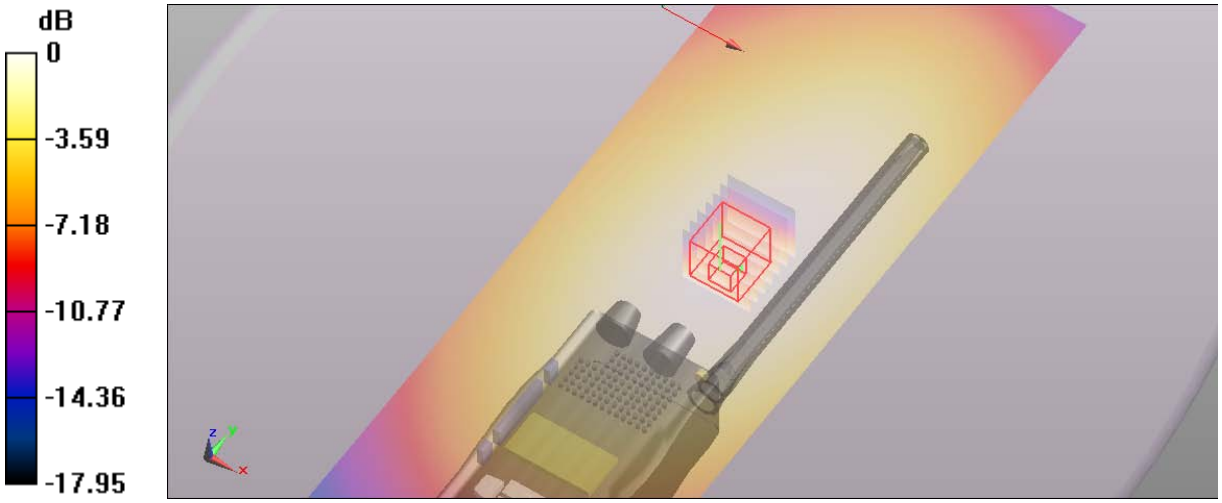
APPENDIX B – PLOTS OF SAR MEASUREMENTS

Test Date: 10 October 2012
File Name: M120922 150 MHz Face Frontal Antenna 143.5 MHz 10-10-12.da52:0
DUT: Tait PTT Transceiver; Type: TPDB1A; Serial: 25385967

* Communication System: CW; Frequency: 143.5 MHz; Duty Cycle: 1:1
* Medium parameters used: f = 144 MHz; σ = 0.731 mho/m; ε_r = 53.534; ρ = 1000 kg/m^3
- Electronics: DAE3 Sn442; Probe: ET3DV6 - SN1380; ConvF(8.1, 8.1, 8.1); Calibrated: 12/12/2011
- Phantom: ELI 4.0; Serial: 1101; Phantom section: Flat Section

Configuration/Channel 2 Test/Area Scan (81x241x1): Interpolated grid:
dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 1.80 W/kg

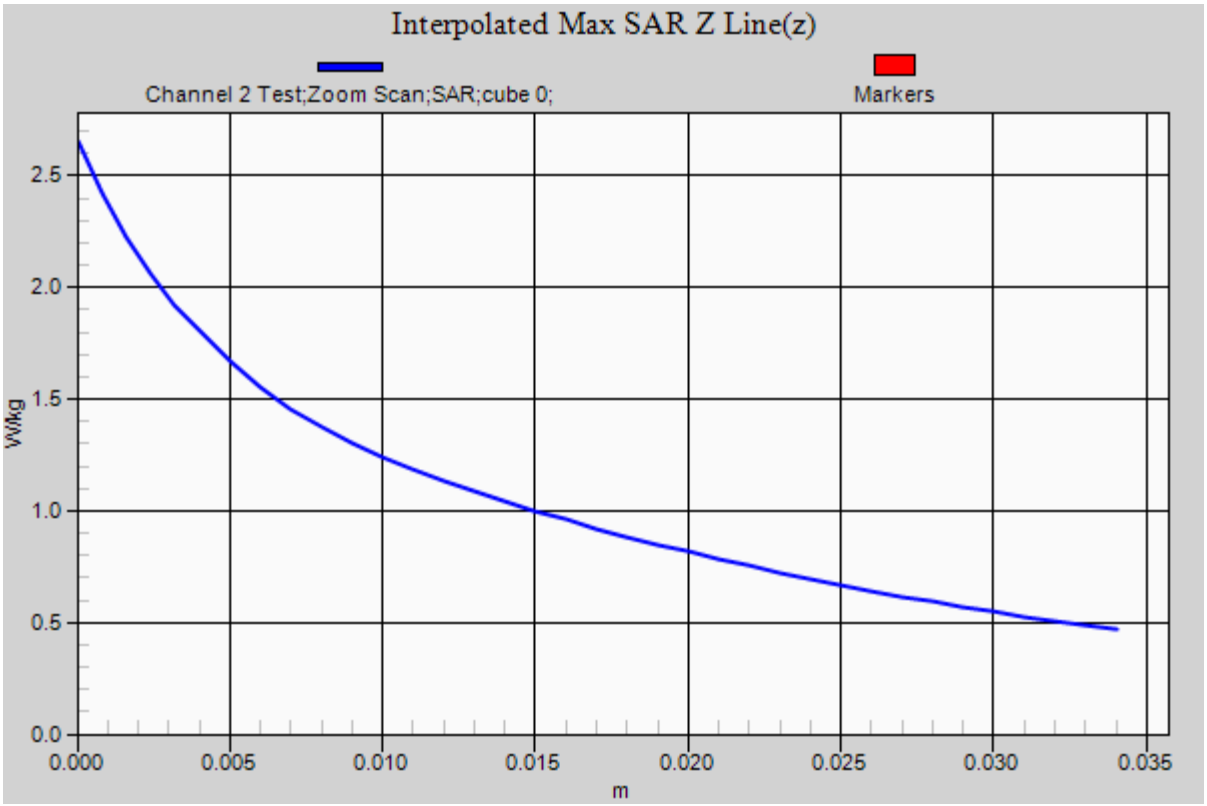
Configuration/Channel 2 Test/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 49.219 V/m; Power Drift = 0.07 dB
Peak SAR (extrapolated) = 2.653 mW/g
SAR(1 g) = 1.74 mW/g; SAR(10 g) = 1.32 mW/g
Maximum value of SAR (measured) = 1.80 W/kg



0 dB = 1.80 W/kg = 5.11 dB W/kg

SAR MEASUREMENT PLOT 1

Ambient Temperature	**20.9 Degrees Celsius**
Liquid Temperature	**20.5 Degrees Celsius**
Humidity	**37.0%**

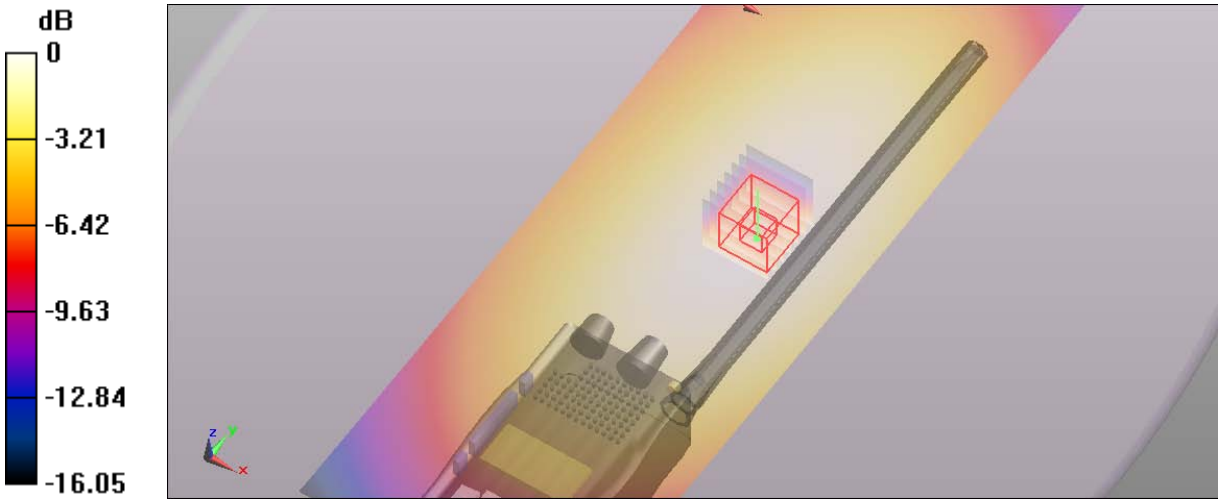


Test Date: 10 October 2012
File Name: M120922 150 MHz Face Frontal Antenna Wideband 10-10-12.da52:0
DUT: Tait PTT Transceiver; Type: TPDB1A; Serial: 25385967

* Communication System: CW; Frequency: 145.5 MHz; Duty Cycle: 1:1
* Medium parameters used: f = 146 MHz; σ = 0.733 mho/m; ε_r = 53.487; ρ = 1000 kg/m^3
- Electronics: DAE3 Sn442; Probe: ET3DV6 - SN1380; ConvF(8.1, 8.1, 8.1); Calibrated: 12/12/2011
- Phantom: ELI 4.0; Serial: 1101; Phantom section: Flat Section

Configuration/Channel 3 Test/Area Scan (81x241x1): Interpolated grid:
dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.717 W/kg

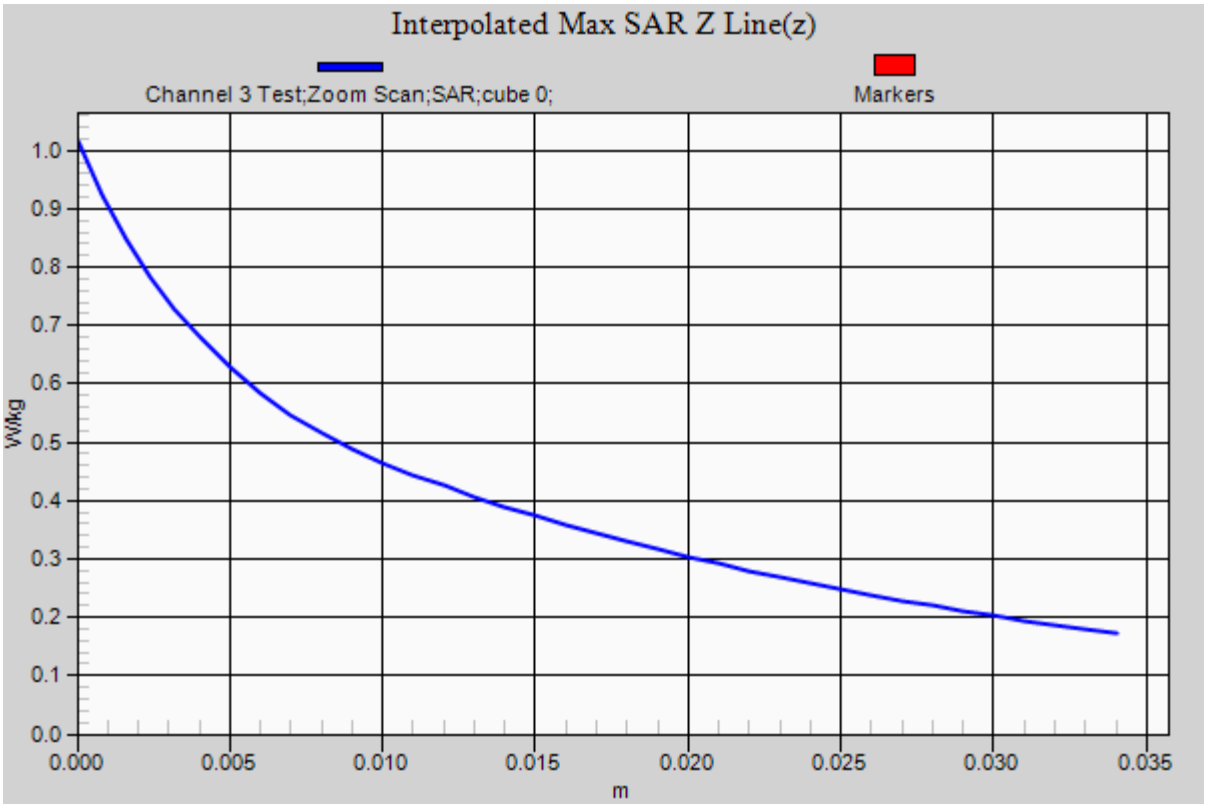
Configuration/Channel 3 Test/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 31.829 V/m; Power Drift = 0.01 dB
Peak SAR (extrapolated) = 1.015 mW/g
SAR(1 g) = 0.658 mW/g; SAR(10 g) = 0.494 mW/g
Maximum value of SAR (measured) = 0.680 W/kg



0 dB = 0.717 W/kg = -2.89 dB W/kg

SAR MEASUREMENT PLOT 2

Ambient Temperature	**20.9 Degrees Celsius**
Liquid Temperature	**20.5 Degrees Celsius**
Humidity	**37.0%**

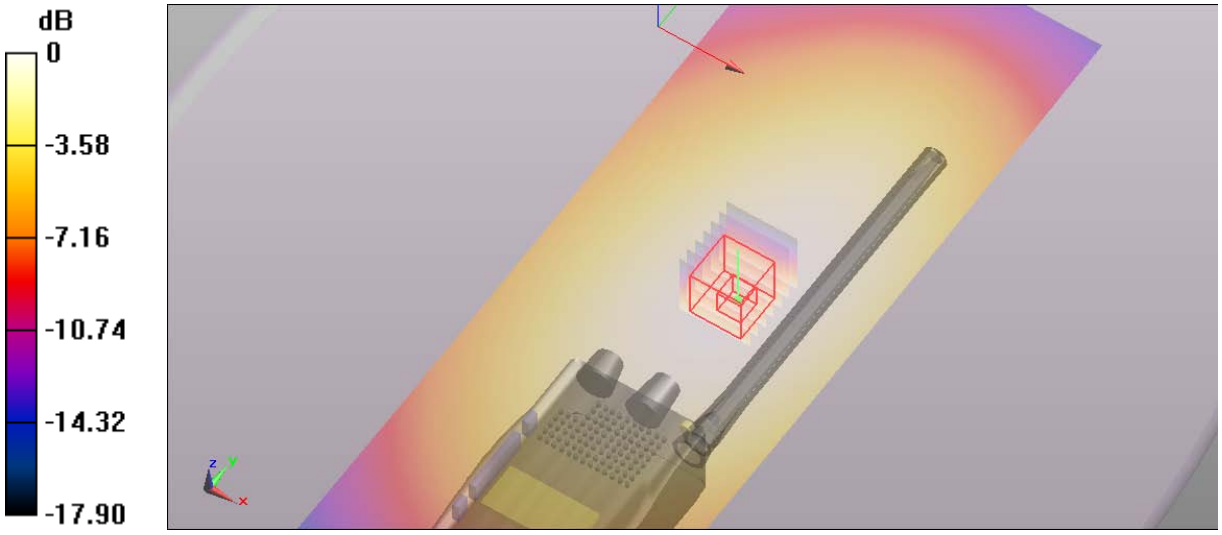


Test Date: 10 October 2012
File Name: M120922 150 MHz Face Frontal Antenna 156 MHz 10-10-12.da52:0
DUT: Tait PTT Transceiver; Type: TPDB1A; Serial: 25385967

* Communication System: CW; Frequency: 156 MHz; Duty Cycle: 1:1
* Medium parameters used: f = 156 MHz; σ = 0.738 mho/m; ε_r = 53.108; ρ = 1000 kg/m^3
- Electronics: DAE3 Sn442; Probe: ET3DV6 - SN1380; ConvF(8.1, 8.1, 8.1); Calibrated: 12/12/2011
- Phantom: ELI 4.0; Serial: 1101; Phantom section: Flat Section

Configuration/Channel 7 Test/Area Scan (81x241x1): Interpolated grid:
dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 2.91 W/kg

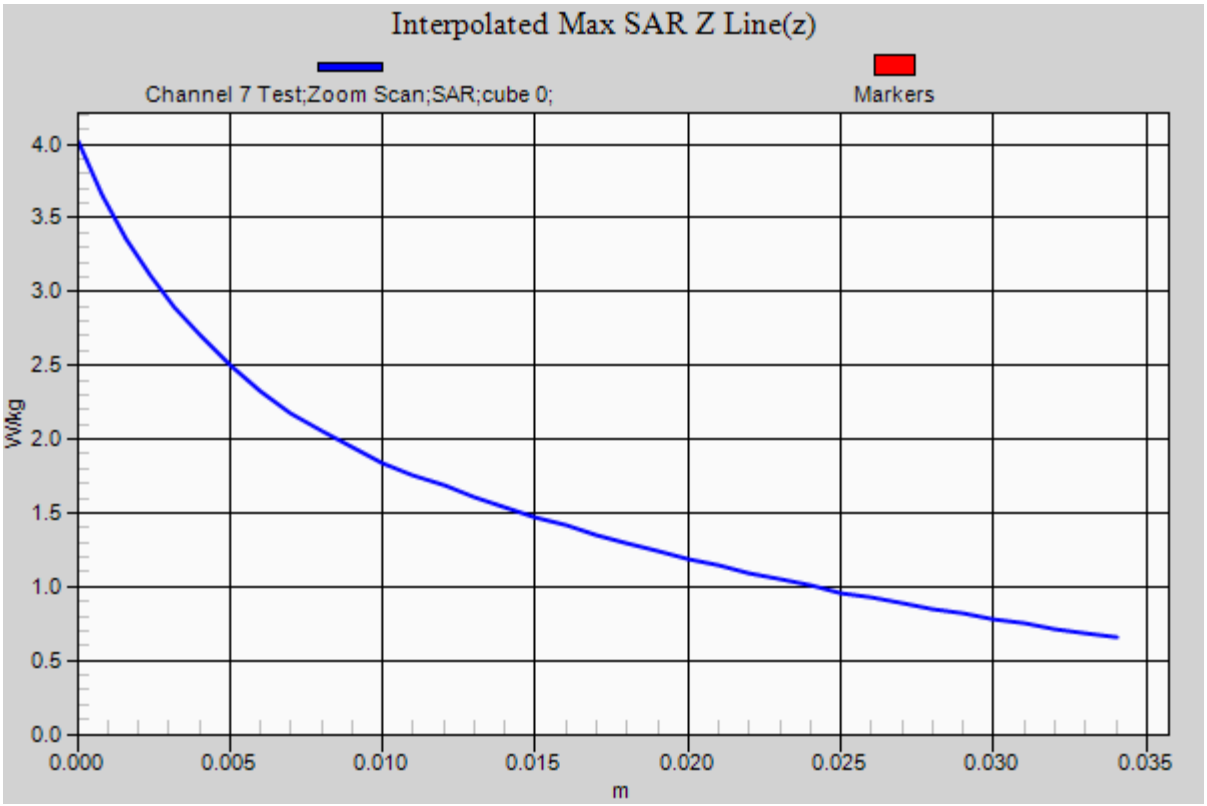
Configuration/Channel 7 Test/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 59.505 V/m; Power Drift = -0.20 dB
Peak SAR (extrapolated) = 4.018 mW/g
SAR(1 g) = 2.63 mW/g; SAR(10 g) = 1.97 mW/g
Maximum value of SAR (measured) = 2.70 W/kg



0 dB = 2.91 W/kg = 9.28 dB W/kg

SAR MEASUREMENT PLOT 3

Ambient Temperature	**20.9 Degrees Celsius**
Liquid Temperature	**20.5 Degrees Celsius**
Humidity	**37.0%**

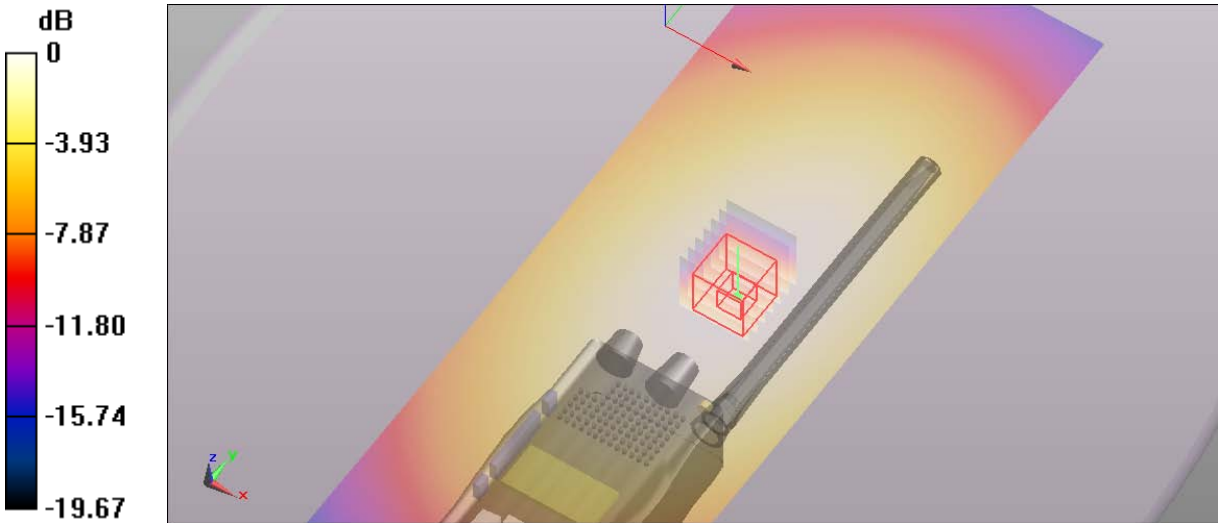


Test Date: 10 October 2012
File Name: M120922 150 MHz Face Frontal Antenna 168 MHz 10-10-12.da52:0
DUT: Tait PTT Transceiver; Type: TPDB1A; Serial: 25385967

* Communication System: CW; Frequency: 168 MHz; Duty Cycle: 1:1
* Medium parameters used: f = 174 MHz; σ = 0.76 mho/m; ε_r = 52.3; ρ = 1000 kg/m^3
- Electronics: DAE3 Sn442; Probe: ET3DV6 - SN1380; ConvF(8.1, 8.1, 8.1); Calibrated: 12/12/2011
- Phantom: ELI 4.0; Serial: 1101; Phantom section: Flat Section

Configuration/Channel 10 Test/Area Scan (81x241x1): Interpolated grid:
dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 2.89 W/kg

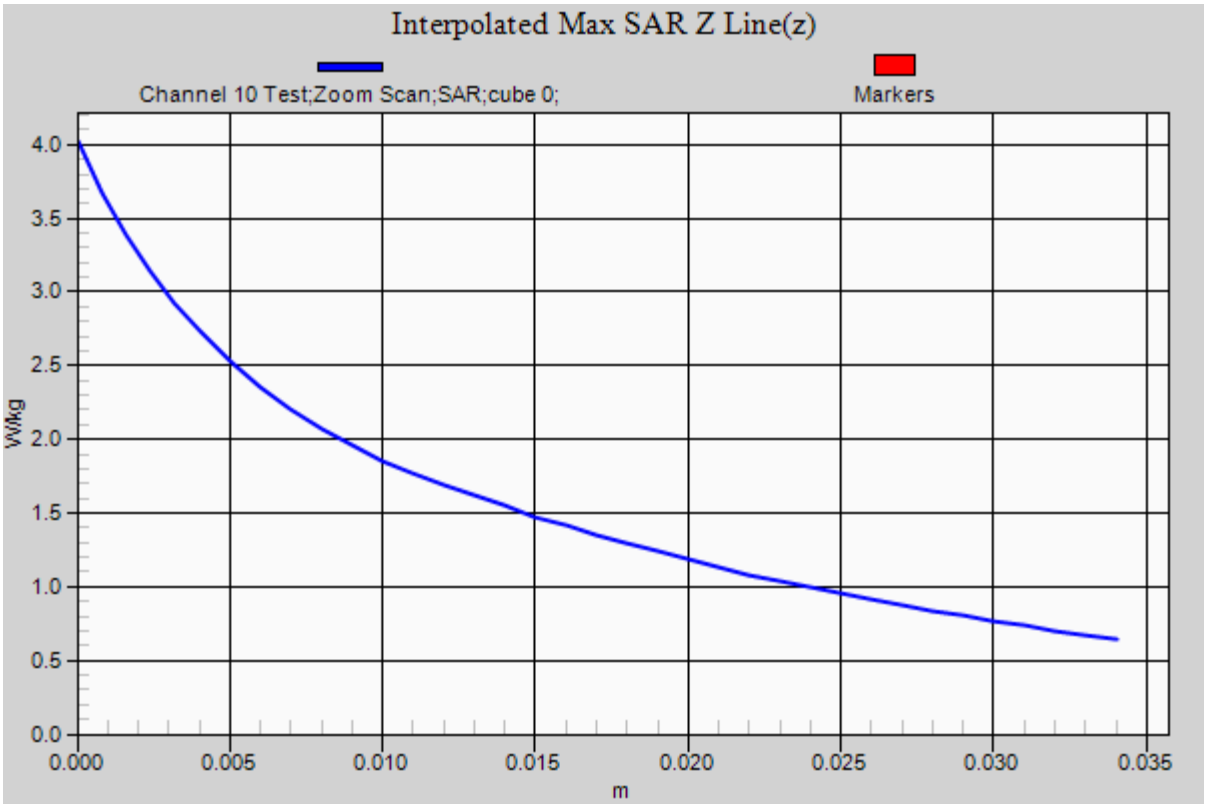
Configuration/Channel 10 Test/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 62.447 V/m; Power Drift = -0.16 dB
Peak SAR (extrapolated) = 4.021 mW/g
SAR(1 g) = 2.64 mW/g; SAR(10 g) = 1.97 mW/g
Maximum value of SAR (measured) = 2.73 W/kg



0 dB = 2.89 W/kg = 9.22 dB W/kg

SAR MEASUREMENT PLOT 4

Ambient Temperature	**20.9 Degrees Celsius**
Liquid Temperature	**20.5 Degrees Celsius**
Humidity	**37.0%**

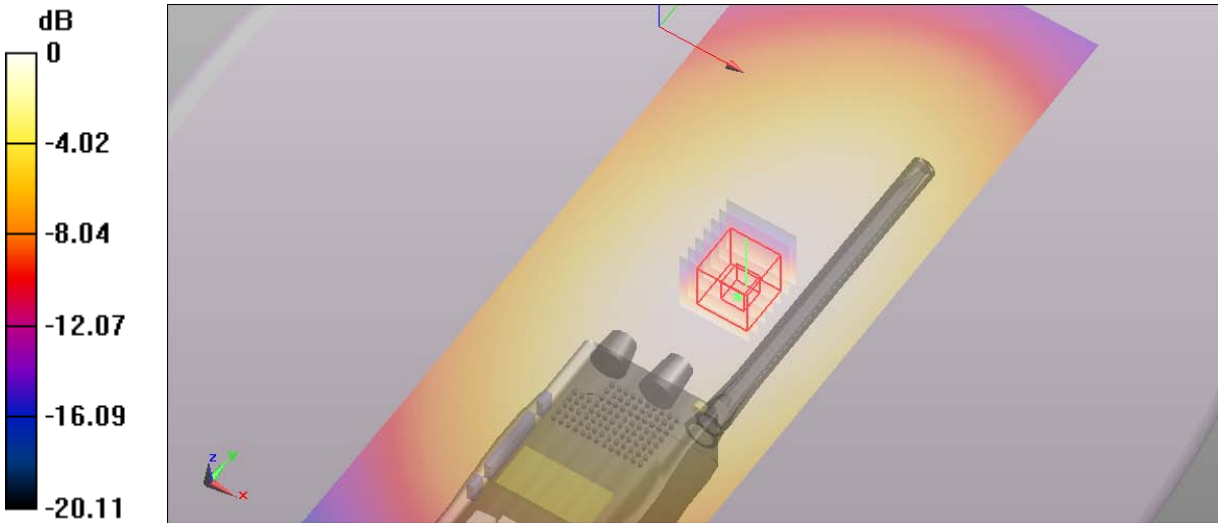


Test Date: 10 October 2012
File Name: M120922 150 MHz Face Frontal Antenna Low Capacity Battery 168 MHz 10-10-12.da52:0
DUT: Tait PTT Transceiver; Type: TPDB1A; Serial: 25385967

* Communication System: CW; Frequency: 168 MHz; Duty Cycle: 1:1
* Medium parameters used: f = 174 MHz; σ = 0.76 mho/m; ε_r = 52.3; ρ = 1000 kg/m^3
- Electronics: DAE3 Sn442; Probe: ET3DV6 - SN1380; ConvF(8.1, 8.1, 8.1); Calibrated: 12/12/2011
- Phantom: ELI 4.0; Serial: 1101; Phantom section: Flat Section

Configuration/Channel 10 Test/Area Scan (81x241x1): Interpolated grid:
dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 3.40 W/kg

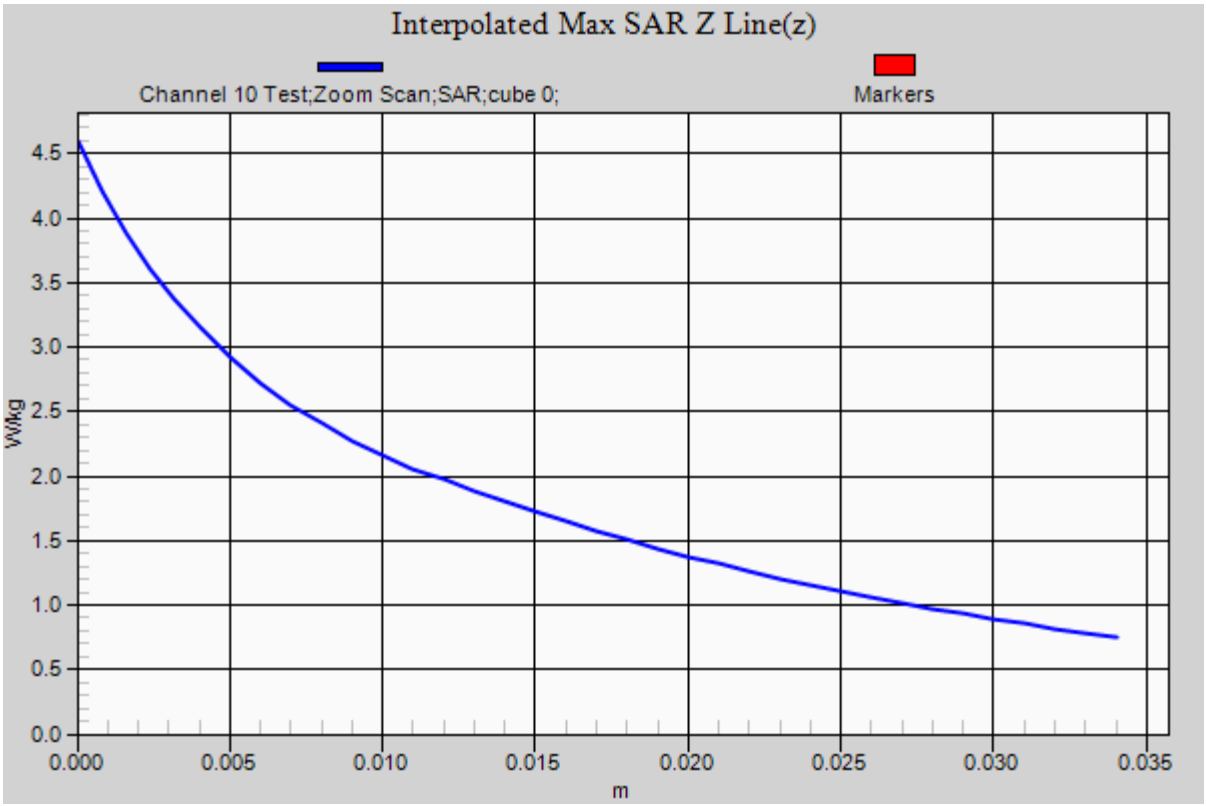
Configuration/Channel 10 Test/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 67.529 V/m; Power Drift = -0.19 dB
Peak SAR (extrapolated) = 4.592 mW/g
SAR(1 g) = 3.05 mW/g; SAR(10 g) = 2.28 mW/g
Maximum value of SAR (measured) = 3.16 W/kg



0 dB = 3.40 W/kg = 10.63 dB W/kg

SAR MEASUREMENT PLOT 5

Ambient Temperature	**20.9 Degrees Celsius**
Liquid Temperature	**20.5 Degrees Celsius**
Humidity	**37.0%**



Test Date: 16 October 2012
File Name: M120922 150 MHz Body Worn Antenna 143.5 MHz 16-10-12.da52:0
DUT: Tait PTT Transceiver; Type: TPDB1A; Serial: 25385967

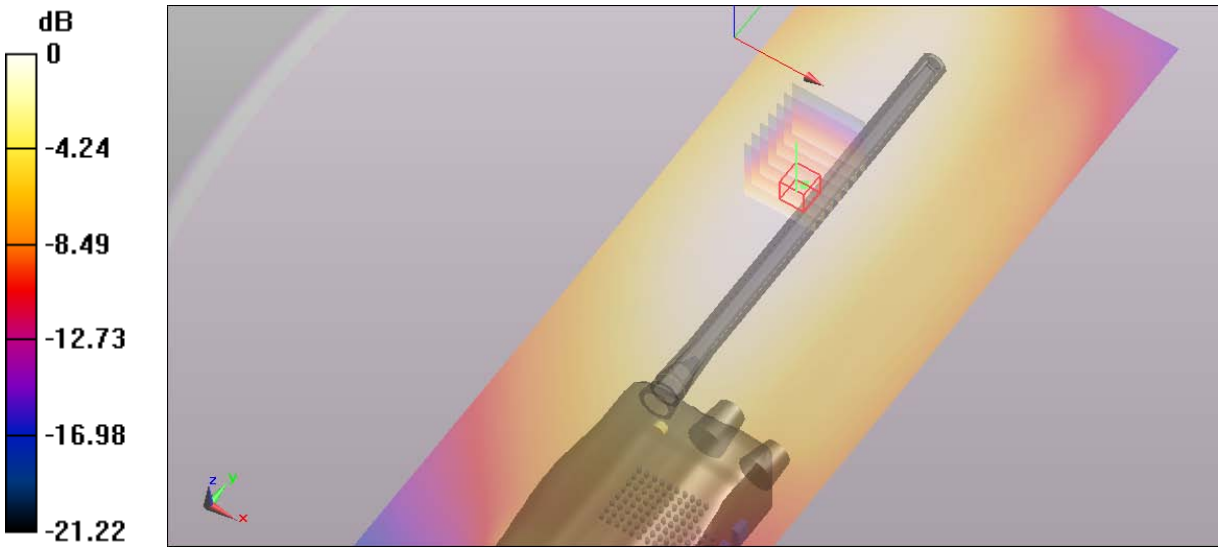
* Communication System: CW; Frequency: 136 MHz; Duty Cycle: 1:1
* Medium parameters used: f = 136 MHz; σ = 0.812 mho/m; ε_r = 62.143; ρ = 1000 kg/m^3
- Electronics: DAE3 Sn442; Probe: ET3DV6 - SN1380; ConvF(8.02, 8.02, 8.02); Calibrated: 12/12/2011
- Phantom: ELI 4.0; Serial: 1101; Phantom section: Flat Section

Configuration/Nylon Case (10mm) Channel 1 Test/Area Scan (81x241x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 2.17 W/kg

Configuration/Nylon Case (10mm) Channel 1 Test/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

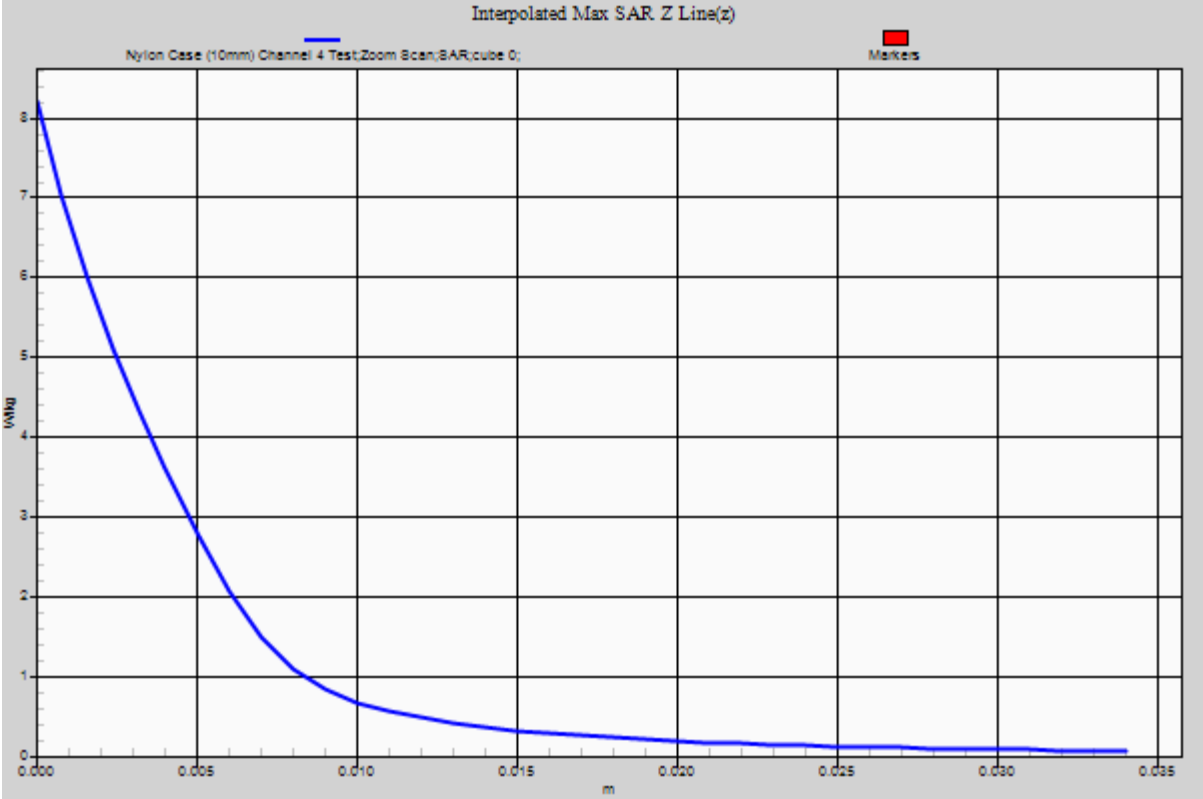
Reference Value = 47.864 V/m; Power Drift = -0.10 dB
Peak SAR (extrapolated) = 3.547 mW/g
SAR(1 g) = 2.09 mW/g
Maximum value of SAR (measured) = 2.17 W/kg



0 dB = 2.17 W/kg = 6.73 dB W/kg

SAR MEASUREMENT PLOT 6

Ambient Temperature	**20.7 Degrees Celsius**
Liquid Temperature	**20.4 Degrees Celsius**
Humidity	**42.0%**



Test Date: 17 October 2012
File Name: M120922 150 MHz Body Worn Antenna 156 MHz 17-10-12.da52:0
DUT: Tait PTT Transceiver; Type: TPDB1A; Serial: 25385967

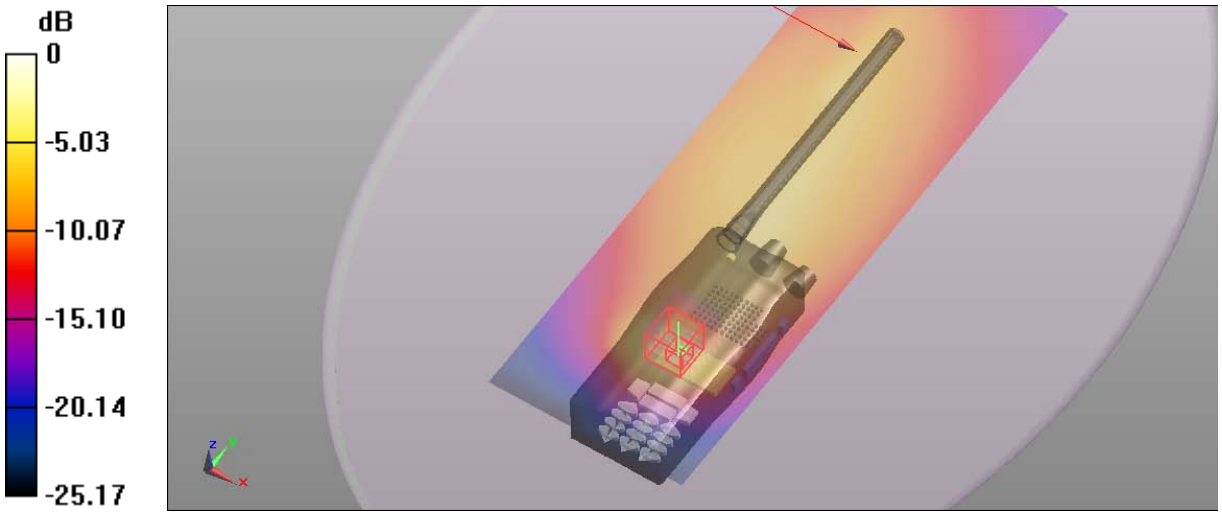
* Communication System: CW; Frequency: 150 MHz; Duty Cycle: 1:1
* Medium parameters used: f = 150 MHz; σ = 0.816 mho/m; ε_r = 62; ρ = 1000 kg/m^3
- Electronics: DAE3 Sn442; Probe: ET3DV6 - SN1380; ConvF(8.02, 8.02, 8.02); Calibrated: 12/12/2011
- Phantom: ELI 4.0; Serial: 1101; Phantom section: Flat Section

Configuration/Nylon Case (10mm) Channel 4 Test/Area Scan (81x241x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 3.58 W/kg

Configuration/Nylon Case (10mm) Channel 4 Test/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

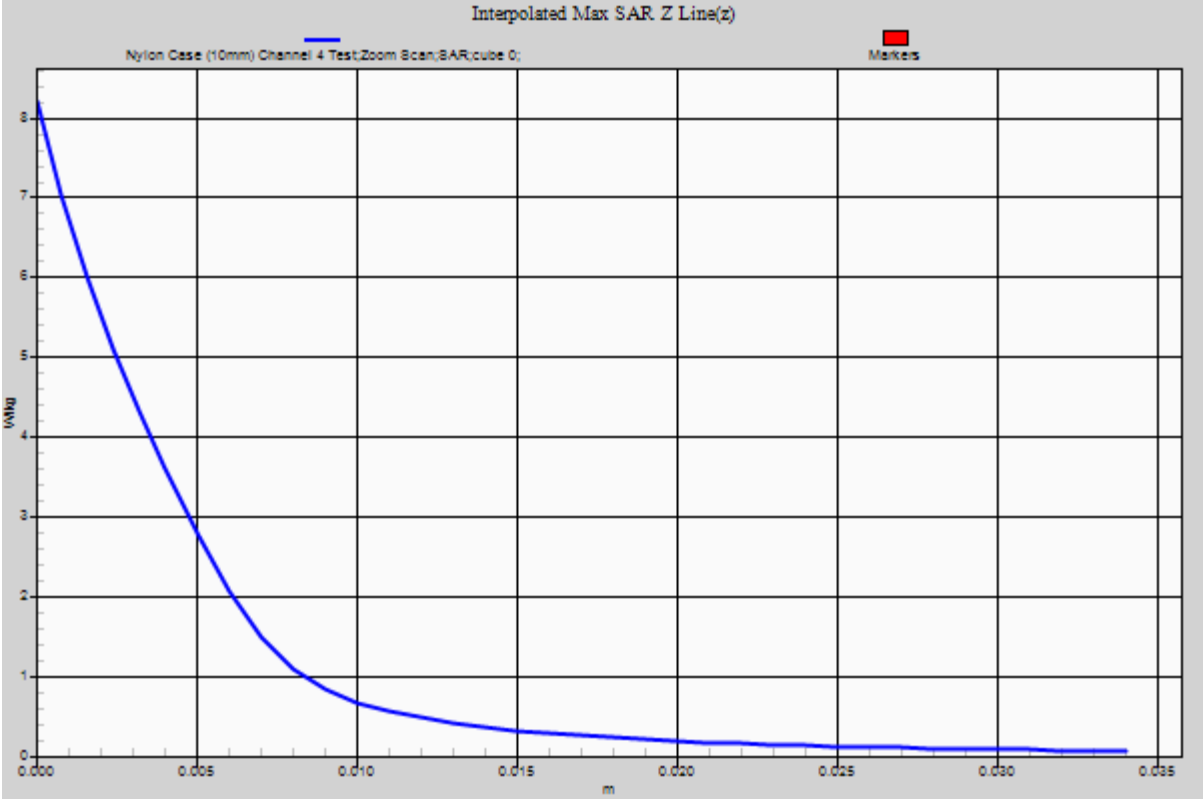
Reference Value = 31.422 V/m; Power Drift = -0.09 dB
Peak SAR (extrapolated) = 8.220 mW/g
SAR(1 g) = 2.57 mW/g; SAR(10 g) = 0.890 mW/g
Maximum value of SAR (measured) = 3.63 W/kg



0 dB = 3.58 W/kg = 11.08 dB W/kg

SAR MEASUREMENT PLOT 7

Ambient Temperature	**20.8 Degrees Celsius**
Liquid Temperature	**20.3 Degrees Celsius**
Humidity	**41.0%**



Test Date: 17 October 2012
File Name: M120922 150 MHz Body Worn Antenna 168 MHz 17-10-12.da52:0
DUT: Tait PTT Transceiver; Type: TPDB1A; Serial: 25385967

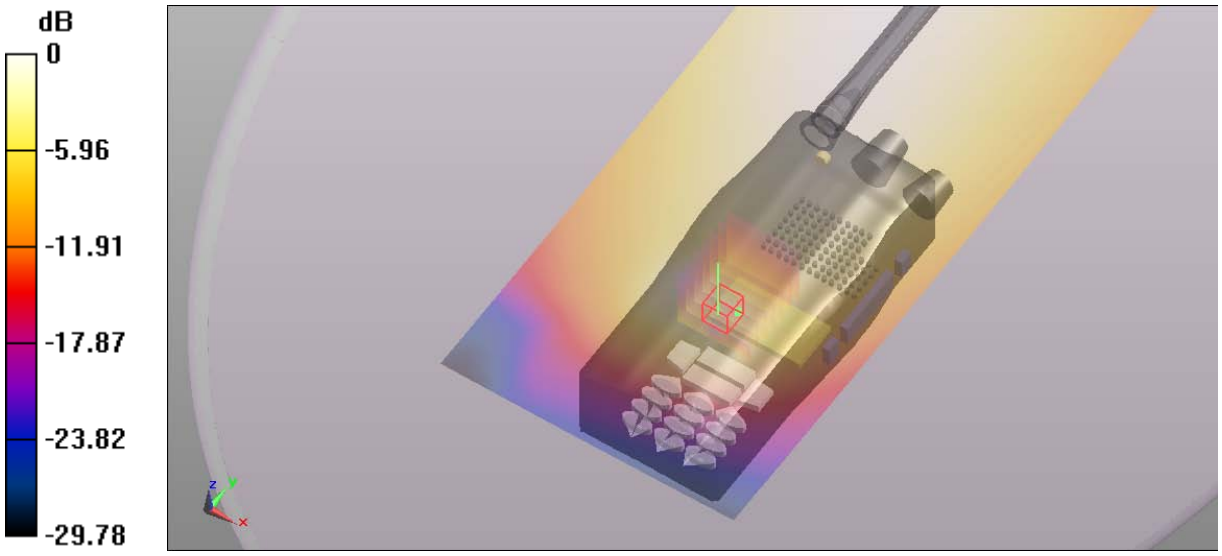
* Communication System: CW; Frequency: 162 MHz; Duty Cycle: 1:1
* Medium parameters used: f = 162 MHz; σ = 0.824 mho/m; ε_r = 61.671; ρ = 1000 kg/m^3
- Electronics: DAE3 Sn442; Probe: ET3DV6 - SN1380; ConvF(8.02, 8.02, 8.02); Calibrated: 12/12/2011
- Phantom: ELI 4.0; Serial: 1101; Phantom section: Flat Section

Configuration/Nylon Case (10mm) Channel 8 Test/Area Scan (81x241x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 2.00 W/kg

Configuration/Nylon Case (10mm) Channel 8 Test/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

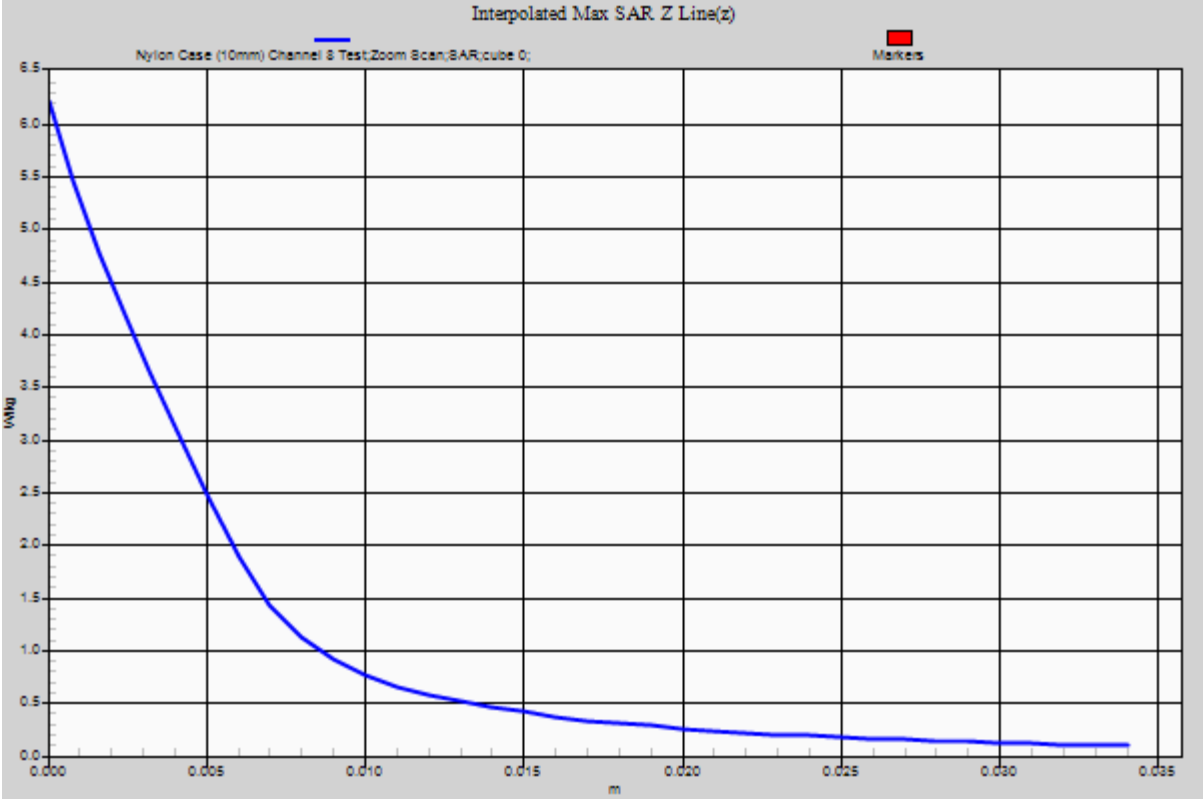
Reference Value = 52.245 V/m; Power Drift = 0.04 dB
Peak SAR (extrapolated) = 6.223 mW/g
SAR(1 g) = 2.13 mW/g
Maximum value of SAR (measured) = 3.16 W/kg



0 dB = 2.00 W/kg = 6.02 dB W/kg

SAR MEASUREMENT PLOT 8

Ambient Temperature	**20.8 Degrees Celsius**
Liquid Temperature	**20.3 Degrees Celsius**
Humidity	**41.0%**



Test Date: 15 October 2012
File Name: M120922 150 MHz Body Worn Antenna Wideband 15-10-12.da52:0
DUT: Tait PTT Transceiver; Type: TPDB1A; Serial: 25385967

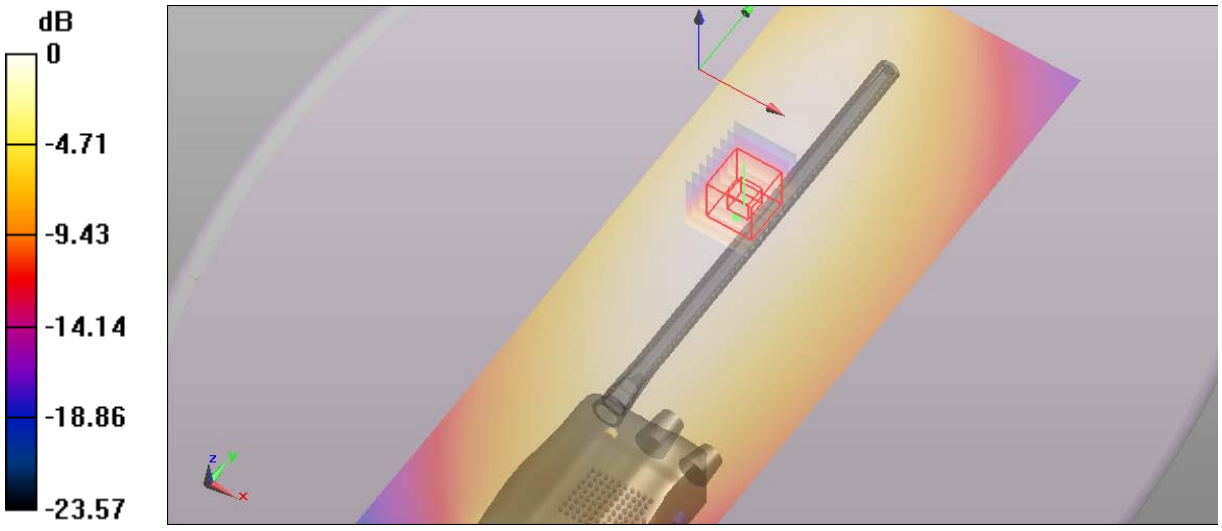
* Communication System: CW; Frequency: 164.5 MHz; Duty Cycle: 1:1
* Medium parameters used: f = 164 MHz; σ = 0.825 mho/m; ε_r = 61.536; ρ = 1000 kg/m^3
- Electronics: DAE3 Sn442; Probe: ET3DV6 - SN1380; ConvF(8.02, 8.02, 8.02); Calibrated: 12/12/2011
- Phantom: ELI 4.0; Serial: 1101; Phantom section: Flat Section

Configuration/Nylon Case (10mm) Channel 9 Test/Area Scan (81x241x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 2.01 W/kg

Configuration/Nylon Case (10mm) Channel 9 Test/Zoom Scan (7x8x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

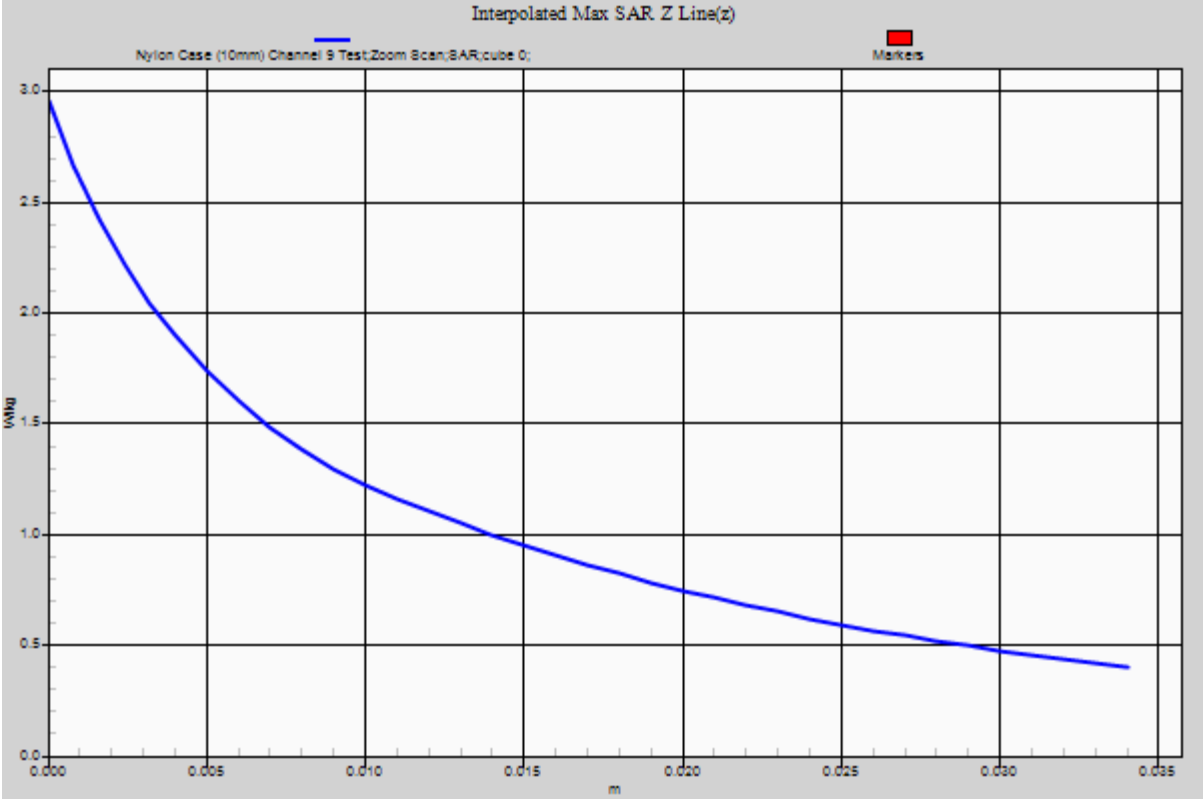
Reference Value = 44.666 V/m; Power Drift = -0.15 dB
Peak SAR (extrapolated) = 2.959 mW/g
SAR(1 g) = 1.83 mW/g; SAR(10 g) = 1.32 mW/g
Maximum value of SAR (measured) = 1.90 W/kg



0 dB = 2.01 W/kg = 6.06 dB W/kg

SAR MEASUREMENT PLOT 9

Ambient Temperature	**20.9 Degrees Celsius**
Liquid Temperature	**20.5 Degrees Celsius**
Humidity	**40.0%**



Test Date: 18 December 2012
File Name: M120922 150 MHz Body Worn Antenna 156 MHz High Capacity Battery 18-12-12.da52:0
DUT: Tait PTT Transceiver; Type: TPDB1A; Serial: 25385967

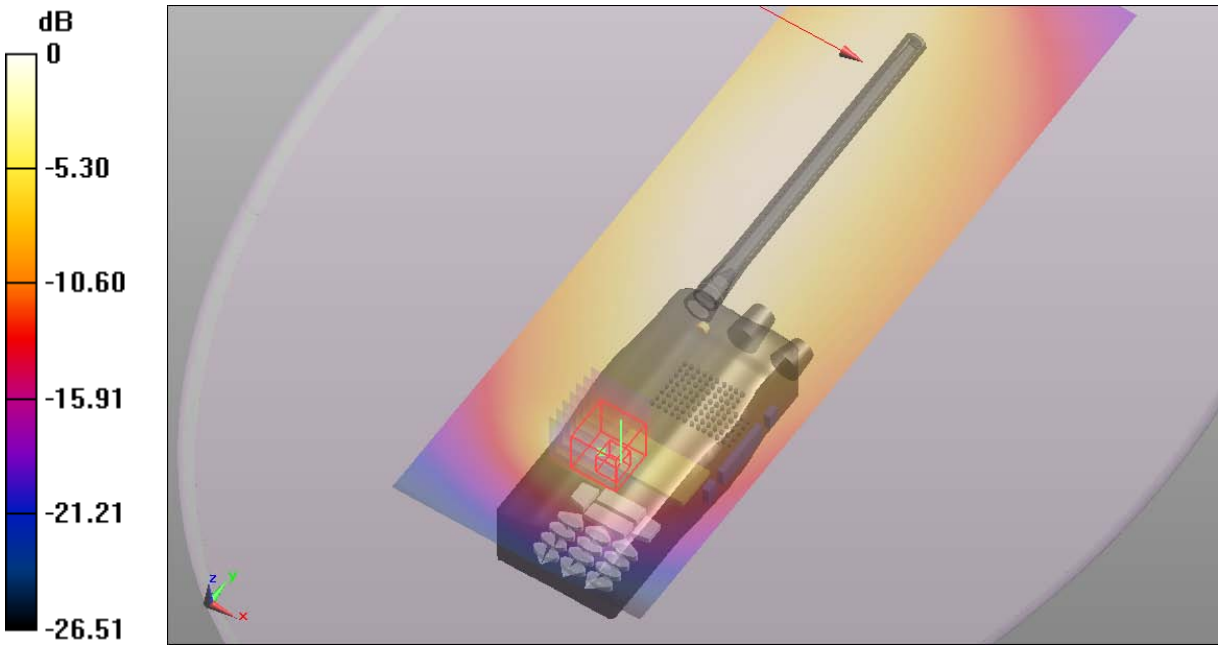
* Communication System: CW; Frequency: 150 MHz; Duty Cycle: 1:1
* Medium parameters used: f = 150 MHz; σ = 0.776 mho/m; ε_r = 62.305; ρ = 1000 kg/m^3
- Electronics: DAE3 Sn442; Probe: ET3DV6 - SN1380; ConvF(8.06, 8.06, 8.06); Calibrated: 10/12/2012
- Phantom: ELI 4.0; Serial: 1101; Phantom section: Flat Section

Configuration/Nylon Case (10mm) Channel 4 Test/Area Scan (81x241x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 3.97 W/kg

Configuration/Nylon Case (10mm) Channel 4 Test/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

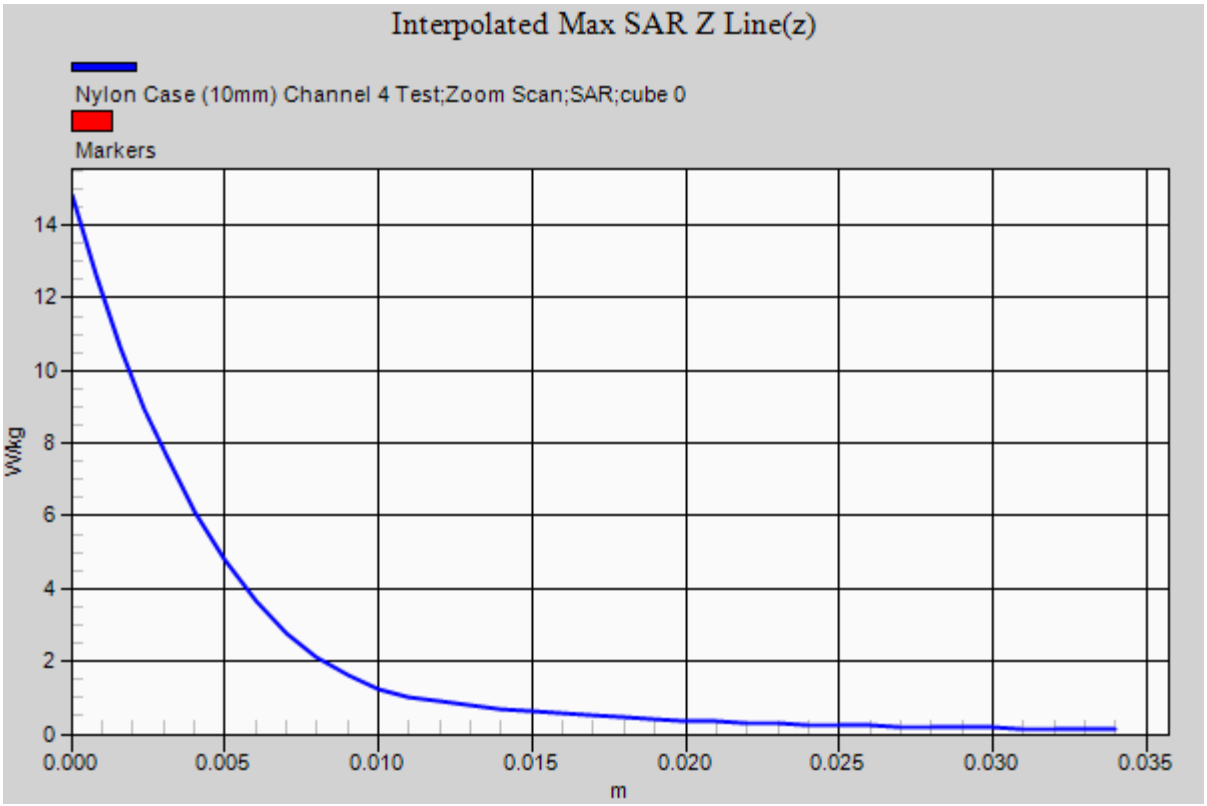
Reference Value = 62.586 V/m; Power Drift = 0.12 dB
Peak SAR (extrapolated) = 14.833 mW/g
SAR(1 g) = 4.86 mW/g; SAR(10 g) = 1.69 mW/g
Maximum value of SAR (measured) = 5.81 W/kg



0 dB = 3.97 W/kg = 11.98 dB W/kg

SAR MEASUREMENT PLOT 10

Ambient Temperature	**19.7 Degrees Celsius**
Liquid Temperature	**19.6 Degrees Celsius**
Humidity	**50.0 %**



Test Date: 17 October 2012
File Name: M120922 150 MHz Body Worn Antenna High Capacity Battery 168 MHz 17-10-12.da52:0
DUT: Tait PTT Transceiver; Type: TPDB1A; Serial: 25385967

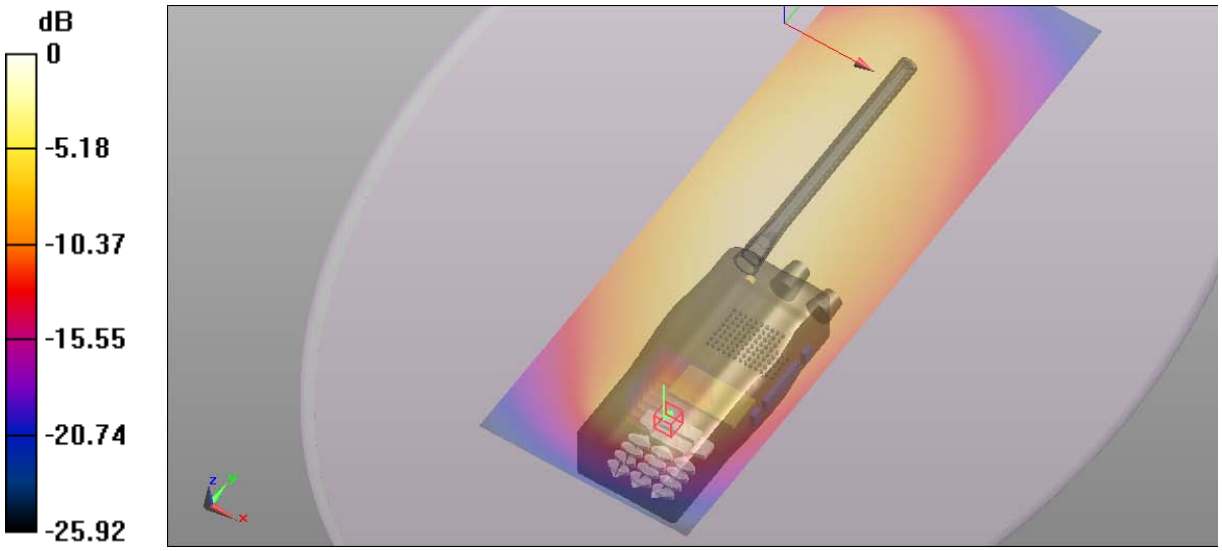
* Communication System: CW; Frequency: 162 MHz; Duty Cycle: 1:1
* Medium parameters used: f = 162 MHz; σ = 0.824 mho/m; ε_r = 61.671; ρ = 1000 kg/m^3
- Electronics: DAE3 Sn442; Probe: ET3DV6 - SN1380; ConvF(8.02, 8.02, 8.02); Calibrated: 12/12/2011
- Phantom: ELI 4.0; Serial: 1101; Phantom section: Flat Section

Configuration/Nylon Case (10mm) Channel 8 Test/Area Scan (81x241x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 4.04 W/kg

Configuration/Nylon Case (10mm) Channel 8 Test/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

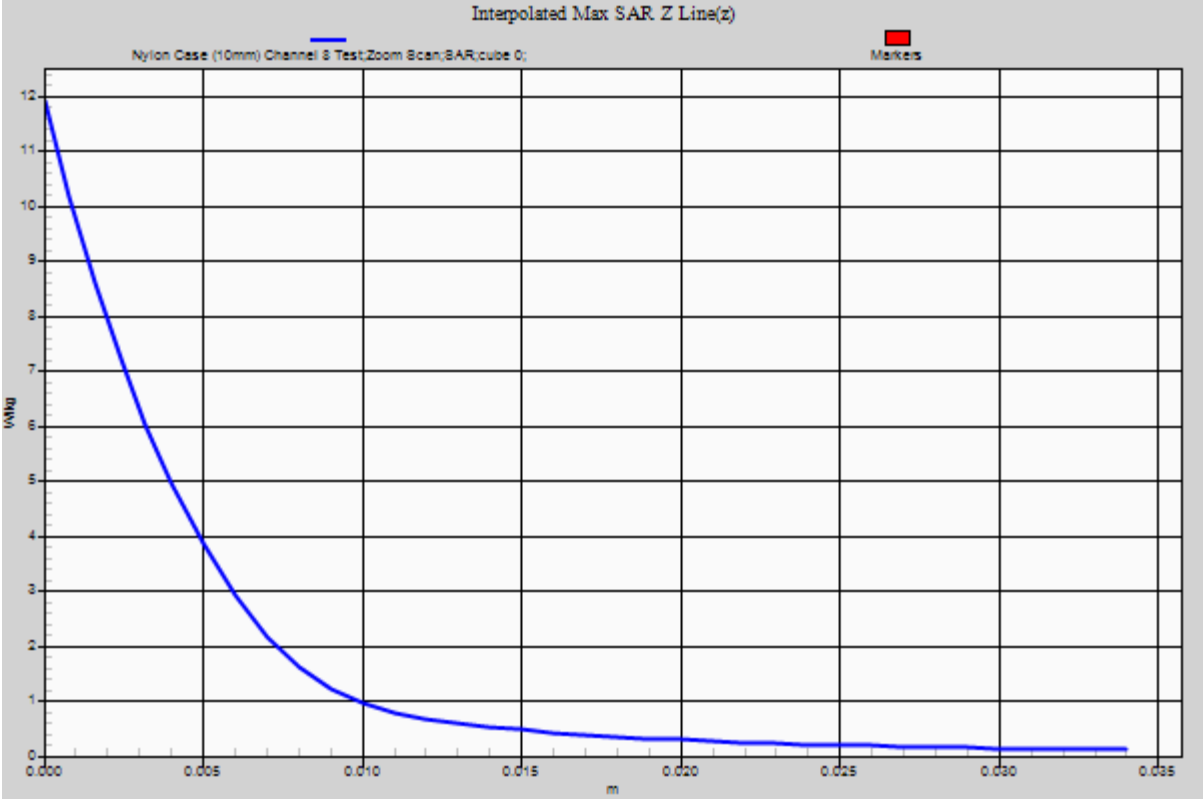
Reference Value = 47.224 V/m; Power Drift = -0.06 dB
Peak SAR (extrapolated) = 11.926 mW/g
SAR(1 g) = 3.77 mW/g
Maximum value of SAR (measured) = 4.89 W/kg



0 dB = 4.04 W/kg = 12.13 dB W/kg

SAR MEASUREMENT PLOT 11

Ambient Temperature	**20.8 Degrees Celsius**
Liquid Temperature	**20.3 Degrees Celsius**
Humidity	**41.0%**



Test Date: 19 December 2012
File Name: M120922 150 MHz Body Worn Antenna Wideband High Capacity Battery 19-12-12.da52:0
DUT: Tait PTT Transceiver; Type: TPDB1A; Serial: 25385967

* Communication System: CW; Frequency: 164.5 MHz; Duty Cycle: 1:1
* Medium parameters used: f = 164 MHz; σ = 0.796 mho/m; ε_r = 61.407; ρ = 1000 kg/m^3
- Electronics: DAE3 Sn442; Probe: ET3DV6 - SN1380; ConvF(8.06, 8.06, 8.06); Calibrated: 10/12/2012
- Phantom: ELI 4.0; Serial: 1101; Phantom section: Flat Section

Configuration/Nylon Case (10mm) Channel 9 Test/Area Scan (81x241x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

