

Test Date: 21 September 2005

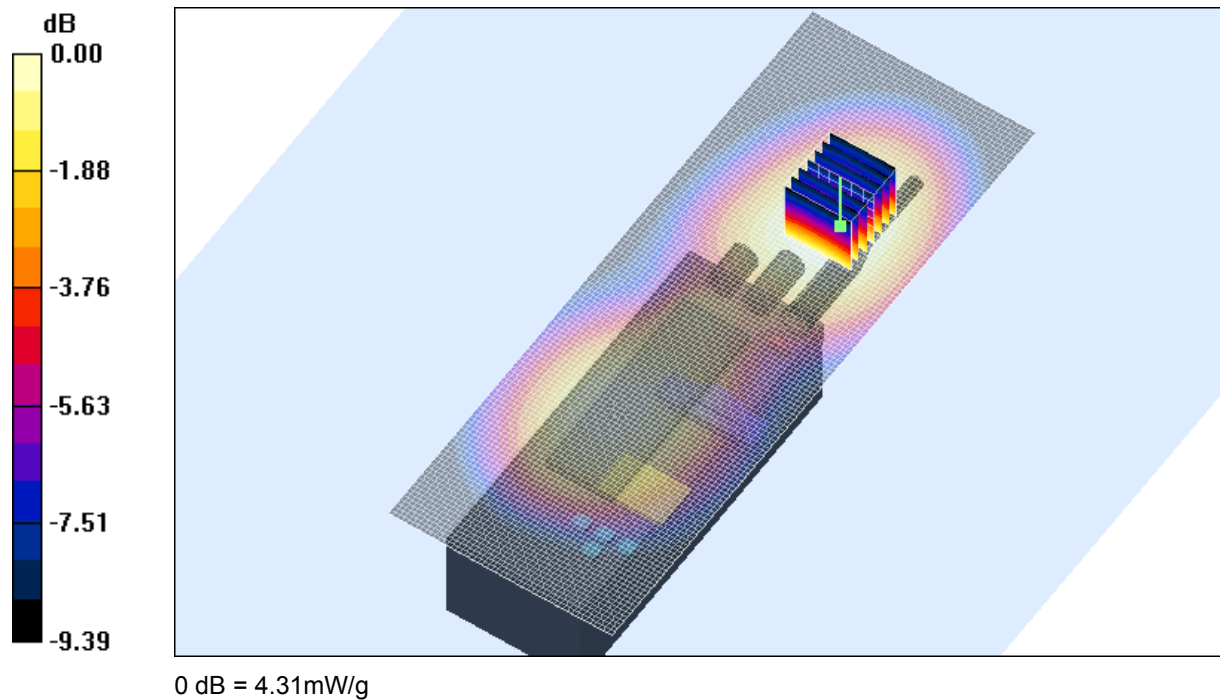
File Name: [TPAB12-K500A Ni-MH IS Battery \(TPA-BA-204\) 810 MHz Belt Clip Antenna MINI \(DAE442 Probe1377\) 21-09-05.da4](#)

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/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) = 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



SAR MEASUREMENT PLOT 20

Ambient Temperature
Liquid Temperature
Humidity

19.7 Degrees Celsius
19.5 Degrees Celsius
44.0 %



This document shall not be copied or reproduced, except in full without the written permission of the Technical Director, EMC Technologies Pty. Ltd.

