

Test Date: 21 September 2005

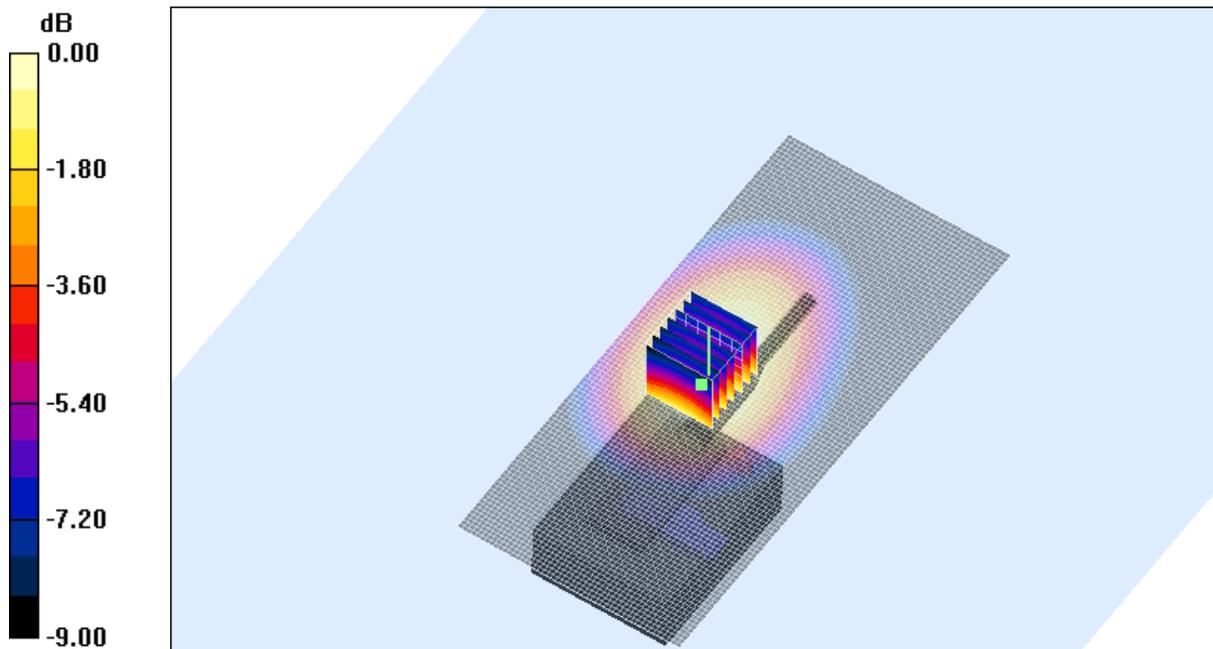
File Name: [TPA-AA-204 SPK MIC 810 MHz Belt Clip Antenna MINI \(DAE442 Probe1377\) 21-09-05.da4](#)

DUT: Tait 810 MHz Handheld Transceiver; Type: TPA-AA-204, Antenna TPA-AN-021; Serial: **Not Specified**

- * Communication System: CW 810 MHz; Frequency: 762 MHz; Duty Cycle: 1:1
- * Medium parameters used: $\sigma = 0.943543$ mho/m, $\epsilon_r = 54.1815$; $\rho = 1000$ 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 (51x111x1): Measurement grid: dx=20mm, dy=20mm
 Maximum value of SAR (interpolated) = 9.60 mW/g

Channel 1 Test/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
 Reference Value = 67.8 V/m; Power Drift = -0.343 dB
 Peak SAR (extrapolated) = 12.7 W/kg
SAR(1 g) = 8.59 mW/g; SAR(10 g) = 6.1 mW/g
 Maximum value of SAR (measured) = 9.03 mW/g



