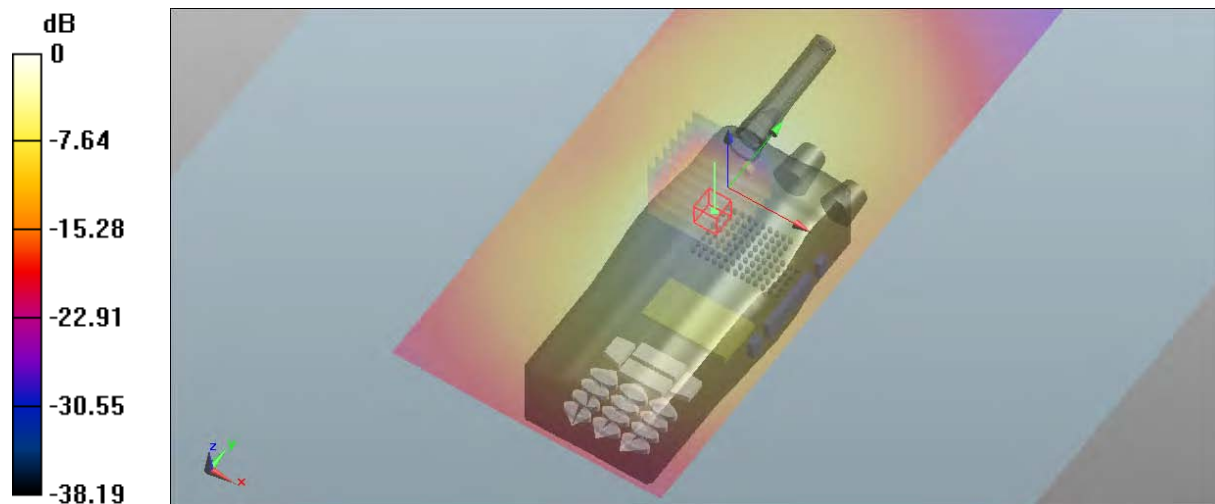
**Scan (8x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 43.845 V/m; Power Drift = -0.17 dB

Peak SAR (extrapolated) = 22.665 mW/g

**SAR(1 g) = 13.3 mW/g**

Maximum value of SAR (measured) = 14.1 W/kg



0 dB = 15.7 W/kg = 23.92 dB W/kg

**SAR MEASUREMENT PLOT 59**

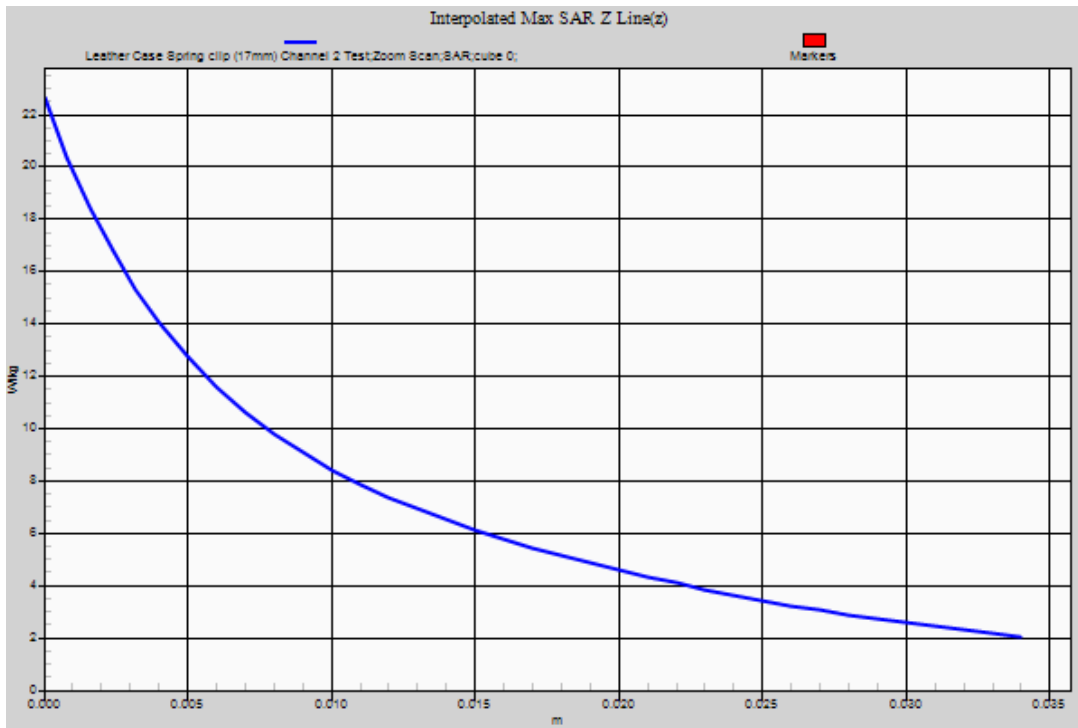
Ambient Temperature  
Liquid Temperature  
Humidity

20.4 Degrees Celsius  
20.0 Degrees Celsius  
42.0%



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Test Date: 22 October 2012

File Name: M121023 800 MHz Body Worn Antenna Half-wave 22-10-12.da52:0

DUT: Tait PTT Transceiver; Type: TPK5A; Serial: 25383160

\* Communication System: CW; Frequency: 807.513 MHz; Duty Cycle: 1:1

\* Medium parameters used:  $f = 808 \text{ MHz}$ ;  $\sigma = 0.952 \text{ mho/m}$ ;  $\epsilon_r = 53.752$ ;  $\rho = 1000 \text{ kg/m}^3$

- Electronics: DAE3 Sn442; Probe: ET3DV6 - SN1380; ConvF(5.94, 5.94, 5.94); Calibrated: 12/12/2011

- Phantom: Flat Phantom 9.1; Serial: P 9.1; Phantom section: Flat 2.2 Section

**Configuration/Leather Case Spring clip (17mm) Channel 3 Test/Area**

**Scan (81x241x1):** Interpolated grid:  $dx=1.500 \text{ mm}$ ,  $dy=1.500 \text{ mm}$

Maximum value of SAR (interpolated) = 6.31 W/kg

**Configuration/Leather Case Spring clip (17mm) Channel 3 Test/Zoom**

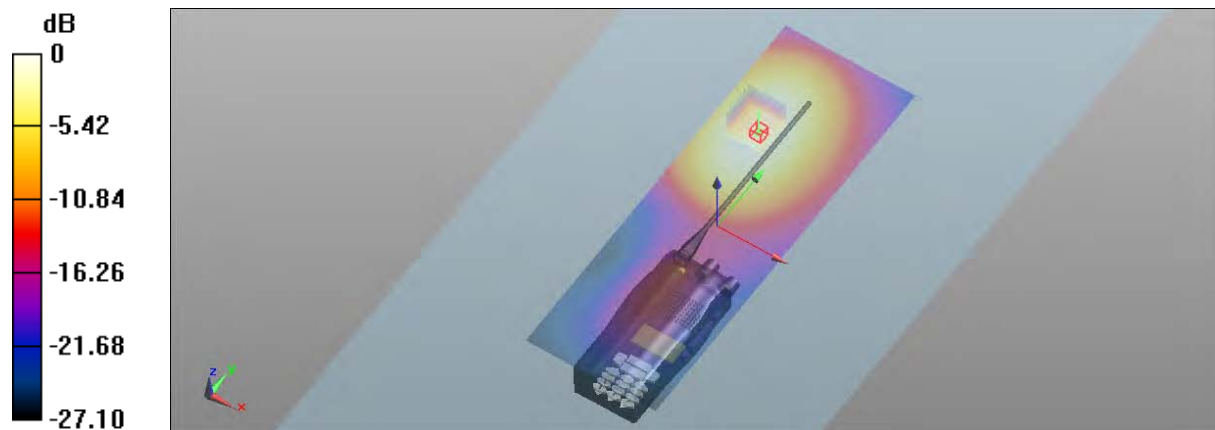
**Scan (8x7x7)/Cube 0:** Measurement grid:  $dx=5\text{mm}$ ,  $dy=5\text{mm}$ ,  $dz=5\text{mm}$

Reference Value = 39.470 V/m; Power Drift = -0.10 dB

Peak SAR (extrapolated) = 7.369 mW/g

**SAR(1 g) = 6.14 mW/g** (SAR corrected for target medium)

Maximum value of SAR (measured) = 6.16 W/kg



0 dB = 6.31 W/kg = 16.00 dB W/kg

**SAR MEASUREMENT PLOT 60**

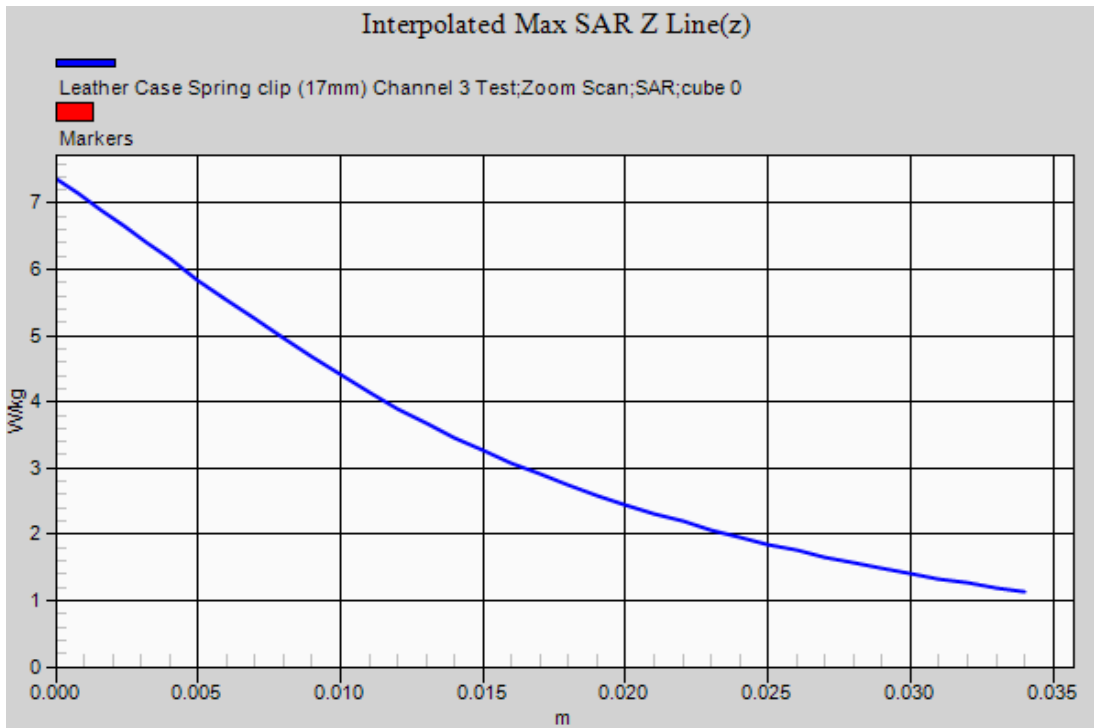
Ambient Temperature  
Liquid Temperature  
Humidity

20.4 Degrees Celsius  
20.1 Degrees Celsius  
41.0 %



Accredited for compliance with ISO/IEC 17025. The results of the test, calibrations and/or measurement included in this document are traceable to Australian/national standards. NATA is a signatory to the ILAC Mutual Recognition Arrangement for the mutual recognition of the equivalence of testing, calibration and inspection reports.

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Test Date: 22 October 2012

File Name: M121023 850 MHz Body Worn Antenna Quarter-wave 22-10-12.da52:0

DUT: Tait PTT Transceiver; Type: TPK5A; Serial: 25383160

\* Communication System: CW; Frequency: 807.513 MHz; Duty Cycle: 1:1

\* Medium parameters used:  $f = 808$  MHz;  $\sigma = 0.952$  mho/m;  $\epsilon_r = 53.752$ ;  $\rho = 1000$  kg/m<sup>3</sup>

- Electronics: DAE3 Sn442; Probe: ET3DV6 - SN1380; ConvF(5.94, 5.94, 5.94); Calibrated: 12/12/2011

- Phantom: Flat Phantom 9.1; Serial: P 9.1; Phantom section: Flat 2.2 Section

**Configuration/Leather Case Spring clip (17mm) Channel 3 Test/Area**

**Scan (81x201x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 13.9 W/kg

**Configuration/Leather Case Spring clip (17mm) Channel 3 Test/Zoom**

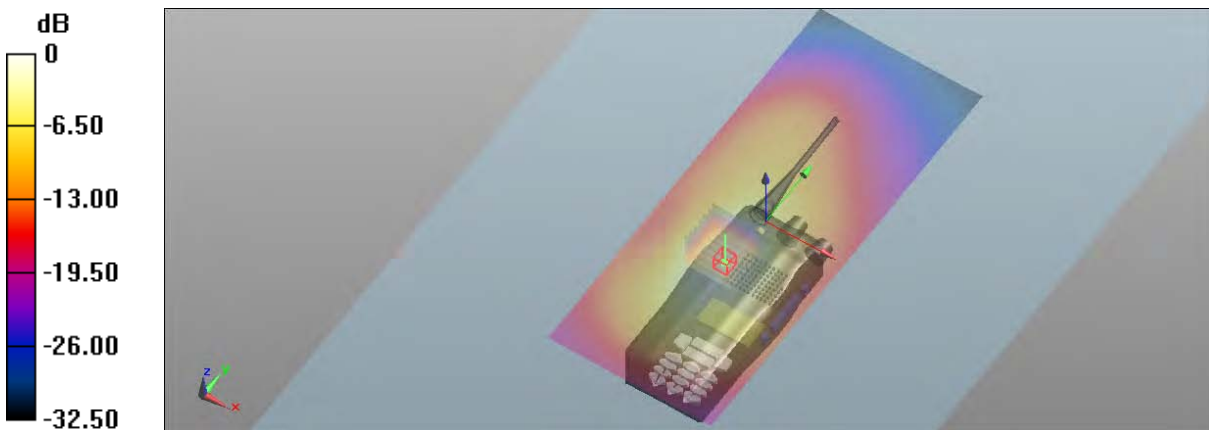
**Scan (8x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 39.759 V/m; Power Drift = -0.10 dB

Peak SAR (extrapolated) = 17.834 mW/g

**SAR(1 g) = 13 mW/g** (SAR corrected for target medium)

Maximum value of SAR (measured) = 13.2 W/kg



0 dB = 13.9 W/kg = 22.86 dB W/kg

**SAR MEASUREMENT PLOT 61**

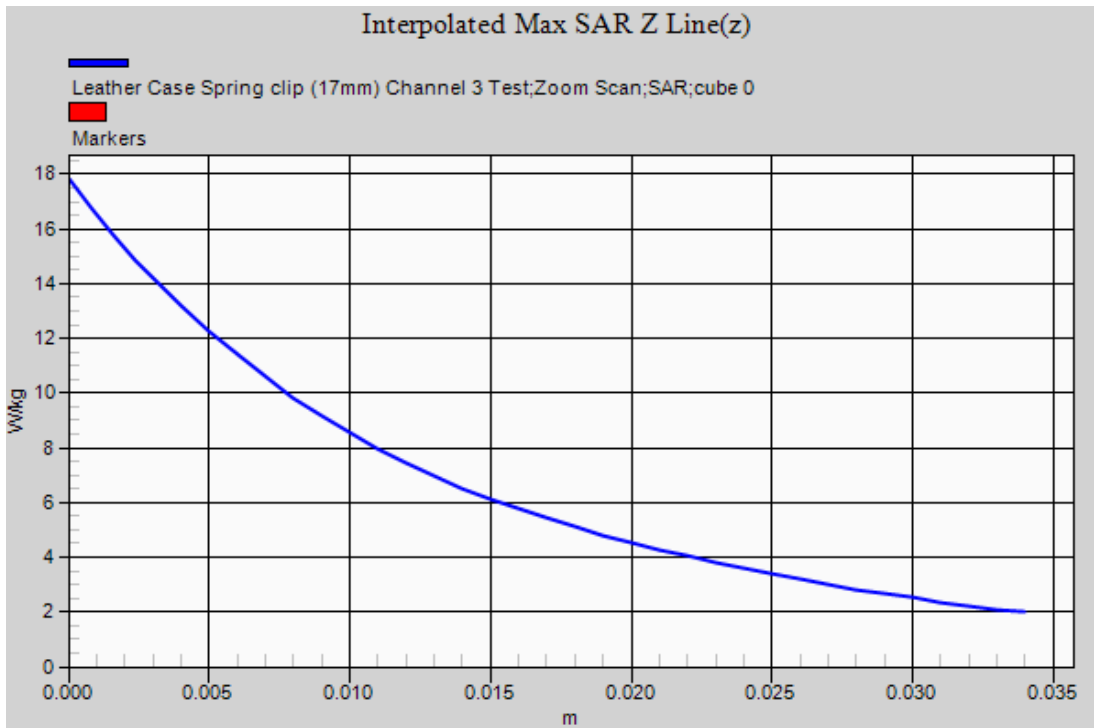
Ambient Temperature  
Liquid Temperature  
Humidity

20.4 Degrees Celsius  
20.1 Degrees Celsius  
41.0 %



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Test Date: 25 October 2012

File Name: M121023 800 MHz Body Worn Antenna Helical 25-10-12.da52:0

DUT: Tait PTT Transceiver; Type: TPK5A; Serial: 25383160

\* Communication System: CW; Frequency: 807.513 MHz; Duty Cycle: 1:1

\* Medium parameters used:  $f = 808 \text{ MHz}$ ;  $\sigma = 0.95 \text{ mho/m}$ ;  $\epsilon_r = 53.489$ ;  $\rho = 1000 \text{ kg/m}^3$

- Electronics: DAE3 Sn442; Probe: ET3DV6 - SN1380; ConvF(5.94, 5.94, 5.94); Calibrated: 12/12/2011

- Phantom: Flat Phantom 9.1; Serial: P 9.1; Phantom section: Flat 2.2 Section

**Configuration/Leather Case Spring clip (17mm) Channel 3 Test/Area**

**Scan (81x181x1):** Interpolated grid:  $dx=1.500 \text{ mm}$ ,  $dy=1.500 \text{ mm}$

Maximum value of SAR (interpolated) = 14.8 W/kg

**Configuration/Leather Case Spring clip (17mm) Channel 3 Test/Zoom**

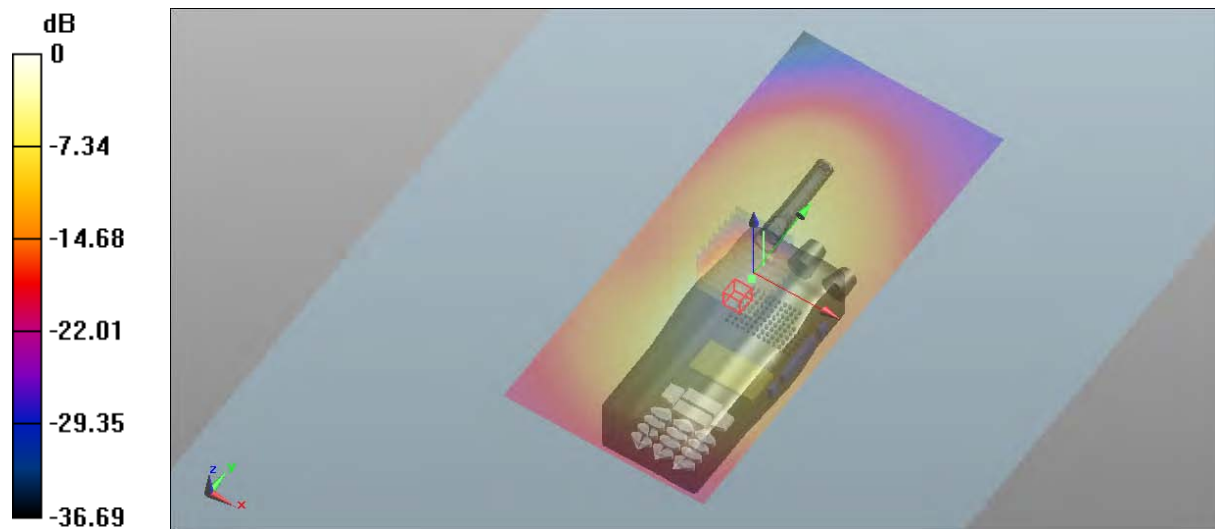
**Scan (8x8x7)/Cube 0:** Measurement grid:  $dx=5\text{mm}$ ,  $dy=5\text{mm}$ ,  $dz=5\text{mm}$

