

Test Date: 21 September 2005

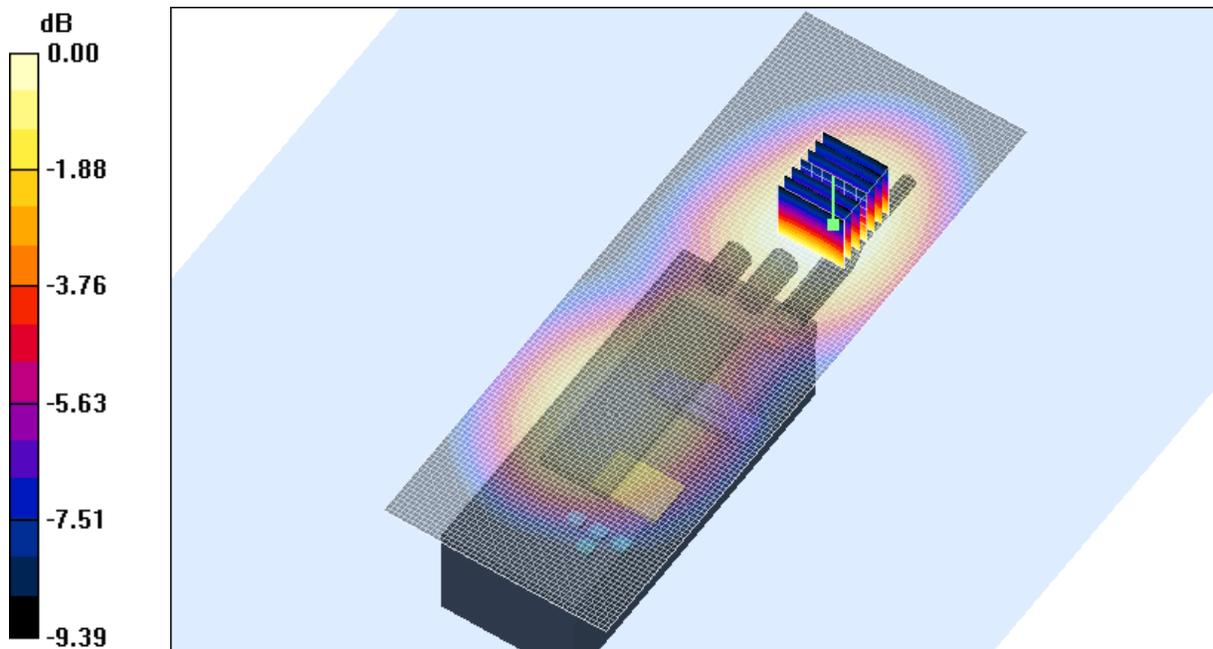
File Name: [TPAB12-K500A Ni-MH IS Battery \(TPA-BA-204\) 810 MHz Belt Clip Antenna MINI \(DAE442 Probe1377\) 21-09-05.da4](#)

DUT: Tait 810 MHz Handheld Transceiver; Type: TPAB12-K500A, Antenna TPA-AN-021; Serial: 21001665

- \* Communication System: CW 810 MHz; Frequency: 870 MHz; Duty Cycle: 1:1
- \* Medium parameters used:  $\sigma = 1.05654$  mho/m,  $\epsilon_r = 52.9847$ ;  $\rho = 1000$  kg/m<sup>3</sup>
- Electronics: DAE3 Sn442; Probe: ET3DV6 - SN1377; ConvF(5.9, 5.9, 5.9)
- Phantom: Flat Phantom 9.1; Serial: P 9.1; Phantom section: Flat 2.2 Section

**Channel 7 Test/Area Scan (51x141x1):** Measurement grid: dx=20mm, dy=20mm  
 Maximum value of SAR (interpolated) = 4.56 mW/g

**Channel 7 Test/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm  
 Reference Value = 64.1 V/m; Power Drift = -0.350 dB  
 Peak SAR (extrapolated) = 6.34 W/kg  
**SAR(1 g) = 4.11 mW/g; SAR(10 g) = 2.82 mW/g**  
 Maximum value of SAR (measured) = 4.31 mW/g



0 dB = 4.31mW/g

**SAR MEASUREMENT PLOT 20**

Ambient Temperature  
 Liquid Temperature  
 Humidity

19.7 Degrees Celsius  
 19.5 Degrees Celsius  
 44.0 %



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Test Date: 22 September 2005