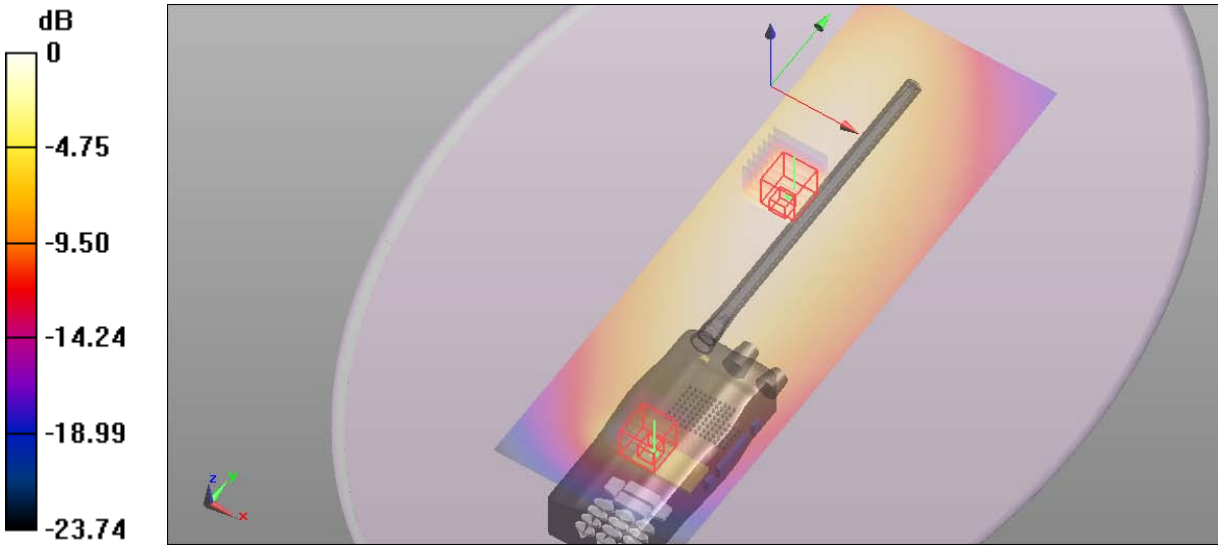
Maximum value of SAR (interpolated) = 2.59 W/kg

Configuration/Nylon Case (10mm) Channel 9 Test/Zoom Scan (8x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 43.955 V/m; Power Drift = -0.11 dB
Peak SAR (extrapolated) = 7.415 mW/g
SAR(1 g) = 2.36 mW/g; SAR(10 g) = 0.822 mW/g
Maximum value of SAR (measured) = 3.03 W/kg

Configuration/Nylon Case (10mm) Channel 9 Test/Zoom Scan 2 (8x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

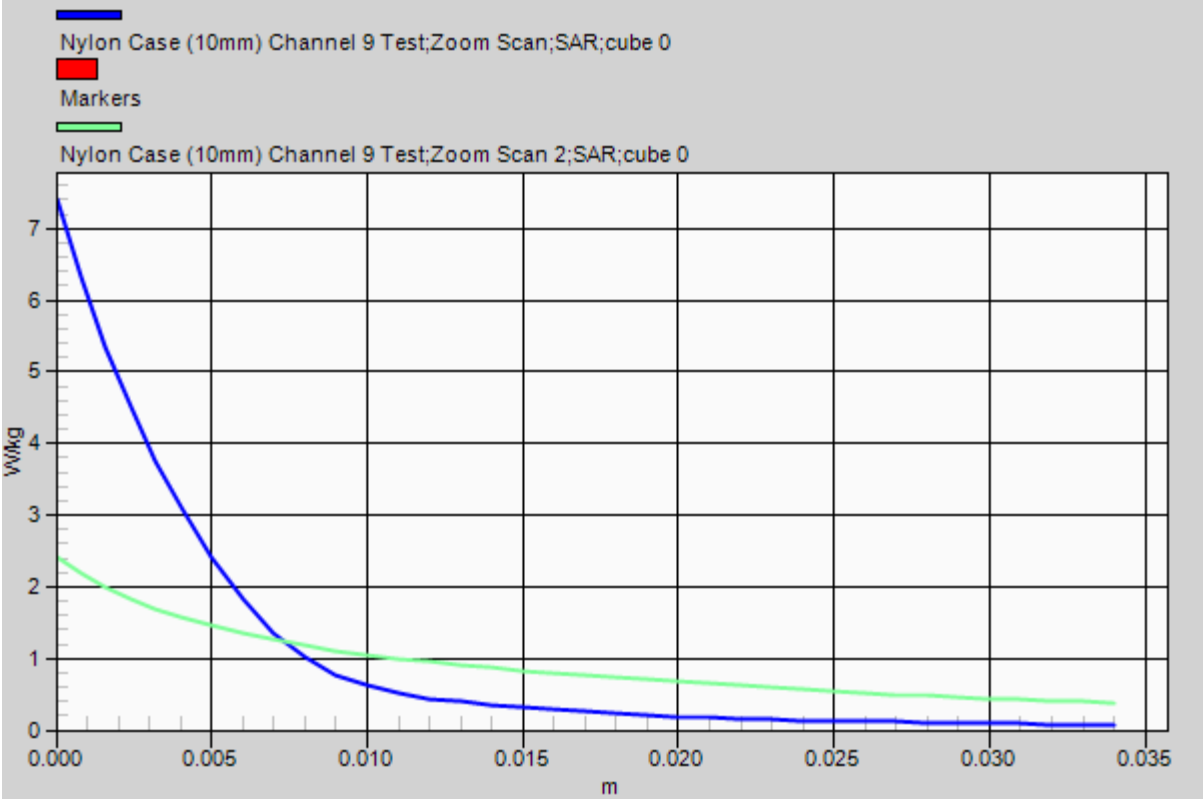
Reference Value = 43.955 V/m; Power Drift = -0.11 dB
Peak SAR (extrapolated) = 2.406 mW/g
SAR(1 g) = 1.53 mW/g; SAR(10 g) = 1.13 mW/g
Maximum value of SAR (measured) = 1.59 W/kg



0 dB = 2.59 W/kg = 8.27 dB W/kg

SAR MEASUREMENT PLOT 12

Ambient Temperature	**20.5 Degrees Celsius**
Liquid Temperature	**20.1 Degrees Celsius**
Humidity	**50.0 %**



Test Date: 16 October 2012
File Name: M120922 150 MHz Body Worn Antenna 143.5 MHz 16-10-12.da52:0
DUT: Tait PTT Transceiver; Type: TPDB1A; Serial: 25385967

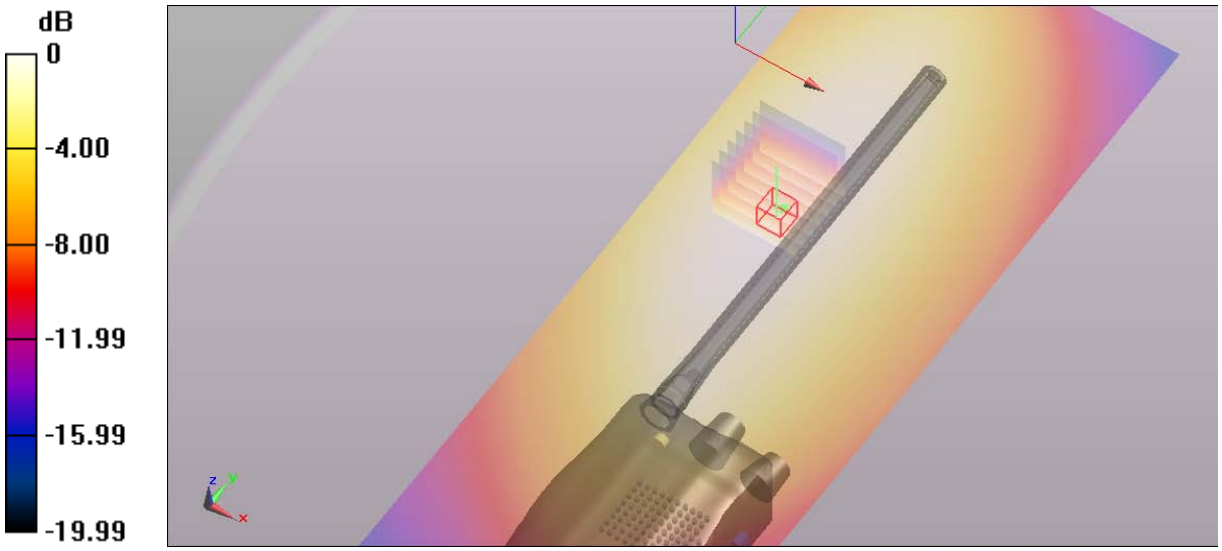
* Communication System: CW; Frequency: 136 MHz; Duty Cycle: 1:1
* Medium parameters used: f = 136 MHz; σ = 0.812 mho/m; ε_r = 62.143; ρ = 1000 kg/m^3
- Electronics: DAE3 Sn442; Probe: ET3DV6 - SN1380; ConvF(8.02, 8.02, 8.02); Calibrated: 12/12/2011
- Phantom: ELI 4.0; Serial: 1101; Phantom section: Flat Section

Configuration/Battery Clip (14mm) Channel 1 Test/Area Scan (81x241x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 2.55 W/kg

Configuration/Battery Clip (14mm) Channel 1 Test/Zoom Scan (8x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

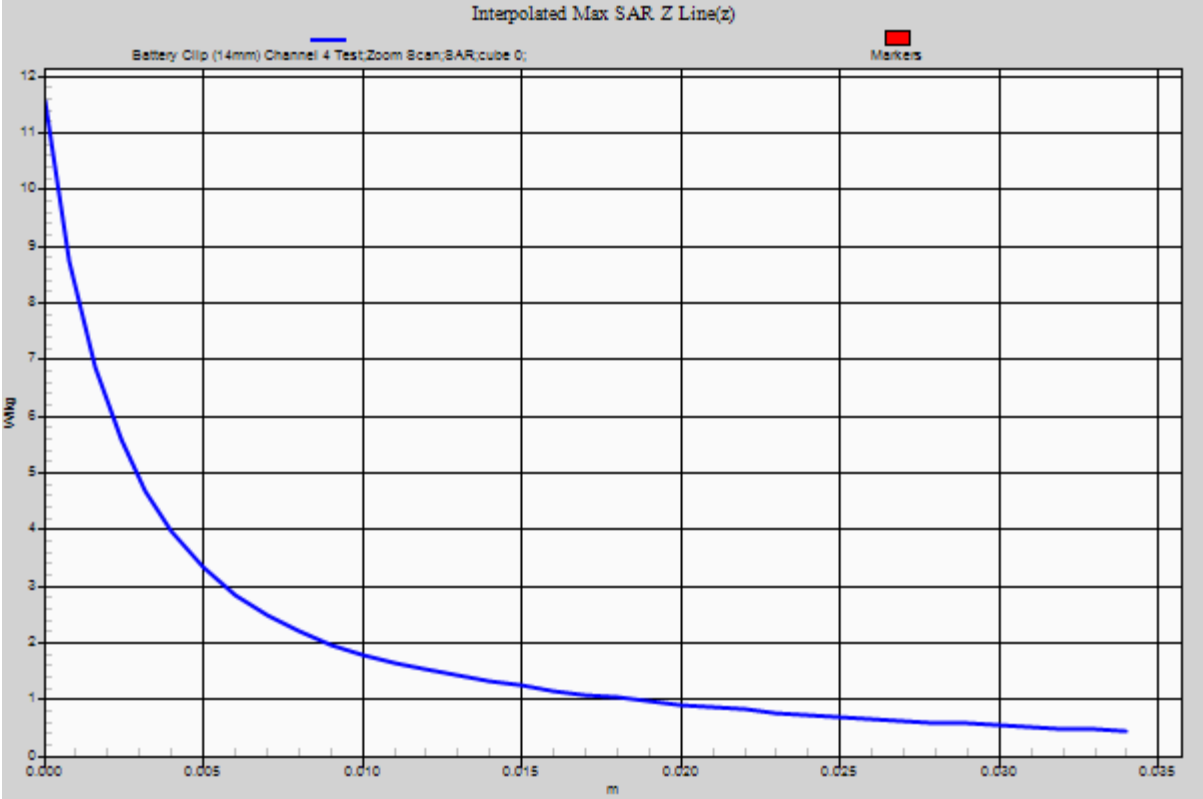
Reference Value = 54.632 V/m; Power Drift = -0.14 dB
Peak SAR (extrapolated) = 3.961 mW/g
SAR(1 g) = 2.47 mW/g
Maximum value of SAR (measured) = 2.56 W/kg



0 dB = 2.55 W/kg = 8.13 dB W/kg

SAR MEASUREMENT PLOT 13

Ambient Temperature	**20.7 Degrees Celsius**
Liquid Temperature	**20.4 Degrees Celsius**
Humidity	**42.0%**



Test Date: 17 October 2012
File Name: M120922 150 MHz Body Worn Antenna 156 MHz 17-10-12.da52:0
DUT: Tait PTT Transceiver; Type: TPDB1A; Serial: 25385967

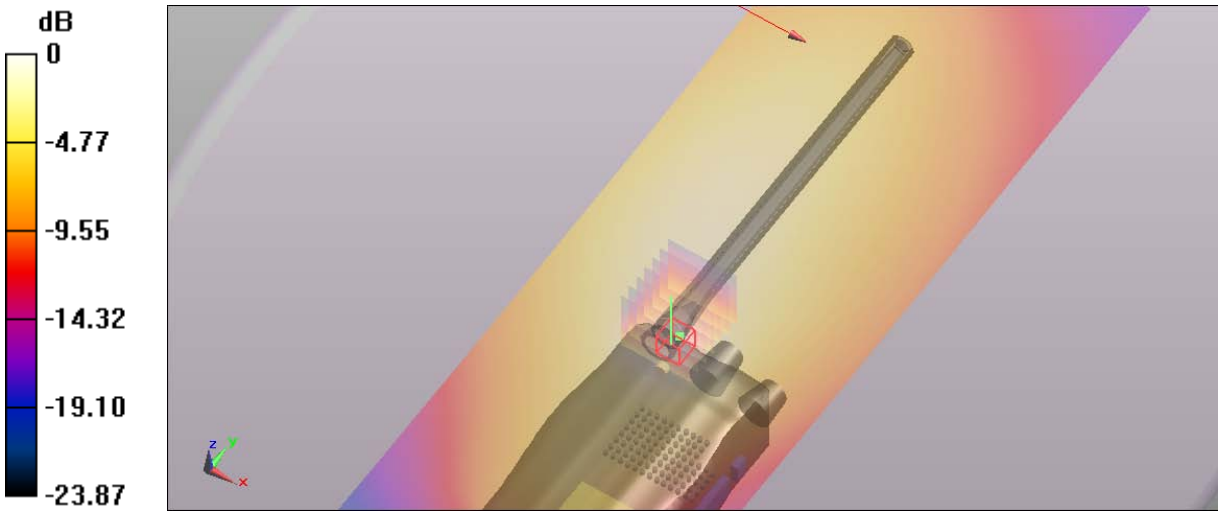
* Communication System: CW; Frequency: 150 MHz; Duty Cycle: 1:1
* Medium parameters used: f = 150 MHz; σ = 0.816 mho/m; ε_r = 62; ρ = 1000 kg/m^3
- Electronics: DAE3 Sn442; Probe: ET3DV6 - SN1380; ConvF(8.02, 8.02, 8.02); Calibrated: 12/12/2011
- Phantom: ELI 4.0; Serial: 1101; Phantom section: Flat Section

Configuration/Battery Clip (14mm) Channel 4 Test/Area Scan (81x241x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 3.67 W/kg

Configuration/Battery Clip (14mm) Channel 4 Test/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

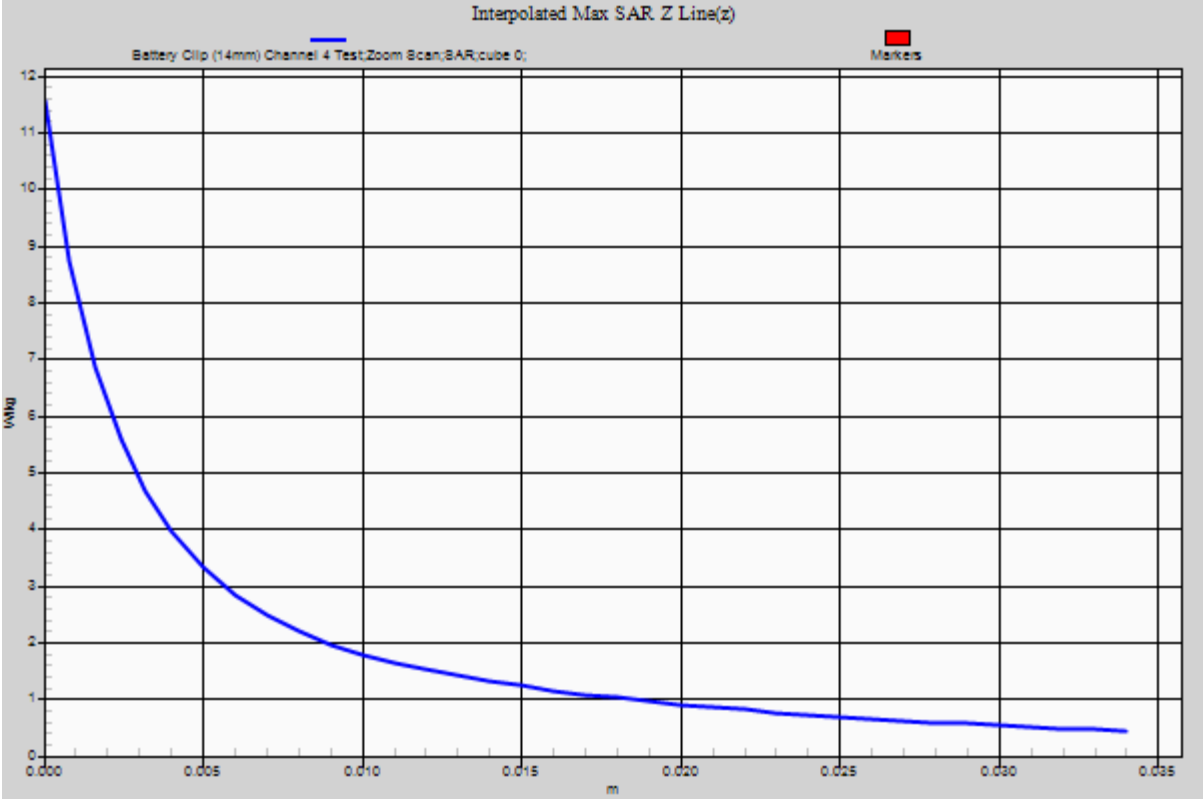
Reference Value = 50.159 V/m; Power Drift = -0.07 dB
Peak SAR (extrapolated) = 11.571 mW/g
SAR(1 g) = 4 mW/g
Maximum value of SAR (measured) = 3.98 W/kg



0 dB = 3.67 W/kg = 11.29 dB W/kg

SAR MEASUREMENT PLOT 14

Ambient Temperature	**20.8 Degrees Celsius**
Liquid Temperature	**20.3 Degrees Celsius**
Humidity	**41.0%**



Test Date: 17 October 2012
File Name: M120922 150 MHz Body Worn Antenna 168 MHz 17-10-12.da52:0
DUT: Tait PTT Transceiver; Type: TPDB1A; Serial: 25385967

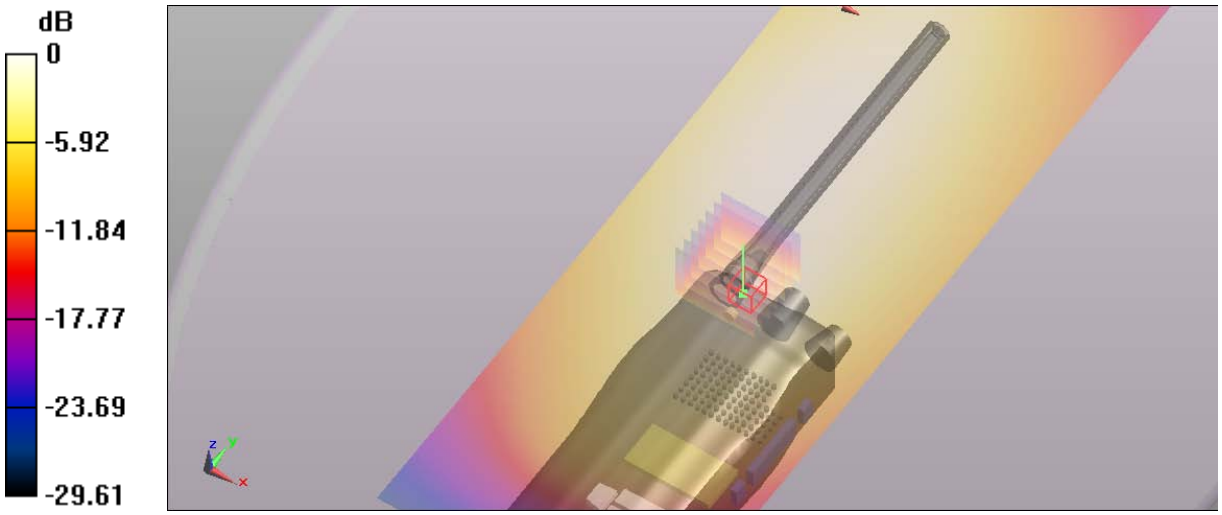
* Communication System: CW; Frequency: 162 MHz; Duty Cycle: 1:1
* Medium parameters used: f = 162 MHz; σ = 0.824 mho/m; ε_r = 61.671; ρ = 1000 kg/m^3
- Electronics: DAE3 Sn442; Probe: ET3DV6 - SN1380; ConvF(8.02, 8.02, 8.02); Calibrated: 12/12/2011
- Phantom: ELI 4.0; Serial: 1101; Phantom section: Flat Section

Configuration/Battery Clip (14mm) Channel 8 Test/Area Scan (81x241x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 7.15 W/kg

Configuration/Battery Clip (14mm) Channel 8 Test/Zoom Scan (8x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

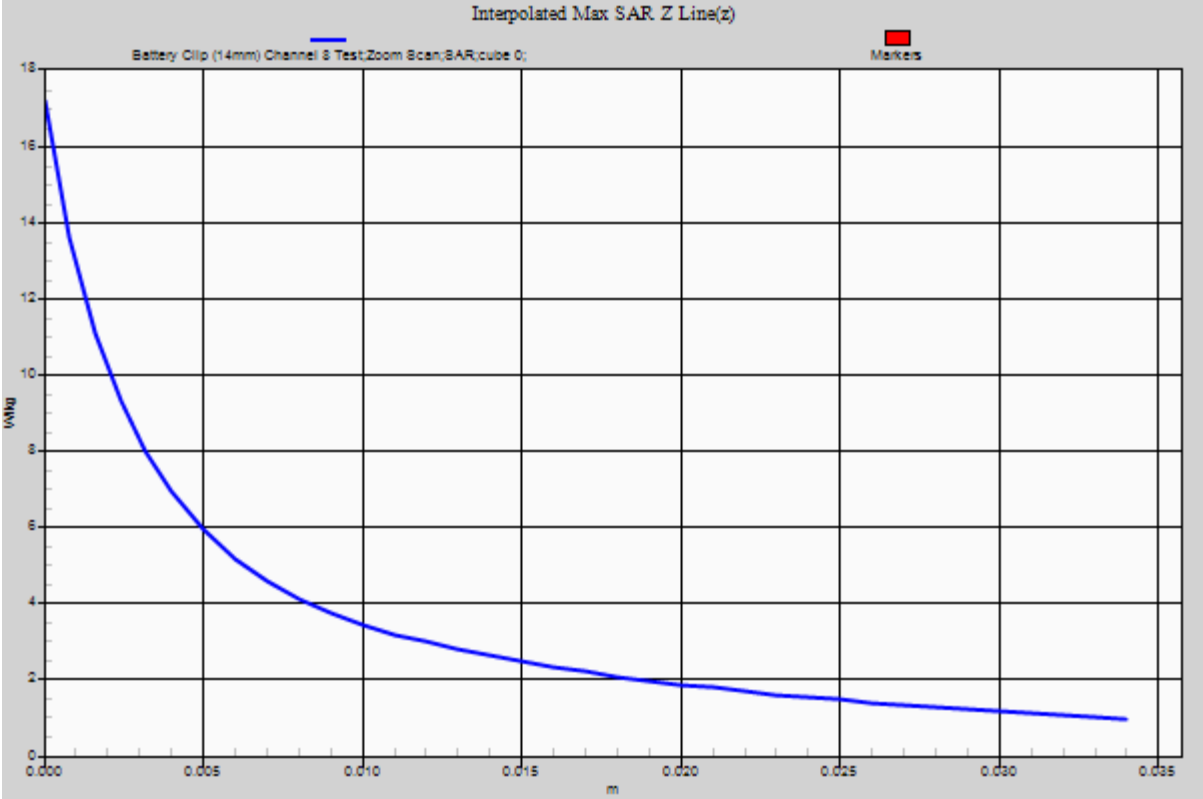
Reference Value = 78.644 V/m; Power Drift = -0.13 dB
Peak SAR (extrapolated) = 17.218 mW/g
SAR(1 g) = 6.88 mW/g
Maximum value of SAR (measured) = 7.00 W/kg



0 dB = 7.15 W/kg = 17.09 dB W/kg

SAR MEASUREMENT PLOT 15

Ambient Temperature	**20.8 Degrees Celsius**
Liquid Temperature	**20.3 Degrees Celsius**
Humidity	**41.0%**



Test Date: 15 October 2012
File Name: M120922 150 MHz Body Worn Antenna Wideband 15-10-12.da52:0
DUT: Tait PTT Transceiver; Type: TPDB1A; Serial: 25385967

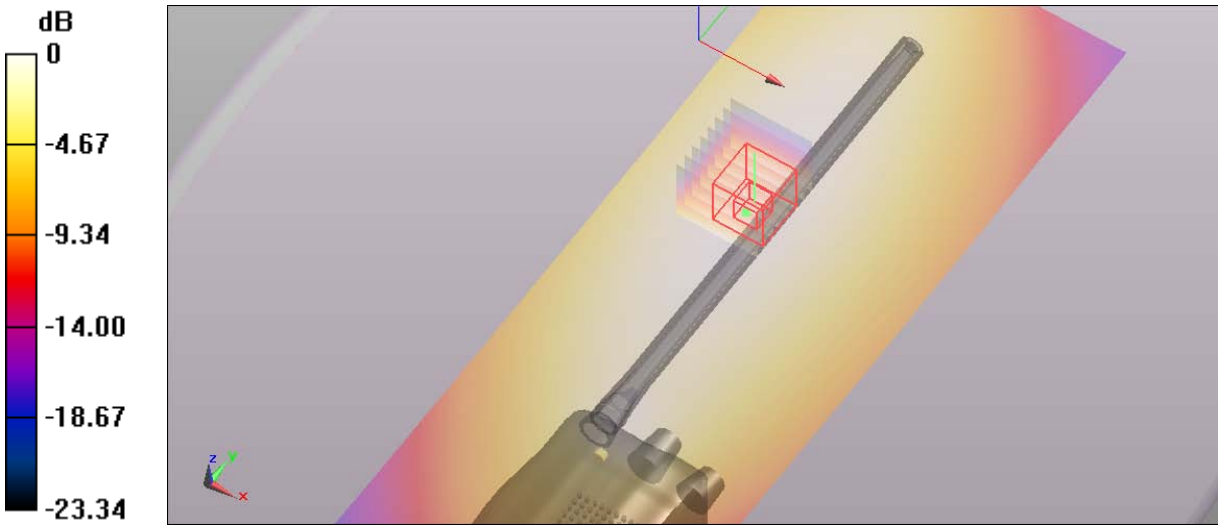
* Communication System: CW; Frequency: 164.5 MHz; Duty Cycle: 1:1
* Medium parameters used: f = 164 MHz; σ = 0.825 mho/m; ε_r = 61.536; ρ = 1000 kg/m^3
- Electronics: DAE3 Sn442; Probe: ET3DV6 - SN1380; ConvF(8.02, 8.02, 8.02); Calibrated: 12/12/2011
- Phantom: ELI 4.0; Serial: 1101; Phantom section: Flat Section

Configuration/Battery Clip (14mm) Channel 9 Test/Area Scan (81x241x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 2.07 W/kg

Configuration/Battery Clip (14mm) Channel 9 Test/Zoom Scan (8x8x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

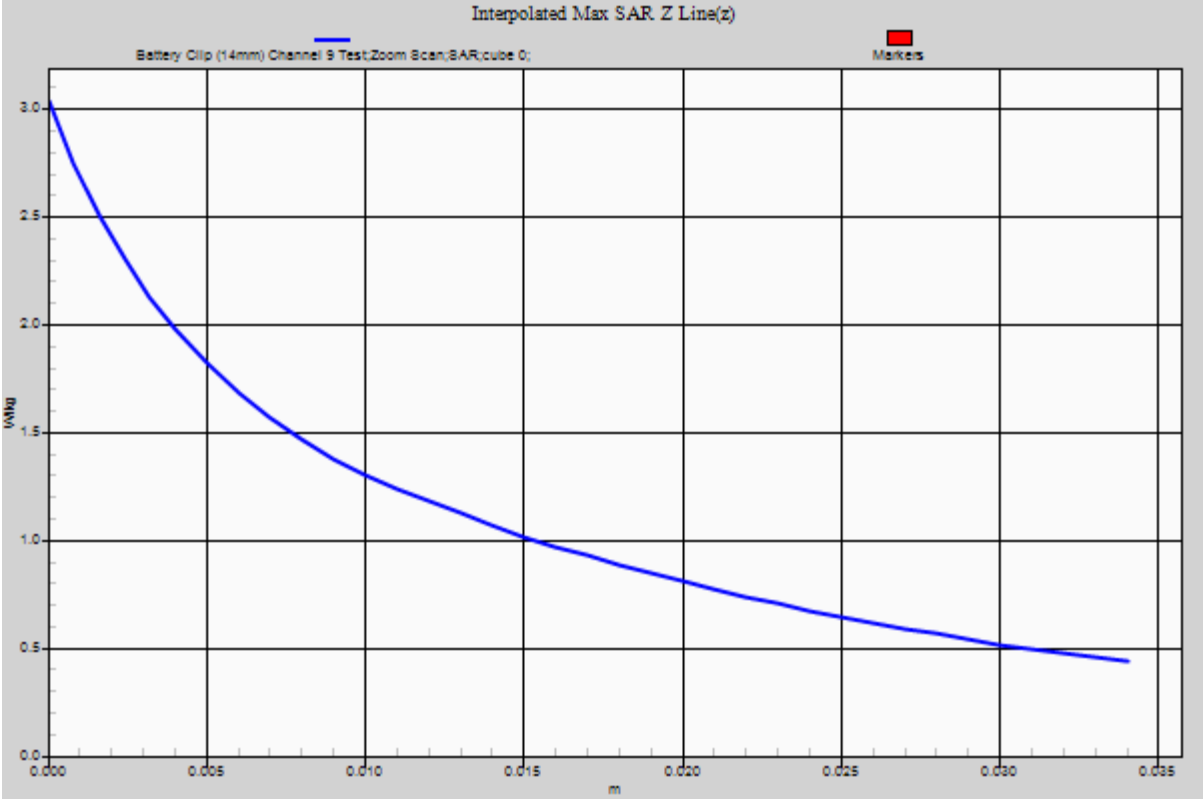
Reference Value = 45.681 V/m; Power Drift = -0.21 dB
Peak SAR (extrapolated) = 3.040 mW/g
SAR(1 g) = 1.92 mW/g; SAR(10 g) = 1.39 mW/g
Maximum value of SAR (measured) = 1.99 W/kg



0 dB = 2.07 W/kg = 6.32 dB W/kg

SAR MEASUREMENT PLOT 16

Ambient Temperature	**20.9 Degrees Celsius**
Liquid Temperature	**20.5 Degrees Celsius**
Humidity	**40.0%**



Test Date: 19 December 2012
File Name: M120922 150 MHz Body Worn Antenna 168 MHz High Capacity Battery 19-12-12.da52:0
DUT: Tait PTT Transceiver; Type: TPDB1A; Serial: 25385967

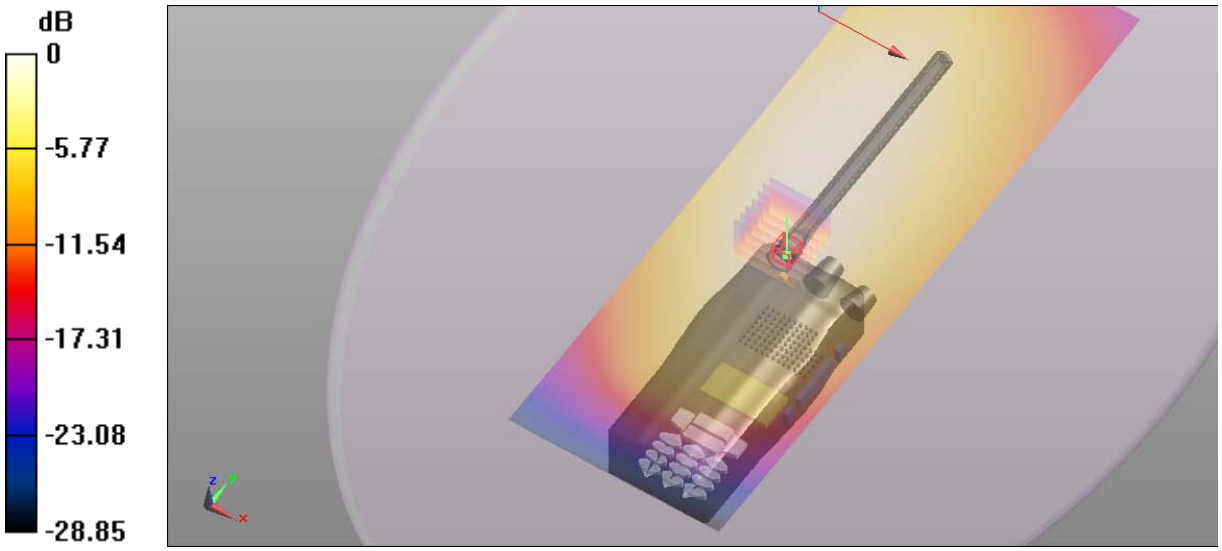
* Communication System: CW; Frequency: 162 MHz; Duty Cycle: 1:1
* Medium parameters used: f = 162 MHz; σ = 0.794 mho/m; ε_r = 61.484; ρ = 1000 kg/m^3
- Electronics: DAE3 Sn442; Probe: ET3DV6 - SN1380; ConvF(8.06, 8.06, 8.06); Calibrated: 10/12/2012
- Phantom: ELI 4.0; Serial: 1101; Phantom section: Flat Section

Configuration/Battery Clip (14mm) Channel 8 Test/Area Scan (81x241x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 6.18 W/kg

Configuration/Battery Clip (14mm) Channel 8 Test/Zoom Scan (8x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

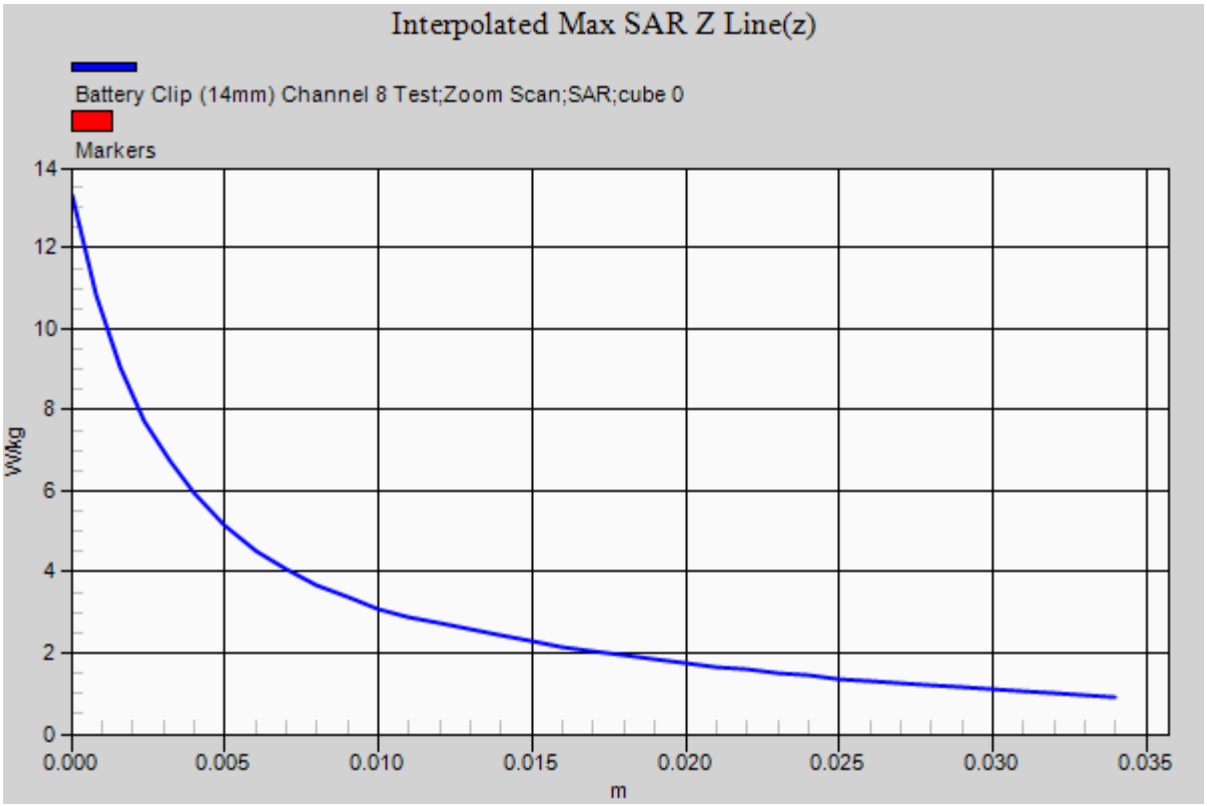
Reference Value = 73.954 V/m; Power Drift = -0.08 dB
Peak SAR (extrapolated) = 13.306 mW/g
SAR(1 g) = 5.85 mW/g
Maximum value of SAR (measured) = 6.00 W/kg



0 dB = 6.18 W/kg = 15.82 dB W/kg

SAR MEASUREMENT PLOT 17

Ambient Temperature	**20.5 Degrees Celsius**
Liquid Temperature	**20.1 Degrees Celsius**
Humidity	**50.0 %**



Test Date: 16 October 2012
File Name: M120922 150 MHz Body Worn Antenna 143.5 MHz 16-10-12.da52:0
DUT: Tait PTT Transceiver; Type: TPDB1A; Serial: 25385967

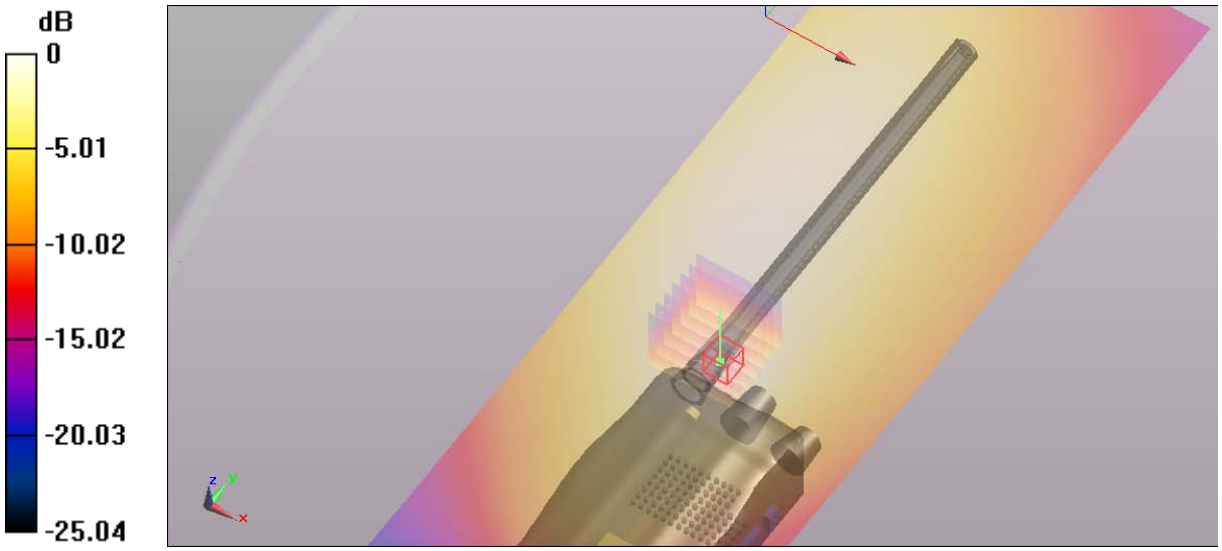
* Communication System: CW; Frequency: 136 MHz; Duty Cycle: 1:1
* Medium parameters used: f = 136 MHz; σ = 0.812 mho/m; ε_r = 62.143; ρ = 1000 kg/m^3
- Electronics: DAE3 Sn442; Probe: ET3DV6 - SN1380; ConvF(8.02, 8.02, 8.02); Calibrated: 12/12/2011
- Phantom: ELI 4.0; Serial: 1101; Phantom section: Flat Section

Configuration/Leather Case Battery Clip (14mm) Channel 1 Test/Area Scan (81x241x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 3.36 W/kg

Configuration/Leather Case Battery Clip (14mm) Channel 1 Test/Zoom Scan (8x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

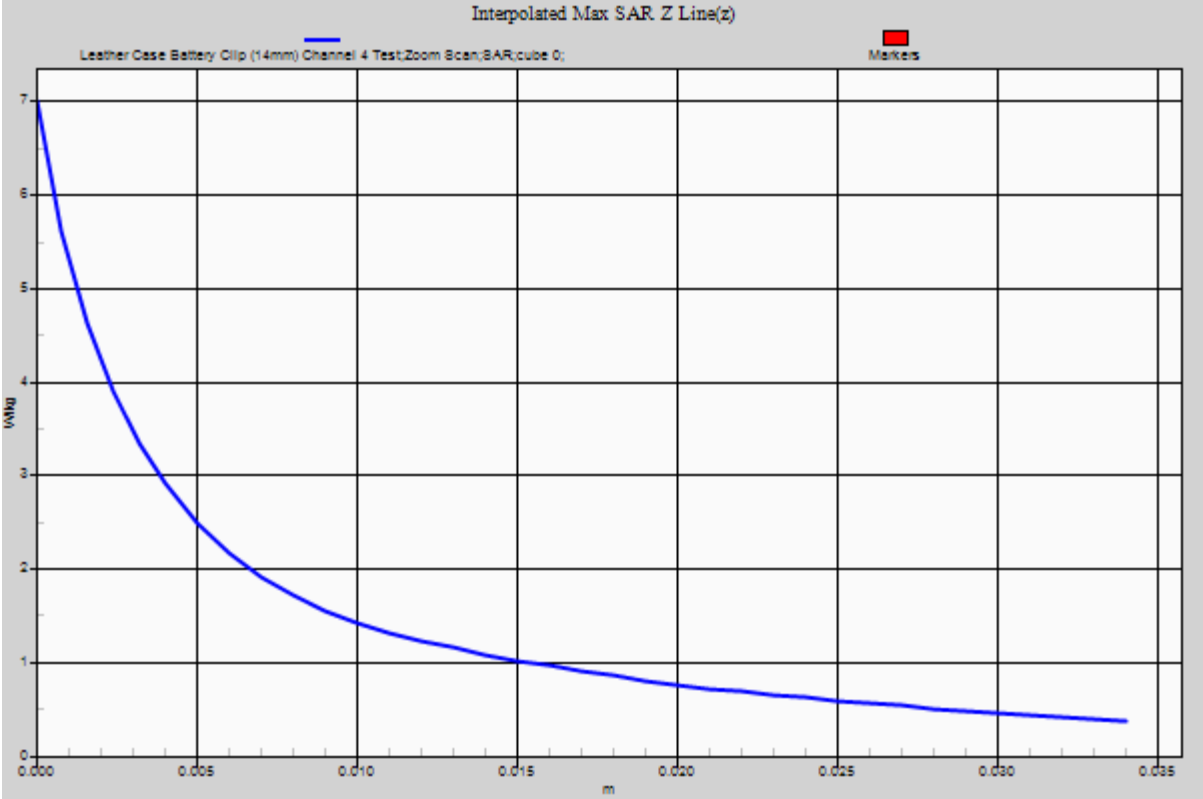
Reference Value = 53.852 V/m; Power Drift = -0.17 dB
Peak SAR (extrapolated) = 7.980 mW/g
SAR(1 g) = 3.25 mW/g
Maximum value of SAR (measured) = 3.36 W/kg



0 dB = 3.36 W/kg = 10.53 dB W/kg

SAR MEASUREMENT PLOT 18

Ambient Temperature	**20.7 Degrees Celsius**
Liquid Temperature	**20.4 Degrees Celsius**
Humidity	**42.0%**



Test Date: 17 October 2012
File Name: M120922 150 MHz Body Worn Antenna 156 MHz 17-10-12.da52:0
DUT: Tait PTT Transceiver; Type: TPDB1A; Serial: 25385967

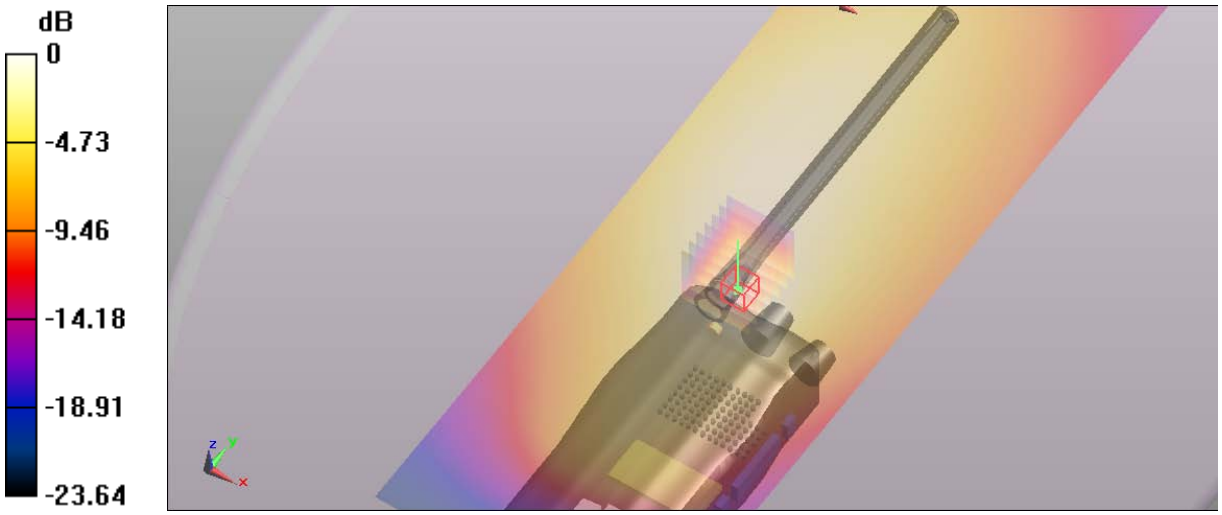
* Communication System: CW; Frequency: 150 MHz; Duty Cycle: 1:1
* Medium parameters used: f = 150 MHz; σ = 0.816 mho/m; ε_r = 62; ρ = 1000 kg/m^3
- Electronics: DAE3 Sn442; Probe: ET3DV6 - SN1380; ConvF(8.02, 8.02, 8.02); Calibrated: 12/12/2011
- Phantom: ELI 4.0; Serial: 1101; Phantom section: Flat Section

Configuration/Leather Case Battery Clip (14mm) Channel 4 Test/Area Scan (81x241x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 2.81 W/kg

Configuration/Leather Case Battery Clip (14mm) Channel 4 Test/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

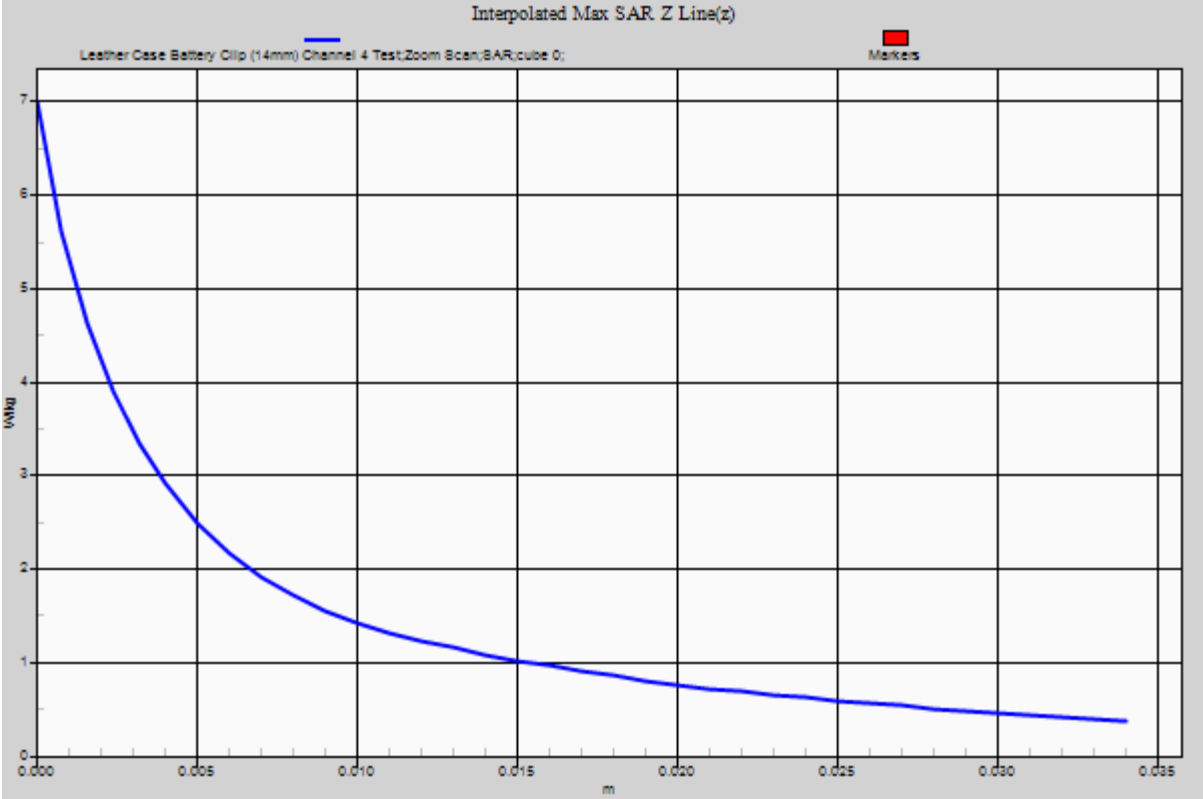
Reference Value = 36.496 V/m; Power Drift = -0.19 dB
Peak SAR (extrapolated) = 7.012 mW/g
SAR(1 g) = 2.86 mW/g
Maximum value of SAR (measured) = 2.96 W/kg



0 dB = 2.81 W/kg = 8.97 dB W/kg

SAR MEASUREMENT PLOT 19

Ambient Temperature	**20.8 Degrees Celsius**
Liquid Temperature	**20.3 Degrees Celsius**
Humidity	**41.0%**



Test Date: 17 October 2012
File Name: M120922 150 MHz Body Worn Antenna 168 MHz 17-10-12.da52:0
DUT: Tait PTT Transceiver; Type: TPDB1A; Serial: 25385967

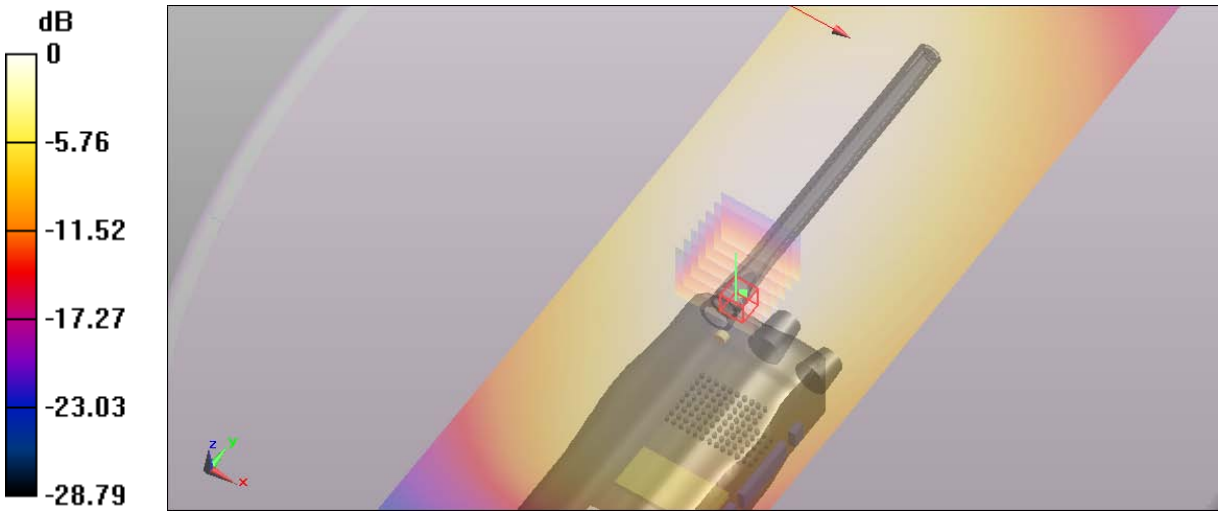
* Communication System: CW; Frequency: 162 MHz; Duty Cycle: 1:1
* Medium parameters used: f = 162 MHz; σ = 0.824 mho/m; ε_r = 61.671; ρ = 1000 kg/m^3
- Electronics: DAE3 Sn442; Probe: ET3DV6 - SN1380; ConvF(8.02, 8.02, 8.02); Calibrated: 12/12/2011
- Phantom: ELI 4.0; Serial: 1101; Phantom section: Flat Section

Configuration/Leather Case Battery Clip (14mm) Channel 8 Test/Area Scan (81x241x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 5.98 W/kg

Configuration/Leather Case Battery Clip (14mm) Channel 8 Test/Zoom Scan (8x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

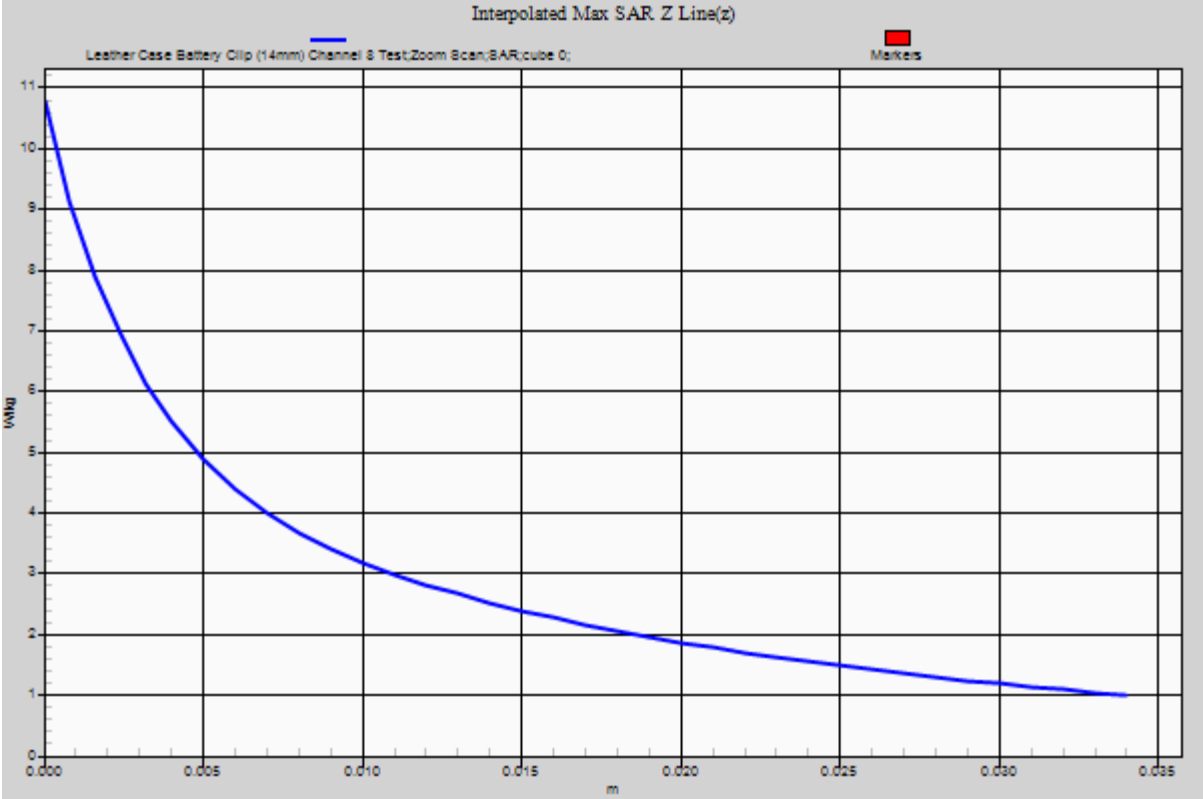
Reference Value = 77.770 V/m; Power Drift = -0.16 dB
Peak SAR (extrapolated) = 10.790 mW/g
SAR(1 g) = 5.47 mW/g
Maximum value of SAR (measured) = 5.63 W/kg



0 dB = 5.98 W/kg = 15.53 dB W/kg

SAR MEASUREMENT PLOT 20

Ambient Temperature	**20.8 Degrees Celsius**
Liquid Temperature	**20.3 Degrees Celsius**
Humidity	**41.0%**


Interpolated Max SAR Z Line(z)
Leather Case Battery Clip (14mm) Channel 8 Test;Zoom Scan;SAR;cube 0;
Markers
(W/kg)
m
0.000
0.005
0.010
0.015
0.020
0.025
0.030
0.035

Test Date: 15 October 2012
File Name: M120922 150 MHz Body Worn Antenna Wideband 15-10-12.da52:0
DUT: Tait PTT Transceiver; Type: TPDB1A; Serial: 25385967

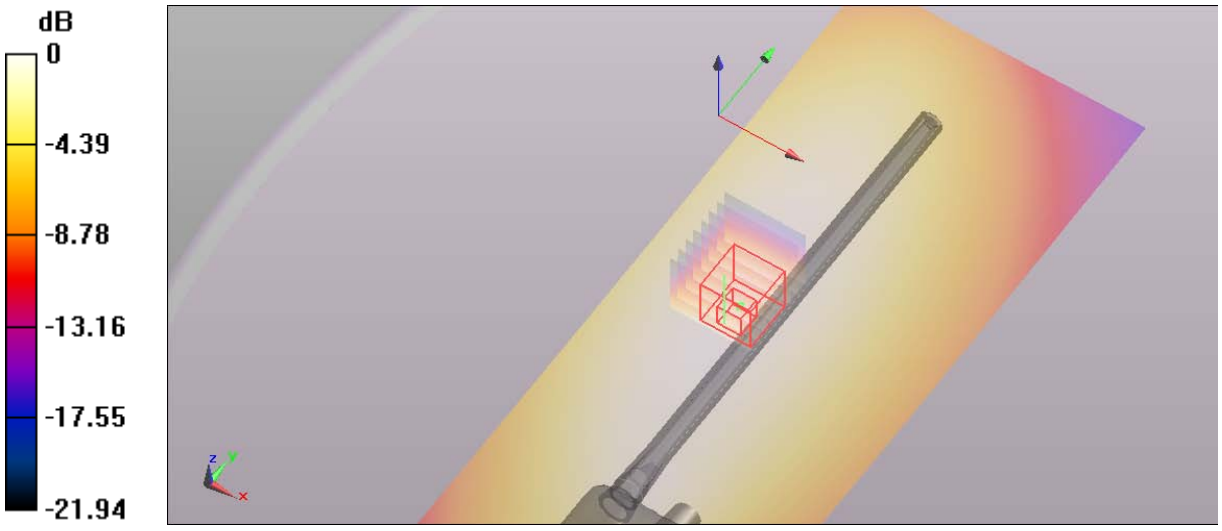
* Communication System: CW; Frequency: 164.5 MHz; Duty Cycle: 1:1
* Medium parameters used: f = 164 MHz; σ = 0.825 mho/m; ε_r = 61.536; ρ = 1000 kg/m^3
- Electronics: DAE3 Sn442; Probe: ET3DV6 - SN1380; ConvF(8.02, 8.02, 8.02); Calibrated: 12/12/2011
- Phantom: ELI 4.0; Serial: 1101; Phantom section: Flat Section

Configuration/Leather Case Battery Clip (14mm) Channel 9 Test/Area Scan (81x241x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 1.86 W/kg

Configuration/Leather Case Battery Clip (14mm) Channel 9 Test/Zoom Scan (8x8x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

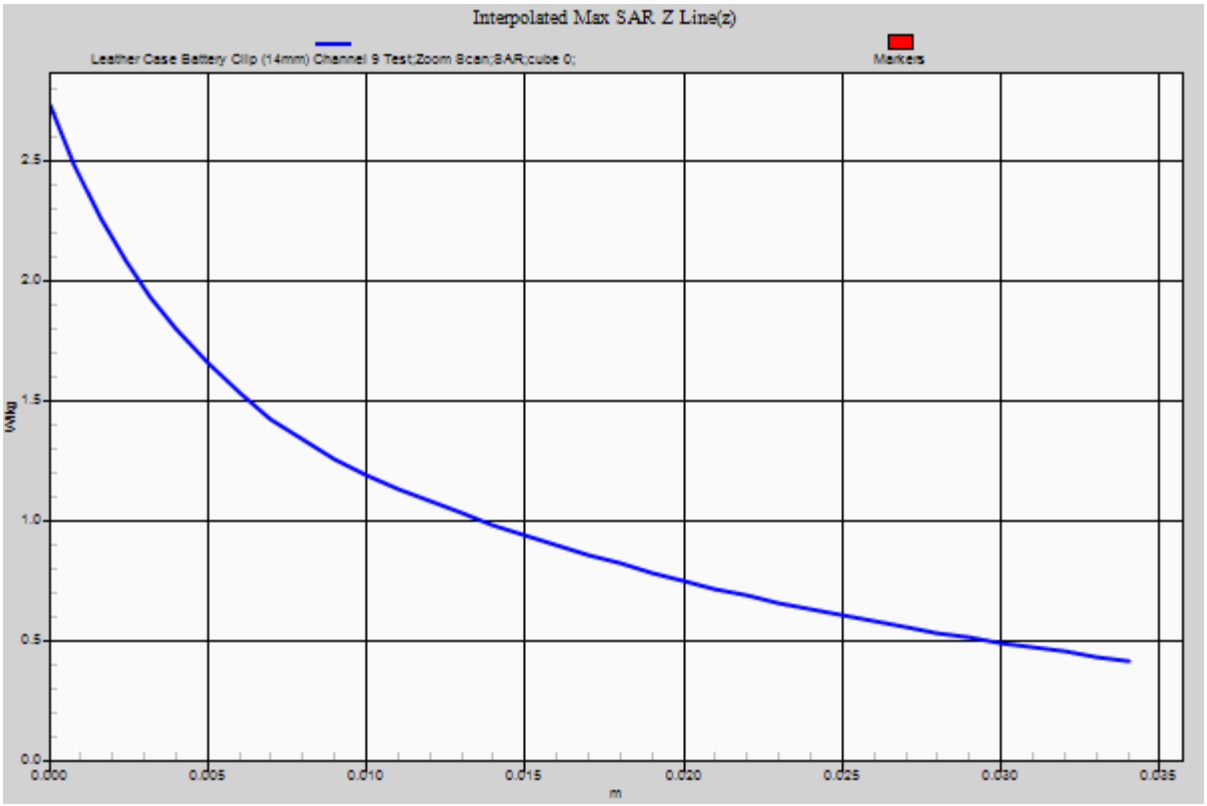
Reference Value = 45.290 V/m; Power Drift = -0.19 dB
Peak SAR (extrapolated) = 2.736 mW/g
SAR(1 g) = 1.74 mW/g; SAR(10 g) = 1.28 mW/g
Maximum value of SAR (measured) = 1.80 W/kg



0 dB = 1.86 W/kg = 5.39 dB W/kg

SAR MEASUREMENT PLOT 21

Ambient Temperature	**20.9 Degrees Celsius**
Liquid Temperature	**20.5 Degrees Celsius**
Humidity	**40.0%**



Test Date: 19 December 2012
File Name: M120922 150 MHz Body Worn Antenna 168 MHz High Capacity Battery 19-12-12.da52:0
DUT: Tait PTT Transceiver; Type: TPDB1A; Serial: 25385967

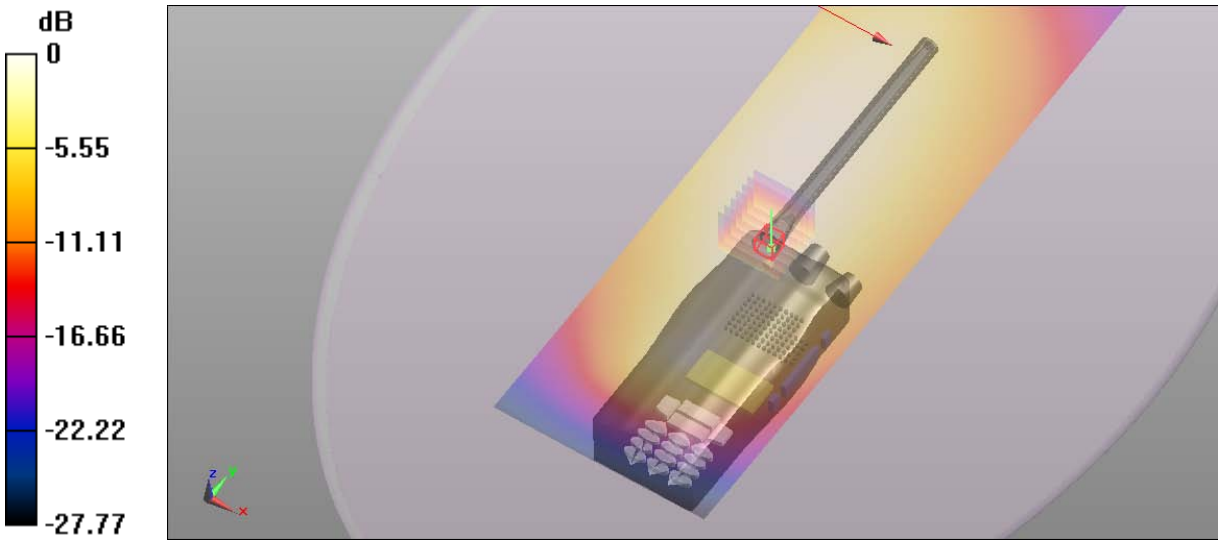
* Communication System: CW; Frequency: 162 MHz; Duty Cycle: 1:1
* Medium parameters used: f = 162 MHz; σ = 0.794 mho/m; ε_r = 61.484; ρ = 1000 kg/m^3
- Electronics: DAE3 Sn442; Probe: ET3DV6 - SN1380; ConvF(8.06, 8.06, 8.06); Calibrated: 10/12/2012
- Phantom: ELI 4.0; Serial: 1101; Phantom section: Flat Section

Configuration/Leather Case Battery Clip (14mm) Channel 8 Test/Area Scan (81x241x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 6.75 W/kg

Configuration/Leather Case Battery Clip (14mm) Channel 8 Test/Zoom Scan (8x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

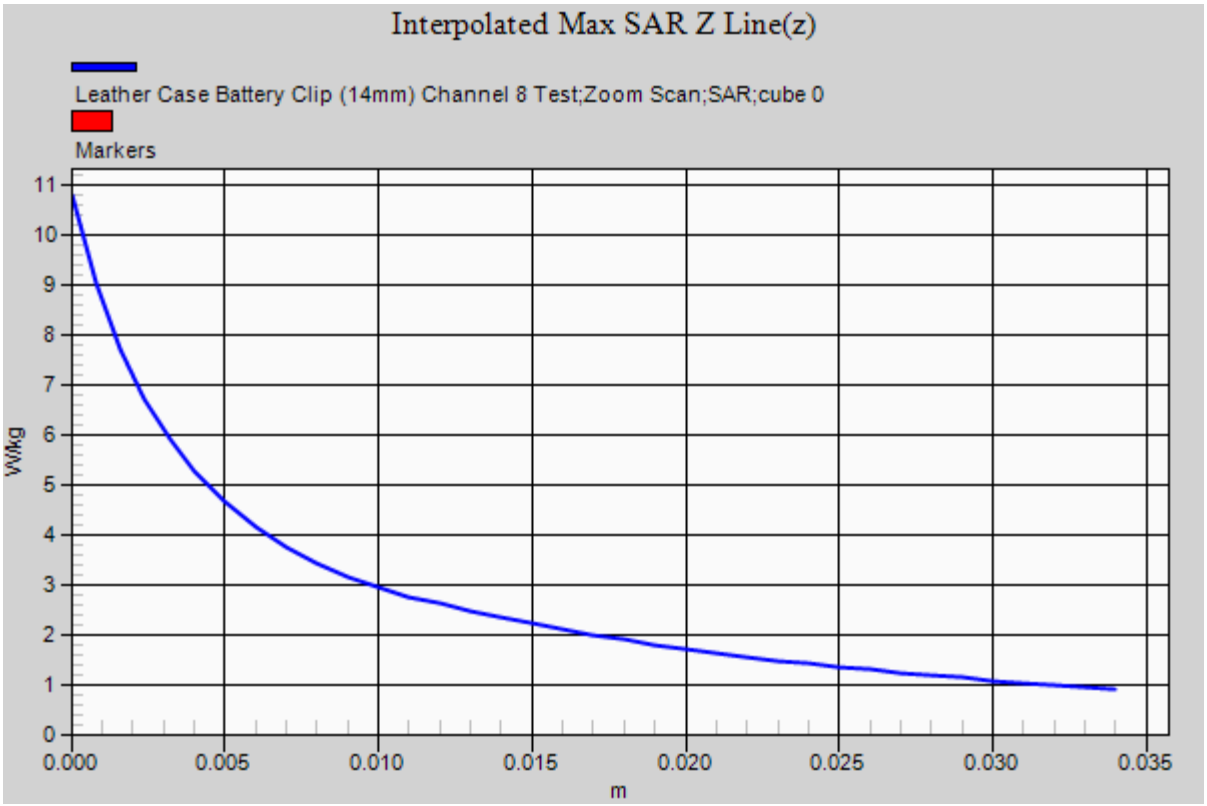
Reference Value = 73.600 V/m; Power Drift = -0.16 dB
Peak SAR (extrapolated) = 10.809 mW/g
SAR(1 g) = 5.23 mW/g
Maximum value of SAR (measured) = 5.35 W/kg



0 dB = 6.75 W/kg = 16.59 dB W/kg

SAR MEASUREMENT PLOT 22

Ambient Temperature	**20.5 Degrees Celsius**
Liquid Temperature	**20.1 Degrees Celsius**
Humidity	**50.0 %**



Test Date: 16 October 2012
File Name: M120922 150 MHz Body Worn Antenna 143.5 MHz 16-10-12.da52:0
DUT: Tait PTT Transceiver; Type: TPDB1A; Serial: 25385967

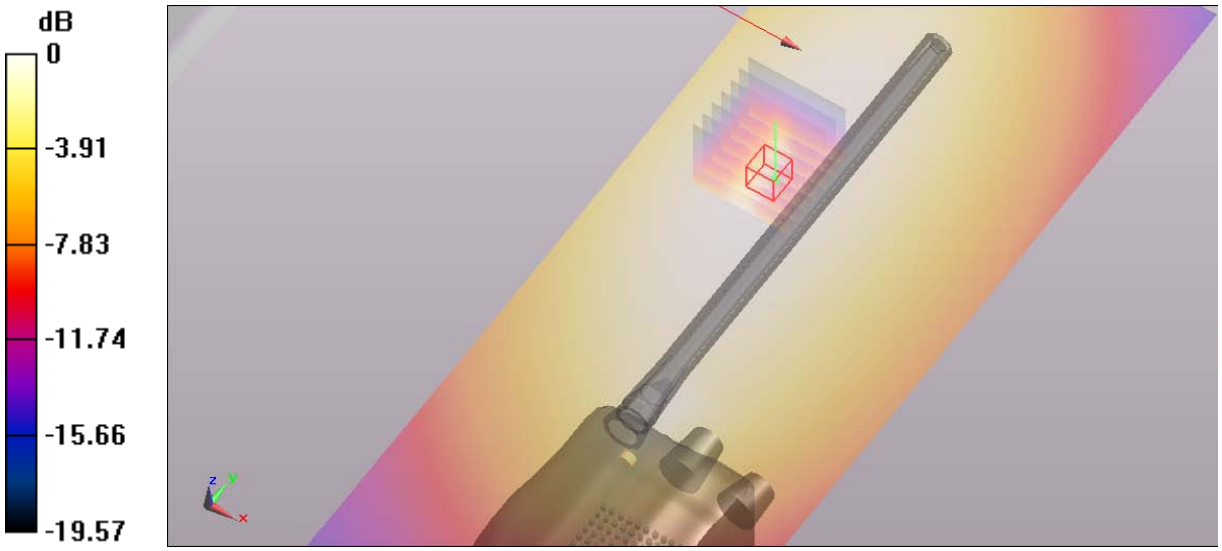
* Communication System: CW; Frequency: 136 MHz; Duty Cycle: 1:1
* Medium parameters used: f = 136 MHz; σ = 0.812 mho/m; ε_r = 62.143; ρ = 1000 kg/m^3
- Electronics: DAE3 Sn442; Probe: ET3DV6 - SN1380; ConvF(8.02, 8.02, 8.02); Calibrated: 12/12/2011
- Phantom: ELI 4.0; Serial: 1101; Phantom section: Flat Section