Reference Value = 44.308 V/m; Power Drift = -0.14 dB

Peak SAR (extrapolated) = 26.667 mW/g

**SAR(1 g) = 13.5 mW/g** (SAR corrected for target medium)

Maximum value of SAR (measured) = 13.7 W/kg



0 dB = 14.8 W/kg = 23.41 dB W/kg

**SAR MEASUREMENT PLOT 62**

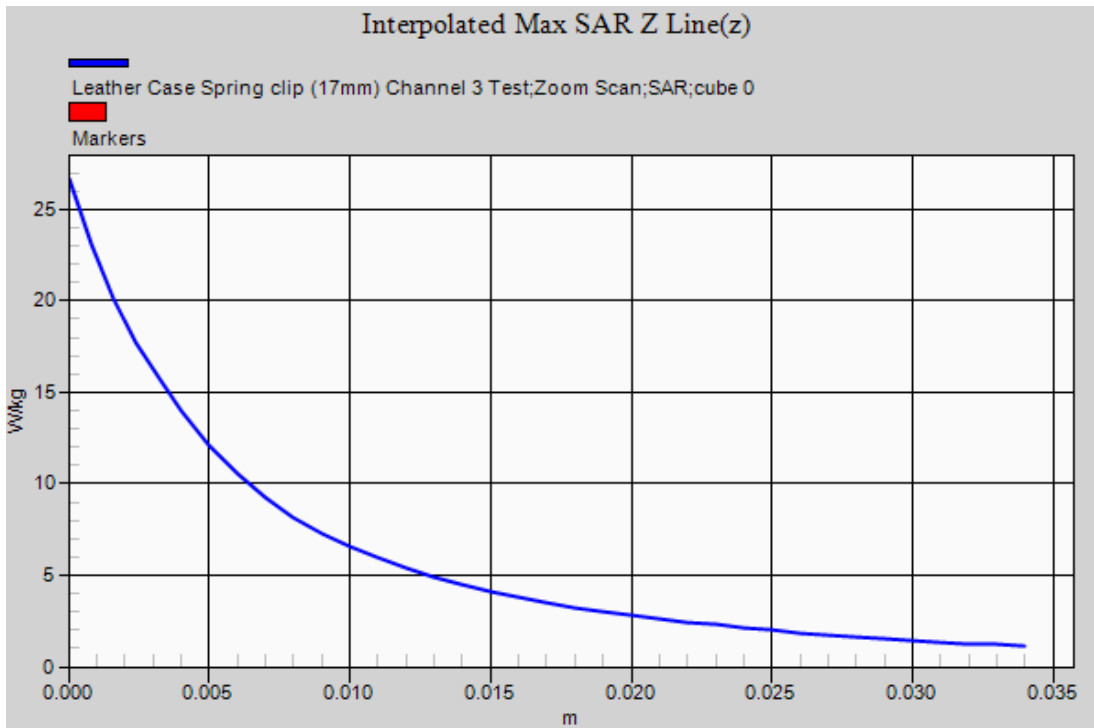
Ambient Temperature  
Liquid Temperature  
Humidity

20.5 Degrees Celsius  
20.1 Degrees Celsius  
39.0 %



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Test Date: 23 October 2012

File Name: M121023 850 MHz Body Worn Antenna Quarter-wave 23-10-12.da52:0

DUT: Tait PTT Transceiver; Type: TPK5A; Serial: 25383160

\* Communication System: CW; Frequency: 823.987 MHz; Duty Cycle: 1:1

\* Medium parameters used:  $f = 824$  MHz;  $\sigma = 0.962$  mho/m;  $\epsilon_r = 53.046$ ;  $\rho = 1000$  kg/m<sup>3</sup>

- Electronics: DAE3 Sn442; Probe: ET3DV6 - SN1380; ConvF(5.94, 5.94, 5.94); Calibrated: 12/12/2011

- Phantom: Flat Phantom 9.1; Serial: P 9.1; Phantom section: Flat 2.2 Section

**Configuration/Leather Case Spring clip (17mm) Channel 4 Test/Area**

**Scan (81x201x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 11.1 W/kg

**Configuration/Leather Case Spring clip (17mm) Channel 4 Test/Zoom**

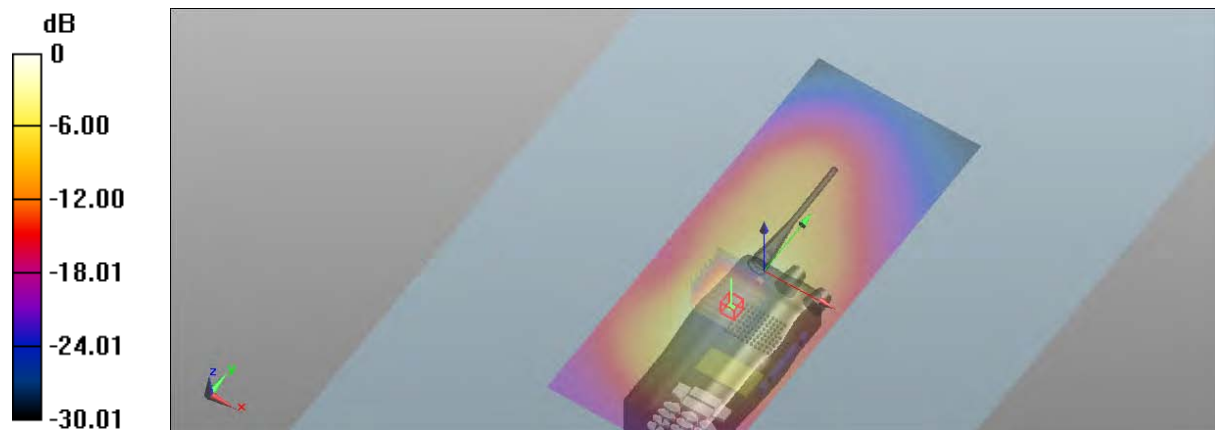
**Scan (8x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 38.880 V/m; Power Drift = -0.10 dB

Peak SAR (extrapolated) = 14.940 mW/g

**SAR(1 g) = 10.8 mW/g** (SAR corrected for target medium)

Maximum value of SAR (measured) = 11.1 W/kg



0 dB = 11.1 W/kg = 20.91 dB W/kg

**SAR MEASUREMENT PLOT 63**

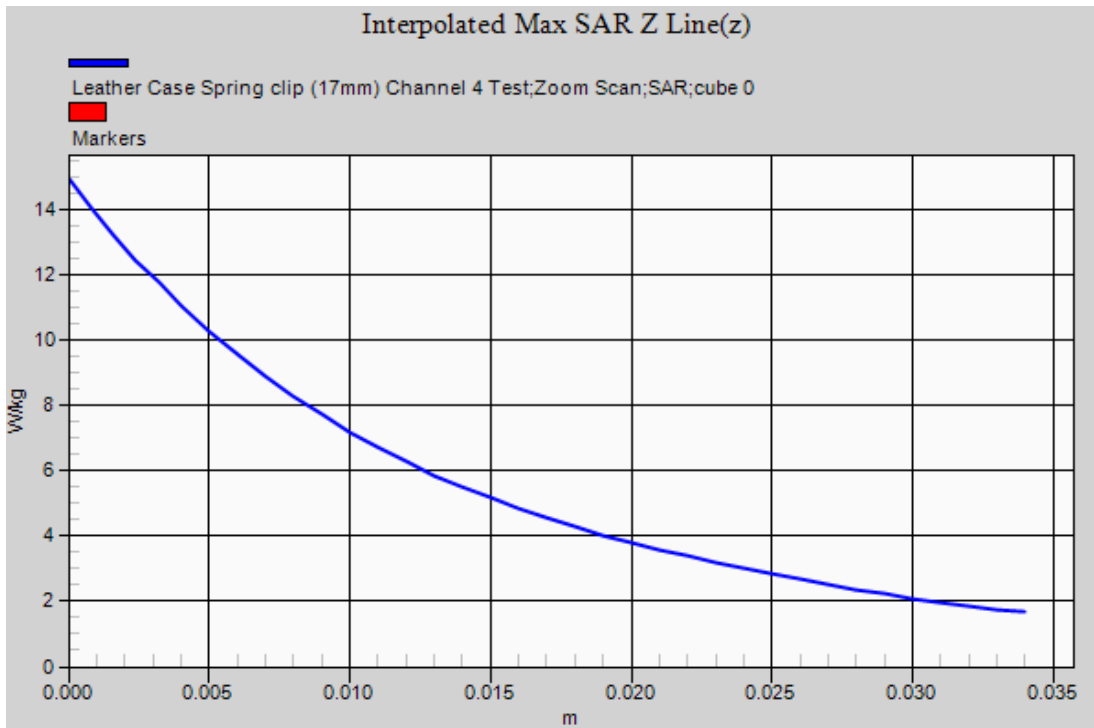
Ambient Temperature  
Liquid Temperature  
Humidity

20.6 Degrees Celsius  
20.2 Degrees Celsius  
41.0 %



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Test Date: 25 October 2012

File Name: M121023 850 MHz Body Worn Antenna Helical 25-10-12.da52:0

DUT: Tait PTT Transceiver; Type: TPK5A; Serial: 25383160

\* Communication System: CW; Frequency: 823.987 MHz; Duty Cycle: 1:1

\* Medium parameters used:  $f = 824 \text{ MHz}$ ;  $\sigma = 0.965 \text{ mho/m}$ ;  $\epsilon_r = 53.329$ ;  $\rho = 1000 \text{ kg/m}^3$

- Electronics: DAE3 Sn442; Probe: ET3DV6 - SN1380; ConvF(5.94, 5.94, 5.94); Calibrated: 12/12/2011

- Phantom: Flat Phantom 9.1; Serial: P 9.1; Phantom section: Flat 2.2 Section

**Configuration/Leather Case Spring clip (17mm) Channel 4 Test/Area**

**Scan (81x181x1):** Interpolated grid:  $dx=1.500 \text{ mm}$ ,  $dy=1.500 \text{ mm}$

Maximum value of SAR (interpolated) = 11.7 W/kg

**Configuration/Leather Case Spring clip (17mm) Channel 4 Test/Zoom**

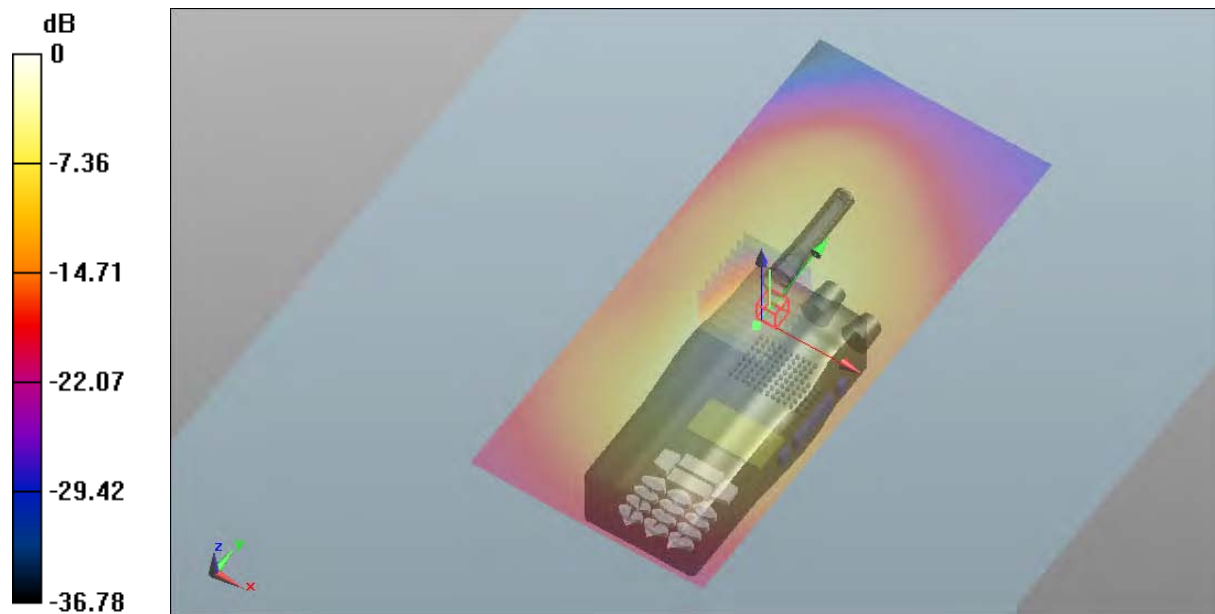
**Scan (8x8x7)/Cube 0:** Measurement grid:  $dx=5\text{mm}$ ,  $dy=5\text{mm}$ ,  $dz=5\text{mm}$

Reference Value = 41.405 V/m; Power Drift = -0.20 dB

Peak SAR (extrapolated) = 22.285 mW/g

**SAR(1 g) = 11.1 mW/g** (SAR corrected for target medium)

Maximum value of SAR (measured) = 11.5 W/kg



0 dB = 11.7 W/kg = 21.36 dB W/kg

**SAR MEASUREMENT PLOT 64**

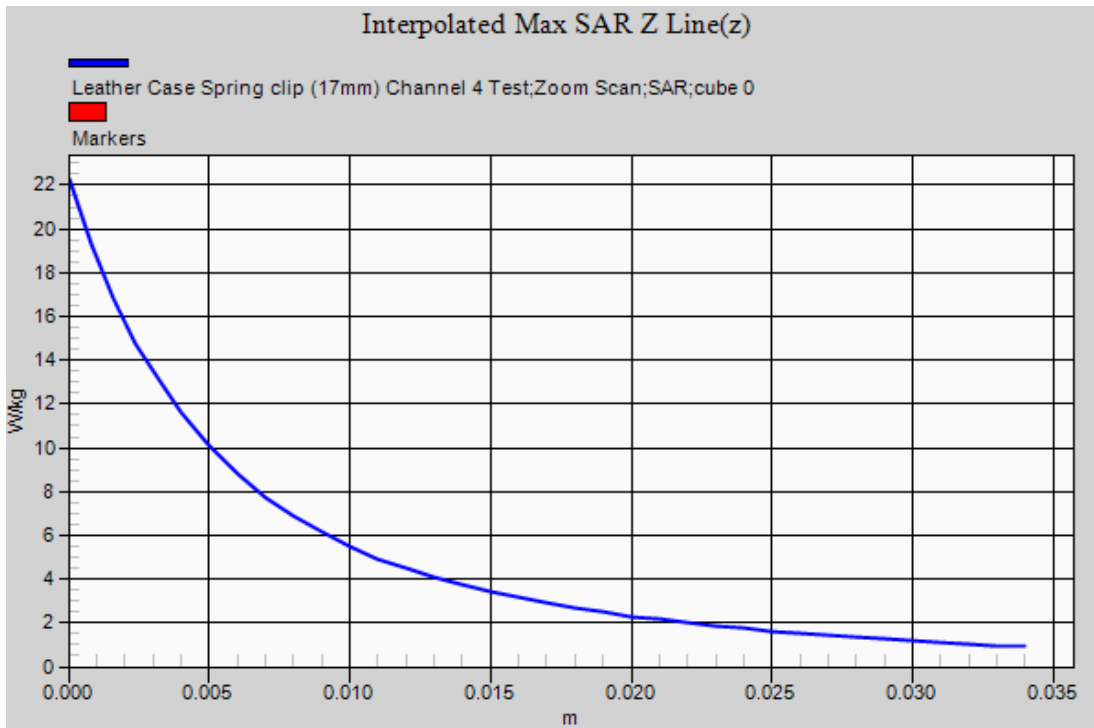
Ambient Temperature  
Liquid Temperature  
Humidity

20.5 Degrees Celsius  
20.1 Degrees Celsius  
39.0 %



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Test Date: 23 October 2012

File Name: M121023 850 MHz Body Worn Antenna Quarter-wave 23-10-12.da52:0

DUT: Tait PTT Transceiver; Type: TPK5A; Serial: 25383160

\* Communication System: CW; Frequency: 868.987 MHz; Duty Cycle: 1:1

\* Medium parameters used:  $f = 868 \text{ MHz}$ ;  $\sigma = 1.006 \text{ mho/m}$ ;  $\epsilon_r = 52.54$ ;  $\rho = 1000 \text{ kg/m}^3$

- Electronics: DAE3 Sn442; Probe: ET3DV6 - SN1380; ConvF(5.94, 5.94, 5.94); Calibrated: 12/12/2011

- Phantom: Flat Phantom 9.1; Serial: P 9.1; Phantom section: Flat 2.2 Section

**Configuration/Leather Case Spring clip (17mm) Channel 5 Test/Area**

**Scan (81x201x1):** Interpolated grid:  $dx=1.500 \text{ mm}$ ,  $dy=1.500 \text{ mm}$

Maximum value of SAR (interpolated) = 8.85 W/kg

**Configuration/Leather Case Spring clip (17mm) Channel 5 Test/Zoom**

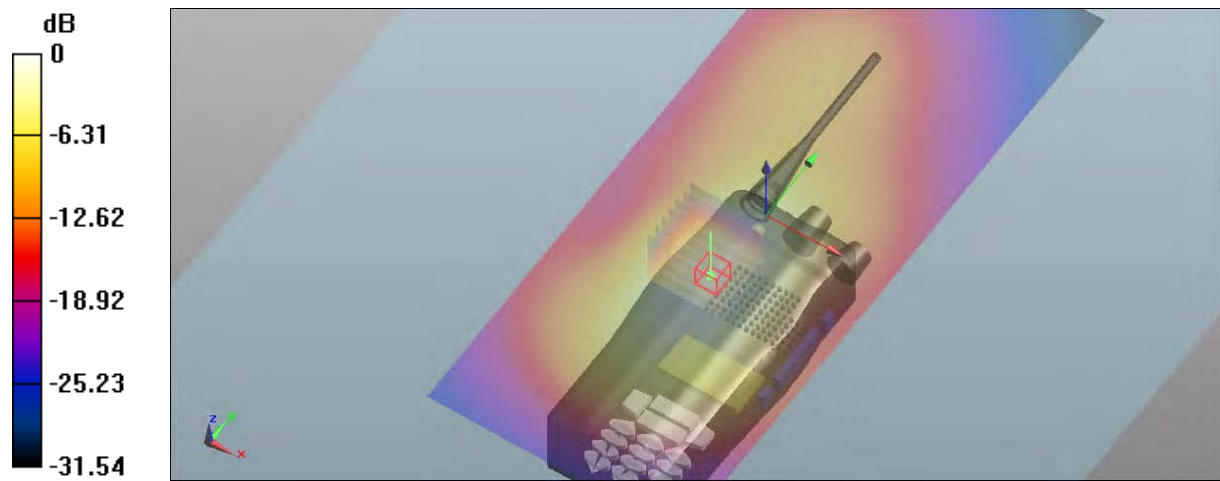
**Scan (8x7x7)/Cube 0:** Measurement grid:  $dx=5\text{mm}$ ,  $dy=5\text{mm}$ ,  $dz=5\text{mm}$