0 dB = 9.03mW/g

SAR MEASUREMENT PLOT 27

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: 21 September 2005

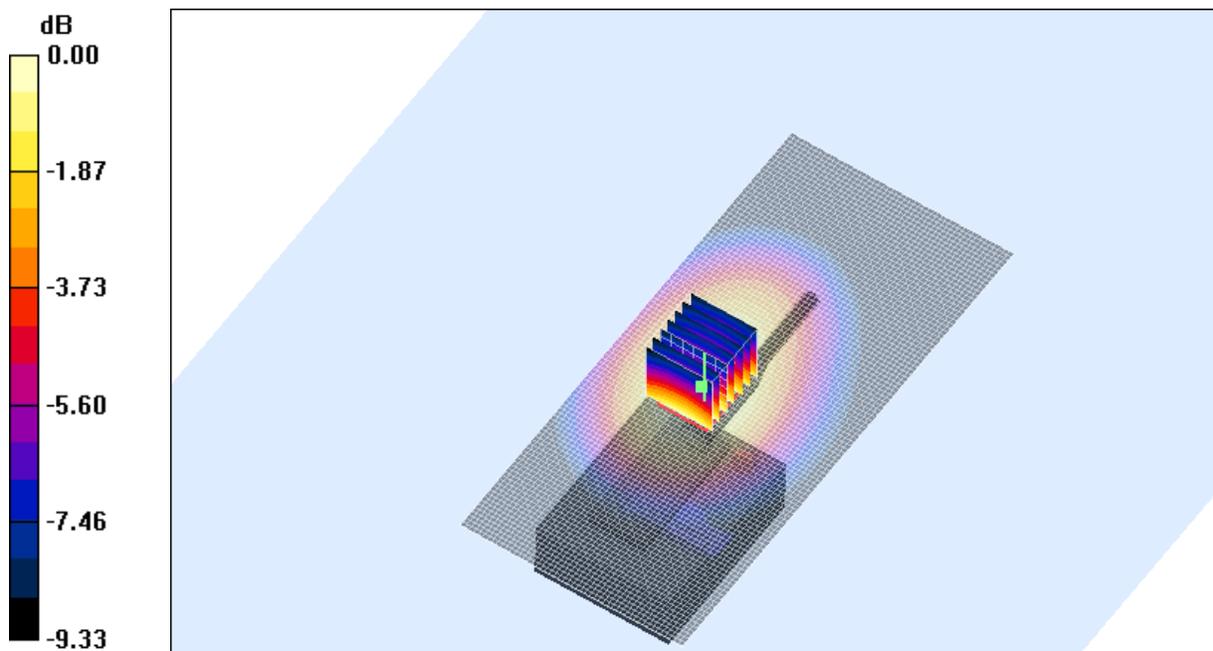
File Name: [TPA-AA-204 SPK MIC 810 MHz Belt Clip Antenna MINI \(DAE442 Probe1377\) 21-09-05.da4](#)

DUT: Tait 810 MHz Handheld Transceiver; Type: TPA-AA-204, Antenna TPA-AN-021; Serial: **Not Specified**

- * Communication System: CW 810 MHz; Frequency: 825 MHz; Duty Cycle: 1:1
- * Medium parameters used: $\sigma = 1.00831$ mho/m, $\epsilon_r = 53.466$; $\rho = 1000$ 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 (51x111x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 6.34 mW/g

Channel 5 Test/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 48.1 V/m; Power Drift = -0.304 dB
Peak SAR (extrapolated) = 9.01 W/kg
SAR(1 g) = 5.79 mW/g; SAR(10 g) = 3.96 mW/g
Maximum value of SAR (measured) = 6.10 mW/g