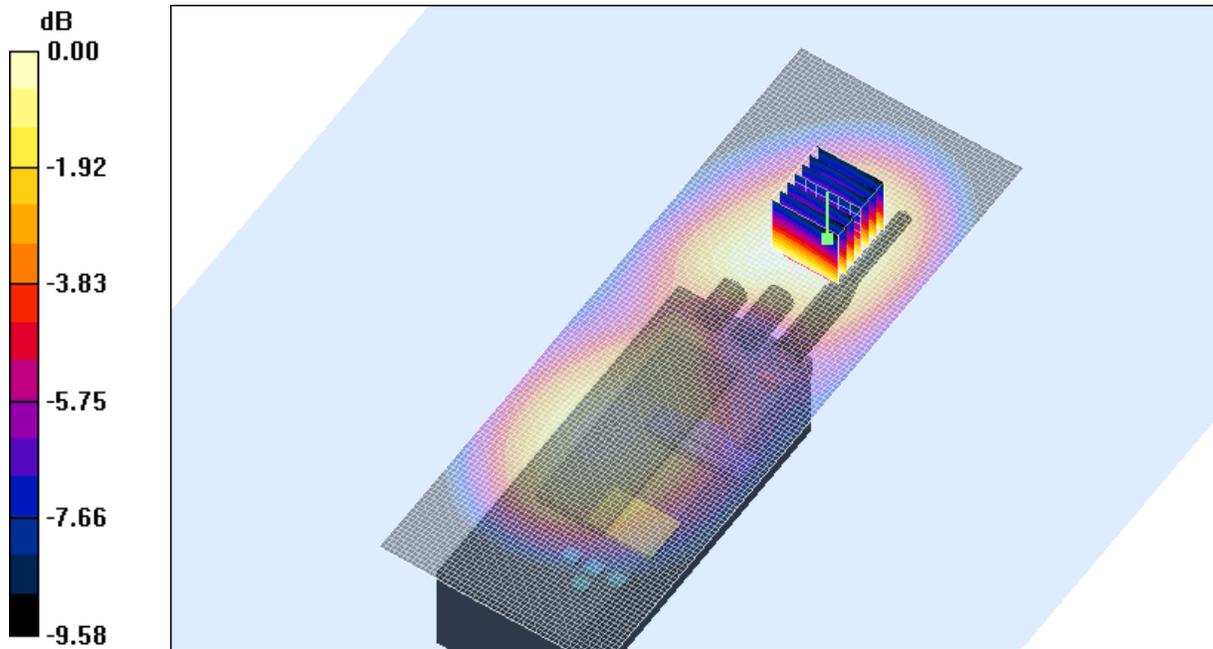
File Name: [TPAB12-K500A Ni-Cd IS Battery \(TPA-BA-202\) 810 MHz Belt Clip Antenna MINI \(DAE442 Probe1377\) 22-09-05.da4](#)

DUT: Tait 810 MHz Handheld Transceiver; Type: TPAB12-K500A, Antenna TPA-AN-021; Serial: 21001665

- \* Communication System: CW 810 MHz; Frequency: 870 MHz; Duty Cycle: 1:1
- \* Medium parameters used:  $\sigma = 1.05387$  mho/m,  $\epsilon_r = 55.1413$ ;  $\rho = 1000$  kg/m<sup>3</sup>
- Electronics: DAE3 Sn442; Probe: ET3DV6 - SN1377; ConvF(5.9, 5.9, 5.9)
- Phantom: Flat Phantom 9.1; Serial: P 9.1; Phantom section: Flat 2.2 Section

**Channel 7 Test/Area Scan (51x141x1):** Measurement grid: dx=20mm, dy=20mm  
 Maximum value of SAR (interpolated) = 3.49 mW/g

**Channel 7 Test/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm  
 Reference Value = 52.2 V/m; Power Drift = 0.045 dB  
 Peak SAR (extrapolated) = 4.78 W/kg  
**SAR(1 g) = 3.14 mW/g; SAR(10 g) = 2.17 mW/g**  
 Maximum value of SAR (measured) = 3.31 mW/g



0 dB = 3.31mW/g

**SAR MEASUREMENT PLOT 21**

Ambient Temperature  
 Liquid Temperature  
 Humidity

19.8 Degrees Celsius  
 19.4 Degrees Celsius  
 52.0 %



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Test Date: 22 September 2005