Reference Value = 28.231 V/m; Power Drift = -0.14 dB

Peak SAR (extrapolated) = 11.872 mW/g

**SAR(1 g) = 8.16 mW/g**

Maximum value of SAR (measured) = 8.77 W/kg



0 dB = 8.85 W/kg = 18.94 dB W/kg

**SAR MEASUREMENT PLOT 65**

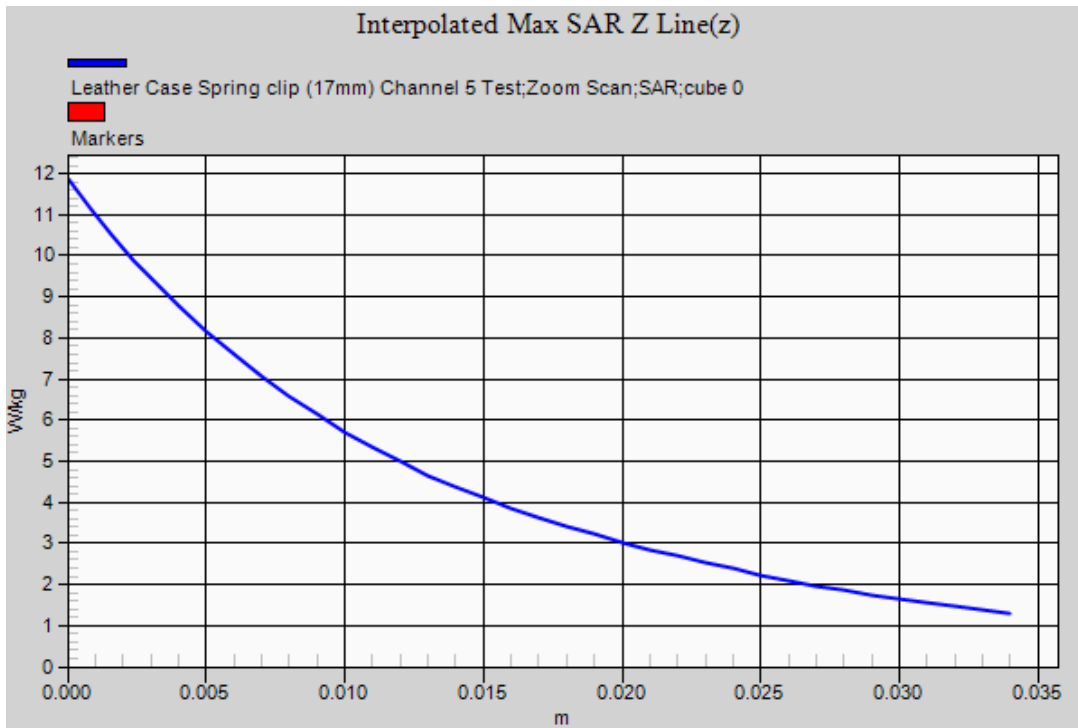
Ambient Temperature  
Liquid Temperature  
Humidity

20.6 Degrees Celsius  
20.2 Degrees Celsius  
41.0%



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Test Date: 25 October 2012

File Name: M121023 850 MHz Body Worn Antenna Helical 25-10-12.da52:0

DUT: Tait PTT Transceiver; Type: TPK5A; Serial: 25383160

\* Communication System: CW; Frequency: 868.987 MHz; Duty Cycle: 1:1

\* Medium parameters used:  $f = 868 \text{ MHz}$ ;  $\sigma = 1.011 \text{ mho/m}$ ;  $\epsilon_r = 52.847$ ;  $\rho = 1000 \text{ kg/m}^3$

- Electronics: DAE3 Sn442; Probe: ET3DV6 - SN1380; ConvF(5.94, 5.94, 5.94); Calibrated: 12/12/2011

- Phantom: Flat Phantom 9.1; Serial: P 9.1; Phantom section: Flat 2.2 Section

**Configuration/Leather Case Spring clip (17mm) Channel 5 Test/Area**

**Scan (81x181x1):** Interpolated grid:  $dx=1.500 \text{ mm}$ ,  $dy=1.500 \text{ mm}$

Maximum value of SAR (interpolated) = 9.74 W/kg

**Configuration/Leather Case Spring clip (17mm) Channel 5 Test/Zoom**

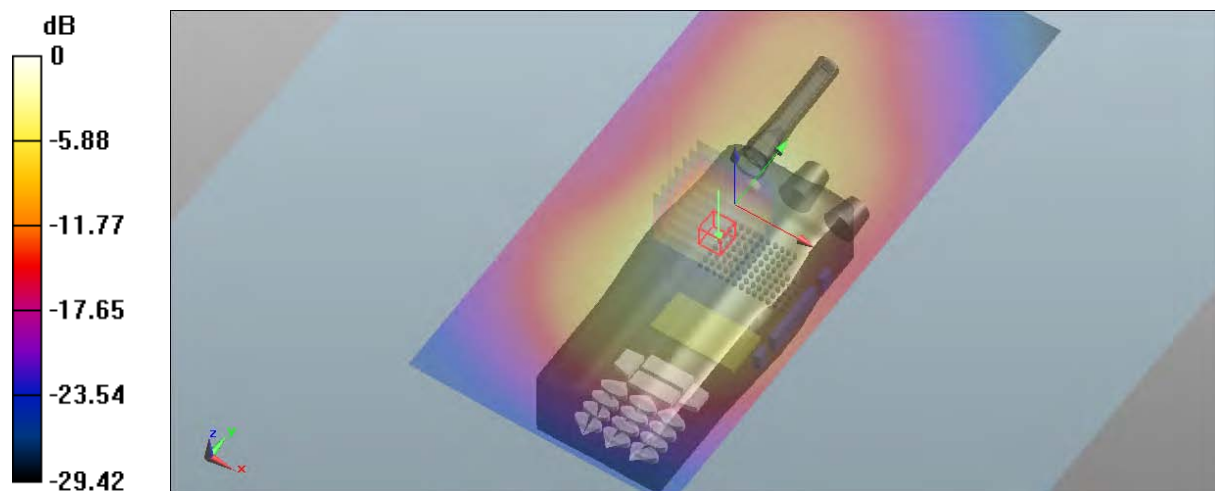
**Scan (8x7x7)/Cube 0:** Measurement grid:  $dx=5\text{mm}$ ,  $dy=5\text{mm}$ ,  $dz=5\text{mm}$

Reference Value = 30.344 V/m; Power Drift = -0.21 dB

Peak SAR (extrapolated) = 12.996 mW/g

**SAR(1 g) = 8.8 mW/g**

Maximum value of SAR (measured) = 9.49 W/kg



0 dB = 9.74 W/kg = 19.77 dB W/kg

**SAR MEASUREMENT PLOT 66**

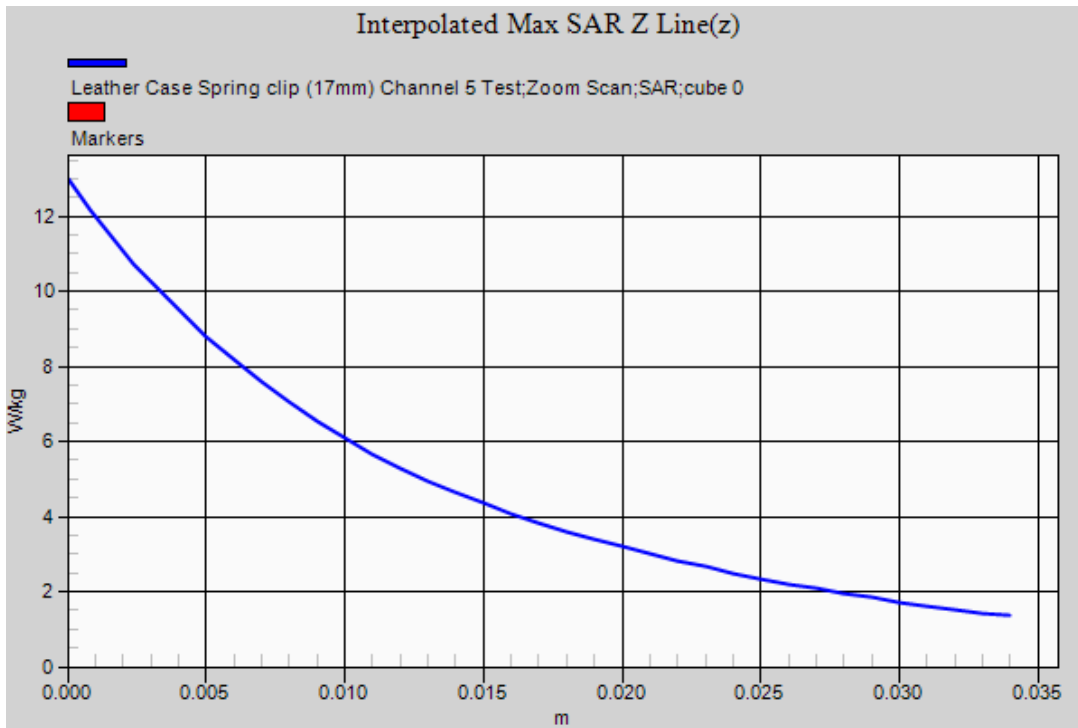
Ambient Temperature  
Liquid Temperature  
Humidity

20.5 Degrees Celsius  
20.1 Degrees Celsius  
39.0%



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Test Date: 24 October 2012

File Name: M121023 750 MHz Body Worn Antenna Quarter-wave High capacity Battery 24-10-12.da52:0

**DUT: Tait PTT Transceiver; Type: TPK5A; Serial: 25383160**

\* Communication System: CW; Frequency: 769.069 MHz; Duty Cycle: 1:1

\* Medium parameters used:  $f = 770$  MHz;  $\sigma = 0.927$  mho/m;  $\epsilon_r = 57.654$ ;  $\rho = 1000$  kg/m<sup>3</sup>

- Electronics: DAE3 Sn442; Probe: ET3DV6 - SN1380; ConvF(6.13, 6.13, 6.13); Calibrated: 13/07/2012

- Phantom: Flat Phantom 9.1; Serial: P 9.1; Phantom section: Flat 2.2 Section

**Configuration/Leather Case Spring clip (17mm) Channel 1 Test/Area**

**Scan (81x201x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 14.7 W/kg

**Configuration/Leather Case Spring clip (17mm) Channel 1 Test/Zoom**

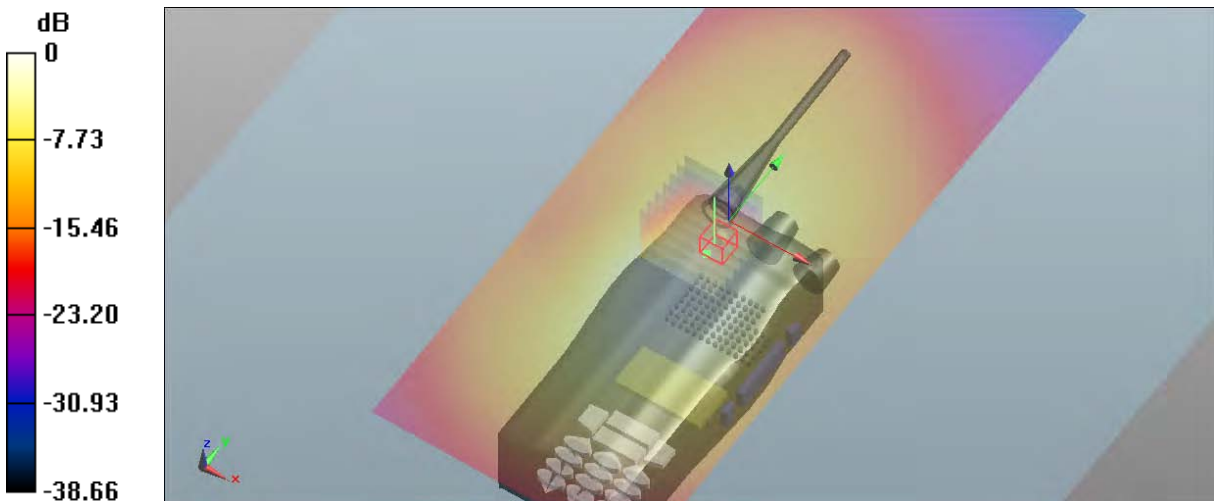
**Scan (8x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 37.559 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 33.743 mW/g

**SAR(1 g) = 13.6 mW/g**

Maximum value of SAR (measured) = 14.1 W/kg



0 dB = 14.7 W/kg = 23.35 dB W/kg

**SAR MEASUREMENT PLOT 67**

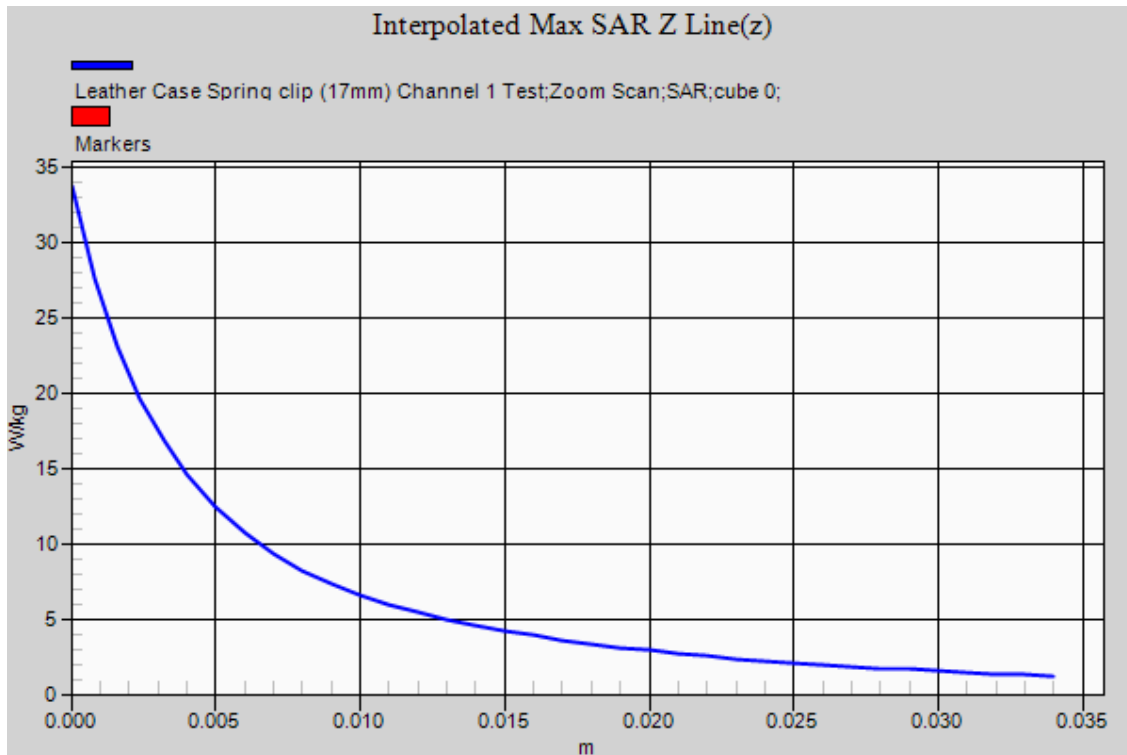
Ambient Temperature  
Liquid Temperature  
Humidity

20.4 Degrees Celsius  
20.0 Degrees Celsius  
37.0%



Accredited for compliance with ISO/IEC 17025. The results of the test, calibrations and/or measurement included in this document are traceable to Australian/national standards. NATA is a signatory to the ILAC Mutual Recognition Arrangement for the mutual recognition of the equivalence of testing, calibration and inspection reports.

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Test Date: 25 January 2013

File Name: M121023 750 MHz Body Worn Antenna Helical High capacity Battery 25-01-13.da52:0

DUT: Tait PTT Transceiver; Type: TPK5A; Serial: 25383160

\* Communication System: CW; Frequency: 769.069 MHz; Duty Cycle: 1:1

\* Medium parameters used:  $f = 770$  MHz;  $\sigma = 0.98$  mho/m;  $\epsilon_r = 56.837$ ;  $\rho = 1000$  kg/m<sup>3</sup>

- Electronics: DAE3 Sn442; Probe: ET3DV6 - SN1380; ConvF(6.19, 6.19, 6.19); Calibrated: 10/12/2012

- Phantom: ELI 4.0; Serial: 1101; Phantom section: Flat Section

**Configuration/Leather Case Spring clip (17mm) Channel 1 Test/Area**

**Scan (81x181x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 13.3 W/kg

**Configuration/Leather Case Spring clip (17mm) Channel 1 Test/Zoom**

**Scan (8x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 50.721 V/m; Power Drift = -0.09 dB

Peak SAR (extrapolated) = 17.842 mW/g

**SAR(1 g) = 11.9 mW/g**

Maximum value of SAR (measured) = 12.9 W/kg



0 dB = 13.3 W/kg = 22.48 dB W/kg

**SAR MEASUREMENT PLOT 68**

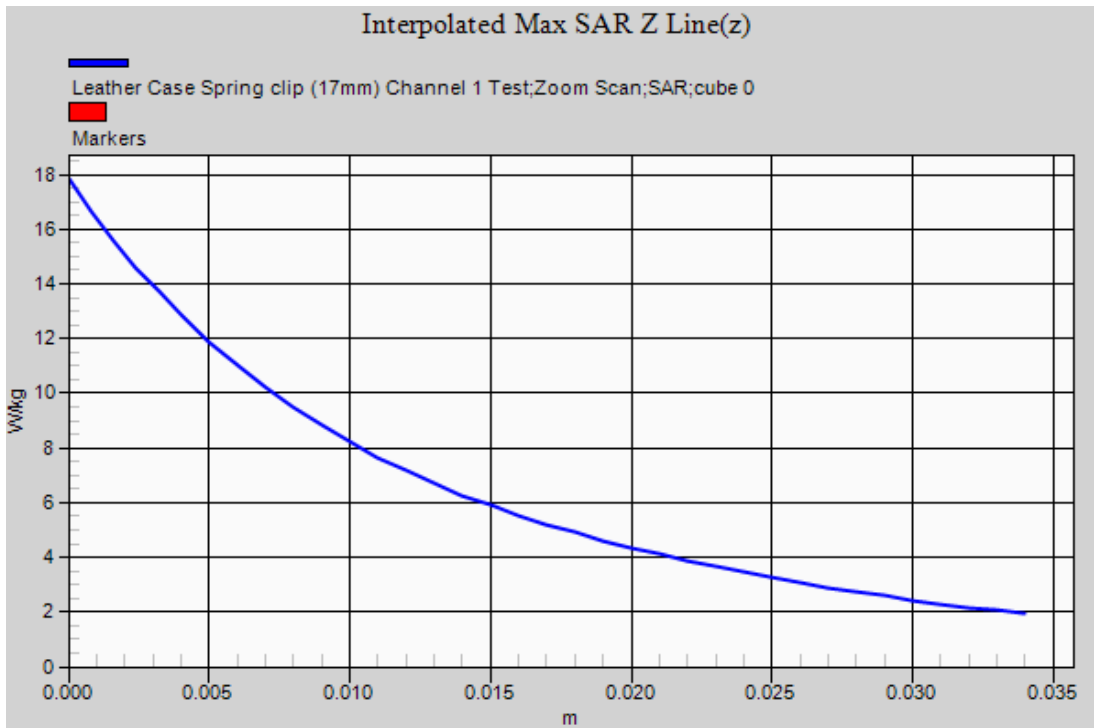
Ambient Temperature  
Liquid Temperature  
Humidity

