

Test Date: 26 August 2007

File Name: 435 MHz Belt Clip (DAE442 Probe1380) 26-08-07.da4

DUT: Tait Handheld Transceiver; Type: TPC5A; Serial: 25001121

\* Communication System: CW 435 MHz; Frequency: 470 MHz; Duty Cycle: 1;1

\* Medium parameters used:  $\sigma = 0.95229$  mho/m,  $\epsilon_r = 54.6283$ ;  $\rho = 1000$  kg/m<sup>3</sup>

- Electronics: DAE3 Sn442; Probe: ET3DV6 - SN1380; ConvF(7.57, 7.57, 7.57)

- Phantom: Flat Phantom 9.1; Serial: P 9.1; Phantom section: Flat 2.2 Section

**Channel 3 Test/Area Scan (61x181x1):** Measurement grid: dx=20mm, dy=20mm  
Maximum value of SAR (interpolated) = 7.37 mW/g

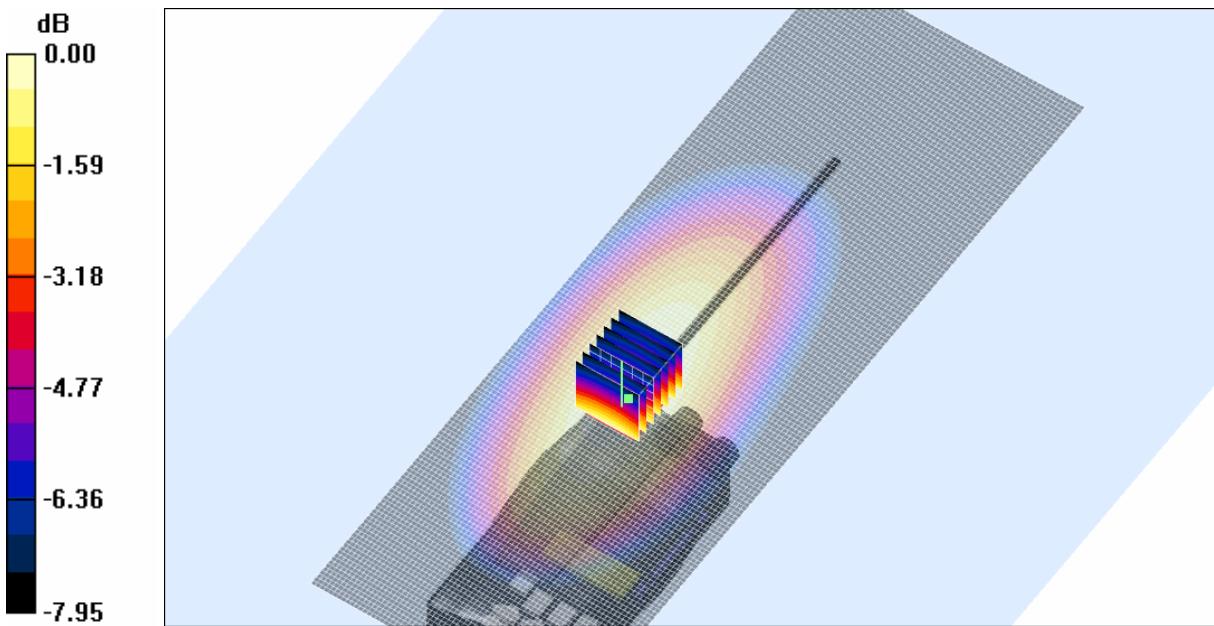
**Channel 3 Test/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 63.7 V/m; Power Drift = 0.305 dB