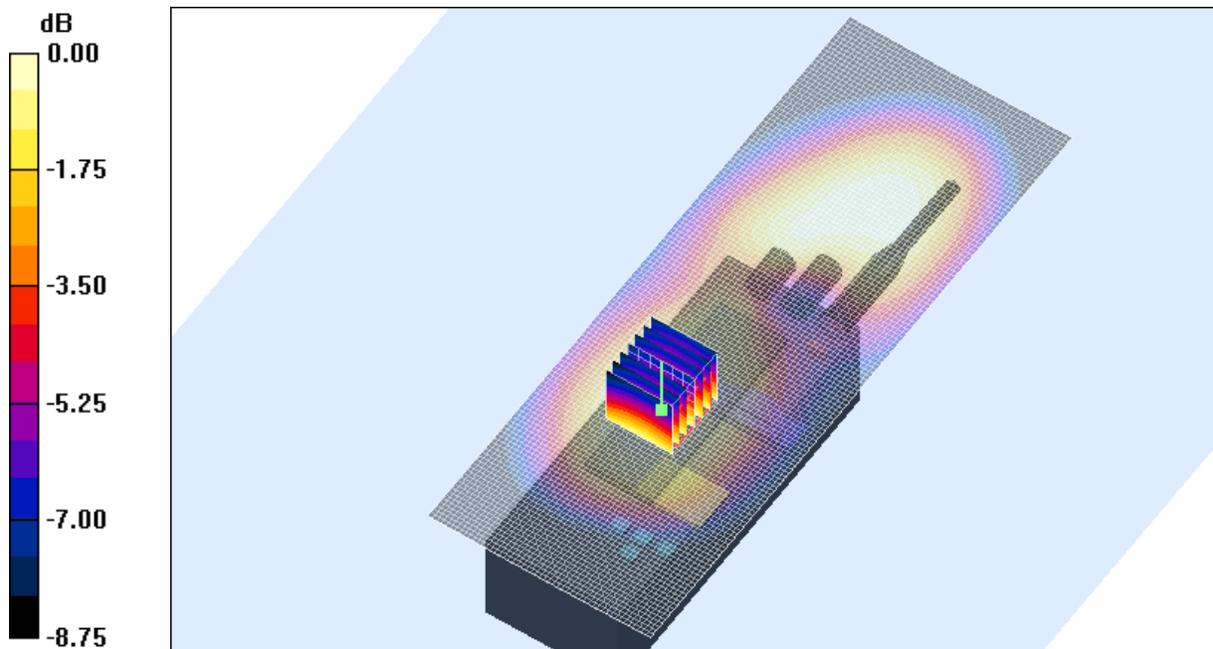
File Name: [TPAB12-K500A Ni-MH IS Battery \(TPA-BA-201\) 810 MHz Belt Clip Antenna MINI \(DAE442 Probe1377\) 22-09-05.da4](#)

DUT: Tait 810 MHz Handheld Transceiver; Type: TPAB12-K500A, Antenna TPA-AN-021; Serial: 21001665

- \* Communication System: CW 810 MHz; Frequency: 870 MHz; Duty Cycle: 1:1
- \* Medium parameters used:  $\sigma = 1.05387$  mho/m,  $\epsilon_r = 55.1413$ ;  $\rho = 1000$  kg/m<sup>3</sup>
- Electronics: DAE3 Sn442; Probe: ET3DV6 - SN1377; ConvF(5.9, 5.9, 5.9)
- Phantom: Flat Phantom 9.1; Serial: P 9.1; Phantom section: Flat 2.2 Section

**Channel 7 Test/Area Scan (51x141x1):** Measurement grid: dx=20mm, dy=20mm  
 Maximum value of SAR (interpolated) = 3.12 mW/g

**Channel 7 Test/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm  
 Reference Value = 45.4 V/m; Power Drift = -0.253 dB  
 Peak SAR (extrapolated) = 3.81 W/kg  
**SAR(1 g) = 2.66 mW/g; SAR(10 g) = 1.92 mW/g**  
 Maximum value of SAR (measured) = 2.79 mW/g



0 dB = 2.79mW/g

**SAR MEASUREMENT PLOT 22**

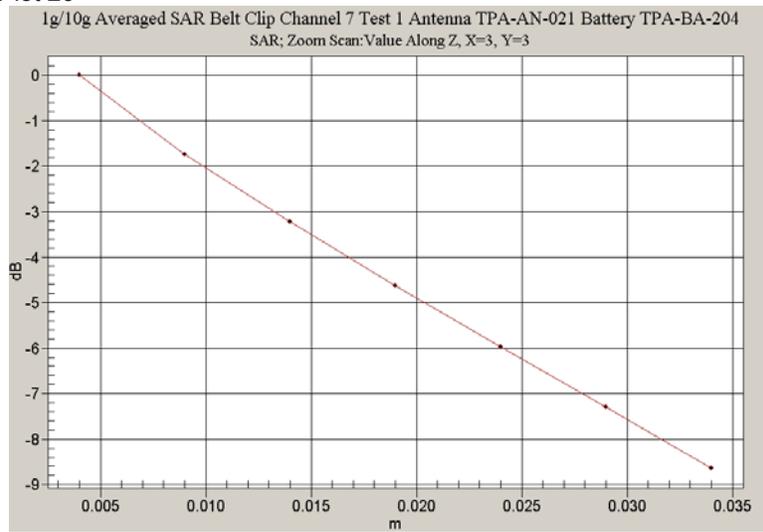
Ambient Temperature  
 Liquid Temperature  
 Humidity