Test Date: 22 September 2005

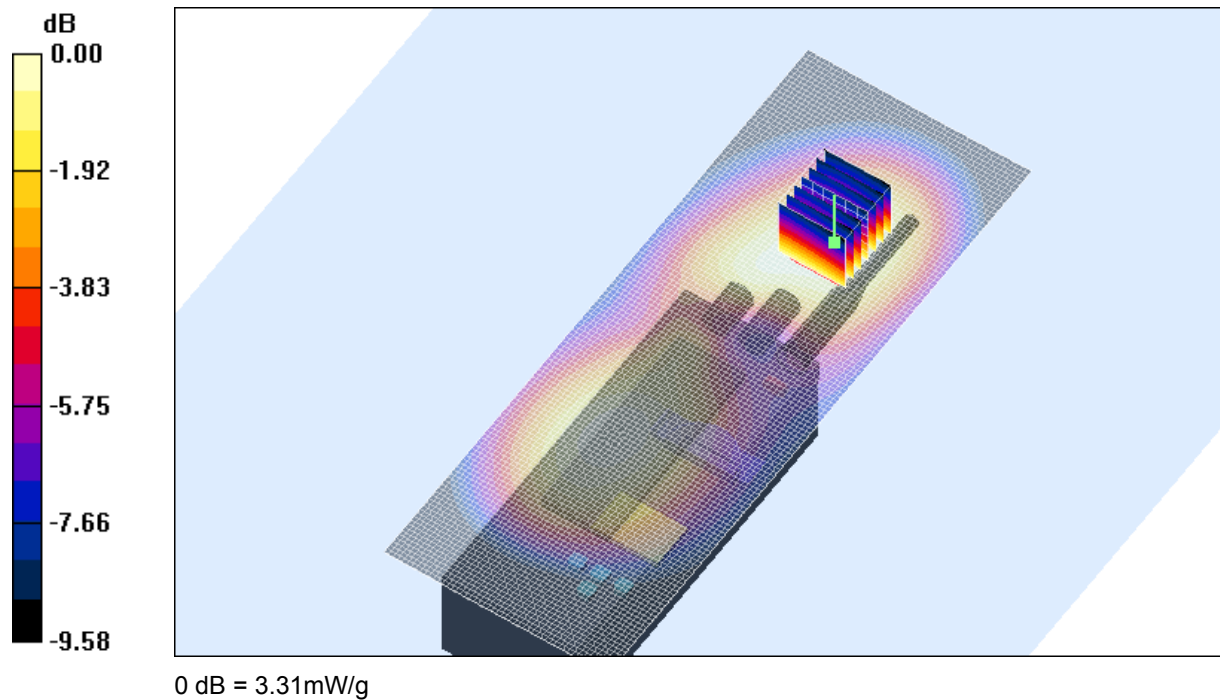
File Name: [TPAB12-K500A Ni-Cd IS Battery \(TPA-BA-202\) 810 MHz Belt Clip Antenna MINI \(DAE442 Probe1377\) 22-09-05.da4](#)

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/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) = 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



SAR MEASUREMENT PLOT 21

Ambient Temperature
Liquid Temperature
Humidity

19.8 Degrees Celsius
19.4 Degrees Celsius
52.0 %



This document shall not be copied or reproduced, except in full without the written permission of the Technical Director, EMC Technologies Pty. Ltd.