0 dB = 6.10mW/g

SAR MEASUREMENT PLOT 28

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: 21 September 2005

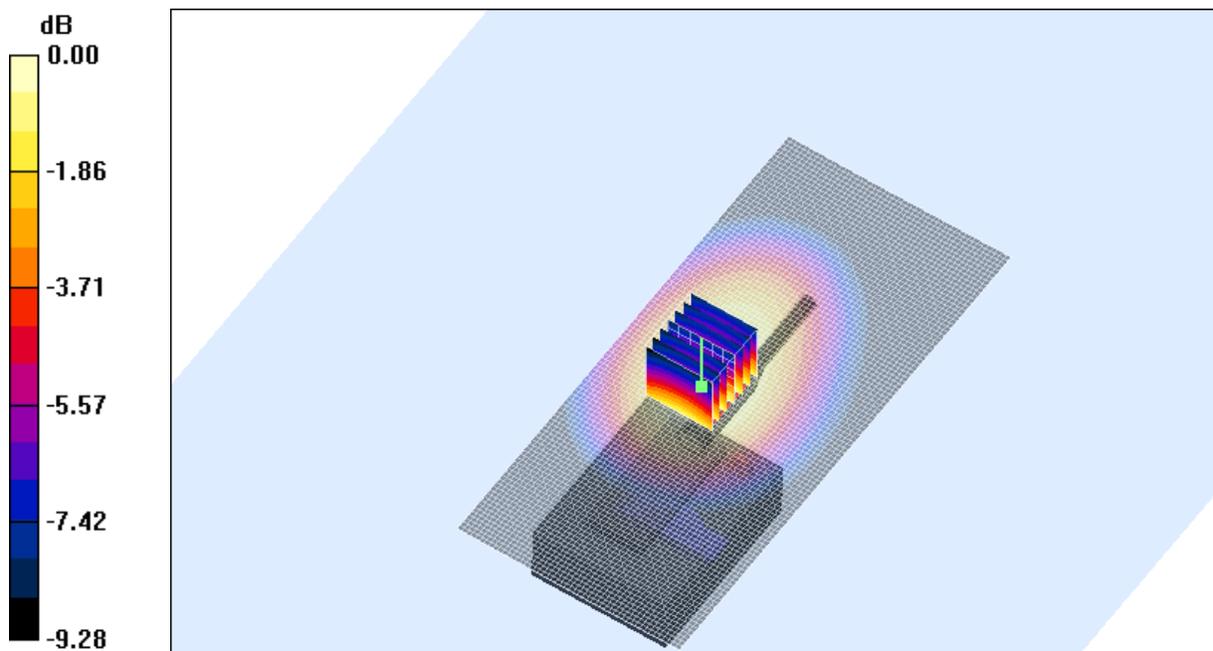
File Name: [TPA-AA-204 SPK MIC 810 MHz Belt Clip Antenna MINI \(DAE442 Probe1377\) 21-09-05.da4](#)

DUT: Tait 810 MHz Handheld Transceiver; Type: TPA-AA-204, Antenna TPA-AN-021; Serial: **Not Specified**

- * 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 (51x111x1): Measurement grid: dx=20mm, dy=20mm
 Maximum value of SAR (interpolated) = 9.87 mW/g

Channel 7 Test/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
 Reference Value = 65.0 V/m; Power Drift = -0.261 dB
 Peak SAR (extrapolated) = 13.6 W/kg
SAR(1 g) = 8.93 mW/g; SAR(10 g) = 6.21 mW/g
 Maximum value of SAR (measured) = 9.37 mW/g



0 dB = 9.37mW/g

SAR MEASUREMENT PLOT 29

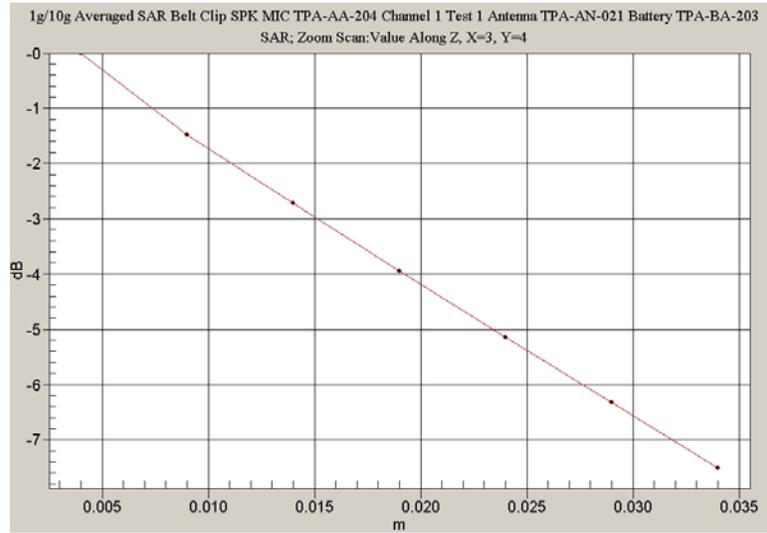
Ambient Temperature
 Liquid Temperature
 Humidity