19.8 Degrees Celsius  
 19.4 Degrees Celsius  
 52.0 %

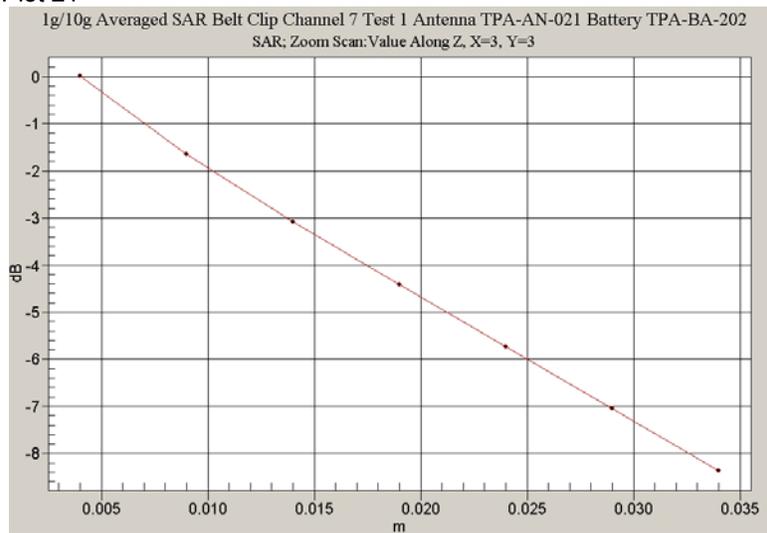


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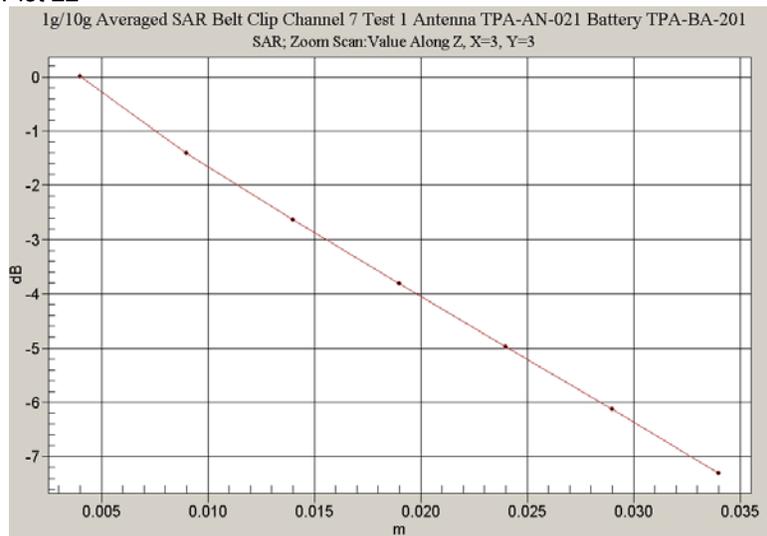
Z-Axis scan for Plot 20



Z-Axis scan for Plot 21



Z-Axis scan for Plot 22



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Test Date: 20 September 2005

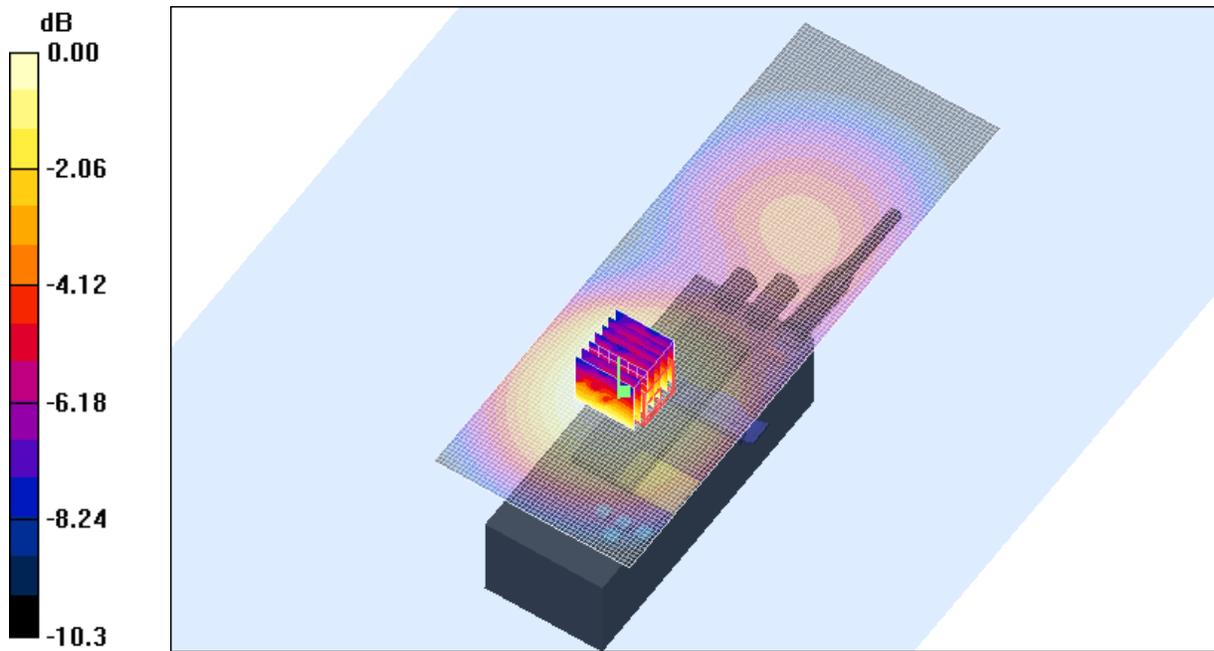
File Name: [TPAB12-K500A Ni-MH Battery \(TPA-BA-203\) 810 MHz Holster Antenna MINI \(DAE442 Probe1377\) 20-09-05.da4](#)