Configuration/Leather Case Spring clip (17mm) Channel 1 Test/Area Scan (81x241x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 2.11 W/kg

Configuration/Leather Case Spring clip (17mm) Channel 1 Test/Zoom Scan (8x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

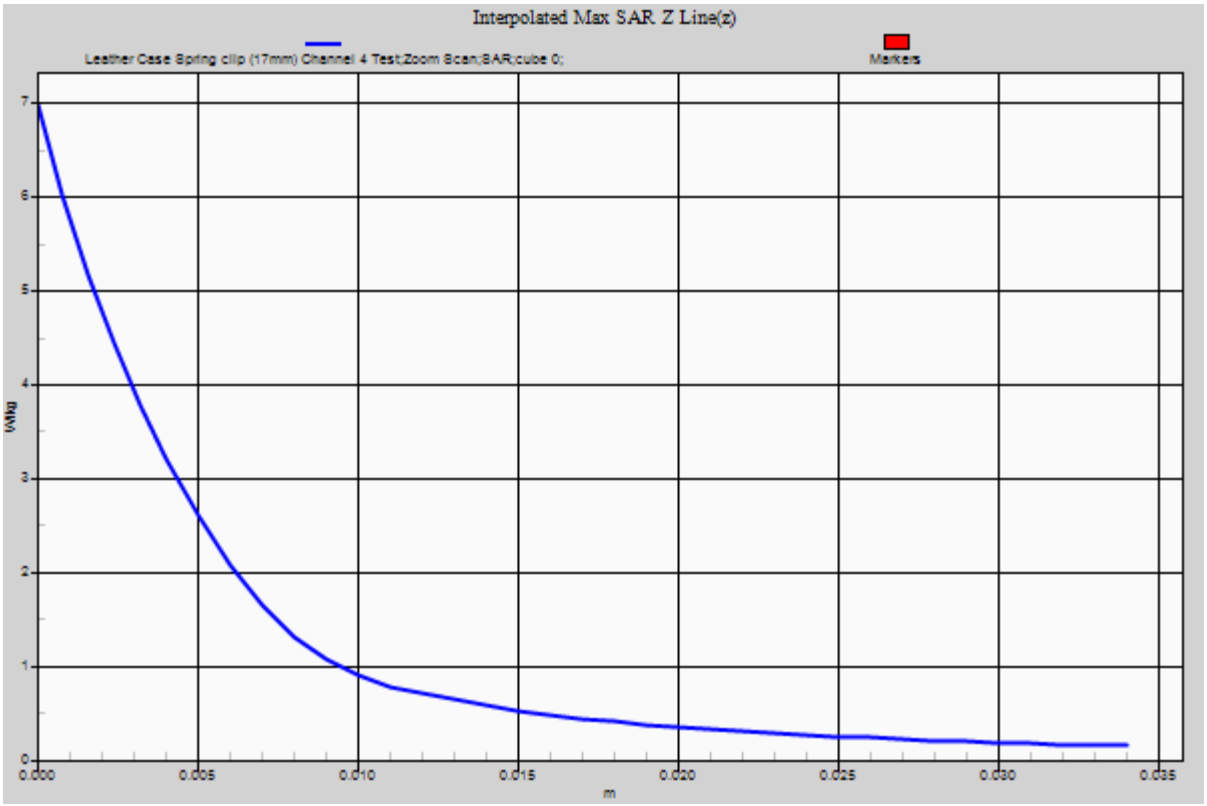
Reference Value = 37.118 V/m; Power Drift = -0.14 dB
Peak SAR (extrapolated) = 3.813 mW/g
SAR(1 g) = 2.02 mW/g
Maximum value of SAR (measured) = 2.12 W/kg



0 dB = 2.11 W/kg = 6.49 dB W/kg

SAR MEASUREMENT PLOT 23

Ambient Temperature	**20.7 Degrees Celsius**
Liquid Temperature	**20.4 Degrees Celsius**
Humidity	**42.0%**



Test Date: 17 October 2012
File Name: M120922 150 MHz Body Worn Antenna 156 MHz 17-10-12.da52:0
DUT: Tait PTT Transceiver; Type: TPDB1A; Serial: 25385967

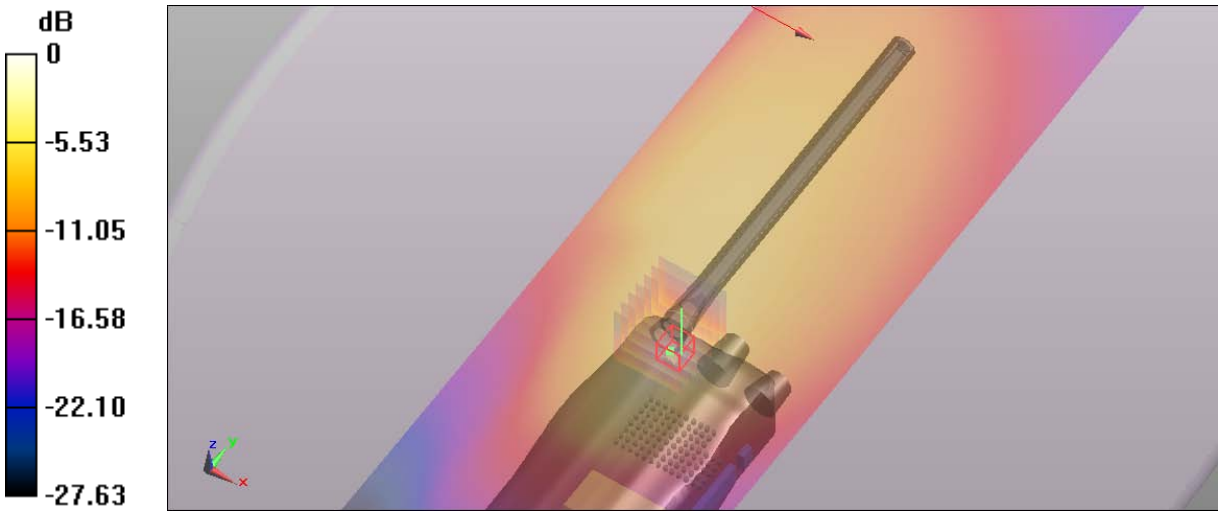
* Communication System: CW; Frequency: 150 MHz; Duty Cycle: 1:1
* Medium parameters used: f = 150 MHz; σ = 0.816 mho/m; ε_r = 62; ρ = 1000 kg/m^3
- Electronics: DAE3 Sn442; Probe: ET3DV6 - SN1380; ConvF(8.02, 8.02, 8.02); Calibrated: 12/12/2011
- Phantom: ELI 4.0; Serial: 1101; Phantom section: Flat Section

Configuration/Leather Case Spring clip (17mm) Channel 4 Test/Area Scan (81x241x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 5.13 W/kg

Configuration/Leather Case Spring clip (17mm) Channel 4 Test/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

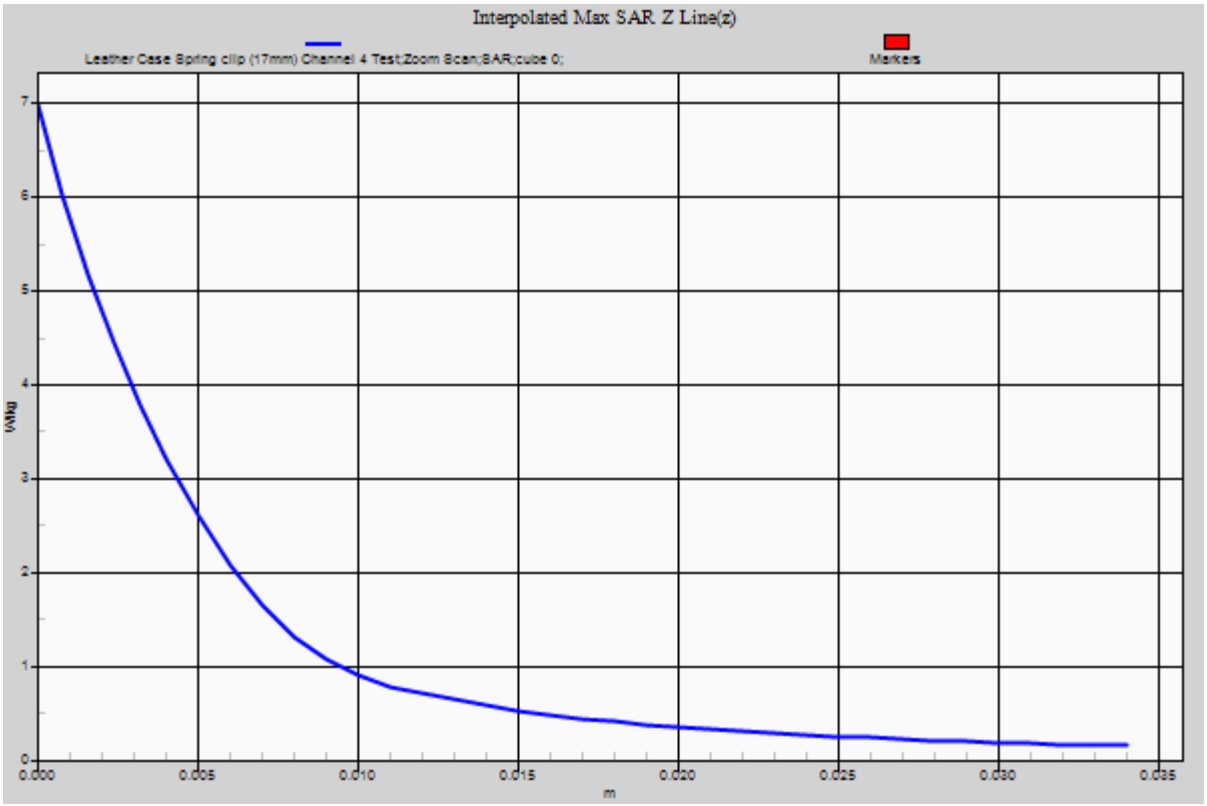
Reference Value = 38.602 V/m; Power Drift = -0.17 dB
Peak SAR (extrapolated) = 6.988 mW/g
SAR(1 g) = 2.69 mW/g
Maximum value of SAR (measured) = 3.18 W/kg



0 dB = 5.13 W/kg = 14.20 dB W/kg

SAR MEASUREMENT PLOT 24

Ambient Temperature	**20.8 Degrees Celsius**
Liquid Temperature	**20.3 Degrees Celsius**
Humidity	**41.0%**



Test Date: 18 December 2012
File Name: M120922 150 MHz Body Worn Antenna 156 MHz 18-12-12.da52:0
DUT: Tait PTT Transceiver; Type: TPDB1A; Serial: 25385967

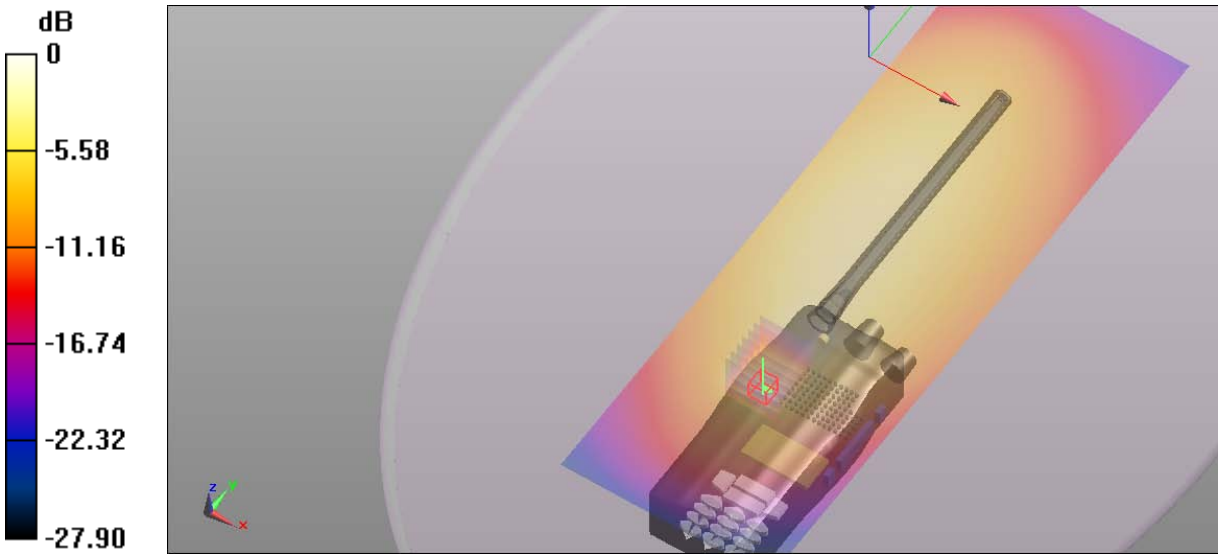
* Communication System: CW; Frequency: 156 MHz; Duty Cycle: 1:1
* Medium parameters used: f = 156 MHz; σ = 0.78 mho/m; ε_r = 62.008; ρ = 1000 kg/m^3
- Electronics: DAE3 Sn442; Probe: ET3DV6 - SN1380; ConvF(8.06, 8.06, 8.06); Calibrated: 10/12/2012
- Phantom: ELI 4.0; Serial: 1101; Phantom section: Flat Section

Configuration/Leather Case Spring clip (17mm) Channel 7 Test/Area Scan (81x241x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 5.35 W/kg

Configuration/Leather Case Spring clip (17mm) Channel 7 Test/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

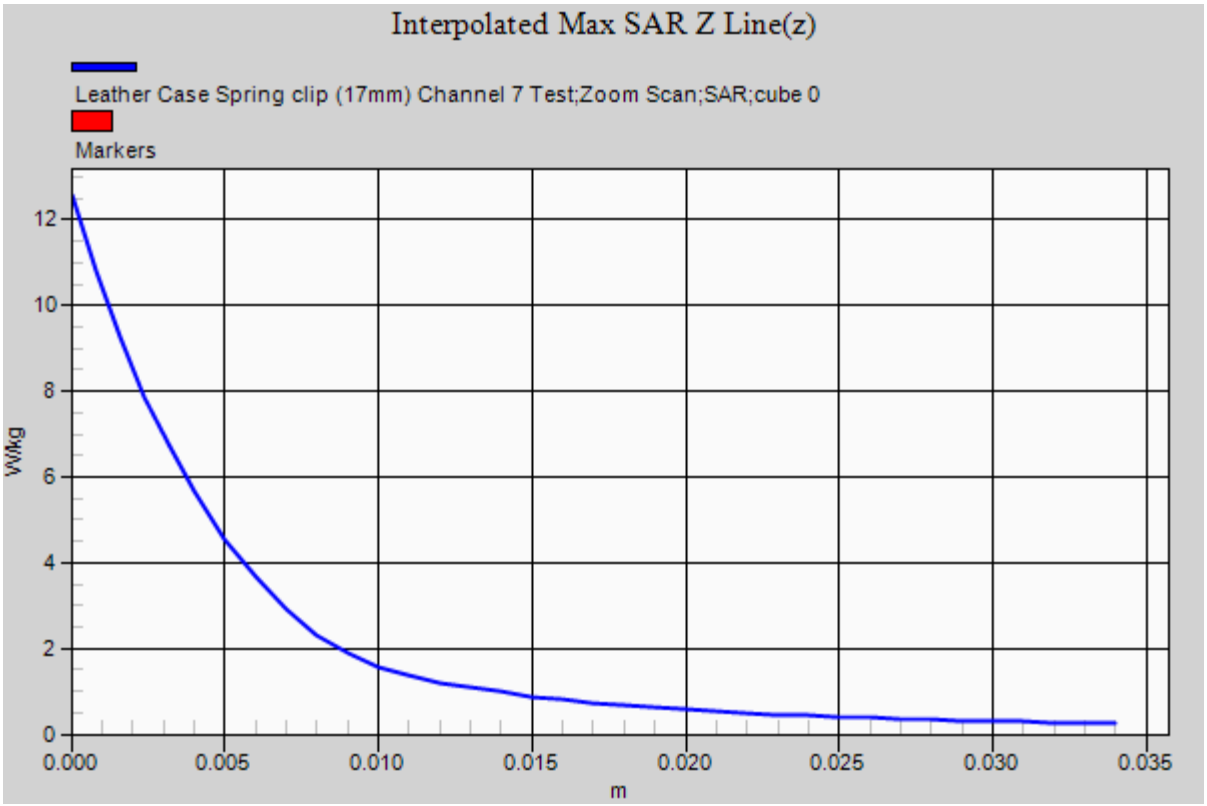
Reference Value = 54.722 V/m; Power Drift = 0.17 dB
Peak SAR (extrapolated) = 12.584 mW/g
SAR(1 g) = 4.94 mW/g
Maximum value of SAR (measured) = 5.43 W/kg



0 dB = 5.35 W/kg = 14.57 dB W/kg

SAR MEASUREMENT PLOT 25

Ambient Temperature	**19.7 Degrees Celsius**
Liquid Temperature	**19.6 Degrees Celsius**
Humidity	**50.0 %**



Test Date: 18 December 2012
File Name: M120922 150 MHz Body Worn Antenna 156 MHz 18-12-12.da52:0
DUT: Tait PTT Transceiver; Type: TPDB1A; Serial: 25385967

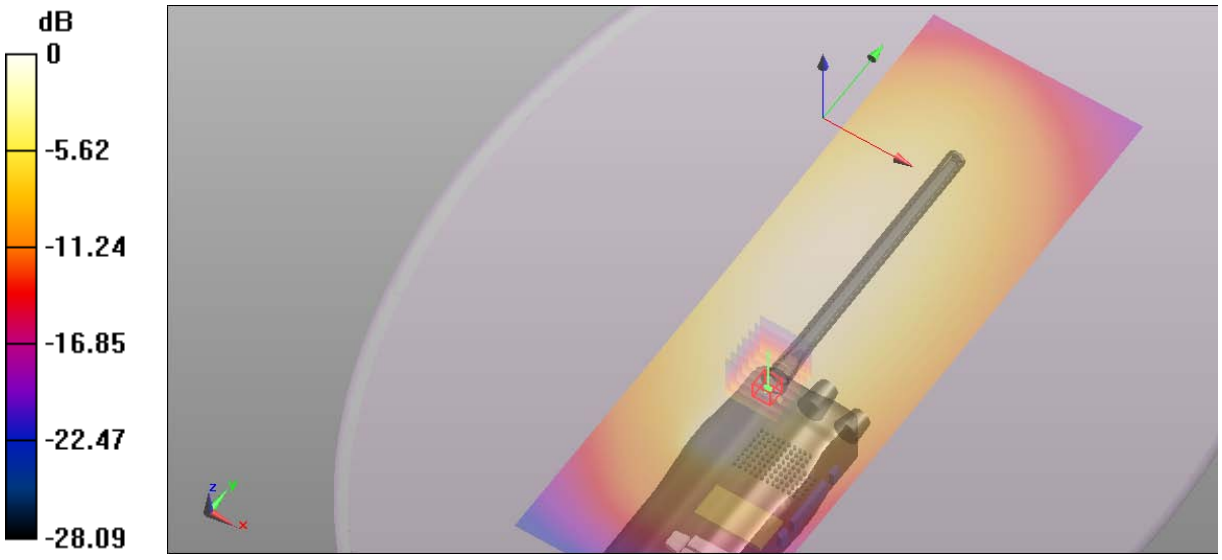
* Communication System: CW; Frequency: 162 MHz; Duty Cycle: 1:1
* Medium parameters used: f = 162 MHz; σ = 0.787 mho/m; ε_r = 61.884; ρ = 1000 kg/m^3
- Electronics: DAE3 Sn442; Probe: ET3DV6 - SN1380; ConvF(8.06, 8.06, 8.06); Calibrated: 10/12/2012
- Phantom: ELI 4.0; Serial: 1101; Phantom section: Flat Section

Configuration/Leather Case Spring clip (17mm) Channel 8 Test/Area Scan (81x241x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.646 W/kg

Configuration/Leather Case Spring clip (17mm) Channel 8 Test/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

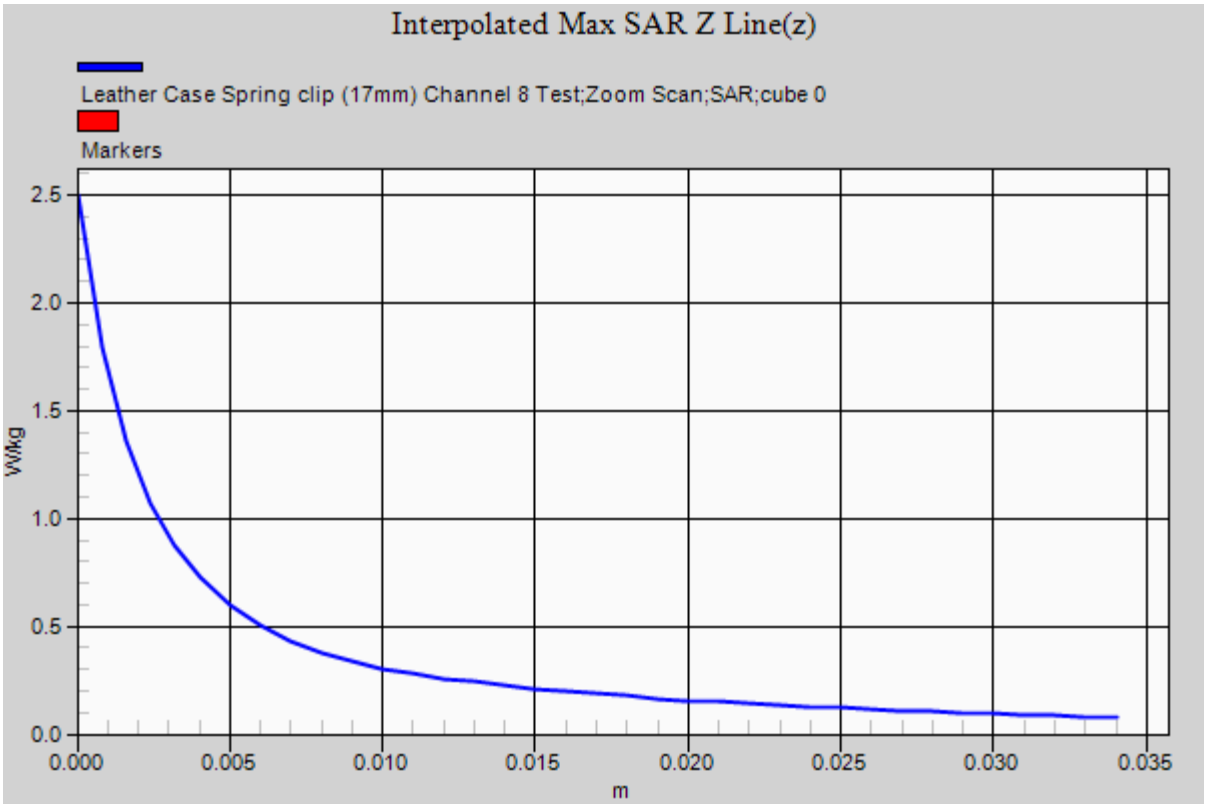
Reference Value = 22.911 V/m; Power Drift = -0.01 dB
Peak SAR (extrapolated) = 2.501 mW/g
SAR(1 g) = 0.723 mW/g
Maximum value of SAR (measured) = 0.739 W/kg



0 dB = 0.646 W/kg = -3.80 dB W/kg

SAR MEASUREMENT PLOT 26

Ambient Temperature	**19.7 Degrees Celsius**
Liquid Temperature	**19.6 Degrees Celsius**
Humidity	**50.0 %**



Test Date: 17 October 2012
File Name: M120922 150 MHz Body Worn Antenna 168 MHz 17-10-12.da52:0
DUT: Tait PTT Transceiver; Type: TPDB1A; Serial: 25385967

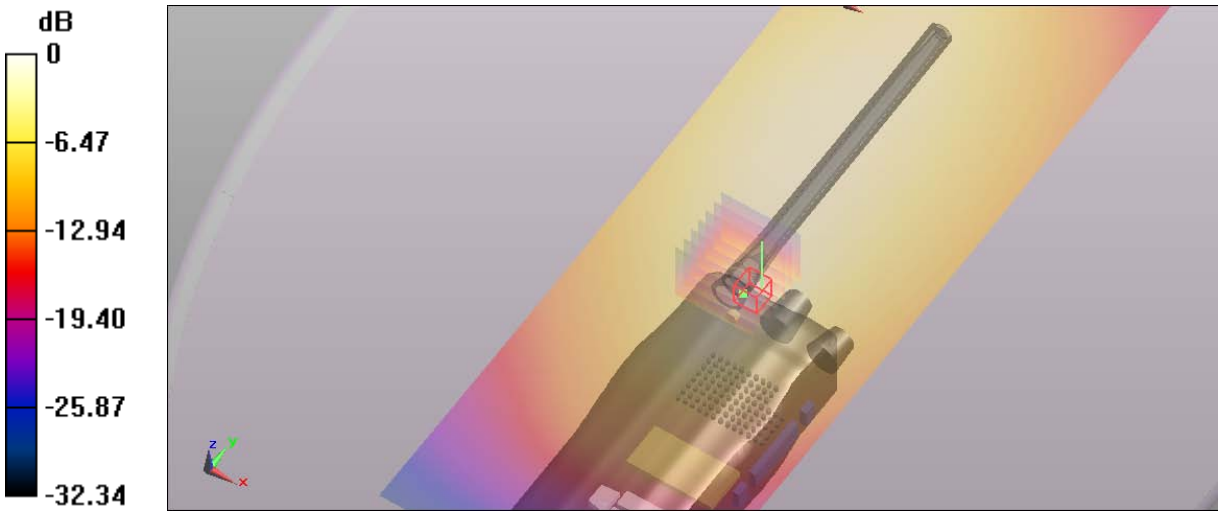
* Communication System: CW; Frequency: 162 MHz; Duty Cycle: 1:1
* Medium parameters used: f = 162 MHz; σ = 0.824 mho/m; ε_r = 61.671; ρ = 1000 kg/m^3
- Electronics: DAE3 Sn442; Probe: ET3DV6 - SN1380; ConvF(8.02, 8.02, 8.02); Calibrated: 12/12/2011
- Phantom: ELI 4.0; Serial: 1101; Phantom section: Flat Section

Configuration/Leather Case Spring clip (17mm) Channel 8 Test/Area Scan (81x241x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

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

Configuration/Leather Case Spring clip (17mm) Channel 8 Test/Zoom Scan (8x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

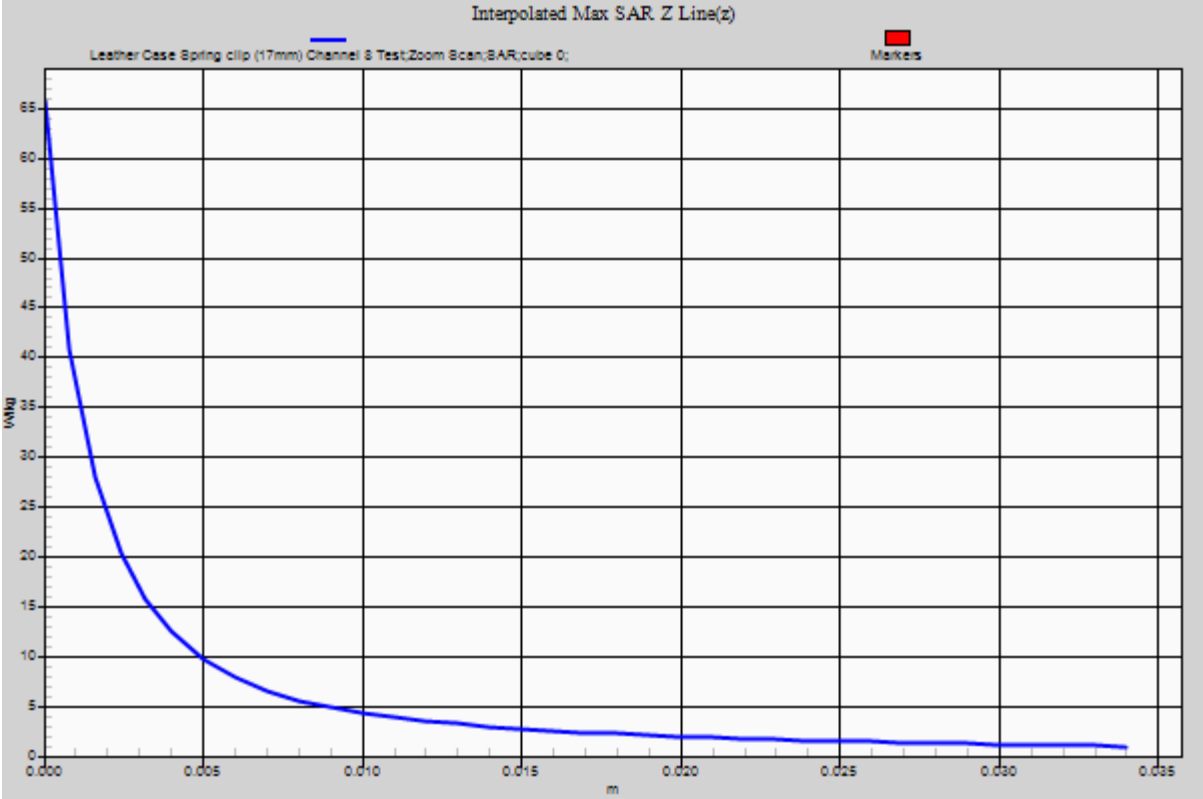
Reference Value = 75.126 V/m; Power Drift = -0.20 dB
Peak SAR (extrapolated) = 65.803 mW/g
SAR(1 g) = 13.2 mW/g
Maximum value of SAR (measured) = 11.7 W/kg



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

SAR MEASUREMENT PLOT 27

Ambient Temperature	**20.8 Degrees Celsius**
Liquid Temperature	**20.3 Degrees Celsius**
Humidity	**41.0%**


Interpolated Max SAR Z Line(z)
Leather Case Spring clip (17mm) Channel 8 Test;Zoom Scan;SAR;cube 0;
Markers
(W/kg)
m
0.000
0.005
0.010
0.015
0.020
0.025
0.030
0.035

Test Date: 19 December 2012
File Name: M120922 150 MHz Body Worn Antenna 168 MHz 19-12-12.da52:0
DUT: Tait PTT Transceiver; Type: TPDB1A; Serial: 25385967

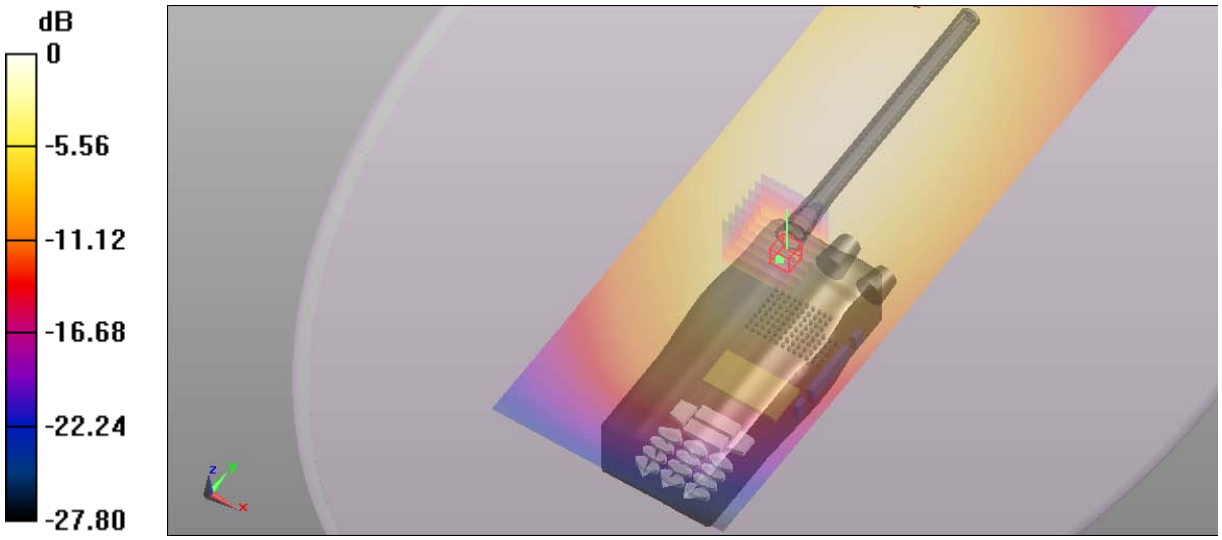
* Communication System: CW; Frequency: 173 MHz; Duty Cycle: 1:1
* Medium parameters used: f = 172 MHz; σ = 0.802 mho/m; ε_r = 61.172; ρ = 1000 kg/m^3
- Electronics: DAE3 Sn442; Probe: ET3DV6 - SN1380; ConvF(8.06, 8.06, 8.06); Calibrated: 10/12/2012
- Phantom: ELI 4.0; Serial: 1101; Phantom section: Flat Section

Configuration/Leather Case Spring clip (17mm) Channel 13 Test/Area Scan (81x241x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 1.23 W/kg

Configuration/Leather Case Spring clip (17mm) Channel 13 Test/Zoom Scan (8x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

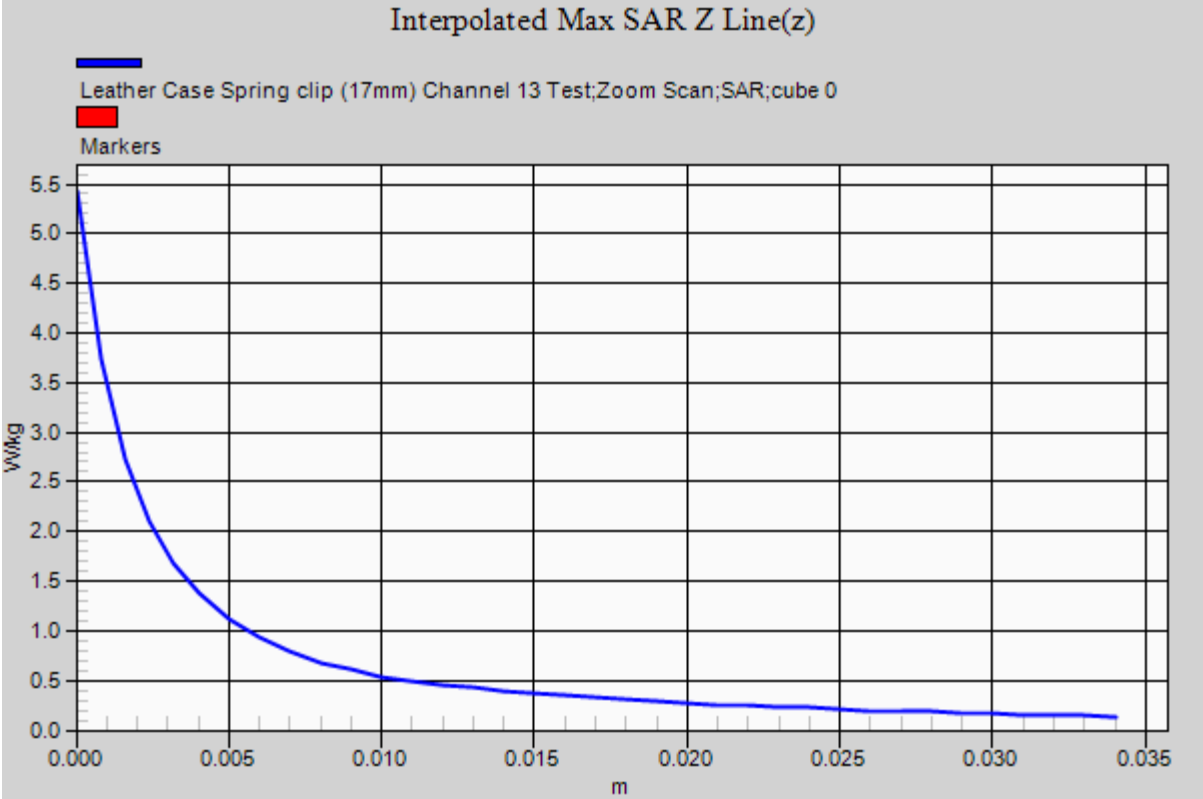
Reference Value = 30.777 V/m; Power Drift = -0.01 dB
Peak SAR (extrapolated) = 5.430 mW/g
SAR(1 g) = 1.41 mW/g
Maximum value of SAR (measured) = 1.36 W/kg



0 dB = 1.23 W/kg = 1.80 dB W/kg

SAR MEASUREMENT PLOT 28

Ambient Temperature	**20.5 Degrees Celsius**
Liquid Temperature	**20.1 Degrees Celsius**
Humidity	**50.0 %**



Test Date: 17 October 2012
File Name: M120922 150 MHz Body Worn Antenna 168 MHz 17-10-12.da52:0
DUT: Tait PTT Transceiver; Type: TPDB1A; Serial: 25385967

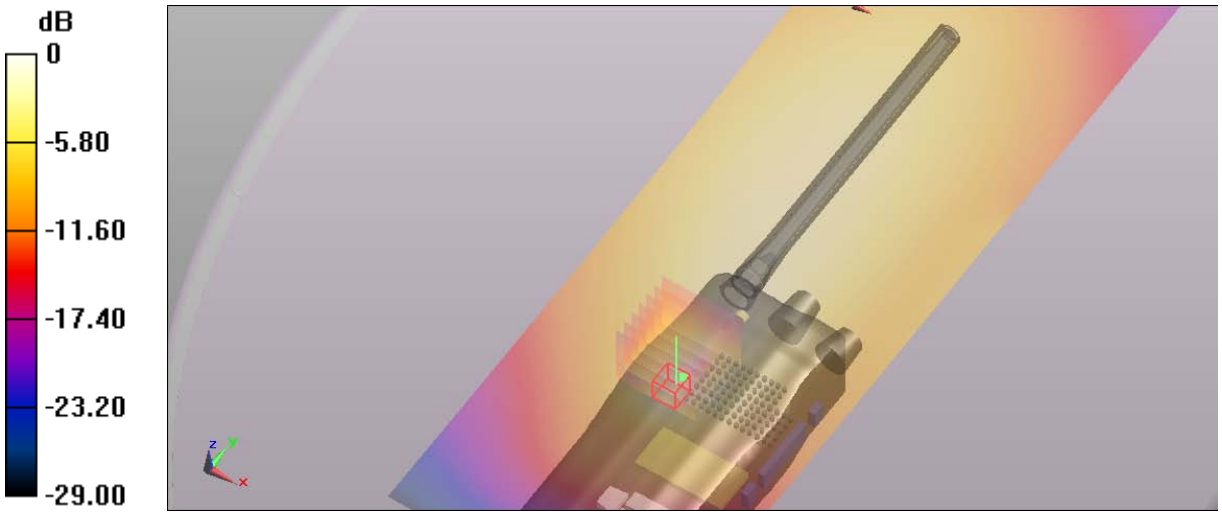
* Communication System: CW; Frequency: 168 MHz; Duty Cycle: 1:1
* Medium parameters used: f = 168 MHz; σ = 0.829 mho/m; ε_r = 61.413; ρ = 1000 kg/m^3
- Electronics: DAE3 Sn442; Probe: ET3DV6 - SN1380; ConvF(8.02, 8.02, 8.02); Calibrated: 12/12/2011
- Phantom: ELI 4.0; Serial: 1101; Phantom section: Flat Section

Configuration/Leather Case Spring clip (17mm) Channel 10 Test/Area Scan (81x241x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 2.06 W/kg

Configuration/Leather Case Spring clip (17mm) Channel 10 Test/Zoom Scan (8x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

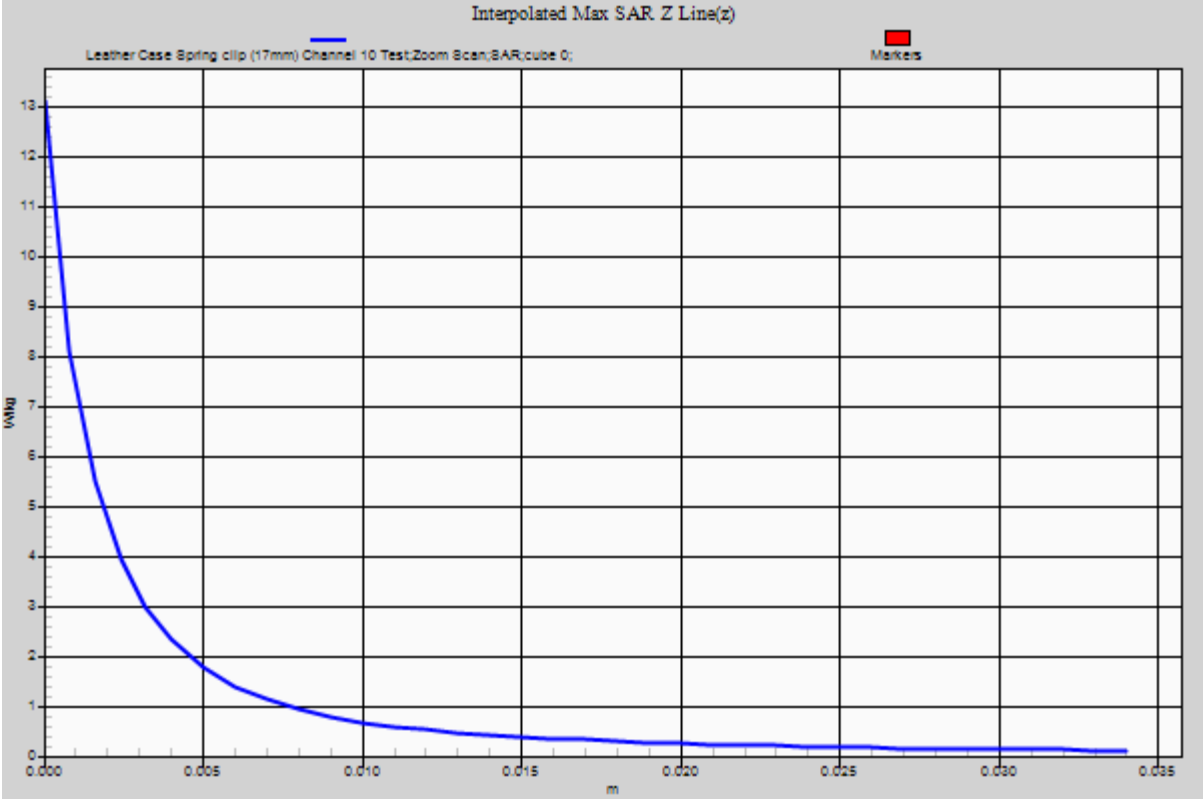
Reference Value = 33.095 V/m; Power Drift = -0.18 dB
Peak SAR (extrapolated) = 13.106 mW/g
SAR(1 g) = 2.54 mW/g
Maximum value of SAR (measured) = 2.17 W/kg



0 dB = 2.06 W/kg = 6.28 dB W/kg

SAR MEASUREMENT PLOT 29

Ambient Temperature	**20.8 Degrees Celsius**
Liquid Temperature	**20.3 Degrees Celsius**
Humidity	**41.0%**



Test Date: 19 December 2012
File Name: M120922 150 MHz Body Worn Antenna Wideband 19-12-12.da52:0
DUT: Tait PTT Transceiver; Type: TPDB1A; Serial: 25385967

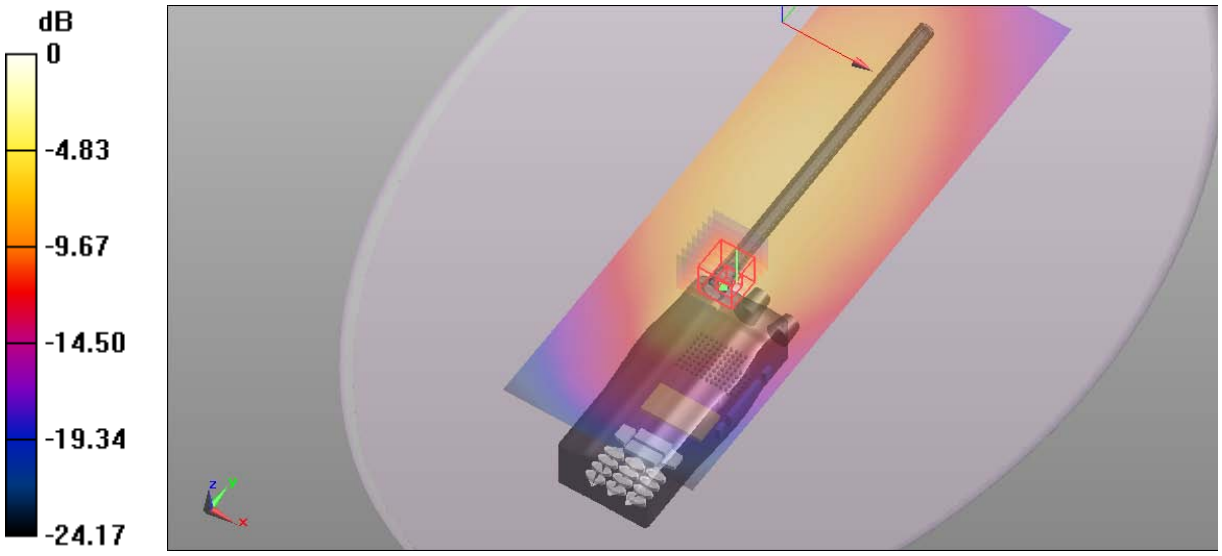
* Communication System: CW; Frequency: 150 MHz; Duty Cycle: 1:1
* Medium parameters used: f = 150 MHz; σ = 0.785 mho/m; ε_r = 61.949; ρ = 1000 kg/m^3
- Electronics: DAE3 Sn442; Probe: ET3DV6 - SN1380; ConvF(8.06, 8.06, 8.06); Calibrated: 10/12/2012
- Phantom: ELI 4.0; Serial: 1101; Phantom section: Flat Section

Configuration/Leather Case Spring clip (17mm) Channel 4 Test/Area Scan (81x241x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 4.82 W/kg

Configuration/Leather Case Spring clip (17mm) Channel 4 Test/Zoom Scan (8x8x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

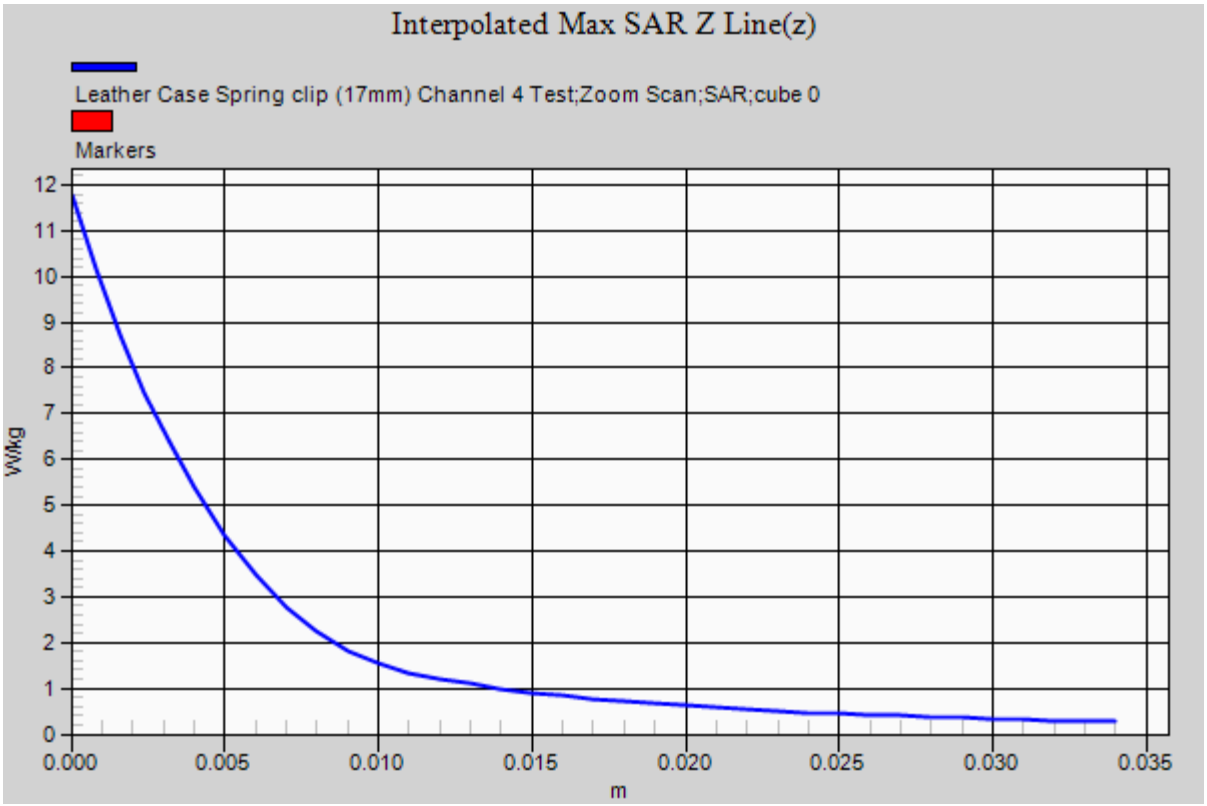
Reference Value = 34.602 V/m; Power Drift = -0.09 dB
Peak SAR (extrapolated) = 11.782 mW/g
SAR(1 g) = 4.56 mW/g; SAR(10 g) = 2 mW/g
Maximum value of SAR (measured) = 5.09 W/kg



0 dB = 4.82 W/kg = 13.66 dB W/kg

SAR MEASUREMENT PLOT 30

Ambient Temperature	**20.5 Degrees Celsius**
Liquid Temperature	**20.1 Degrees Celsius**
Humidity	**50.0 %**



Test Date: 19 December 2012
File Name: M120922 150 MHz Body Worn Antenna Wideband 19-12-12.da52:0
DUT: Tait PTT Transceiver; Type: TPDB1A; Serial: 25385967

* Communication System: CW; Frequency: 156 MHz; Duty Cycle: 1:1
* Medium parameters used: f = 156 MHz; σ = 0.789 mho/m; ε_r = 61.767; ρ = 1000 kg/m^3
- Electronics: DAE3 Sn442; Probe: ET3DV6 - SN1380; ConvF(8.06, 8.06, 8.06); Calibrated: 10/12/2012
- Phantom: ELI 4.0; Serial: 1101; Phantom section: Flat Section

Configuration/Leather Case Spring clip (17mm) Channel 7 Test/Area Scan (81x241x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

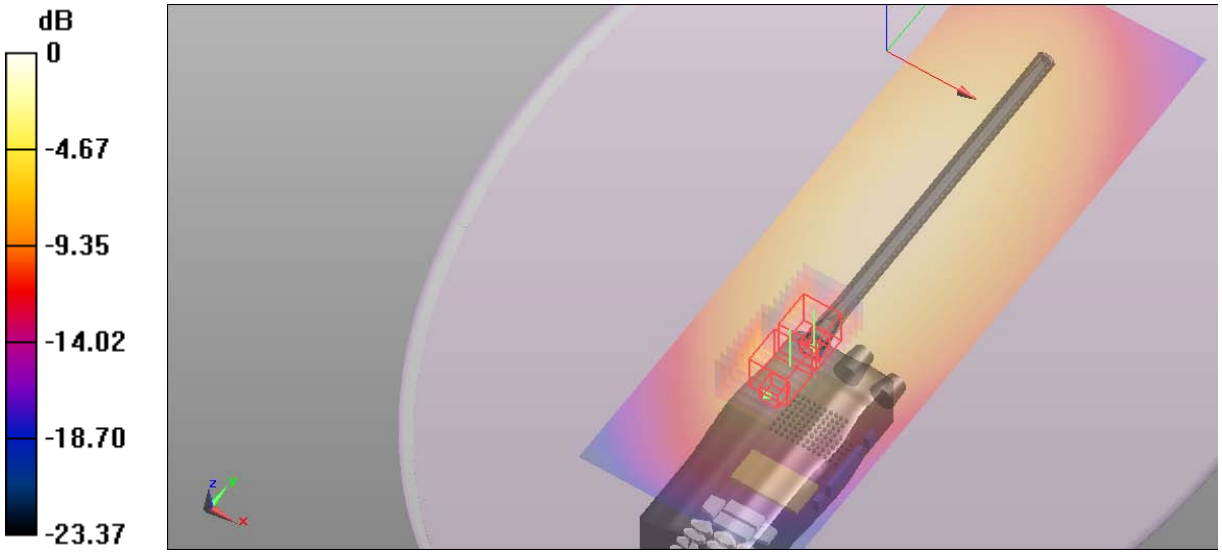
Maximum value of SAR (interpolated) = 1.75 W/kg

Configuration/Leather Case Spring clip (17mm) Channel 7 Test/Zoom Scan (8x8x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 24.716 V/m; Power Drift = -0.03 dB
Peak SAR (extrapolated) = 10.259 mW/g
SAR(1 g) = 1.65 mW/g; SAR(10 g) = 0.673 mW/g
Maximum value of SAR (measured) = 2.07 W/kg

Configuration/Leather Case Spring clip (17mm) Channel 7 Test/Zoom Scan 2 (8x9x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

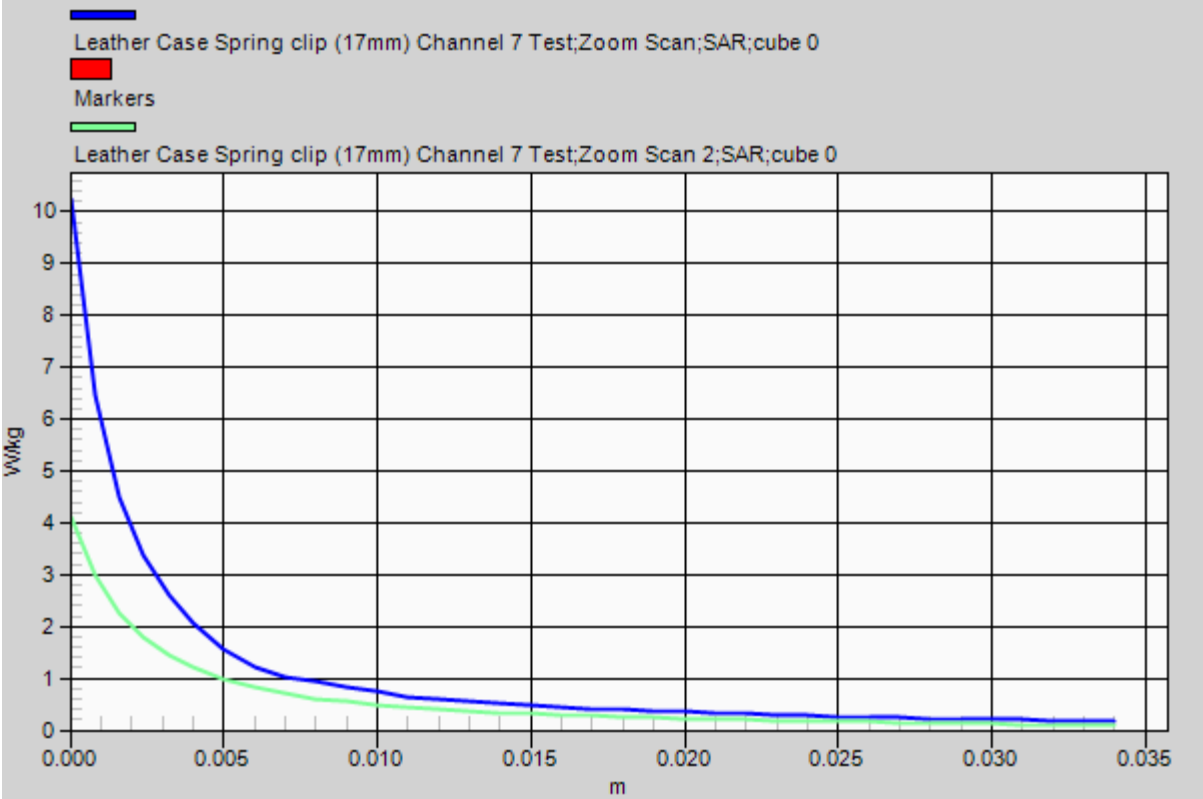
Reference Value = 24.716 V/m; Power Drift = -0.03 dB
Peak SAR (extrapolated) = 4.113 mW/g
SAR(1 g) = 1.1 mW/g; SAR(10 g) = 0.513 mW/g
Maximum value of SAR (measured) = 1.16 W/kg



0 dB = 1.75 W/kg = 4.86 dB W/kg

SAR MEASUREMENT PLOT 31

Ambient Temperature	**20.5 Degrees Celsius**
Liquid Temperature	**20.1 Degrees Celsius**
Humidity	**50.0 %**



Test Date: 15 October 2012
File Name: M120922 150 MHz Body Worn Antenna Wideband 15-10-12.da52:0
DUT: Tait PTT Transceiver; Type: TPDB1A; Serial: 25385967

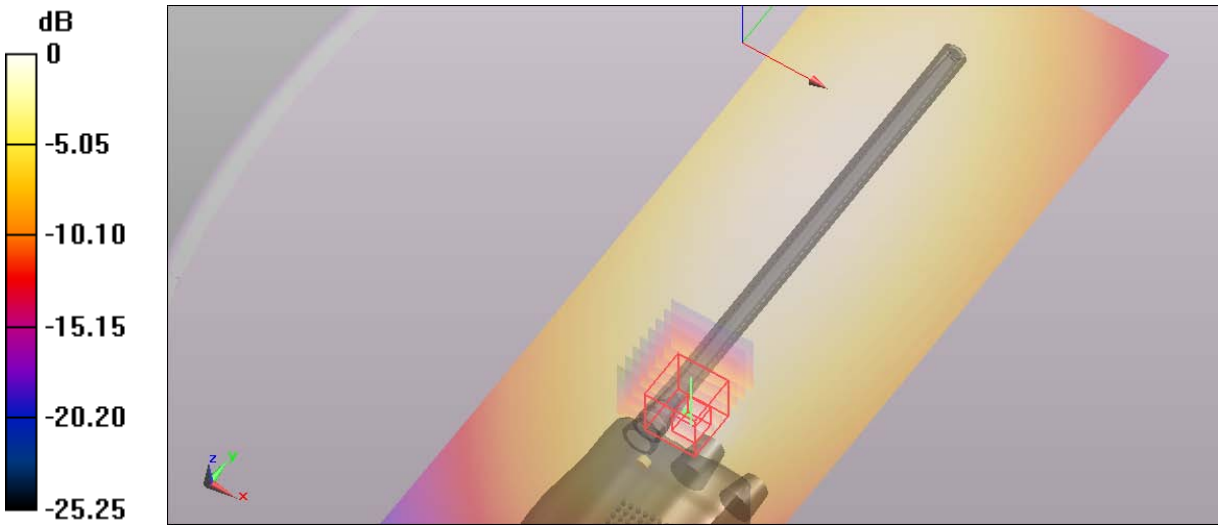
* Communication System: CW; Frequency: 164.5 MHz; Duty Cycle: 1:1
* Medium parameters used: f = 164 MHz; σ = 0.825 mho/m; ε_r = 61.536; ρ = 1000 kg/m^3
- Electronics: DAE3 Sn442; Probe: ET3DV6 - SN1380; ConvF(8.02, 8.02, 8.02); Calibrated: 12/12/2011
- Phantom: ELI 4.0; Serial: 1101; Phantom section: Flat Section

Configuration/Leather Case Spring clip (17mm) Channel 9 Test/Area Scan (81x241x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 2.26 W/kg

Configuration/Leather Case Spring clip (17mm) Channel 9 Test/Zoom Scan (8x8x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

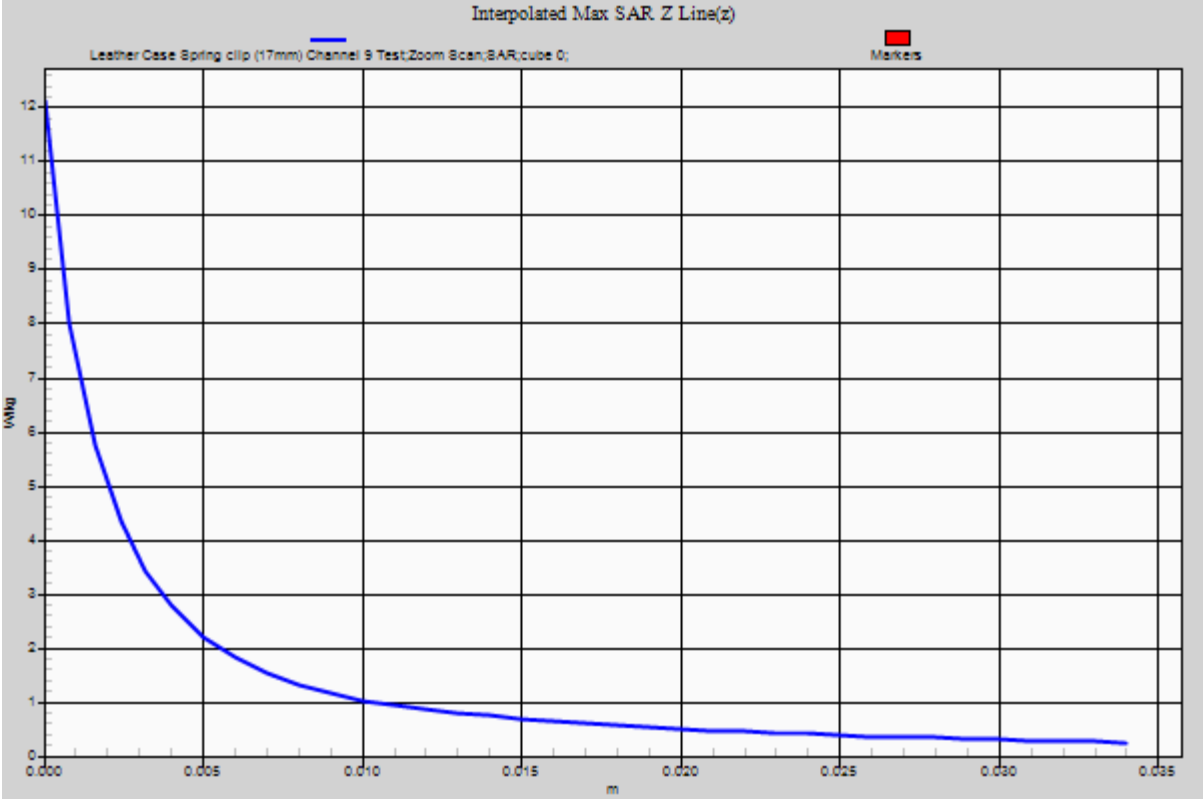
Reference Value = 42.183 V/m; Power Drift = -0.21 dB
Peak SAR (extrapolated) = 12.134 mW/g
SAR(1 g) = 2.75 mW/g; SAR(10 g) = 1.31 mW/g
Maximum value of SAR (measured) = 2.71 W/kg



0 dB = 2.26 W/kg = 7.08 dB W/kg

SAR MEASUREMENT PLOT 32

Ambient Temperature	**20.9 Degrees Celsius**
Liquid Temperature	**20.5 Degrees Celsius**
Humidity	**40.0%**


Interpolated Max SAR Z Line(z)
Leather Case Spring clip (17mm) Channel 9 Test;Zoom Scan;SAR;cube 0;
Markers
(W/kg)
m
0.000
0.005
0.010
0.015
0.020
0.025
0.030
0.035

Test Date: 19 December 2012
File Name: M120922 150 MHz Body Worn Antenna Wideband 19-12-12.da52:0
DUT: Tait PTT Transceiver; Type: TPDB1A; Serial: 25385967

* Communication System: CW; Frequency: 173 MHz; Duty Cycle: 1:1
* Medium parameters used: f = 172 MHz; σ = 0.802 mho/m; ε_r = 61.172; ρ = 1000 kg/m^3
- Electronics: DAE3 Sn442; Probe: ET3DV6 - SN1380; ConvF(8.06, 8.06, 8.06); Calibrated: 10/12/2012
- Phantom: ELI 4.0; Serial: 1101; Phantom section: Flat Section

Configuration/Leather Case Spring clip (17mm) Channel 13 Test/Area Scan (81x241x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

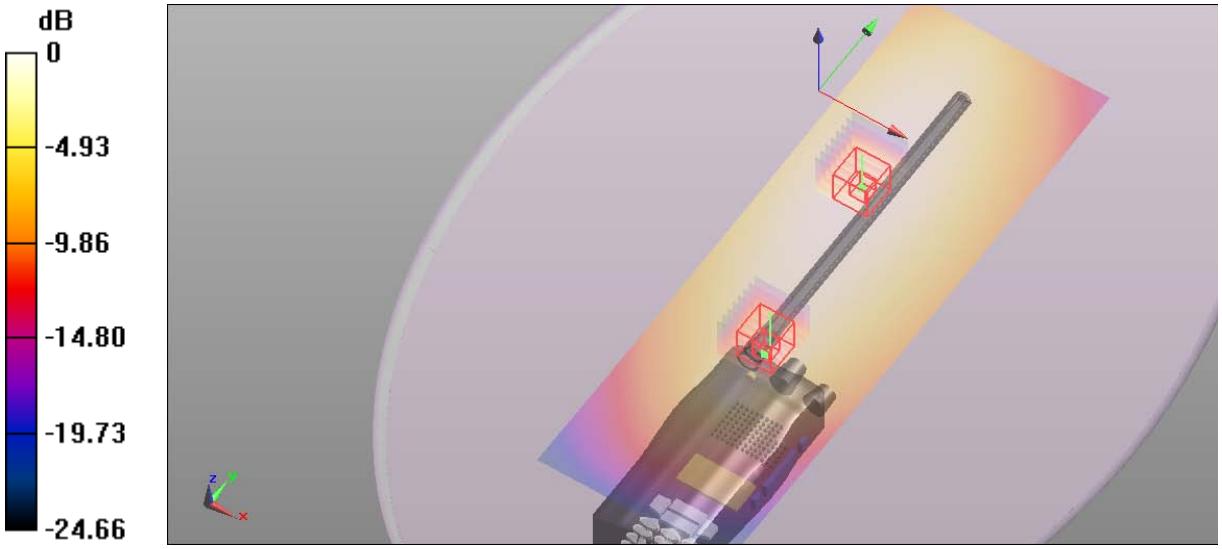
Maximum value of SAR (interpolated) = 1.24 W/kg

Configuration/Leather Case Spring clip (17mm) Channel 13 Test/Zoom Scan (8x8x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 33.244 V/m; Power Drift = -0.03 dB
Peak SAR (extrapolated) = 5.312 mW/g
SAR(1 g) = 1.47 mW/g; SAR(10 g) = 0.723 mW/g
Maximum value of SAR (measured) = 1.40 W/kg

Configuration/Leather Case Spring clip (17mm) Channel 13 Test/Zoom Scan (8x8x7)/Cube 1: Measurement grid: dx=5mm, dy=5mm, dz=5mm

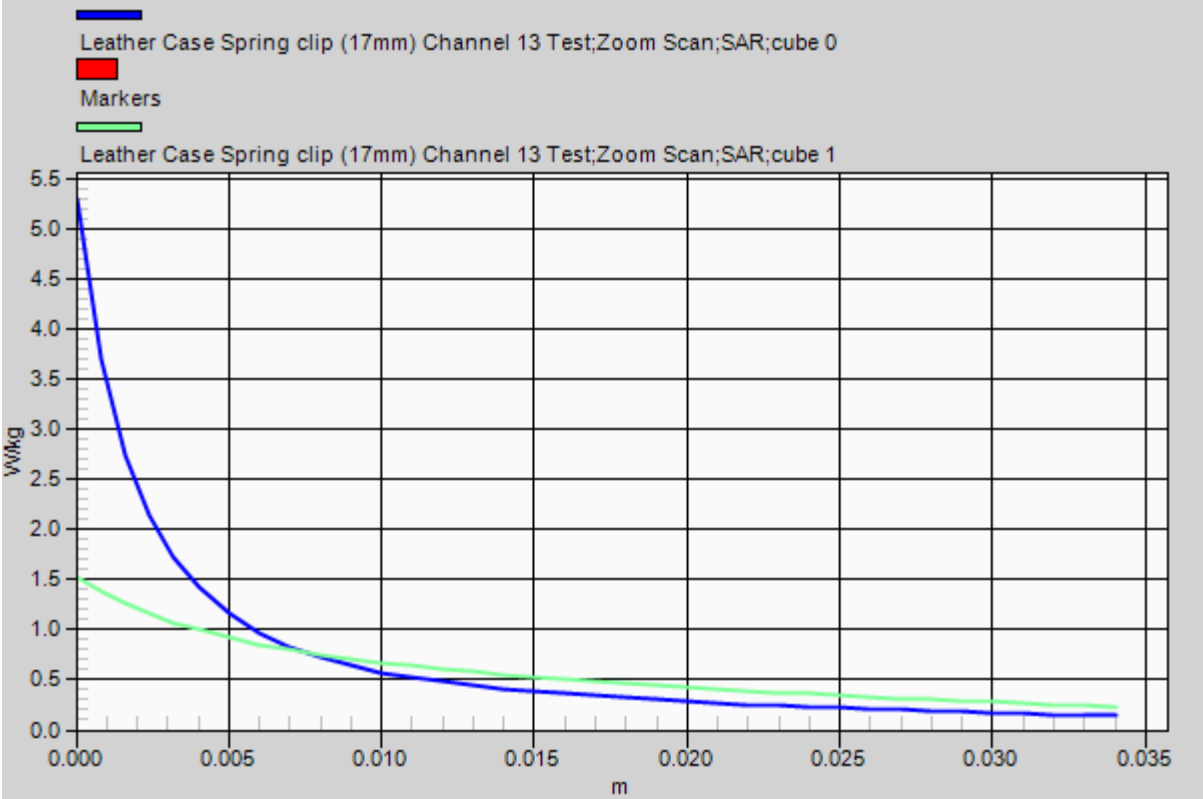
Reference Value = 33.244 V/m; Power Drift = -0.03 dB
Peak SAR (extrapolated) = 1.520 mW/g
SAR(1 g) = 0.976 mW/g; SAR(10 g) = 0.722 mW/g
Maximum value of SAR (measured) = 1.01 W/kg



0 dB = 1.24 W/kg = 1.87 dB W/kg

SAR MEASUREMENT PLOT 33

Ambient Temperature	**20.5 Degrees Celsius**
Liquid Temperature	**20.1 Degrees Celsius**
Humidity	**50.0 %**



Test Date: 18 December 2012
File Name: M120922 150 MHz Body Worn Antenna 156 MHz High Capacity Battery 18-12-12.da52:0
DUT: Tait PTT Transceiver; Type: TPDB1A; Serial: 25385967