Test Date: 22 September 2005

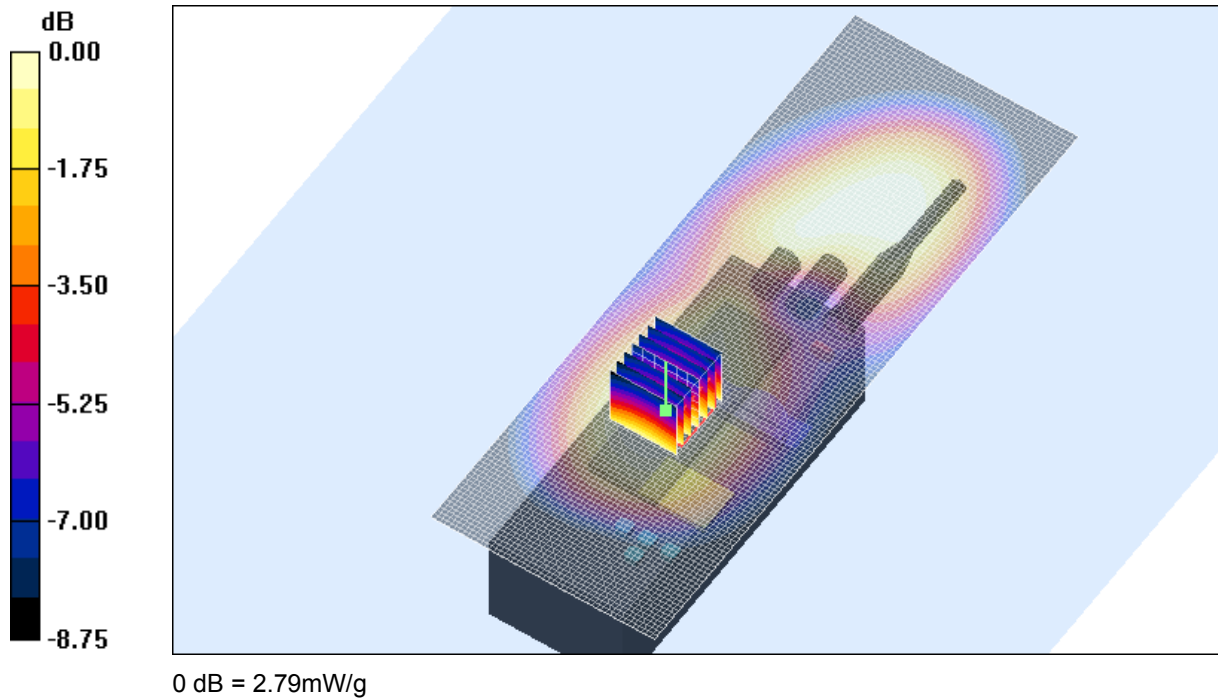
File Name: [TPAB12-K500A Ni-MH IS Battery \(TPA-BA-201\) 810 MHz Belt Clip Antenna MINI \(DAE442 Probe1377\) 22-09-05.da4](#)

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/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) = 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



SAR MEASUREMENT PLOT 22

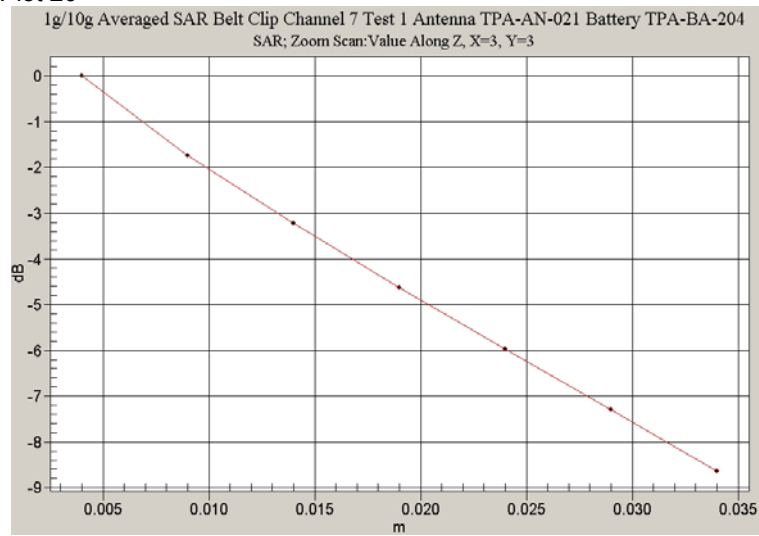
Ambient Temperature
Liquid Temperature
Humidity