19.6 Degrees Celsius  
19.4 Degrees Celsius  
53.0 %



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Test Date: 24 October 2012

File Name: M121023 750 MHz Body Worn Antenna Quarter-wave High capacity Battery 24-10-12\_da52:0

DUT: Tait PTT Transceiver; Type: TPDK5A; Serial: 25383160

\* Communication System: CW; Frequency: 799.069 MHz; Duty Cycle: 1:1

\* Medium parameters used:  $f = 800$  MHz;  $\sigma = 0.958$  mho/m;  $\epsilon_r = 57.419$ ;  $\rho = 1000$  kg/m<sup>3</sup>

- Electronics: DAE3 Sn442; Probe: ET3DV6 - SN1380; ConvF(6.13, 6.13, 6.13); Calibrated: 13/07/2012

- Phantom: Flat Phantom 9.1; Serial: P 9.1; Phantom section: Flat 2.2 Section

**Configuration/Leather Case Spring clip (17mm) Channel 2 Test/Area**

**Scan (81x201x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 15.5 W/kg

**Configuration/Leather Case Spring clip (17mm) Channel 2 Test/Zoom**

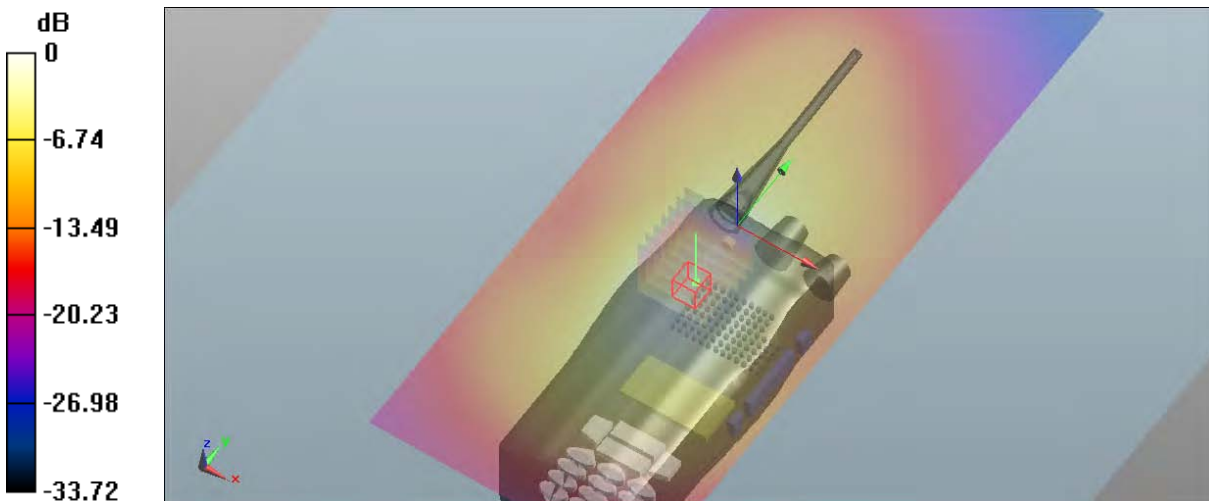
**Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 39.337 V/m; Power Drift = -0.18 dB

Peak SAR (extrapolated) = 24.143 mW/g

**SAR(1 g) = 14 mW/g**

Maximum value of SAR (measured) = 14.8 W/kg



0 dB = 15.5 W/kg = 23.81 dB W/kg

**SAR MEASUREMENT PLOT 69**

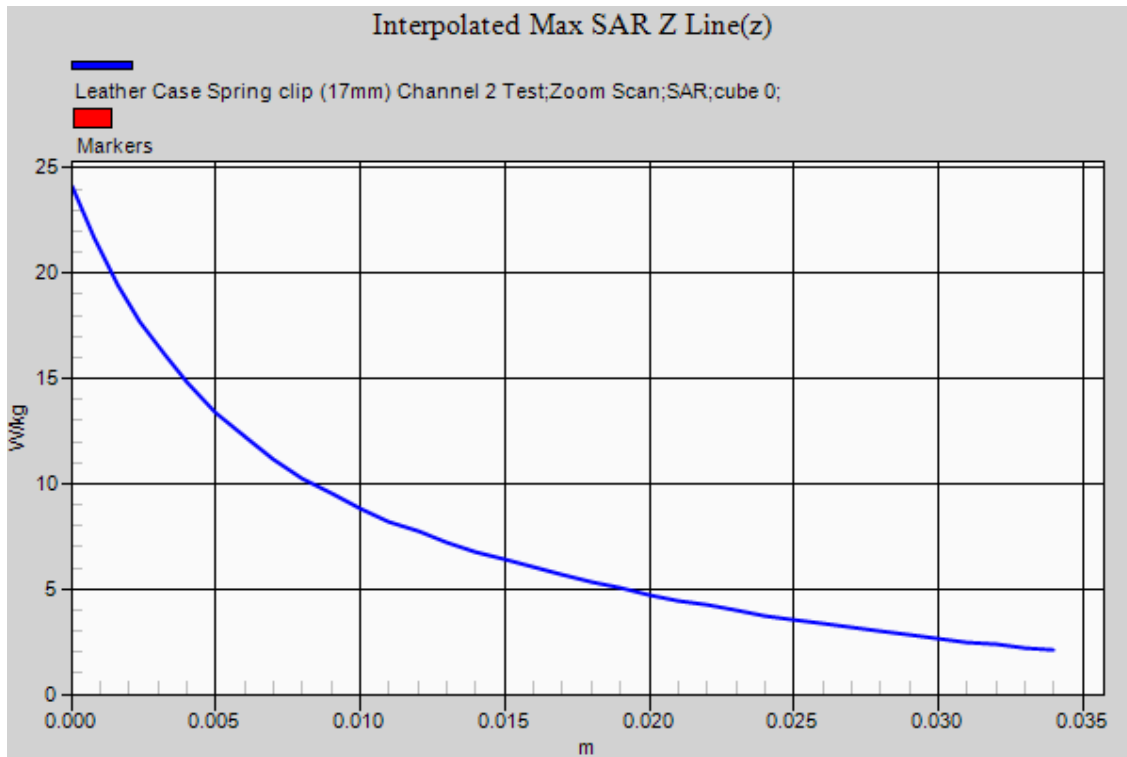
Ambient Temperature  
Liquid Temperature  
Humidity

20.4 Degrees Celsius  
20.0 Degrees Celsius  
37.0%



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Test Date: 25 January 2013

File Name: M121023 750 MHz Body Worn Antenna Helical High capacity Battery 25-01-13.da52:0

DUT: Tait PTT Transceiver; Type: TPK5A; Serial: 25383160

\* Communication System: CW; Frequency: 799.069 MHz; Duty Cycle: 1:1

\* Medium parameters used:  $f = 800 \text{ MHz}$ ;  $\sigma = 1.01 \text{ mho/m}$ ;  $\epsilon_r = 56.58$ ;  $\rho = 1000 \text{ kg/m}^3$

- Electronics: DAE3 Sn442; Probe: ET3DV6 - SN1380; ConvF(6.19, 6.19, 6.19); Calibrated: 10/12/2012

- Phantom: ELI 4.0; Serial: 1101; Phantom section: Flat Section

**Configuration/Leather Case Spring clip (17mm) Channel 2 Test/Area**

**Scan (81x181x1):** Interpolated grid:  $dx=1.500 \text{ mm}$ ,  $dy=1.500 \text{ mm}$

Maximum value of SAR (interpolated) = 11.8 W/kg

**Configuration/Leather Case Spring clip (17mm) Channel 2 Test/Zoom**

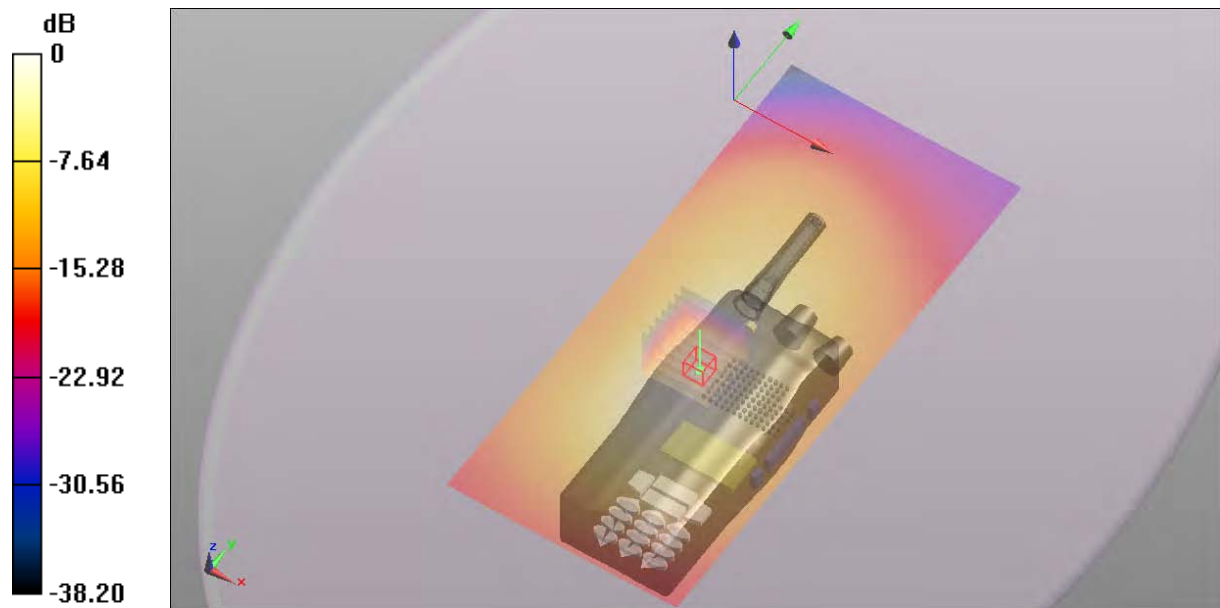
**Scan (8x7x7)/Cube 0:** Measurement grid:  $dx=5\text{mm}$ ,  $dy=5\text{mm}$ ,  $dz=5\text{mm}$

Reference Value = 44.677 V/m; Power Drift = -0.06 dB

Peak SAR (extrapolated) = 15.876 mW/g

**SAR(1 g) = 10.6 mW/g**

Maximum value of SAR (measured) = 11.4 W/kg



0 dB = 11.8 W/kg = 21.44 dB W/kg

**SAR MEASUREMENT PLOT 70**

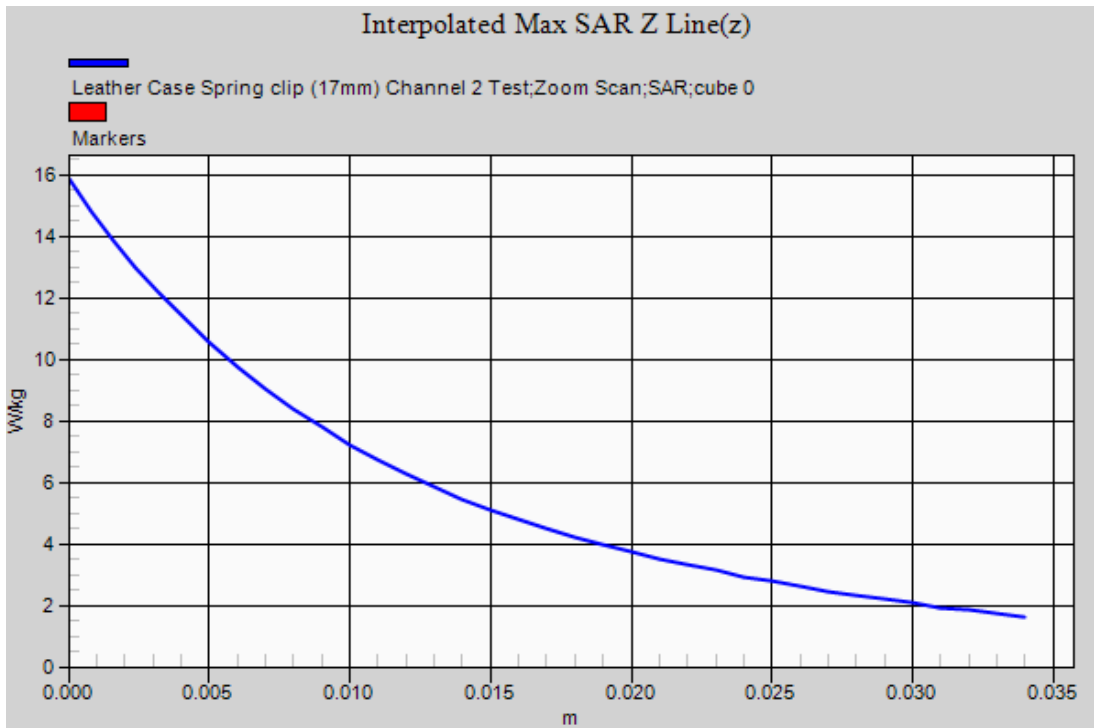
Ambient Temperature  
Liquid Temperature  
Humidity

19.6 Degrees Celsius  
19.4 Degrees Celsius  
53.0 %



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Test Date: 24 October 2012

File Name: M121023 850 MHz Body Worn Antenna Quarter-wave High capacity Battery 24-10-12.da52:0

DUT: Tait PTT Transceiver; Type: TPK5A; Serial: 25383160

- \* Communication System: CW; Frequency: 807.513 MHz; Duty Cycle: 1:1
- \* Medium parameters used:  $f = 808 \text{ MHz}$ ;  $\sigma = 0.944 \text{ mho/m}$ ;  $\epsilon_r = 53.557$ ;  $\rho = 1000 \text{ kg/m}^3$
- Electronics: DAE3 Sn442; Probe: ET3DV6 - SN1380; ConvF(5.94, 5.94, 5.94); Calibrated: 12/12/2011
- Phantom: Flat Phantom 9.1; Serial: P 9.1; Phantom section: Flat 2.2 Section

**Configuration/Leather Case Spring clip (17mm) Channel 3 Test/Area**

**Scan (81x201x1):** Interpolated grid:  $dx=1.500 \text{ mm}$ ,  $dy=1.500 \text{ mm}$

Maximum value of SAR (interpolated) = 12.6 W/kg

**Configuration/Leather Case Spring clip (17mm) Channel 3 Test/Zoom**

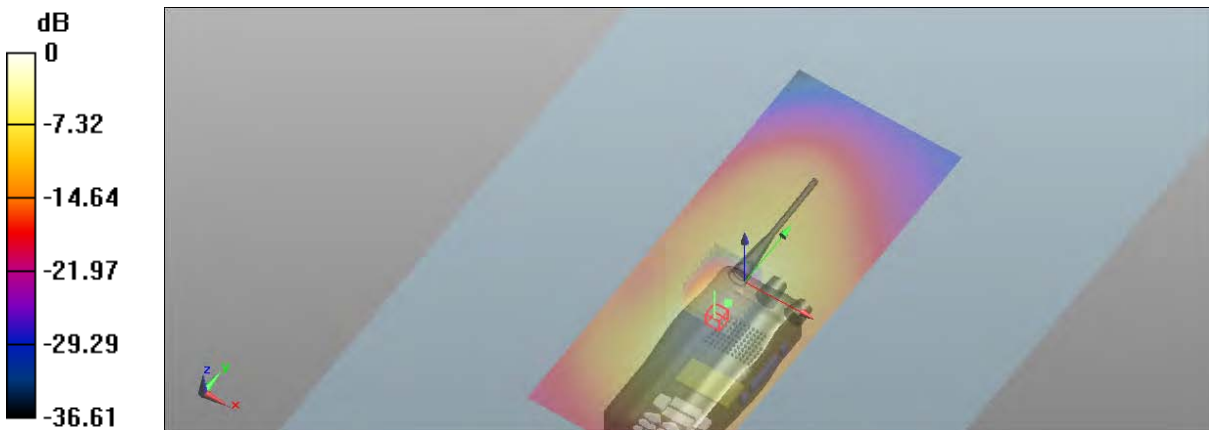
**Scan (8x8x7)/Cube 0:** Measurement grid:  $dx=5\text{mm}$ ,  $dy=5\text{mm}$ ,  $dz=5\text{mm}$

Reference Value = 37.593 V/m; Power Drift = -0.21 dB

Peak SAR (extrapolated) = 20.876 mW/g

**SAR(1 g) = 11.8 mW/g** (SAR corrected for target medium)

Maximum value of SAR (measured) = 11.8 W/kg



0 dB = 12.6 W/kg = 22.01 dB W/kg

**SAR MEASUREMENT PLOT 71**

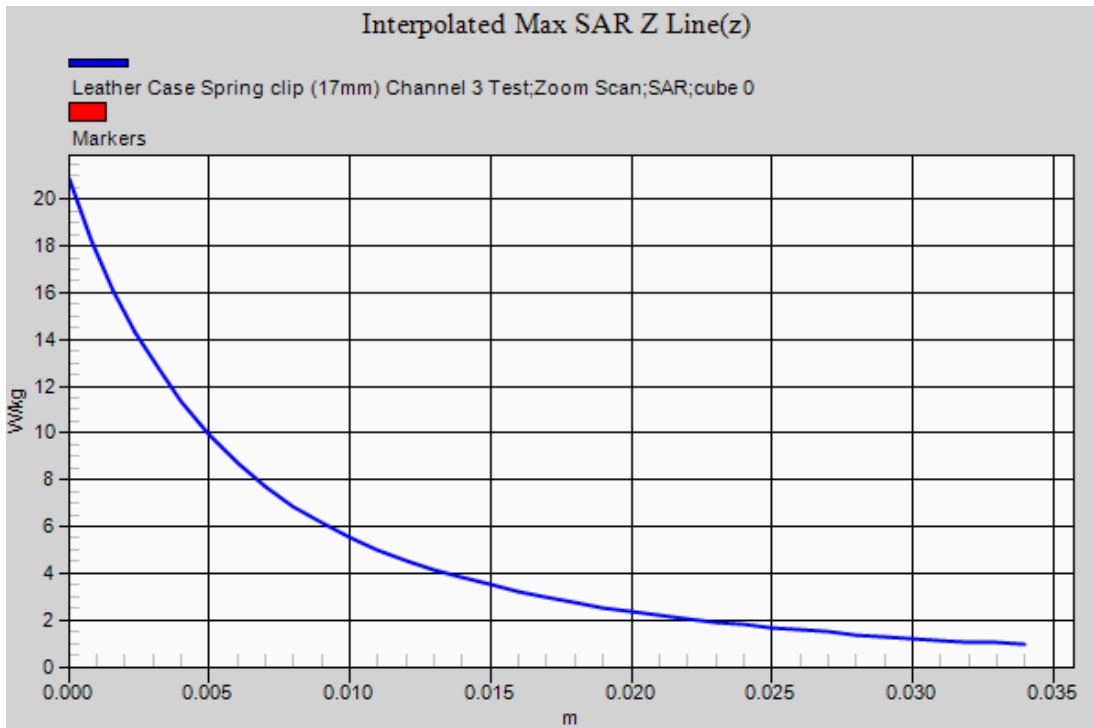
Ambient Temperature  
Liquid Temperature  
Humidity

20.4 Degrees Celsius  
20.0 Degrees Celsius  
37.0 %



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Test Date: 31 January 2013

File Name: M121023 850 MHz Body Worn Antenna Hellical High Capacity Battery 31-01-12.da52:0

