

Test Date: 20 September 2005

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

DUT: Tait 810 MHz Handheld Transceiver; Type: TPAB12-K500A, Antenna TPA-AN-023; Serial: 21001665

* Communication System: CW 810 MHz; Frequency: 762 MHz; Duty Cycle: 1:1

* Medium parameters used: $\sigma = 0.938776$ mho/m, $\epsilon_r = 57.0709$; $\rho = 1000$ kg/m³

- 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 (51x191x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 4.44 mW/g

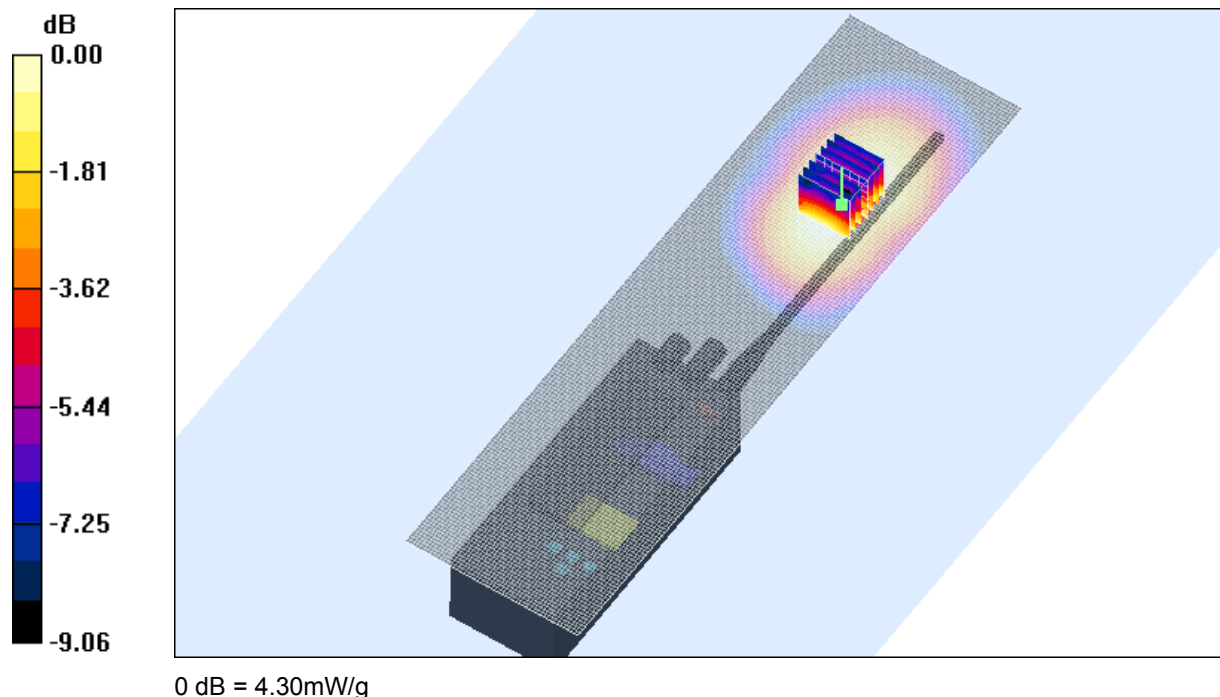
Channel 1 Test/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 49.0 V/m; Power Drift = -0.295 dB

Peak SAR (extrapolated) = 6.25 W/kg

SAR(1 g) = 3.94 mW/g; SAR(10 g) = 2.83 mW/g

Maximum value of SAR (measured) = 4.30 mW/g



SAR MEASUREMENT PLOT 13

Ambient Temperature
Liquid Temperature
Humidity

20.1 Degrees Celsius
19.8 Degrees Celsius
46.0 %



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DUT: Tait 810 MHz Handheld Transceiver; Type: TPAB12-K500A, Antenna TPA-AN-023; 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/m³

- 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 (51x191x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 4.16 mW/g