DUT: Tait 810 MHz Handheld Transceiver; Type: TPAB12-K500A, Antenna TPA-AN-021; Serial: 21001665

- \* Communication System: CW 810 MHz; Frequency: 825 MHz; Duty Cycle: 1:1
- \* Medium parameters used:  $\sigma = 1.00613$  mho/m,  $\epsilon_r = 56.4656$ ;  $\rho = 1000$  kg/m<sup>3</sup>
- Electronics: DAE3 Sn442; Probe: ET3DV6 - SN1377; ConvF(5.9, 5.9, 5.9)
- Phantom: Flat Phantom 9.1; Serial: P 9.1; Phantom section: Flat 2.2 Section

**Channel 5 Test/Area Scan (51x141x1):** Measurement grid: dx=20mm, dy=20mm  
 Maximum value of SAR (interpolated) = 2.31 mW/g

**Channel 5 Test/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm  
 Reference Value = 31.2 V/m; Power Drift = -0.407 dB  
 Peak SAR (extrapolated) = 2.95 W/kg  
**SAR(1 g) = 2.03 mW/g; SAR(10 g) = 1.45 mW/g**  
 Maximum value of SAR (measured) = 2.21 mW/g



0 dB = 2.21mW/g

**SAR MEASUREMENT PLOT 23**

Ambient Temperature  
 Liquid Temperature  
 Humidity

20.1 Degrees Celsius  
 19.8 Degrees Celsius  
 46.0 %



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Z-Axis scan for Plot 23



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Test Date: 22 September 2005

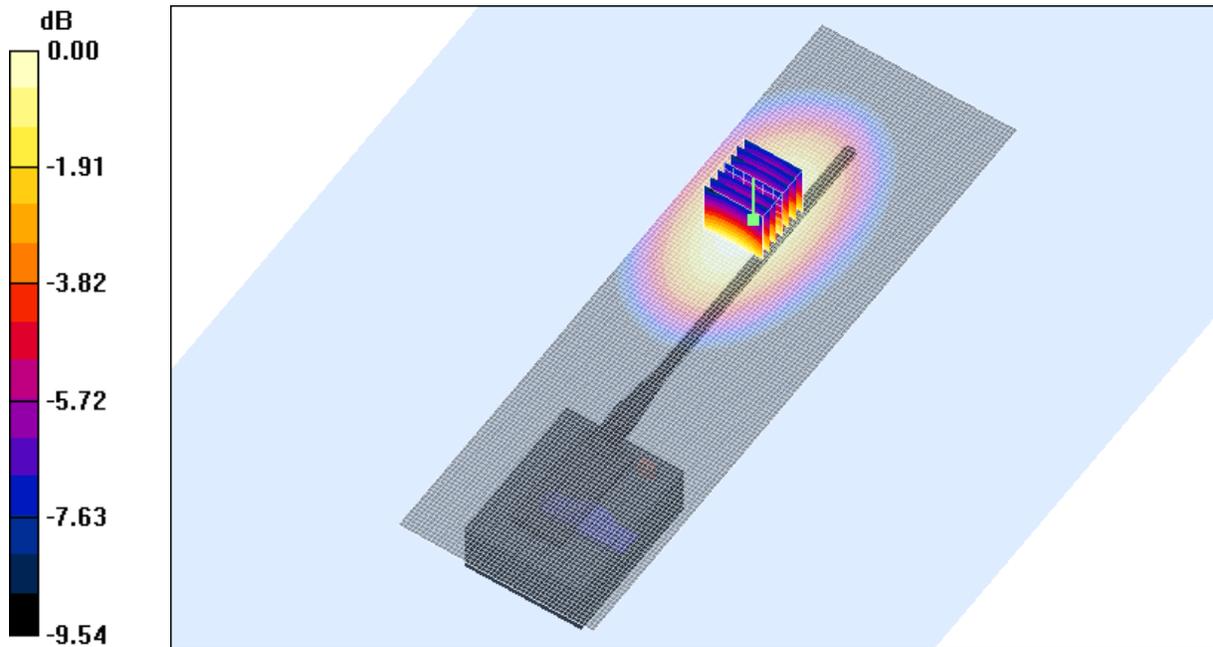
File Name: [TPA-AA-204 SPK MIC 810 MHz Belt Clip \(DAE442 Probe1377\) 22-09-05.da4](#)