DUT: Tait PTT Transceiver; Type: TPK5A; Serial: 25383160

\* Communication System: CW; Frequency: 807.513 MHz; Duty Cycle: 1:1

\* Medium parameters used:  $f = 808$  MHz;  $\sigma = 0.939$  mho/m;  $\epsilon_r = 53.354$ ;  $\rho = 1000$  kg/m<sup>3</sup>

- Electronics: DAE3 Sn442; Probe: ET3DV6 - SN1380; ConvF(6, 6, 6); Calibrated: 10/12/2012

- Phantom: ELI 4.0; Serial: 1101; Phantom section: Flat Section

**Configuration/Leather Case Spring clip (17mm) Channel 3 Test/Area**

**Scan (81x201x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 12.0 W/kg

**Configuration/Leather Case Spring clip (17mm) Channel 3 Test/Zoom**

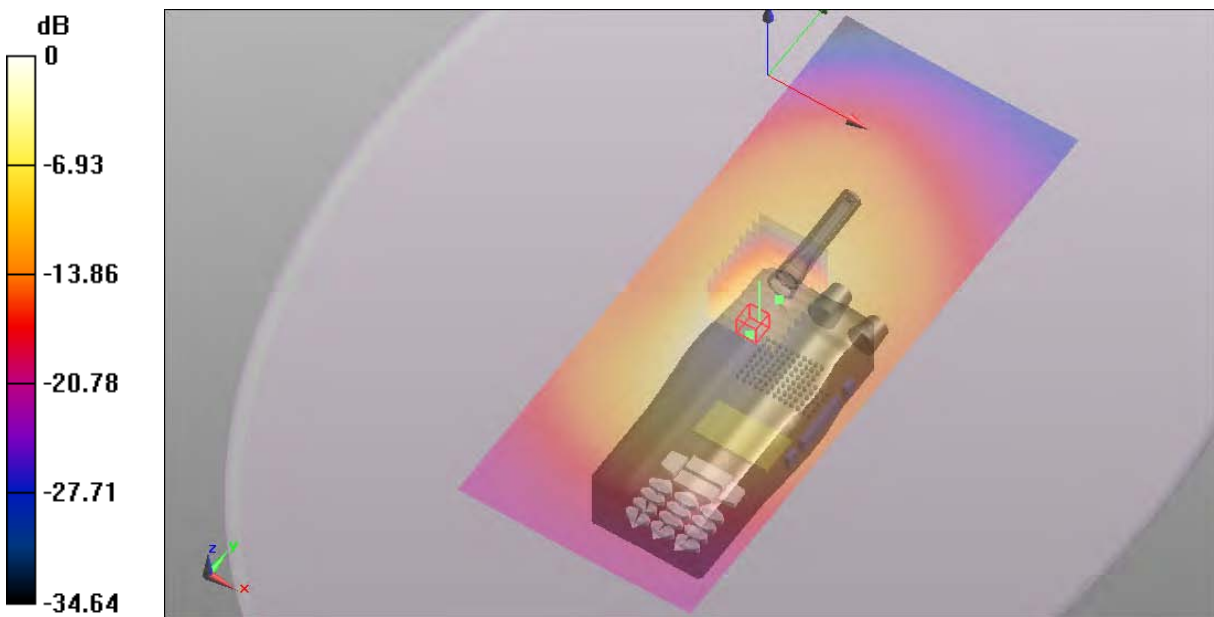
**Scan (8x9x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 52.840 V/m; Power Drift = -0.16 dB

Peak SAR (extrapolated) = 19.545 mW/g

**SAR(1 g) = 11 mW/g** (SAR corrected for target medium)

Maximum value of SAR (measured) = 11.0 W/kg



0 dB = 12.0 W/kg = 21.58 dB W/kg

**SAR MEASUREMENT PLOT 72**

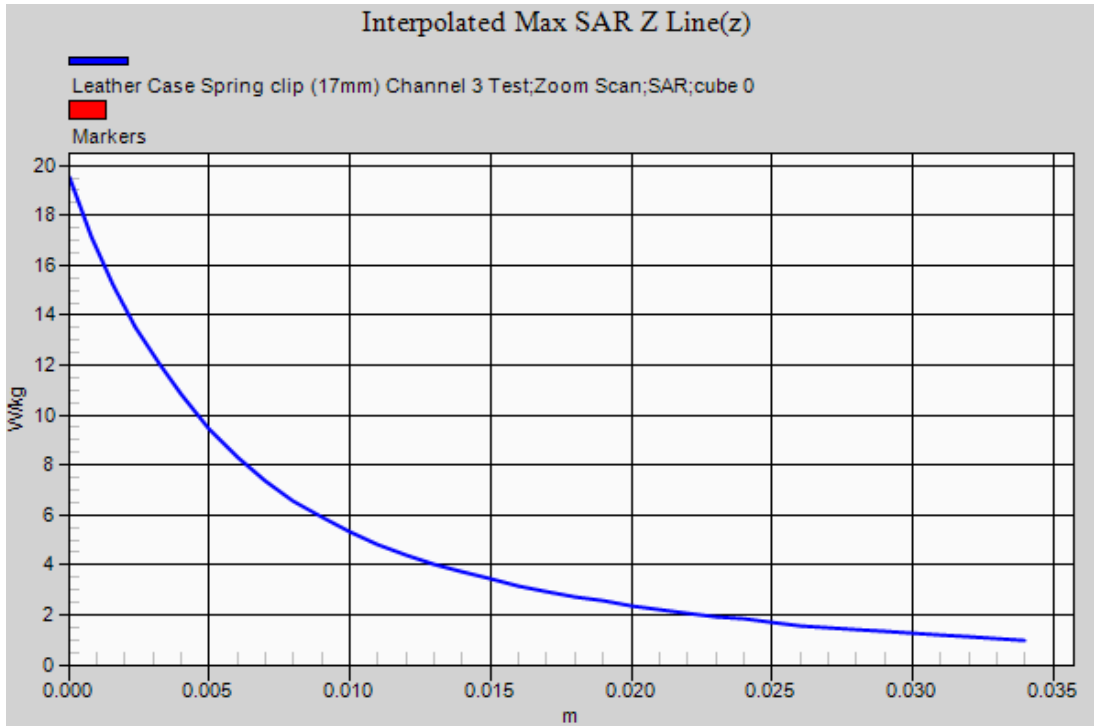
Ambient Temperature  
Liquid Temperature  
Humidity

20.3 Degrees Celsius  
19.9 Degrees Celsius  
50.0 %



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Test Date: 24 October 2012

File Name: M121023 850 MHz Body Worn Antenna Quarter-wave High capacity Battery 24-10-12.da52:0

DUT: Tait PTT Transceiver; Type: TPK5A; Serial: 25383160

\* Communication System: CW; Frequency: 823.987 MHz; Duty Cycle: 1:1

\* Medium parameters used:  $f = 824$  MHz;  $\sigma = 0.961$  mho/m;  $\epsilon_r = 53.367$ ;  $\rho = 1000$  kg/m<sup>3</sup>

- Electronics: DAE3 Sn442; Probe: ET3DV6 - SN1380; ConvF(5.94, 5.94, 5.94); Calibrated: 12/12/2011

- Phantom: Flat Phantom 9.1; Serial: P 9.1; Phantom section: Flat 2.2 Section

**Configuration/Leather Case Spring clip (17mm) Channel 4 Test/Area**

**Scan (81x201x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 10.5 W/kg

**Configuration/Leather Case Spring clip (17mm) Channel 4 Test/Zoom**

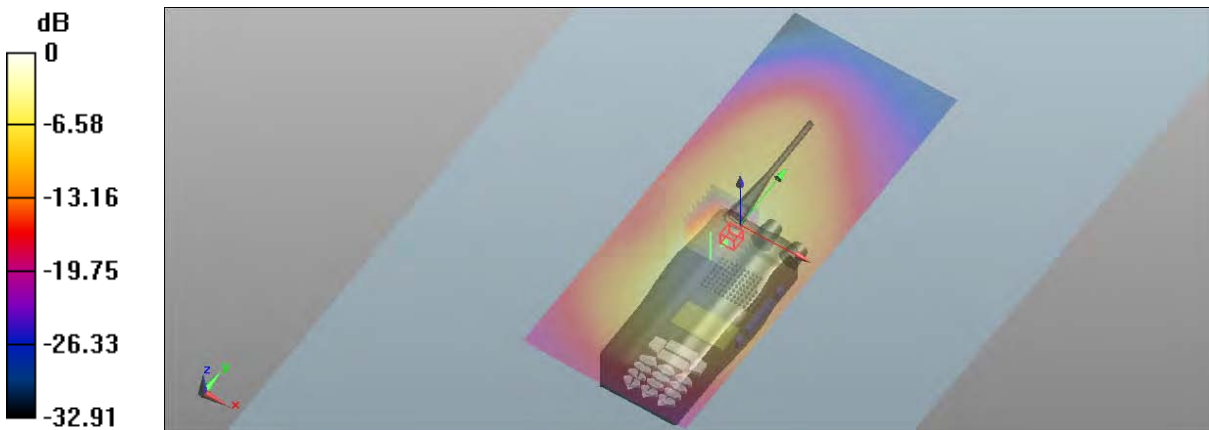
**Scan (8x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 36.351 V/m; Power Drift = -0.12 dB

Peak SAR (extrapolated) = 18.962 mW/g

**SAR(1 g) = 9.56 mW/g** (SAR corrected for target medium)

Maximum value of SAR (measured) = 9.77 W/kg



0 dB = 10.5 W/kg = 20.42 dB W/kg

**SAR MEASUREMENT PLOT 73**

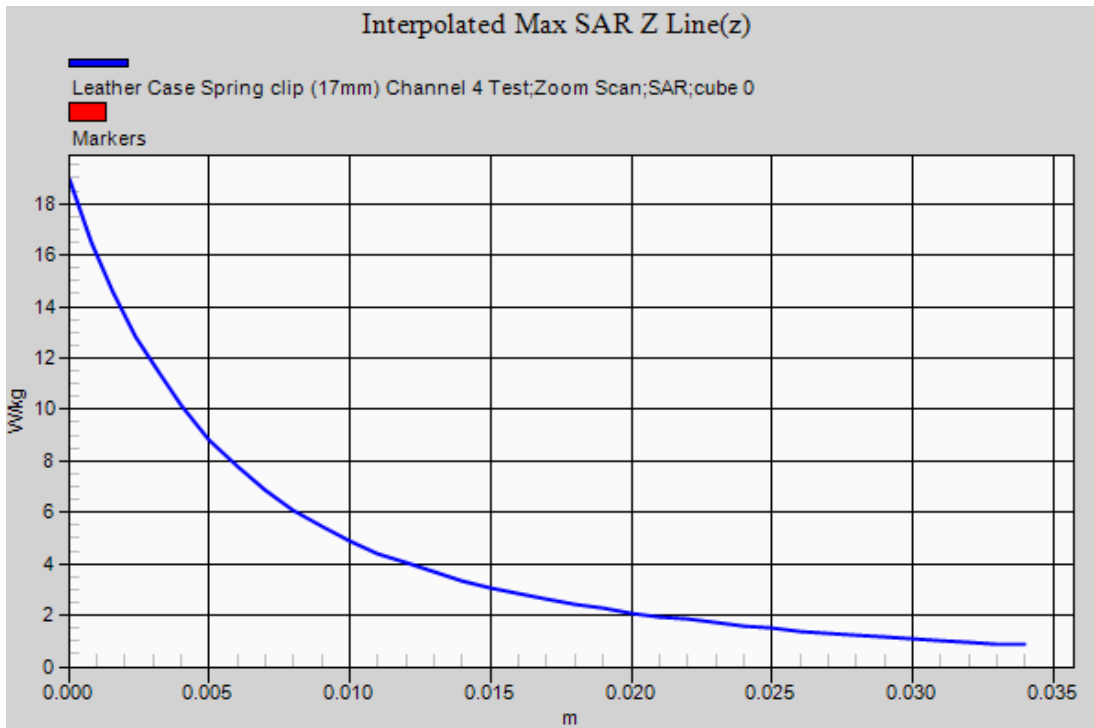
Ambient Temperature  
Liquid Temperature  
Humidity

20.4 Degrees Celsius  
20.0 Degrees Celsius  
37.0 %



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Test Date: 31 January 2013

File Name: M121023 850 MHz Body Worn Antenna Hellical High Capacity Battery 31-01-12.da52:0

DUT: Tait PTT Transceiver; Type: TPK5A; Serial: 25383160

\* Communication System: CW; Frequency: 823.987 MHz; Duty Cycle: 1:1

\* Medium parameters used:  $f = 824 \text{ MHz}$ ;  $\sigma = 0.954 \text{ mho/m}$ ;  $\epsilon_r = 53.245$ ;  $\rho = 1000 \text{ kg/m}^3$

- Electronics: DAE3 Sn442; Probe: ET3DV6 - SN1380; ConvF(6, 6, 6); Calibrated: 10/12/2012

- Phantom: ELI 4.0; Serial: 1101; Phantom section: Flat Section

**Configuration/Leather Case Spring clip (17mm) Channel 4 Test/Area**

**Scan (81x201x1):** Interpolated grid:  $dx=1.500 \text{ mm}$ ,  $dy=1.500 \text{ mm}$

Maximum value of SAR (interpolated) = 11.3 W/kg

**Configuration/Leather Case Spring clip (17mm) Channel 4 Test/Zoom**

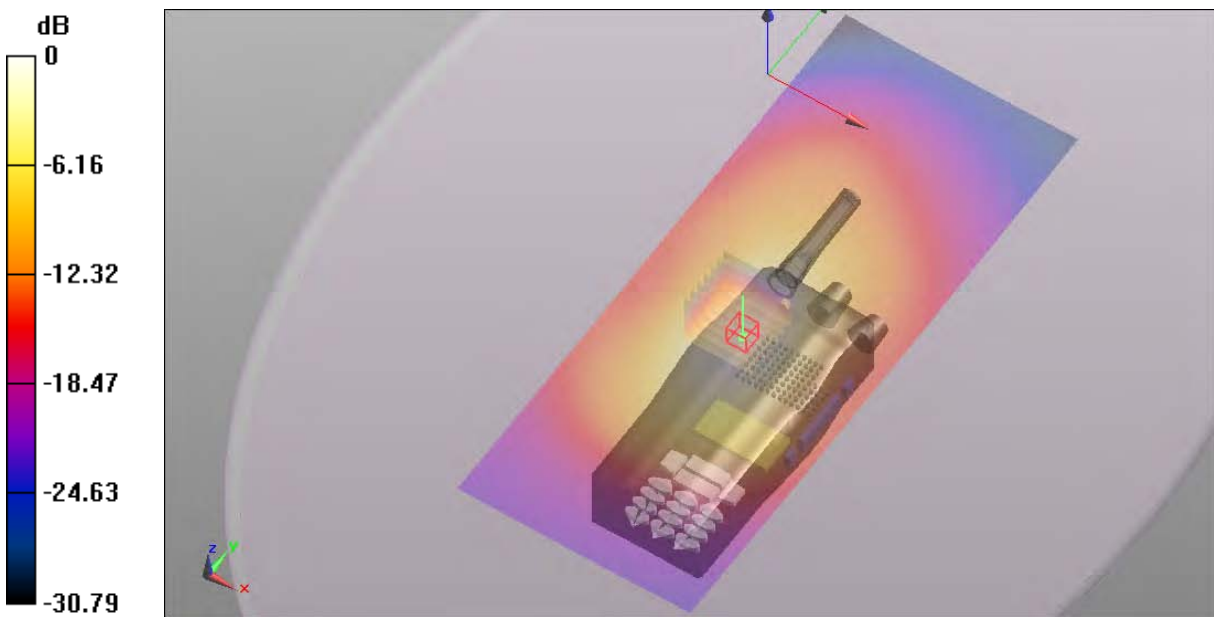
**Scan (8x7x7)/Cube 0:** Measurement grid:  $dx=5\text{mm}$ ,  $dy=5\text{mm}$ ,  $dz=5\text{mm}$

Reference Value = 48.063 V/m; Power Drift = -0.16 dB

Peak SAR (extrapolated) = 14.186 mW/g

**SAR(1 g) = 10.4 mW/g** (SAR corrected for target medium)

Maximum value of SAR (measured) = 10.5 W/kg



0 dB = 11.3 W/kg = 21.06 dB W/kg

**SAR MEASUREMENT PLOT 74**

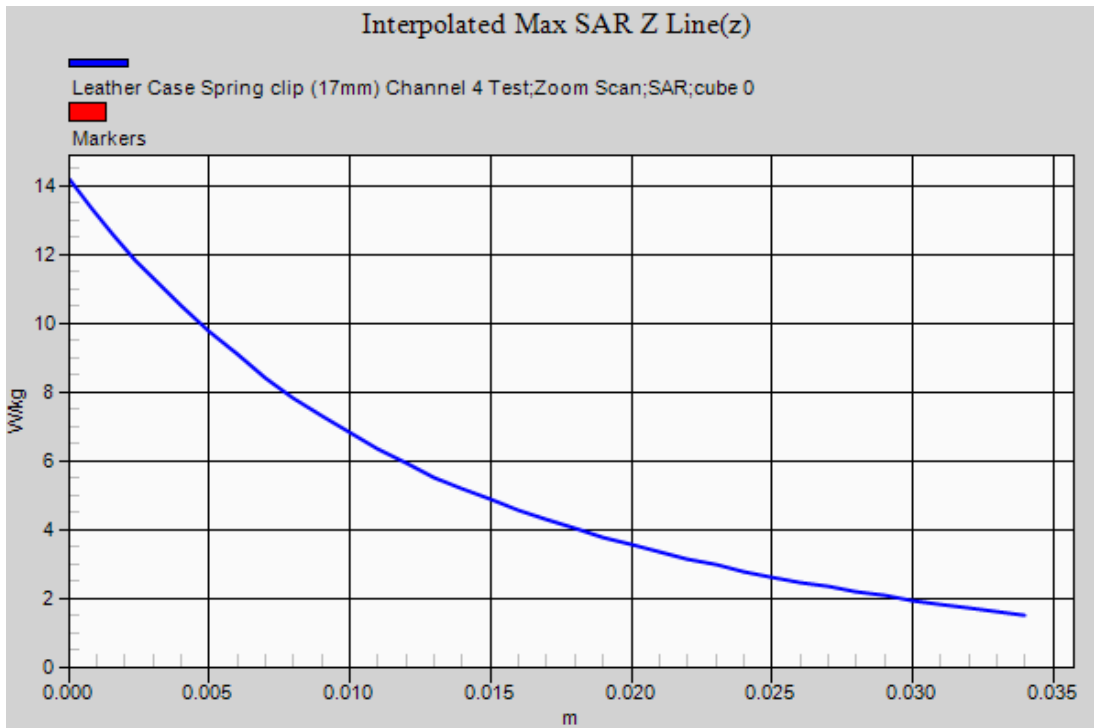
Ambient Temperature  
Liquid Temperature  
Humidity

20.3 Degrees Celsius  
19.9 Degrees Celsius  
50.0 %



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Test Date: 24 October 2012

File Name: M121023 850 MHz Body Worn Antenna Quarter-wave High capacity Battery 24-10-12.da52:0

DUT: Tait PTT Transceiver; Type: TPK5A; Serial: 25383160

- \* Communication System: CW; Frequency: 868.987 MHz; Duty Cycle: 1:1
- \* Medium parameters used:  $f = 868 \text{ MHz}$ ;  $\sigma = 1.006 \text{ mho/m}$ ;  $\epsilon_r = 52.949$ ;  $\rho = 1000 \text{ kg/m}^3$
- Electronics: DAE3 Sn442; Probe: ET3DV6 - SN1380; ConvF(5.94, 5.94, 5.94); Calibrated: 12/12/2011
- Phantom: Flat Phantom 9.1; Serial: P 9.1; Phantom section: Flat 2.2 Section