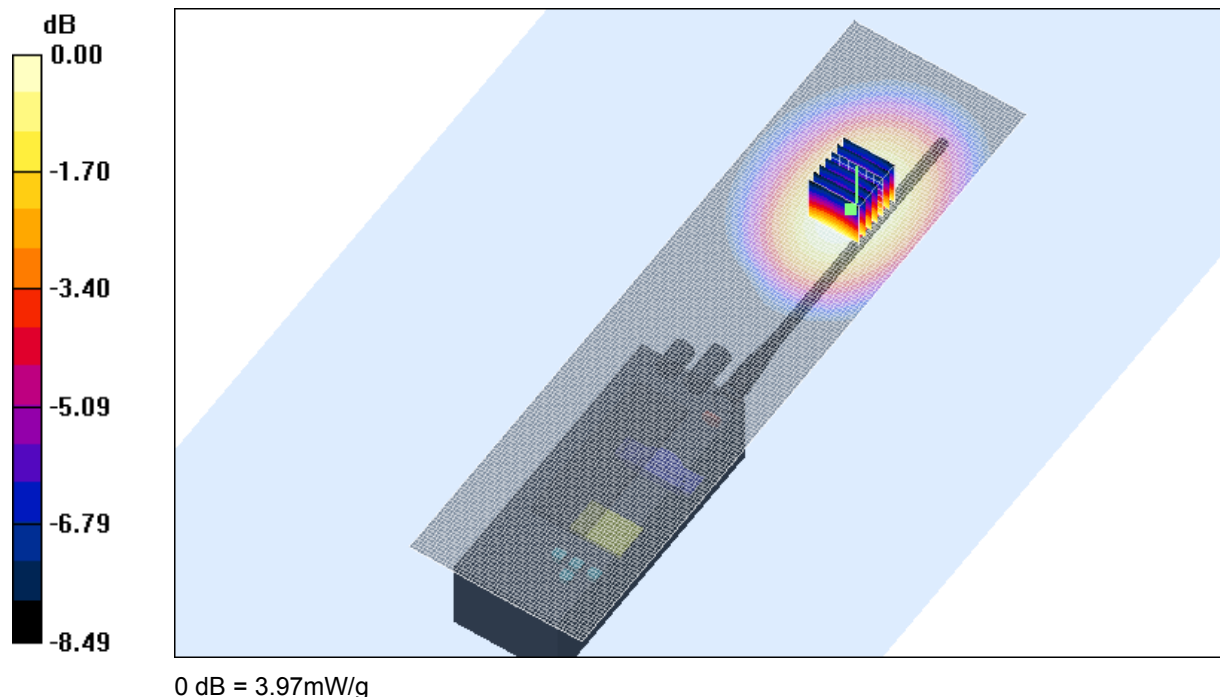
Channel 5 Test/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 45.1 V/m; Power Drift = 0.242 dB

Peak SAR (extrapolated) = 5.57 W/kg

SAR(1 g) = 3.78 mW/g; SAR(10 g) = 2.69 mW/g

Maximum value of SAR (measured) = 3.97 mW/g



SAR MEASUREMENT PLOT 14

Ambient Temperature
Liquid Temperature
Humidity

20.1 Degrees Celsius
19.8 Degrees Celsius
46.0 %

Test Date: 20 September 2005

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

DUT: Tait 810 MHz Handheld Transceiver; Type: TPAB12-K500A, Antenna TPA-AN-023; Serial: 21001665

* Communication System: CW 810 MHz; Frequency: 870 MHz; Duty Cycle: 1:1

* Medium parameters used: $\sigma = 1.05009$ mho/m, $\epsilon_r = 56.0316$; $\rho = 1000$ kg/m³

- 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 2/Area Scan (51x191x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 3.37 mW/g