19.7 Degrees Celsius
 19.5 Degrees Celsius
 44.0 %

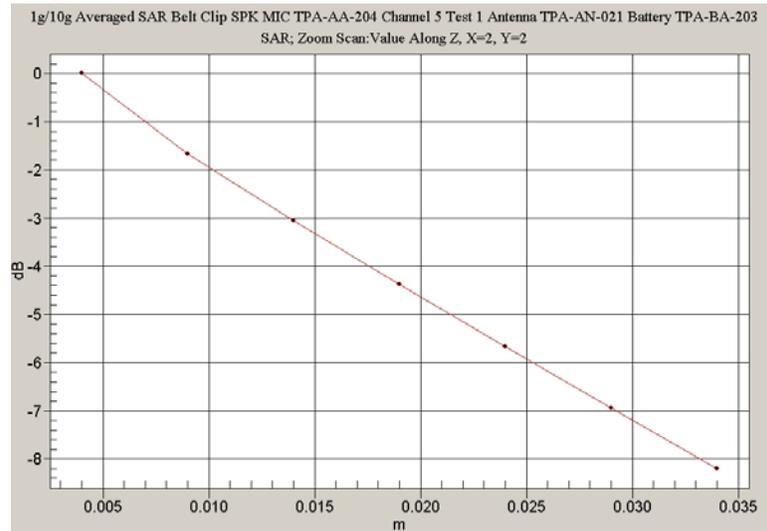


This document shall not be copied or reproduced, except in full without the written permission of the Technical Director, EMC Technologies Pty. Ltd.

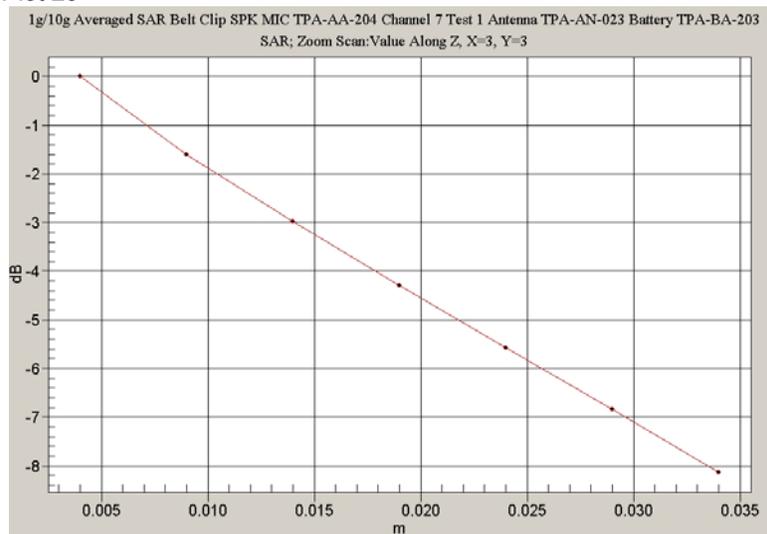
Z-Axis scan for Plot 27



Z-axis scan for Plot 28



Z-axis scan for Plot 29



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

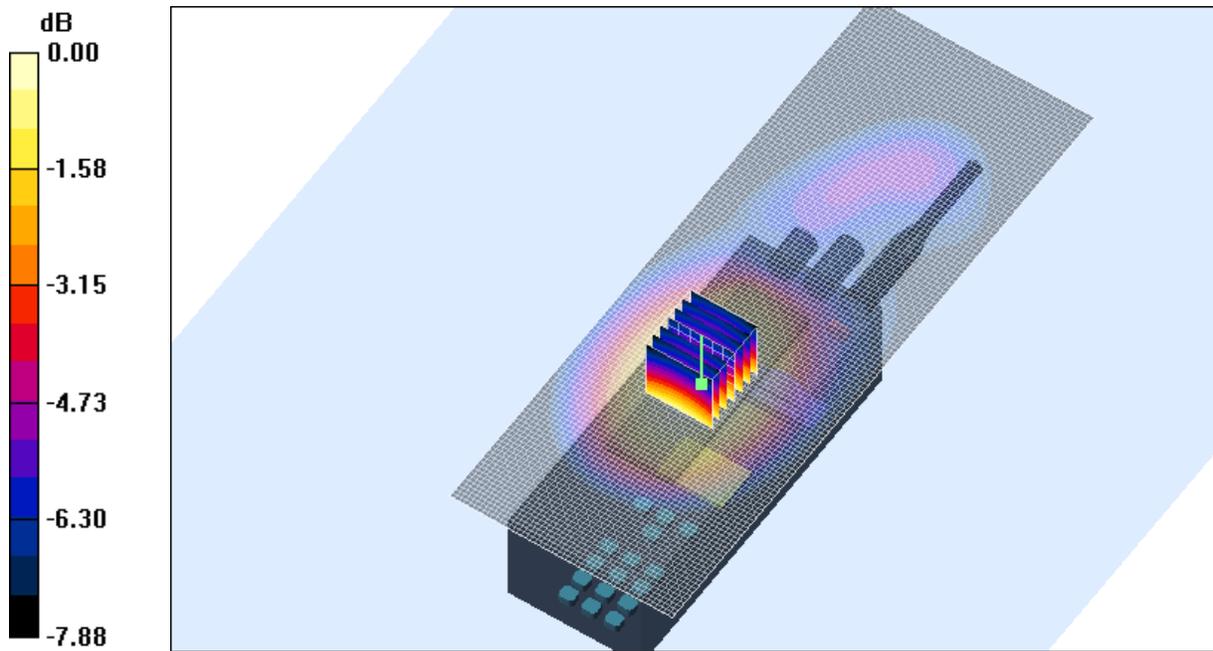
File Name: [TPAB11-K500A Ni-MH Battery \(TPA-BA-203\) 810 MHz Belt Clip Antenna MINI \(DAE442 Probe1377\) 22-09-05.da4](#)