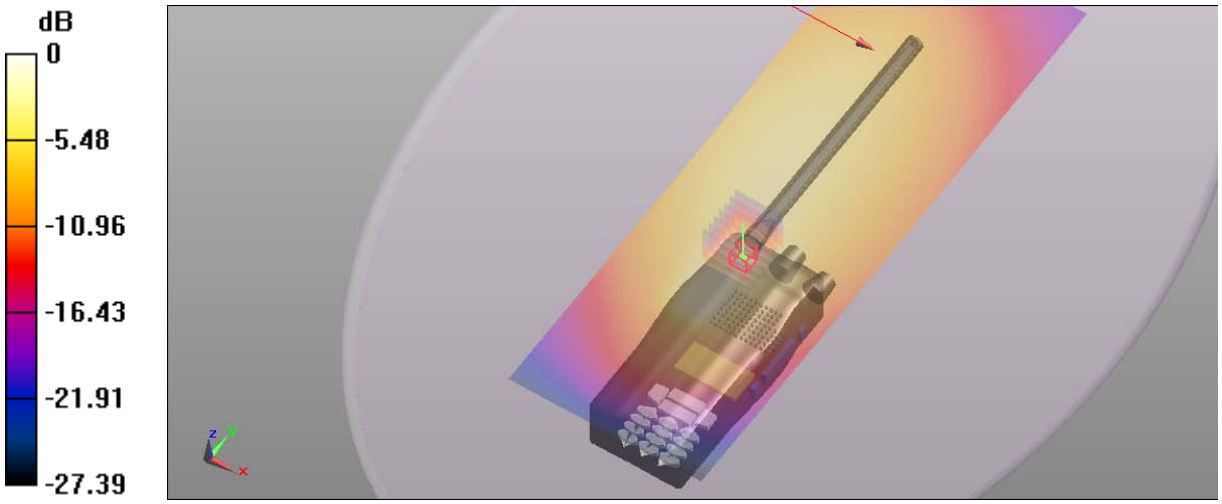
* Communication System: CW; Frequency: 150 MHz; Duty Cycle: 1:1
* Medium parameters used: f = 150 MHz; σ = 0.776 mho/m; ε_r = 62.305; ρ = 1000 kg/m^3
- Electronics: DAE3 Sn442; Probe: ET3DV6 - SN1380; ConvF(8.06, 8.06, 8.06); Calibrated: 10/12/2012
- Phantom: ELI 4.0; Serial: 1101; Phantom section: Flat Section

Configuration/Leather Case Spring clip (17mm) Channel 4 Test/Area Scan (81x241x1): 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) Channel 4 Test/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

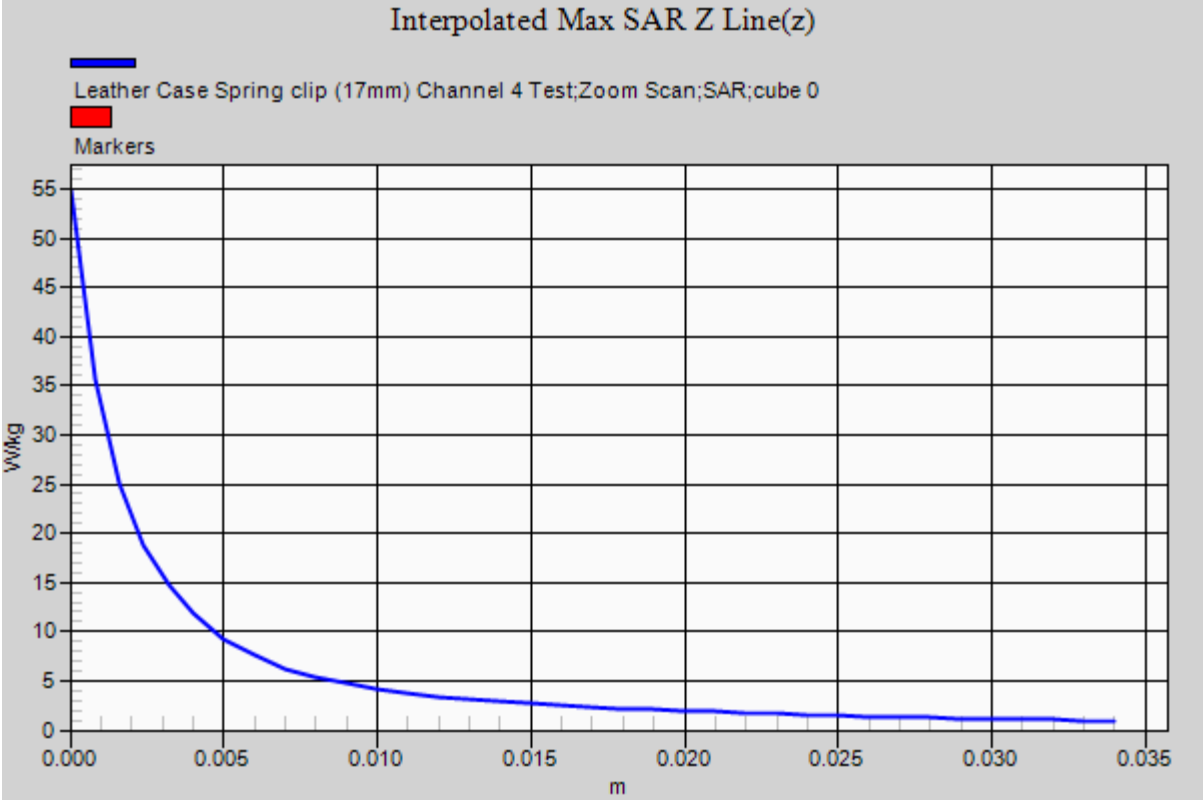
Reference Value = 73.903 V/m; Power Drift = -0.21 dB
Peak SAR (extrapolated) = 54.782 mW/g
SAR(1 g) = 11.9 mW/g
Maximum value of SAR (measured) = 11.6 W/kg



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

SAR MEASUREMENT PLOT 34

Ambient Temperature	**19.7 Degrees Celsius**
Liquid Temperature	**19.6 Degrees Celsius**
Humidity	**50.0 %**



Test Date: 19 December 2012
File Name: M120922 150 MHz Body Worn Antenna 156 MHz High Capacity Battery 19-12-12.da52:0
DUT: Tait PTT Transceiver; Type: TPDB1A; Serial: 25385967

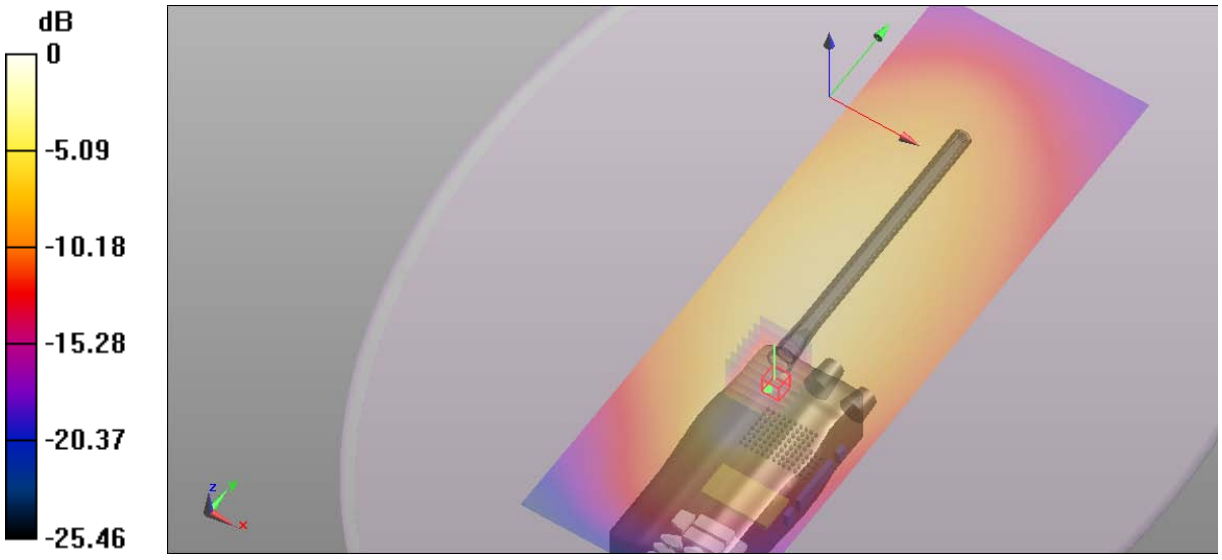
* Communication System: CW; Frequency: 151 MHz; Duty Cycle: 1:1
* Medium parameters used: f = 150 MHz; σ = 0.785 mho/m; ε_r = 61.949; ρ = 1000 kg/m^3
- Electronics: DAE3 Sn442; Probe: ET3DV6 - SN1380; ConvF(8.06, 8.06, 8.06); Calibrated: 10/12/2012
- Phantom: ELI 4.0; Serial: 1101; Phantom section: Flat Section

Configuration/Leather Case Spring clip (17mm) Channel 5 Test/Area Scan (81x241x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 9.44 W/kg

Configuration/Leather Case Spring clip (17mm) Channel 5 Test/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

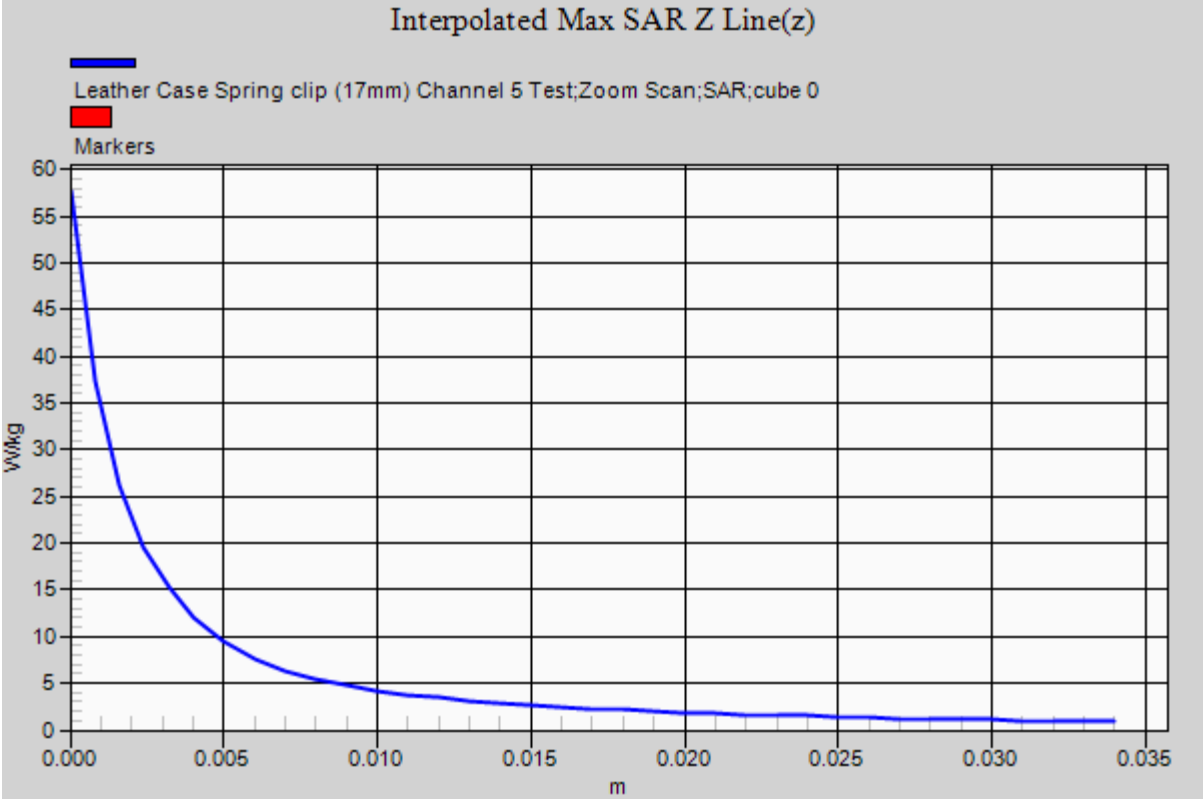
Reference Value = 65.671 V/m; Power Drift = -0.21 dB
Peak SAR (extrapolated) = 57.687 mW/g
SAR(1 g) = 12.3 mW/g
Maximum value of SAR (measured) = 11.7 W/kg



0 dB = 9.44 W/kg = 19.50 dB W/kg

SAR MEASUREMENT PLOT 35

Ambient Temperature	**20.5 Degrees Celsius**
Liquid Temperature	**20.1 Degrees Celsius**
Humidity	**50.0 %**



Test Date: 18 December 2012
File Name: M120922 150 MHz Body Worn Antenna 156 MHz High Capacity Battery 18-12-12.da52:0
DUT: Tait PTT Transceiver; Type: TPDB1A; Serial: 25385967

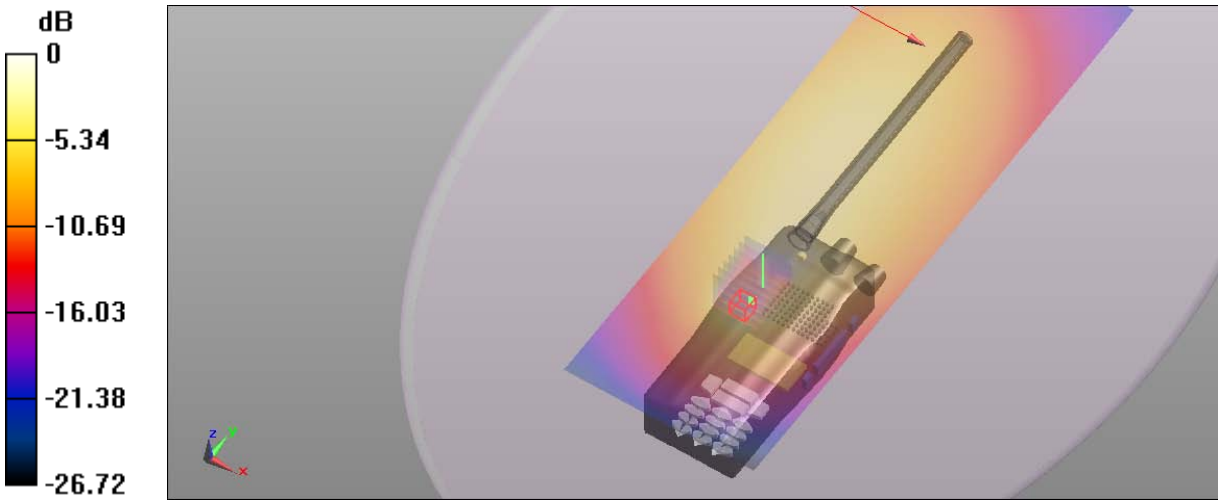
* Communication System: CW; Frequency: 156 MHz; Duty Cycle: 1:1
* Medium parameters used: f = 156 MHz; σ = 0.78 mho/m; ε_r = 62.008; ρ = 1000 kg/m^3
- Electronics: DAE3 Sn442; Probe: ET3DV6 - SN1380; ConvF(8.06, 8.06, 8.06); Calibrated: 10/12/2012
- Phantom: ELI 4.0; Serial: 1101; Phantom section: Flat Section

Configuration/Leather Case Spring clip (17mm) Channel 7 Test/Area Scan (81x241x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 4.36 W/kg

Configuration/Leather Case Spring clip (17mm) Channel 7 Test/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

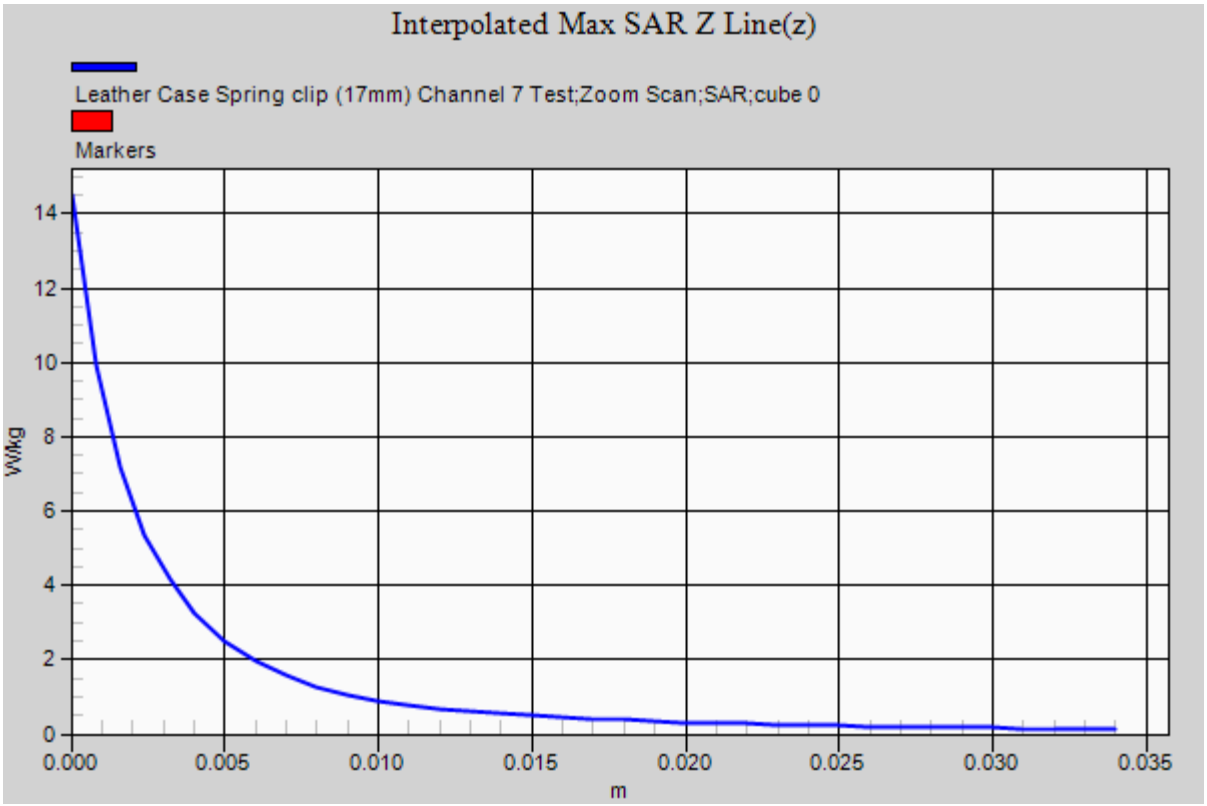
Reference Value = 47.760 V/m; Power Drift = 0.14 dB
Peak SAR (extrapolated) = 14.505 mW/g
SAR(1 g) = 3.44 mW/g
Maximum value of SAR (measured) = 10.6 W/kg



0 dB = 4.36 W/kg = 12.79 dB W/kg

SAR MEASUREMENT PLOT 36

Ambient Temperature	**19.7 Degrees Celsius**
Liquid Temperature	**19.6 Degrees Celsius**
Humidity	**50.0 %**



Test Date: 18 December 2012
File Name: M120922 150 MHz Body Worn Antenna 156 MHz High Capacity Battery 18-12-12.da52:0
DUT: Tait PTT Transceiver; Type: TPDB1A; Serial: 25385967

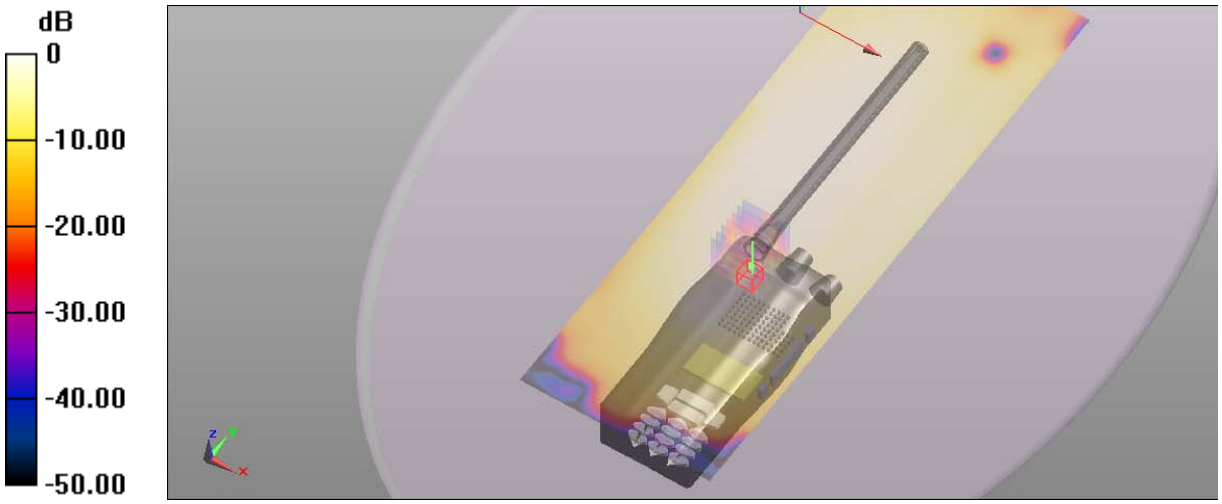
* Communication System: CW; Frequency: 162 MHz; Duty Cycle: 1:1
* Medium parameters used: f = 162 MHz; σ = 0.787 mho/m; ε_r = 61.884; ρ = 1000 kg/m^3
- Electronics: DAE3 Sn442; Probe: ET3DV6 - SN1380; ConvF(8.06, 8.06, 8.06); Calibrated: 10/12/2012
- Phantom: ELI 4.0; Serial: 1101; Phantom section: Flat Section

Configuration/Leather Case Spring clip (17mm) Channel 8 Test/Area Scan (81x241x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.489 W/kg

Configuration/Leather Case Spring clip (17mm) Channel 8 Test/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

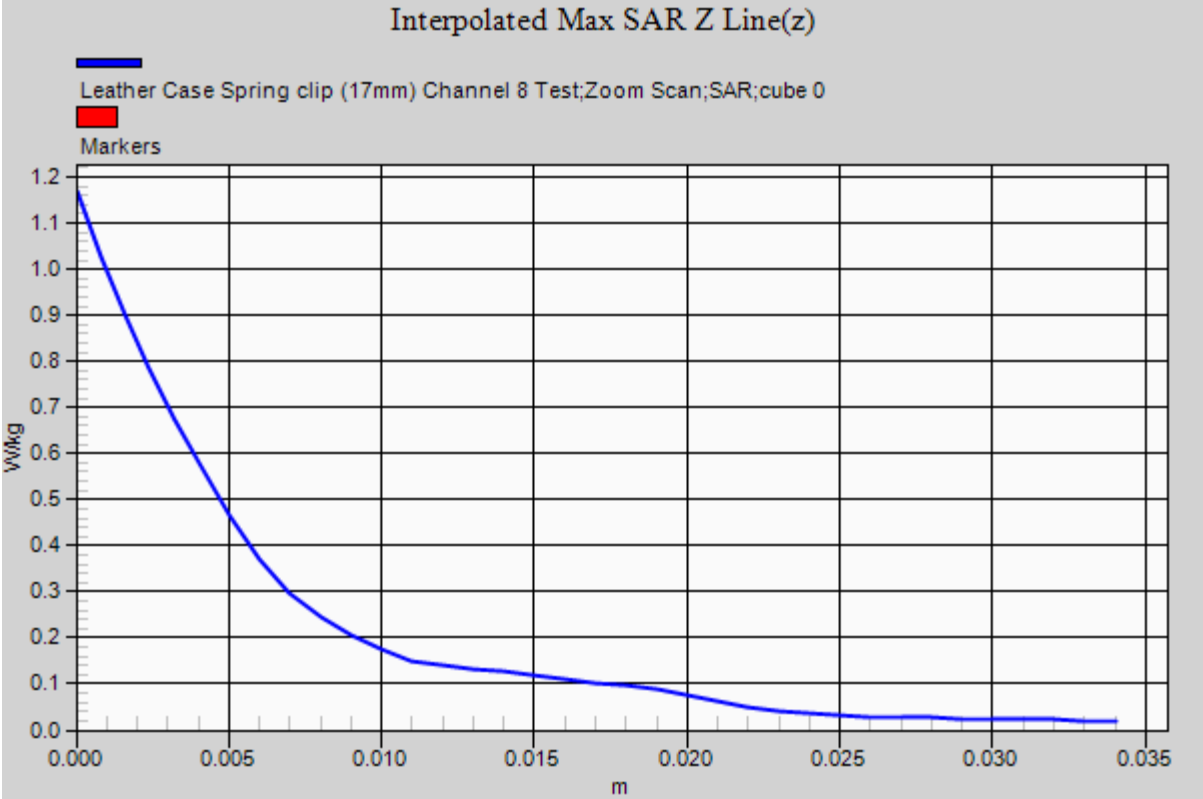
Reference Value = 26.243 V/m; Power Drift = -0.19 dB
Peak SAR (extrapolated) = 1.170 mW/g
SAR(1 g) = 0.416 mW/g
Maximum value of SAR (measured) = 0.628 W/kg



0 dB = 0.489 W/kg = -6.21 dB W/kg

SAR MEASUREMENT PLOT 37

Ambient Temperature	**19.7 Degrees Celsius**
Liquid Temperature	**19.6 Degrees Celsius**
Humidity	**50.0 %**



Test Date: 17 October 2012
File Name: M120922 150 MHz Body Worn Antenna High Capacity Battery 168 MHz 17-10-12.da52:0
DUT: Tait PTT Transceiver; Type: TPDB1A; Serial: 25385967

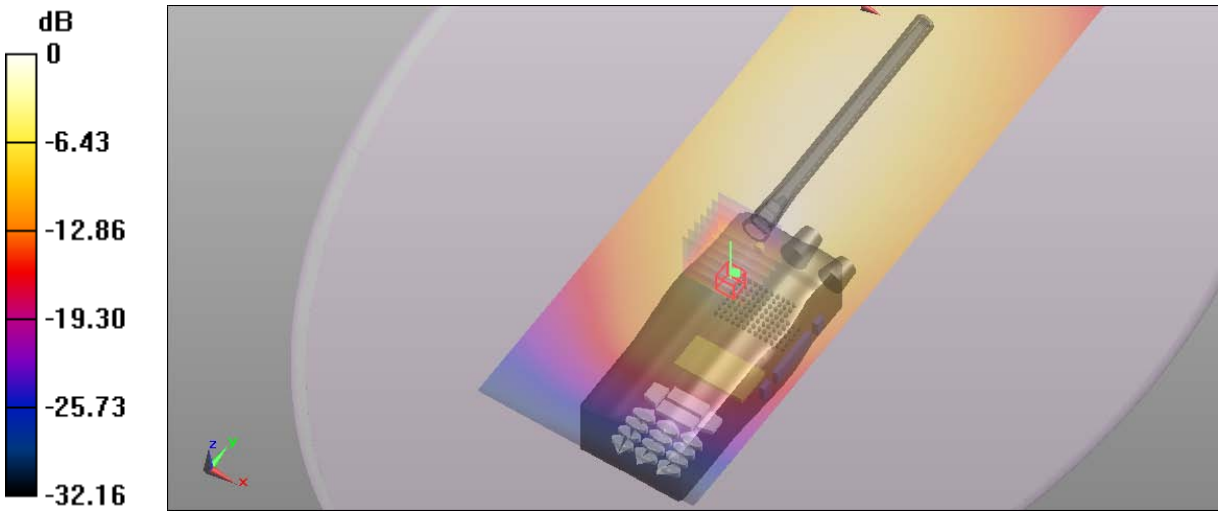
* Communication System: CW; Frequency: 162 MHz; Duty Cycle: 1:1
* Medium parameters used: f = 162 MHz; σ = 0.824 mho/m; ε_r = 61.671; ρ = 1000 kg/m^3
- Electronics: DAE3 Sn442; Probe: ET3DV6 - SN1380; ConvF(8.02, 8.02, 8.02); Calibrated: 12/12/2011
- Phantom: ELI 4.0; Serial: 1101; Phantom section: Flat Section

Configuration/Leather Case Spring clip (17mm) Channel 8 Test/Area Scan (81x241x1): 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) Channel 8 Test/Zoom Scan (8x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

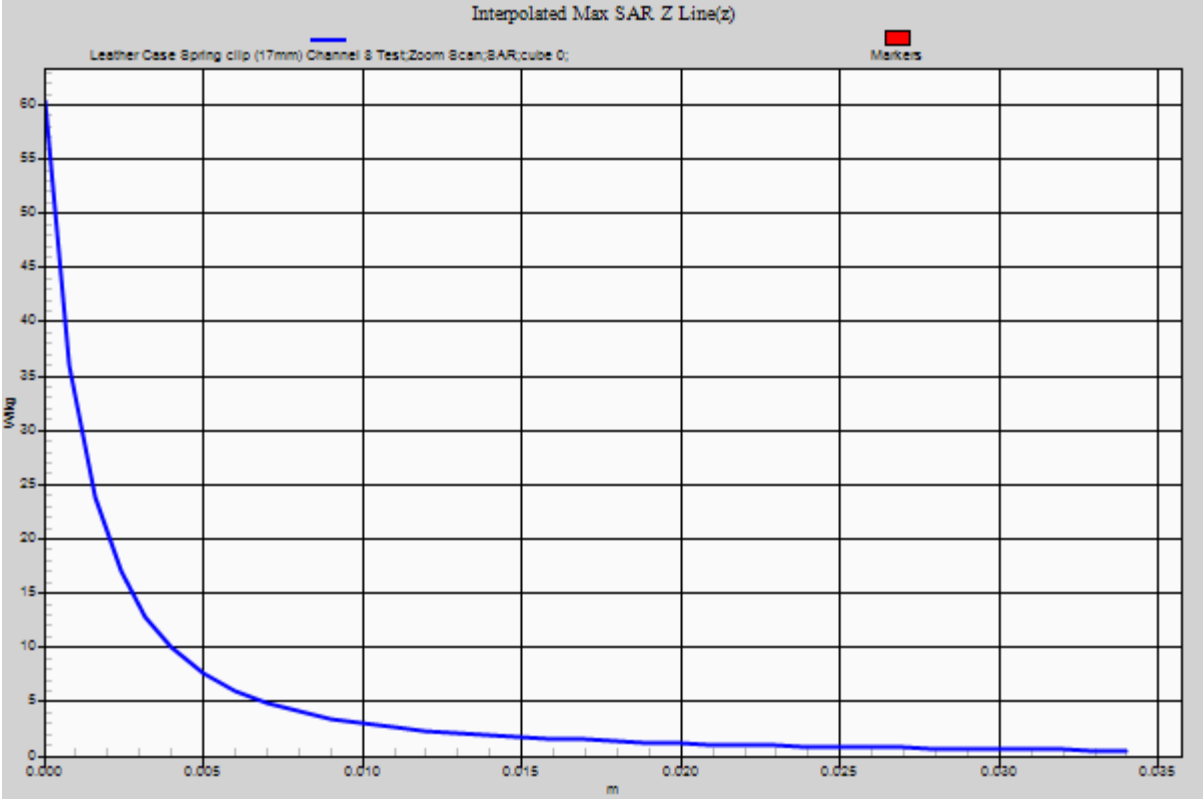
Reference Value = 70.440 V/m; Power Drift = -0.18 dB
Peak SAR (extrapolated) = 60.390 mW/g
SAR(1 g) = 11.5 mW/g
Maximum value of SAR (measured) = 9.96 W/kg



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

SAR MEASUREMENT PLOT 38

Ambient Temperature	**20.8 Degrees Celsius**
Liquid Temperature	**20.3 Degrees Celsius**
Humidity	**41.0%**



Test Date: 19 December 2012
File Name: M120922 150 MHz Body Worn Antenna 168 MHz High Capacity Battery 19-12-12.da52:0
DUT: Tait PTT Transceiver; Type: TPDB1A; Serial: 25385967

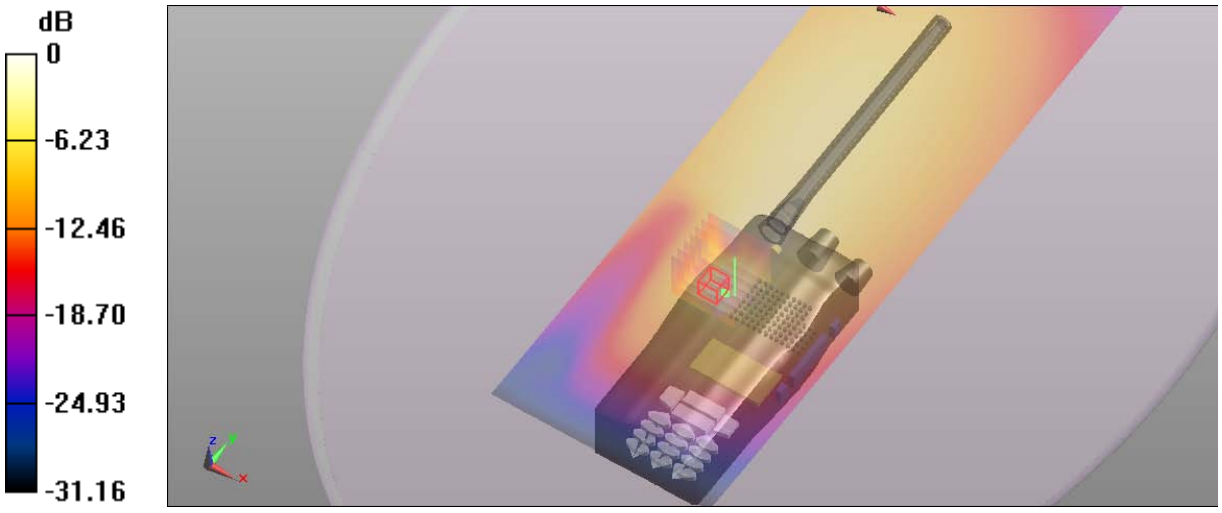
* Communication System: CW; Frequency: 173 MHz; Duty Cycle: 1:1
* Medium parameters used: f = 172 MHz; σ = 0.802 mho/m; ε_r = 61.172; ρ = 1000 kg/m^3
- Electronics: DAE3 Sn442; Probe: ET3DV6 - SN1380; ConvF(8.06, 8.06, 8.06); Calibrated: 10/12/2012
- Phantom: ELI 4.0; Serial: 1101; Phantom section: Flat Section

Configuration/Leather Case Spring clip (17mm) Channel 13 Test/Area Scan (81x241x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 2.01 W/kg

Configuration/Leather Case Spring clip (17mm) Channel 13 Test/Zoom Scan (8x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

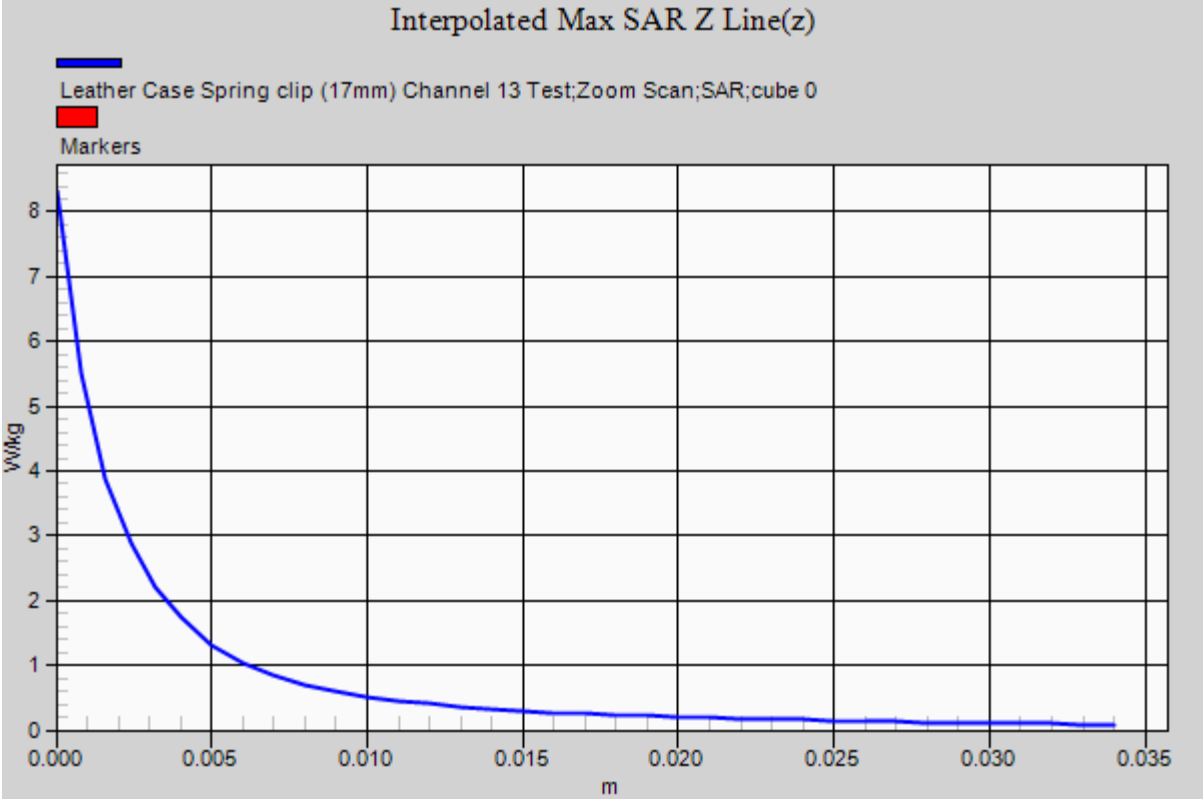
Reference Value = 28.149 V/m; Power Drift = -0.11 dB
Peak SAR (extrapolated) = 8.324 mW/g
SAR(1 g) = 1.44 mW/g
Maximum value of SAR (measured) = 1.64 W/kg



0 dB = 2.01 W/kg = 6.06 dB W/kg

SAR MEASUREMENT PLOT 39

Ambient Temperature	**20.5 Degrees Celsius**
Liquid Temperature	**20.1 Degrees Celsius**
Humidity	**50.0 %**



Test Date: 19 December 2012
File Name: M120922 150 MHz Body Worn Antenna 168 MHz High Capacity Battery 19-12-12.da52:0
DUT: Tait PTT Transceiver; Type: TPDB1A; Serial: 25385967

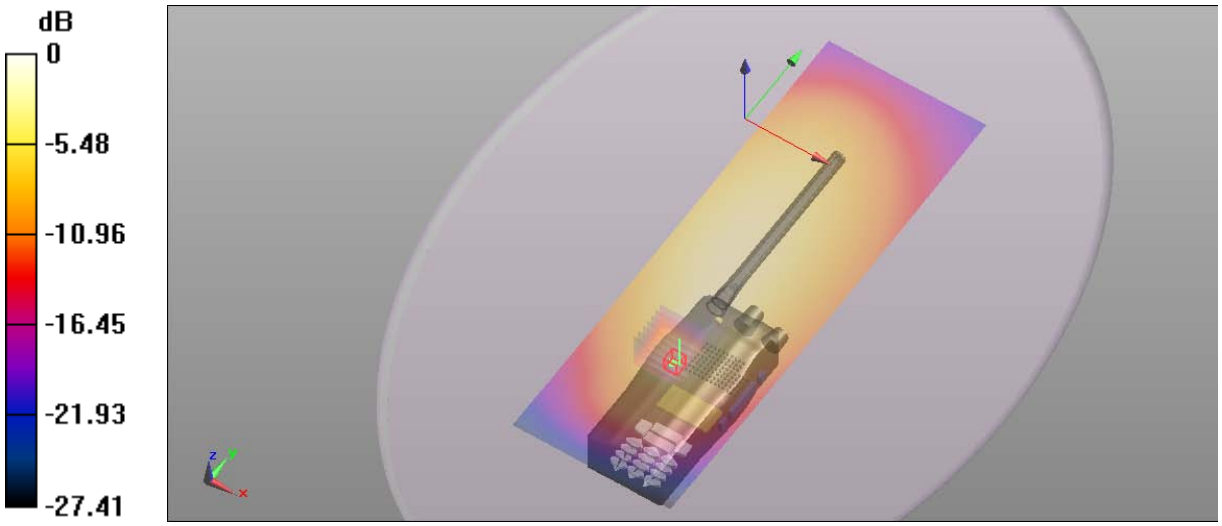
* Communication System: CW; Frequency: 168 MHz; Duty Cycle: 1:1
* Medium parameters used: f = 168 MHz; σ = 0.798 mho/m; ε_r = 61.215; ρ = 1000 kg/m^3
- Electronics: DAE3 Sn442; Probe: ET3DV6 - SN1380; ConvF(8.06, 8.06, 8.06); Calibrated: 10/12/2012
- Phantom: ELI 4.0; Serial: 1101; Phantom section: Flat Section

Configuration/Leather Case Spring clip (17mm) Channel 10 Test/Area Scan (81x241x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 1.93 W/kg

Configuration/Leather Case Spring clip (17mm) Channel 10 Test/Zoom Scan (8x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

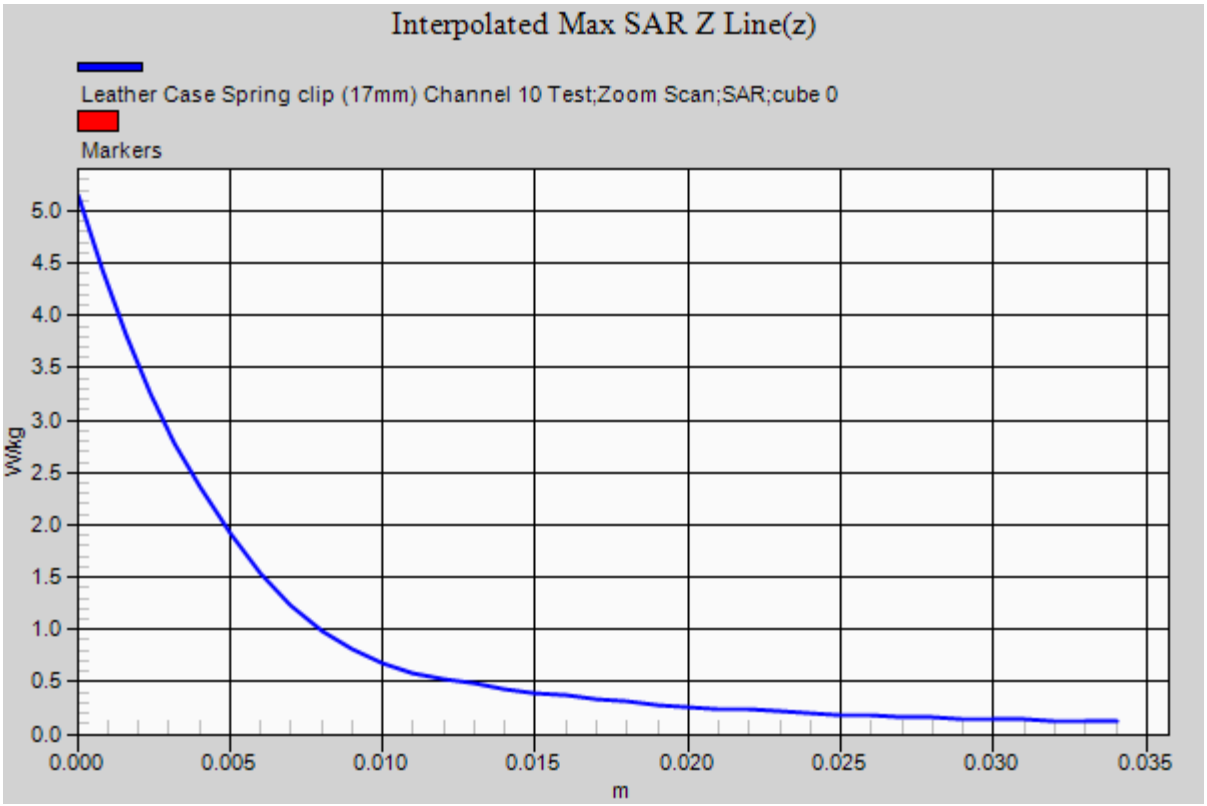
Reference Value = 33.134 V/m; Power Drift = -0.08 dB
Peak SAR (extrapolated) = 5.153 mW/g
SAR(1 g) = 2.05 mW/g
Maximum value of SAR (measured) = 2.33 W/kg



0 dB = 1.93 W/kg = 5.71 dB W/kg

SAR MEASUREMENT PLOT 40

Ambient Temperature	**20.5 Degrees Celsius**
Liquid Temperature	**20.1 Degrees Celsius**
Humidity	**50.0 %**



Test Date: 19 December 2012
File Name: M120922 150 MHz Body Worn Antenna Wideband High Capacity Battery 19-12-12.da52:0
DUT: Tait PTT Transceiver; Type: TPDB1A; Serial: 25385967

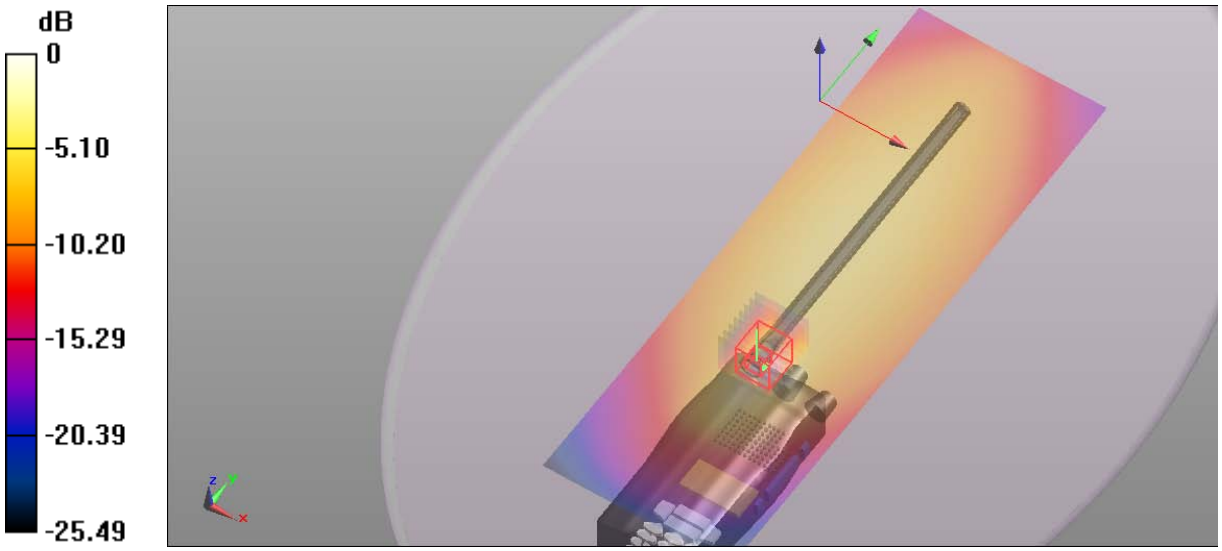
* Communication System: CW; Frequency: 150 MHz; Duty Cycle: 1:1
* Medium parameters used: f = 150 MHz; σ = 0.785 mho/m; ε_r = 61.949; ρ = 1000 kg/m^3
- Electronics: DAE3 Sn442; Probe: ET3DV6 - SN1380; ConvF(8.06, 8.06, 8.06); Calibrated: 10/12/2012
- Phantom: ELI 4.0; Serial: 1101; Phantom section: Flat Section

Configuration/Leather Case Spring clip (17mm) Channel 4 Test/Area Scan (81x241x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 3.29 W/kg

Configuration/Leather Case Spring clip (17mm) Channel 4 Test/Zoom Scan (8x8x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

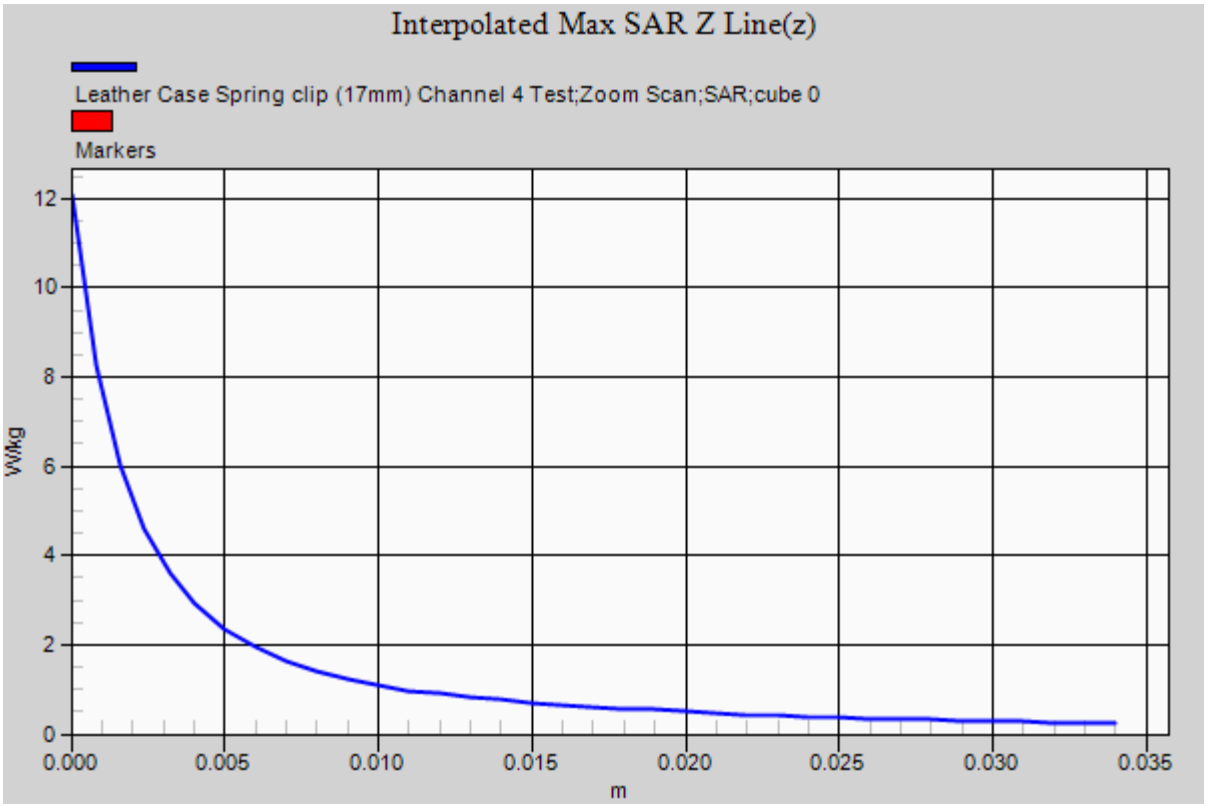
Reference Value = 36.780 V/m; Power Drift = -0.04 dB
Peak SAR (extrapolated) = 12.078 mW/g
SAR(1 g) = 2.71 mW/g; SAR(10 g) = 1.15 mW/g
Maximum value of SAR (measured) = 2.94 W/kg



0 dB = 3.29 W/kg = 10.34 dB W/kg

SAR MEASUREMENT PLOT 41

Ambient Temperature	**20.5 Degrees Celsius**
Liquid Temperature	**20.1 Degrees Celsius**
Humidity	**50.0 %**



Test Date: 19 December 2012
File Name: M120922 150 MHz Body Worn Antenna Wideband High Capacity Battery 19-12-12.da52:0
DUT: Tait PTT Transceiver; Type: TPDB1A; Serial: 25385967

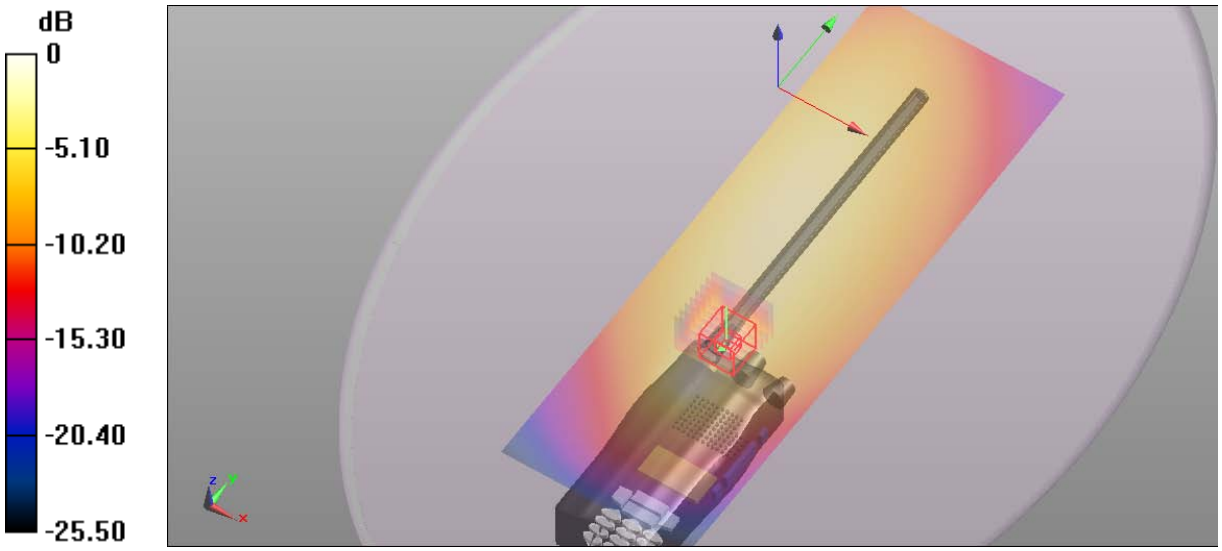
* Communication System: CW; Frequency: 151 MHz; Duty Cycle: 1:1
* Medium parameters used: f = 150 MHz; σ = 0.785 mho/m; ε_r = 61.949; ρ = 1000 kg/m^3
- Electronics: DAE3 Sn442; Probe: ET3DV6 - SN1380; ConvF(8.06, 8.06, 8.06); Calibrated: 10/12/2012
- Phantom: ELI 4.0; Serial: 1101; Phantom section: Flat Section

Configuration/Leather Case Spring clip (17mm) Channel 5 Test/Area Scan (81x241x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 2.09 W/kg

Configuration/Leather Case Spring clip (17mm) Channel 5 Test/Zoom Scan (9x8x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

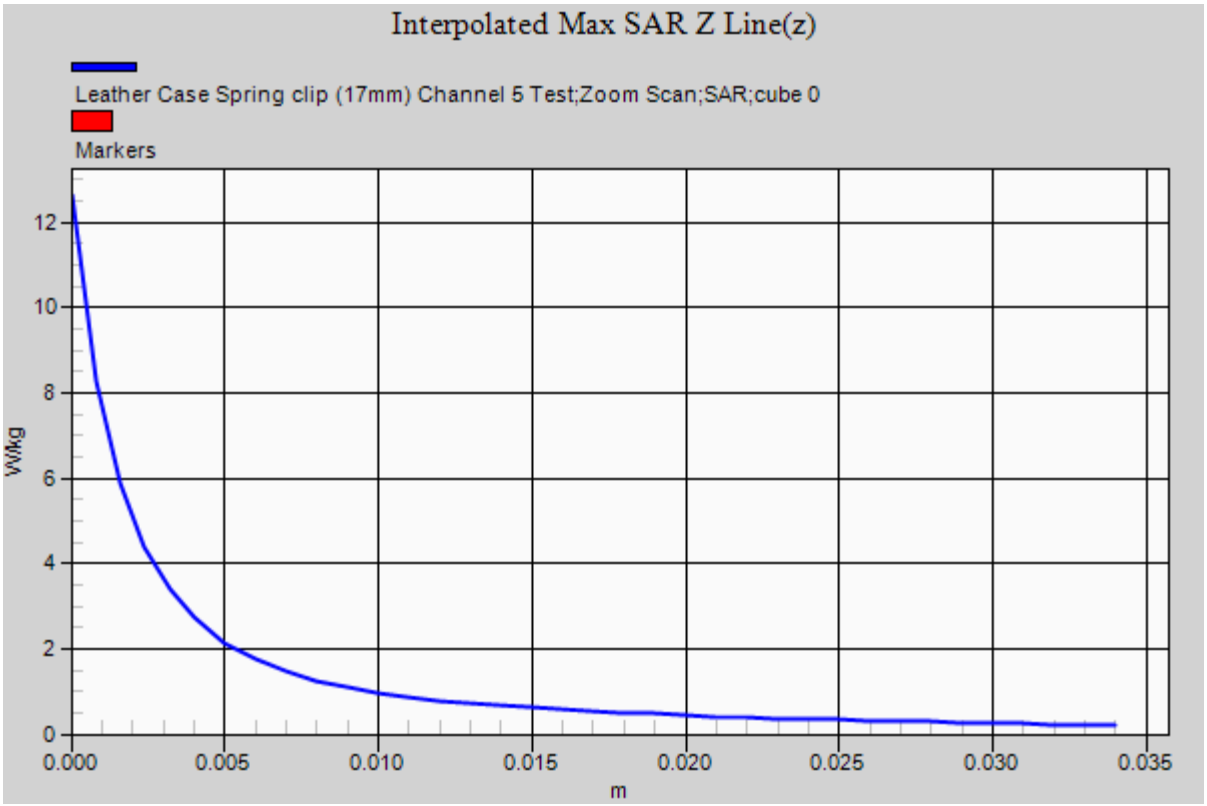
Reference Value = 34.805 V/m; Power Drift = 0.09 dB
Peak SAR (extrapolated) = 12.639 mW/g
SAR(1 g) = 2.58 mW/g; SAR(10 g) = 1.03 mW/g
Maximum value of SAR (measured) = 2.53 W/kg



0 dB = 2.09 W/kg = 6.40 dB W/kg

SAR MEASUREMENT PLOT 42

Ambient Temperature	**20.5 Degrees Celsius**
Liquid Temperature	**20.1 Degrees Celsius**
Humidity	**50.0 %**



Test Date: 10 January 2013
File Name: M120922 150 MHz Body Worn Antenna 156 MHz HC Battery Alternative Audio Acessories 10-01-13.da52:0
DUT: Tait PTT Transceiver; Type: TPDB1A; Serial: 25385967

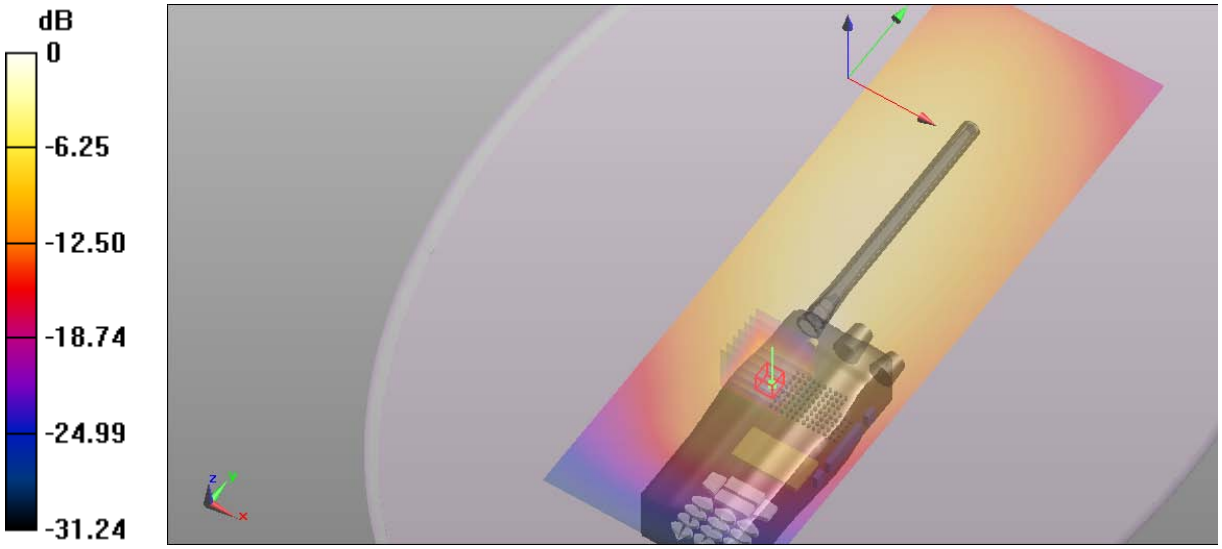
* Communication System: CW; Frequency: 151 MHz; Duty Cycle: 1:1
* Medium parameters used: f = 150 MHz; σ = 0.765 mho/m; ε_r = 61.772; ρ = 1000 kg/m^3
- Electronics: DAE3 Sn442; Probe: ET3DV6 - SN1380; ConvF(8.06, 8.06, 8.06); Calibrated: 10/12/2012
- Phantom: ELI 4.0; Serial: 1101; Phantom section: Flat Section

Configuration/Leather Case Spring clip (17mm) DEAA Audio Accessory Channel 5 Test/Area Scan (81x241x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 8.46 W/kg

Configuration/Leather Case Spring clip (17mm) DEAA Audio Accessory Channel 5 Test/Zoom Scan (8x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

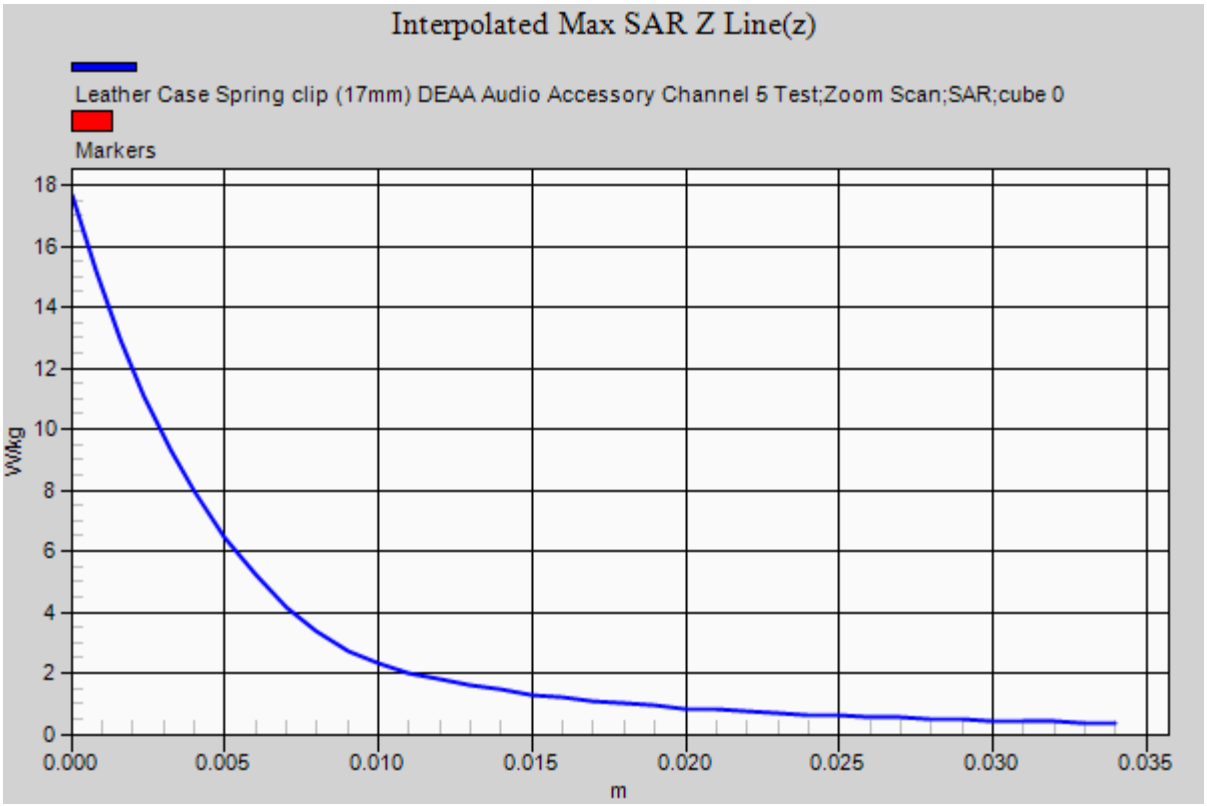
Reference Value = 60.047 V/m; Power Drift = 0.03 dB
Peak SAR (extrapolated) = 17.683 mW/g
SAR(1 g) = 7.07 mW/g
Maximum value of SAR (measured) = 7.85 W/kg



0 dB = 8.46 W/kg = 18.55 dB W/kg

SAR MEASUREMENT PLOT 43

Ambient Temperature	**20.1 Degrees Celsius**
Liquid Temperature	**19.8 Degrees Celsius**
Humidity	**47.0 %**



Test Date: 10 January 2013
File Name: M120922 150 MHz Body Worn Antenna 156 MHz HC Battery Alternative Audio Acessories 10-01-13.da52:0
DUT: Tait PTT Transceiver; Type: TPDB1A; Serial: 25385967

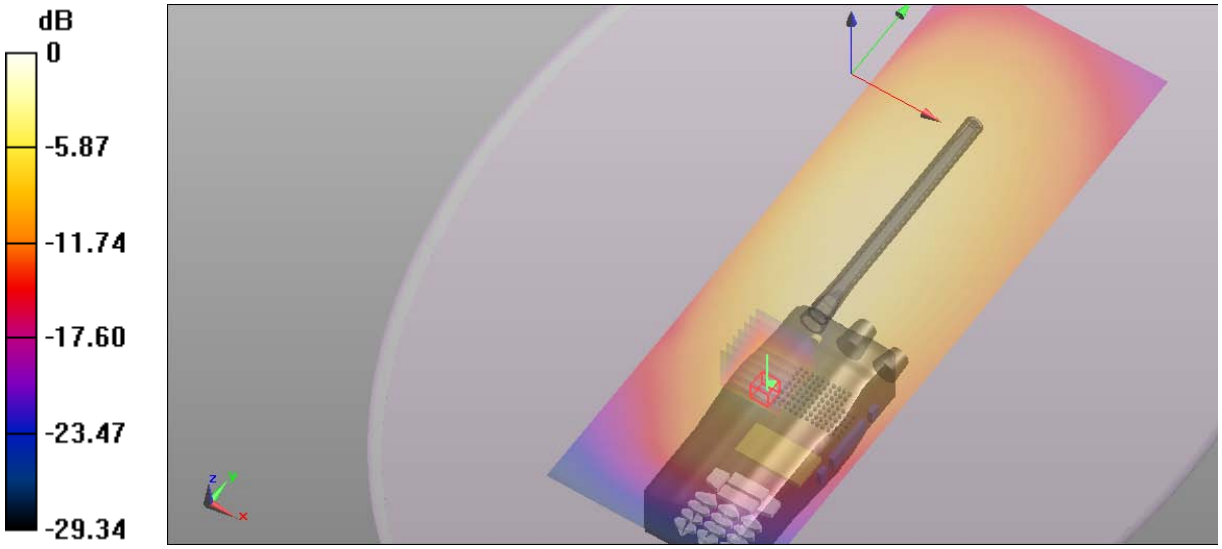
* Communication System: CW; Frequency: 156 MHz; Duty Cycle: 1:1
* Medium parameters used: f = 156 MHz; σ = 0.768 mho/m; ε_r = 61.341; ρ = 1000 kg/m^3
- Electronics: DAE3 Sn442; Probe: ET3DV6 - SN1380; ConvF(8.06, 8.06, 8.06); Calibrated: 10/12/2012
- Phantom: ELI 4.0; Serial: 1101; Phantom section: Flat Section

Configuration/Leather Case Spring clip (17mm) DEAA Audio Accessory Channel 7 Test/Area Scan (81x241x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 3.80 W/kg

Configuration/Leather Case Spring clip (17mm) DEAA Audio Accessory Channel 7 Test/Zoom Scan (8x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

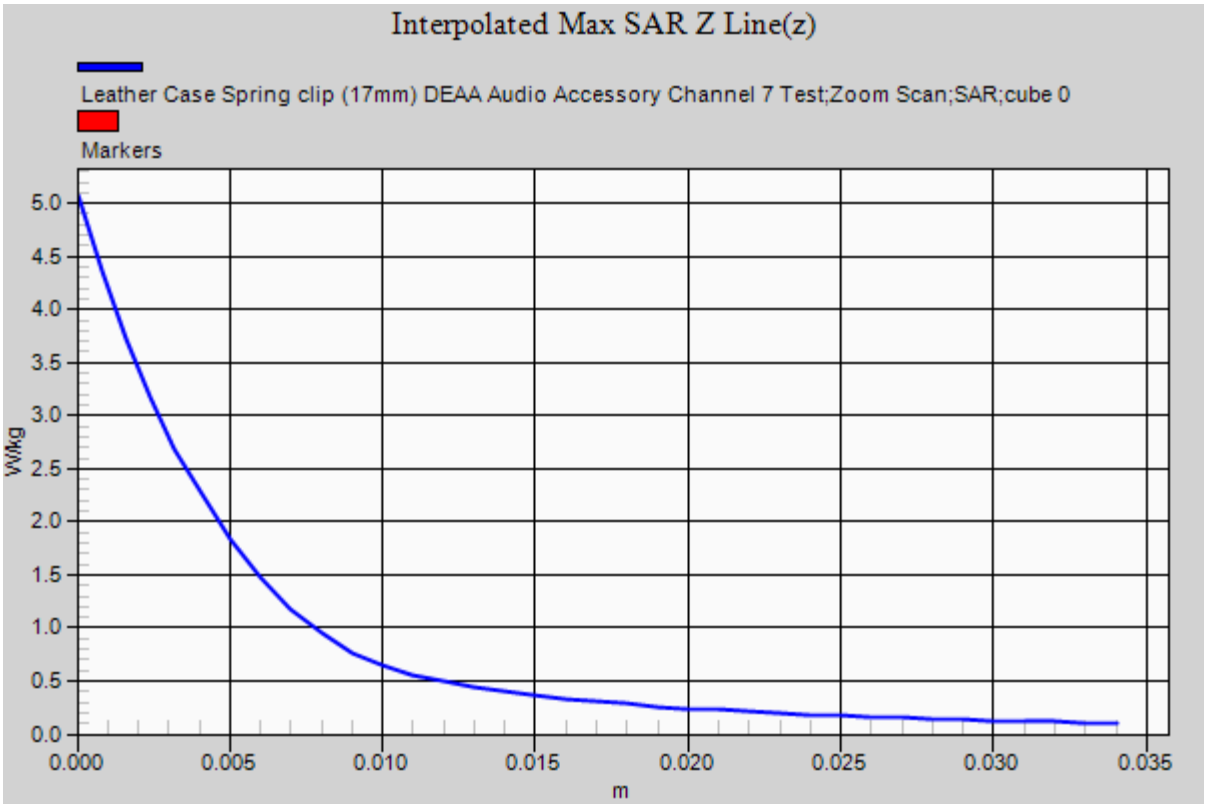
Reference Value = 31.521 V/m; Power Drift = -0.06 dB
Peak SAR (extrapolated) = 5.079 mW/g
SAR(1 g) = 1.97 mW/g
Maximum value of SAR (measured) = 2.25 W/kg



0 dB = 3.80 W/kg = 11.60 dB W/kg

SAR MEASUREMENT PLOT 44

Ambient Temperature	**20.1 Degrees Celsius**
Liquid Temperature	**19.8 Degrees Celsius**
Humidity	**47.0 %**



Test Date: 10 January 2013
File Name: M120922 150 MHz Body Worn Antenna 156 MHz HC Battery Alternative Audio Acessories 10-01-13.da52:0
DUT: Tait PTT Transceiver; Type: TPDB1A; Serial: 25385967

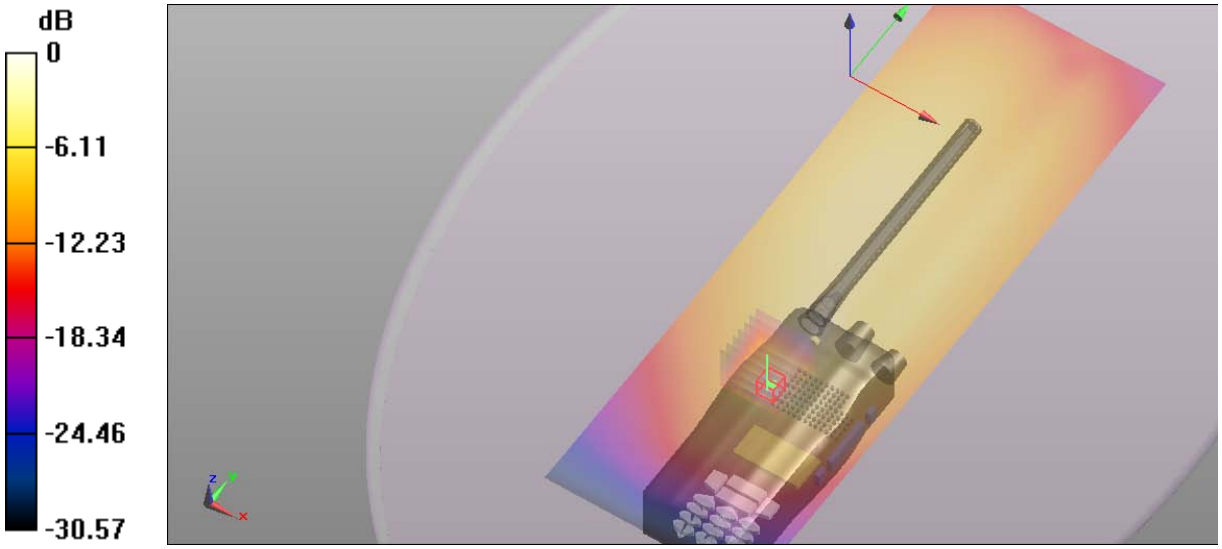
* Communication System: CW; Frequency: 162 MHz; Duty Cycle: 1:1
* Medium parameters used: f = 162 MHz; σ = 0.772 mho/m; ε_r = 61.419; ρ = 1000 kg/m^3
- Electronics: DAE3 Sn442; Probe: ET3DV6 - SN1380; ConvF(8.06, 8.06, 8.06); Calibrated: 10/12/2012
- Phantom: ELI 4.0; Serial: 1101; Phantom section: Flat Section