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

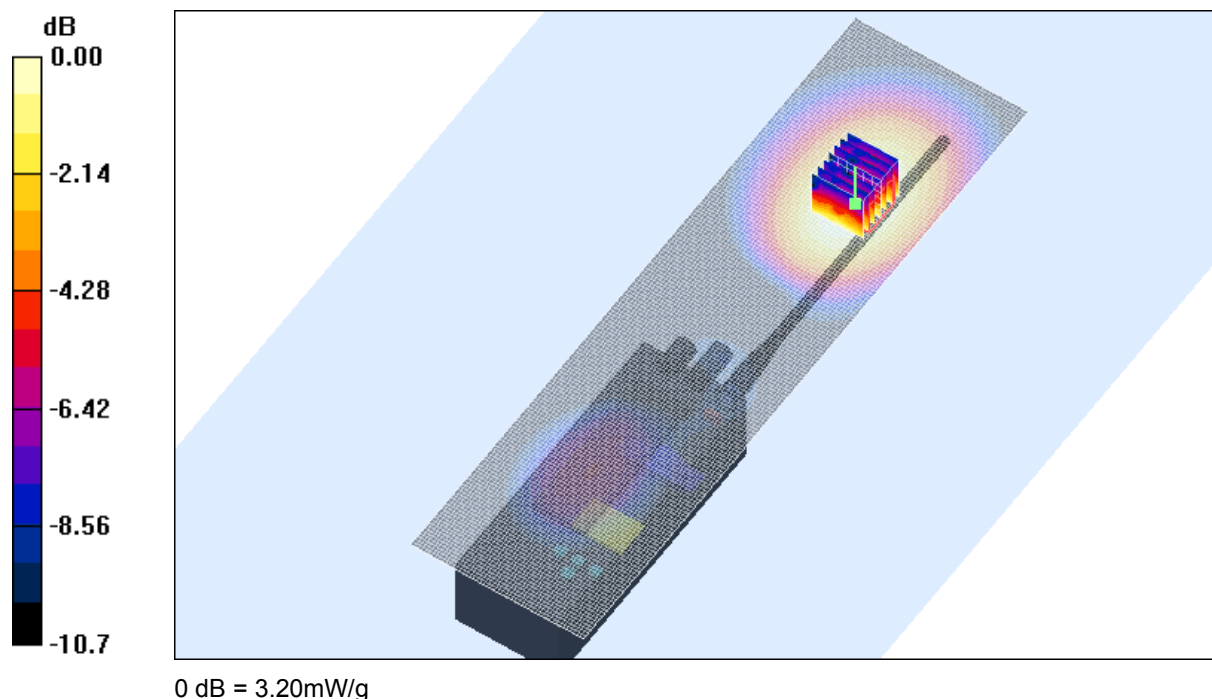
dy=5mm, dz=5mm

Reference Value = 33.8 V/m; Power Drift = -0.289 dB

Peak SAR (extrapolated) = 7.38 W/kg

SAR(1 g) = 2.97 mW/g; SAR(10 g) = 2.01 mW/g

Maximum value of SAR (measured) = 3.20 mW/g



SAR MEASUREMENT PLOT 15

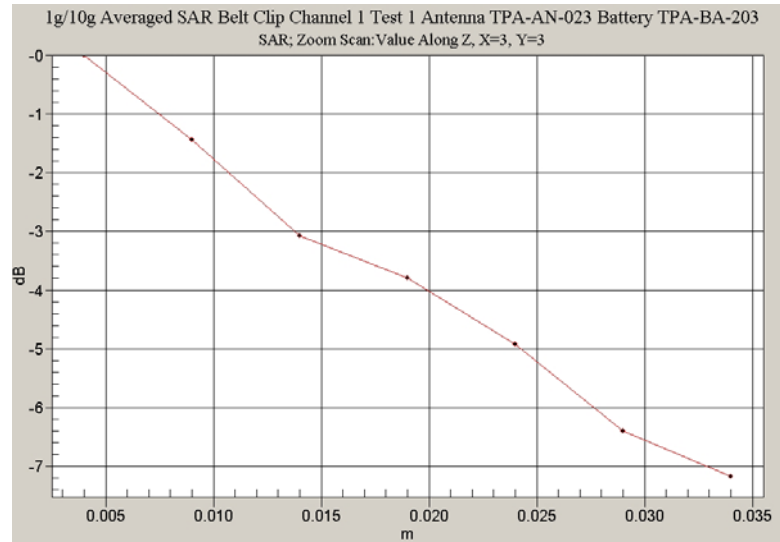
Ambient Temperature
Liquid Temperature
Humidity