DUT: Tait 810 MHz Handheld Transceiver; Type: TPAB11-K500A, Antenna TPA-AN-021; Serial: 21001670

- * 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 (51x141x1): Measurement grid: dx=20mm, dy=20mm
 Maximum value of SAR (interpolated) = 5.83 mW/g

Channel 1 Test/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
 Reference Value = 36.5 V/m; Power Drift = -0.242 dB
 Peak SAR (extrapolated) = 7.65 W/kg
SAR(1 g) = 5.42 mW/g; SAR(10 g) = 3.96 mW/g
 Maximum value of SAR (measured) = 5.66 mW/g



0 dB = 5.66mW/g

SAR MEASUREMENT PLOT 30

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

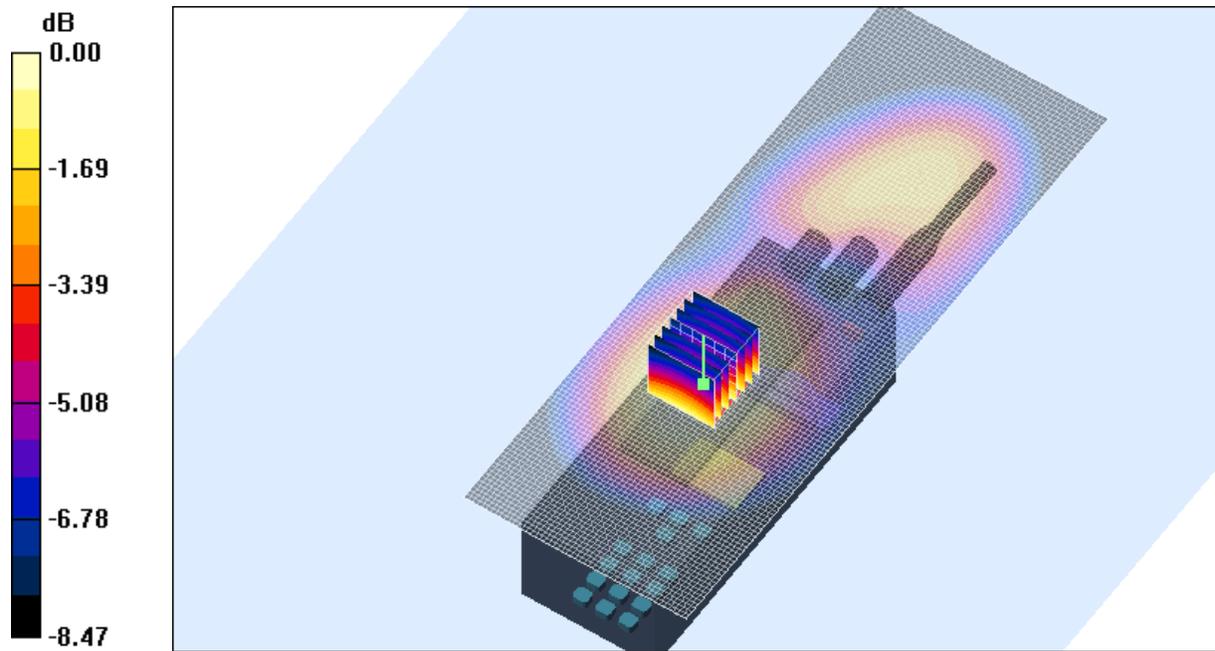
File Name: [TPAB11-K500A Ni-MH Battery \(TPA-BA-203\) 810 MHz Belt Clip Antenna MINI \(DAE442 Probe1377\) 22-09-05.da4](#)