Configuration/Leather Case Spring clip (17mm) DEAA Audio Accessory Channel 8 Test/Area Scan (81x241x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.731 W/kg

Configuration/Leather Case Spring clip (17mm) DEAA Audio Accessory Channel 8 Test/Zoom Scan (8x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

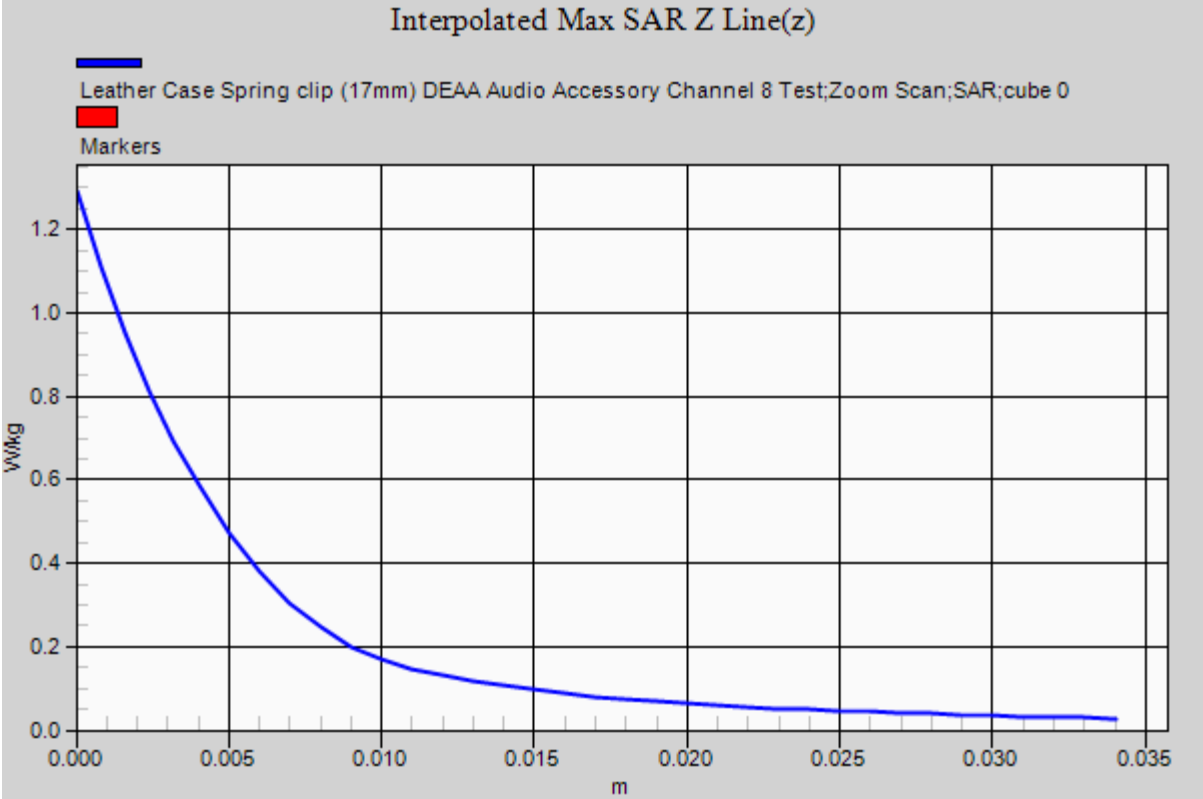
Reference Value = 17.716 V/m; Power Drift = -0.05 dB
Peak SAR (extrapolated) = 1.293 mW/g
SAR(1 g) = 0.514 mW/g
Maximum value of SAR (measured) = 0.569 W/kg



0 dB = 0.731 W/kg = -2.72 dB W/kg

SAR MEASUREMENT PLOT 45

Ambient Temperature	**20.1 Degrees Celsius**
Liquid Temperature	**19.8 Degrees Celsius**
Humidity	**47.0 %**



Test Date: 11 January 2013
File Name: M120922 150 MHz Body Worn Antenna 168 MHz HC Batt Audio Accessories 11-01-13.da52:0
DUT: Tait PTT Transceiver; Type: TPDB1A; Serial: 25385967

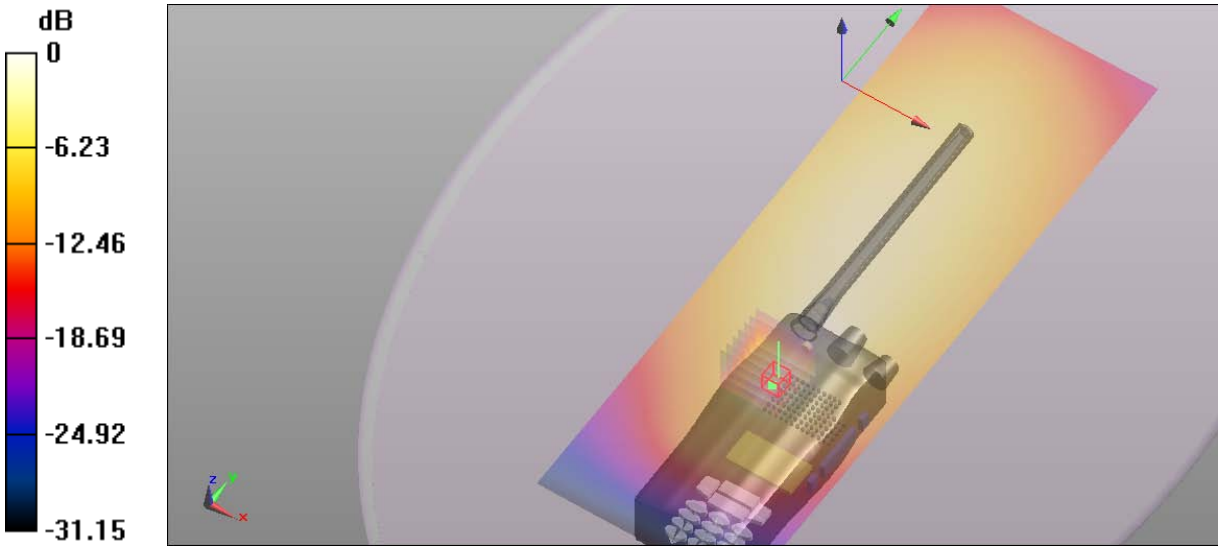
* Communication System: CW; Frequency: 162 MHz; Duty Cycle: 1:1
* Medium parameters used: f = 162 MHz; σ = 0.781 mho/m; ε_r = 61.548; ρ = 1000 kg/m^3
- Electronics: DAE3 Sn442; Probe: ET3DV6 - SN1380; ConvF(8.06, 8.06, 8.06); Calibrated: 10/12/2012
- Phantom: ELI 4.0; Serial: 1101; Phantom section: Flat Section

Configuration/Leather Case Spring Clip DEAA (17mm) Channel 8 Test/Area Scan (81x241x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 9.23 W/kg

Configuration/Leather Case Spring Clip DEAA (17mm) Channel 8 Test/Zoom Scan (8x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

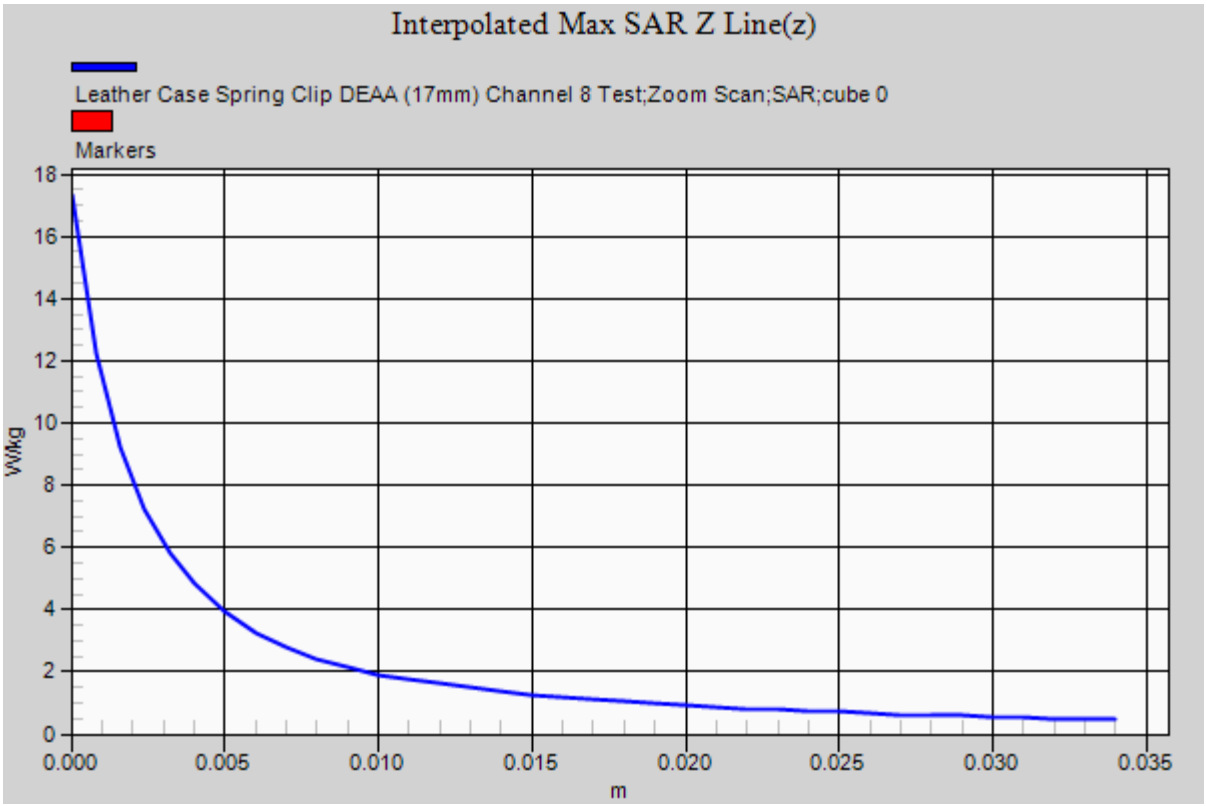
Reference Value = 67.399 V/m; Power Drift = -0.04 dB
Peak SAR (extrapolated) = 17.327 mW/g
SAR(1 g) = 5.41 mW/g
Maximum value of SAR (measured) = 5.16 W/kg



0 dB = 9.23 W/kg = 19.30 dB W/kg

SAR MEASUREMENT PLOT 46

Ambient Temperature	**20.0 Degrees Celsius**
Liquid Temperature	**19.6 Degrees Celsius**
Humidity	**42.0 %**



Test Date: 17 October 2012
File Name: M120922 150 MHz Body Worn Antenna Alternative Audio Acessories 168 MHz 17-10-12.da52:0
DUT: Tait PTT Transceiver; Type: TPDB1A; Serial: 25385967

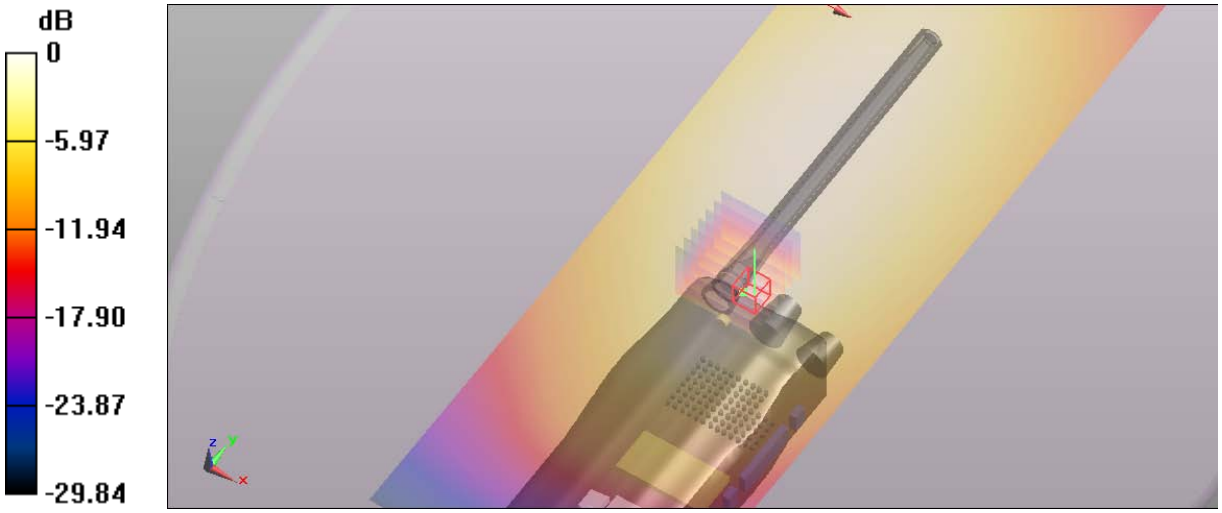
* Communication System: CW; Frequency: 162 MHz; Duty Cycle: 1:1
* Medium parameters used: f = 162 MHz; σ = 0.824 mho/m; ε_r = 61.671; ρ = 1000 kg/m^3
- Electronics: DAE3 Sn442; Probe: ET3DV6 - SN1380; ConvF(8.02, 8.02, 8.02); Calibrated: 12/12/2011
- Phantom: ELI 4.0; Serial: 1101; Phantom section: Flat Section

Configuration/Leather Case Spring Clip (17mm) DEAA Audio Accessory Channel 8 Test/Area Scan (81x241x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 6.07 W/kg

Configuration/Leather Case Spring Clip (17mm) DEAA Audio Accessory Channel 8 Test/Zoom Scan (8x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

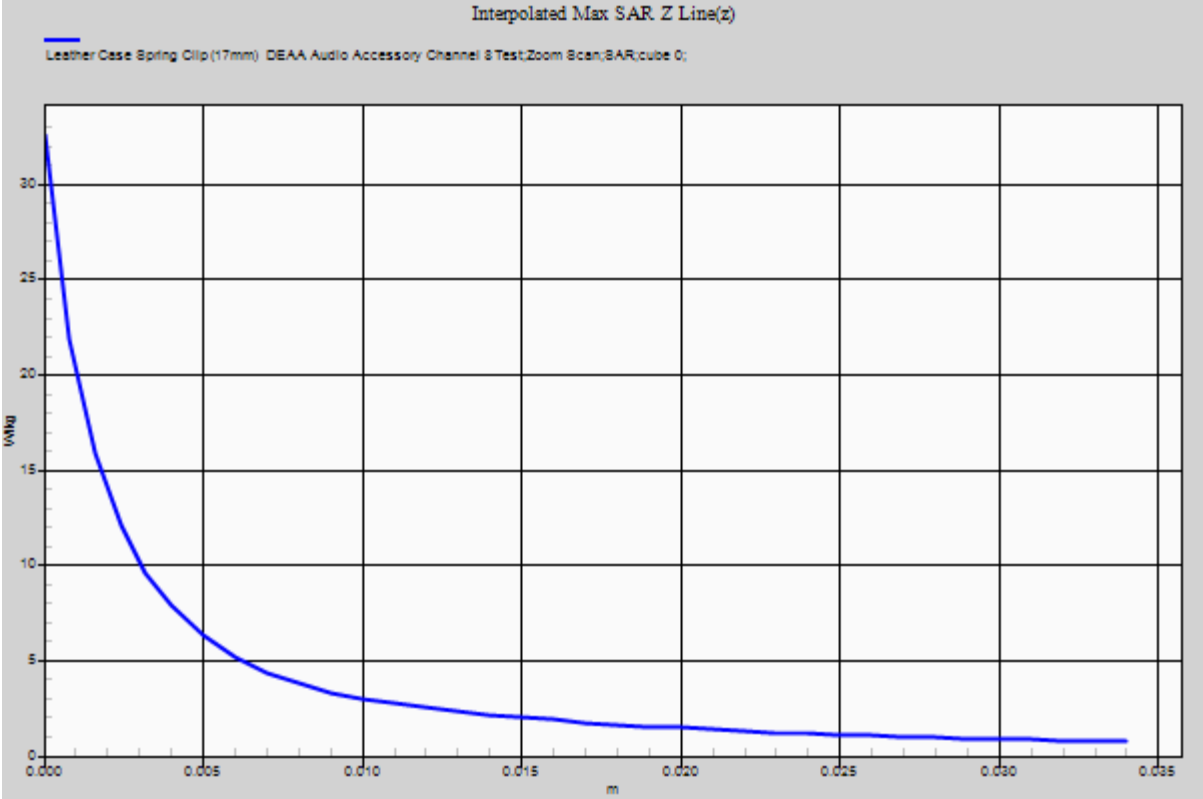
Reference Value = 66.860 V/m; Power Drift = -0.21 dB
Peak SAR (extrapolated) = 32.609 mW/g
SAR(1 g) = 7.96 mW/g
Maximum value of SAR (measured) = 7.69 W/kg



0 dB = 6.07 W/kg = 15.66 dB W/kg

SAR MEASUREMENT PLOT 47

Ambient Temperature	**20.8 Degrees Celsius**
Liquid Temperature	**20.3 Degrees Celsius**
Humidity	**41.0%**



Test Date: 11 January 2013
File Name: M120922 150 MHz Body Worn Antenna 168 MHz Audio Accessories 11-01-13.da52:0
DUT: Tait PTT Transceiver; Type: TPDB1A; Serial: 25385967

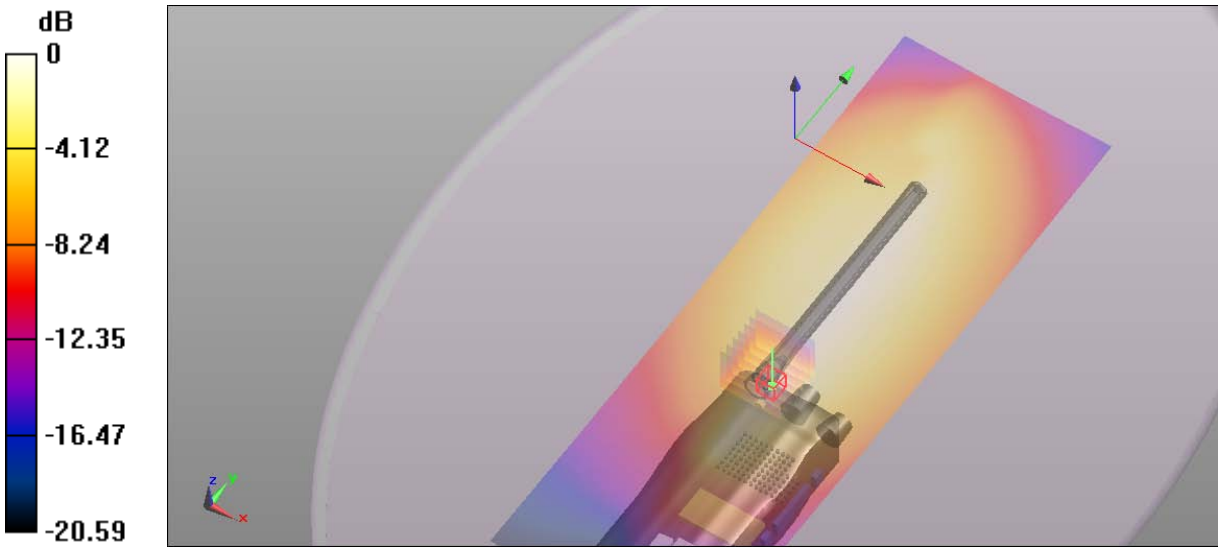
* Communication System: CW; Frequency: 168 MHz; Duty Cycle: 1:1
* Medium parameters used: f = 168 MHz; σ = 0.786 mho/m; ε_r = 61.26; ρ = 1000 kg/m^3
- Electronics: DAE3 Sn442; Probe: ET3DV6 - SN1380; ConvF(8.06, 8.06, 8.06); Calibrated: 10/12/2012
- Phantom: ELI 4.0; Serial: 1101; Phantom section: Flat Section

Configuration/Leather Case Spring Clip DEAA (17mm) Channel 10 Test/Area Scan (81x241x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.626 W/kg

Configuration/Leather Case Spring Clip DEAA (17mm) Channel 10 Test/Zoom Scan (8x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

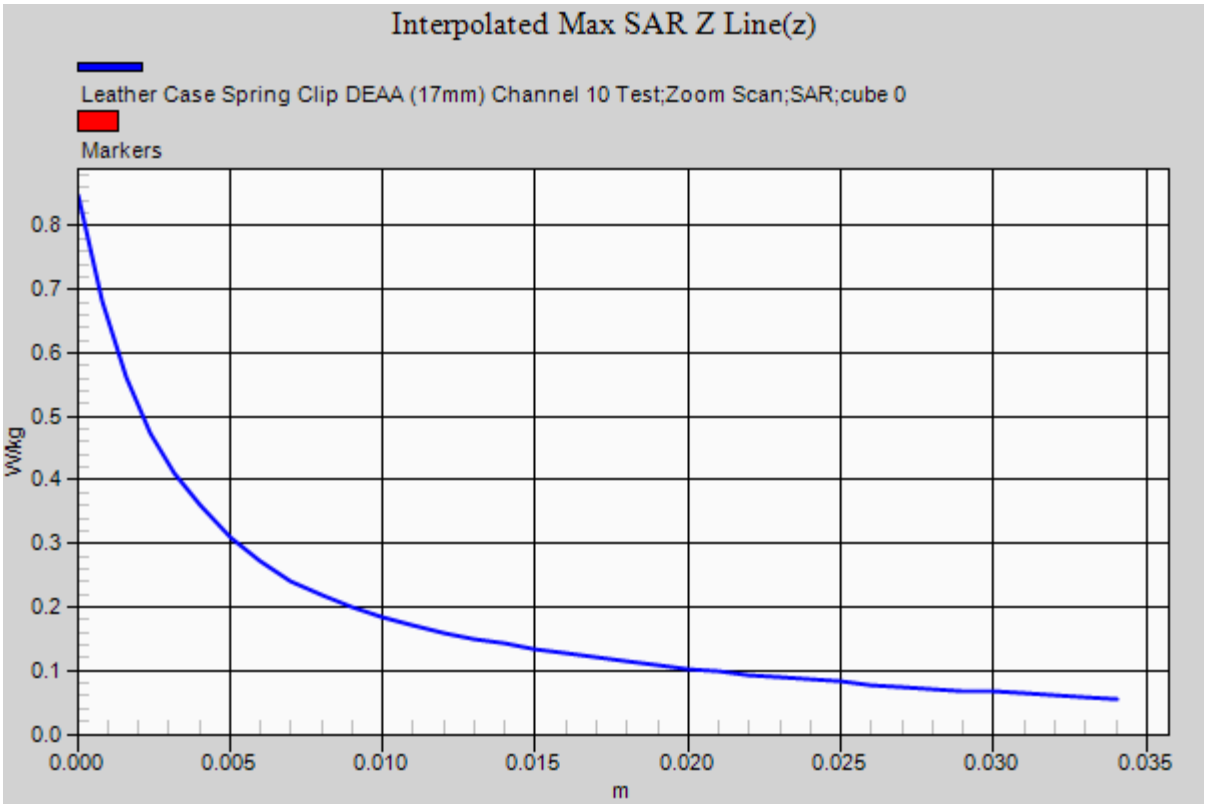
Reference Value = 19.892 V/m; Power Drift = 0.00 dB
Peak SAR (extrapolated) = 0.849 mW/g
SAR(1 g) = 0.350 mW/g
Maximum value of SAR (measured) = 0.366 W/kg



0 dB = 0.626 W/kg = -4.07 dB W/kg

SAR MEASUREMENT PLOT 48

Ambient Temperature	**20.0 Degrees Celsius**
Liquid Temperature	**19.6 Degrees Celsius**
Humidity	**42.0 %**



Test Date: 11 January 2013
File Name: M120922 150 MHz Body Worn Antenna 168 MHz Audio Accessories 11-01-13.da52:0
DUT: Tait PTT Transceiver; Type: TPDB1A; Serial: 25385967

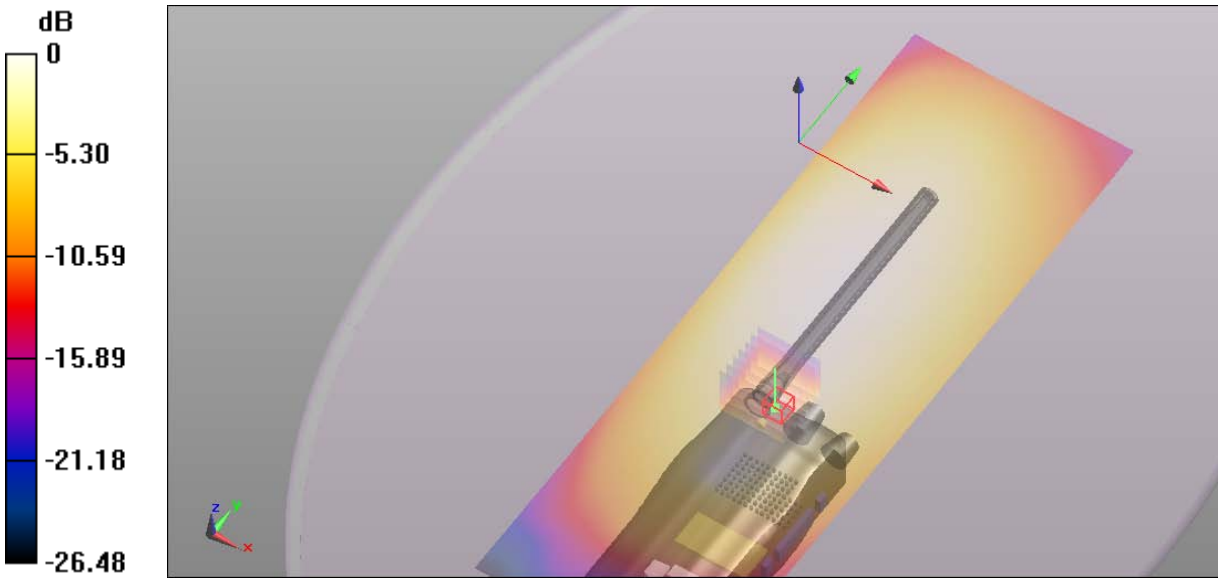
* Communication System: CW; Frequency: 173 MHz; Duty Cycle: 1:1
* Medium parameters used: f = 172 MHz; σ = 0.79 mho/m; ε_r = 61.12; ρ = 1000 kg/m^3
- Electronics: DAE3 Sn442; Probe: ET3DV6 - SN1380; ConvF(8.06, 8.06, 8.06); Calibrated: 10/12/2012
- Phantom: ELI 4.0; Serial: 1101; Phantom section: Flat Section

Configuration/Leather Case Spring Clip DEAA (17mm) Channel 13 Test/Area Scan (81x241x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.930 W/kg

Configuration/Leather Case Spring Clip DEAA (17mm) Channel 13 Test/Zoom Scan (8x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

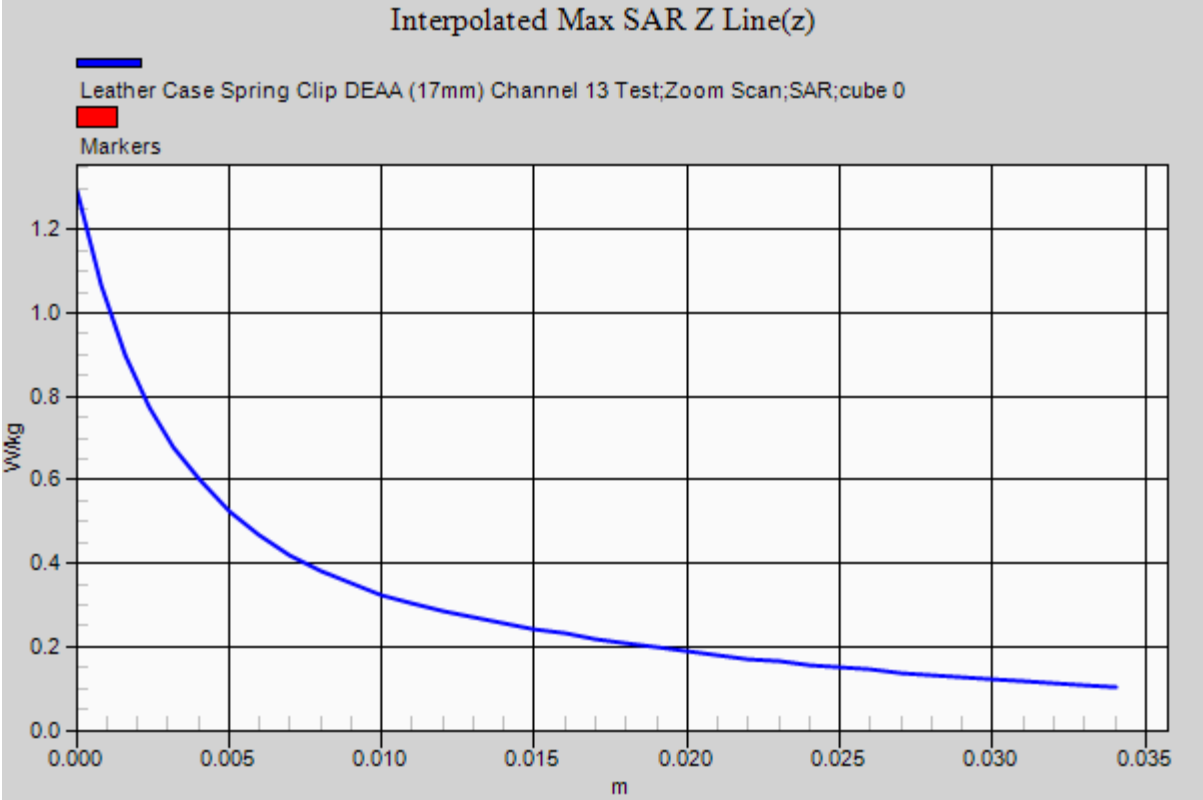
Reference Value = 26.378 V/m; Power Drift = -0.04 dB
Peak SAR (extrapolated) = 1.293 mW/g
SAR(1 g) = 0.583 mW/g
Maximum value of SAR (measured) = 0.602 W/kg



0 dB = 0.930 W/kg = -0.63 dB W/kg

SAR MEASUREMENT PLOT 49

Ambient Temperature	**20.0 Degrees Celsius**
Liquid Temperature	**19.6 Degrees Celsius**
Humidity	**42.0 %**



Test Date: 10 January 2013
File Name: M120922 150 MHz Body Worn Antenna 156 MHz HC Battery Alternative Audio Acessories 10-01-13.da52:0
DUT: Tait PTT Transceiver; Type: TPDB1A; Serial: 25385967

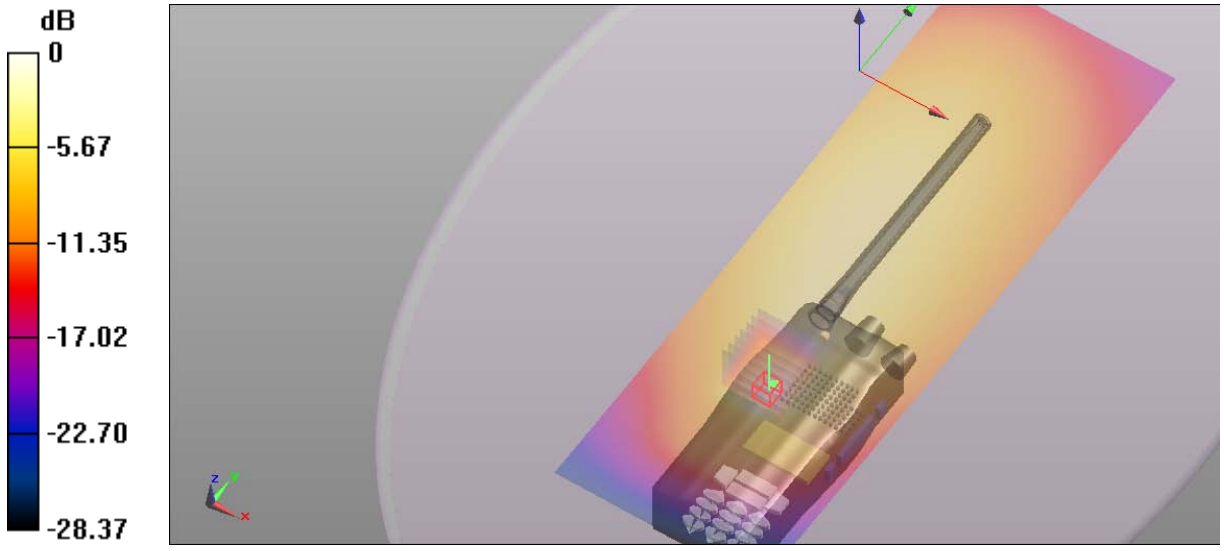
* Communication System: CW; Frequency: 151 MHz; Duty Cycle: 1:1
* Medium parameters used: f = 150 MHz; σ = 0.765 mho/m; ε_r = 61.772; ρ = 1000 kg/m^3
- Electronics: DAE3 Sn442; Probe: ET3DV6 - SN1380; ConvF(8.06, 8.06, 8.06); Calibrated: 10/12/2012
- Phantom: ELI 4.0; Serial: 1101; Phantom section: Flat Section

Configuration/Leather Case Spring clip (17mm) EFAA Audio Accessory Channel 5 Test/Area Scan (81x241x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 7.06 W/kg

Configuration/Leather Case Spring clip (17mm) EFAA Audio Accessory Channel 5 Test/Zoom Scan (8x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

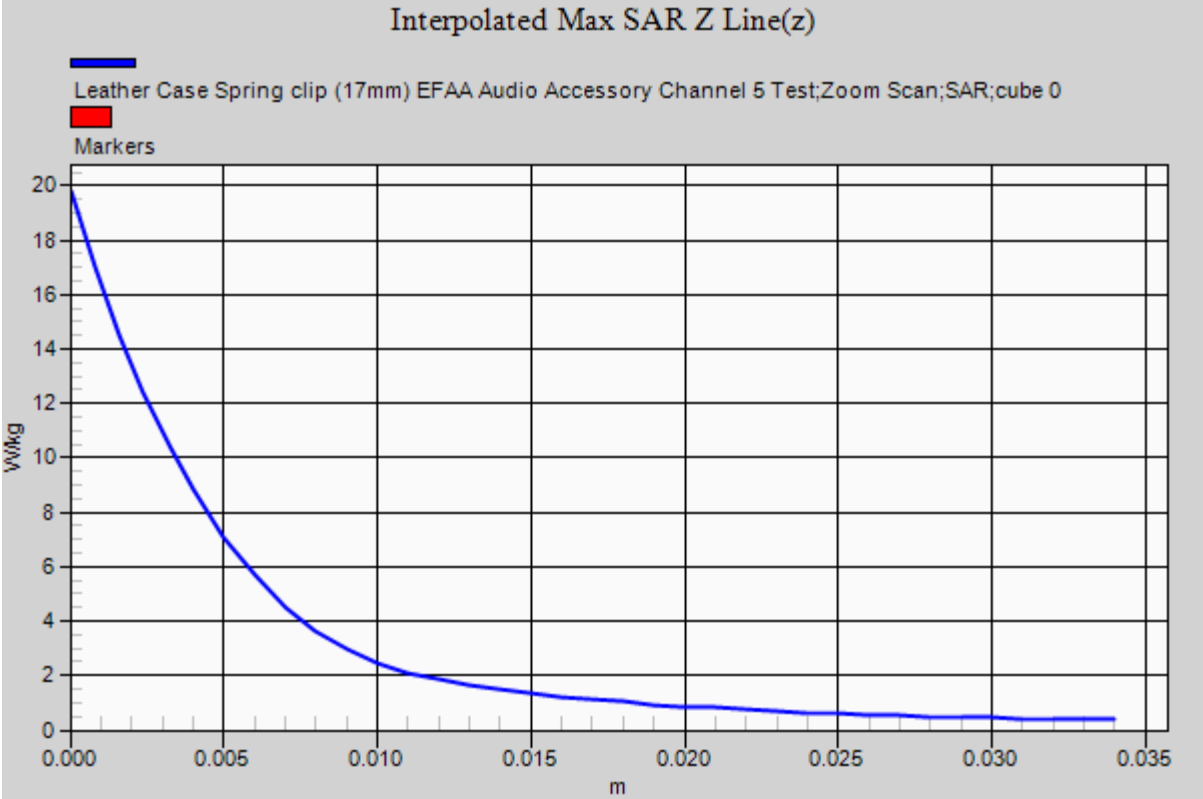
Reference Value = 58.381 V/m; Power Drift = 0.12 dB
Peak SAR (extrapolated) = 19.812 mW/g
SAR(1 g) = 7.77 mW/g
Maximum value of SAR (measured) = 8.75 W/kg



0 dB = 7.06 W/kg = 16.98 dB W/kg

SAR MEASUREMENT PLOT 50

Ambient Temperature	**20.1 Degrees Celsius**
Liquid Temperature	**19.8 Degrees Celsius**
Humidity	**47.0 %**



Test Date: 10 January 2013
File Name: M120922 150 MHz Body Worn Antenna 156 MHz HC Battery Alternative Audio Acessories 10-01-13.da52:0
DUT: Tait PTT Transceiver; Type: TPDB1A; Serial: 25385967

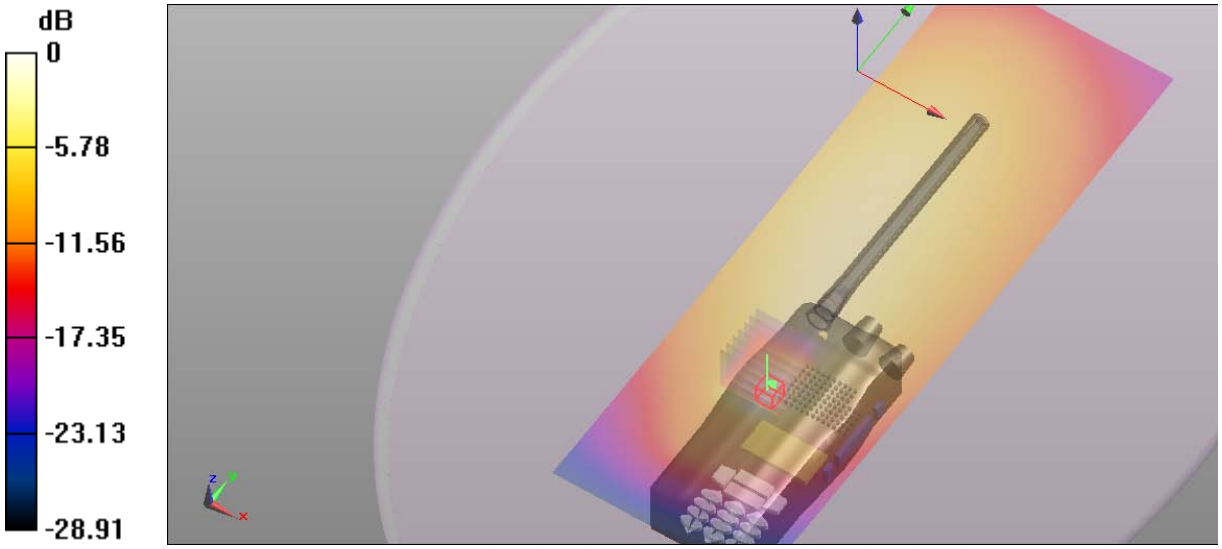
* Communication System: CW; Frequency: 156 MHz; Duty Cycle: 1:1
* Medium parameters used: f = 156 MHz; σ = 0.768 mho/m; ε_r = 61.341; ρ = 1000 kg/m^3
- Electronics: DAE3 Sn442; Probe: ET3DV6 - SN1380; ConvF(8.06, 8.06, 8.06); Calibrated: 10/12/2012
- Phantom: ELI 4.0; Serial: 1101; Phantom section: Flat Section

Configuration/Leather Case Spring clip (17mm) EFAA Audio Accessory Channel 7 Test/Area Scan (81x241x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 3.39 W/kg

Configuration/Leather Case Spring clip (17mm) EFAA Audio Accessory Channel 7 Test/Zoom Scan (8x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

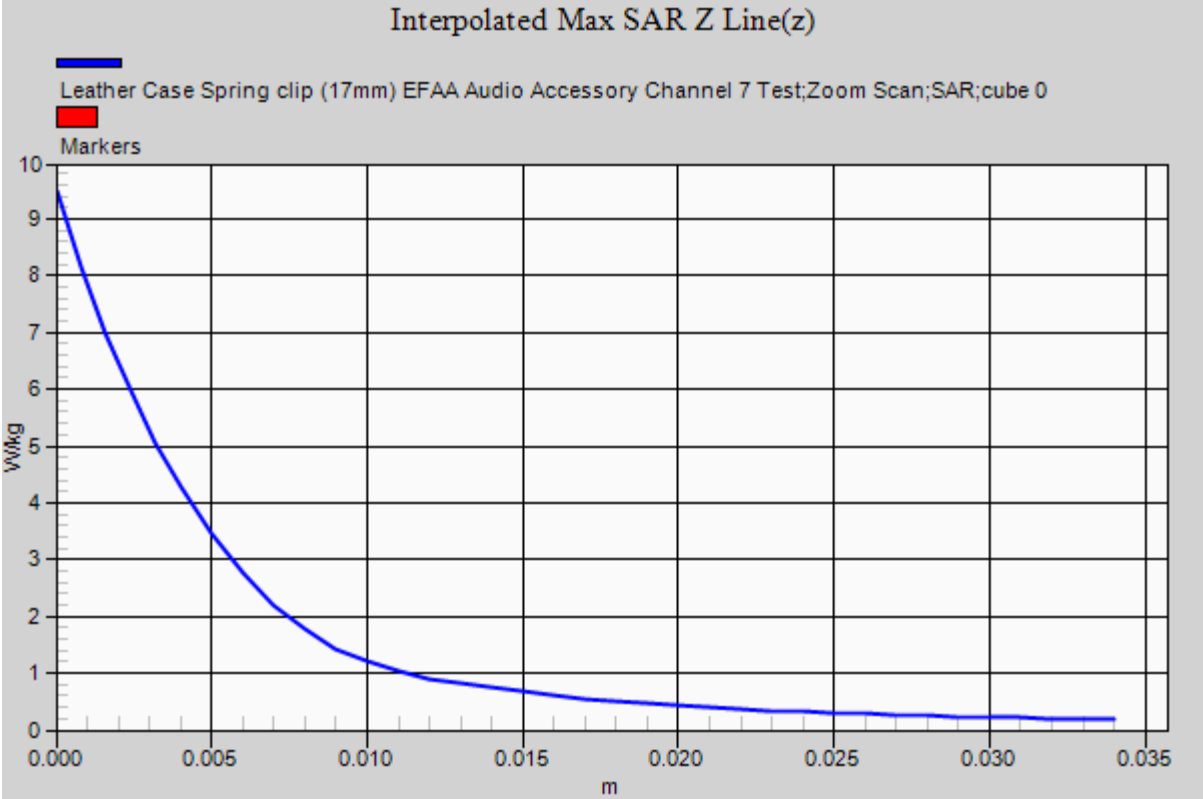
Reference Value = 43.169 V/m; Power Drift = -0.02 dB
Peak SAR (extrapolated) = 9.491 mW/g
SAR(1 g) = 3.55 mW/g
Maximum value of SAR (measured) = 4.14 W/kg



0 dB = 3.39 W/kg = 10.60 dB W/kg

SAR MEASUREMENT PLOT 51

Ambient Temperature	**20.1 Degrees Celsius**
Liquid Temperature	**19.8 Degrees Celsius**
Humidity	**47.0 %**



Test Date: 10 January 2013
File Name: M120922 150 MHz Body Worn Antenna 156 MHz HC Battery Alternative Audio Acessories 10-01-13.da52:0
DUT: Tait PTT Transceiver; Type: TPDB1A; Serial: 25385967

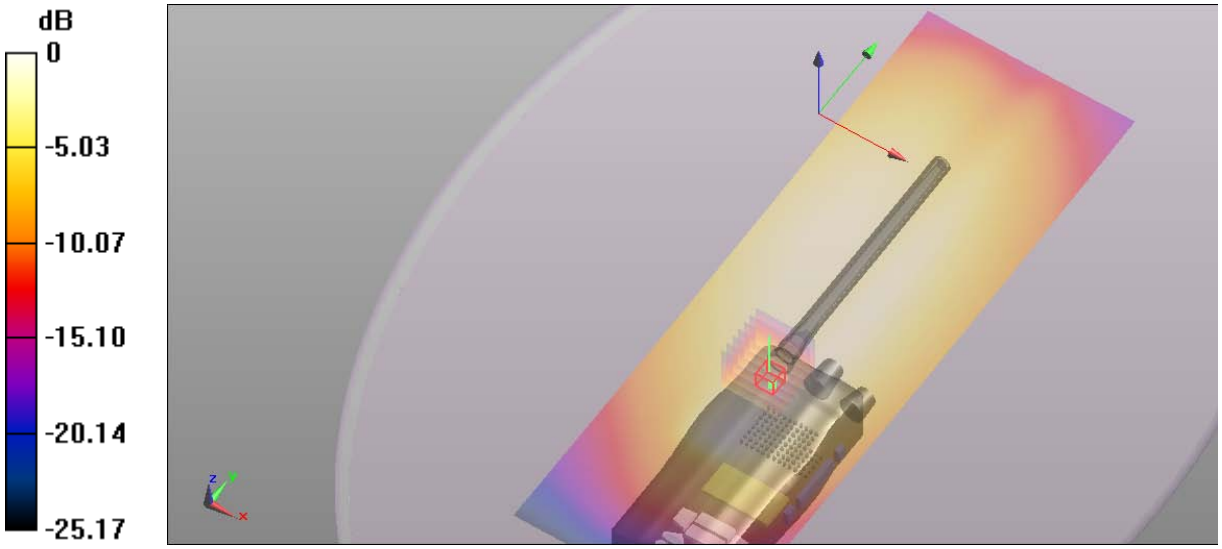
* Communication System: CW; Frequency: 162 MHz; Duty Cycle: 1:1
* Medium parameters used: f = 162 MHz; σ = 0.772 mho/m; ε_r = 61.419; ρ = 1000 kg/m^3
- Electronics: DAE3 Sn442; Probe: ET3DV6 - SN1380; ConvF(8.06, 8.06, 8.06); Calibrated: 10/12/2012
- Phantom: ELI 4.0; Serial: 1101; Phantom section: Flat Section

Configuration/Leather Case Spring clip (17mm) EFAA Audio Accessory Channel 8 Test/Area Scan (81x241x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.331 W/kg

Configuration/Leather Case Spring clip (17mm) EFAA Audio Accessory Channel 8 Test/Zoom Scan (8x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

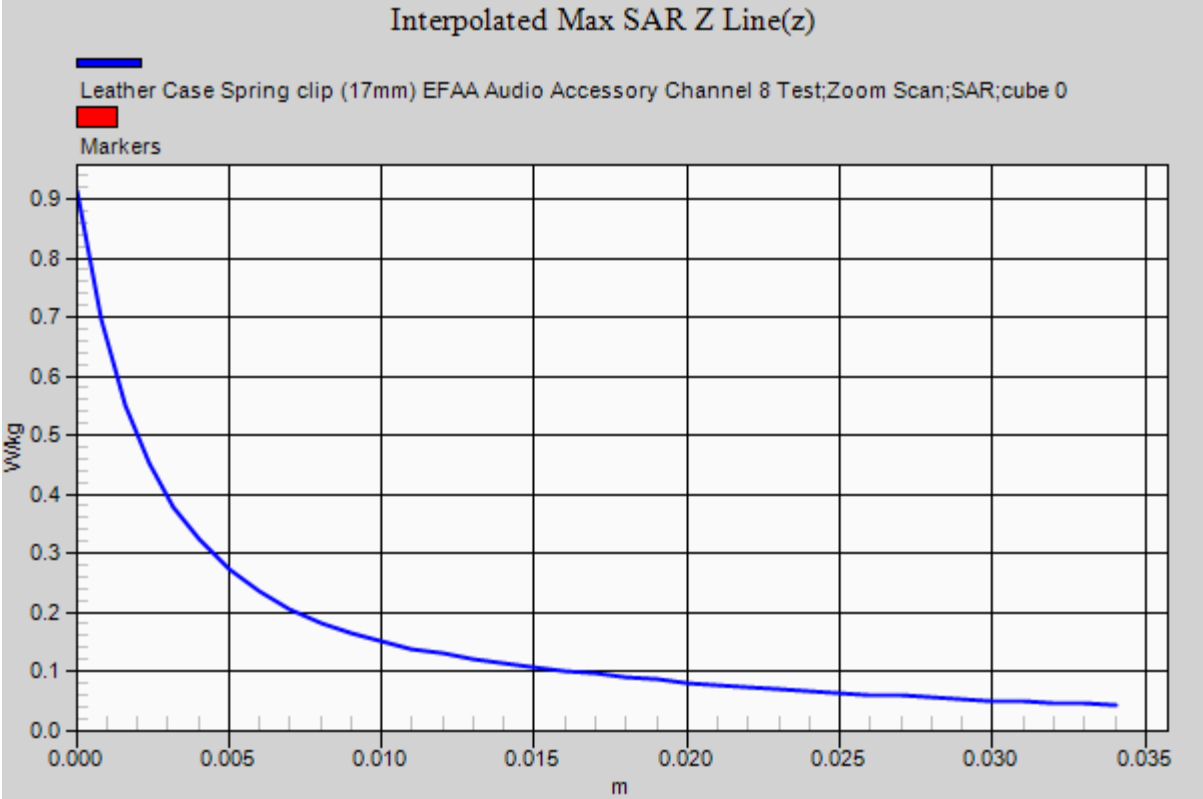
Reference Value = 21.143 V/m; Power Drift = -0.01 dB
Peak SAR (extrapolated) = 0.914 mW/g
SAR(1 g) = 0.318 mW/g
Maximum value of SAR (measured) = 0.314 W/kg



0 dB = 0.331 W/kg = -9.60 dB W/kg

SAR MEASUREMENT PLOT 52

Ambient Temperature	**20.1 Degrees Celsius**
Liquid Temperature	**19.8 Degrees Celsius**
Humidity	**47.0 %**



Test Date: 11 January 2013
File Name: M120922 150 MHz Body Worn Antenna 168 MHz HC Batt Audio Accessories 11-01-13.da52:0
DUT: Tait PTT Transceiver; Type: TPDB1A; Serial: 25385967

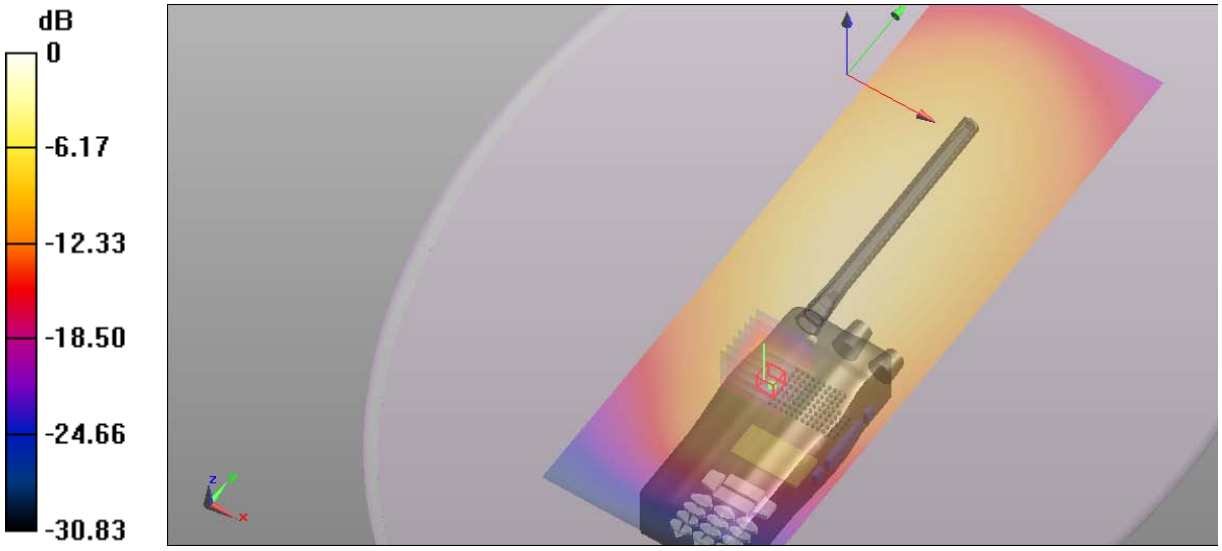
* Communication System: CW; Frequency: 162 MHz; Duty Cycle: 1:1
* Medium parameters used: f = 162 MHz; σ = 0.781 mho/m; ε_r = 61.548; ρ = 1000 kg/m^3
- Electronics: DAE3 Sn442; Probe: ET3DV6 - SN1380; ConvF(8.06, 8.06, 8.06); Calibrated: 10/12/2012
- Phantom: ELI 4.0; Serial: 1101; Phantom section: Flat Section

Configuration/Leather Case Spring Clip EFAA (17mm) Channel 8 Test/Area Scan (81x241x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

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

Configuration/Leather Case Spring Clip EFAA (17mm) Channel 8 Test/Zoom Scan (8x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

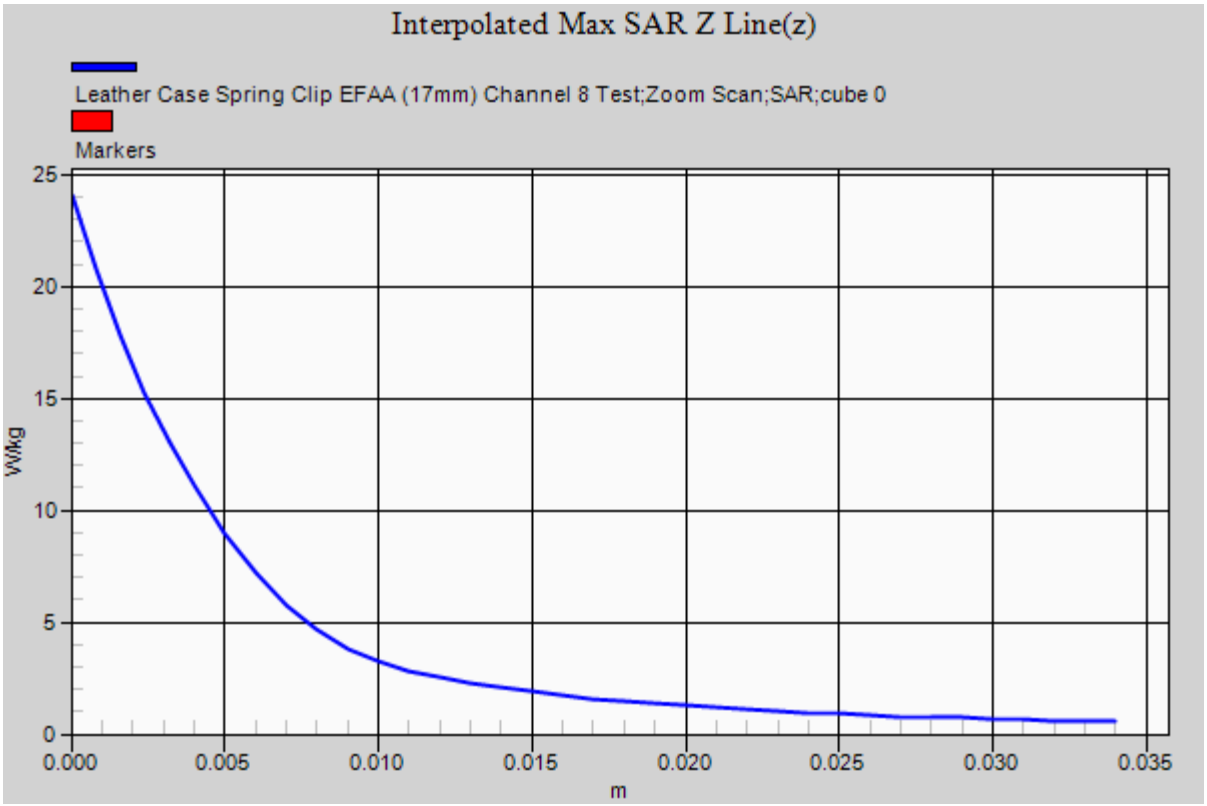
Reference Value = 67.212 V/m; Power Drift = -0.06 dB
Peak SAR (extrapolated) = 24.104 mW/g
SAR(1 g) = 9.6 mW/g
Maximum value of SAR (measured) = 10.8 W/kg



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

SAR MEASUREMENT PLOT 53

Ambient Temperature	**20.0 Degrees Celsius**
Liquid Temperature	**19.6 Degrees Celsius**
Humidity	**42.0 %**



Test Date: 17 October 2012
File Name: M120922 150 MHz Body Worn Antenna Alternative Audio Acessories 168 MHz 17-10-12.da52:0
DUT: Tait PTT Transceiver; Type: TPDB1A; Serial: 25385967

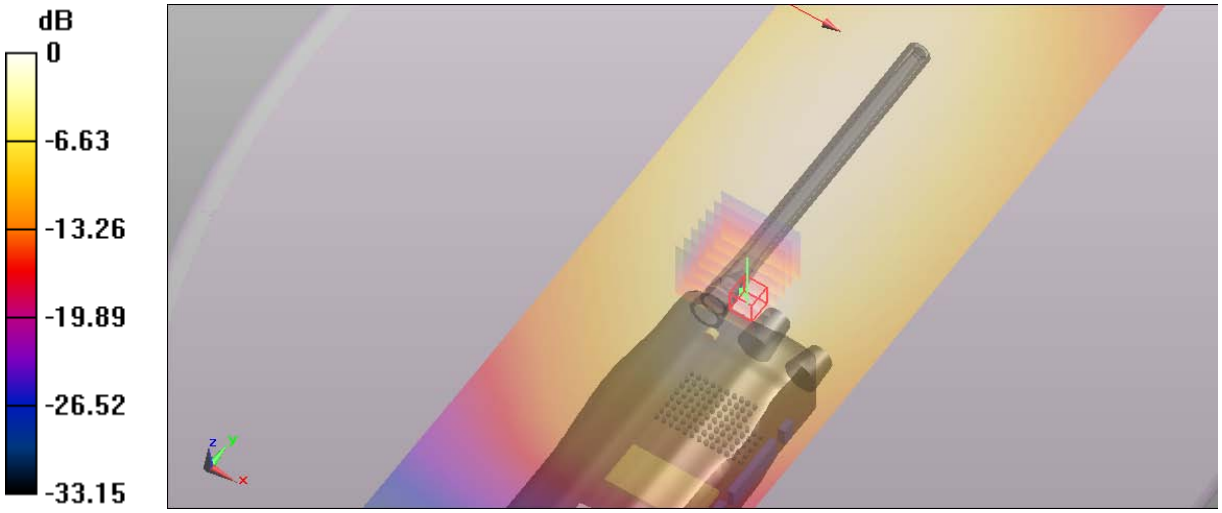
* Communication System: CW; Frequency: 162 MHz; Duty Cycle: 1:1
* Medium parameters used: f = 162 MHz; σ = 0.824 mho/m; ε_r = 61.671; ρ = 1000 kg/m^3
- Electronics: DAE3 Sn442; Probe: ET3DV6 - SN1380; ConvF(8.02, 8.02, 8.02); Calibrated: 12/12/2011
- Phantom: ELI 4.0; Serial: 1101; Phantom section: Flat Section

Configuration/Leather Case Spring Clip (17mm) EFAA Audio Accessory Channel 8 Test/Area Scan (81x241x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 7.36 W/kg

Configuration/Leather Case Spring Clip (17mm) EFAA Audio Accessory Channel 8 Test/Zoom Scan (8x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

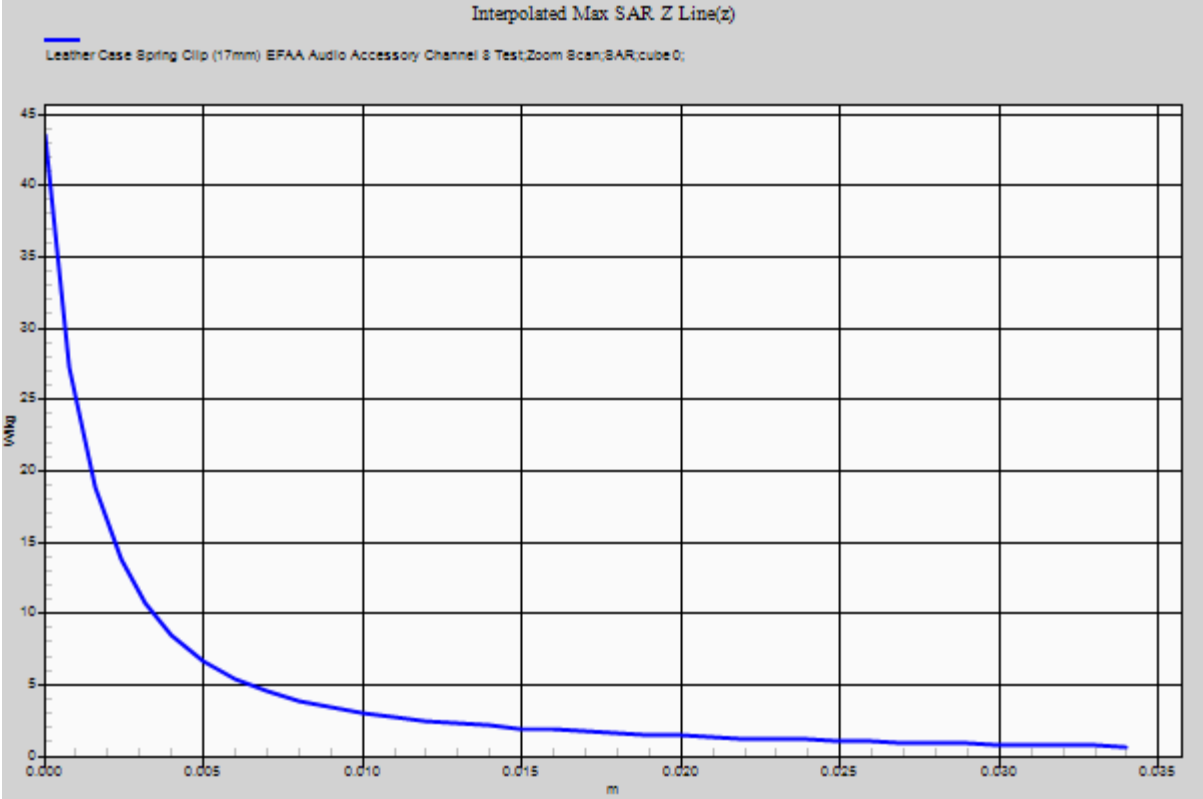
Reference Value = 65.212 V/m; Power Drift = -0.19 dB
Peak SAR (extrapolated) = 43.530 mW/g
SAR(1 g) = 9.01 mW/g
Maximum value of SAR (measured) = 8.27 W/kg



0 dB = 7.36 W/kg = 17.34 dB W/kg

SAR MEASUREMENT PLOT 54

Ambient Temperature	**20.8 Degrees Celsius**
Liquid Temperature	**20.3 Degrees Celsius**
Humidity	**41.0%**



Test Date: 11 January 2013
File Name: M120922 150 MHz Body Worn Antenna 168 MHz Audio Accessories 11-01-13.da52:0
DUT: Tait PTT Transceiver; Type: TPDB1A; Serial: 25385967

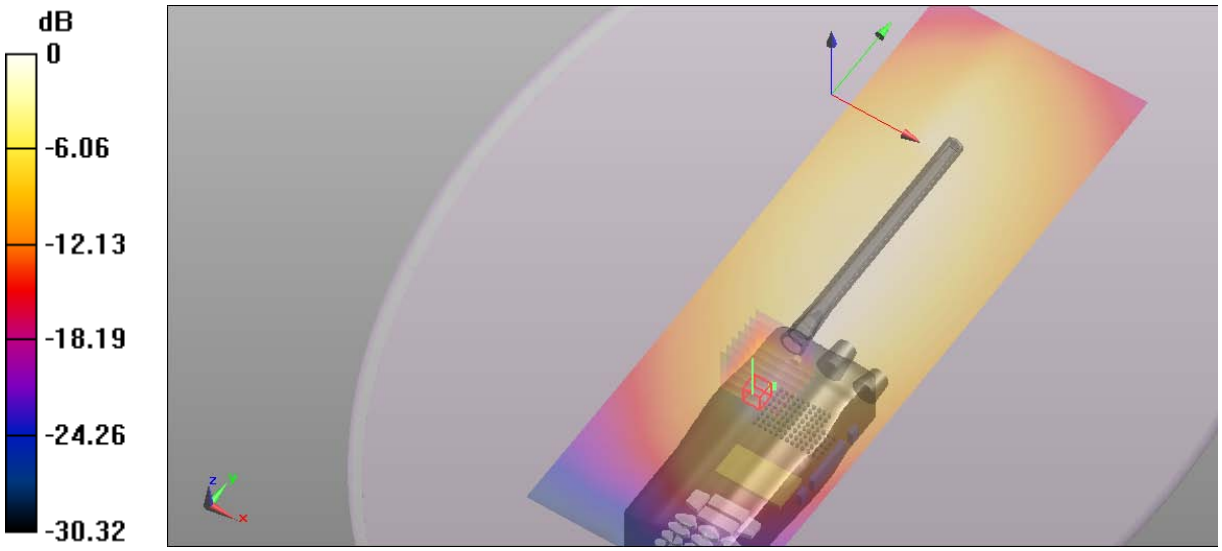
* Communication System: CW; Frequency: 168 MHz; Duty Cycle: 1:1
* Medium parameters used: f = 168 MHz; σ = 0.786 mho/m; ε_r = 61.26; ρ = 1000 kg/m^3
- Electronics: DAE3 Sn442; Probe: ET3DV6 - SN1380; ConvF(8.06, 8.06, 8.06); Calibrated: 10/12/2012
- Phantom: ELI 4.0; Serial: 1101; Phantom section: Flat Section

Configuration/Leather Case Spring Clip EFAA (17mm) Channel 10 Test/Area Scan (81x241x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 2.01 W/kg

Configuration/Leather Case Spring Clip EFAA (17mm) Channel 10 Test/Zoom Scan (8x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

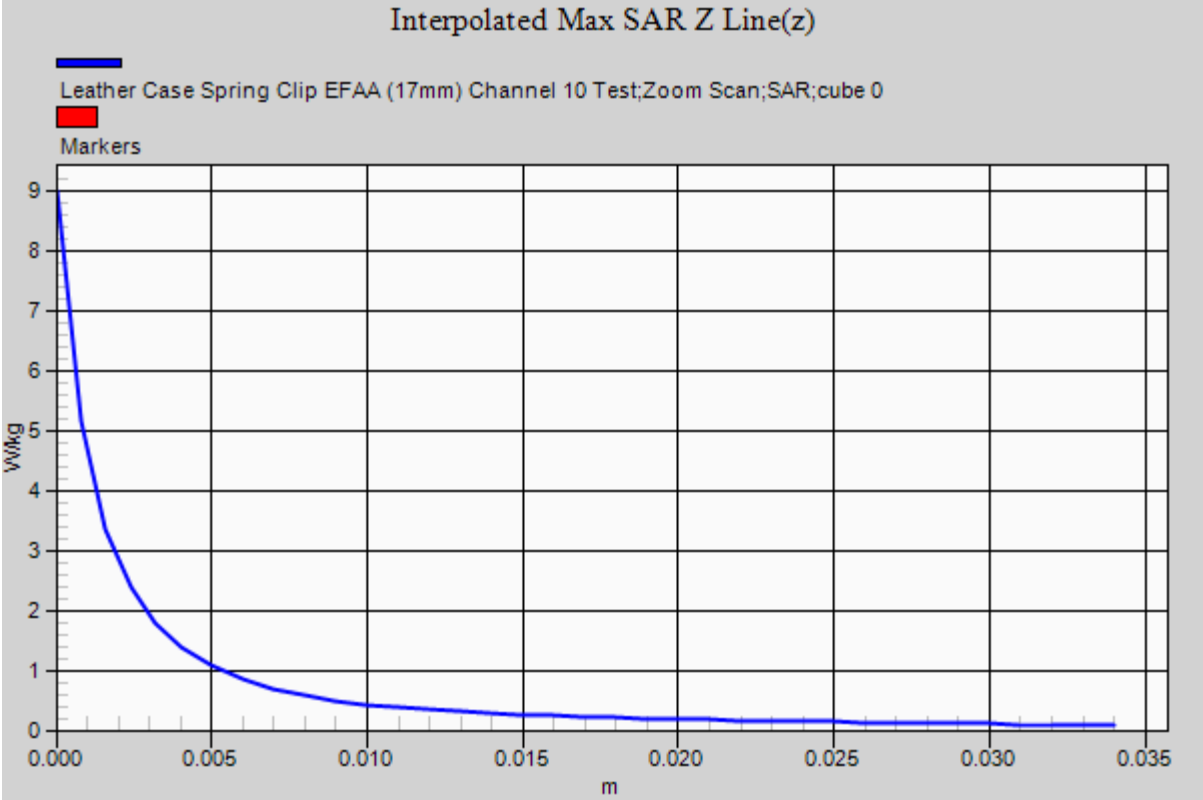
Reference Value = 31.415 V/m; Power Drift = -0.06 dB
Peak SAR (extrapolated) = 8.989 mW/g
SAR(1 g) = 1.61 mW/g
Maximum value of SAR (measured) = 1.39 W/kg



0 dB = 2.01 W/kg = 6.06 dB W/kg

SAR MEASUREMENT PLOT 55

Ambient Temperature	**20.0 Degrees Celsius**
Liquid Temperature	**19.6 Degrees Celsius**
Humidity	**42.0 %**



Test Date: 11 January 2013
File Name: M120922 150 MHz Body Worn Antenna 168 MHz Audio Accessories 11-01-13.da52:0
DUT: Tait PTT Transceiver; Type: TPDB1A; Serial: 25385967

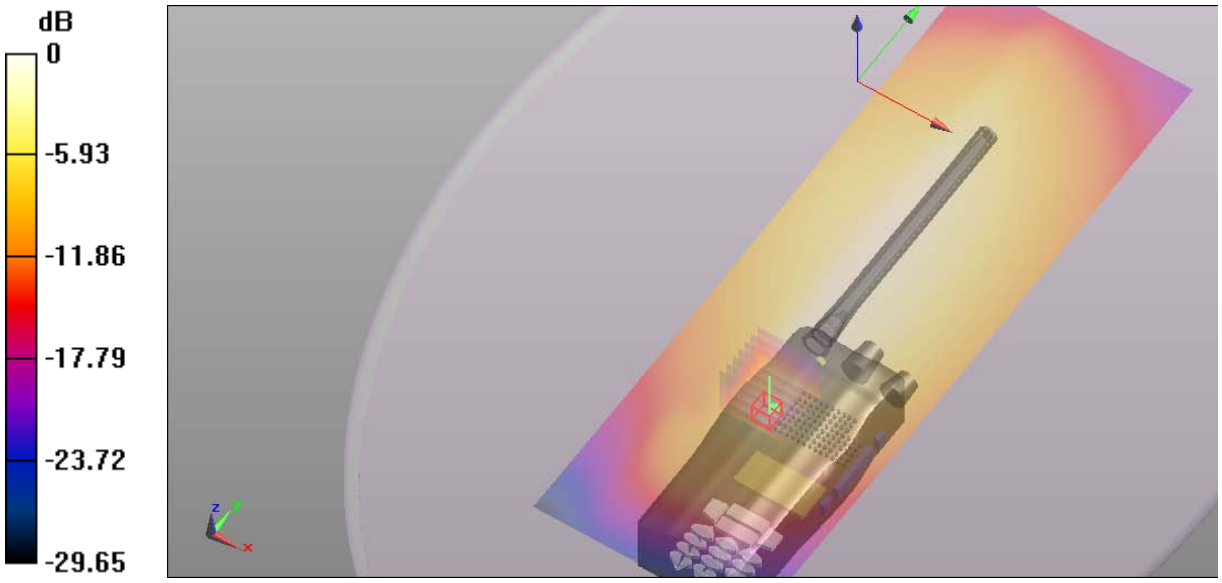
* Communication System: CW; Frequency: 173 MHz; Duty Cycle: 1:1
* Medium parameters used: f = 172 MHz; σ = 0.79 mho/m; ε_r = 61.12; ρ = 1000 kg/m^3
- Electronics: DAE3 Sn442; Probe: ET3DV6 - SN1380; ConvF(8.06, 8.06, 8.06); Calibrated: 10/12/2012
- Phantom: ELI 4.0; Serial: 1101; Phantom section: Flat Section