DUT: Tait 810 MHz Handheld Transceiver; Type: TPA-AA-204, Antenna TPA-AN-023; Serial: **Not Specified**

- \* Communication System: CW 810 MHz; Frequency: 762 MHz; Duty Cycle: 1:1
- \* Medium parameters used:  $\sigma = 0.939051$  mho/m,  $\epsilon_r = 57.0014$ ;  $\rho = 1000$  kg/m<sup>3</sup>
- Electronics: DAE3 Sn442; Probe: ET3DV6 - SN1377; ConvF(6.2, 6.2, 6.2)
- Phantom: Flat Phantom 9.1; Serial: P 9.1; Phantom section: Flat 2.2 Section

**Channel 1 Test/Area Scan (51x161x1):** Measurement grid: dx=20mm, dy=20mm  
 Maximum value of SAR (interpolated) = 5.30 mW/g

**Channel 1 Test/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm  
 Reference Value = 75.1 V/m; Power Drift = -0.074 dB  
 Peak SAR (extrapolated) = 7.91 W/kg  
**SAR(1 g) = 5.02 mW/g; SAR(10 g) = 3.56 mW/g**  
 Maximum value of SAR (measured) = 5.25 mW/g



0 dB = 5.25mW/g

**SAR MEASUREMENT PLOT 24**

Ambient Temperature  
 Liquid Temperature  
 Humidity

19.8 Degrees Celsius  
 19.4 Degrees Celsius  
 52.0 %



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Test Date: 22 September 2005

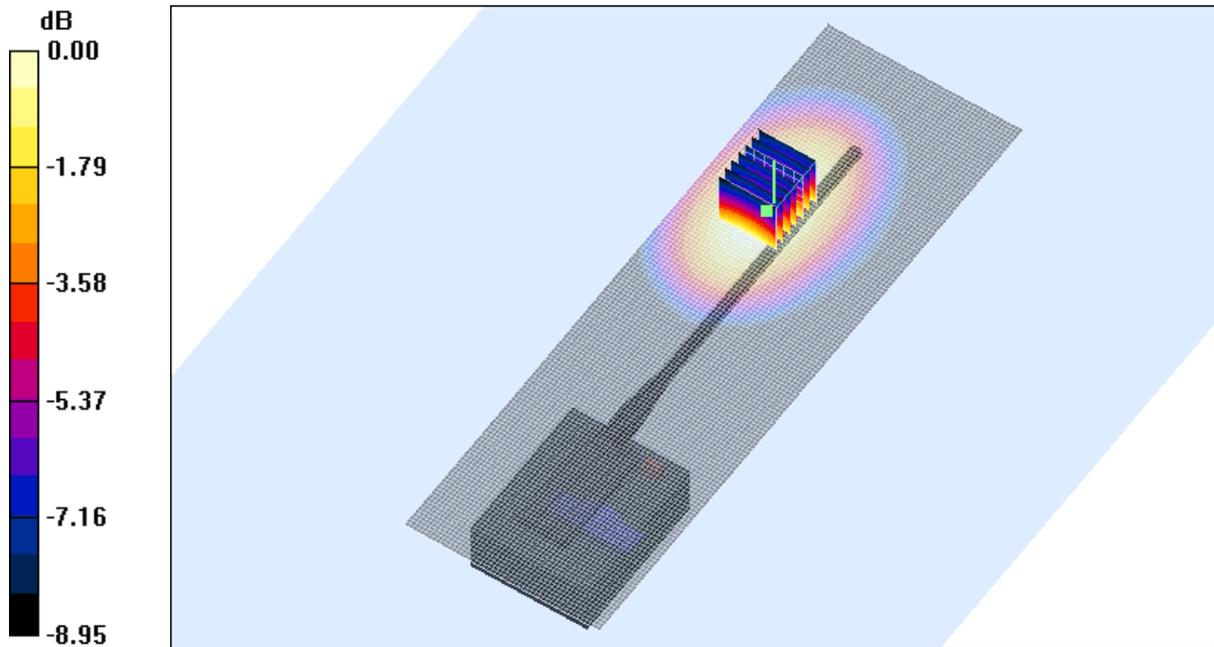
File Name: [TPA-AA-204 SPK MIC 810 MHz Belt Clip \(DAE442 Probe1377\) 22-09-05.da4](#)

DUT: Tait 810 MHz Handheld Transceiver; Type: TPA-AA-204, Antenna TPA-AN-023; Serial: **Not Specified**