20.1 Degrees Celsius
19.8 Degrees Celsius
46.0 %

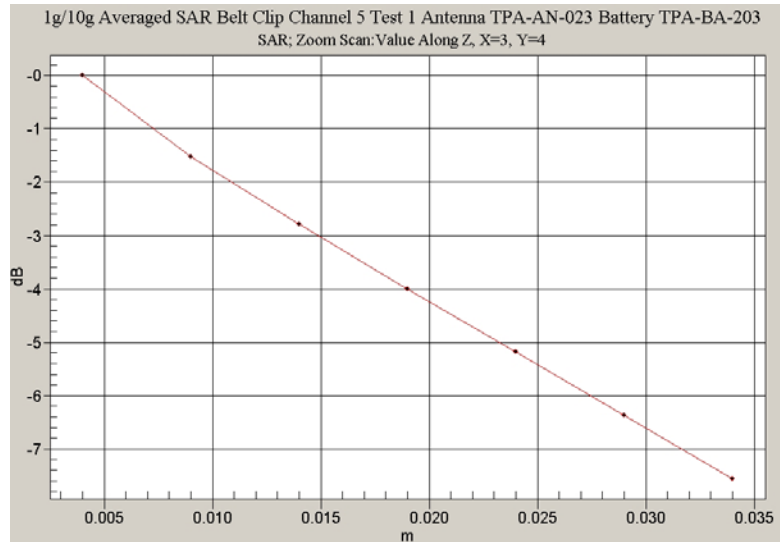


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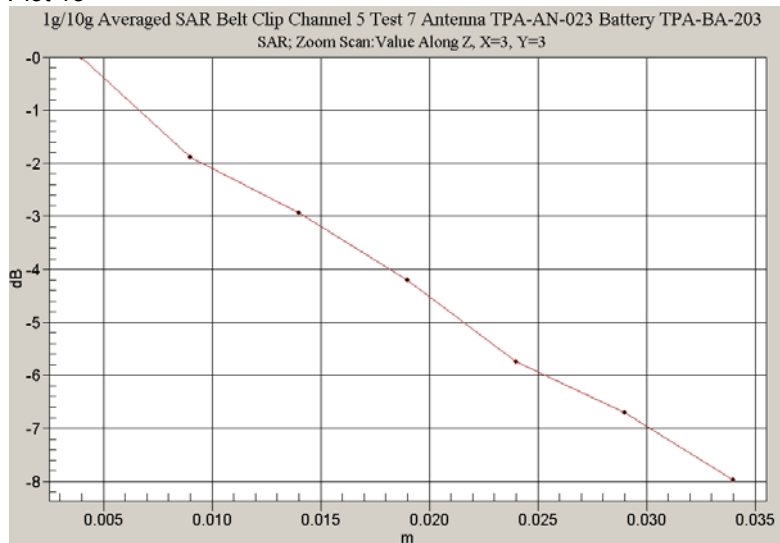
Z-Axis scan for Plot 13



Z-Axis scan for Plot 14



Z-Axis scan for Plot 15



Test Date: 20 September 2005

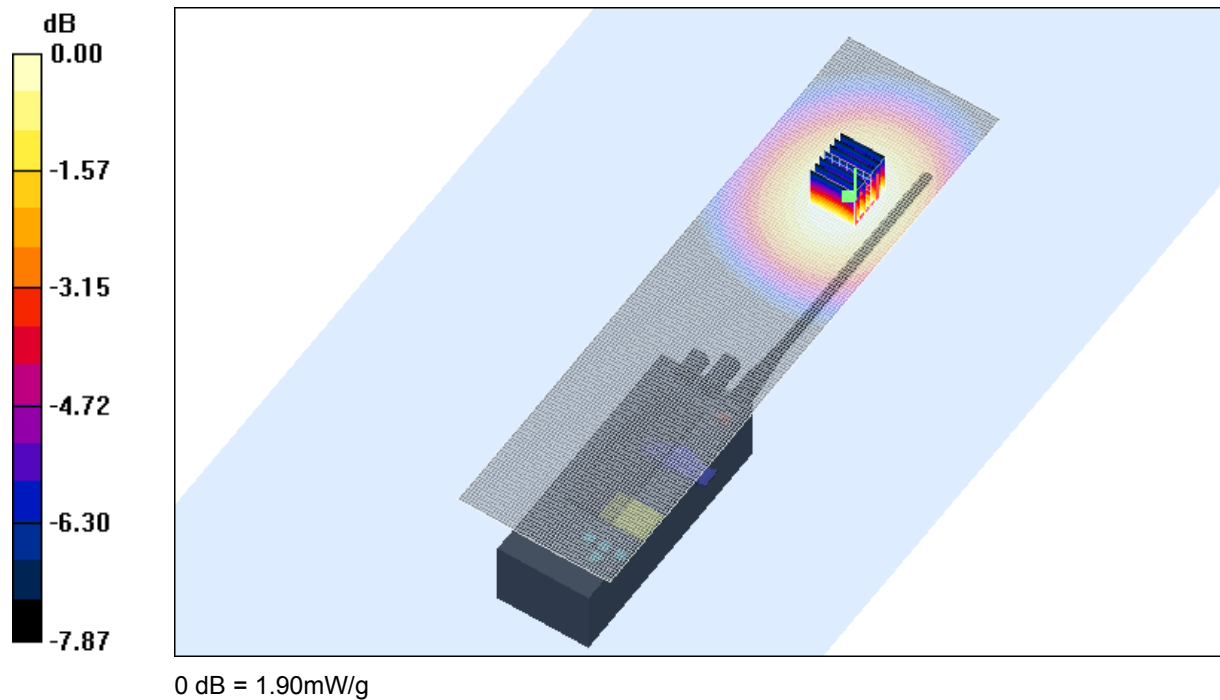
File Name: [TPAB12-K500A Ni-MH Battery \(TPA-BA-203\) 810 MHz Holster \(DAE442 Probe1377\) 20-09-05.da4](#)