Configuration/Leather Case Spring Clip EFAA (17mm) Channel 13 Test/Area Scan (81x241x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 1.59 W/kg

Configuration/Leather Case Spring Clip EFAA (17mm) Channel 13 Test/Zoom Scan (8x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

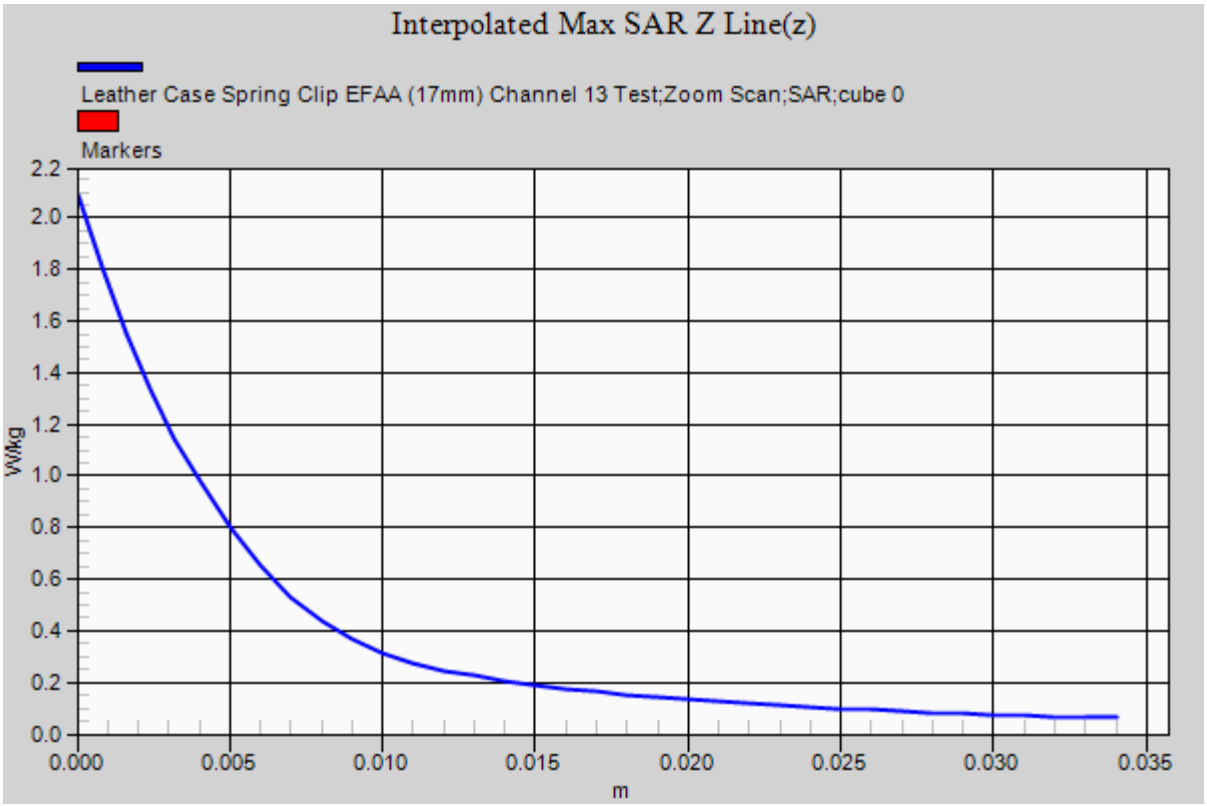
Reference Value = 26.778 V/m; Power Drift = -0.02 dB
Peak SAR (extrapolated) = 2.089 mW/g
SAR(1 g) = 0.865 mW/g
Maximum value of SAR (measured) = 0.961 W/kg



0 dB = 1.59 W/kg = 4.03 dB W/kg

SAR MEASUREMENT PLOT 56

Ambient Temperature	**20.0 Degrees Celsius**
Liquid Temperature	**19.6 Degrees Celsius**
Humidity	**42.0 %**



Test Date: 20 December 2012
File Name: M120922 150 MHz Body Worn Antenna 168 MHz Alternative Audio Acessories 20-12-12.da52:0
DUT: Tait PTT Transceiver; Type: TPDB1A; Serial: 25385967

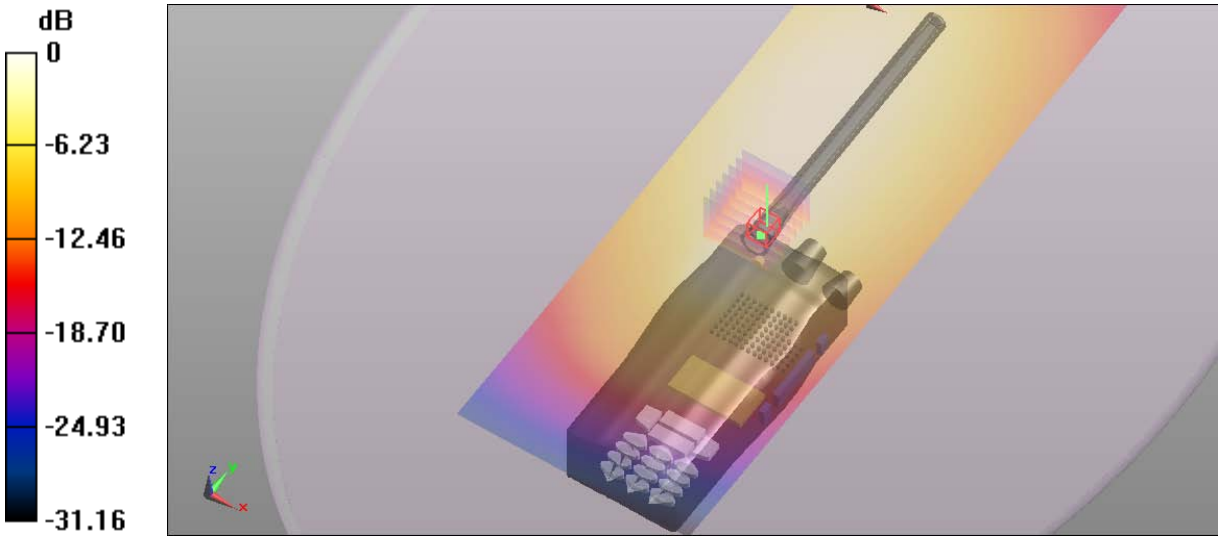
* Communication System: CW; Frequency: 162 MHz; Duty Cycle: 1:1
* Medium parameters used: f = 162 MHz; σ = 0.792 mho/m; ε_r = 60.754; ρ = 1000 kg/m^3
- Electronics: DAE3 Sn442; Probe: ET3DV6 - SN1380; ConvF(8.06, 8.06, 8.06); Calibrated: 10/12/2012
- Phantom: ELI 4.0; Serial: 1101; Phantom section: Flat Section

Configuration/Leather Case Spring clip (17mm) DMAA Audio Accessory Channel 8 Test/Area Scan (81x241x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 7.69 W/kg

Configuration/Leather Case Spring clip (17mm) DMAA Audio Accessory Channel 8 Test/Zoom Scan (8x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

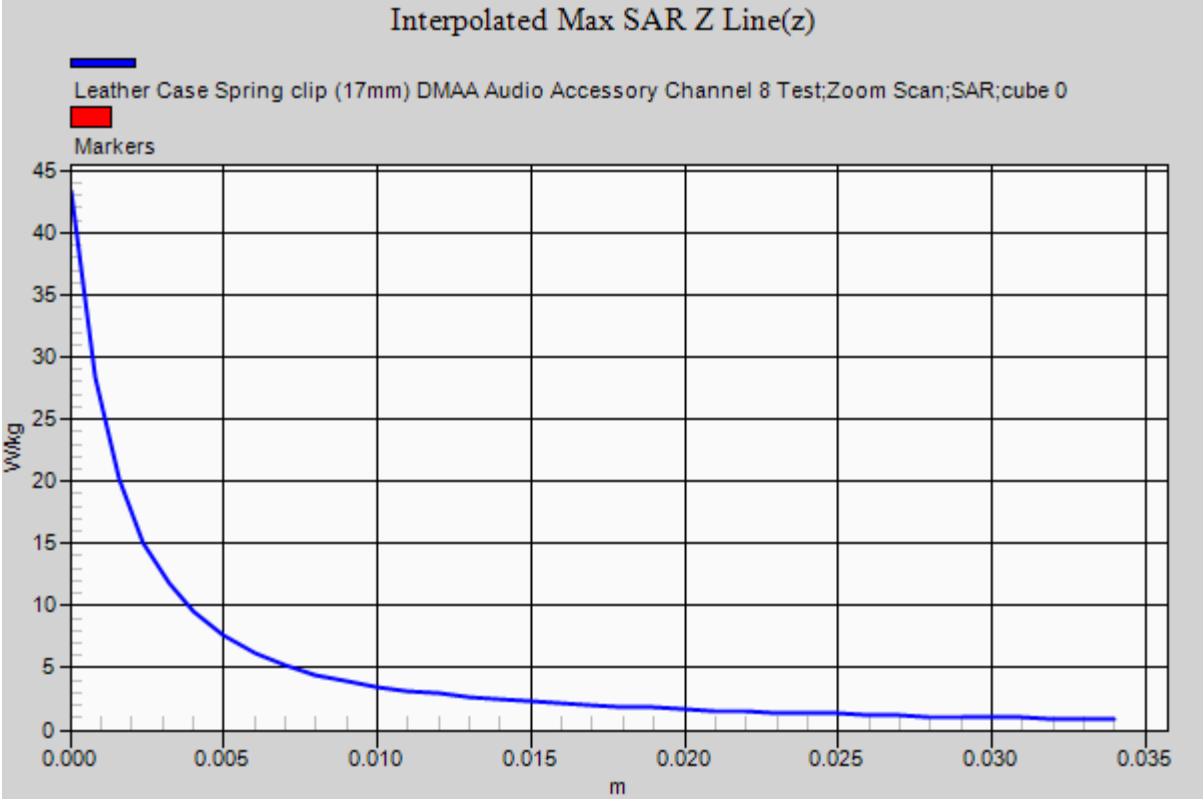
Reference Value = 74.955 V/m; Power Drift = -0.15 dB
Peak SAR (extrapolated) = 43.362 mW/g
SAR(1 g) = 9.87 mW/g
Maximum value of SAR (measured) = 9.52 W/kg



0 dB = 7.69 W/kg = 17.72 dB W/kg

SAR MEASUREMENT PLOT 57

Ambient Temperature	**21.0 Degrees Celsius**
Liquid Temperature	**20.8 Degrees Celsius**
Humidity	**51.0 %**



Test Date: 20 December 2012
File Name: M120922 150 MHz Body Worn Antenna 168 MHz Alternative Audio Acessories 20-12-12.da52:0
DUT: Tait PTT Transceiver; Type: TPDB1A; Serial: 25385967

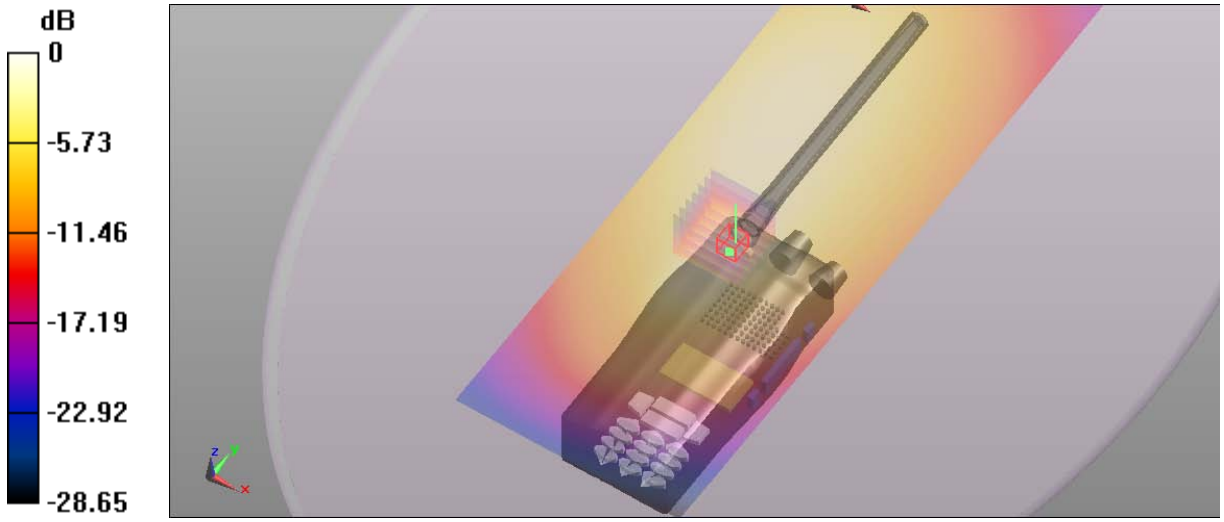
* Communication System: CW; Frequency: 162 MHz; Duty Cycle: 1:1
* Medium parameters used: f = 162 MHz; σ = 0.792 mho/m; ε_r = 60.754; ρ = 1000 kg/m^3
- Electronics: DAE3 Sn442; Probe: ET3DV6 - SN1380; ConvF(8.06, 8.06, 8.06); Calibrated: 10/12/2012
- Phantom: ELI 4.0; Serial: 1101; Phantom section: Flat Section

Configuration/Leather Case Spring clip (17mm) BFAA Audio Accessory Channel 8 Test/Area Scan (81x241x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

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

Configuration/Leather Case Spring clip (17mm) BFAA Audio Accessory Channel 8 Test/Zoom Scan (8x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

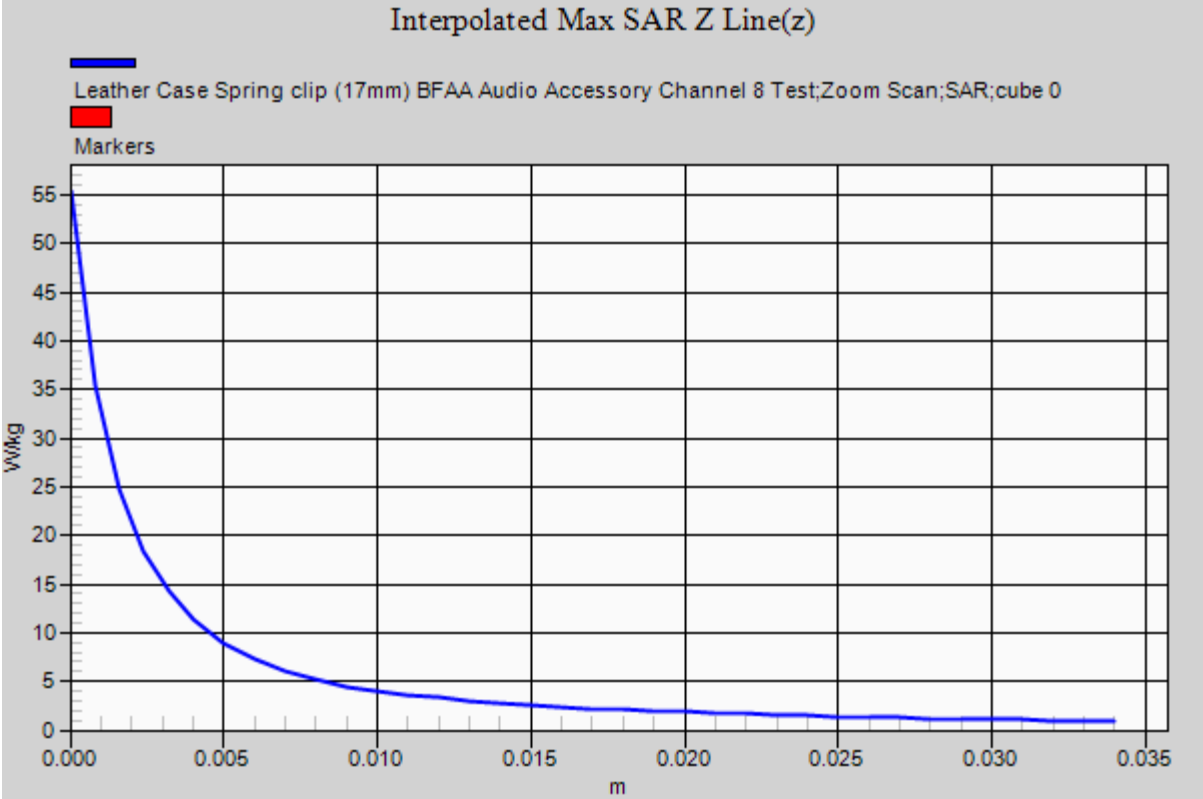
Reference Value = 77.134 V/m; Power Drift = -0.20 dB
Peak SAR (extrapolated) = 55.401 mW/g
SAR(1 g) = 12.1 mW/g
Maximum value of SAR (measured) = 11.5 W/kg



0 dB = 9.49 W/kg = 19.55 dB W/kg

SAR MEASUREMENT PLOT 58

Ambient Temperature	**21.0 Degrees Celsius**
Liquid Temperature	**20.8 Degrees Celsius**
Humidity	**51.0 %**



Test Date: 20 December 2012
File Name: M120922 150 MHz Body Worn Antenna 168 MHz Alternative Audio Acessories 20-12-12.da52:0
DUT: Tait PTT Transceiver; Type: TPDB1A; Serial: 25385967

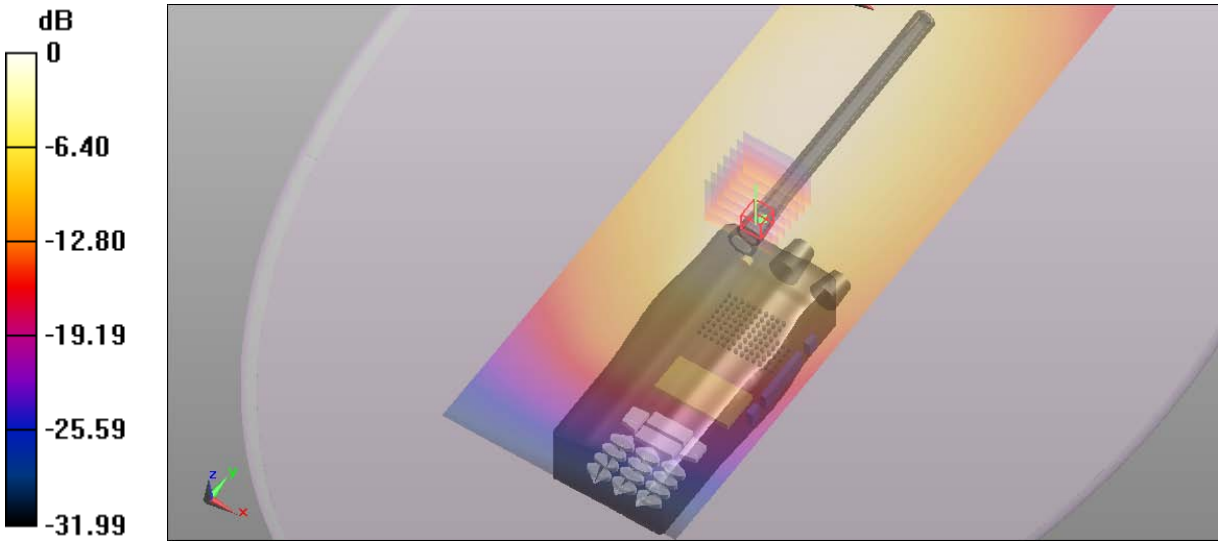
* Communication System: CW; Frequency: 162 MHz; Duty Cycle: 1:1
* Medium parameters used: f = 162 MHz; σ = 0.792 mho/m; ε_r = 60.754; ρ = 1000 kg/m^3
- Electronics: DAE3 Sn442; Probe: ET3DV6 - SN1380; ConvF(8.06, 8.06, 8.06); Calibrated: 10/12/2012
- Phantom: ELI 4.0; Serial: 1101; Phantom section: Flat Section

Configuration/Leather Case Spring clip (17mm) CBAA Audio Accessory Channel 8 Test/Area Scan (81x241x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 7.41 W/kg

Configuration/Leather Case Spring clip (17mm) CBAA Audio Accessory Channel 8 Test/Zoom Scan (8x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

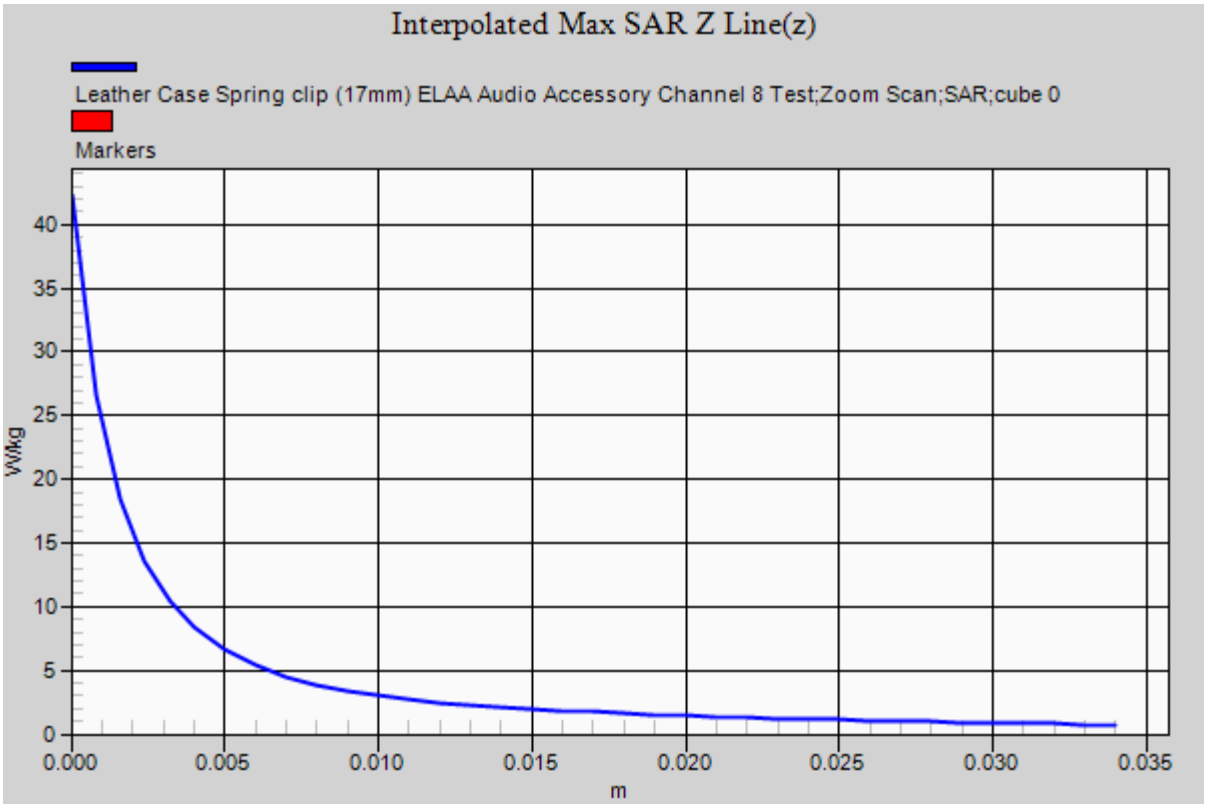
Reference Value = 69.622 V/m; Power Drift = -0.13 dB
Peak SAR (extrapolated) = 42.323 mW/g
SAR(1 g) = 8.88 mW/g
Maximum value of SAR (measured) = 8.15 W/kg



0 dB = 7.41 W/kg = 17.40 dB W/kg

SAR MEASUREMENT PLOT 59

Ambient Temperature	**21.0 Degrees Celsius**
Liquid Temperature	**20.8 Degrees Celsius**
Humidity	**51.0 %**



Test Date: 20 December 2012
File Name: M120922 150 MHz Body Worn Antenna 168 MHz Alternative Audio Acessories 20-12-12.da52:0
DUT: Tait PTT Transceiver; Type: TPDB1A; Serial: 25385967

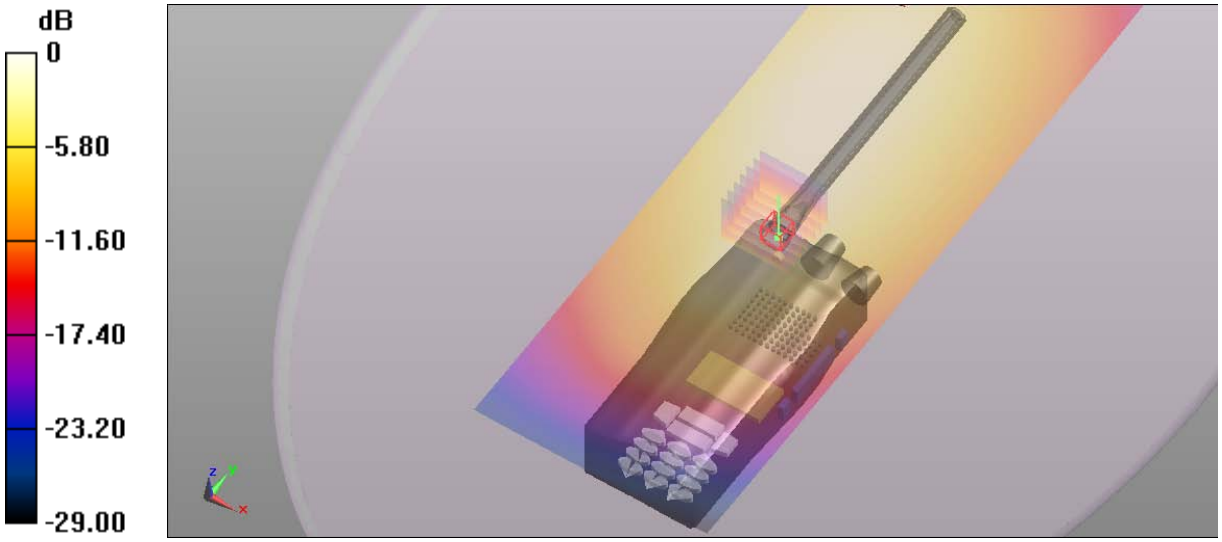
* Communication System: CW; Frequency: 162 MHz; Duty Cycle: 1:1
* Medium parameters used: f = 162 MHz; σ = 0.792 mho/m; ε_r = 60.754; ρ = 1000 kg/m^3
- Electronics: DAE3 Sn442; Probe: ET3DV6 - SN1380; ConvF(8.06, 8.06, 8.06); Calibrated: 10/12/2012
- Phantom: ELI 4.0; Serial: 1101; Phantom section: Flat Section

Configuration/Leather Case Spring clip (17mm) BAAA Audio Accessory Channel 8 Test 2/Area Scan (81x241x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 5.89 W/kg

Configuration/Leather Case Spring clip (17mm) BAAA Audio Accessory Channel 8 Test 2/Zoom Scan (8x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

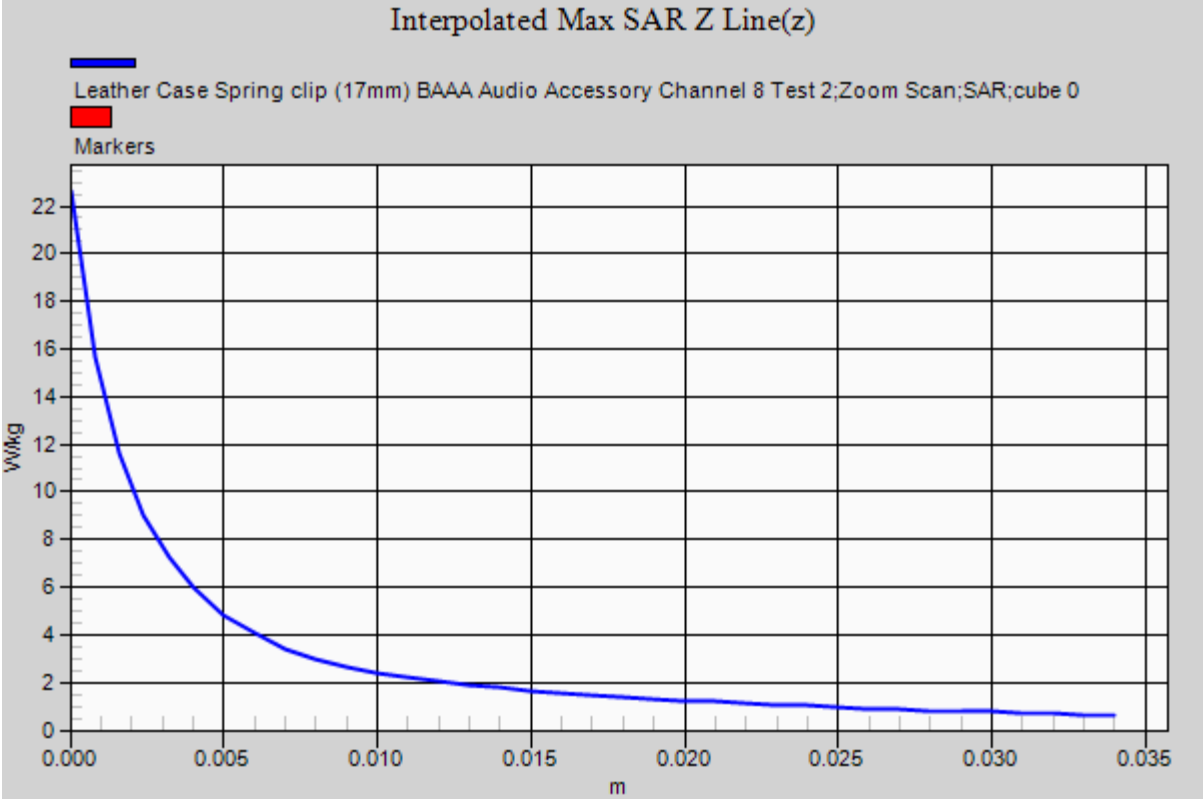
Reference Value = 66.556 V/m; Power Drift = -0.14 dB
Peak SAR (extrapolated) = 22.635 mW/g
SAR(1 g) = 5.91 mW/g
Maximum value of SAR (measured) = 5.93 W/kg



0 dB = 5.89 W/kg = 15.40 dB W/kg

SAR MEASUREMENT PLOT 60

Ambient Temperature	**21.0 Degrees Celsius**
Liquid Temperature	**20.8 Degrees Celsius**
Humidity	**51.0 %**



Test Date: 20 December 2012
File Name: M120922 150 MHz Body Worn Antenna 156 MHz HC Battery Alternative Audio Acessories 20-12-12.da52:0
DUT: Tait PTT Transceiver; Type: TPDB1A; Serial: 25385967

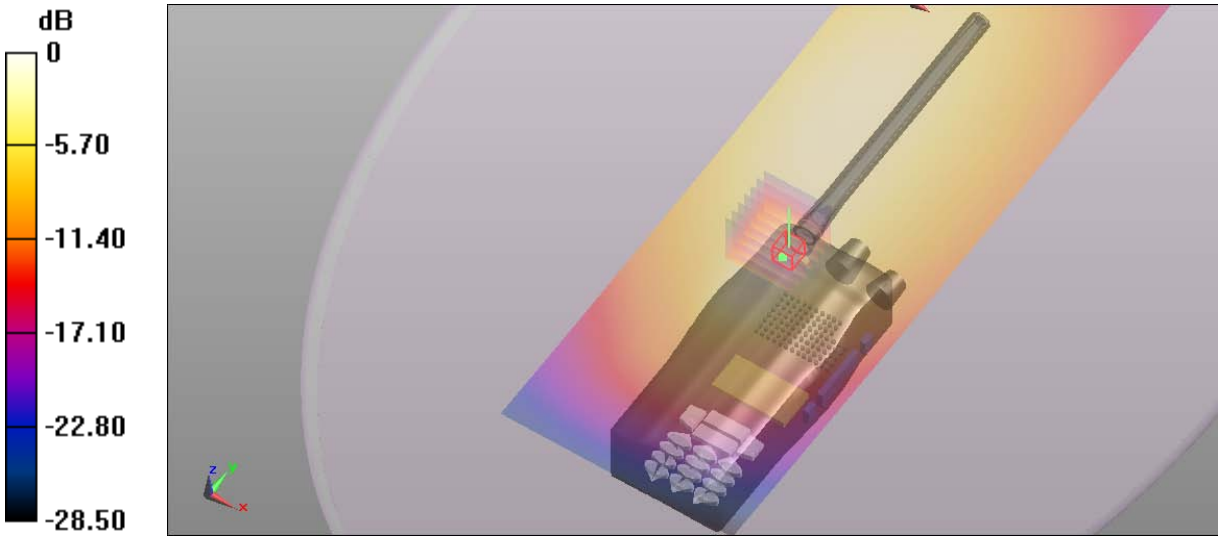
* Communication System: CW; Frequency: 151 MHz; Duty Cycle: 1:1
* Medium parameters used: f = 150 MHz; σ = 0.782 mho/m; ε_r = 61.211; ρ = 1000 kg/m^3
- Electronics: DAE3 Sn442; Probe: ET3DV6 - SN1380; ConvF(8.06, 8.06, 8.06); Calibrated: 10/12/2012
- Phantom: ELI 4.0; Serial: 1101; Phantom section: Flat Section

Configuration/Leather Case Spring clip (17mm) DMAA Audio Accessory Channel 5 Test/Area Scan (81x241x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 9.84 W/kg

Configuration/Leather Case Spring clip (17mm) DMAA Audio Accessory Channel 5 Test/Zoom Scan (8x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

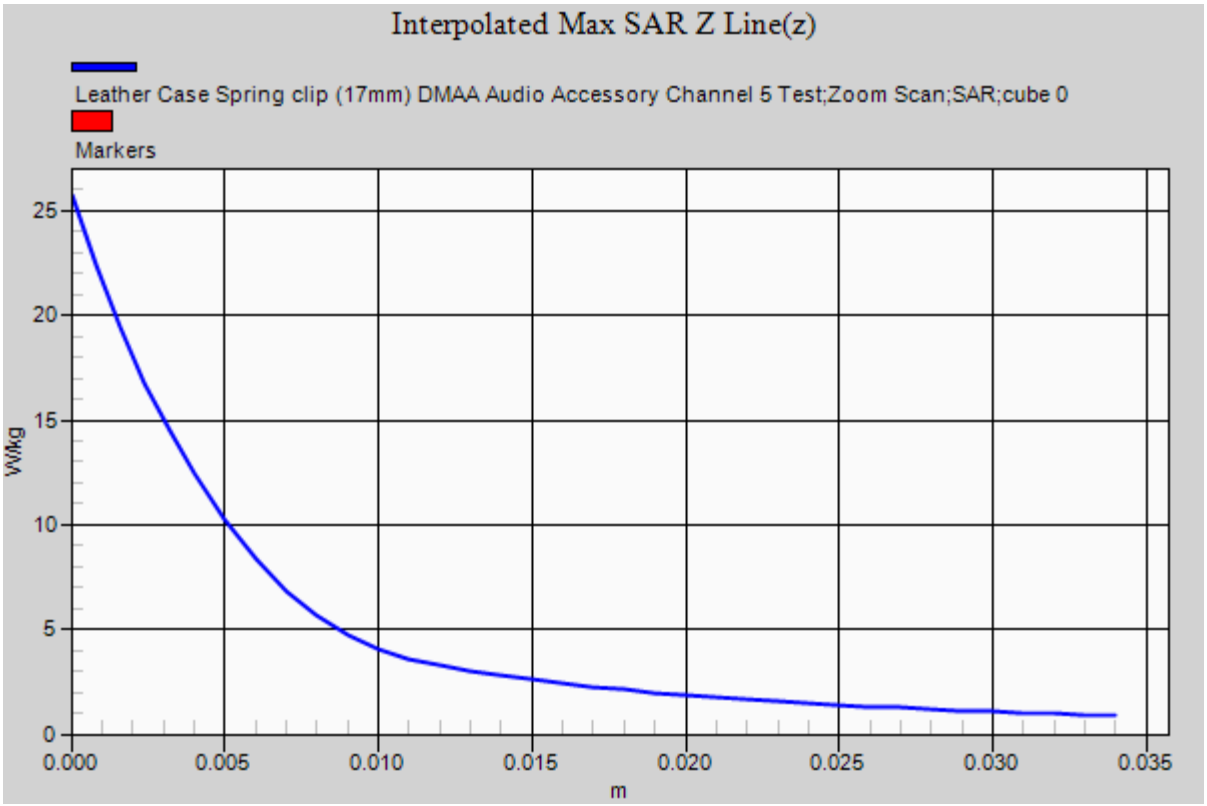
Reference Value = 77.228 V/m; Power Drift = -0.13 dB
Peak SAR (extrapolated) = 25.755 mW/g
SAR(1 g) = 10.6 mW/g
Maximum value of SAR (measured) = 11.9 W/kg



0 dB = 9.84 W/kg = 19.86 dB W/kg

SAR MEASUREMENT PLOT 61

Ambient Temperature	**21.0 Degrees Celsius**
Liquid Temperature	**20.8 Degrees Celsius**
Humidity	**51.0 %**



Test Date: 20 December 2012
File Name: M120922 150 MHz Body Worn Antenna 156 MHz HC Battery Alternative Audio Acessories 20-12-12.da52:0
DUT: Tait PTT Transceiver; Type: TPDB1A; Serial: 25385967

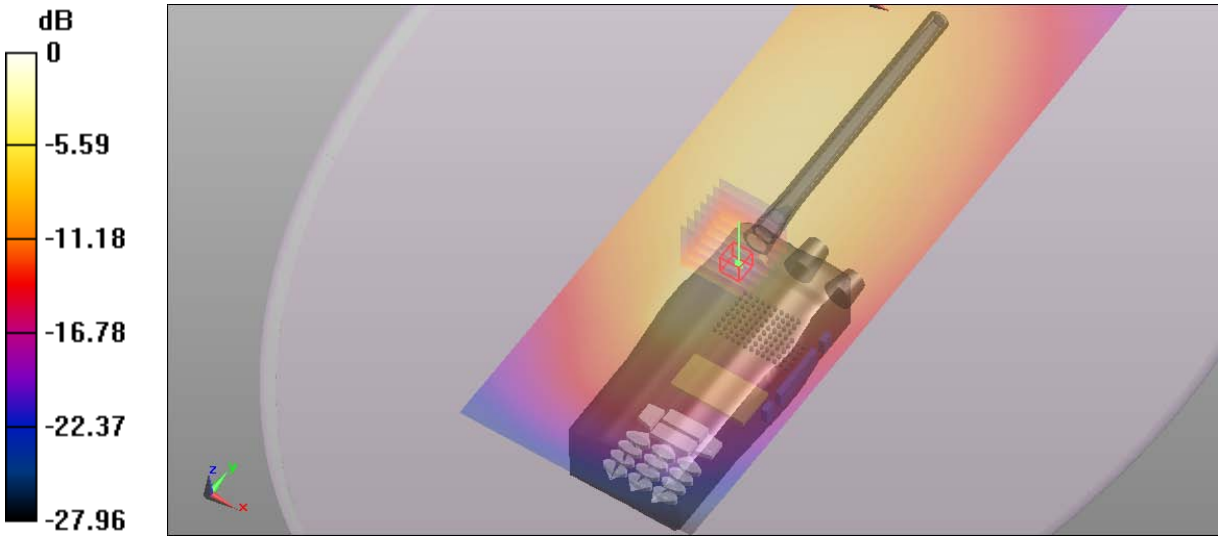
* Communication System: CW; Frequency: 151 MHz; Duty Cycle: 1:1
* Medium parameters used: f = 150 MHz; σ = 0.782 mho/m; ε_r = 61.211; ρ = 1000 kg/m^3
- Electronics: DAE3 Sn442; Probe: ET3DV6 - SN1380; ConvF(8.06, 8.06, 8.06); Calibrated: 10/12/2012
- Phantom: ELI 4.0; Serial: 1101; Phantom section: Flat Section

Configuration/Leather Case Spring clip (17mm) BFAA Audio Accessory Channel 5 Test/Area Scan (81x241x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 6.90 W/kg

Configuration/Leather Case Spring clip (17mm) BFAA Audio Accessory Channel 5 Test/Zoom Scan (8x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

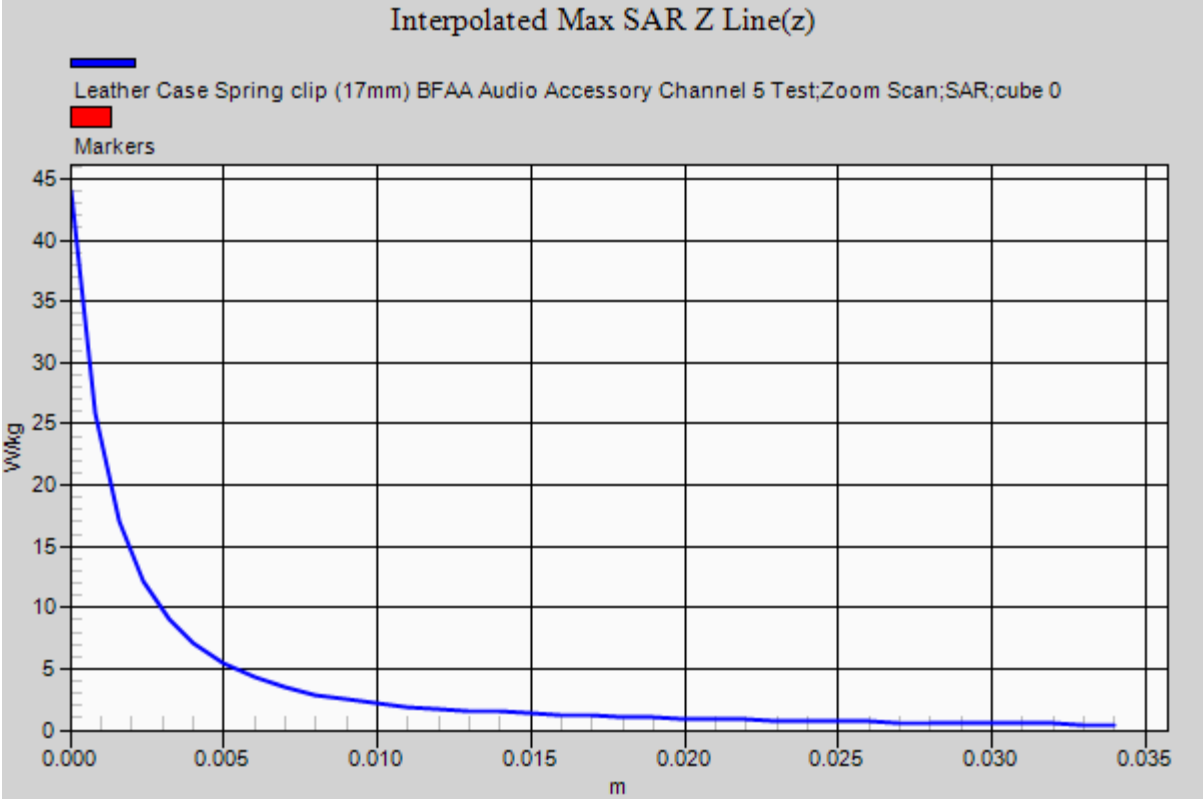
Reference Value = 51.989 V/m; Power Drift = -0.02 dB
Peak SAR (extrapolated) = 44.013 mW/g
SAR(1 g) = 7.64 mW/g
Maximum value of SAR (measured) = 7.25 W/kg



0 dB = 6.90 W/kg = 16.78 dB W/kg

SAR MEASUREMENT PLOT 62

Ambient Temperature	**21.0 Degrees Celsius**
Liquid Temperature	**20.8 Degrees Celsius**
Humidity	**51.0 %**



Test Date: 20 December 2012
File Name: M120922 150 MHz Body Worn Antenna 156 MHz HC Battery Alternative Audio Acessories 20-12-12.da52:0
DUT: Tait PTT Transceiver; Type: TPDB1A; Serial: 25385967

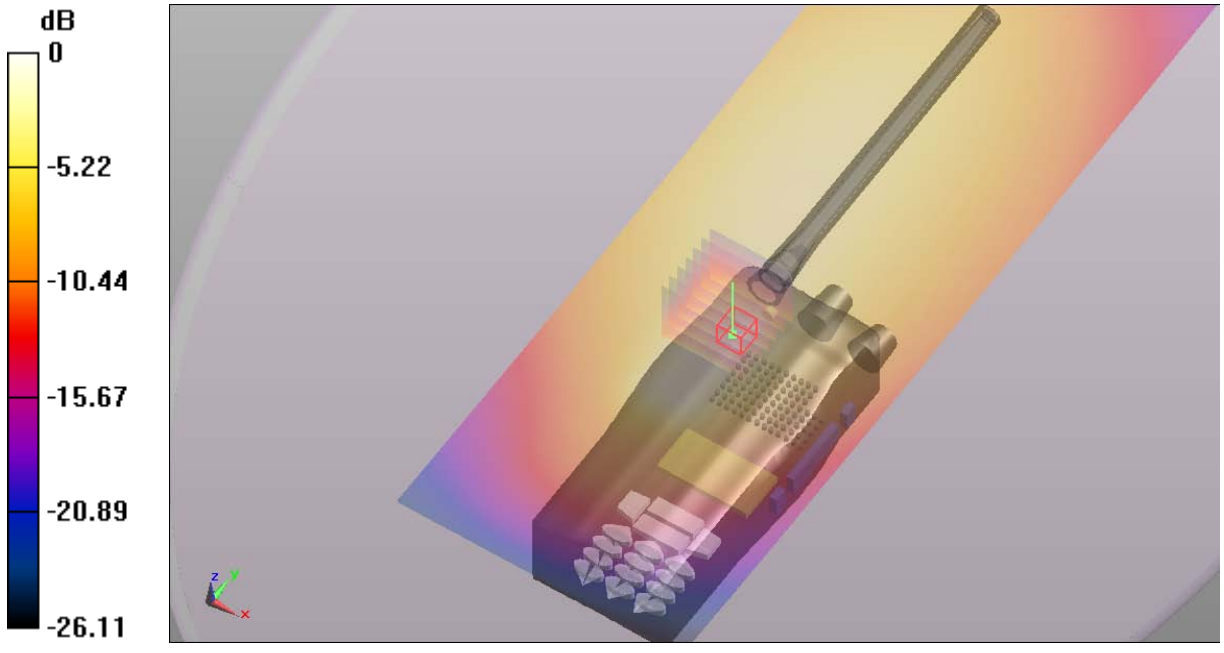
* Communication System: CW; Frequency: 151 MHz; Duty Cycle: 1:1
* Medium parameters used: f = 150 MHz; σ = 0.782 mho/m; ε_r = 61.211; ρ = 1000 kg/m^3
- Electronics: DAE3 Sn442; Probe: ET3DV6 - SN1380; ConvF(8.06, 8.06, 8.06); Calibrated: 10/12/2012
- Phantom: ELI 4.0; Serial: 1101; Phantom section: Flat Section

Configuration/Leather Case Spring clip (17mm) CBAA Audio Accessory Channel 5 Test/Area Scan (81x241x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 7.69 W/kg

Configuration/Leather Case Spring clip (17mm) CBAA Audio Accessory Channel 5 Test/Zoom Scan (8x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

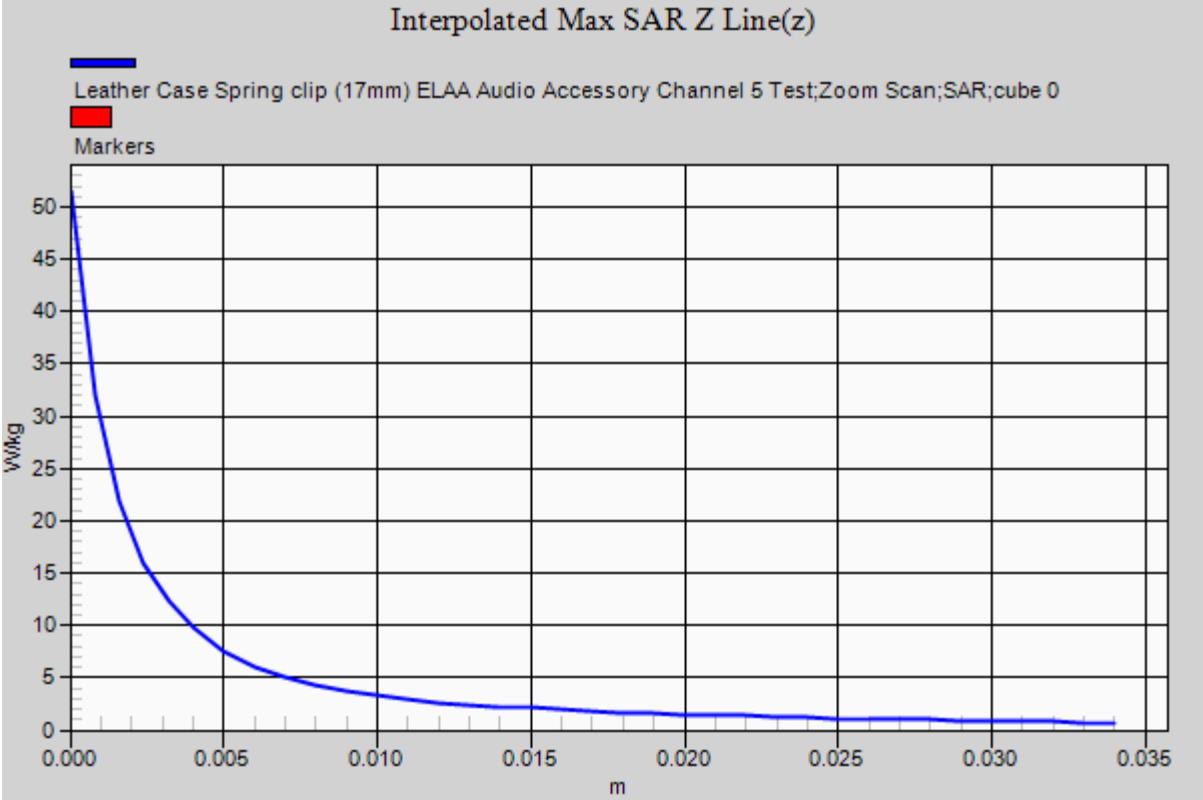
Reference Value = 62.742 V/m; Power Drift = -0.06 dB
Peak SAR (extrapolated) = 51.527 mW/g
SAR(1 g) = 10.1 mW/g
Maximum value of SAR (measured) = 9.40 W/kg



0 dB = 7.69 W/kg = 17.72 dB W/kg

SAR MEASUREMENT PLOT 63

Ambient Temperature	**21.0 Degrees Celsius**
Liquid Temperature	**20.8 Degrees Celsius**
Humidity	**51.0 %**



Test Date: 20 December 2012
File Name: M120922 150 MHz Body Worn Antenna 156 MHz HC Battery Alternative Audio Acessories 20-12-12.da52:0
DUT: Tait PTT Transceiver; Type: TPDB1A; Serial: 25385967

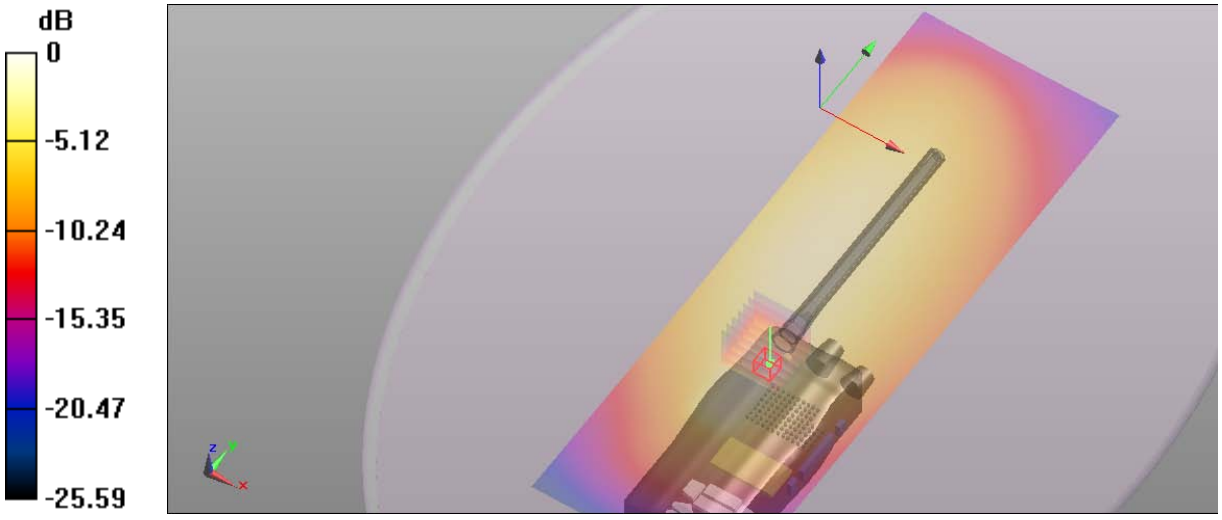
* Communication System: CW; Frequency: 151 MHz; Duty Cycle: 1:1
* Medium parameters used: f = 150 MHz; σ = 0.782 mho/m; ε_r = 61.211; ρ = 1000 kg/m^3
- Electronics: DAE3 Sn442; Probe: ET3DV6 - SN1380; ConvF(8.06, 8.06, 8.06); Calibrated: 10/12/2012
- Phantom: ELI 4.0; Serial: 1101; Phantom section: Flat Section

Configuration/Leather Case Spring clip (17mm) BAAA Audio Accessory Channel 5 Test/Area Scan (81x241x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 6.19 W/kg

Configuration/Leather Case Spring clip (17mm) BAAA Audio Accessory Channel 5 Test/Zoom Scan (8x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

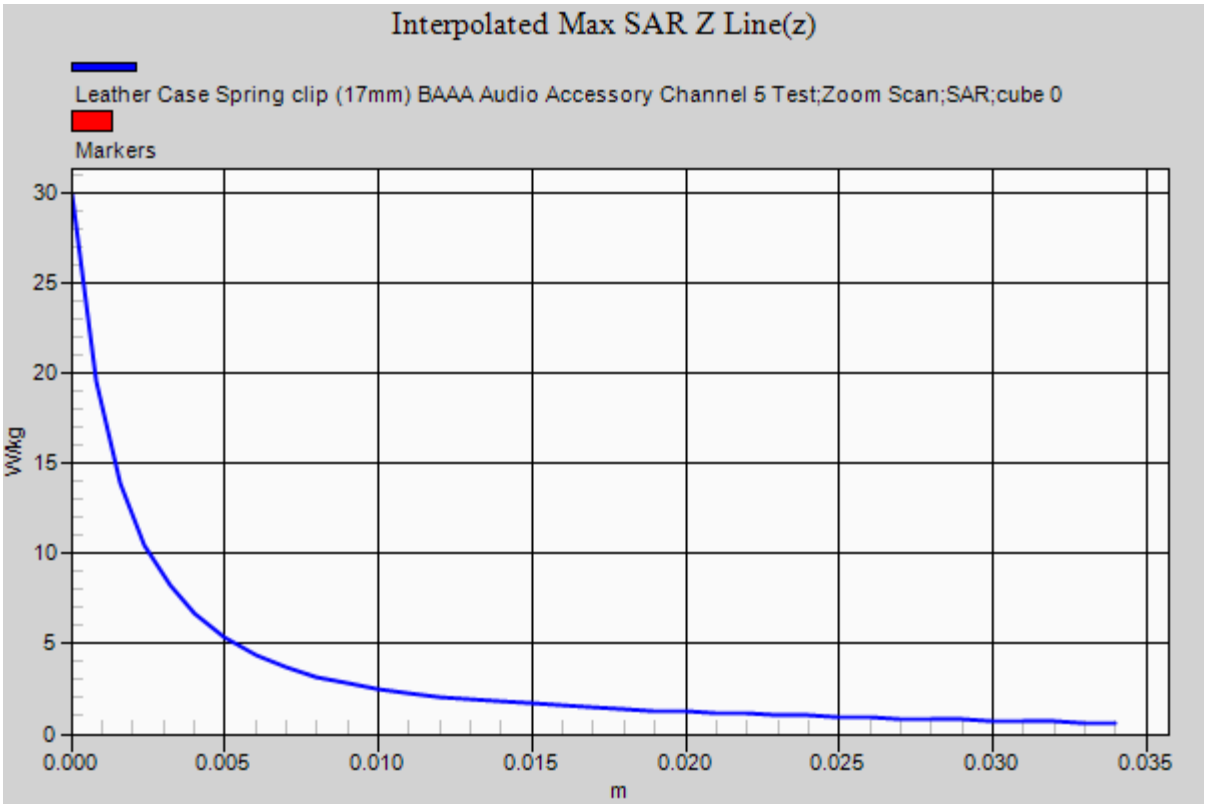
Reference Value = 61.960 V/m; Power Drift = -0.02 dB
Peak SAR (extrapolated) = 29.941 mW/g
SAR(1 g) = 7.02 mW/g
Maximum value of SAR (measured) = 6.55 W/kg



0 dB = 6.19 W/kg = 15.83 dB W/kg

SAR MEASUREMENT PLOT 64

Ambient Temperature	**21.0 Degrees Celsius**
Liquid Temperature	**20.8 Degrees Celsius**
Humidity	**51.0 %**



Test Date: 16 October 2012
File Name: M120922 150 MHz Body Worn Antenna 143.5 MHz 16-10-12.da52:0
DUT: Tait PTT Transceiver; Type: TPDB1A; Serial: 25385967

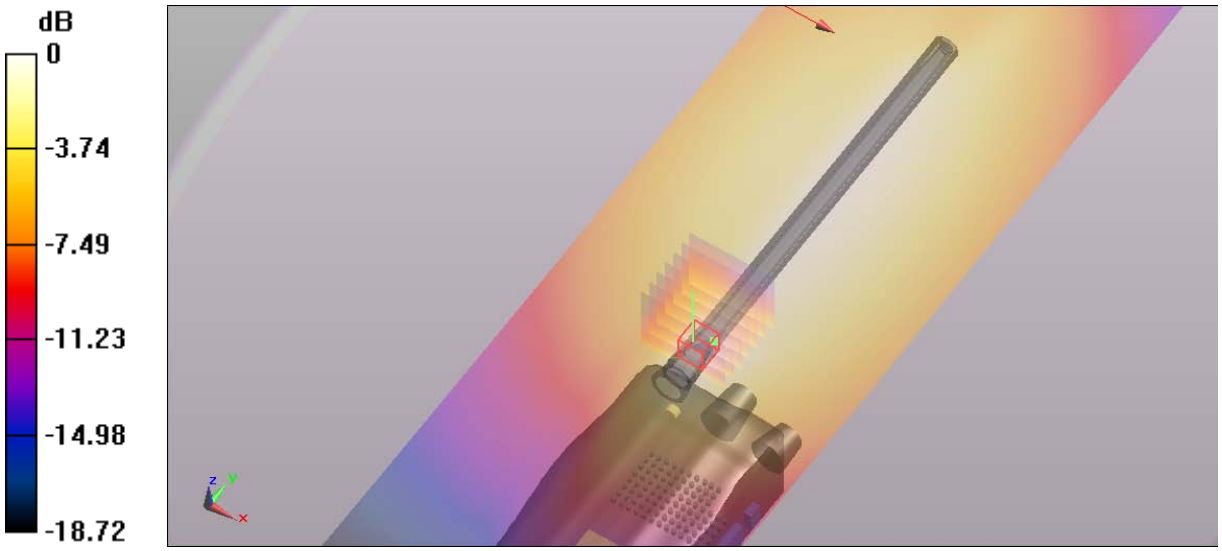
* Communication System: CW; Frequency: 136 MHz; Duty Cycle: 1:1
* Medium parameters used: f = 136 MHz; σ = 0.812 mho/m; ε_r = 62.143; ρ = 1000 kg/m^3
- Electronics: DAE3 Sn442; Probe: ET3DV6 - SN1380; ConvF(8.02, 8.02, 8.02); Calibrated: 12/12/2011
- Phantom: ELI 4.0; Serial: 1101; Phantom section: Flat Section

Configuration/Leather Case D-stud Spring Clip (31mm) Channel 1 Test/Area Scan (81x241x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 1.30 W/kg

Configuration/Leather Case D-stud Spring Clip (31mm) Channel 1 Test/Zoom Scan (8x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

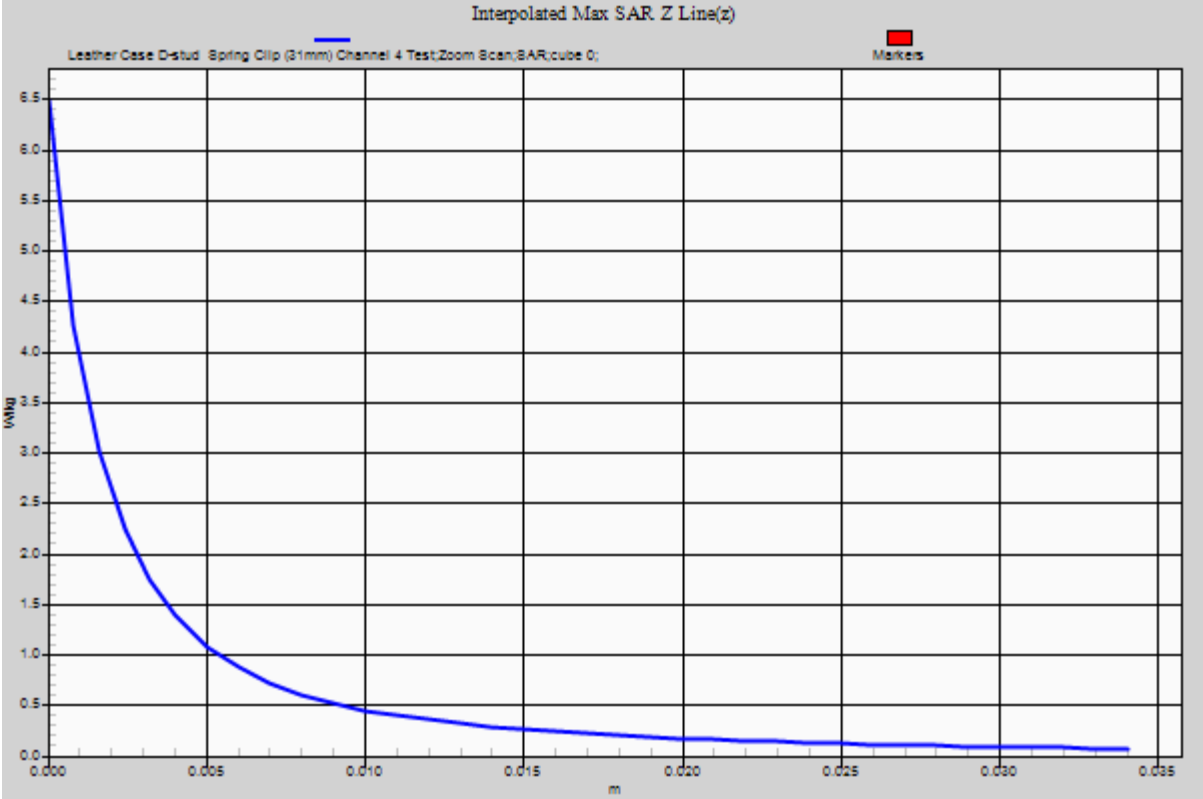
Reference Value = 28.075 V/m; Power Drift = -0.17 dB
Peak SAR (extrapolated) = 2.172 mW/g
SAR(1 g) = 0.772 mW/g
Maximum value of SAR (measured) = 0.792 W/kg



0 dB = 1.30 W/kg = 2.28 dB W/kg

SAR MEASUREMENT PLOT 65

Ambient Temperature	**20.7 Degrees Celsius**
Liquid Temperature	**20.4 Degrees Celsius**
Humidity	**42.0%**



Test Date: 17 October 2012
File Name: M120922 150 MHz Body Worn Antenna 156 MHz 17-10-12.da52:0
DUT: Tait PTT Transceiver; Type: TPDB1A; Serial: 25385967

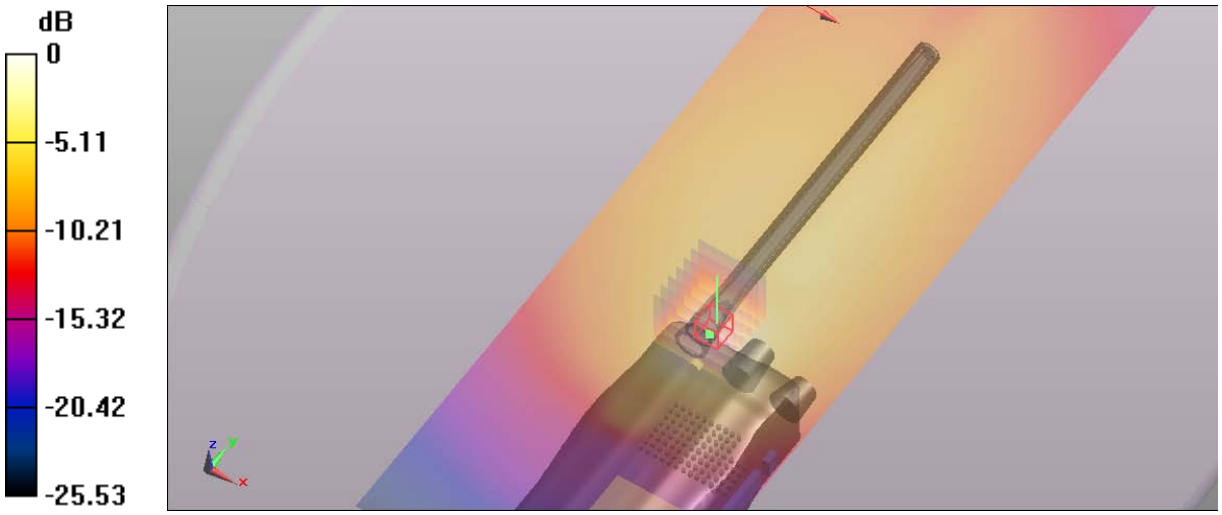
* Communication System: CW; Frequency: 150 MHz; Duty Cycle: 1:1
* Medium parameters used: f = 150 MHz; σ = 0.816 mho/m; ε_r = 62; ρ = 1000 kg/m^3
- Electronics: DAE3 Sn442; Probe: ET3DV6 - SN1380; ConvF(8.02, 8.02, 8.02); Calibrated: 12/12/2011
- Phantom: ELI 4.0; Serial: 1101; Phantom section: Flat Section

Configuration/Leather Case D-stud Spring Clip (31mm) Channel 4 Test/Area Scan (81x241x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 1.14 W/kg

Configuration/Leather Case D-stud Spring Clip (31mm) Channel 4 Test/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

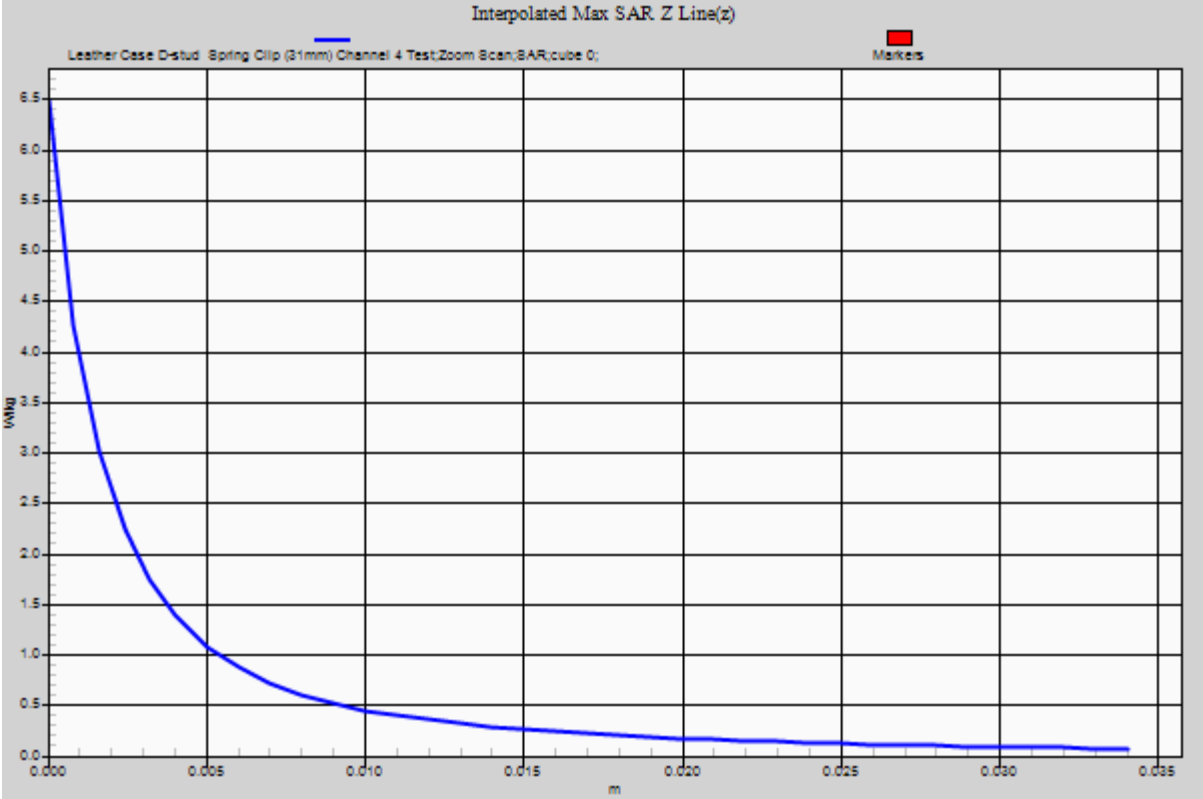
Reference Value = 17.971 V/m; Power Drift = -0.20 dB
Peak SAR (extrapolated) = 6.488 mW/g
SAR(1 g) = 1.48 mW/g
Maximum value of SAR (measured) = 1.37 W/kg



0 dB = 1.14 W/kg = 1.14 dB W/kg

SAR MEASUREMENT PLOT 66

Ambient Temperature	**20.8 Degrees Celsius**
Liquid Temperature	**20.3 Degrees Celsius**
Humidity	**41.0%**


Interpolated Max SAR Z Line(z)
Leather Case D-stud Spring Clip (31mm) Channel 4 Test;Zoom Scan;SAR;cube 0;
Markers
W/kg
6.5
6.0
5.5
5.0
4.5
4.0
3.5
3.0
2.5
2.0
1.5
1.0
0.5
0.0
0.000
0.005
0.010
0.015
0.020
0.025
0.030
0.035
m

Test Date: 17 October 2012
File Name: M120922 150 MHz Body Worn Antenna 168 MHz 17-10-12.da52:0
DUT: Tait PTT Transceiver; Type: TPDB1A; Serial: 25385967

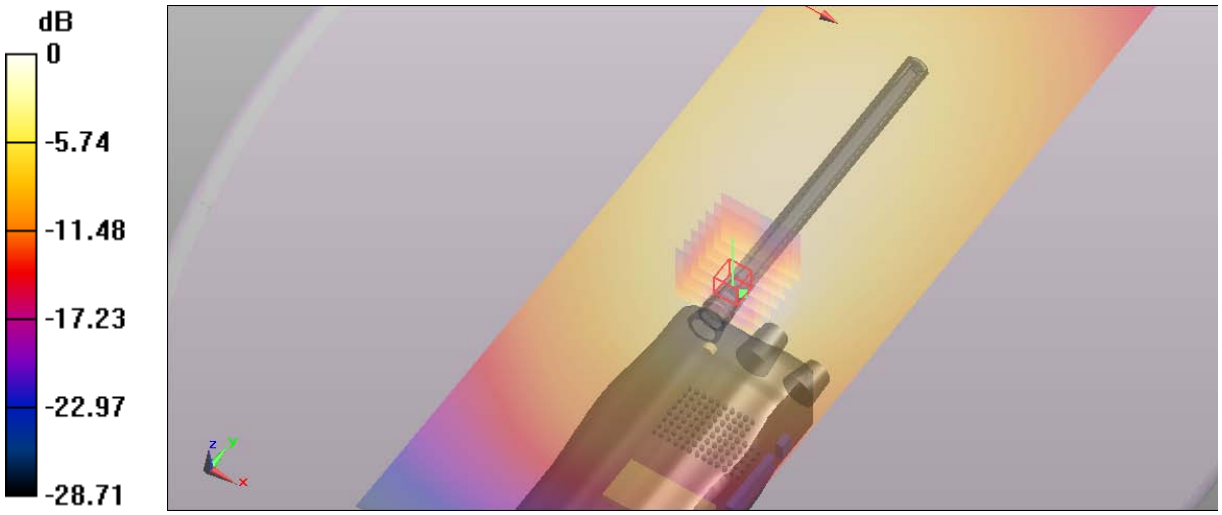
* Communication System: CW; Frequency: 162 MHz; Duty Cycle: 1:1
* Medium parameters used: f = 162 MHz; σ = 0.824 mho/m; ε_r = 61.671; ρ = 1000 kg/m^3
- Electronics: DAE3 Sn442; Probe: ET3DV6 - SN1380; ConvF(8.02, 8.02, 8.02); Calibrated: 12/12/2011
- Phantom: ELI 4.0; Serial: 1101; Phantom section: Flat Section