**Configuration/Leather Case Spring clip (17mm) Channel 5 Test/Area**

**Scan (81x201x1):** Interpolated grid:  $dx=1.500 \text{ mm}$ ,  $dy=1.500 \text{ mm}$

Maximum value of SAR (interpolated) = 8.53 W/kg

**Configuration/Leather Case Spring clip (17mm) Channel 5 Test/Zoom**

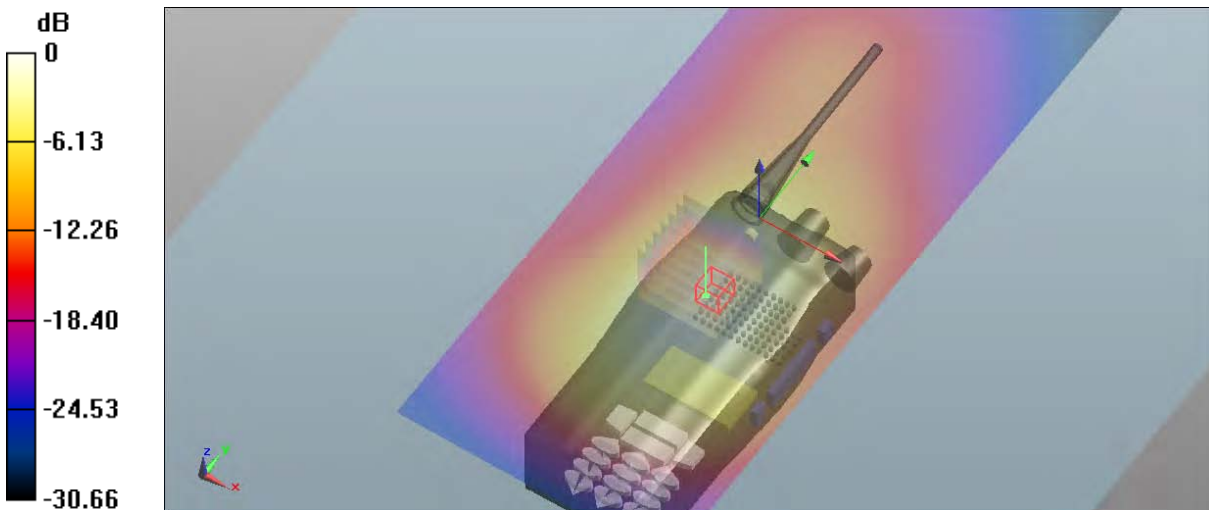
**Scan (8x7x7)/Cube 0:** Measurement grid:  $dx=5\text{mm}$ ,  $dy=5\text{mm}$ ,  $dz=5\text{mm}$

Reference Value = 19.347 V/m; Power Drift = -0.10 dB

Peak SAR (extrapolated) = 11.155 mW/g

**SAR(1 g) = 7.24 mW/g**

Maximum value of SAR (measured) = 8.08 W/kg



0 dB = 8.53 W/kg = 18.62 dB W/kg

**SAR MEASUREMENT PLOT 75**

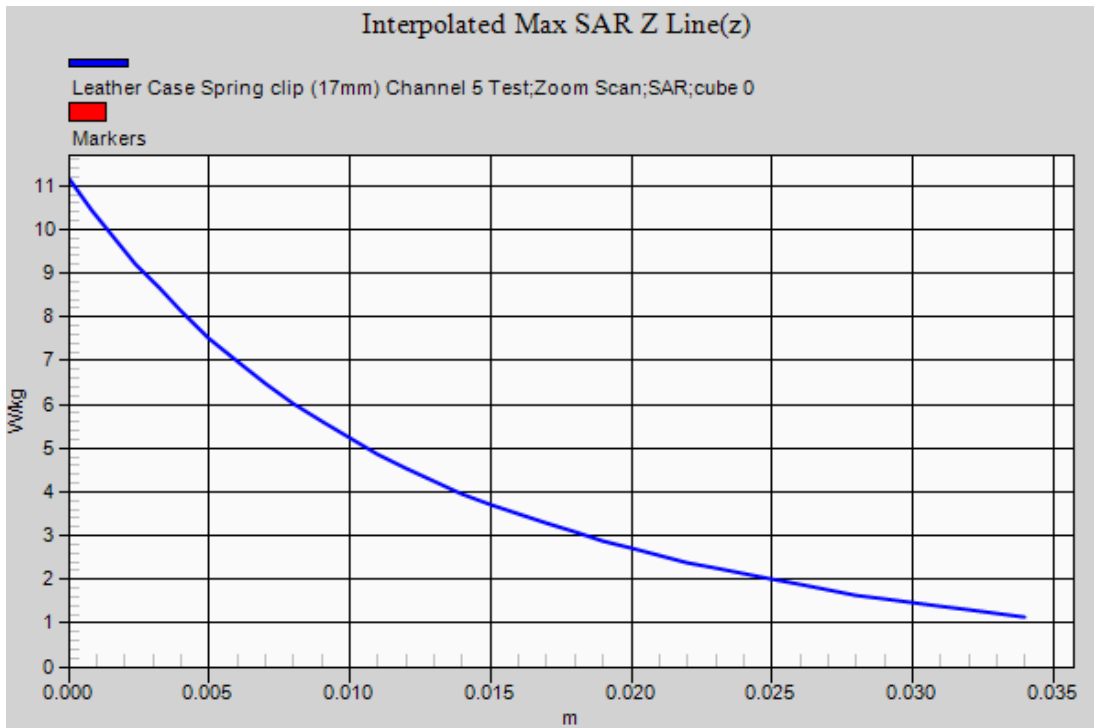
Ambient Temperature  
Liquid Temperature  
Humidity

20.4 Degrees Celsius  
20.0 Degrees Celsius  
37.0%



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Test Date: 31 January 2013

File Name: M121023 850 MHz Body Worn Antenna Hellical High Capacity Battery 31-01-12.da52:0

DUT: Tait PTT Transceiver; Type: TPK5A; Serial: 25383160

- \* Communication System: CW; Frequency: 868.987 MHz; Duty Cycle: 1:1
- \* Medium parameters used:  $f = 868 \text{ MHz}$ ;  $\sigma = 1 \text{ mho/m}$ ;  $\epsilon_r = 52.742$ ;  $\rho = 1000 \text{ kg/m}^3$
- Electronics: DAE3 Sn442; Probe: ET3DV6 - SN1380; ConvF(6, 6, 6); Calibrated: 10/12/2012
- Phantom: ELI 4.0; Serial: 1101; Phantom section: Flat Section

**Configuration/Leather Case Spring clip (17mm) Channel 5 Test/Area**

**Scan (81x201x1):** Interpolated grid:  $dx=1.500 \text{ mm}$ ,  $dy=1.500 \text{ mm}$

Maximum value of SAR (interpolated) = 8.81 W/kg

**Configuration/Leather Case Spring clip (17mm) Channel 5 Test/Zoom**

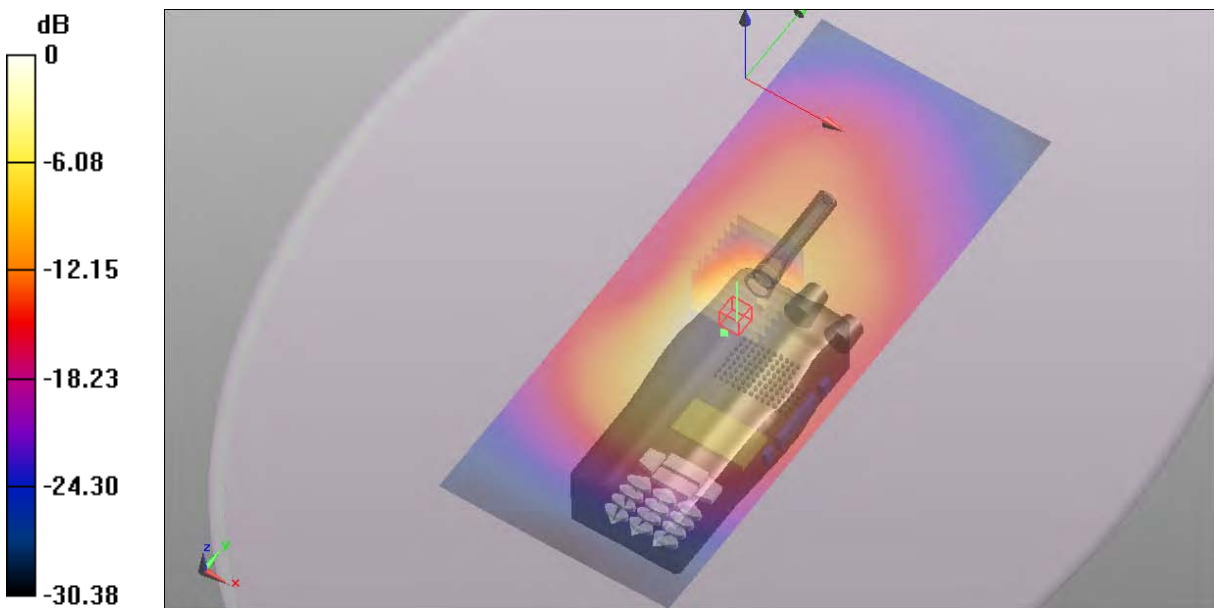
**Scan (8x8x7)/Cube 0:** Measurement grid:  $dx=5\text{mm}$ ,  $dy=5\text{mm}$ ,  $dz=5\text{mm}$

Reference Value = 33.867 V/m; Power Drift = -0.15 dB

Peak SAR (extrapolated) = 14.036 mW/g

**SAR(1 g) = 7.42 mW/g**

Maximum value of SAR (measured) = 8.12 W/kg



0 dB = 8.81 W/kg = 18.90 dB W/kg

**SAR MEASUREMENT PLOT 76**

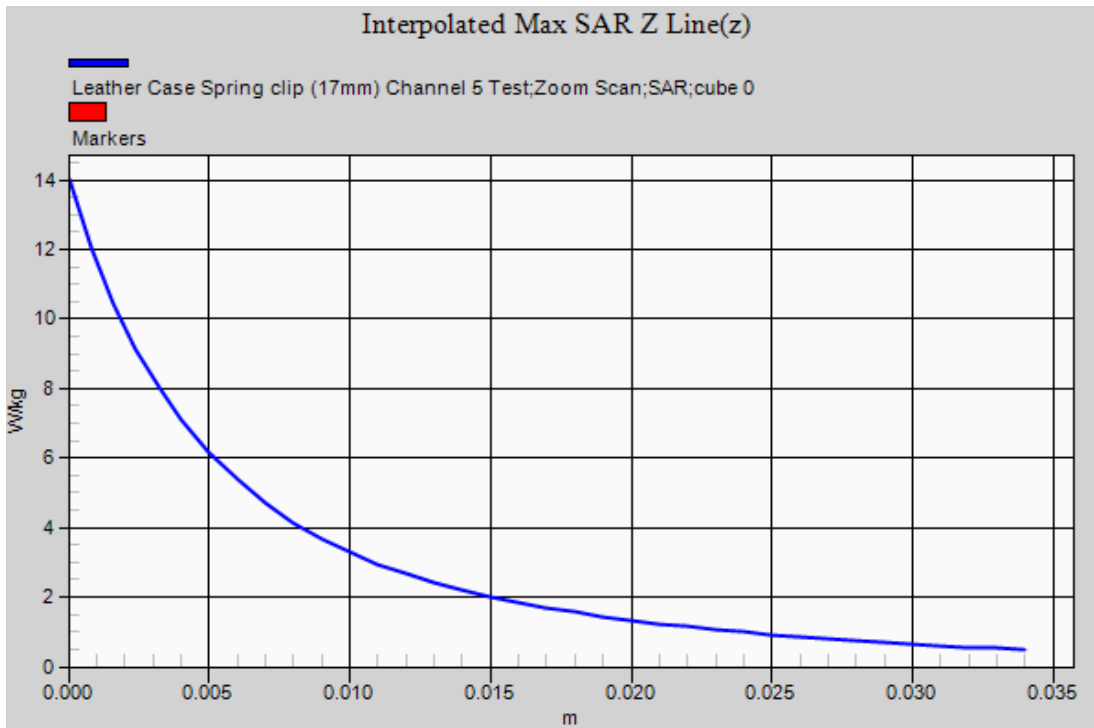
Ambient Temperature  
Liquid Temperature  
Humidity

20.3 Degrees Celsius  
19.9 Degrees Celsius  
50.0 %



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Test Date: 4 February 2013

File Name: M121023 750 MHz Body Worn Antenna Quarter-wave High Capacity Battery Alternative Audio Accessories 04-02-12.da52:0

DUT: Tait PTT Transceiver; Type: TPK5A; Serial: 25383160

\* Communication System: CW; Frequency: 769.069 MHz; Duty Cycle: 1:1

\* Medium parameters used:  $f = 770$  MHz;  $\sigma = 0.975$  mho/m;  $\epsilon_r = 54.615$ ;  $\rho = 1000$  kg/m<sup>3</sup>

- Electronics: DAE3 Sn442; Probe: ET3DV6 - SN1380; ConvF(6.19, 6.19, 6.19); Calibrated: 10/12/2012

- Phantom: ELI 4.0; Serial: 1101; Phantom section: Flat Section

**Configuration/Leather Case Spring clip (17mm) DEAA AudioAccessory**

**Channel 1 Test/Area Scan (81x201x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 12.5 W/kg

**Configuration/Leather Case Spring clip (17mm) DEAA Audio Accessory**

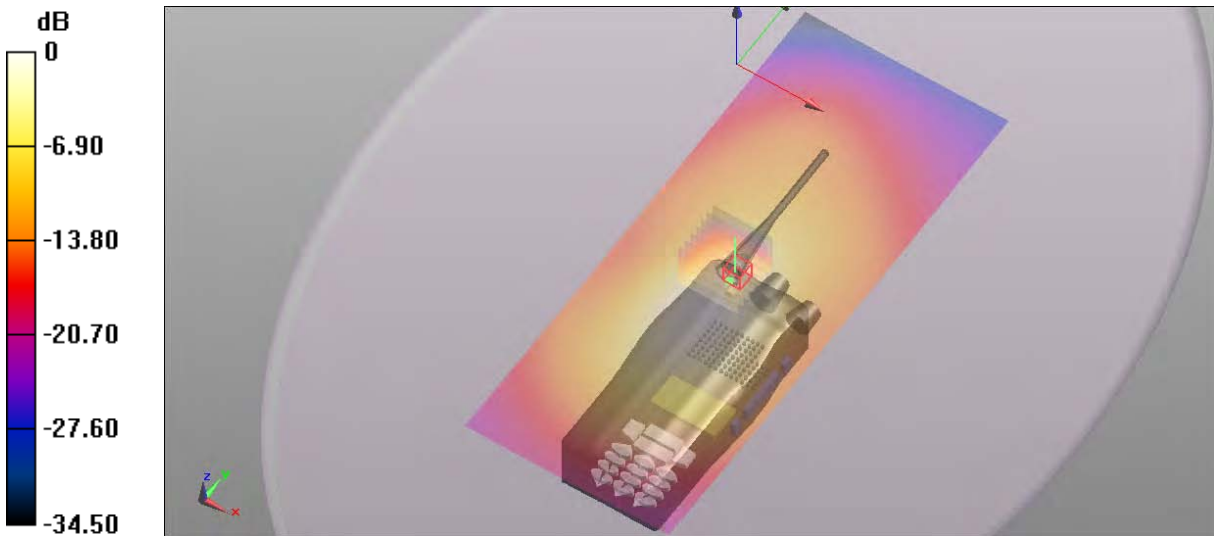
**Channel 1 Test/Zoom Scan (8x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 42.481 V/m; Power Drift = -0.16 dB

Peak SAR (extrapolated) = 21.244 mW/g

**SAR(1 g) = 10.3 mW/g**

Maximum value of SAR (measured) = 11.3 W/kg



0 dB = 12.5 W/kg = 21.94 dB W/kg

**SAR MEASUREMENT PLOT 77**

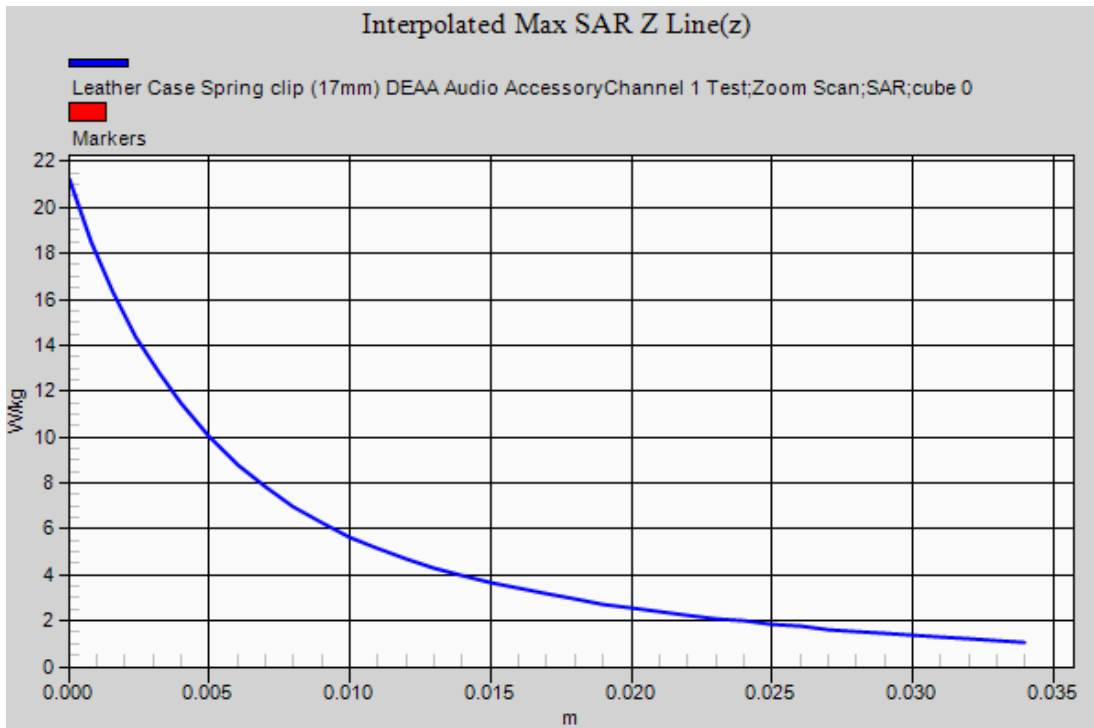
Ambient Temperature  
Liquid Temperature  
Humidity