Peak SAR (extrapolated) = 9.63 W/kg

**SAR(1 g) = 6.78 mW/g; SAR(10 g) = 4.88 mW/g**

Maximum value of SAR (measured) = 7.12 mW/g



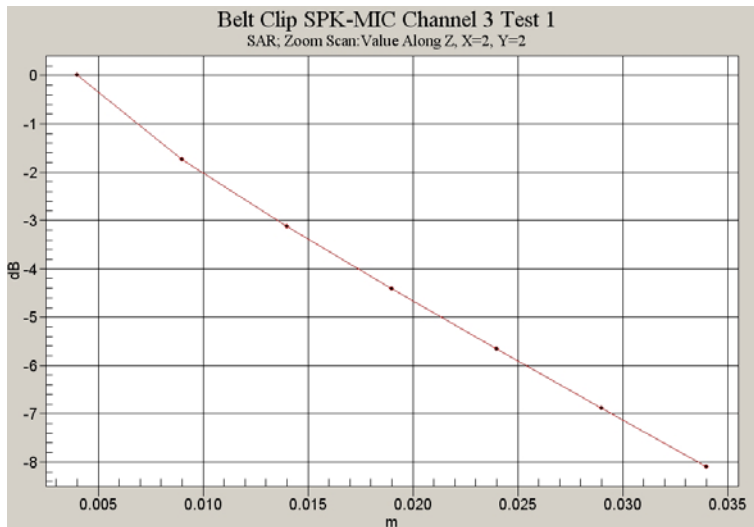
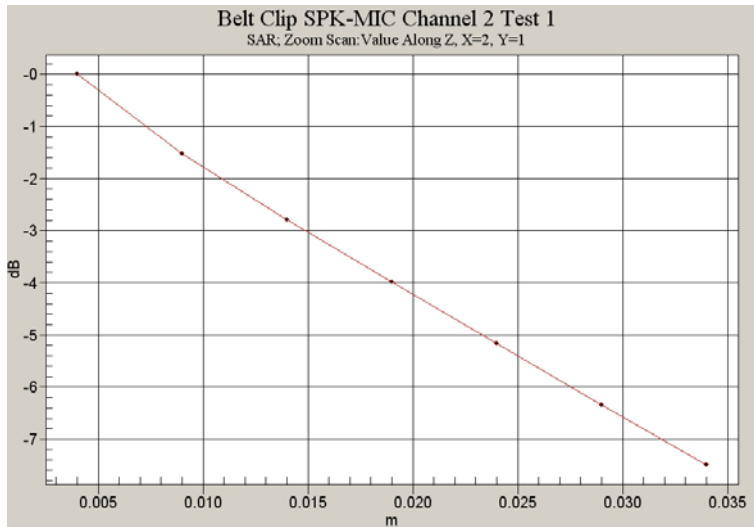
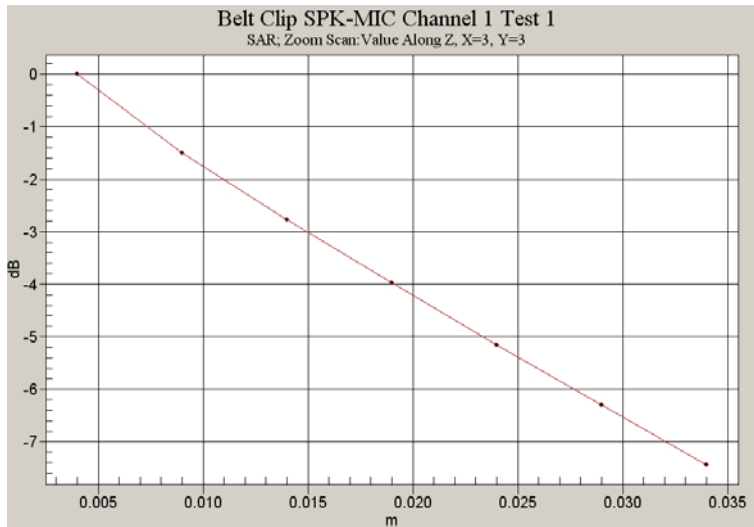
0 dB = 7.12mW/g