- \* Communication System: CW 810 MHz; Frequency: 825 MHz; Duty Cycle: 1:1
- \* Medium parameters used:  $\sigma = 1.00813$  mho/m,  $\epsilon_r = 55.8402$ ;  $\rho = 1000$  kg/m<sup>3</sup>
- Electronics: DAE3 Sn442; Probe: ET3DV6 - SN1377; ConvF(5.9, 5.9, 5.9)
- Phantom: Flat Phantom 9.1; Serial: P 9.1; Phantom section: Flat 2.2 Section

**Channel 5 Test/Area Scan (51x161x1):** Measurement grid: dx=20mm, dy=20mm  
 Maximum value of SAR (interpolated) = 7.94 mW/g

**Channel 5 Test/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm  
 Reference Value = 87.7 V/m; Power Drift = -0.425 dB  
 Peak SAR (extrapolated) = 10.9 W/kg  
**SAR(1 g) = 7.29 mW/g; SAR(10 g) = 5.08 mW/g**  
 Maximum value of SAR (measured) = 7.67 mW/g



0 dB = 7.67mW/g

**SAR MEASUREMENT PLOT 25**

Ambient Temperature  
 Liquid Temperature  
 Humidity

19.8 Degrees Celsius  
 19.4 Degrees Celsius  
 52.0 %



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Test Date: 22 September 2005

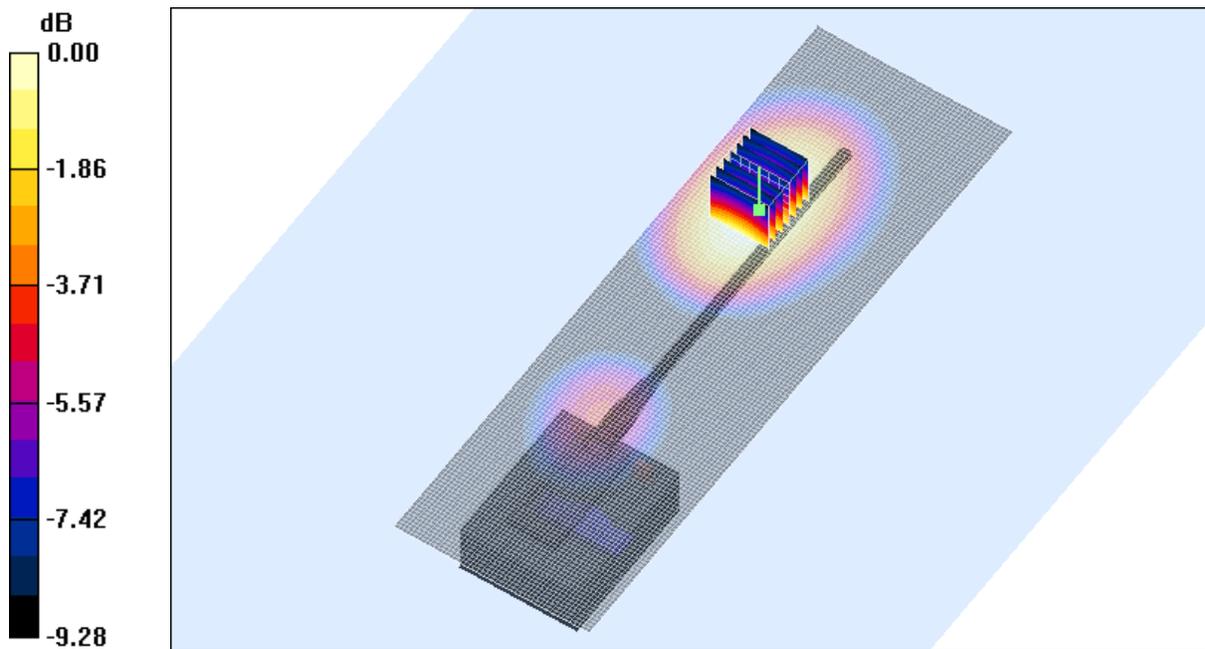
File Name: [TPA-AA-204 SPK MIC 810 MHz Belt Clip \(DAE442 Probe1377\) 22-09-05.da4](#)

DUT: Tait 810 MHz Handheld Transceiver; Type: TPA-AA-204, Antenna TPA-AN-023; Serial: **Not Specified**

- \* Communication System: CW 810 MHz; Frequency: 870 MHz; Duty Cycle: 1:1
- \* Medium parameters used:  $\sigma = 1.05387$  mho/m,  $\epsilon_r = 55.1413$ ;  $\rho = 1000$  kg/m<sup>3</sup>
- Electronics: DAE3 Sn442; Probe: ET3DV6 - SN1377; ConvF(5.9, 5.9, 5.9)
- Phantom: Flat Phantom 9.1; Serial: P 9.1; Phantom section: Flat 2.2 Section

**Channel 7 Test/Area Scan (51x161x1):** Measurement grid: dx=20mm, dy=20mm  
 Maximum value of SAR (interpolated) = 6.79 mW/g