20.4 Degrees Celsius  
20.0 Degrees Celsius  
53.0 %



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Test Date: 4 February 2013

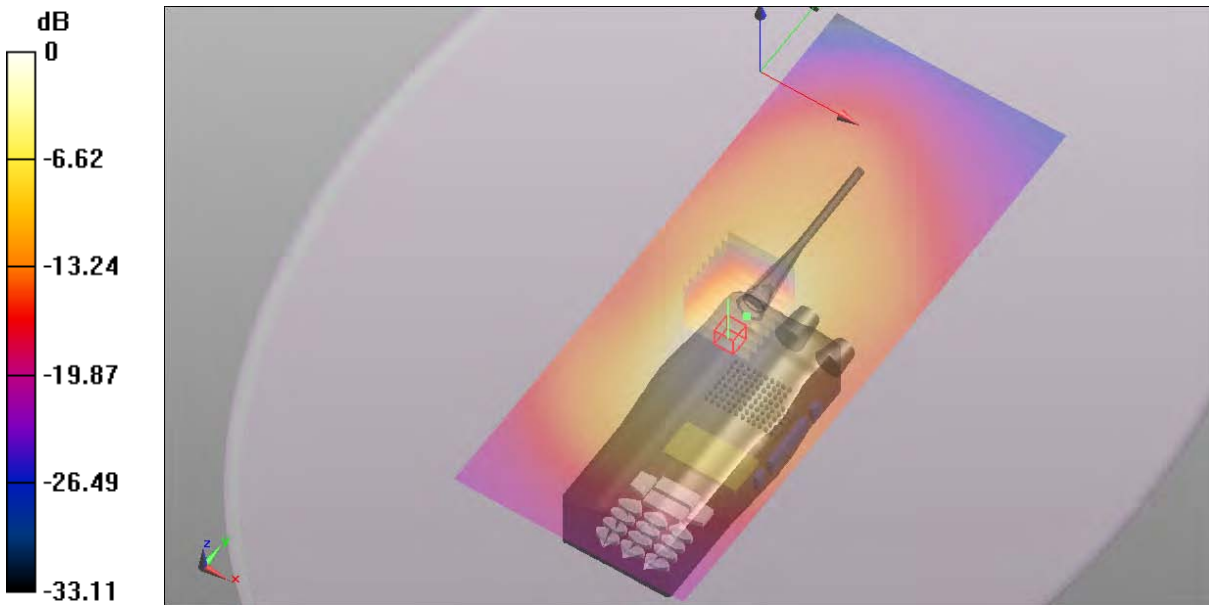
File Name: M121023 750 MHz Body Worn Antenna Quarter-wave High Capacity Battery Alternative Audio Accessories 04-02-12.da52:0

DUT: Tait PTT Transceiver; Type: TPK5A; Serial: 25383160

- \* Communication System: CW; Frequency: 799.069 MHz; Duty Cycle: 1:1
- \* Medium parameters used:  $f = 800$  MHz;  $\sigma = 1.006$  mho/m;  $\epsilon_r = 54.341$ ;  $\rho = 1000$  kg/m<sup>3</sup>
- Electronics: DAE3 Sn442; Probe: ET3DV6 - SN1380; ConvF(6.19, 6.19, 6.19); Calibrated: 10/12/2012
- Phantom: ELI 4.0; Serial: 1101; Phantom section: Flat Section

**Configuration/Leather Case Spring clip (17mm) DEAA Audio Accessory**  
**Channel 2 Test/Area Scan (81x201x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm  
 Maximum value of SAR (interpolated) = 11.1 W/kg

**Configuration/Leather Case Spring clip (17mm) DEAA Audio Accessory**  
**Channel 2 Test/Zoom Scan (8x8x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm  
 Reference Value = 44.172 V/m; Power Drift = -0.06 dB  
 Peak SAR (extrapolated) = 21.008 mW/g  
**SAR(1 g) = 10.9 mW/g**  
 Maximum value of SAR (measured) = 11.5 W/kg



0 dB = 11.1 W/kg = 20.91 dB W/kg

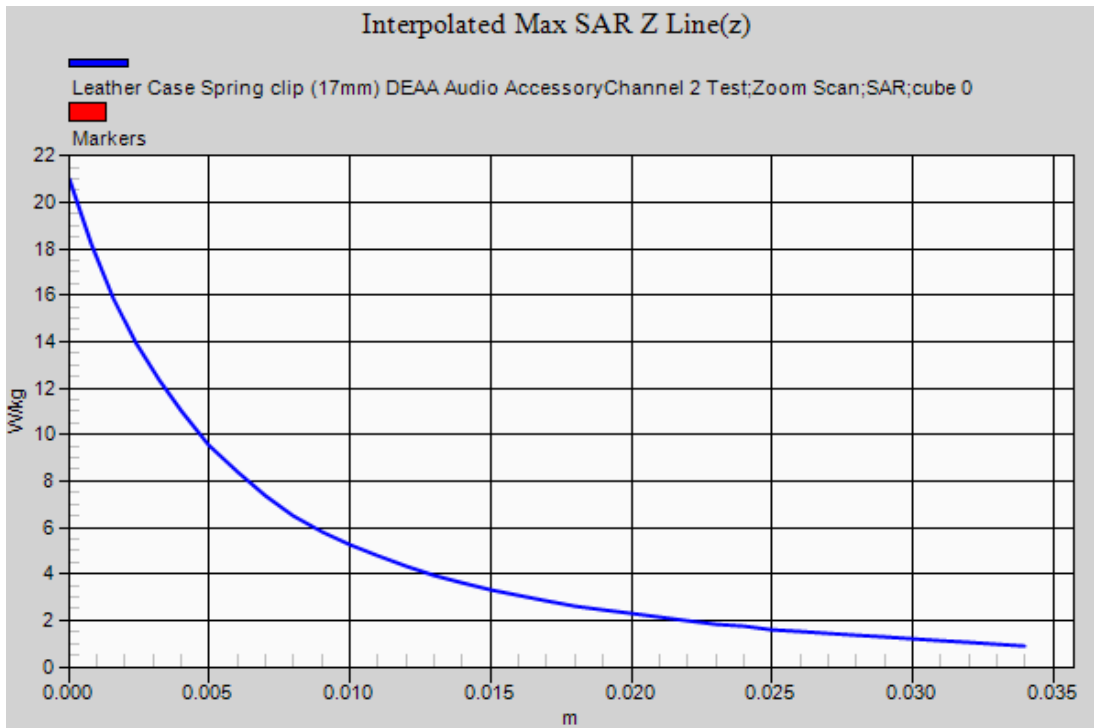
**SAR MEASUREMENT PLOT 78**

Ambient Temperature	20.4 Degrees Celsius
Liquid Temperature	20.0 Degrees Celsius
Humidity	53.0 %



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Test Date: 05 February 2013

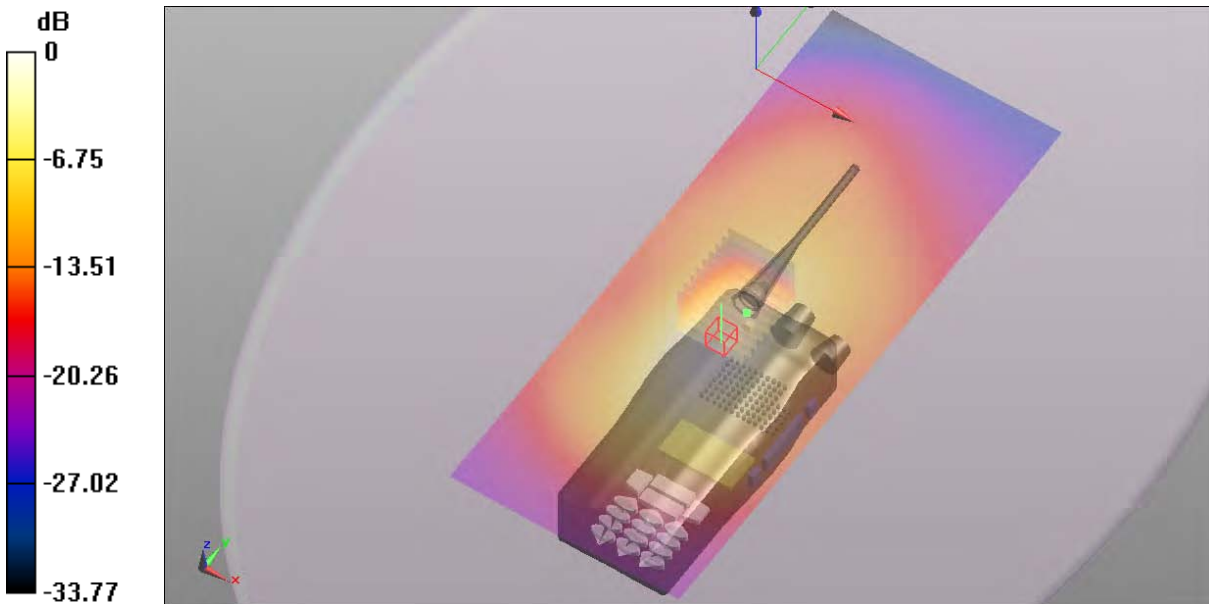
File Name: M121023 850 MHz Body Worn Antenna Quarter-wave High Capacity Battery Alternative Audio Accessories 05-02-12.da52:0

DUT: Tait PTT Transceiver; Type: TPK5A; Serial: 25383160

- \* Communication System: CW; Frequency: 807.513 MHz; Duty Cycle: 1:1
- \* Medium parameters used:  $f = 808 \text{ MHz}$ ;  $\sigma = 0.948 \text{ mho/m}$ ;  $\epsilon_r = 54.063$ ;  $\rho = 1000 \text{ kg/m}^3$
- Electronics: DAE3 Sn442; Probe: ET3DV6 - SN1380; ConvF(6, 6, 6); Calibrated: 10/12/2012
- Phantom: ELI 4.0; Serial: 1101; Phantom section: Flat Section

**Configuration/Leather Case Spring clip (17mm) DEAA Audio Accessory**  
**Channel 3 Test/Area Scan (81x201x1):** Interpolated grid:  $dx=1.500 \text{ mm}$ ,  $dy=1.500 \text{ mm}$   
 Maximum value of SAR (interpolated) = 10.7 W/kg

**Configuration/Leather Case Spring clip (17mm) DEAA Audio Accessory**  
**Channel 3 Test/Zoom Scan (8x9x7)/Cube 0:** Measurement grid:  $dx=5\text{mm}$ ,  $dy=5\text{mm}$ ,  $dz=5\text{mm}$   
 Reference Value = 37.765 V/m; Power Drift = -0.16 dB  
 Peak SAR (extrapolated) = 16.927 mW/g  
**SAR(1 g) = 9.43 mW/g** (SAR corrected for target medium)  
 Maximum value of SAR (measured) = 9.42 W/kg



0 dB = 10.7 W/kg = 20.59 dB W/kg

**SAR MEASUREMENT PLOT 79**

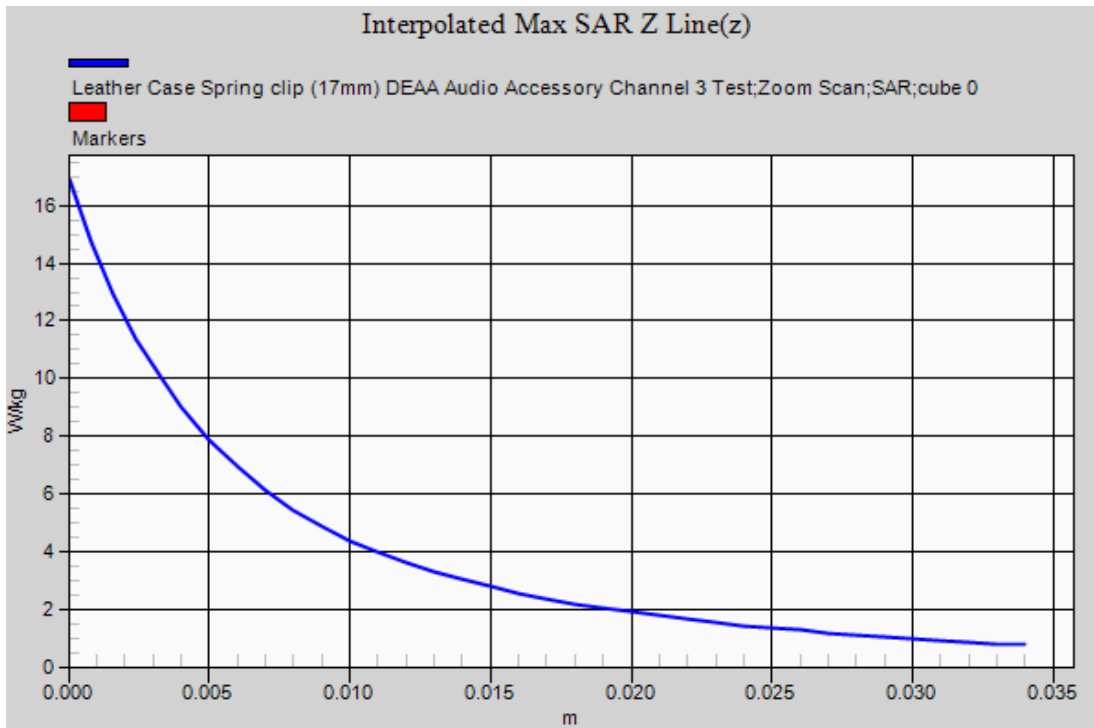
Ambient Temperature  
 Liquid Temperature  
 Humidity

**20.3 Degrees Celsius**  
**19.8 Degrees Celsius**  
**52.0 %**



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Test Date: 05 February 2013

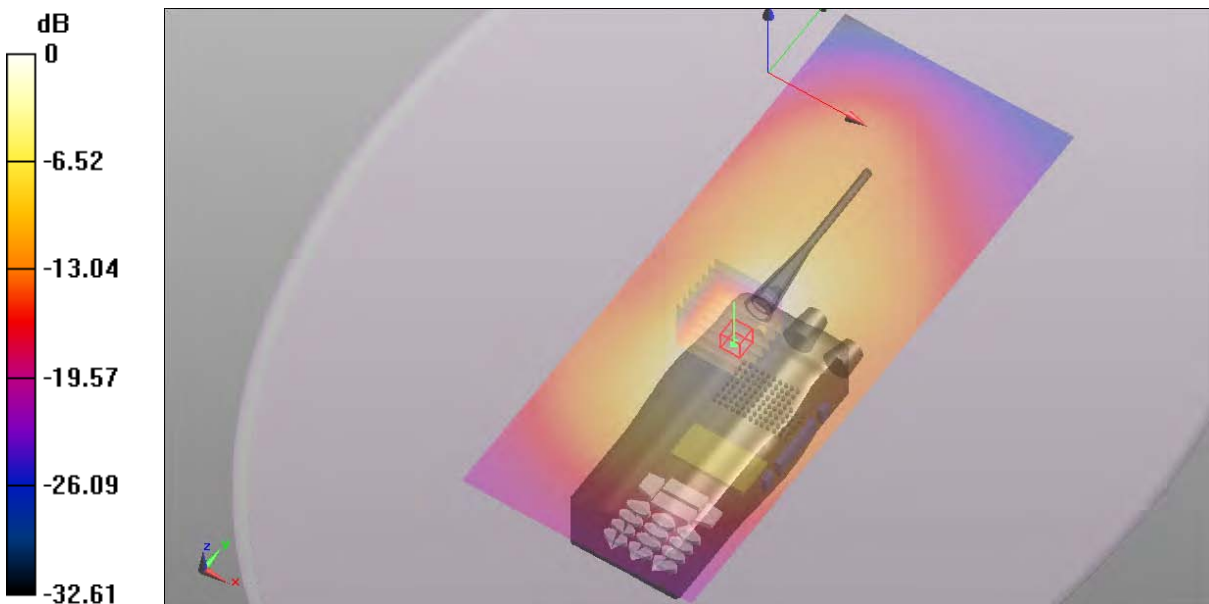
File Name: M121023 850 MHz Body Worn Antenna Quarter-wave High Capacity Battery Alternative Audio Accessories 05-02-12.da52:0

DUT: Tait PTT Transceiver; Type: TPK5A; Serial: 25383160

- \* Communication System: CW; Frequency: 823.987 MHz; Duty Cycle: 1:1
- \* Medium parameters used:  $f = 824 \text{ MHz}$ ;  $\sigma = 0.963 \text{ mho/m}$ ;  $\epsilon_r = 53.881$ ;  $\rho = 1000 \text{ kg/m}^3$
- Electronics: DAE3 Sn442; Probe: ET3DV6 - SN1380; ConvF(6, 6, 6); Calibrated: 10/12/2012
- Phantom: ELI 4.0; Serial: 1101; Phantom section: Flat Section

**Configuration/Leather Case Spring clip (17mm) DEAA Audio Accessory**  
**Channel 4 Test/Area Scan (81x201x1):** Interpolated grid:  $dx=1.500 \text{ mm}$ ,  $dy=1.500 \text{ mm}$   
 Maximum value of SAR (interpolated) = 7.39 W/kg

**Configuration/Leather Case Spring clip (17mm) DEAA Audio Accessory**  
**Channel 4 Test/Zoom Scan (8x7x7)/Cube 0:** Measurement grid:  $dx=5\text{mm}$ ,  $dy=5\text{mm}$ ,  $dz=5\text{mm}$   
 Reference Value = 36.926 V/m; Power Drift = -0.20 dB  
 Peak SAR (extrapolated) = 10.266 mW/g  
**SAR(1 g) = 7.45 mW/g** (SAR corrected for target medium)  
 Maximum value of SAR (measured) = 7.60 W/kg



0 dB = 7.39 W/kg = 17.37 dB W/kg

**SAR MEASUREMENT PLOT 80**

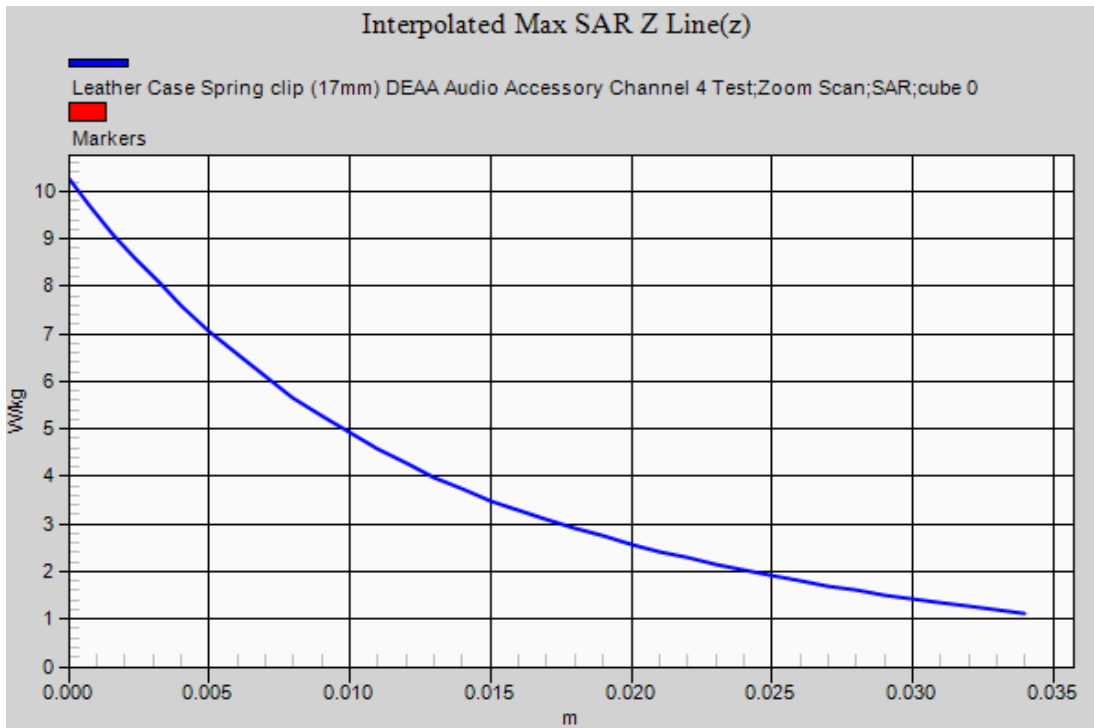
Ambient Temperature  
 Liquid Temperature  
 Humidity