19.8 Degrees Celsius
19.4 Degrees Celsius
52.0 %

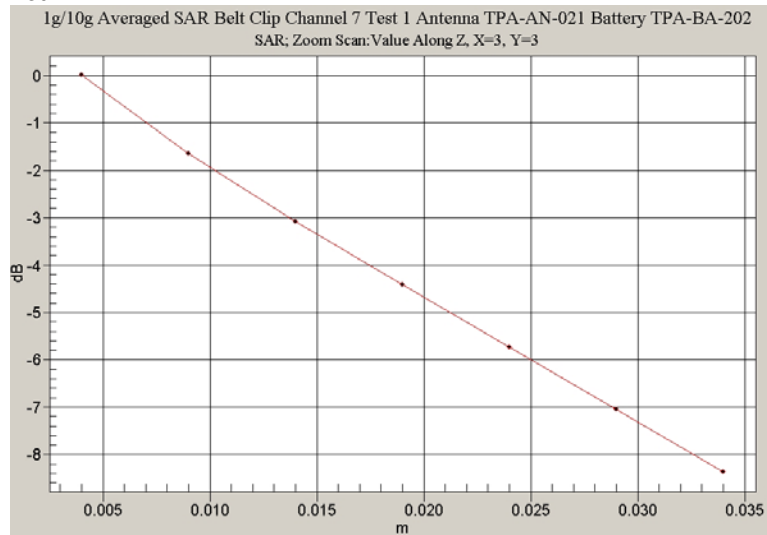


This document shall not be copied or reproduced, except in full without the written permission of the Technical Director, EMC Technologies Pty. Ltd.

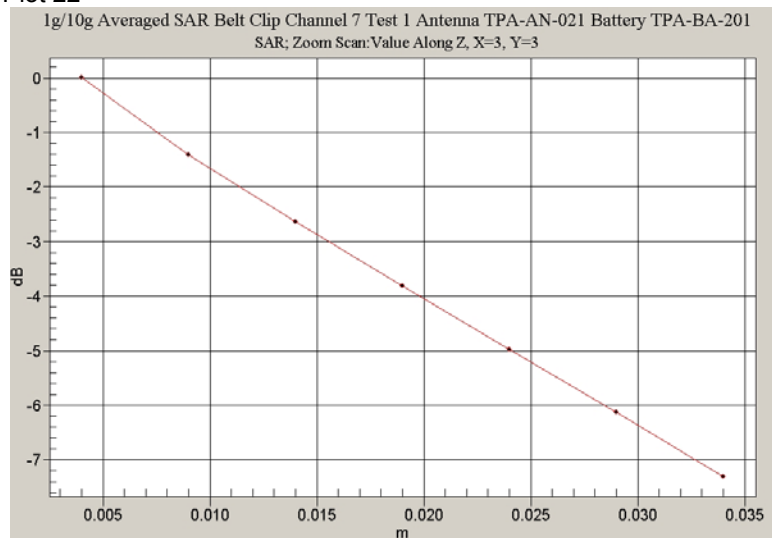
Z-Axis scan for Plot 20



Z-Axis scan for Plot 21



Z-Axis scan for Plot 22



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/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) = 2.31 mW/g

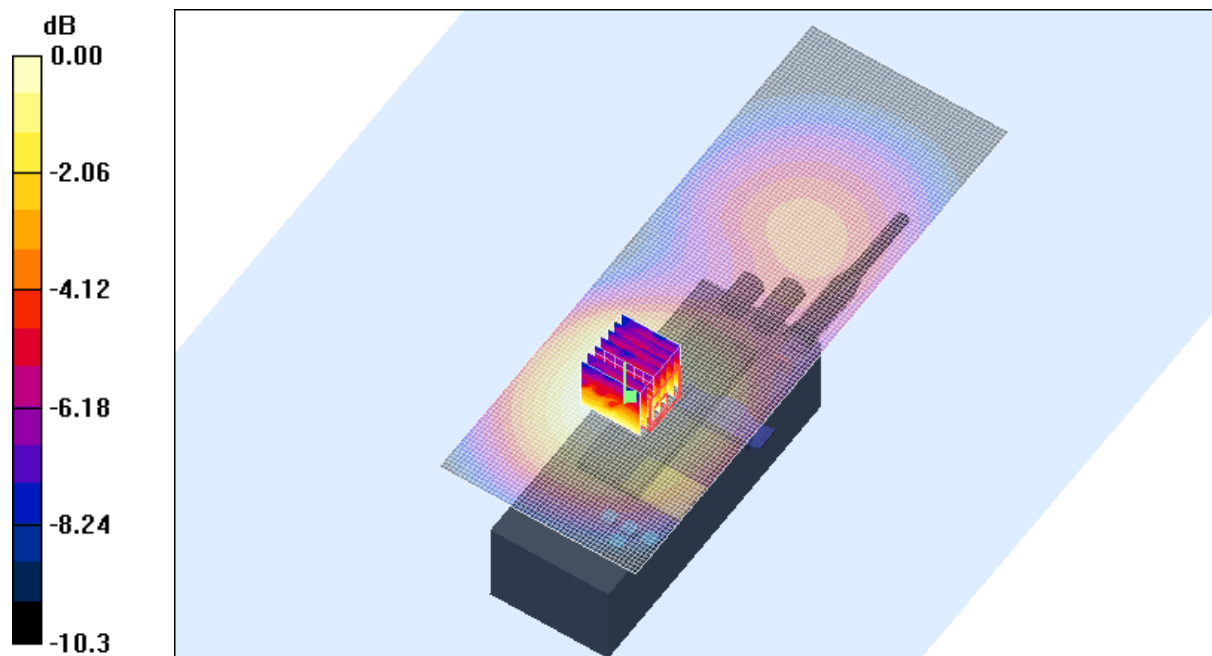
Channel 5 Test/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