**Channel 7 Test/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm  
 Reference Value = 79.3 V/m; Power Drift = -0.224 dB  
 Peak SAR (extrapolated) = 9.22 W/kg  
**SAR(1 g) = 6.13 mW/g; SAR(10 g) = 4.24 mW/g**  
 Maximum value of SAR (measured) = 6.48 mW/g



0 dB = 6.48mW/g

**SAR MEASUREMENT PLOT 26**

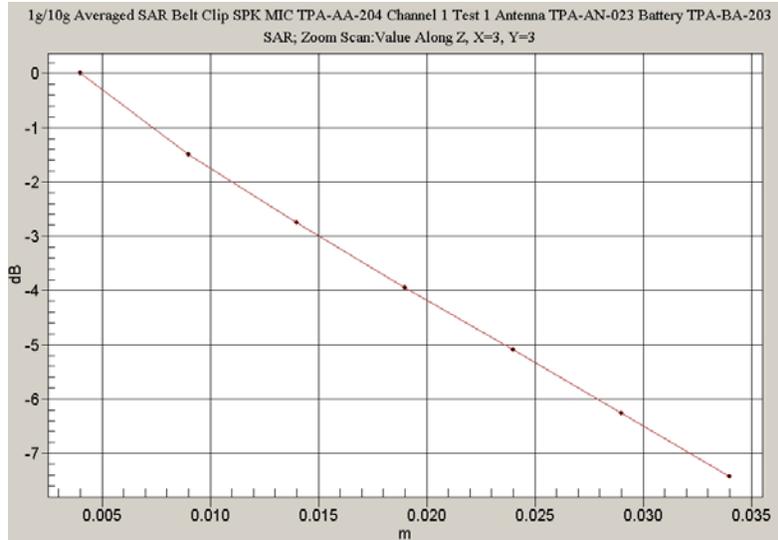
Ambient Temperature  
 Liquid Temperature  
 Humidity

19.8 Degrees Celsius  
 19.4 Degrees Celsius  
 52.0 %

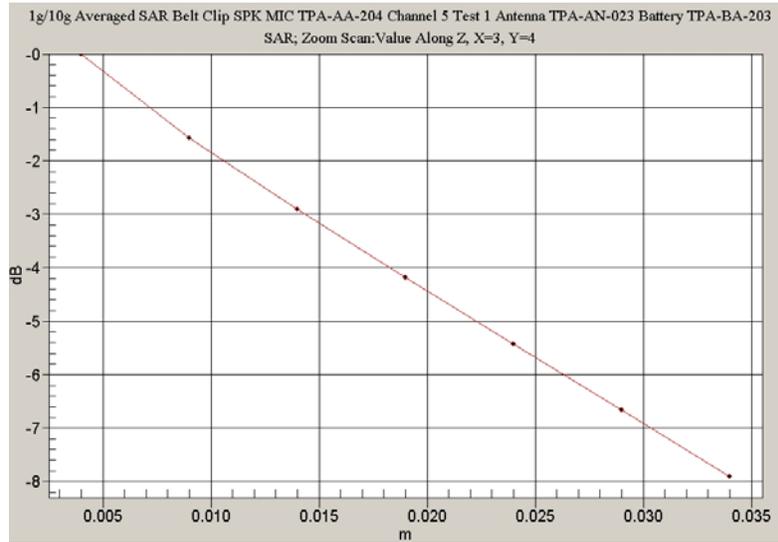


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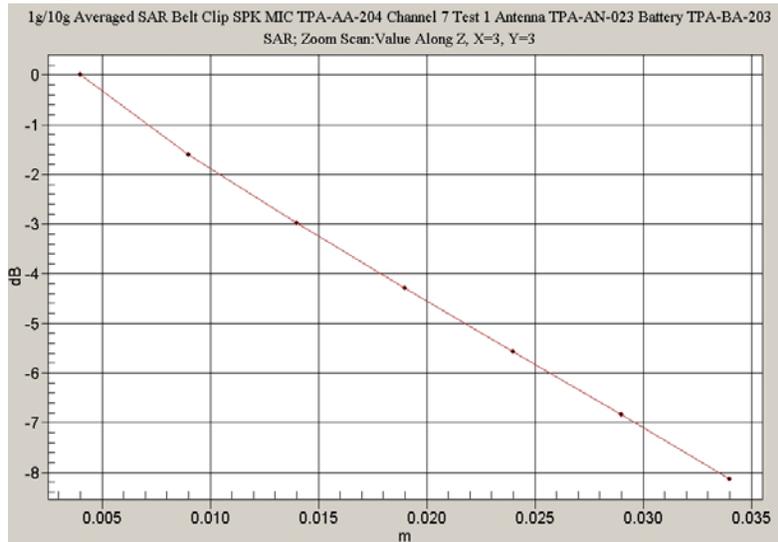
Z-Axis scan for Plot 24



Z-Axis scan for Plot 25



Z-Axis scan for Plot 26



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