DUT: Tait 810 MHz Handheld Transceiver; Type: TPAB11-K500A, Antenna TPA-AN-021; Serial: 21001670

- * 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 (51x141x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 3.65 mW/g

Channel 5 Test/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 40.7 V/m; Power Drift = -0.193 dB
Peak SAR (extrapolated) = 4.81 W/kg
SAR(1 g) = 3.36 mW/g; SAR(10 g) = 2.43 mW/g
Maximum value of SAR (measured) = 3.53 mW/g



0 dB = 3.53mW/g

SAR MEASUREMENT PLOT 31

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

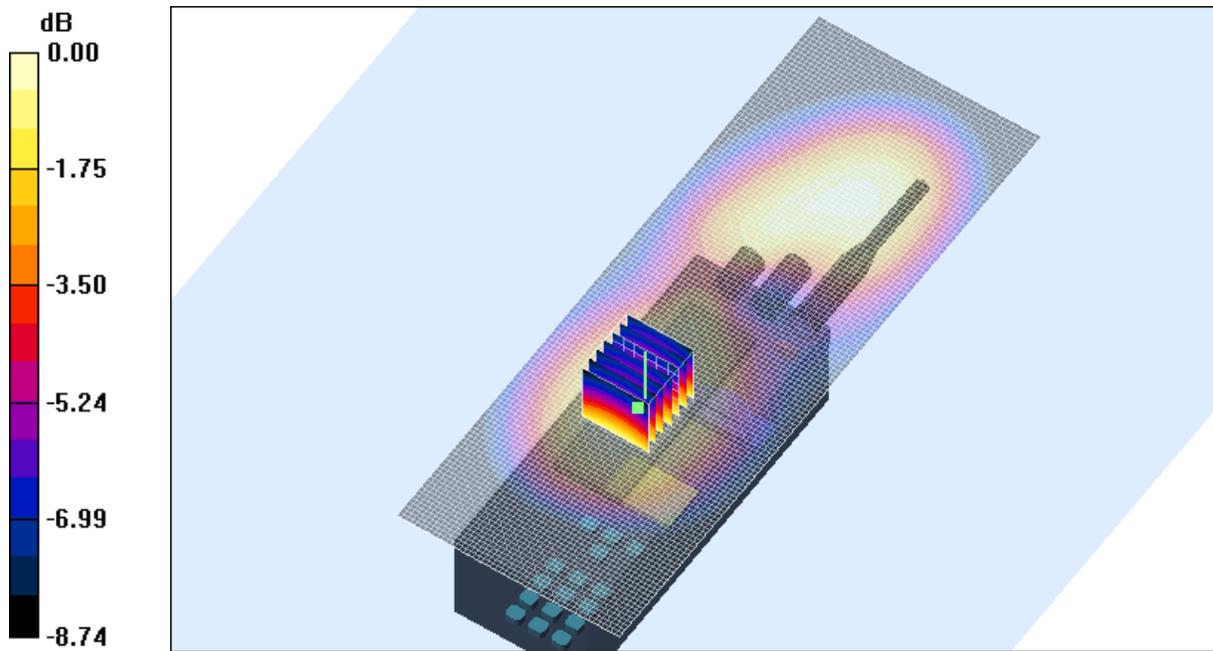
File Name: [TPAB11-K500A Ni-MH Battery \(TPA-BA-203\) 810 MHz Belt Clip Antenna MINI \(DAE442 Probe1377\) 22-09-05.da4](#)

DUT: Tait 810 MHz Handheld Transceiver; Type: TPAB11-K500A, Antenna TPA-AN-021; Serial: 21001670

- * 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) = 3.08 mW/g

Channel 7 Test/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
 Reference Value = 40.8 V/m; Power Drift = 0.167 dB
 Peak SAR (extrapolated) = 4.10 W/kg
SAR(1 g) = 2.84 mW/g; SAR(10 g) = 2.03 mW/g
 Maximum value of SAR (measured) = 2.97 mW/g