DUT: Tait 810 MHz Handheld Transceiver; Type: TPAB12-K500A, Antenna TPA-AN-023; 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/m³
- 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 (51x191x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 1.99 mW/g

Channel 5 Test/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 33.6 V/m; Power Drift = -0.418 dB
Peak SAR (extrapolated) = 2.61 W/kg
SAR(1 g) = 1.81 mW/g; SAR(10 g) = 1.33 mW/g
Maximum value of SAR (measured) = 1.90 mW/g



SAR MEASUREMENT PLOT 16

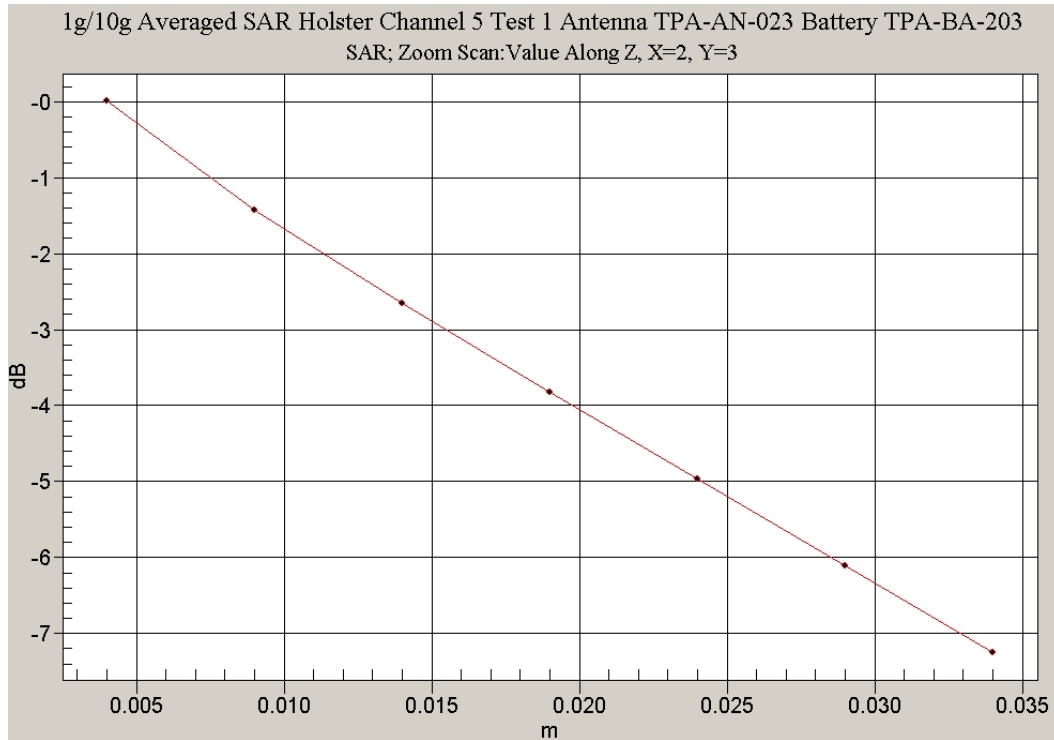
Ambient Temperature
Liquid Temperature
Humidity

20.1 Degrees Celsius
19.8 Degrees Celsius
46.0 %



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Z-Axis scan for Plot 16



Test Date: 20 September 2005

File Name: [TPAB12-K500A Ni-MH Battery \(TPA-BA-203\) 810 MHz Belt Clip 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: 762 MHz; Duty Cycle: 1:1