Configuration/Leather Case D-stud Spring Clip (31mm) Channel 8 Test/Area Scan (81x241x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 5.20 W/kg

Configuration/Leather Case D-stud Spring Clip (31mm) Channel 8 Test/Zoom Scan (8x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

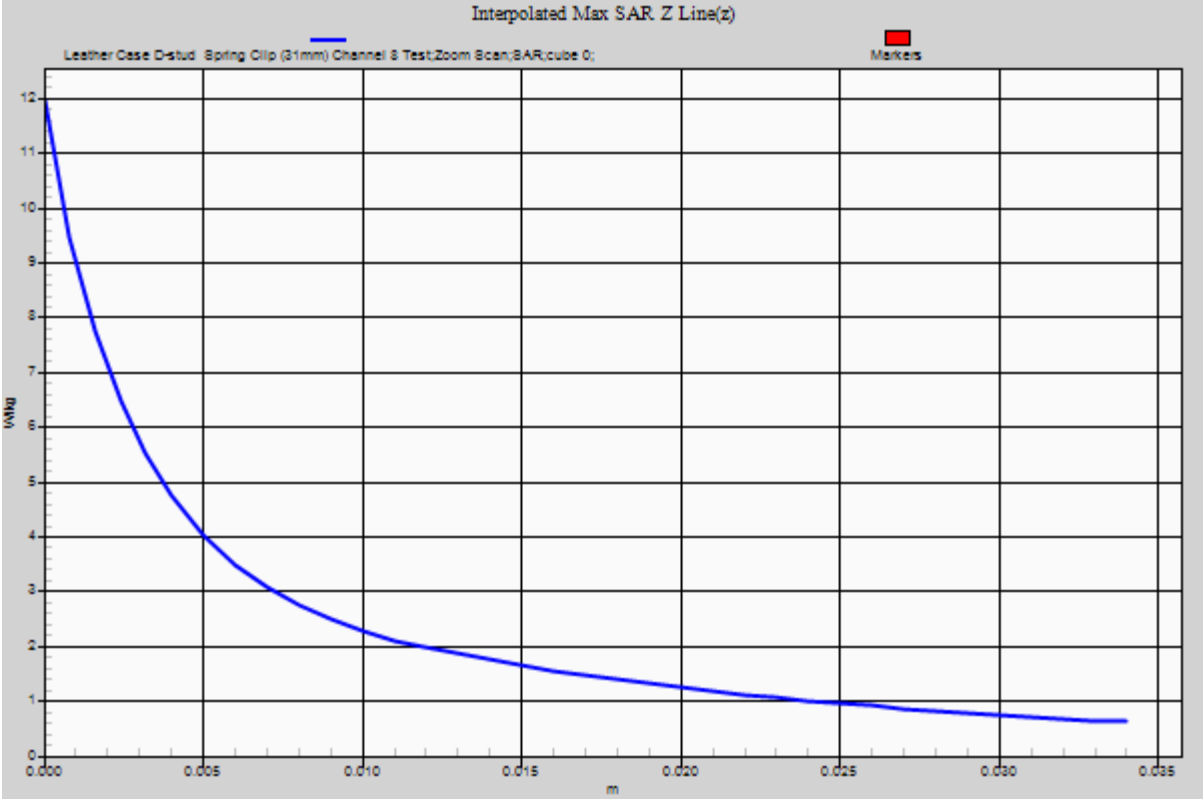
Reference Value = 42.360 V/m; Power Drift = -0.17 dB
Peak SAR (extrapolated) = 11.967 mW/g
SAR(1 g) = 4.1 mW/g
Maximum value of SAR (measured) = 4.77 W/kg



0 dB = 5.20 W/kg = 14.32 dB W/kg

SAR MEASUREMENT PLOT 67

Ambient Temperature	**20.8 Degrees Celsius**
Liquid Temperature	**20.3 Degrees Celsius**
Humidity	**41.0%**



Test Date: 15 October 2012
File Name: M120922 150 MHz Body Worn Antenna Wideband 15-10-12.da52:0
DUT: Tait PTT Transceiver; Type: TPDB1A; Serial: 25385967

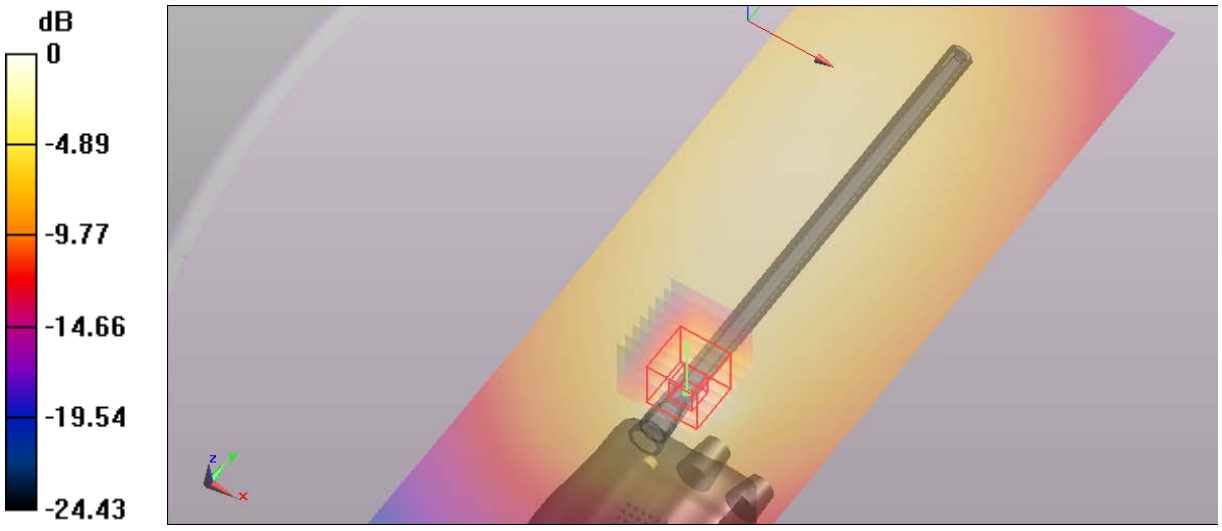
* Communication System: CW; Frequency: 164.5 MHz; Duty Cycle: 1:1
* Medium parameters used: f = 164 MHz; σ = 0.825 mho/m; ε_r = 61.536; ρ = 1000 kg/m^3
- Electronics: DAE3 Sn442; Probe: ET3DV6 - SN1380; ConvF(8.02, 8.02, 8.02); Calibrated: 12/12/2011
- Phantom: ELI 4.0; Serial: 1101; Phantom section: Flat Section

Configuration/Leather Case D-stud Spring Clip (31mm) Channel 9 Test/Area Scan (81x241x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 2.16 W/kg

Configuration/Leather Case D-stud Spring Clip (31mm) Channel 9 Test/Zoom Scan (8x8x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

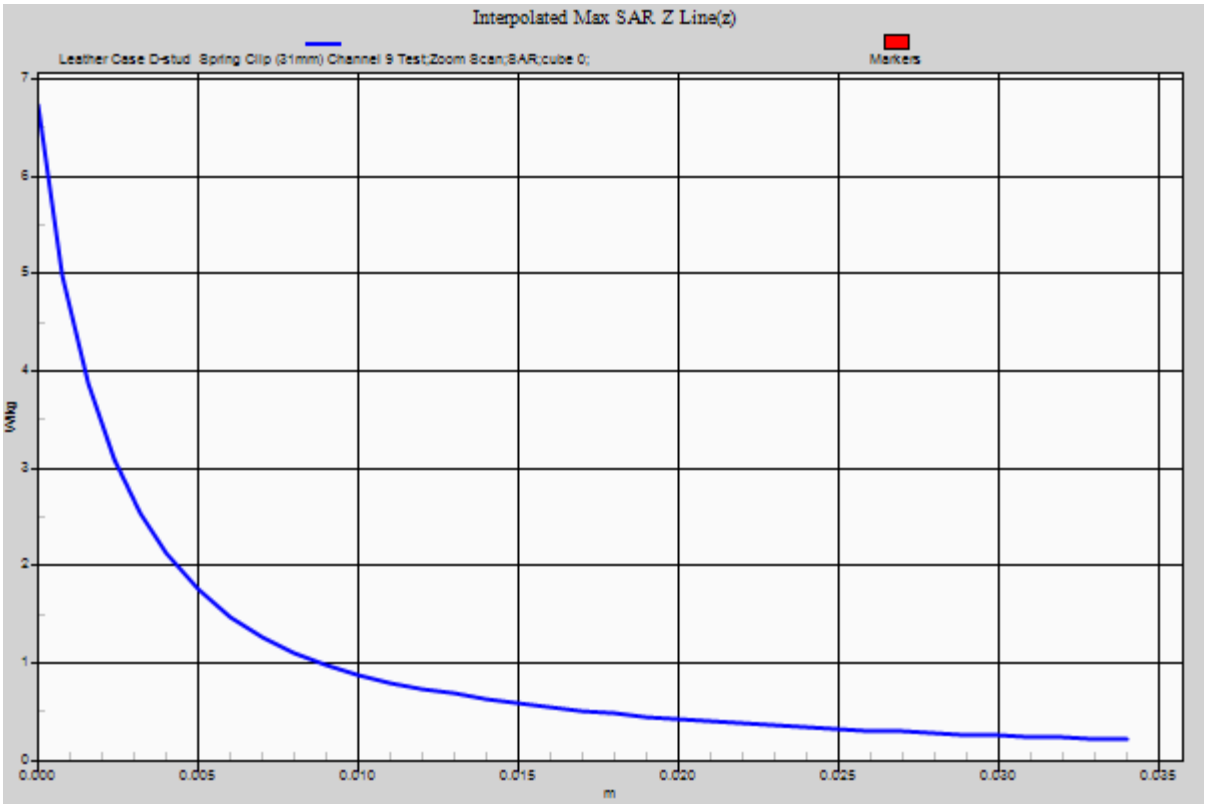
Reference Value = 36.722 V/m; Power Drift = -0.15 dB
Peak SAR (extrapolated) = 6.733 mW/g
SAR(1 g) = 2.16 mW/g; SAR(10 g) = 1.12 mW/g
Maximum value of SAR (measured) = 2.15 W/kg



0 dB = 2.16 W/kg = 6.69 dB W/kg

SAR MEASUREMENT PLOT 68

Ambient Temperature	**20.9 Degrees Celsius**
Liquid Temperature	**20.5 Degrees Celsius**
Humidity	**40.0%**



Test Date: 19 December 2012
File Name: M120922 150 MHz Body Worn Antenna 156 MHz High Capacity Battery 19-12-12.da52:0
DUT: Tait PTT Transceiver; Type: TPDB1A; Serial: 25385967

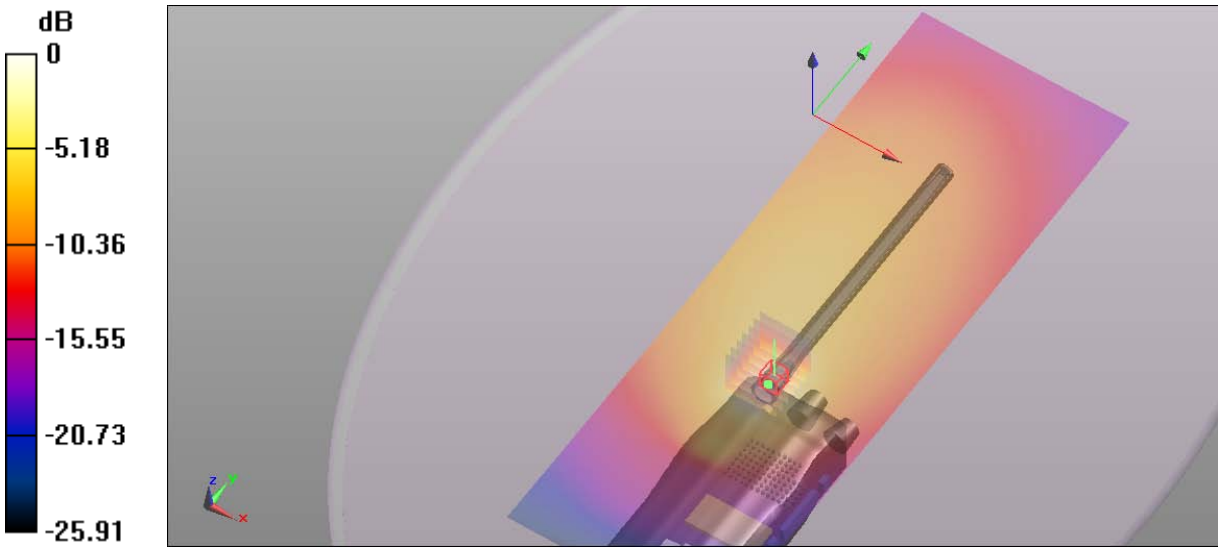
* Communication System: CW; Frequency: 151 MHz; Duty Cycle: 1:1
* Medium parameters used: f = 150 MHz; σ = 0.785 mho/m; ε_r = 61.949; ρ = 1000 kg/m^3
- Electronics: DAE3 Sn442; Probe: ET3DV6 - SN1380; ConvF(8.06, 8.06, 8.06); Calibrated: 10/12/2012
- Phantom: ELI 4.0; Serial: 1101; Phantom section: Flat Section

Configuration/Leather Case D-stud Spring Clip (31mm) Channel 5 Test/Area Scan (81x241x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 2.76 W/kg

Configuration/Leather Case D-stud Spring Clip (31mm) Channel 5 Test/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

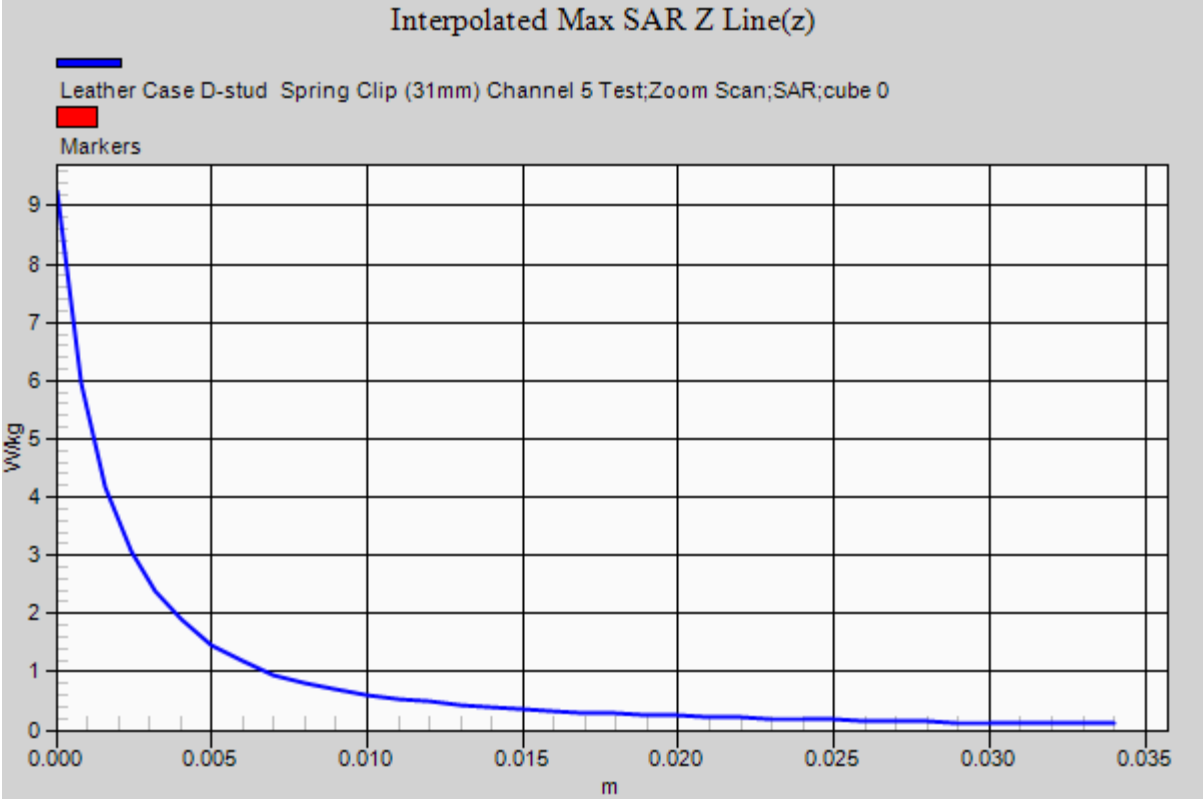
Reference Value = 21.165 V/m; Power Drift = -0.01 dB
Peak SAR (extrapolated) = 9.257 mW/g
SAR(1 g) = 2.01 mW/g
Maximum value of SAR (measured) = 1.85 W/kg



0 dB = 2.76 W/kg = 8.82 dB W/kg

SAR MEASUREMENT PLOT 69

Ambient Temperature	**20.5 Degrees Celsius**
Liquid Temperature	**20.1 Degrees Celsius**
Humidity	**50.0 %**



Test Date: 19 December 2012
File Name: M120922 150 MHz Body Worn Antenna 168 MHz High Capacity Battery 19-12-12.da52:0
DUT: Tait PTT Transceiver; Type: TPDB1A; Serial: 25385967

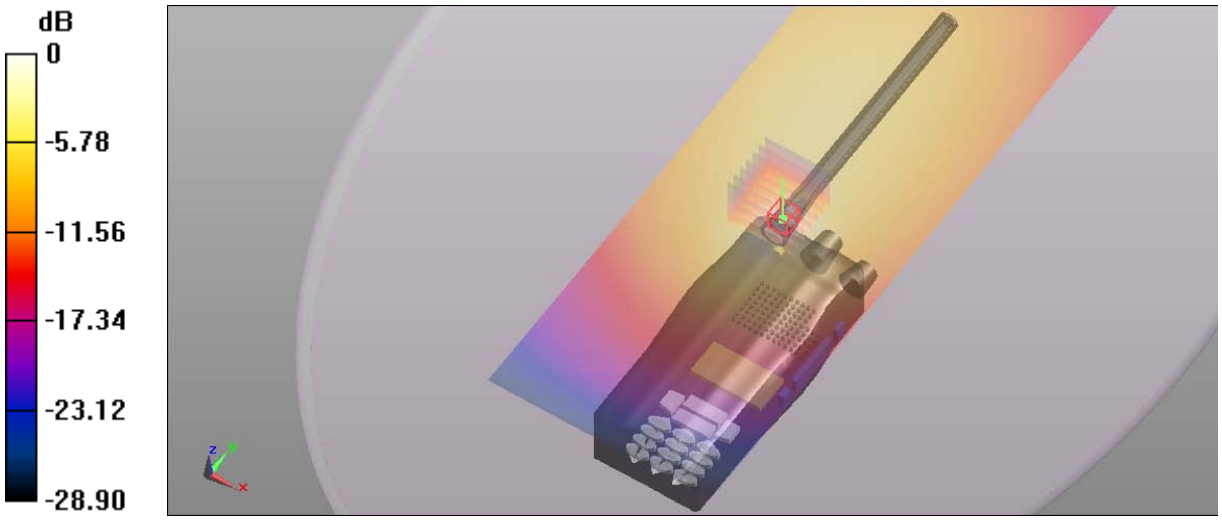
* Communication System: CW; Frequency: 162 MHz; Duty Cycle: 1:1
* Medium parameters used: f = 162 MHz; σ = 0.794 mho/m; ε_r = 61.484; ρ = 1000 kg/m^3
- Electronics: DAE3 Sn442; Probe: ET3DV6 - SN1380; ConvF(8.06, 8.06, 8.06); Calibrated: 10/12/2012
- Phantom: ELI 4.0; Serial: 1101; Phantom section: Flat Section

Configuration/Leather Case D-stud Spring Clip (31mm) Channel 8 Test/Area Scan (81x241x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 10.6 W/kg

Configuration/Leather Case D-stud Spring Clip (31mm) Channel 8 Test/Zoom Scan (8x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

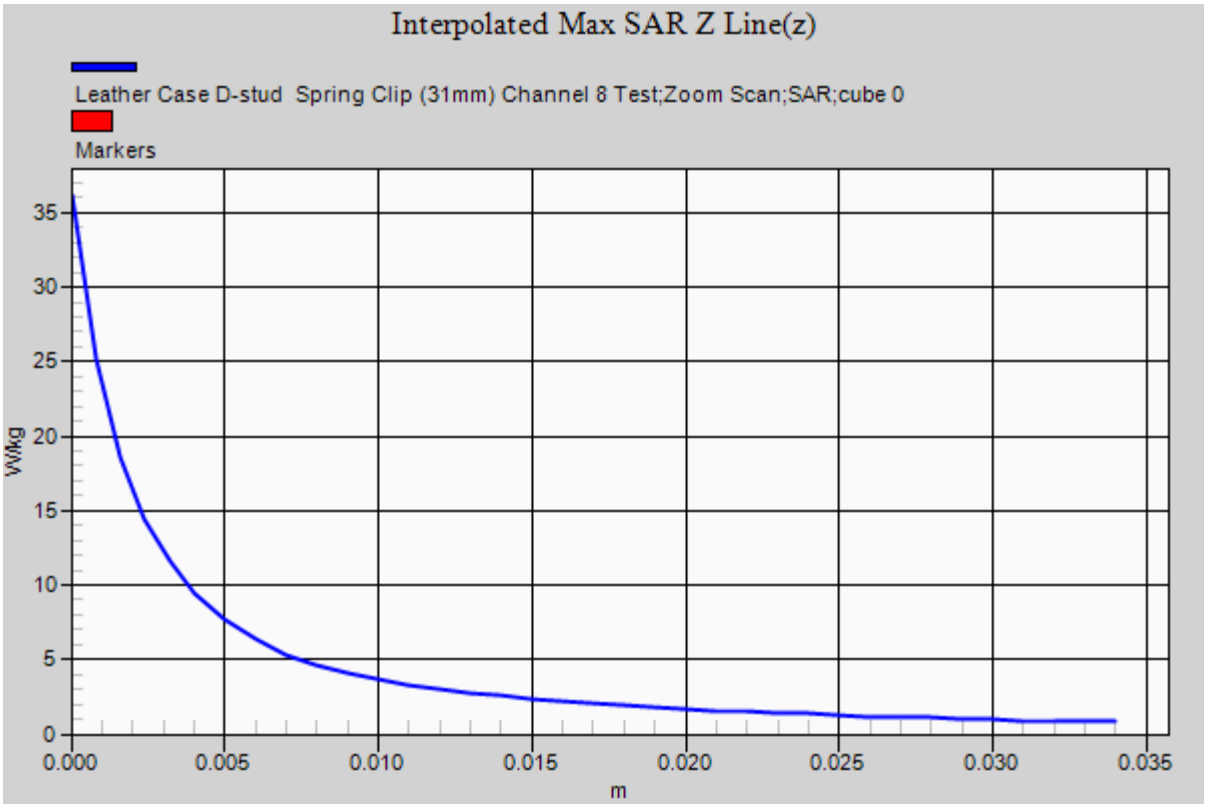
Reference Value = 64.558 V/m; Power Drift = -0.11 dB
Peak SAR (extrapolated) = 36.204 mW/g
SAR(1 g) = 9.85 mW/g
Maximum value of SAR (measured) = 9.52 W/kg



0 dB = 10.6 W/kg = 20.51 dB W/kg

SAR MEASUREMENT PLOT 70

Ambient Temperature	**20.5 Degrees Celsius**
Liquid Temperature	**20.1 Degrees Celsius**
Humidity	**50.0 %**



Test Date: 19 December 2012
File Name: M120922 150 MHz Body Worn Antenna 168 MHz High Capacity Battery 19-12-12.da52:0
DUT: Tait PTT Transceiver; Type: TPDB1A; Serial: 25385967

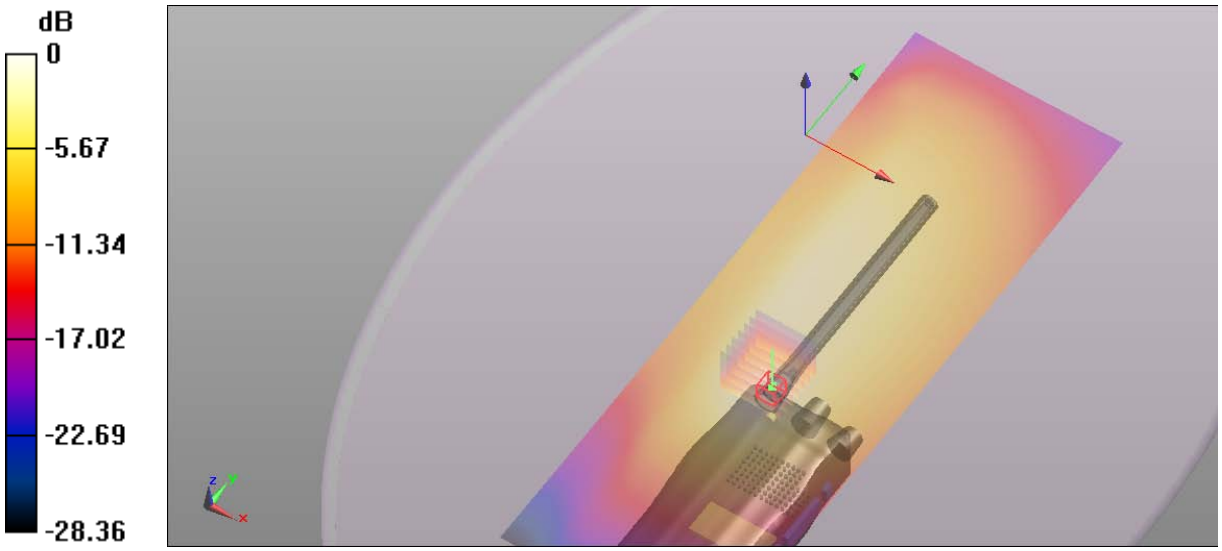
* Communication System: CW; Frequency: 168 MHz; Duty Cycle: 1:1
* Medium parameters used: f = 168 MHz; σ = 0.798 mho/m; ε_r = 61.215; ρ = 1000 kg/m^3
- Electronics: DAE3 Sn442; Probe: ET3DV6 - SN1380; ConvF(8.06, 8.06, 8.06); Calibrated: 10/12/2012
- Phantom: ELI 4.0; Serial: 1101; Phantom section: Flat Section

Configuration/Leather Case D-stud Spring Clip (31mm) Channel 10 Test/Area Scan (81x241x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 4.04 W/kg

Configuration/Leather Case D-stud Spring Clip (31mm) Channel 10 Test/Zoom Scan (8x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

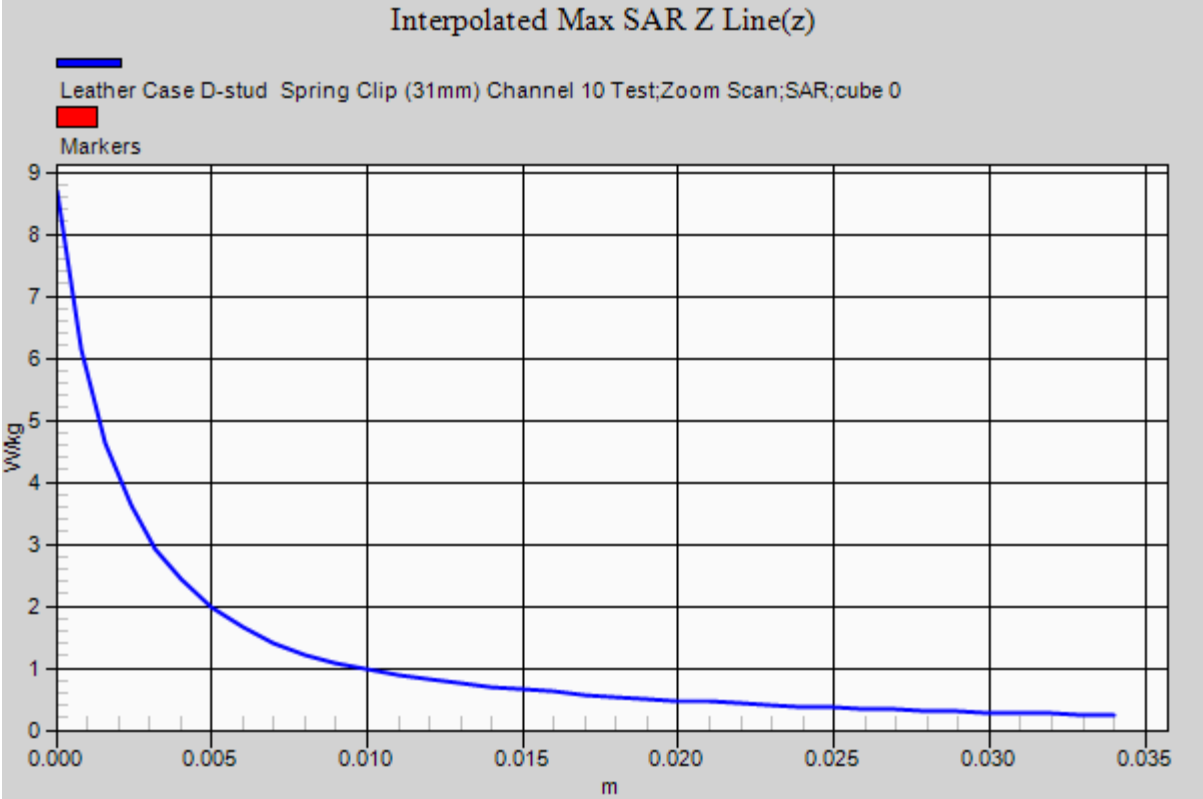
Reference Value = 36.664 V/m; Power Drift = 0.08 dB
Peak SAR (extrapolated) = 8.698 mW/g
SAR(1 g) = 2.48 mW/g
Maximum value of SAR (measured) = 2.39 W/kg



0 dB = 4.04 W/kg = 12.13 dB W/kg

SAR MEASUREMENT PLOT 71

Ambient Temperature	**20.5 Degrees Celsius**
Liquid Temperature	**20.1 Degrees Celsius**
Humidity	**50.0 %**



Test Date: 19 December 2012
File Name: M120922 150 MHz Body Worn Antenna Wideband High Capacity Battery 19-12-12.da52:0
DUT: Tait PTT Transceiver; Type: TPDB1A; Serial: 25385967

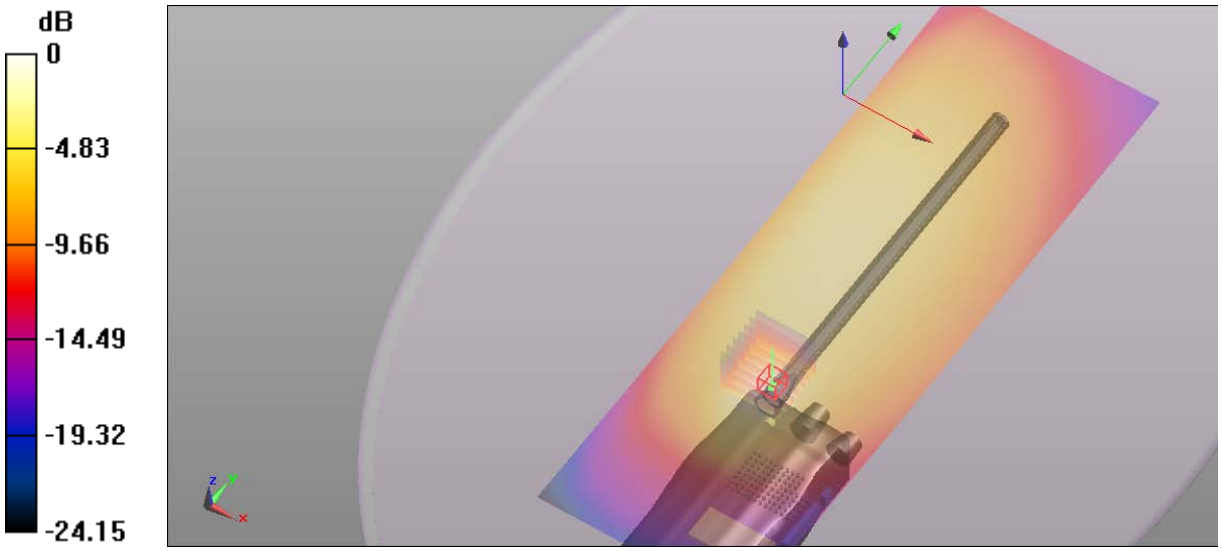
* Communication System: CW; Frequency: 164.5 MHz; Duty Cycle: 1:1
* Medium parameters used: f = 164 MHz; σ = 0.796 mho/m; ε_r = 61.407; ρ = 1000 kg/m^3
- Electronics: DAE3 Sn442; Probe: ET3DV6 - SN1380; ConvF(8.06, 8.06, 8.06); Calibrated: 10/12/2012
- Phantom: ELI 4.0; Serial: 1101; Phantom section: Flat Section

Configuration/Leather Case D-stud Spring Clip (31mm) Channel 9 Test/Area Scan (81x241x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 2.36 W/kg

Configuration/Leather Case D-stud Spring Clip (31mm) Channel 9 Test/Zoom Scan (8x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

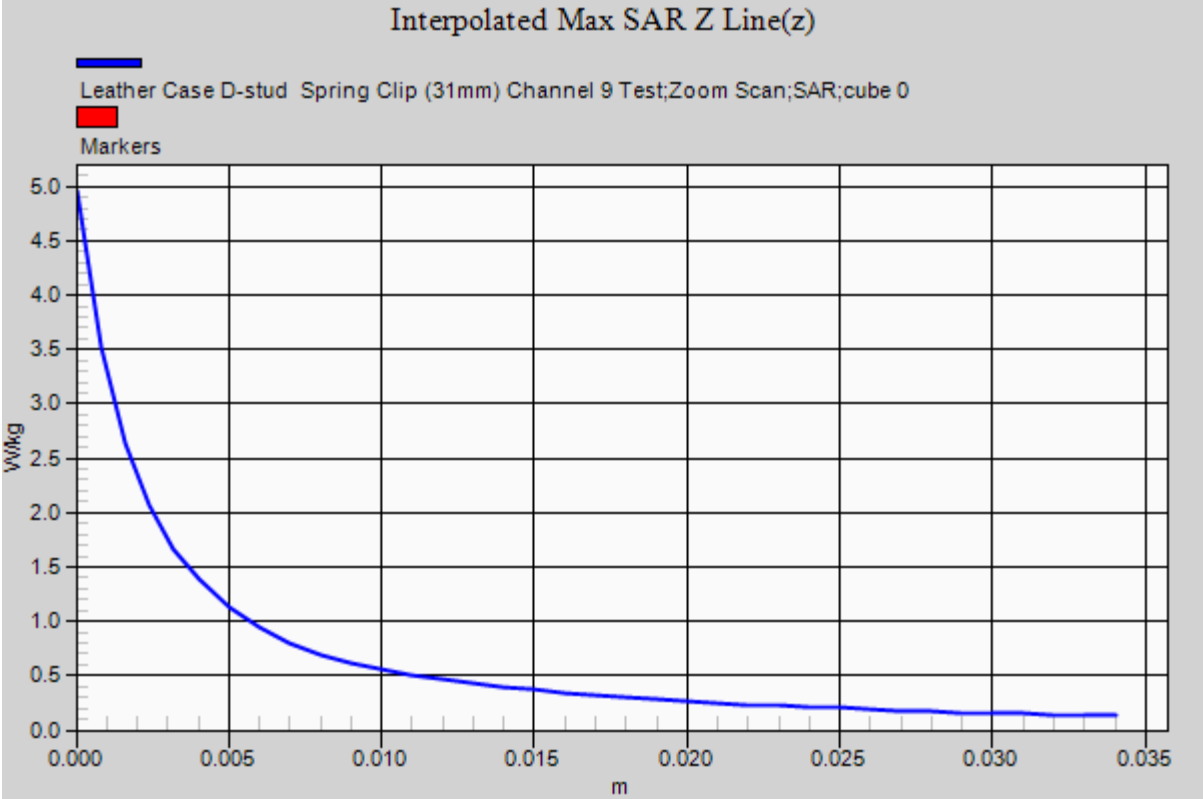
Reference Value = 28.177 V/m; Power Drift = -0.03 dB
Peak SAR (extrapolated) = 4.959 mW/g
SAR(1 g) = 1.43 mW/g
Maximum value of SAR (measured) = 1.39 W/kg



0 dB = 2.36 W/kg = 7.46 dB W/kg

SAR MEASUREMENT PLOT 72

Ambient Temperature	**20.5 Degrees Celsius**
Liquid Temperature	**20.1 Degrees Celsius**
Humidity	**50.0 %**



Test Date: 16 October 2012
File Name: M120922 150 MHz Body Worn Antenna 143.5 MHz 16-10-12.da52:0
DUT: Tait PTT Transceiver; Type: TPDB1A; Serial: 25385967

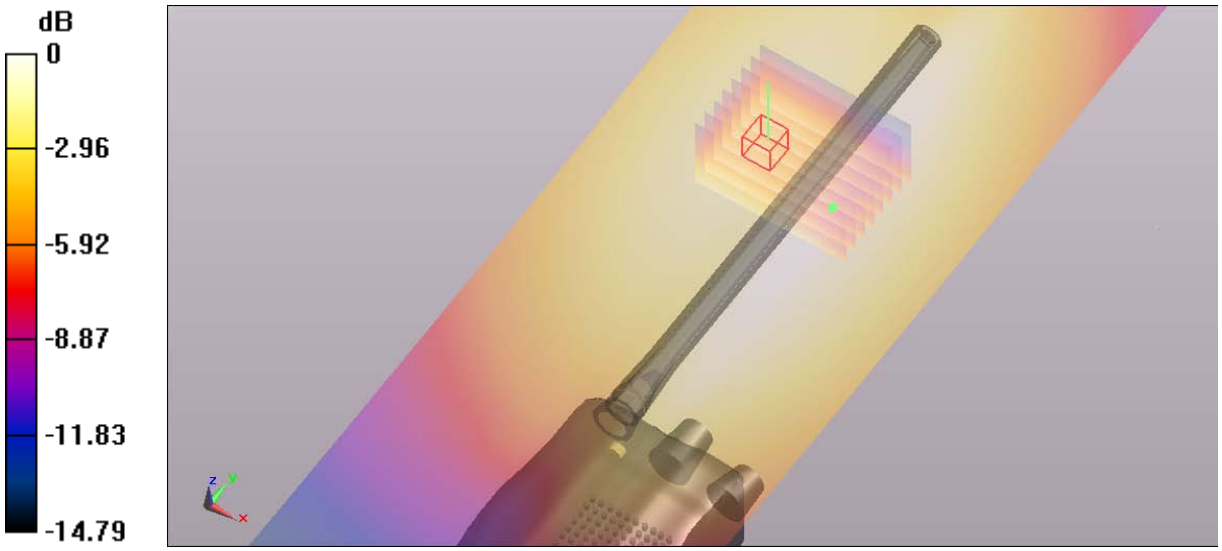
* Communication System: CW; Frequency: 136 MHz; Duty Cycle: 1:1
* Medium parameters used: f = 136 MHz; σ = 0.812 mho/m; ε_r = 62.143; ρ = 1000 kg/m^3
- Electronics: DAE3 Sn442; Probe: ET3DV6 - SN1380; ConvF(8.02, 8.02, 8.02); Calibrated: 12/12/2011
- Phantom: ELI 4.0; Serial: 1101; Phantom section: Flat Section

Configuration/Leather Case D-stud Belt loop (42mm) Channel 1 Test/Area Scan (81x241x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.559 W/kg

Configuration/Leather Case D-stud Belt loop (42mm) Channel 1 Test/Zoom Scan (12x8x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

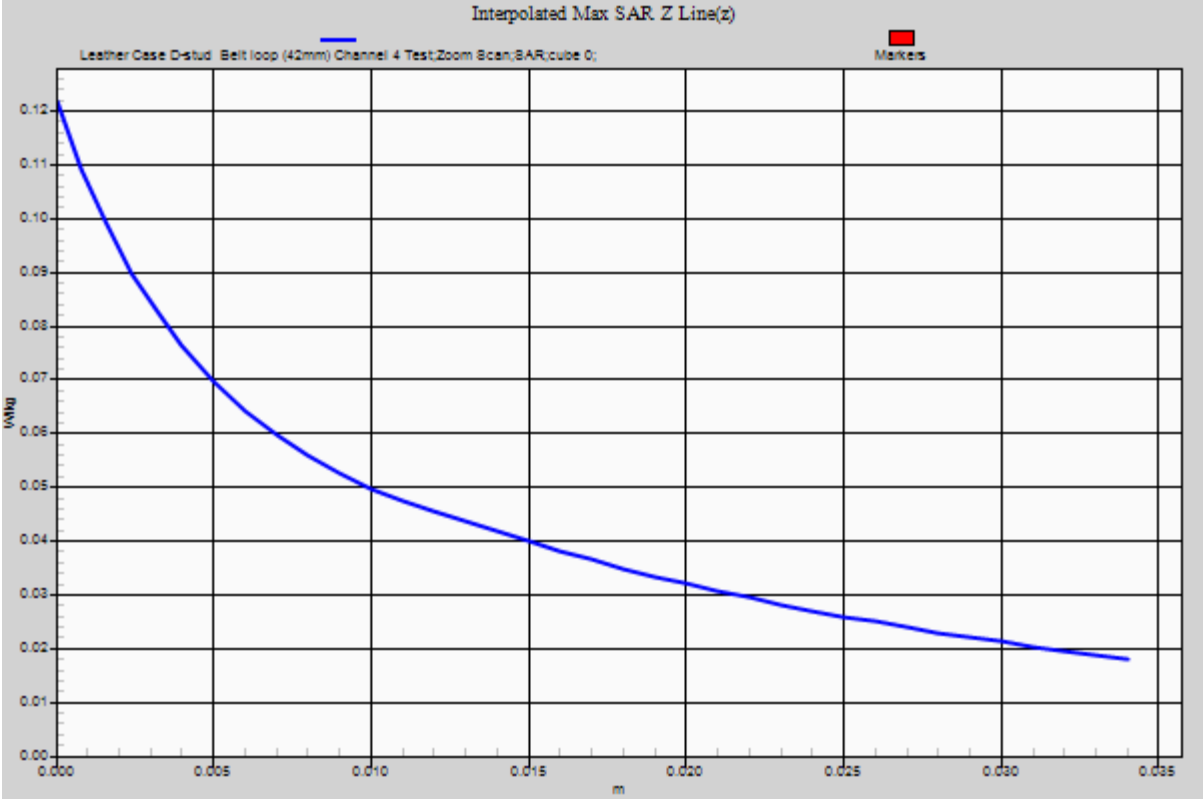
Reference Value = 21.744 V/m; Power Drift = -0.16 dB
Peak SAR (extrapolated) = 0.611 mW/g
SAR(1 g) = 0.405 mW/g
Maximum value of SAR (measured) = 0.419 W/kg



0 dB = 0.559 W/kg = -5.05 dB W/kg

SAR MEASUREMENT PLOT 73

Ambient Temperature	**20.7 Degrees Celsius**
Liquid Temperature	**20.4 Degrees Celsius**
Humidity	**42.0%**



Test Date: 17 October 2012
File Name: M120922 150 MHz Body Worn Antenna 156 MHz 17-10-12.da52:0
DUT: Tait PTT Transceiver; Type: TPDB1A; Serial: 25385967

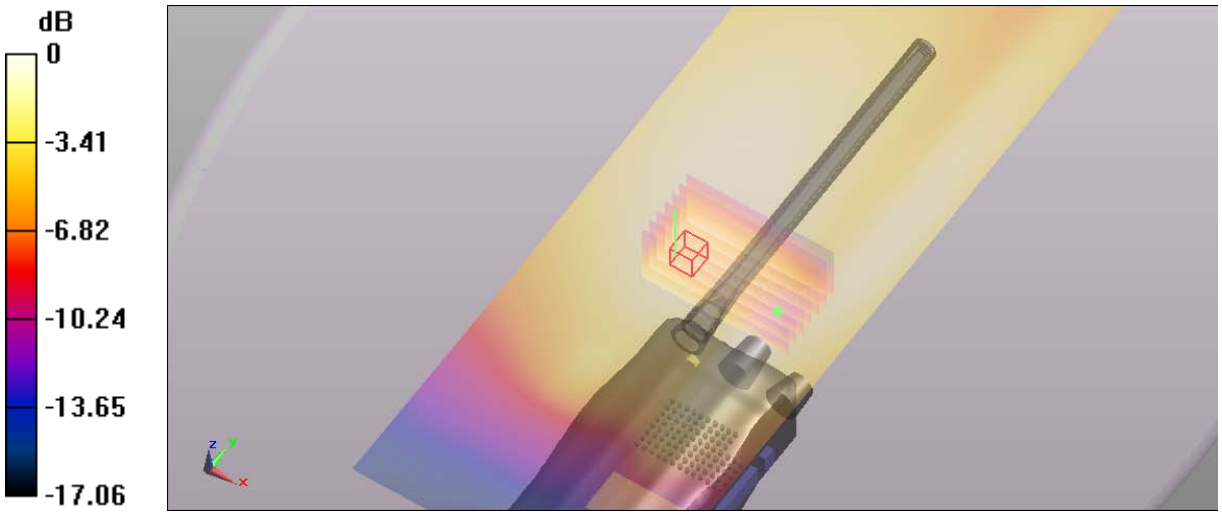
* Communication System: CW; Frequency: 150 MHz; Duty Cycle: 1:1
* Medium parameters used: f = 150 MHz; σ = 0.816 mho/m; ε_r = 62; ρ = 1000 kg/m^3
- Electronics: DAE3 Sn442; Probe: ET3DV6 - SN1380; ConvF(8.02, 8.02, 8.02); Calibrated: 12/12/2011
- Phantom: ELI 4.0; Serial: 1101; Phantom section: Flat Section

Configuration/Leather Case D-stud Belt loop (42mm) Channel 4 Test/Area Scan (81x241x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.0915 W/kg

Configuration/Leather Case D-stud Belt loop (42mm) Channel 4 Test/Zoom Scan (14x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

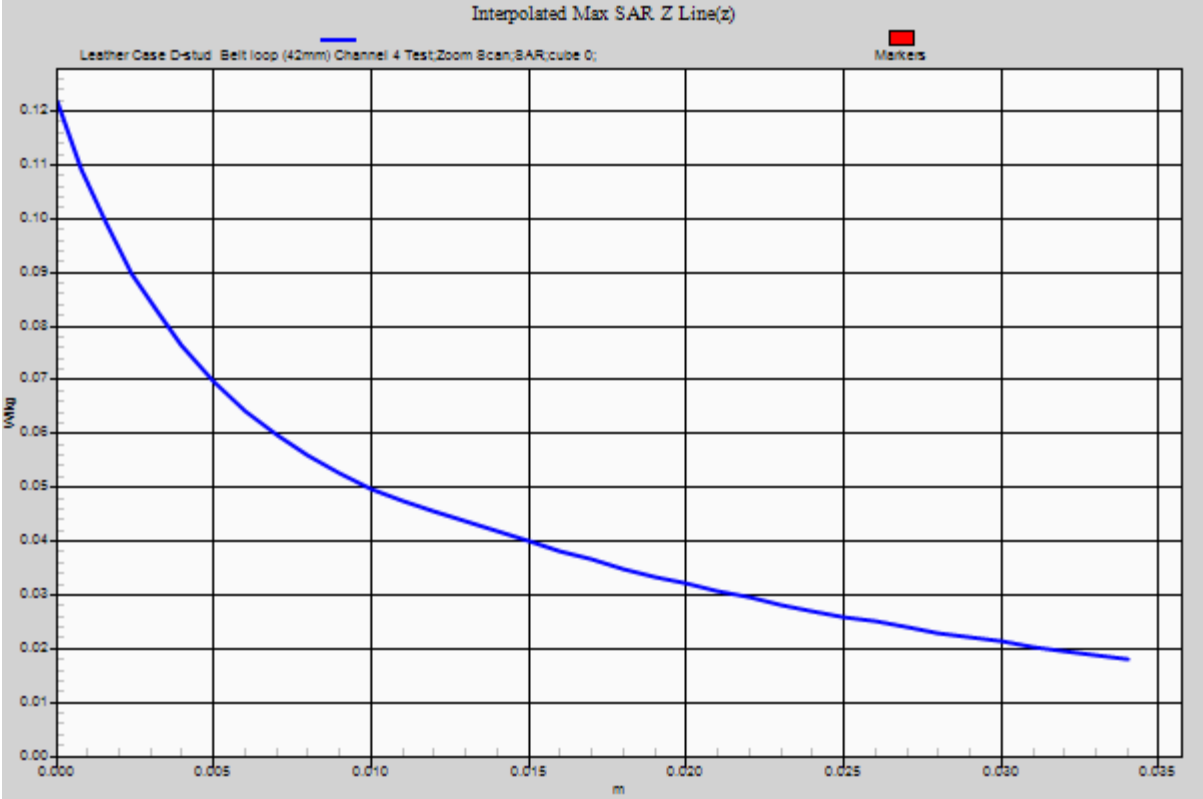
Reference Value = 9.232 V/m; Power Drift = -0.20 dB
Peak SAR (extrapolated) = 0.122 mW/g
SAR(1 g) = 0.075 mW/g
Maximum value of SAR (measured) = 0.0769 W/kg



0 dB = 0.0915 W/kg = -20.77 dB W/kg

SAR MEASUREMENT PLOT 74

Ambient Temperature	**20.8 Degrees Celsius**
Liquid Temperature	**20.3 Degrees Celsius**
Humidity	**41.0%**



Test Date: 17 October 2012
File Name: M120922 150 MHz Body Worn Antenna 168 MHz 17-10-12.da52:0
DUT: Tait PTT Transceiver; Type: TPDB1A; Serial: 25385967

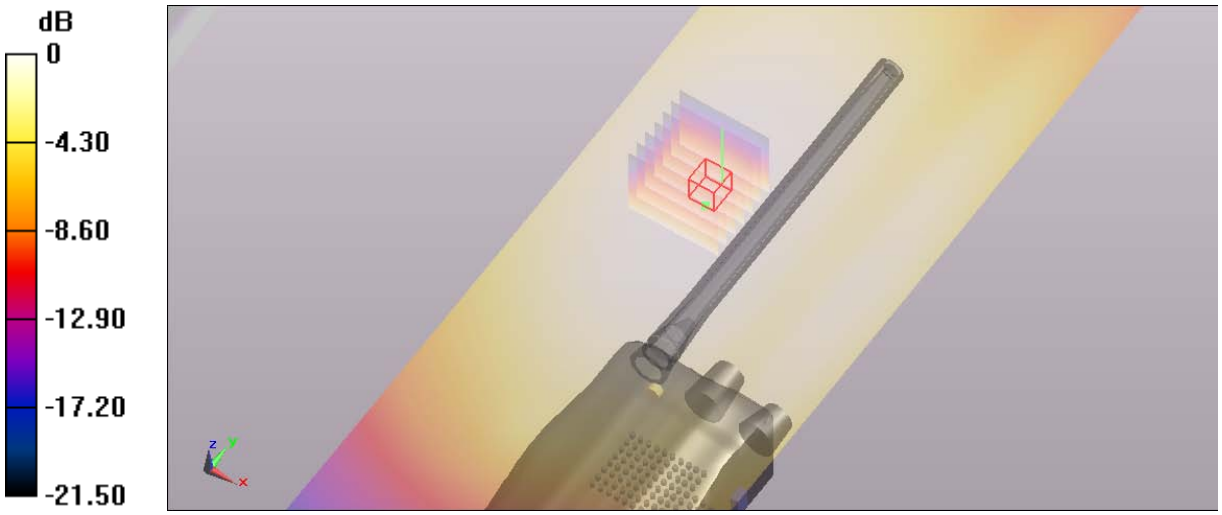
* Communication System: CW; Frequency: 162 MHz; Duty Cycle: 1:1
* Medium parameters used: f = 162 MHz; σ = 0.824 mho/m; ε_r = 61.671; ρ = 1000 kg/m^3
- Electronics: DAE3 Sn442; Probe: ET3DV6 - SN1380; ConvF(8.02, 8.02, 8.02); Calibrated: 12/12/2011
- Phantom: ELI 4.0; Serial: 1101; Phantom section: Flat Section

Configuration/Leather Case D-stud Belt loop (42mm) Channel 8 Test/Area Scan (81x241x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.529 W/kg

Configuration/Leather Case D-stud Belt loop (42mm) Channel 8 Test/Zoom Scan (8x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

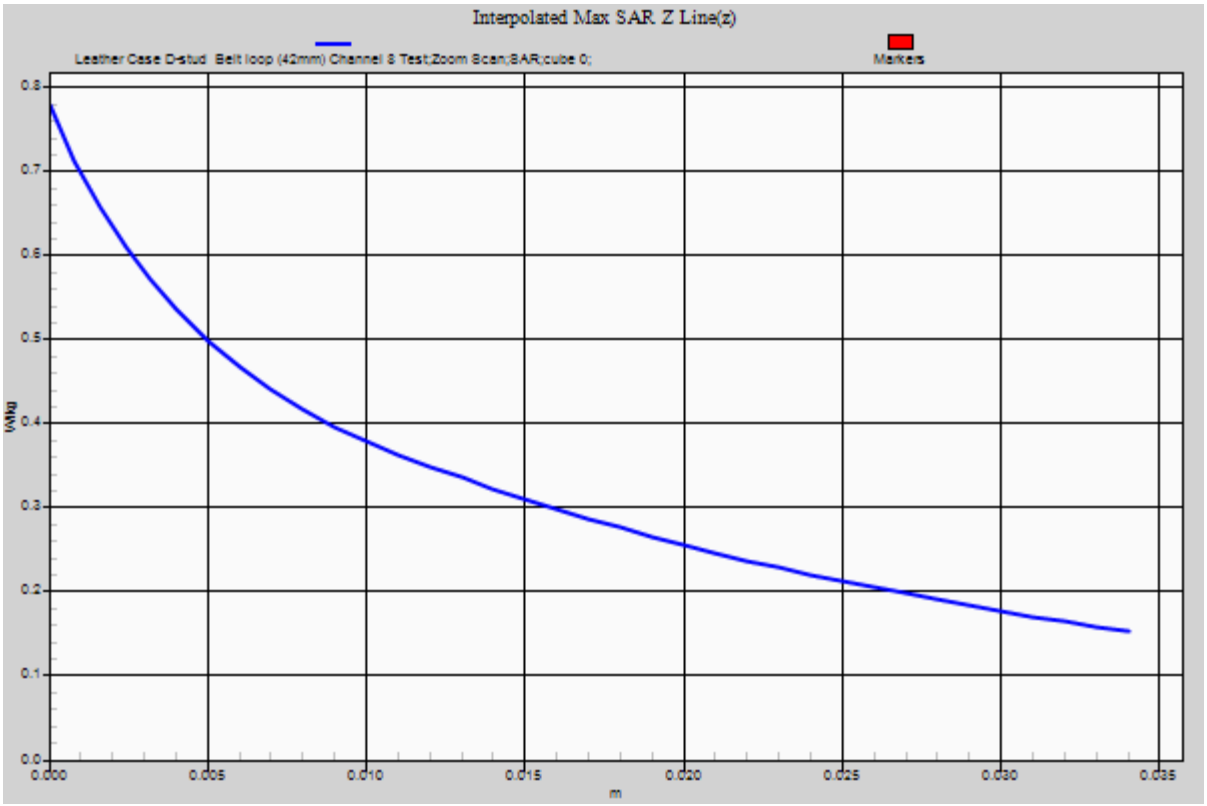
Reference Value = 25.423 V/m; Power Drift = -0.13 dB
Peak SAR (extrapolated) = 0.780 mW/g
SAR(1 g) = 0.521 mW/g
Maximum value of SAR (measured) = 0.536 W/kg



0 dB = 0.529 W/kg = -5.53 dB W/kg

SAR MEASUREMENT PLOT 75

Ambient Temperature	**20.8 Degrees Celsius**
Liquid Temperature	**20.3 Degrees Celsius**
Humidity	**41.0%**



Test Date: 15 October 2012
File Name: M120922 150 MHz Body Worn Antenna Wideband 15-10-12.da52:0
DUT: Tait PTT Transceiver; Type: TPDB1A; Serial: 25385967

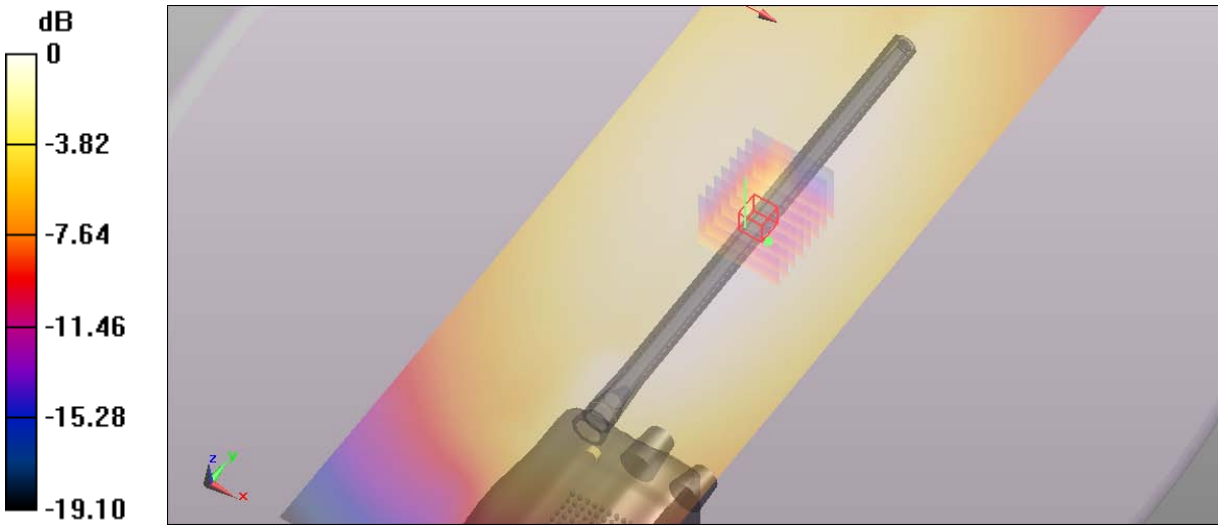
* Communication System: CW; Frequency: 164.5 MHz; Duty Cycle: 1:1
* Medium parameters used: f = 164 MHz; σ = 0.825 mho/m; ε_r = 61.536; ρ = 1000 kg/m^3
- Electronics: DAE3 Sn442; Probe: ET3DV6 - SN1380; ConvF(8.02, 8.02, 8.02); Calibrated: 12/12/2011
- Phantom: ELI 4.0; Serial: 1101; Phantom section: Flat Section

Configuration/Leather Case D-stud Belt loop (42mm) Channel 9 Test/Area Scan (81x241x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.525 W/kg

Configuration/Leather Case D-stud Belt loop (42mm) Channel 9 Test/Zoom Scan (8x8x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

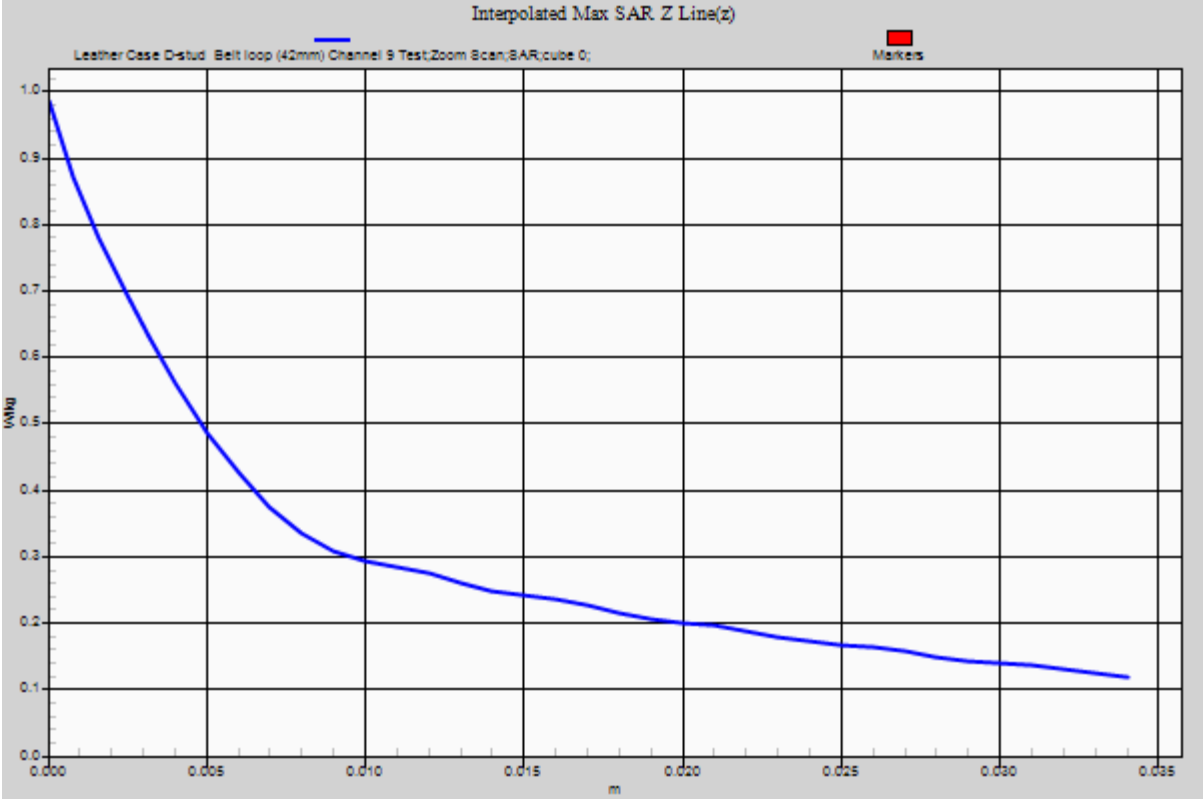
Reference Value = 21.054 V/m; Power Drift = -0.18 dB
Peak SAR (extrapolated) = 0.986 mW/g
SAR(1 g) = 0.534 mW/g
Maximum value of SAR (measured) = 0.576 W/kg



0 dB = 0.525 W/kg = -5.60 dB W/kg

SAR MEASUREMENT PLOT 76

Ambient Temperature	**20.9 Degrees Celsius**
Liquid Temperature	**20.5 Degrees Celsius**
Humidity	**40.0%**



Test Date: 19 December 2012
File Name: M120922 150 MHz Body Worn Antenna Wideband High Capacity Battery 19-12-12.da52:0
DUT: Tait PTT Transceiver; Type: TPDB1A; Serial: 25385967

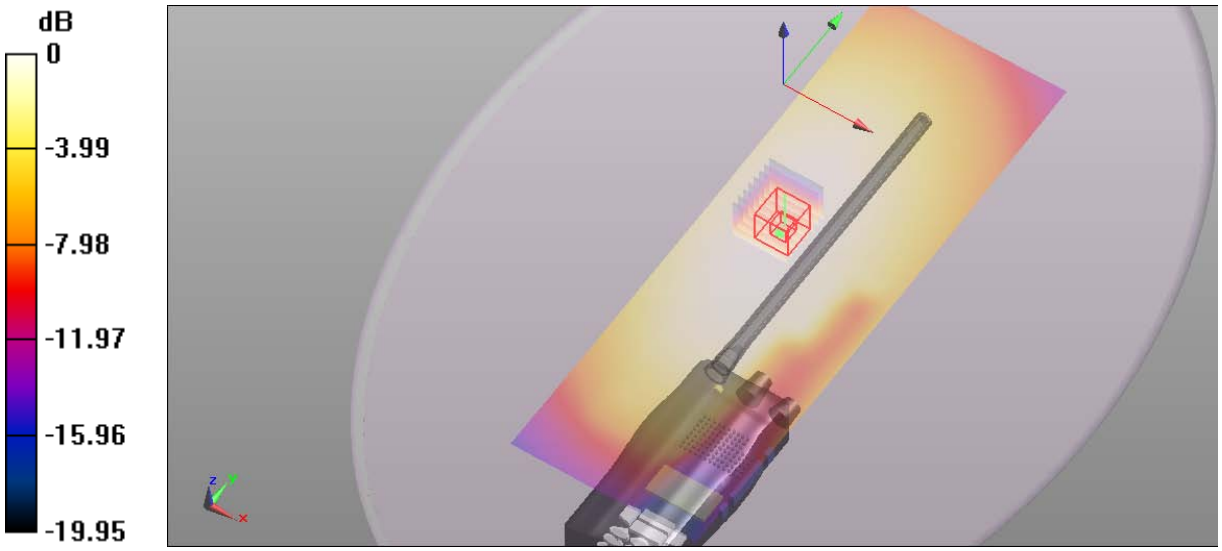
* Communication System: CW; Frequency: 164.5 MHz; Duty Cycle: 1:1
* Medium parameters used: f = 164 MHz; σ = 0.796 mho/m; ε_r = 61.407; ρ = 1000 kg/m^3
- Electronics: DAE3 Sn442; Probe: ET3DV6 - SN1380; ConvF(8.06, 8.06, 8.06); Calibrated: 10/12/2012
- Phantom: ELI 4.0; Serial: 1101; Phantom section: Flat Section

Configuration/Leather Case D-Stud Belt loop (42mm) Channel 9 Test/Area Scan (81x241x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.409 W/kg

Configuration/Leather Case D-Stud Belt loop (42mm) Channel 9 Test/Zoom Scan (8x8x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

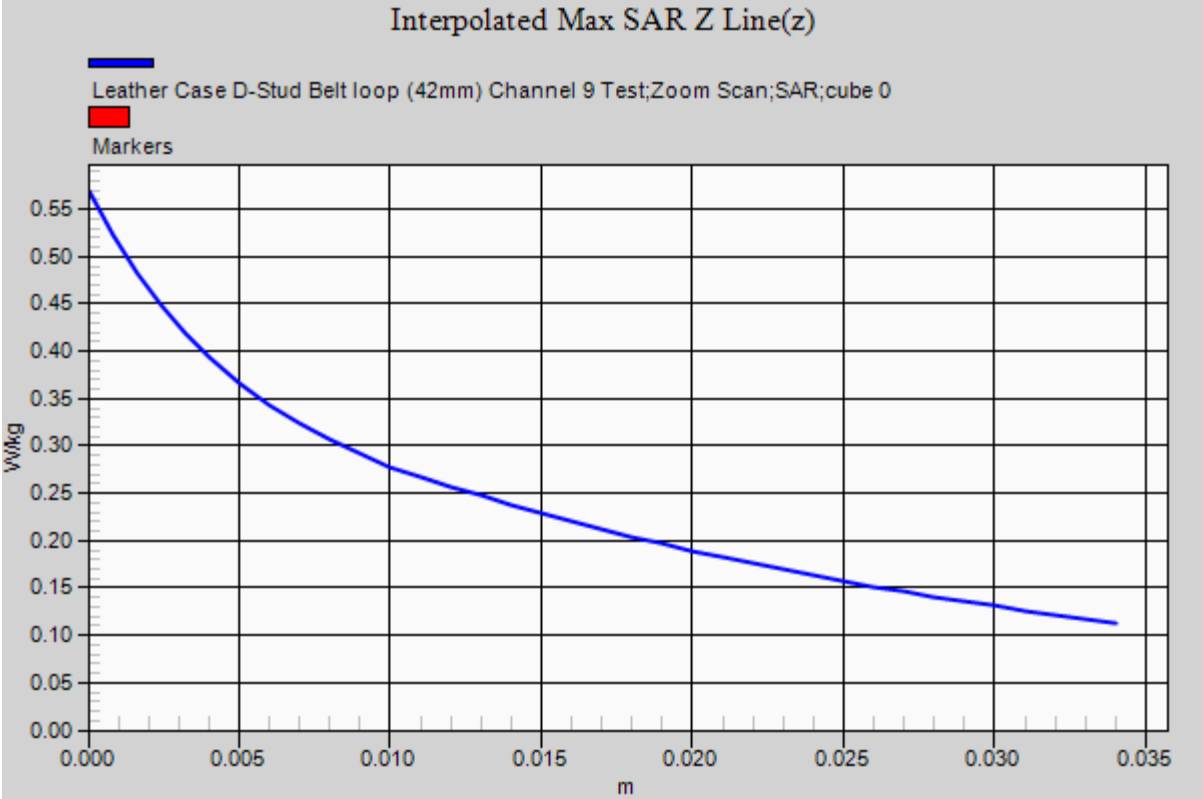
Reference Value = 22.178 V/m; Power Drift = -0.02 dB
Peak SAR (extrapolated) = 0.569 mW/g
SAR(1 g) = 0.384 mW/g; SAR(10 g) = 0.296 mW/g
Maximum value of SAR (measured) = 0.395 W/kg



0 dB = 0.409 W/kg = -7.77 dB W/kg

SAR MEASUREMENT PLOT 77

Ambient Temperature	**20.5 Degrees Celsius**
Liquid Temperature	**20.1 Degrees Celsius**
Humidity	**50.0 %**



Test Date: 10 January 2013
File Name: M120922 150 MHz Body Worn Antenna HC Battery 156 MHz 4-Key 10-01-13.da52:0
DUT: Tait PTT Transceiver; Type: TPDB1A 4-key variant; Serial: 25405626

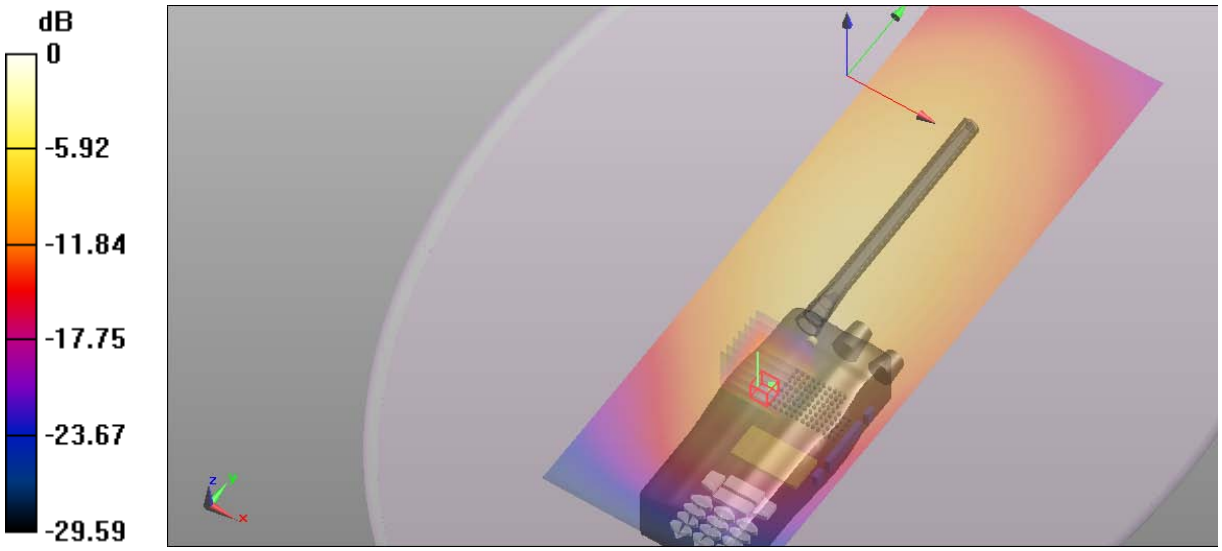
* Communication System: CW; Frequency: 151 MHz; Duty Cycle: 1:1
* Medium parameters used: f = 150 MHz; σ = 0.765 mho/m; ε_r = 61.772; ρ = 1000 kg/m^3
- Electronics: DAE3 Sn442; Probe: ET3DV6 - SN1380; ConvF(8.06, 8.06, 8.06); Calibrated: 10/12/2012
- Phantom: ELI 4.0; Serial: 1101; Phantom section: Flat Section