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

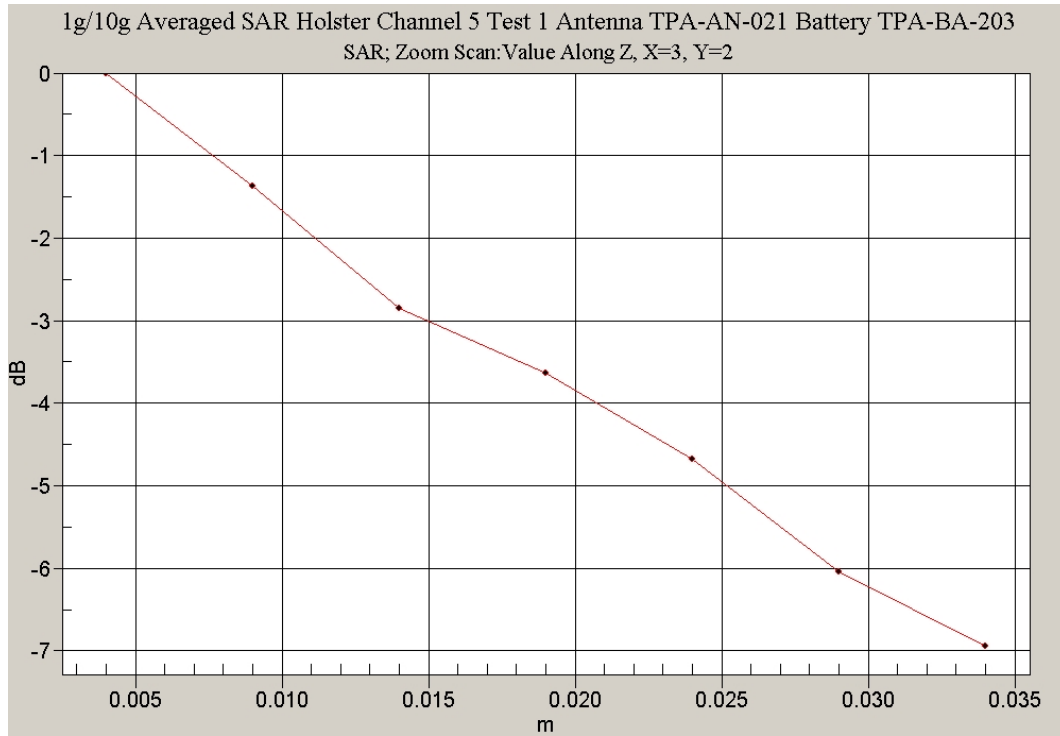
Ambient Temperature
Liquid Temperature
Humidity

20.1 Degrees Celsius
19.8 Degrees Celsius
46.0 %



This document shall not be copied or reproduced, except in full without the written permission of the Technical Director, EMC Technologies Pty. Ltd.