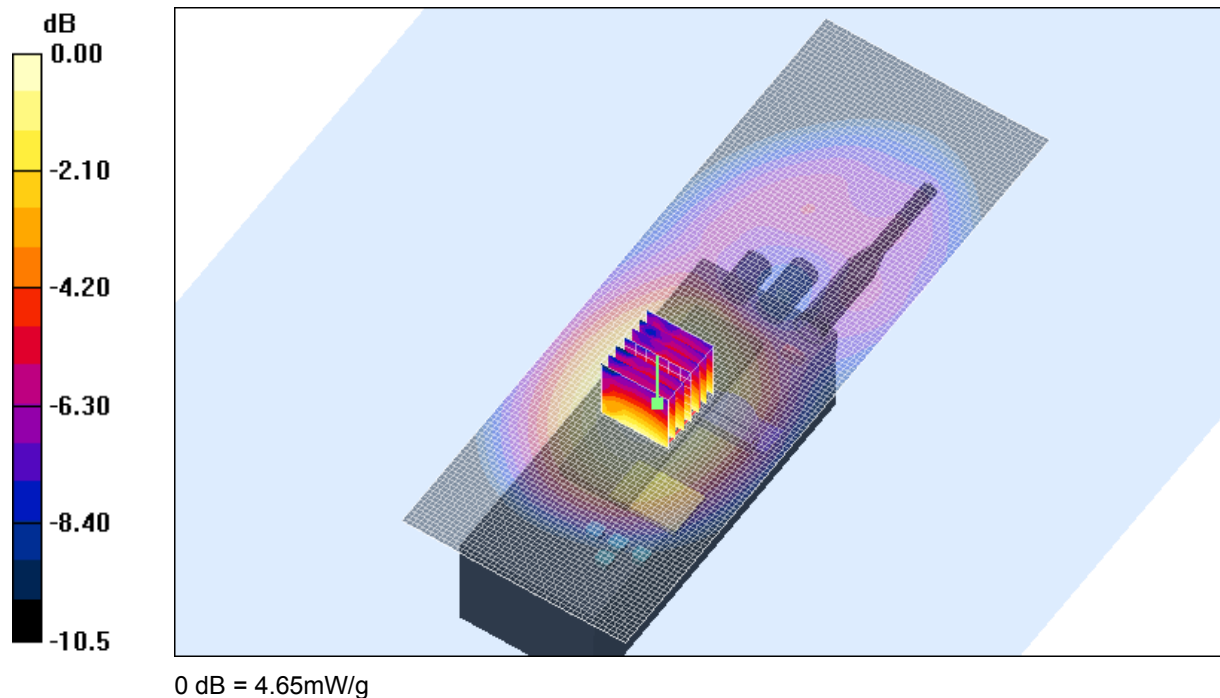
* Medium parameters used: $\sigma = 0.938776$ mho/m, $\epsilon_r = 57.0709$; $\rho = 1000$ kg/m³

- 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 (51x141x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 4.58 mW/g

Channel 1 Test/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 34.2 V/m; Power Drift = -0.386 dB
Peak SAR (extrapolated) = 11.8 W/kg
SAR(1 g) = 4.6 mW/g; SAR(10 g) = 3.23 mW/g
Maximum value of SAR (measured) = 4.65 mW/g



SAR MEASUREMENT PLOT 17

Ambient Temperature
Liquid Temperature
Humidity

20.1 Degrees Celsius
19.8 Degrees Celsius
46.0 %

Test Date: 20 September 2005

File Name: [TPAB12-K500A Ni-MH Battery \(TPA-BA-203\) 810 MHz Belt Clip 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/m³