Configuration/Leather Case Spring clip (17mm) Channel 5 Test/Area Scan (81x241x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 15.3 W/kg

Configuration/Leather Case Spring clip (17mm) Channel 5 Test/Zoom Scan (8x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

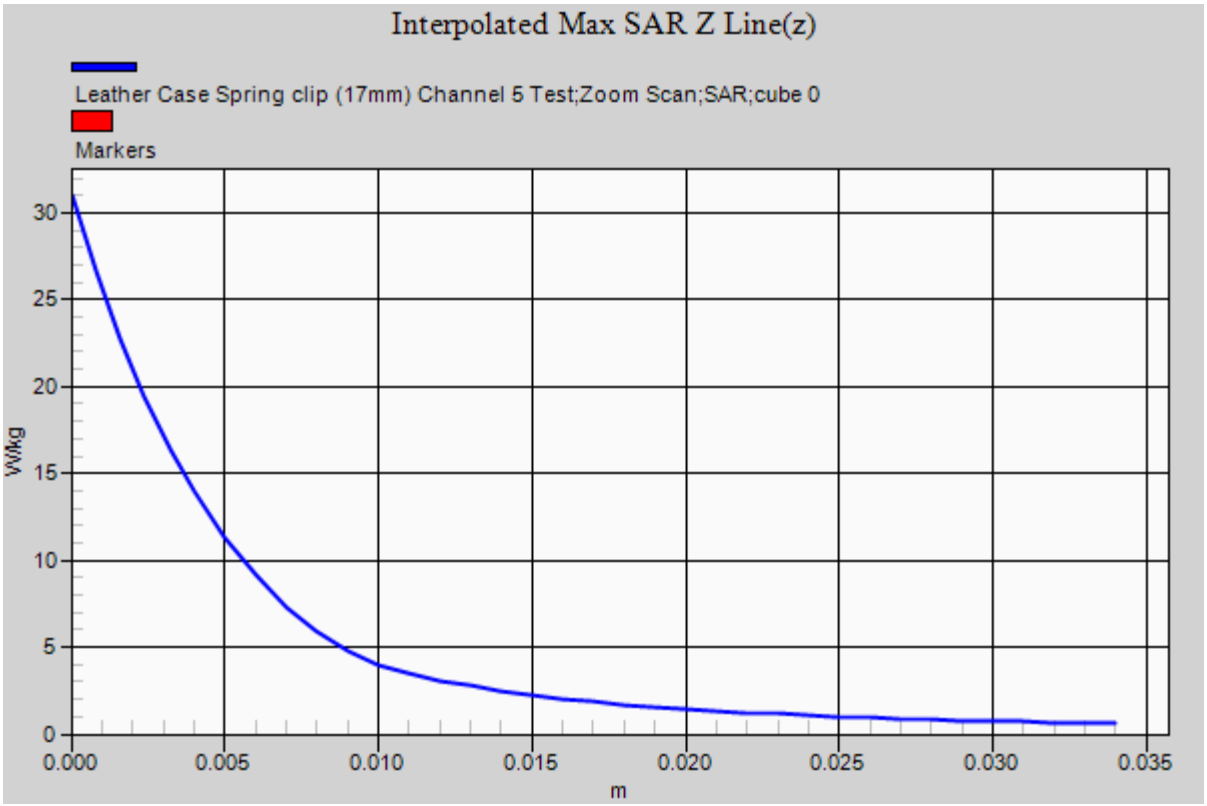
Reference Value = 72.305 V/m; Power Drift = 0.04 dB
Peak SAR (extrapolated) = 31.027 mW/g
SAR(1 g) = 12.4 mW/g
Maximum value of SAR (measured) = 13.6 W/kg



0 dB = 15.3 W/kg = 23.69 dB W/kg

SAR MEASUREMENT PLOT 78

Ambient Temperature	**20.1 Degrees Celsius**
Liquid Temperature	**19.8 Degrees Celsius**
Humidity	**47.0 %**



Test Date: 11 January 2013
File Name: M120922 150 MHz Body Worn Antenna HC Battery 168 MHz 4-Key 11-01-13.da52:0
DUT: Tait PTT Transceiver; Type: TPDB1A 4-key variant; Serial: 25405626

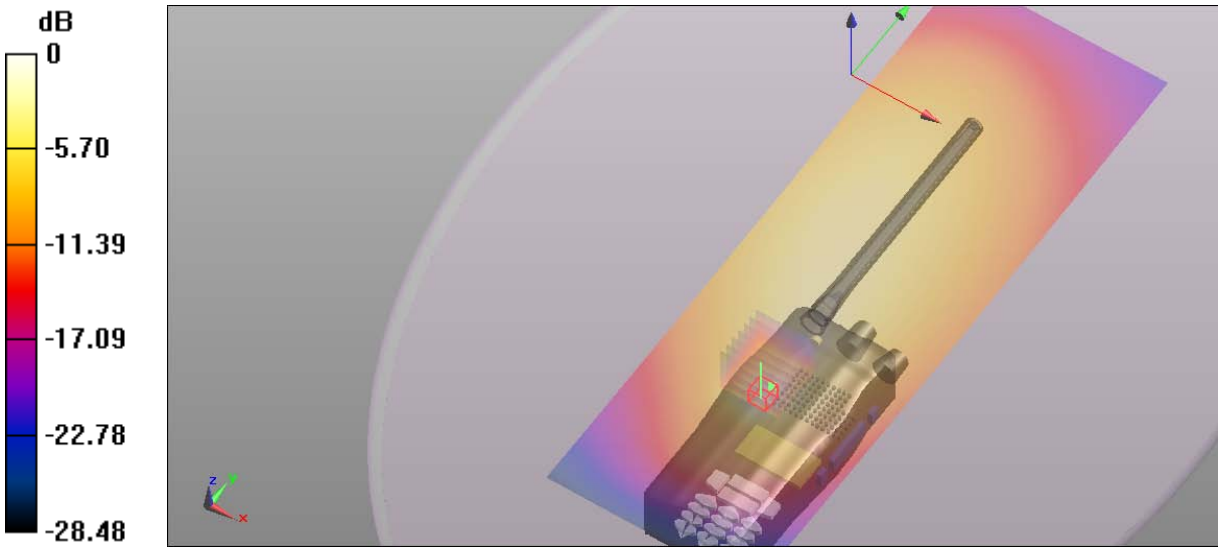
* Communication System: CW; Frequency: 162 MHz; Duty Cycle: 1:1
* Medium parameters used: f = 162 MHz; σ = 0.781 mho/m; ε_r = 61.548; ρ = 1000 kg/m^3
- Electronics: DAE3 Sn442; Probe: ET3DV6 - SN1380; ConvF(8.06, 8.06, 8.06); Calibrated: 10/12/2012
- Phantom: ELI 4.0; Serial: 1101; Phantom section: Flat Section

Configuration/Leather Case Spring clip (17mm) Channel 8 Test/Area Scan (81x241x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

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

Configuration/Leather Case Spring clip (17mm) Channel 8 Test/Zoom Scan (8x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

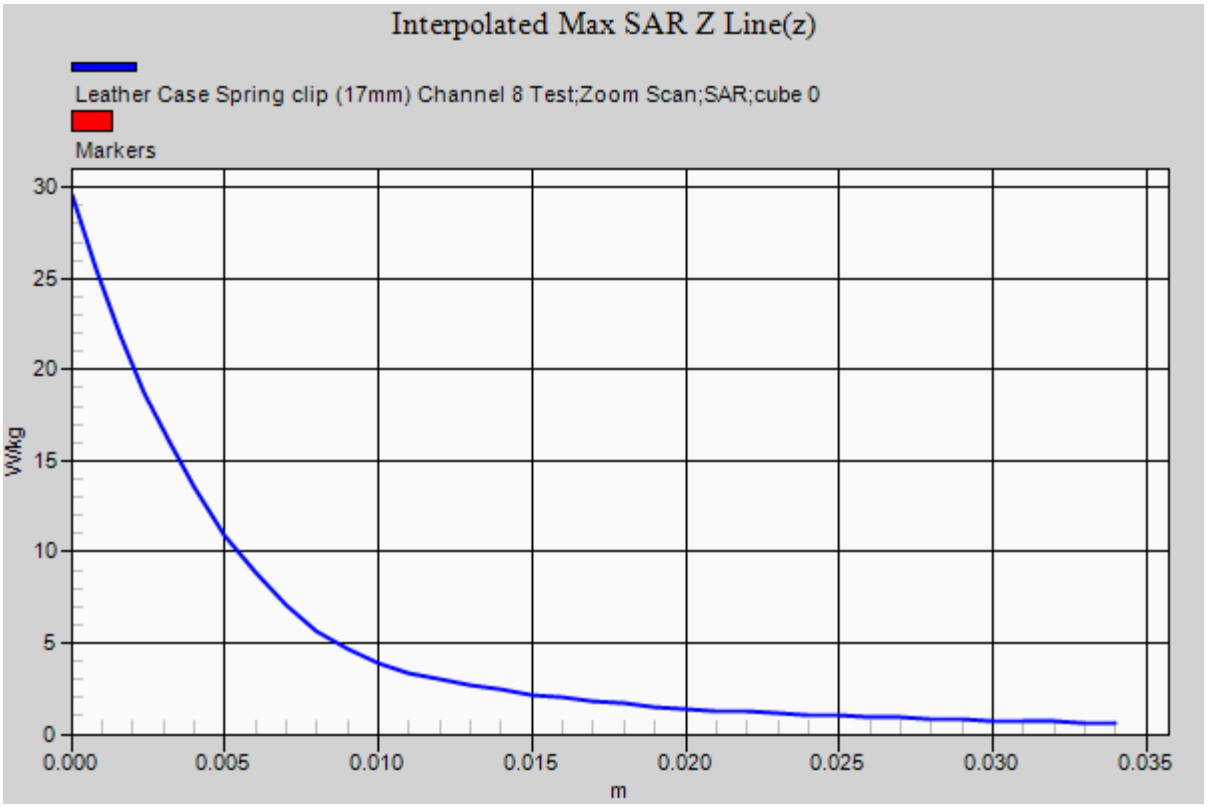
Reference Value = 73.119 V/m; Power Drift = -0.00 dB
Peak SAR (extrapolated) = 29.584 mW/g
SAR(1 g) = 11.8 mW/g
Maximum value of SAR (measured) = 12.9 W/kg



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

SAR MEASUREMENT PLOT 79

Ambient Temperature	**20.0 Degrees Celsius**
Liquid Temperature	**19.6 Degrees Celsius**
Humidity	**42.0 %**



Test Date: 19 December 2012
File Name: M120922 150 MHz Body Worn Antenna 168 MHz 4-Key 19-12-12.da52:0
DUT: Tait PTT Transceiver; Type: TPDB1A 4-key variant; Serial: 25405626

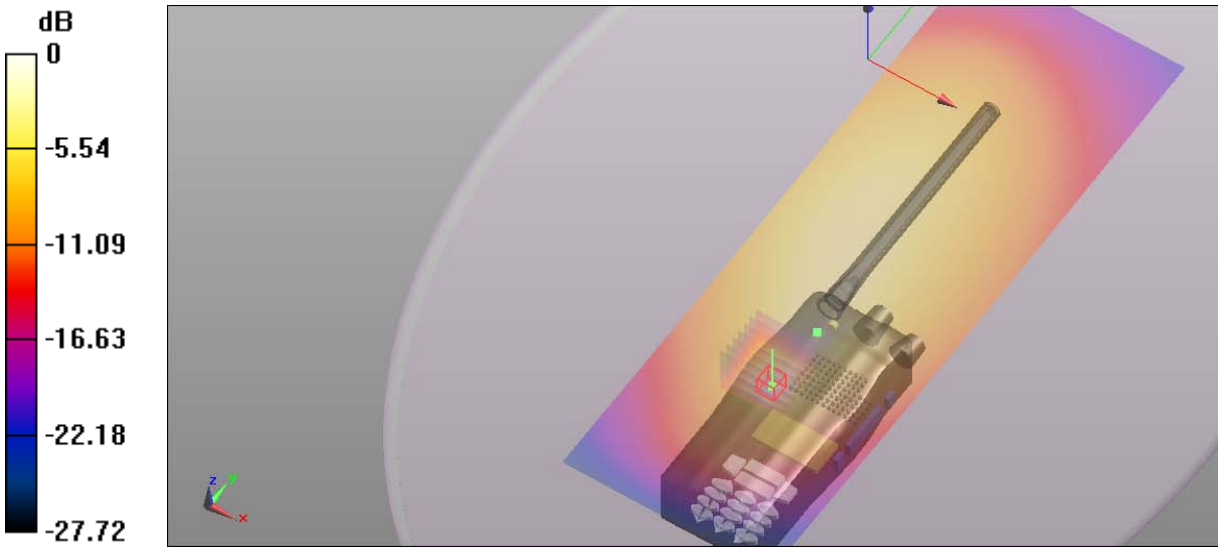
* Communication System: CW; Frequency: 162 MHz; Duty Cycle: 1:1
* Medium parameters used: f = 162 MHz; σ = 0.794 mho/m; ε_r = 61.484; ρ = 1000 kg/m^3
- Electronics: DAE3 Sn442; Probe: ET3DV6 - SN1380; ConvF(8.06, 8.06, 8.06); Calibrated: 10/12/2012
- Phantom: ELI 4.0; Serial: 1101; Phantom section: Flat Section

Configuration/Leather Case Spring clip (17mm) Channel 8 Test/Area Scan (81x241x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

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

Configuration/Leather Case Spring clip (17mm) Channel 8 Test/Zoom Scan (8x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

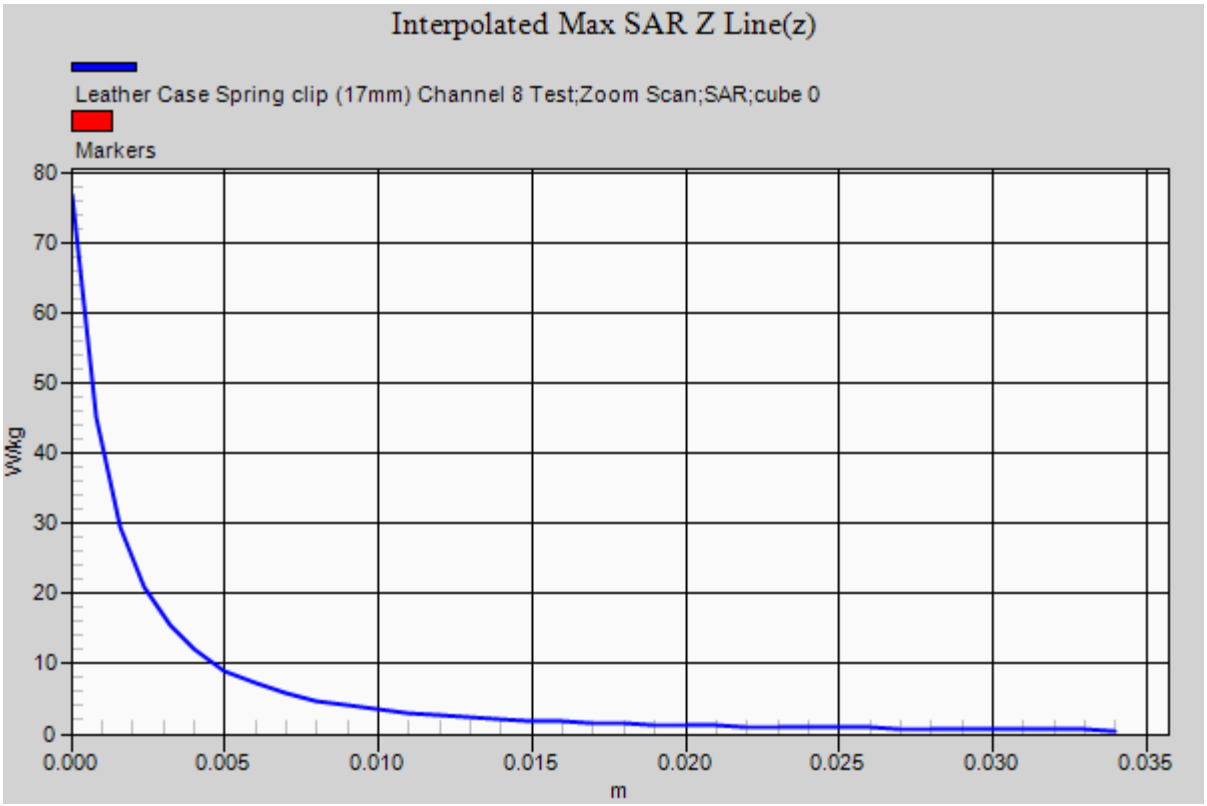
Reference Value = 76.214 V/m; Power Drift = -0.02 dB
Peak SAR (extrapolated) = 76.858 mW/g
SAR(1 g) = 14 mW/g
Maximum value of SAR (measured) = 12.0 W/kg



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

SAR MEASUREMENT PLOT 80

Ambient Temperature	**20.5 Degrees Celsius**
Liquid Temperature	**20.1 Degrees Celsius**
Humidity	**50.0 %**



Test Date: 10 October 2012
File Name: System Check 300 MHz Head 10-10-12.da52:0
DUT: Dipole 300 MHz; Type: D300V3; Serial: 1012

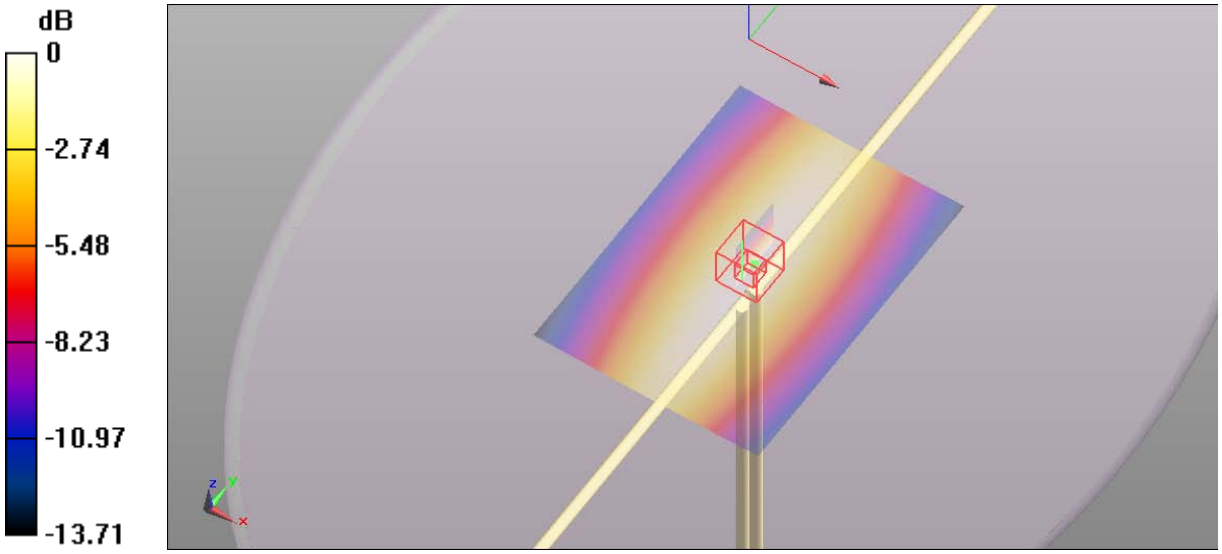
* Communication System: CW 300 MHz; Frequency: 300 MHz; Duty Cycle: 1:1
* Medium parameters used: f = 300 MHz; σ = 0.895 mho/m; ε_r = 44.467; ρ = 1000 kg/m^3
- Electronics: DAE3 Sn442; Probe: ET3DV6 - SN1380; ConvF(7.79, 7.79, 7.79); Calibrated: 12/12/2011
- Phantom: ELI 4.0; Serial: 1101; Phantom section: Flat Section

Configuration/Channel 1Test/Area Scan (81x111x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 1.33 W/kg

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

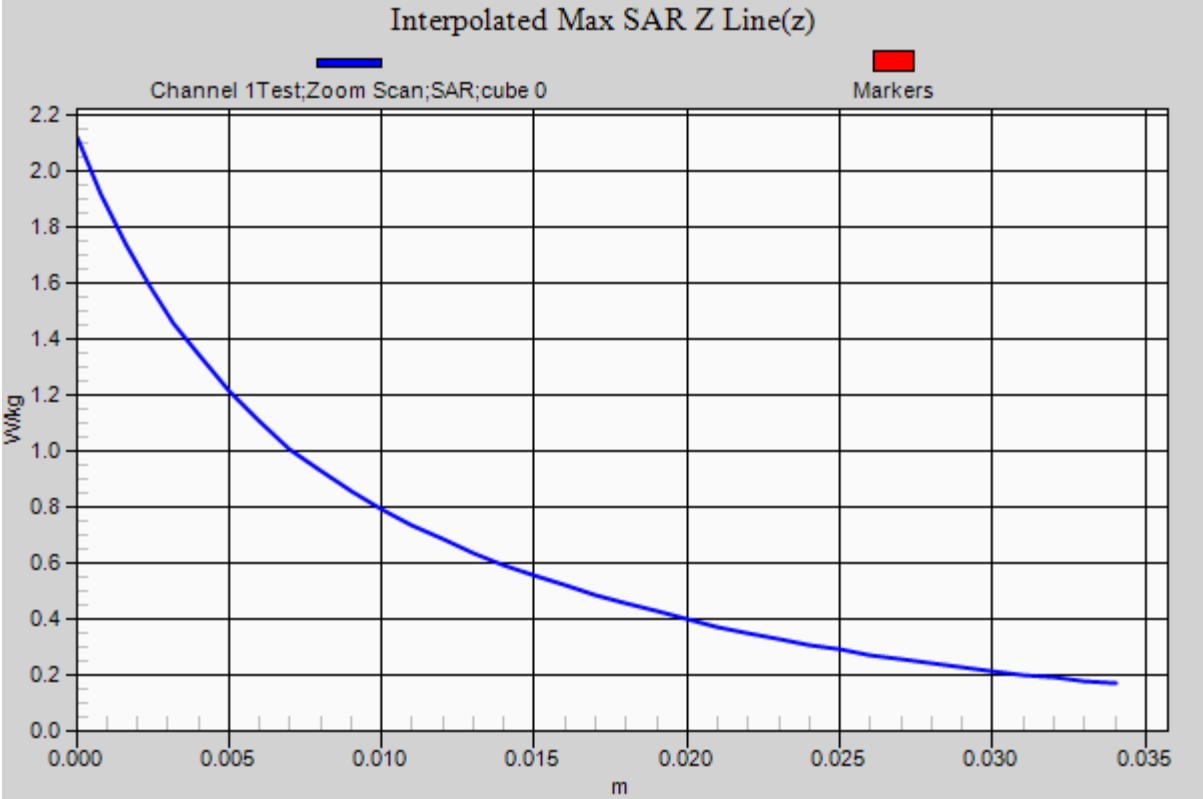
Reference Value = 39.280 V/m; Power Drift = -0.06 dB
Peak SAR (extrapolated) = 2.119 mW/g
SAR(1 g) = 1.27 mW/g; SAR(10 g) = 0.836 mW/g
Maximum value of SAR (measured) = 1.34 W/kg



0 dB = 1.33 W/kg = 2.48 dB W/kg

SAR MEASUREMENT PLOT 81

Ambient Temperature	**20.9 Degrees Celsius**
Liquid Temperature	**20.5 Degrees Celsius**
Humidity	**37.0%**

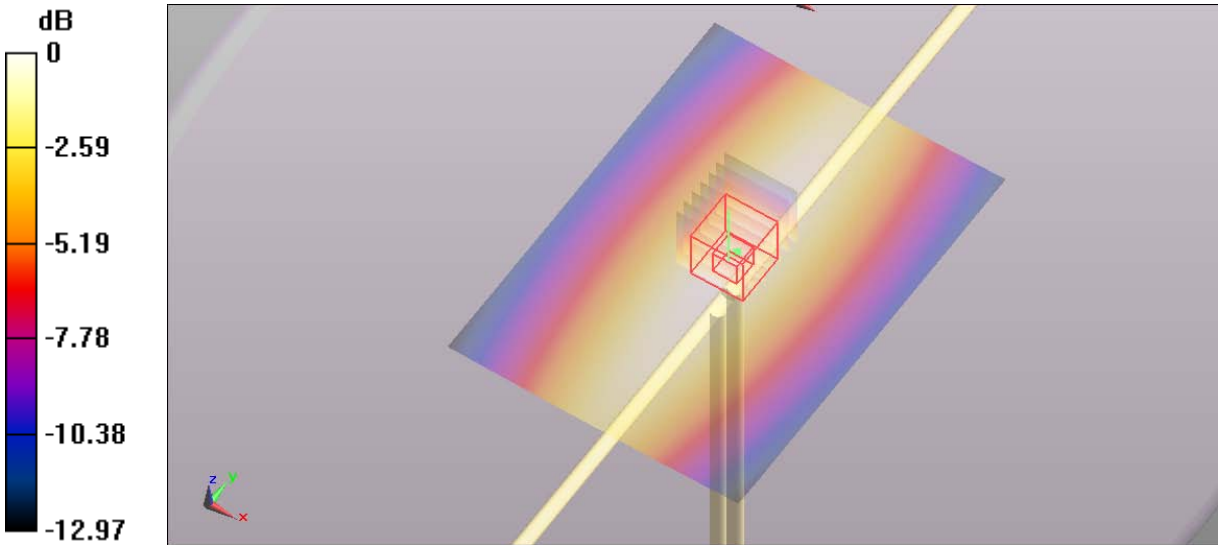


Test Date: 15 October 2012
File Name: System Check 300 MHz Head 15-10-12.da52:0
DUT: Dipole 300 MHz; Type: D300V3; Serial: 1012

* Communication System: CW 300 MHz; Frequency: 300 MHz; Duty Cycle: 1:1
* Medium parameters used: f = 300 MHz; σ = 0.861 mho/m; ε_r = 43.209; ρ = 1000 kg/m^3
- Electronics: DAE3 Sn442; Probe: ET3DV6 - SN1380; ConvF(7.79, 7.79, 7.79); Calibrated: 12/12/2011
- Phantom: ELI 4.0; Serial: 1101; Phantom section: Flat Section

Configuration/Channel 1 Test/Area Scan (81x111x1): Interpolated grid:
dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 1.31 W/kg

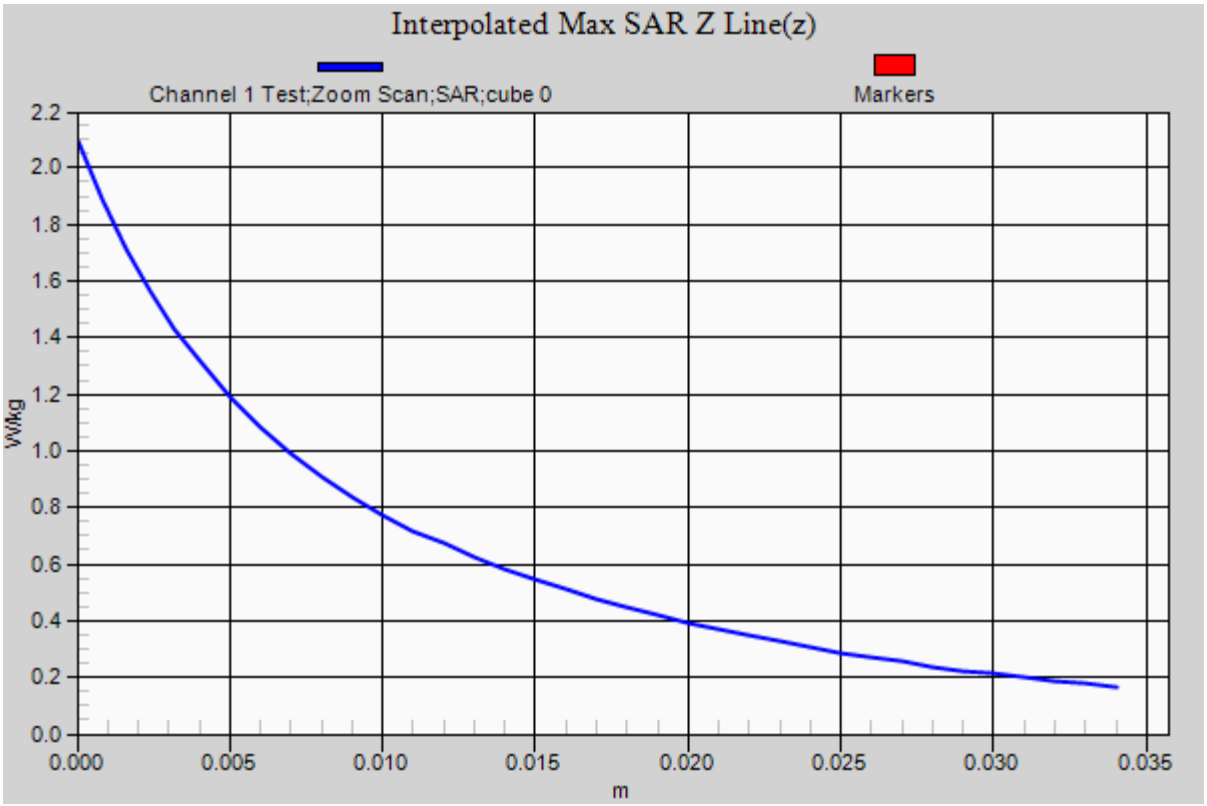
Configuration/Channel 1 Test/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 39.842 V/m; Power Drift = -0.08 dB
Peak SAR (extrapolated) = 2.092 mW/g
SAR(1 g) = 1.24 mW/g; SAR(10 g) = 0.817 mW/g
Maximum value of SAR (measured) = 1.32 W/kg



0 dB = 1.31 W/kg = 2.35 dB W/kg

SAR MEASUREMENT PLOT 82

Ambient Temperature	**20.9 Degrees Celsius**
Liquid Temperature	**20.5 Degrees Celsius**
Humidity	**40.0%**

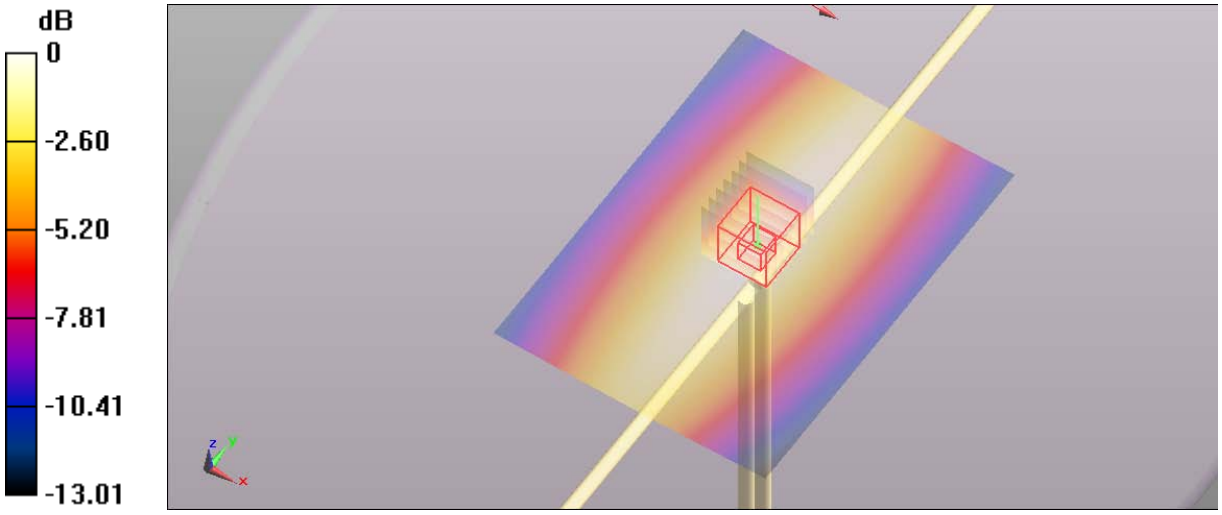


Test Date: 16 October 2012
File Name: System Check 300 MHz Head 16-10-12.da52:0
DUT: Dipole 300 MHz; Type: D300V3; Serial: 1012

* Communication System: CW 300 MHz; Frequency: 300 MHz; Duty Cycle: 1:1
* Medium parameters used: f = 300 MHz; σ = 0.885 mho/m; ε_r = 43.958; ρ = 1000 kg/m^3
- Electronics: DAE3 Sn442; Probe: ET3DV6 - SN1380; ConvF(7.79, 7.79, 7.79); Calibrated: 12/12/2011
- Phantom: ELI 4.0; Serial: 1101; Phantom section: Flat Section

Configuration/Channel 1 Test/Area Scan (81x111x1): Interpolated grid:
dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 1.32 W/kg

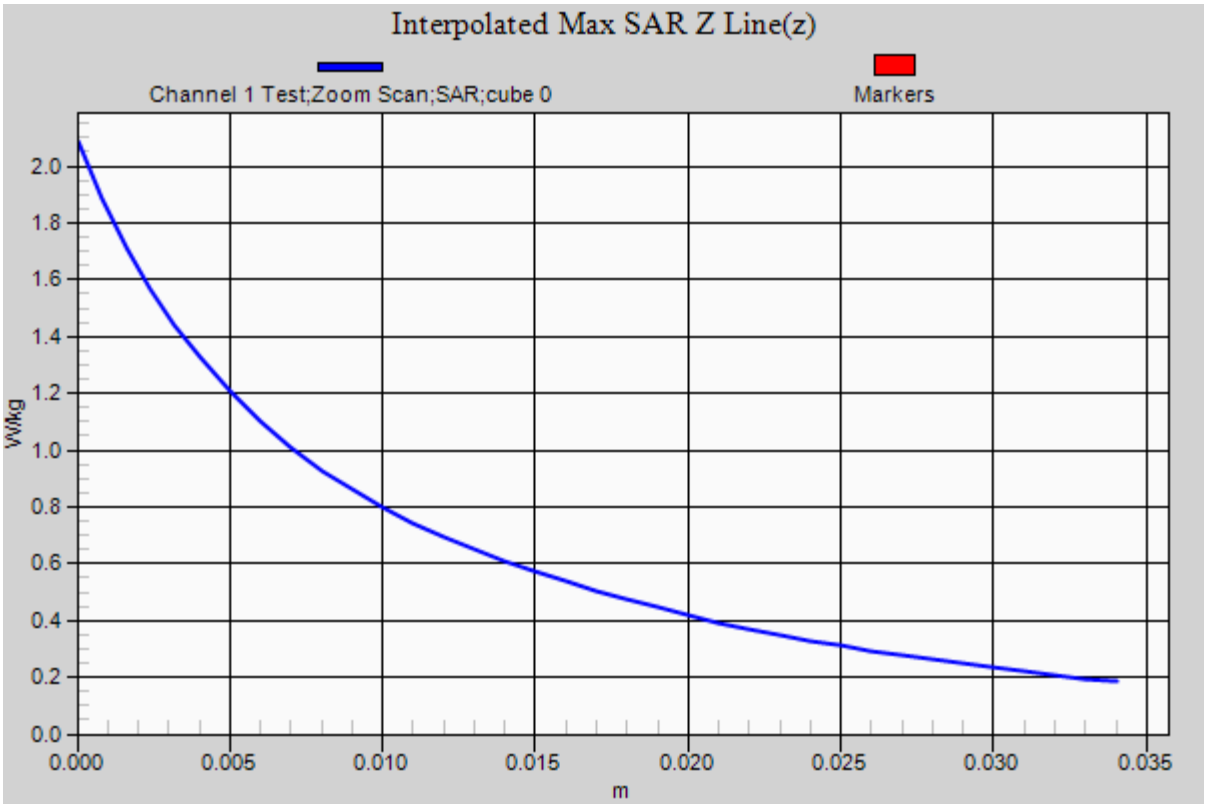
Configuration/Channel 1 Test/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 39.060 V/m; Power Drift = -0.02 dB
Peak SAR (extrapolated) = 2.086 mW/g
SAR(1 g) = 1.26 mW/g; SAR(10 g) = 0.836 mW/g
Maximum value of SAR (measured) = 1.33 W/kg



0 dB = 1.32 W/kg = 2.41 dB W/kg

SAR MEASUREMENT PLOT 83

Ambient Temperature	**20.7 Degrees Celsius**
Liquid Temperature	**20.4 Degrees Celsius**
Humidity	**42.0%**

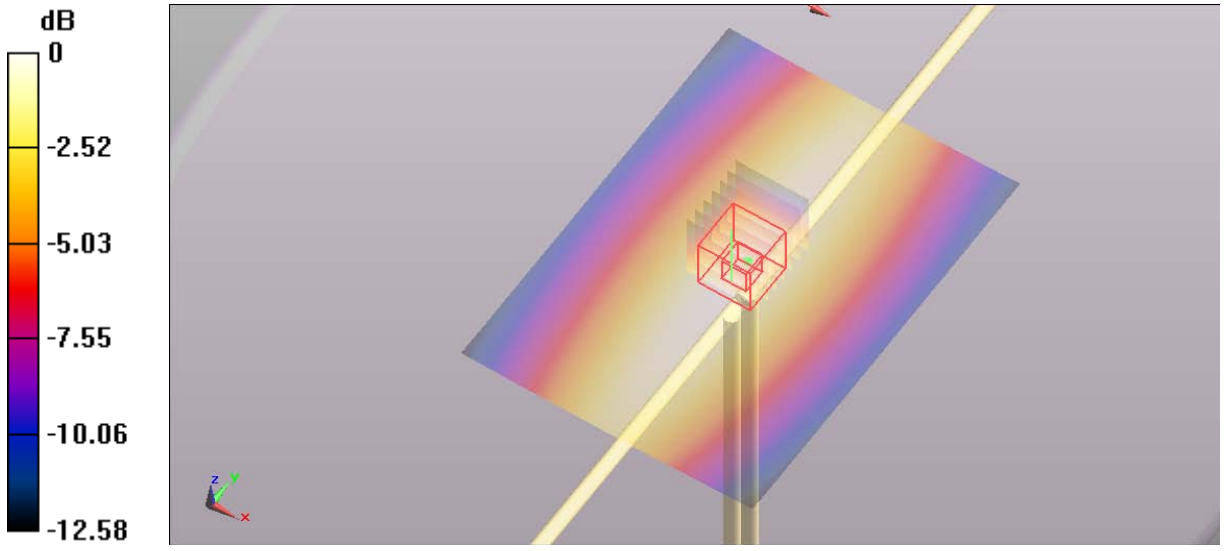


Test Date: 17 October 2012
File Name: System Check 300 MHz Head 17-10-12.da52:0
DUT: Dipole 300 MHz; Type: D300V3; Serial: 1012

* Communication System: CW 300 MHz; Frequency: 300 MHz; Duty Cycle: 1:1
* Medium parameters used: f = 300 MHz; σ = 0.873 mho/m; ε_r = 44.48; ρ = 1000 kg/m^3
- Electronics: DAE3 Sn442; Probe: ET3DV6 - SN1380; ConvF(7.79, 7.79, 7.79); Calibrated: 12/12/2011
- Phantom: ELI 4.0; Serial: 1101; Phantom section: Flat Section

Configuration/Channel 1 Test/Area Scan (81x111x1): Interpolated grid:
dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 1.32 W/kg

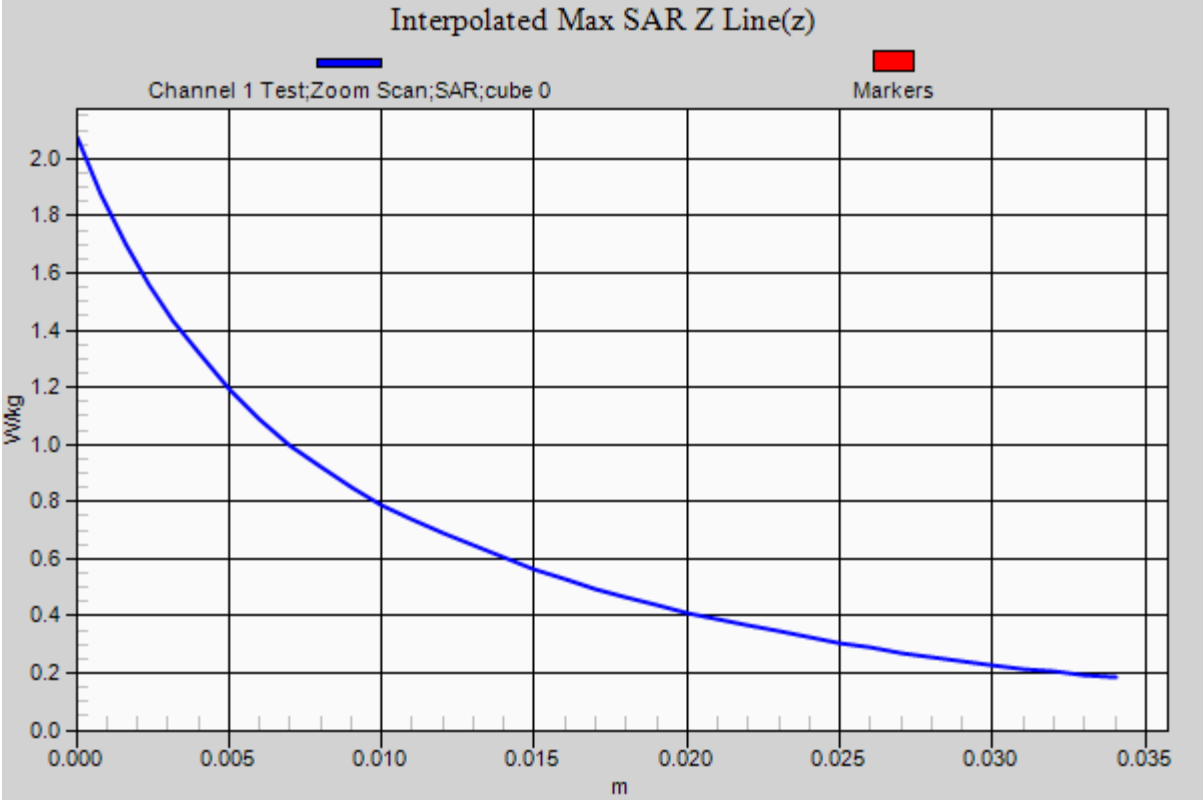
Configuration/Channel 1 Test/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 39.542 V/m; Power Drift = -0.05 dB
Peak SAR (extrapolated) = 2.074 mW/g
SAR(1 g) = 1.25 mW/g; SAR(10 g) = 0.832 mW/g
Maximum value of SAR (measured) = 1.32 W/kg



0 dB = 1.32 W/kg = 2.41 dB W/kg

SAR MEASUREMENT PLOT 84

Ambient Temperature	**20.8 Degrees Celsius**
Liquid Temperature	**20.3 Degrees Celsius**
Humidity	**41.0%**

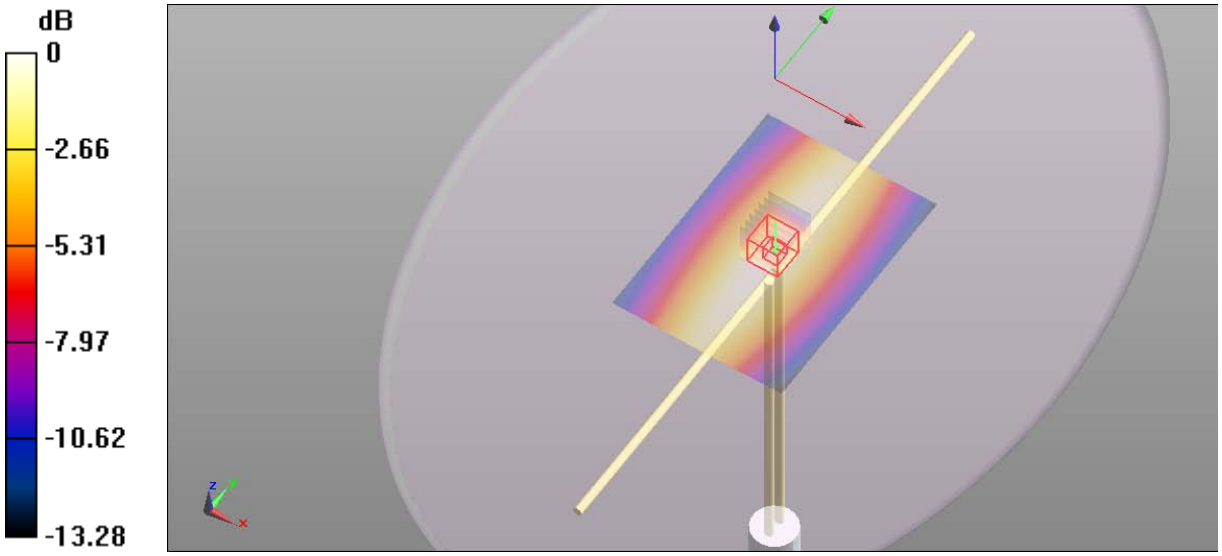


Test Date: 18 December 2012
File Name: System Check 300 MHz 18-12-12.da52:0
DUT: Dipole 300 MHz; Type: D300V3; Serial: 1012

* Communication System: CW 300 MHz; Frequency: 300 MHz; Duty Cycle: 1:1
* Medium parameters used: f = 300 MHz; σ = 0.879 mho/m; ε_r = 57.916; ρ = 1000 kg/m^3
- Electronics: DAE3 Sn442; Probe: ET3DV6 - SN1380; ConvF(7.66, 7.66, 7.66); Calibrated: 18/12/2012
- Phantom: ELI 4.0; Serial: 1101; Phantom section: Flat Section

Configuration/Channel 1 Test/Area Scan (81x111x1): Interpolated grid:
dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 1.24 W/kg

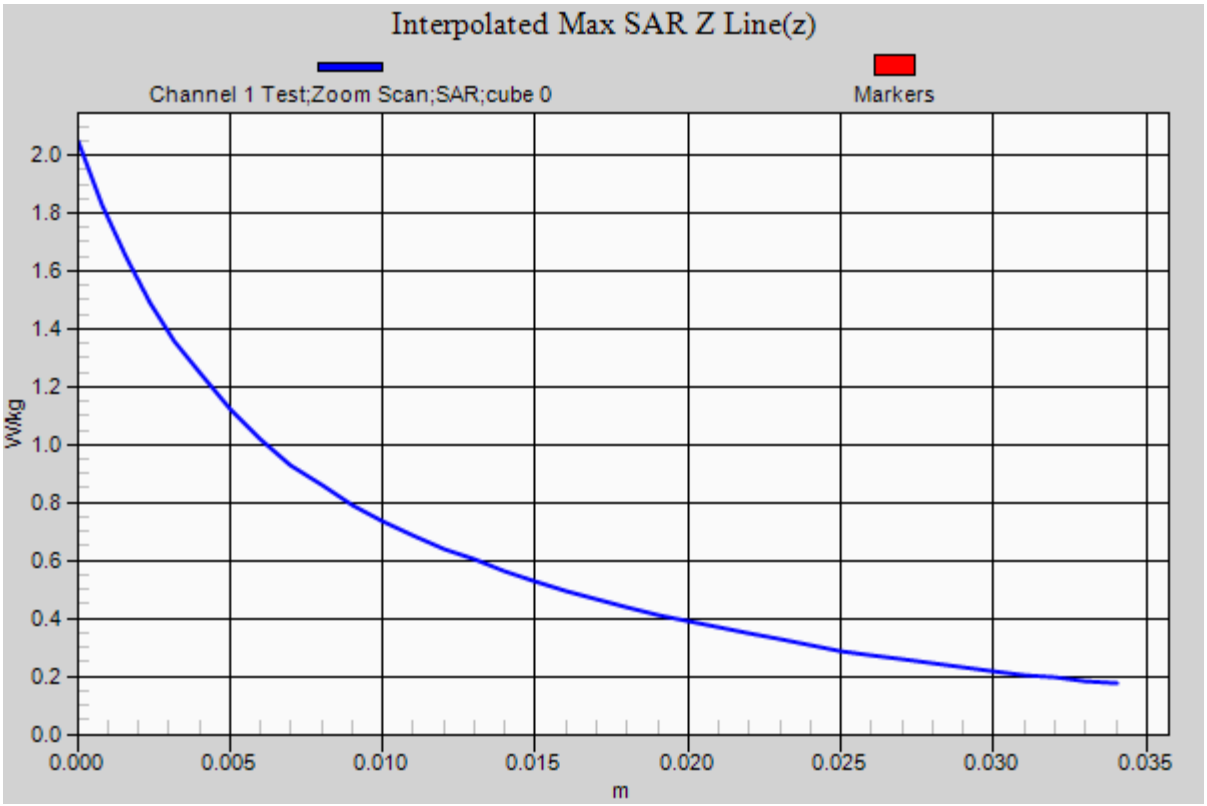
Configuration/Channel 1 Test/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 37.658 V/m; Power Drift = -0.04 dB
Peak SAR (extrapolated) = 2.047 mW/g
SAR(1 g) = 1.18 mW/g; SAR(10 g) = 0.785 mW/g
Maximum value of SAR (measured) = 1.24 W/kg



0 dB = 1.24 W/kg = 1.87 dB W/kg

SAR MEASUREMENT PLOT 85

Ambient Temperature	**19.7 Degrees Celsius**
Liquid Temperature	**19.6 Degrees Celsius**
Humidity	**50.0 %**

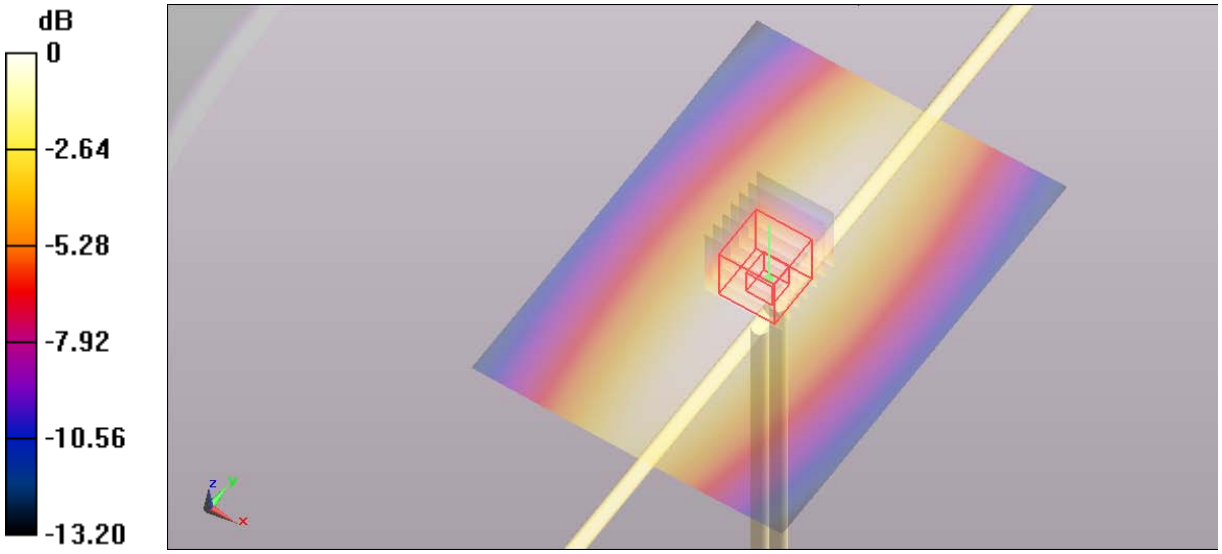


Test Date: 19 December 2012
File Name: System Check 300 MHz 19-12-12.da52:0
DUT: Dipole 300 MHz; Type: D300V3; Serial: 1012

* Communication System: CW 300 MHz; Frequency: 300 MHz; Duty Cycle: 1:1
* Medium parameters used: f = 300 MHz; σ = 0.896 mho/m; ε_r = 57.745; ρ = 1000 kg/m^3
- Electronics: DAE3 Sn442; Probe: ET3DV6 - SN1380; ConvF(7.66, 7.66, 7.66); Calibrated: 18/12/2012
- Phantom: ELI 4.0; Serial: 1101; Phantom section: Flat Section

Configuration/Channel 1 Test/Area Scan (81x111x1): Interpolated grid:
dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 1.23 W/kg

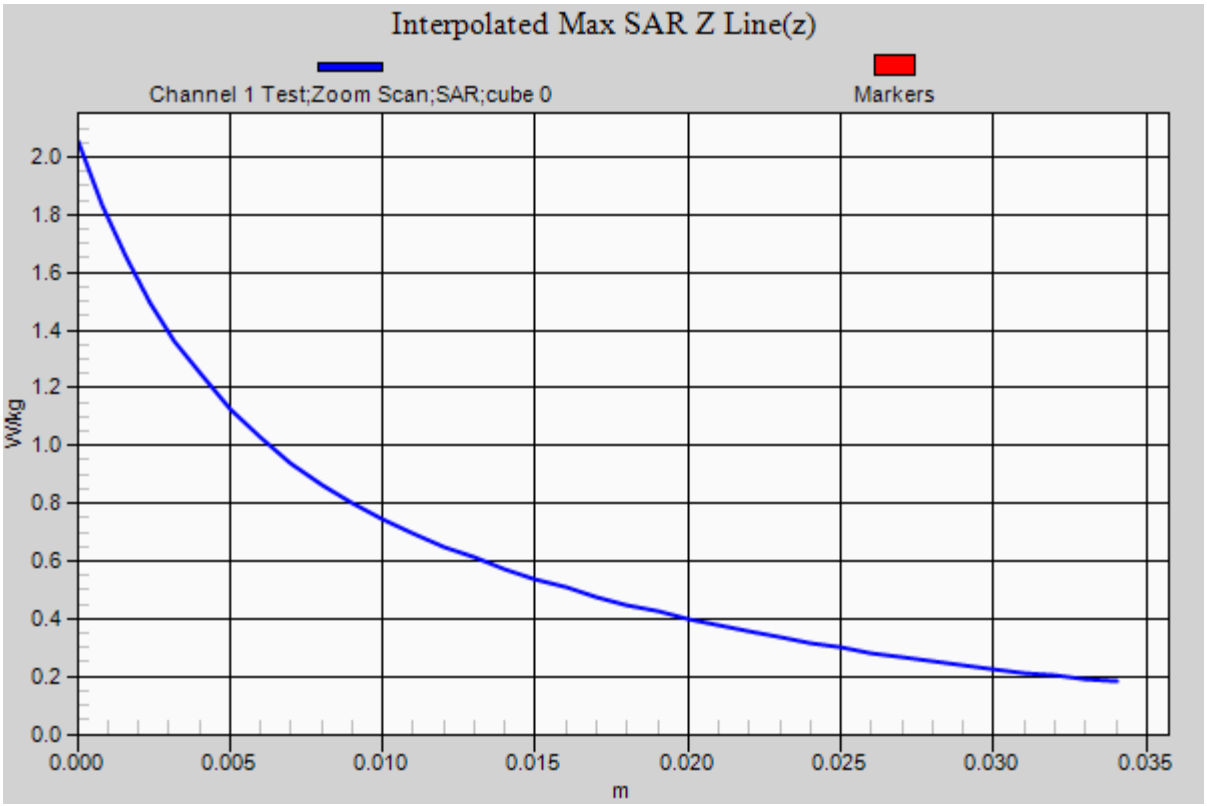
Configuration/Channel 1 Test/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 37.389 V/m; Power Drift = -0.01 dB
Peak SAR (extrapolated) = 2.053 mW/g
SAR(1 g) = 1.19 mW/g; SAR(10 g) = 0.788 mW/g
Maximum value of SAR (measured) = 1.25 W/kg



0 dB = 1.23 W/kg = 1.80 dB W/kg

SAR MEASUREMENT PLOT 86

Ambient Temperature	**20.5 Degrees Celsius**
Liquid Temperature	**20.1 Degrees Celsius**
Humidity	**50.0 %**

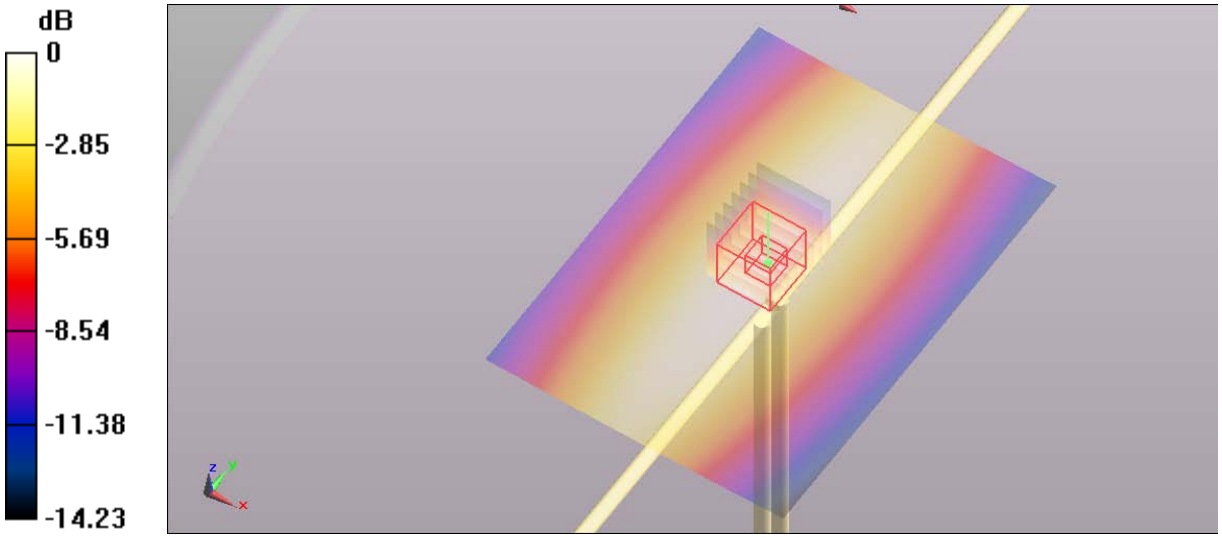


Test Date: 20 December 2012
File Name: System Check 300 MHz 20-12-12.da52:0
DUT: Dipole 300 MHz; Type: D300V3; Serial: 1012

* Communication System: CW 300 MHz; Frequency: 300 MHz; Duty Cycle: 1:1
* Medium parameters used: f = 300 MHz; σ = 0.891 mho/m; ε_r = 57.197; ρ = 1000 kg/m^3
- Electronics: DAE3 Sn442; Probe: ET3DV6 - SN1380; ConvF(7.66, 7.66, 7.66); Calibrated: 18/12/2012
- Phantom: ELI 4.0; Serial: 1101; Phantom section: Flat Section

Configuration/Channel 1 Test/Area Scan (81x111x1): Interpolated grid:
dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 1.23 W/kg

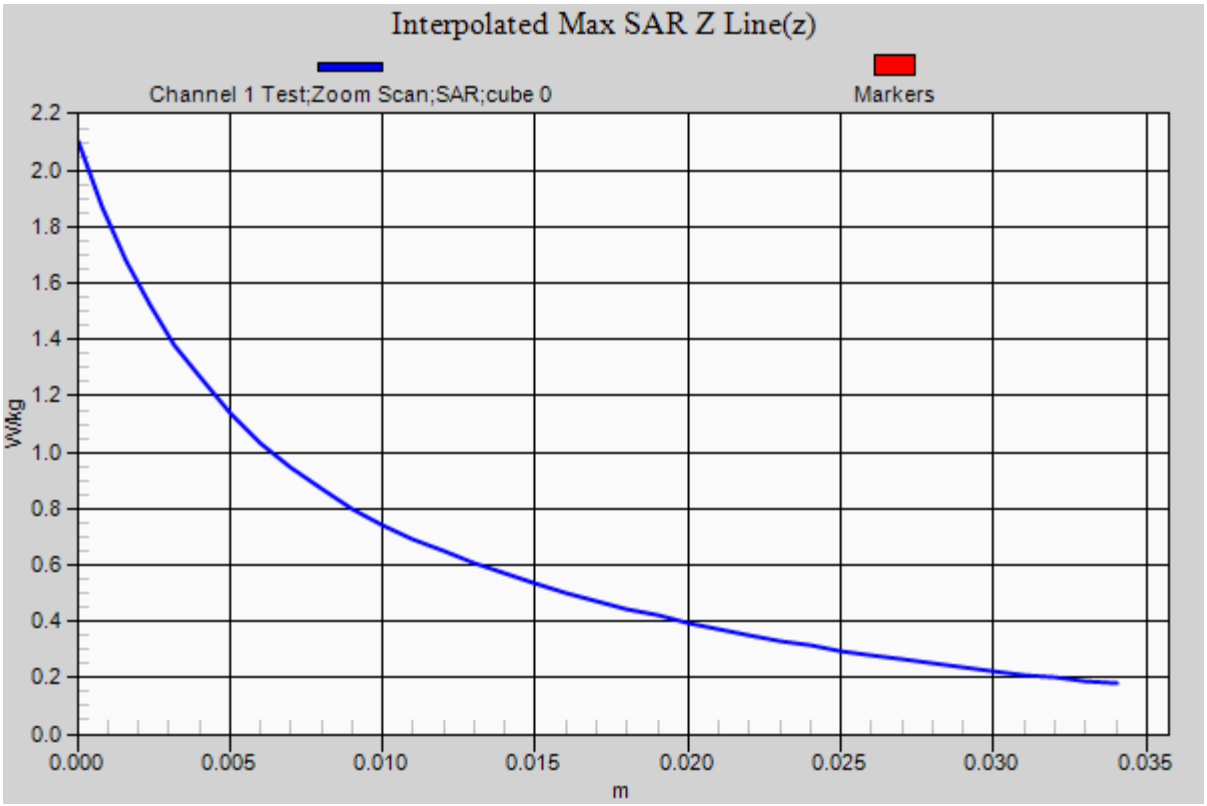
Configuration/Channel 1 Test/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 37.108 V/m; Power Drift = -0.02 dB
Peak SAR (extrapolated) = 2.103 mW/g
SAR(1 g) = 1.2 mW/g; SAR(10 g) = 0.794 mW/g
Maximum value of SAR (measured) = 1.26 W/kg



0 dB = 1.23 W/kg = 1.80 dB W/kg

SAR MEASUREMENT PLOT 87

Ambient Temperature	**21.0 Degrees Celsius**
Liquid Temperature	**20.8 Degrees Celsius**
Humidity	**51.0 %**

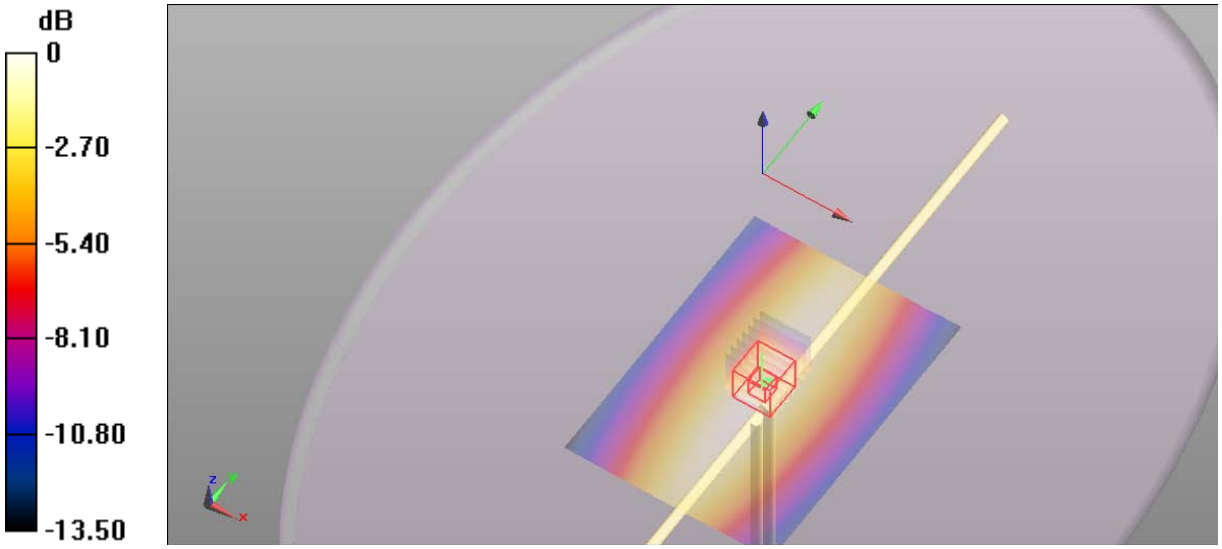


Test Date: 10 January 2013
File Name: System Check 300 MHz 10-01-13.da52:0
DUT: Dipole 300 MHz; Type: D300V3; Serial: 1012

* Communication System: CW 300 MHz; Frequency: 300 MHz; Duty Cycle: 1:1
* Medium parameters used: f = 300 MHz; σ = 0.877 mho/m; ε_r = 57.671; ρ = 1000 kg/m^3
- Electronics: DAE3 Sn442; Probe: ET3DV6 - SN1380; ConvF(7.66, 7.66, 7.66); Calibrated: 18/12/2012
- Phantom: ELI 4.0; Serial: 1101; Phantom section: Flat Section

Configuration/Channel 1 Test/Area Scan (81x111x1): Interpolated grid:
dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 1.23 W/kg

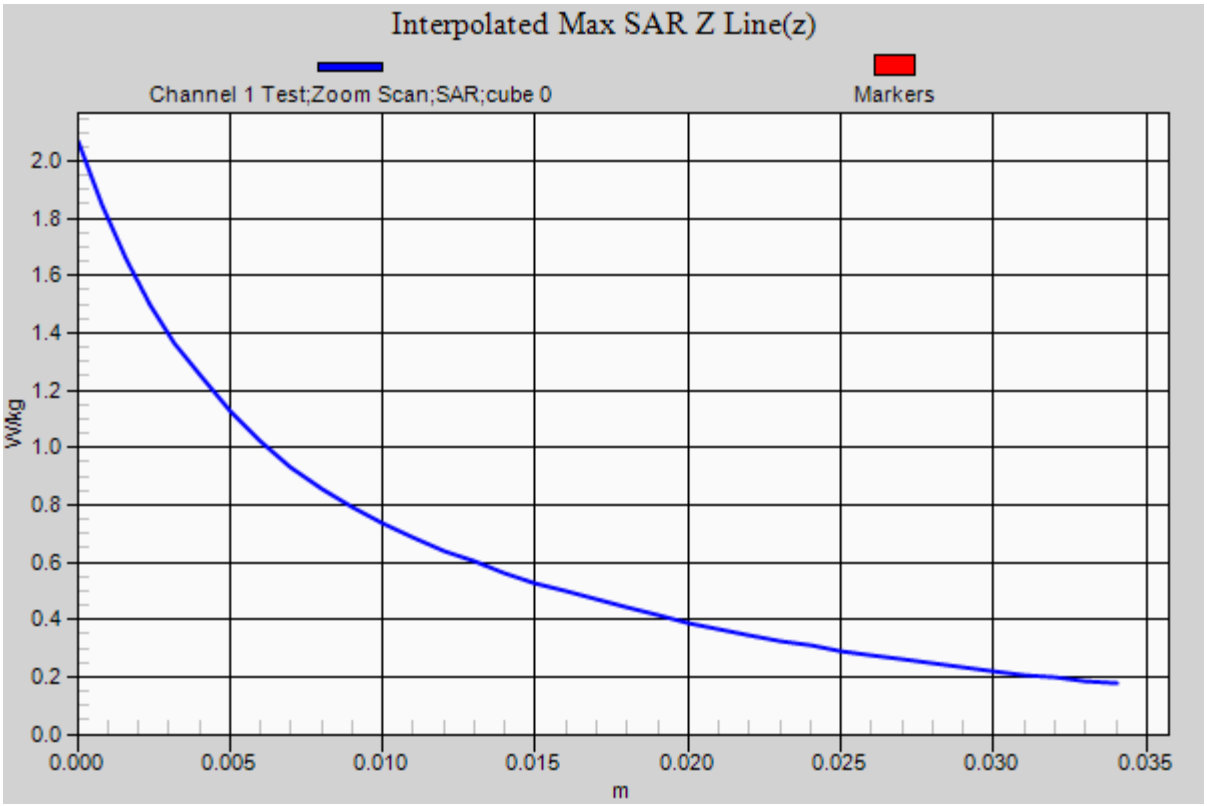
Configuration/Channel 1 Test/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 37.662 V/m; Power Drift = -0.00 dB
Peak SAR (extrapolated) = 2.068 mW/g
SAR(1 g) = 1.18 mW/g; SAR(10 g) = 0.780 mW/g
Maximum value of SAR (measured) = 1.25 W/kg



0 dB = 1.23 W/kg = 1.80 dB W/kg

SAR MEASUREMENT PLOT 88

Ambient Temperature	**20.1 Degrees Celsius**
Liquid Temperature	**19.8 Degrees Celsius**
Humidity	**47.0 %**

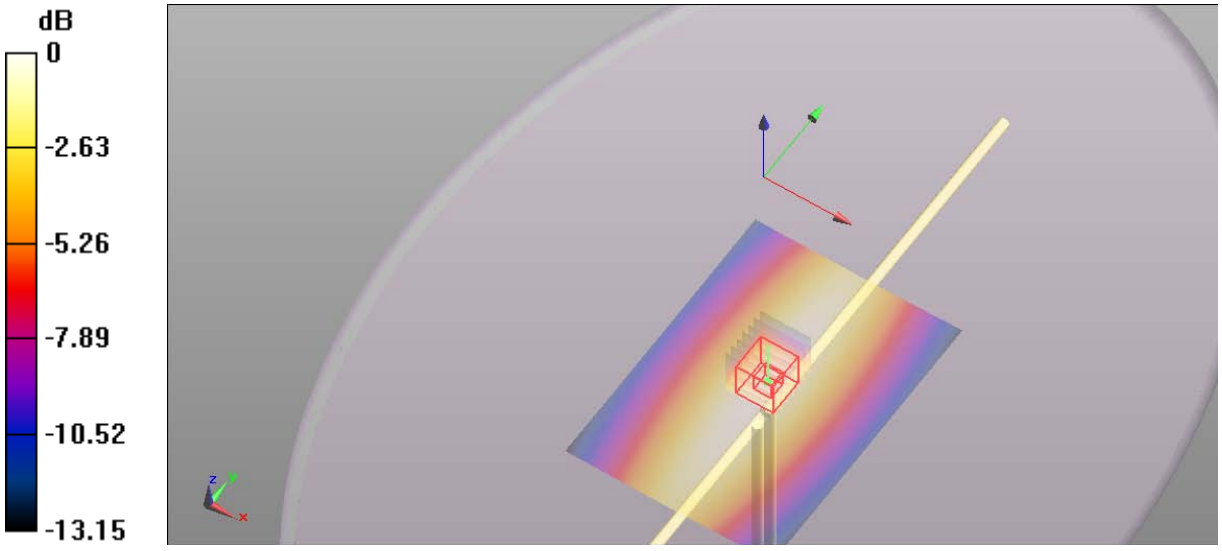


Test Date: 11 January 2013
File Name: System Check 300 MHz 11-01-13.da52:0
DUT: Dipole 300 MHz; Type: D300V3; Serial: 1012

* Communication System: CW 300 MHz; Frequency: 300 MHz; Duty Cycle: 1:1
* Medium parameters used: f = 300 MHz; σ = 0.877 mho/m; ε_r = 57.671; ρ = 1000 kg/m^3
- Electronics: DAE3 Sn442; Probe: ET3DV6 - SN1380; ConvF(7.66, 7.66, 7.66); Calibrated: 18/12/2012
- Phantom: ELI 4.0; Serial: 1101; Phantom section: Flat Section

Configuration/Channel 1 Test/Area Scan (81x111x1): Interpolated grid:
dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 1.26 W/kg

Configuration/Channel 1 Test/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 37.762 V/m; Power Drift = -0.01 dB
Peak SAR (extrapolated) = 2.085 mW/g
SAR(1 g) = 1.2 mW/g; SAR(10 g) = 0.797 mW/g
Maximum value of SAR (measured) = 1.26 W/kg



0 dB = 1.26 W/kg = 2.01 dB W/kg

SAR MEASUREMENT PLOT 89

Ambient Temperature	**20.0 Degrees Celsius**
Liquid Temperature	**19.6 Degrees Celsius**
Humidity	**42.0 %**