Z-Axis scan for Plot 23



Test Date: 22 September 2005

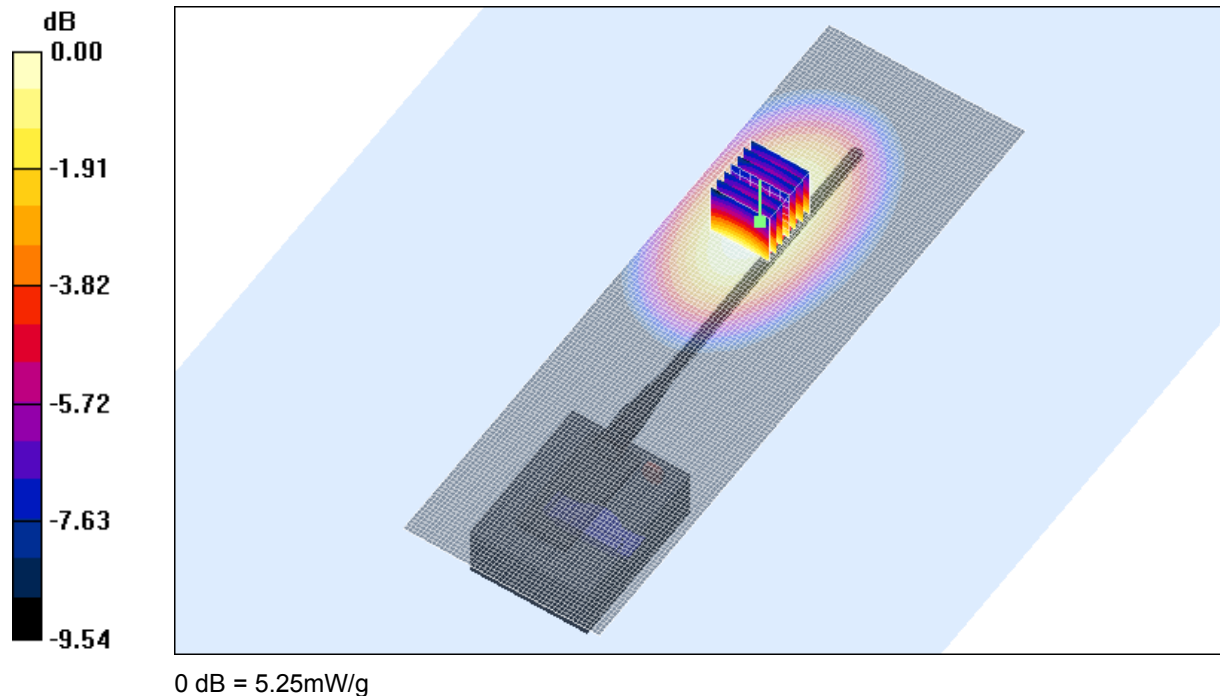
File Name: [TPA-AA-204 SPK MIC 810 MHz Belt Clip \(DAE442 Probe1377\) 22-09-05.da4](#)

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/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 (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



SAR MEASUREMENT PLOT 24

Ambient Temperature
Liquid Temperature
Humidity

19.8 Degrees Celsius
19.4 Degrees Celsius
52.0 %



This document shall not be copied or reproduced, except in full without the written permission of the Technical Director , EMC Technologies Pty. Ltd.

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/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 (51x161x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 7.94 mW/g