- 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) = 4.23 mW/g

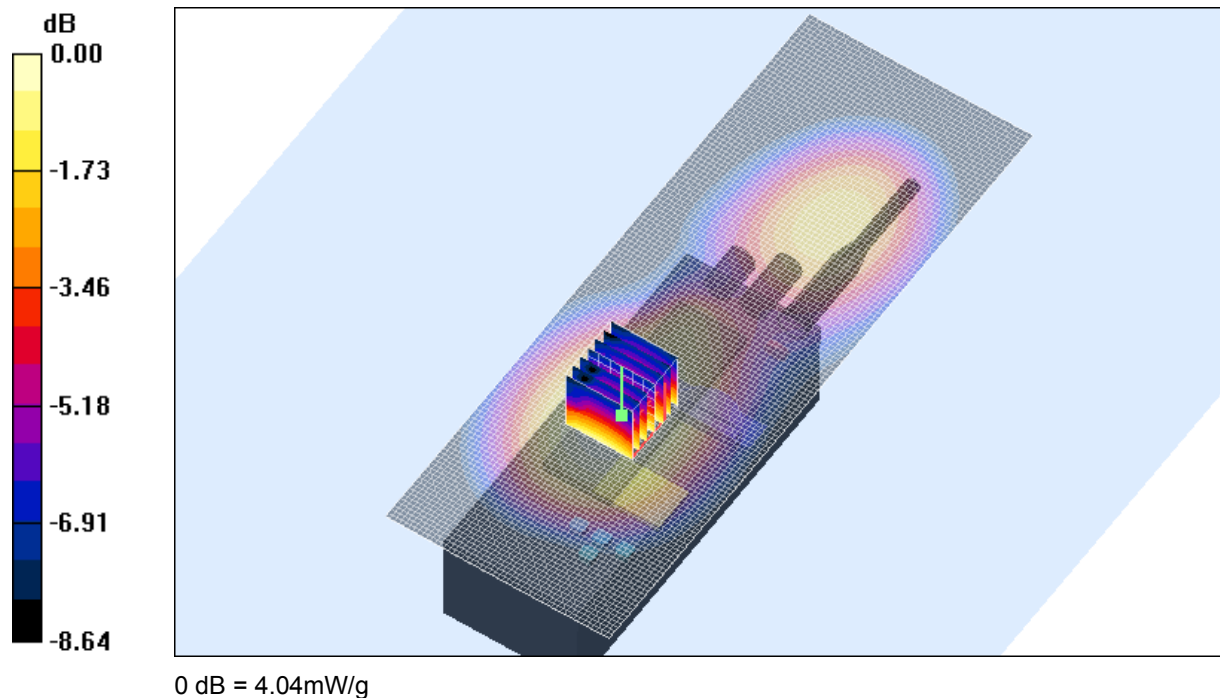
Channel 5 Test/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 50.1 V/m; Power Drift = -0.405 dB

Peak SAR (extrapolated) = 6.54 W/kg

SAR(1 g) = 3.85 mW/g; SAR(10 g) = 2.77 mW/g

Maximum value of SAR (measured) = 4.04 mW/g



SAR MEASUREMENT PLOT 18

Ambient Temperature
Liquid Temperature
Humidity

20.1 Degrees Celsius
19.8 Degrees Celsius
46.0 %

Test Date: 21 September 2005

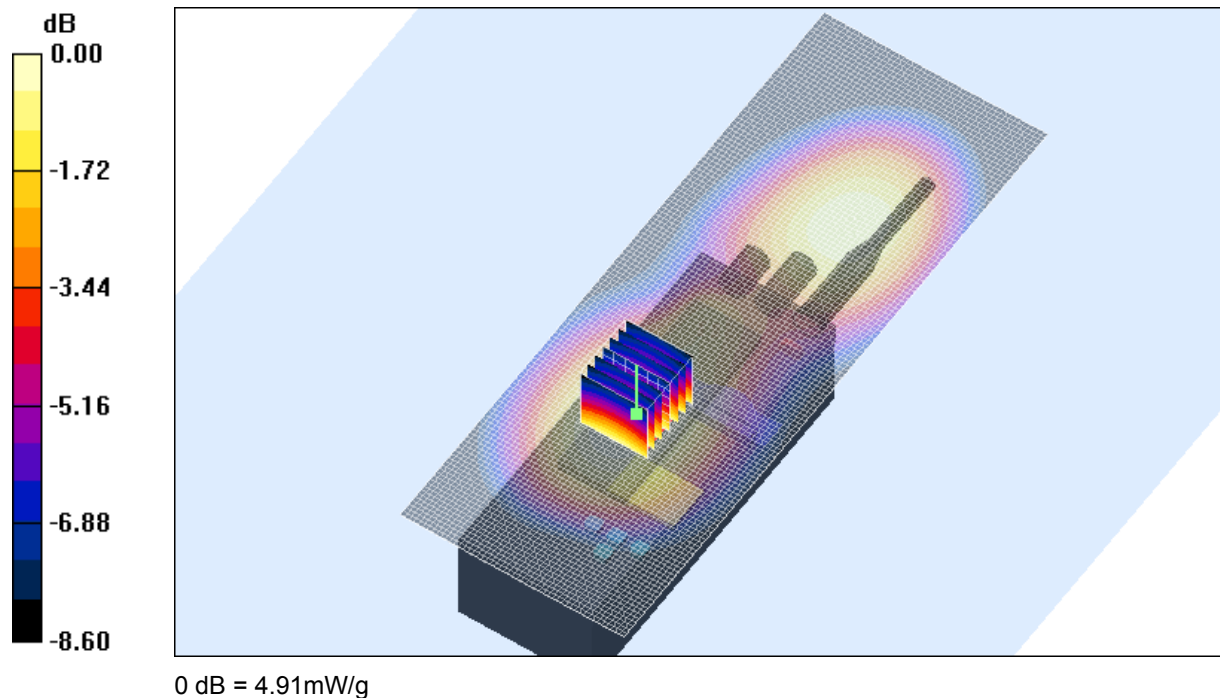
File Name: [TPAB12-K500A Ni-MH Battery \(TPA-BA-203\) 810 MHz Belt Clip Antenna MINI \(DAE442 Probe1377\) 21-09-05.da4](#)