0 dB = 2.97mW/g

SAR MEASUREMENT PLOT 32

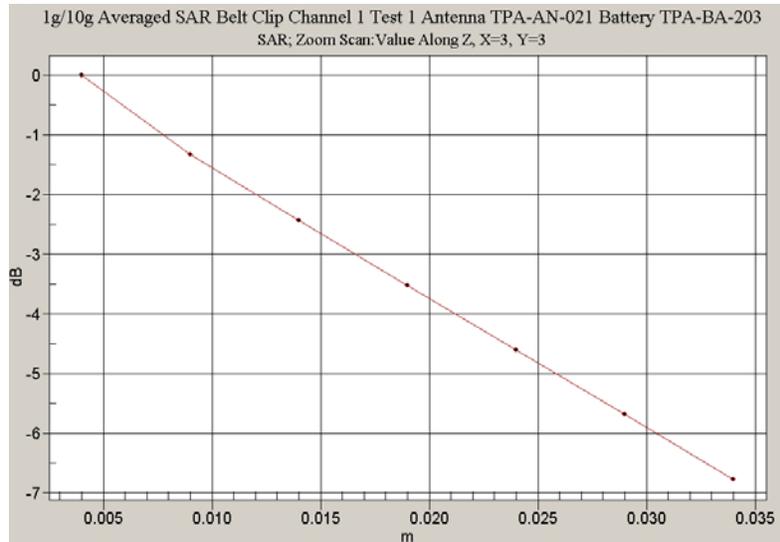
Ambient Temperature
 Liquid Temperature
 Humidity

19.8 Degrees Celsius
 19.4 Degrees Celsius
 52.0 %

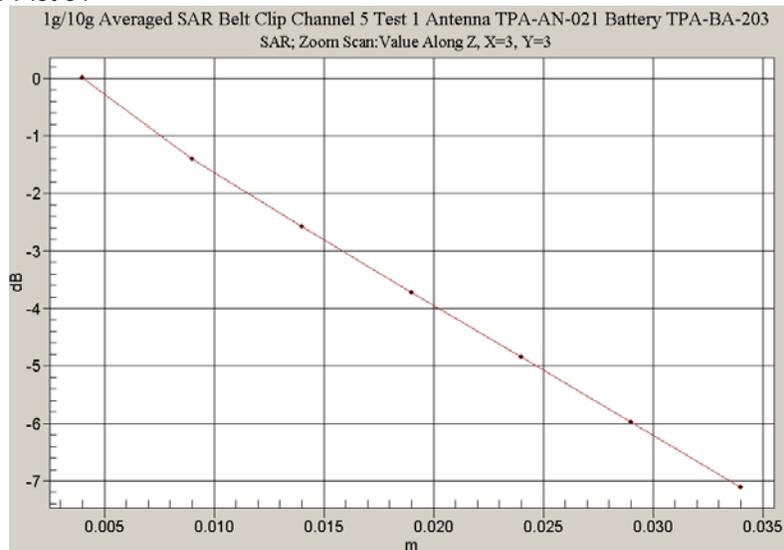


This document shall not be copied or reproduced, except in full without the written permission of the Technical Director, EMC Technologies Pty. Ltd.

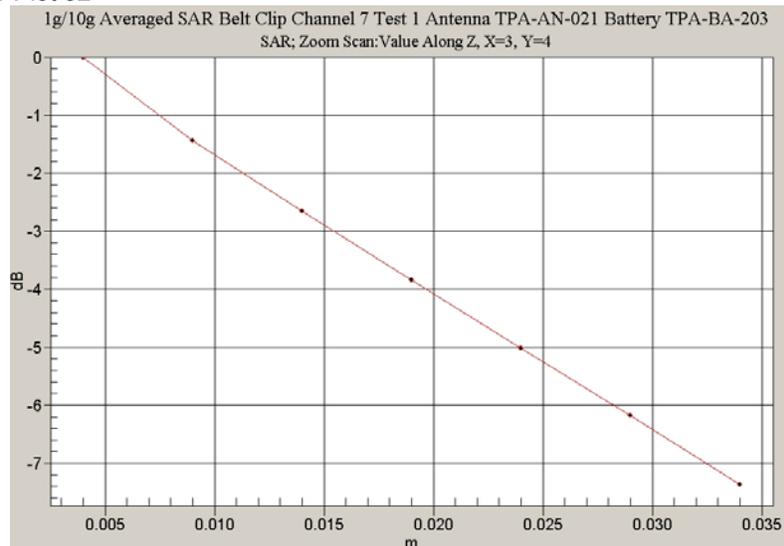
Z-Axis scan for Plot 30



Z-Axis scan for Plot 31



Z-Axis scan for Plot 32



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