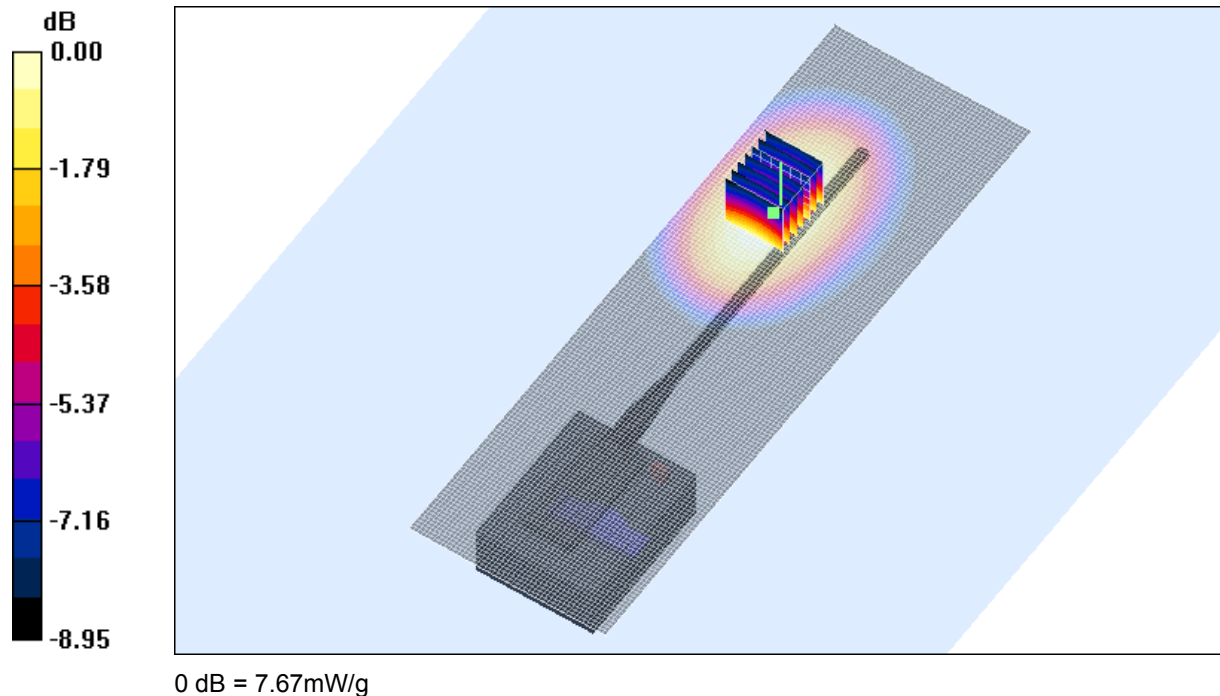
Channel 5 Test/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

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



SAR MEASUREMENT PLOT 25

Ambient Temperature
Liquid Temperature
Humidity

19.8 Degrees Celsius
19.4 Degrees Celsius
52.0 %

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/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 (51x161x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 6.79 mW/g

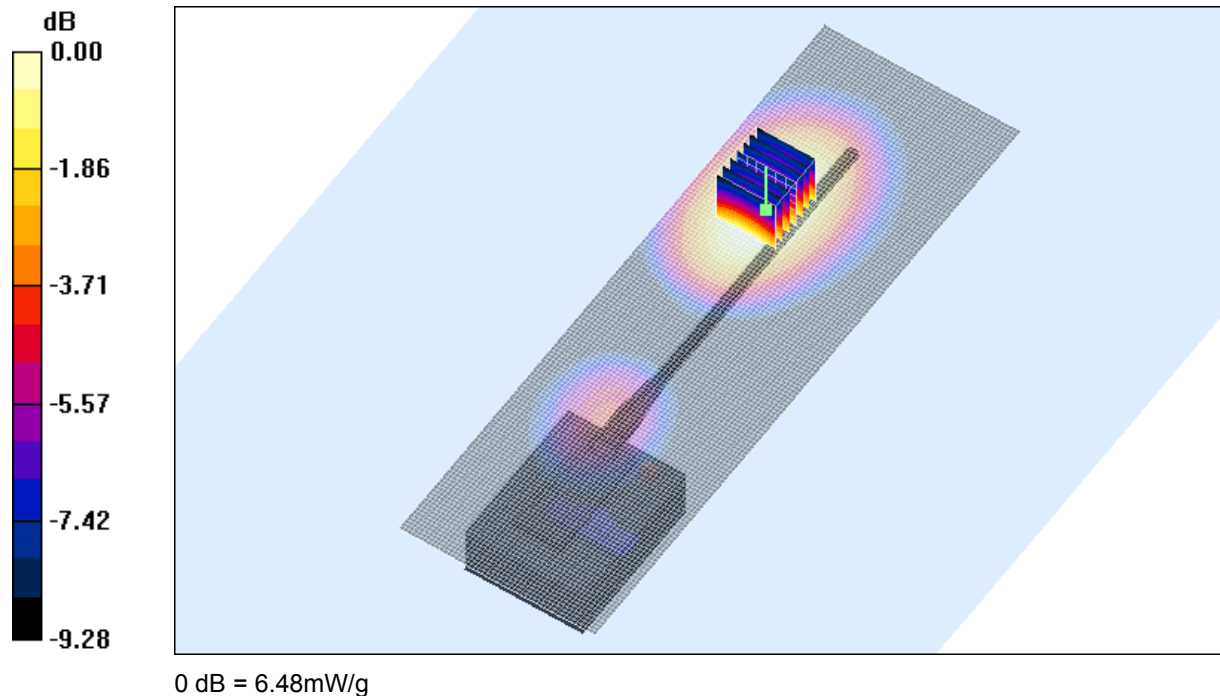
Channel 7 Test/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