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/m³
- 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) = 5.19 mW/g

Channel 7 Test/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 62.1 V/m; Power Drift = -0.306 dB
Peak SAR (extrapolated) = 6.72 W/kg
SAR(1 g) = 4.67 mW/g; SAR(10 g) = 3.34 mW/g
Maximum value of SAR (measured) = 4.91 mW/g



SAR MEASUREMENT PLOT 19

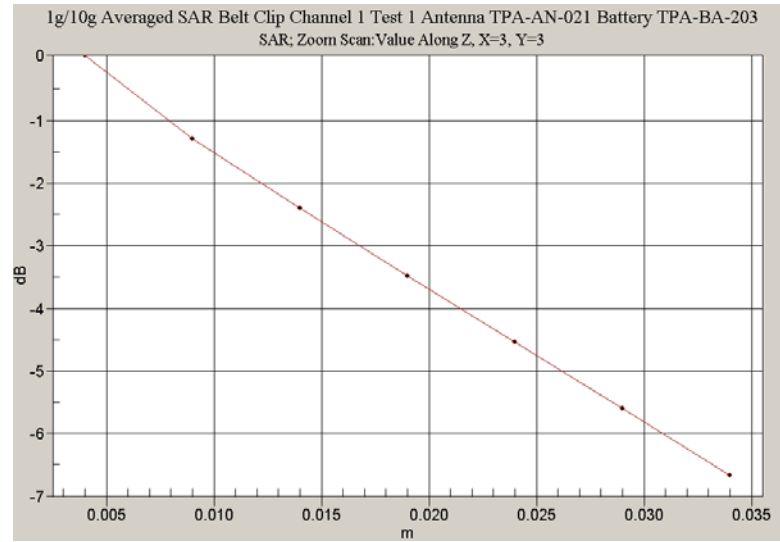
Ambient Temperature
Liquid Temperature
Humidity

19.7 Degrees Celsius
19.5 Degrees Celsius
44.0 %

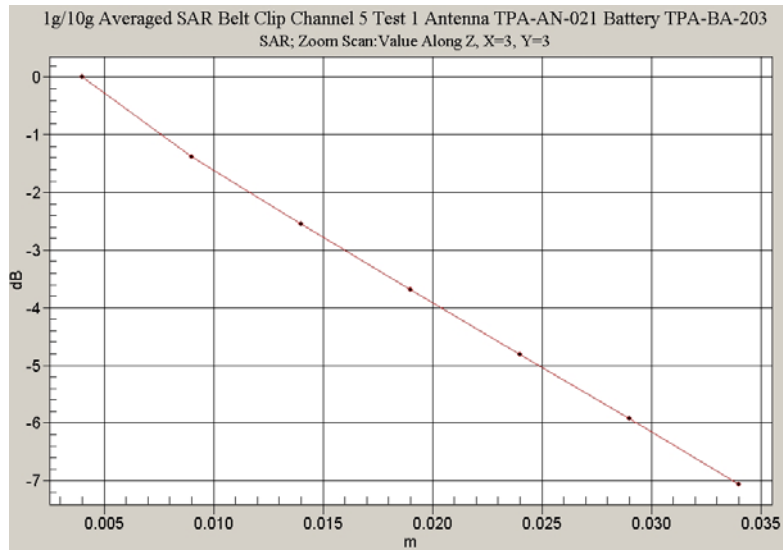


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Z-Axis scan for Plot 17



Z-Axis scan for Plot 18



Z-Axis scan for Plot 19