**20.3 Degrees Celsius**  
**19.8 Degrees Celsius**  
**52.0 %**



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Test Date: 5 February 2013

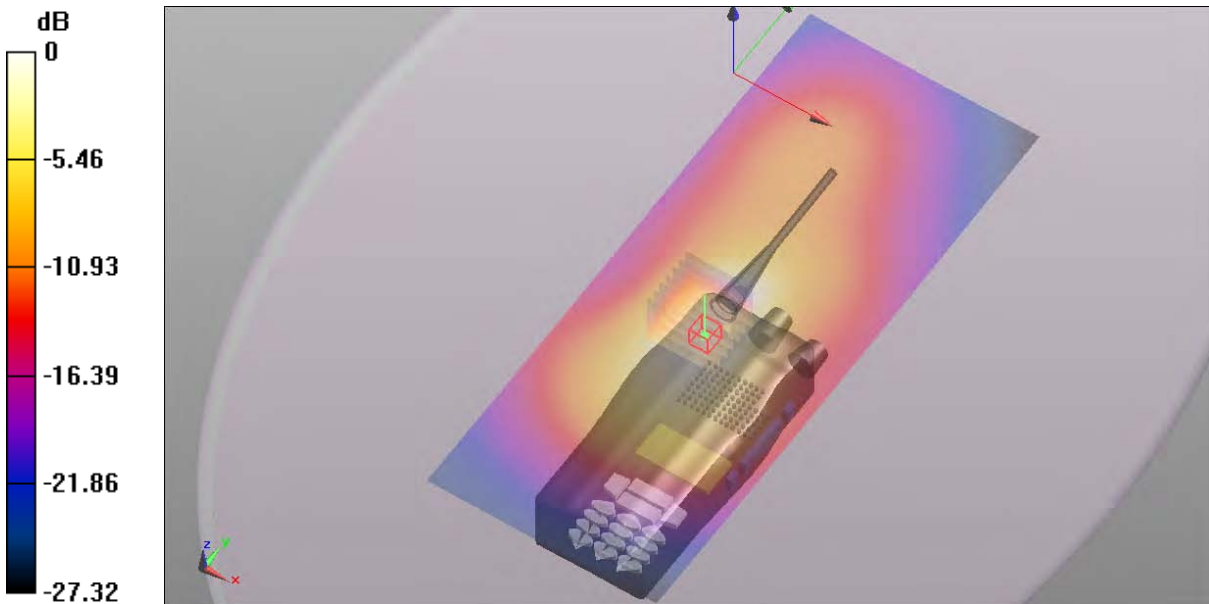
File Name: M121023 850 MHz Body Worn Antenna Quarter-wave High Capacity Battery Alternative Audio Accessories 05-02-12.da52:0

DUT: Tait PTT Transceiver; Type: TPK5A; Serial: 25383160

- \* Communication System: CW; Frequency: 868.987 MHz; Duty Cycle: 1:1
- \* Medium parameters used:  $f = 868 \text{ MHz}$ ;  $\sigma = 1.009 \text{ mho/m}$ ;  $\epsilon_r = 53.451$ ;  $\rho = 1000 \text{ kg/m}^3$
- Electronics: DAE3 Sn442; Probe: ET3DV6 - SN1380; ConvF(6, 6, 6); Calibrated: 10/12/2012
- Phantom: ELI 4.0; Serial: 1101; Phantom section: Flat Section

**Configuration/Leather Case Spring clip (17mm) DEAA Audio Accessory**  
**Channel 5 Test/Area Scan (81x201x1):** Interpolated grid:  $dx=1.500 \text{ mm}$ ,  $dy=1.500 \text{ mm}$   
 Maximum value of SAR (interpolated) = 6.65 W/kg

**Configuration/Leather Case Spring clip (17mm) DEAA Audio Accessory**  
**Channel 5 Test/Zoom Scan (8x7x7)/Cube 0:** Measurement grid:  $dx=5\text{mm}$ ,  $dy=5\text{mm}$ ,  $dz=5\text{mm}$   
 Reference Value = 28.264 V/m; Power Drift = -0.09 dB  
 Peak SAR (extrapolated) = 7.307 mW/g  
**SAR(1 g) = 4.98 mW/g**  
 Maximum value of SAR (measured) = 5.38 W/kg



0 dB = 6.65 W/kg = 16.46 dB W/kg

**SAR MEASUREMENT PLOT 81**

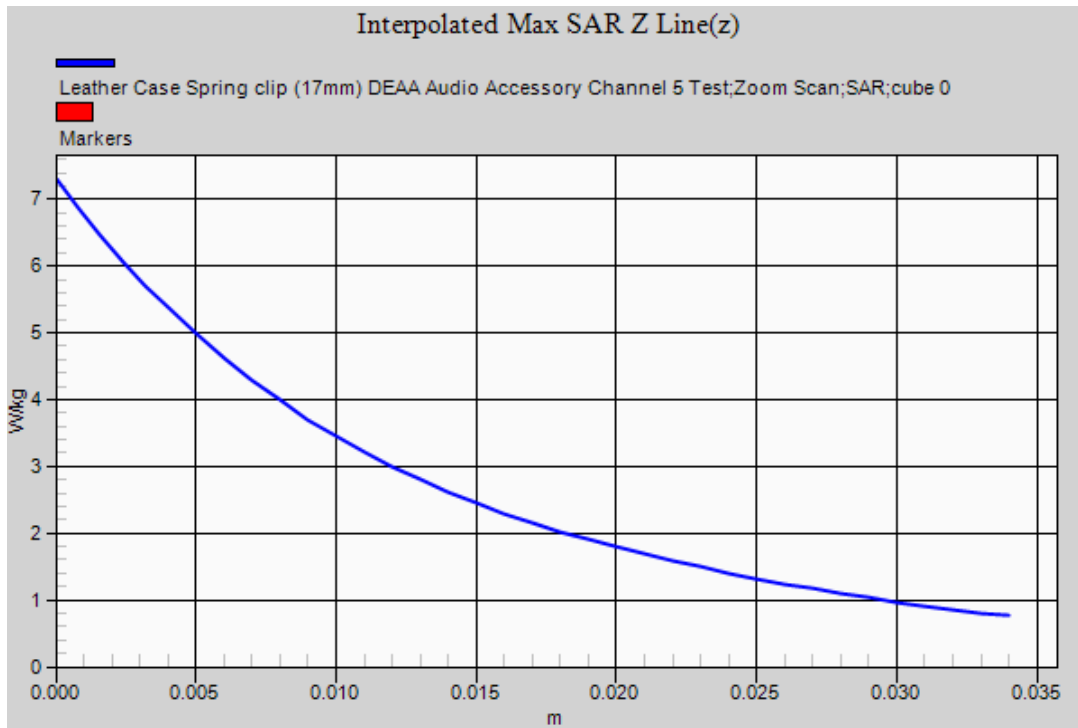
Ambient Temperature  
 Liquid Temperature  
 Humidity

**20.3 Degrees Celsius**  
**19.8 Degrees Celsius**  
**52.0 %**



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Test Date: 4 February 2013

File Name: M121023 750 MHz Body Worn Antenna Quarter-wave High Capacity Battery Alternative Audio Accessories 04-02-12.da52:0

DUT: Tait PTT Transceiver; Type: TPK5A; Serial: 25383160

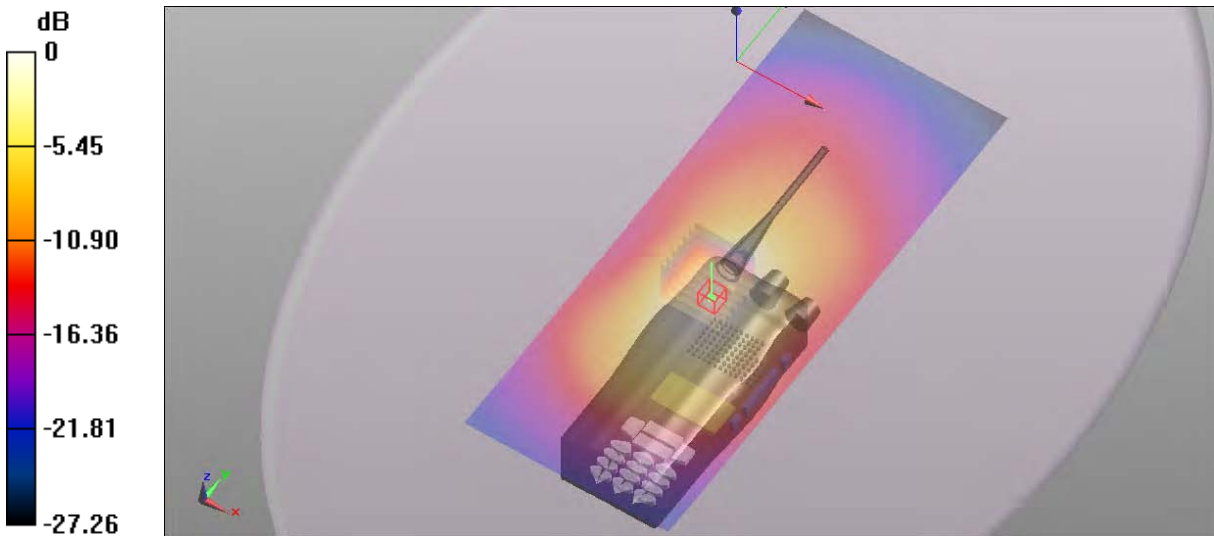
- \* Communication System: CW; Frequency: 769.069 MHz; Duty Cycle: 1:1
- \* Medium parameters used:  $f = 770$  MHz;  $\sigma = 0.975$  mho/m;  $\epsilon_r = 54.615$ ;  $\rho = 1000$  kg/m<sup>3</sup>
- Electronics: DAE3 Sn442; Probe: ET3DV6 - SN1380; ConvF(6.19, 6.19, 6.19); Calibrated: 10/12/2012
- Phantom: ELI 4.0; Serial: 1101; Phantom section: Flat Section

**Configuration/Leather Case Spring clip (17mm) EFAA Audio Accessory**

**Channel 1 Test/Area Scan (81x201x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm  
 Maximum value of SAR (interpolated) = 11.9 W/kg

**Configuration/Leather Case Spring clip (17mm) EFAA Audio Accessory**

**Channel 1 Test/Zoom Scan (8x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm  
 Reference Value = 43.418 V/m; Power Drift = -0.14 dB  
 Peak SAR (extrapolated) = 17.276 mW/g  
**SAR(1 g) = 11.8 mW/g**  
 Maximum value of SAR (measured) = 12.7 W/kg



0 dB = 11.9 W/kg = 21.51 dB W/kg

**SAR MEASUREMENT PLOT 82**

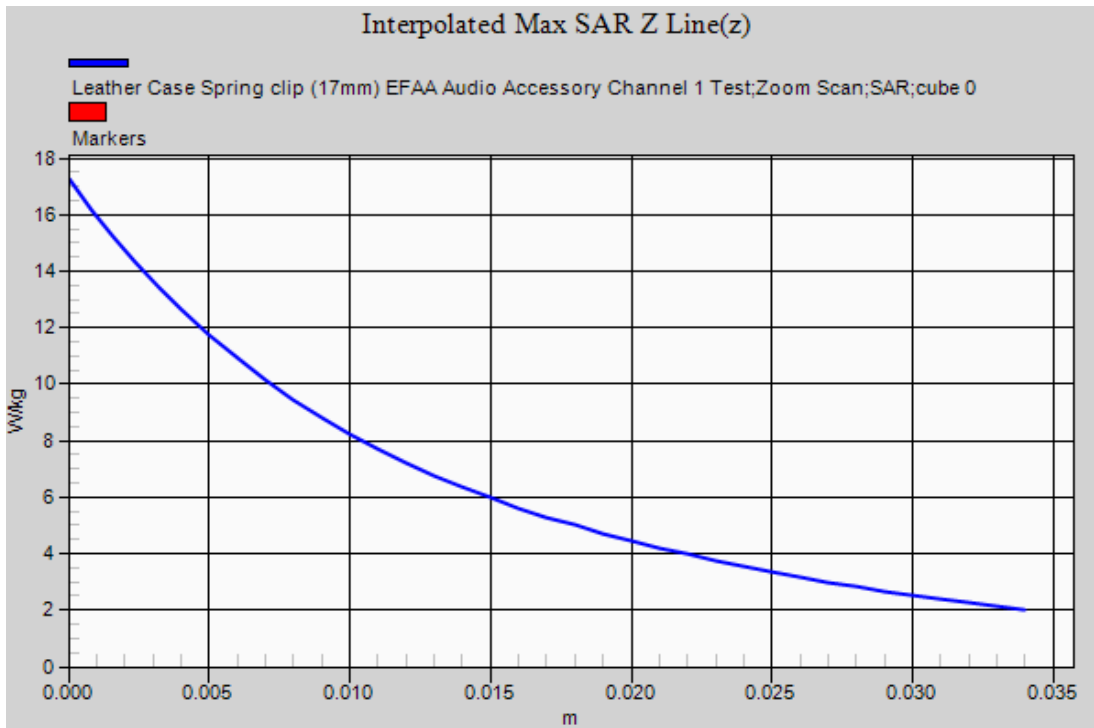
Ambient Temperature  
 Liquid Temperature  
 Humidity

20.4 Degrees Celsius  
 20.0 Degrees Celsius  
 53.0 %



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Test Date: 4 February 2013

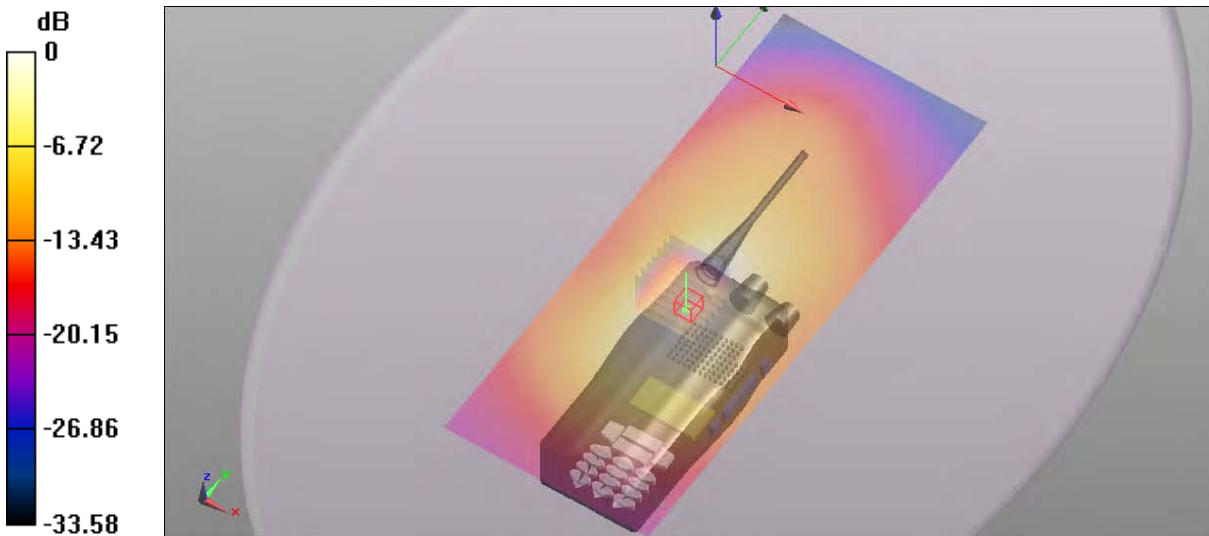
File Name: M121023 750 MHz Body Worn Antenna Quarter-wave High Capacity Battery Alternative Audio Accessories 04-02-12.da52:0

DUT: Tait PTT Transceiver; Type: TPK5A; Serial: 25383160

- \* Communication System: CW; Frequency: 799.069 MHz; Duty Cycle: 1:1
- \* Medium parameters used:  $f = 800$  MHz;  $\sigma = 1.006$  mho/m;  $\epsilon_r = 54.341$ ;  $\rho = 1000$  kg/m<sup>3</sup>
- Electronics: DAE3 Sn442; Probe: ET3DV6 - SN1380; ConvF(6.19, 6.19, 6.19); Calibrated: 10/12/2012
- Phantom: ELI 4.0; Serial: 1101; Phantom section: Flat Section

**Configuration/Leather Case Spring clip (17mm) EFAA Audio Accessory**  
**Channel 2 Test/Area Scan (81x201x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm  
 Maximum value of SAR (interpolated) = 10.4 W/kg

**Configuration/Leather Case Spring clip (17mm) EFAA Audio Accessory**  
**Channel 2 Test/Zoom Scan (8x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm  
 Reference Value = 41.535 V/m; Power Drift = -0.19 dB  
 Peak SAR (extrapolated) = 14.869 mW/g  
**SAR(1 g) = 10.1 mW/g**  
 Maximum value of SAR (measured) = 10.9 W/kg



0 dB = 10.4 W/kg = 20.34 dB W/kg

**SAR MEASUREMENT PLOT 83**

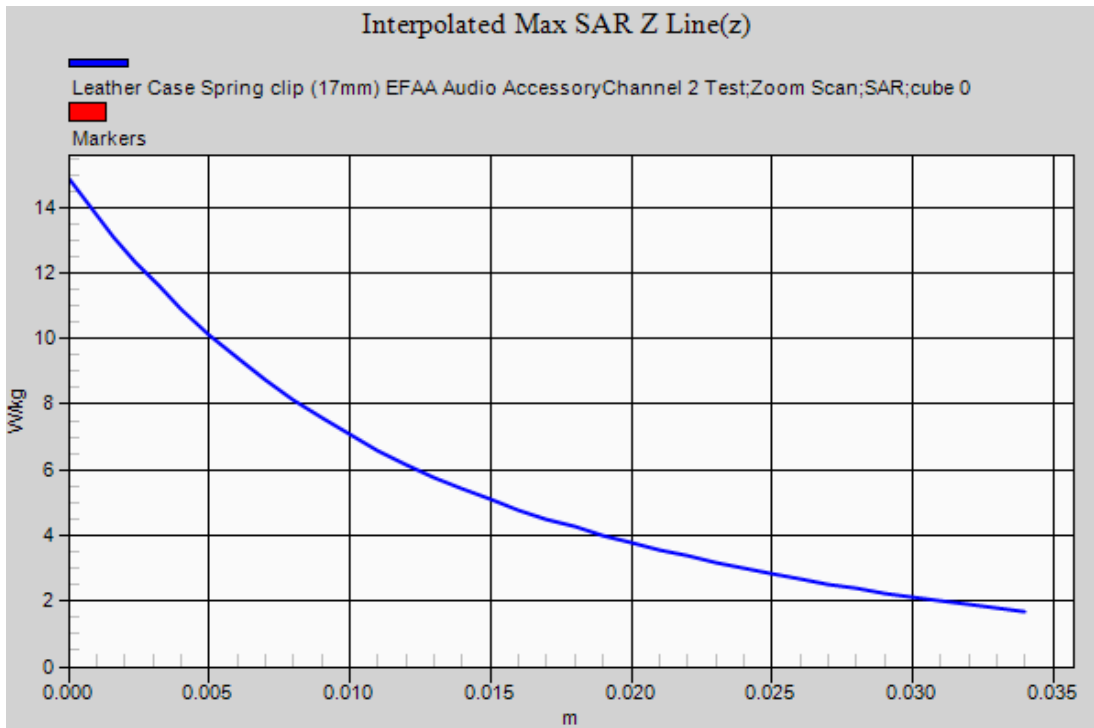
Ambient Temperature  
 Liquid Temperature  
 Humidity

20.4 Degrees Celsius  
 20.0 Degrees Celsius  
 53.0 %



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