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

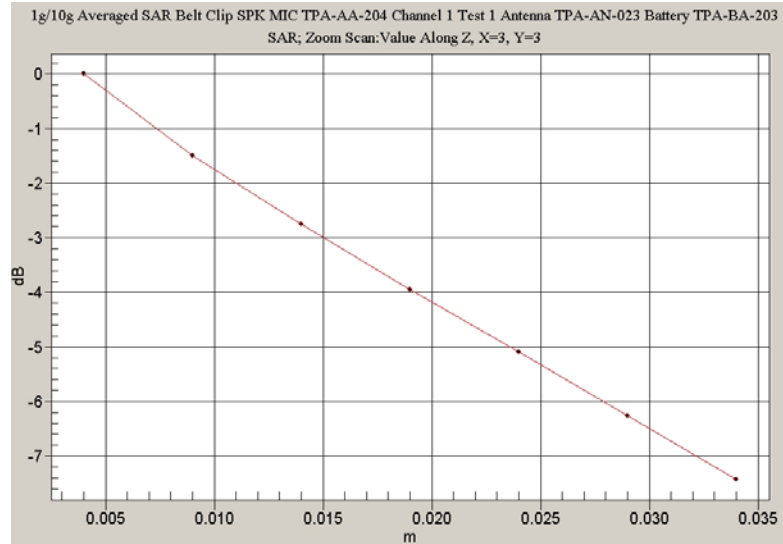


SAR MEASUREMENT PLOT 26

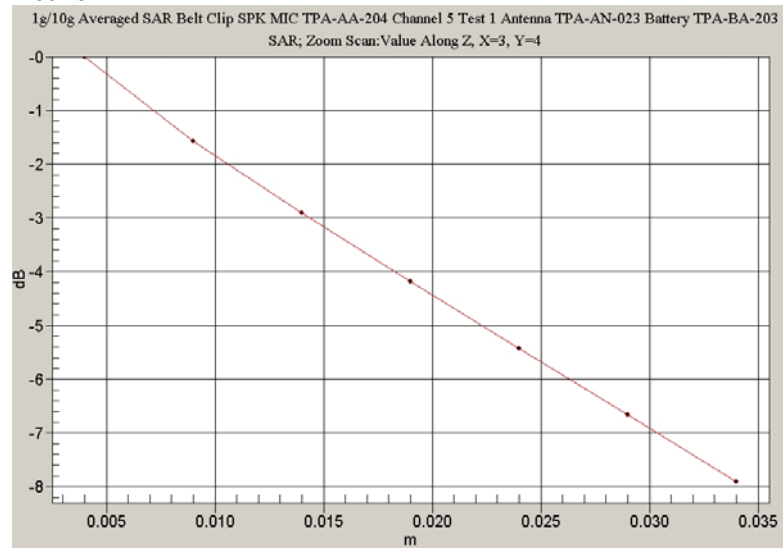
Ambient Temperature
Liquid Temperature
Humidity

19.8 Degrees Celsius
19.4 Degrees Celsius
52.0 %

Z-Axis scan for Plot 24



Z-Axis scan for Plot 25



Z-Axis scan for Plot 26