**SAR MEASUREMENT PLOT 10**

Ambient Temperature  
Liquid Temperature  
Humidity

20.4 Degrees Celsius  
20.0 Degrees Celsius  
51.0 %





Test Date: 26 August 2007

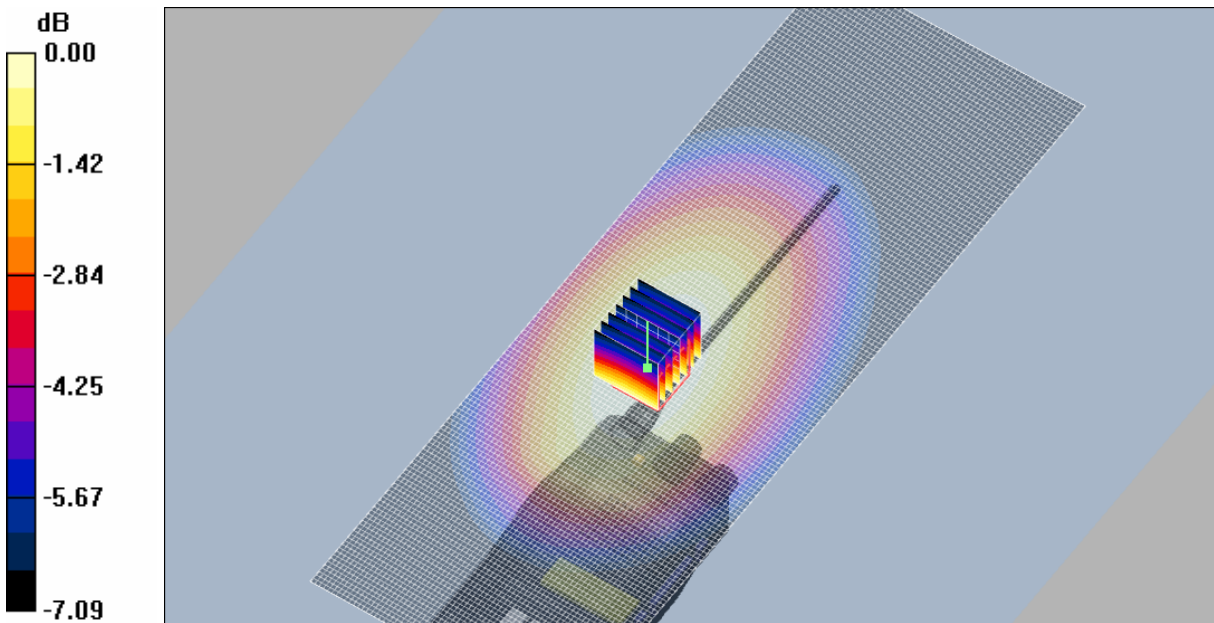
File Name: 435 MHz Pouch Polyester (DAE442 Probe1380) 26-08-07.da4

DUT: **Tait Handheld Transceiver; Type: TPC5A; Serial: 25001121**

- \* Communication System: CW 435 MHz; Frequency: 435 MHz; Duty Cycle: 1:1
- \* Medium parameters used:  $\sigma = 0.919155$  mho/m,  $\epsilon_r = 55.2785$ ;  $\rho = 1000$  kg/m<sup>3</sup>
- Electronics: DAE3 Sn442; Probe: ET3DV6 - SN1380; ConvF(7.57, 7.57, 7.57)
- Phantom: Flat Phantom 9.1; Serial: P 9.1; Phantom section: Flat 2.2 Section

**Channel 2 Test/Area Scan (61x181x1):** Measurement grid: dx=20mm, dy=20mm  
 Maximum value of SAR (interpolated) = 2.34 mW/g

**Channel 2 Test/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm  
 Reference Value = 41.3 V/m; Power Drift = 0.020 dB  
 Peak SAR (extrapolated) = 2.86 W/kg  
**SAR(1 g) = 2.11 mW/g; SAR(10 g) = 1.6 mW/g**  
 Maximum value of SAR (measured) = 2.21 mW/g



0 dB = 2.21mW/g

**SAR MEASUREMENT PLOT 11**

Ambient Temperature  
 Liquid Temperature  
 Humidity

20.4 Degrees Celsius  
 20.0 Degrees Celsius  
 51.0 %



Test Date: 26 August 2007

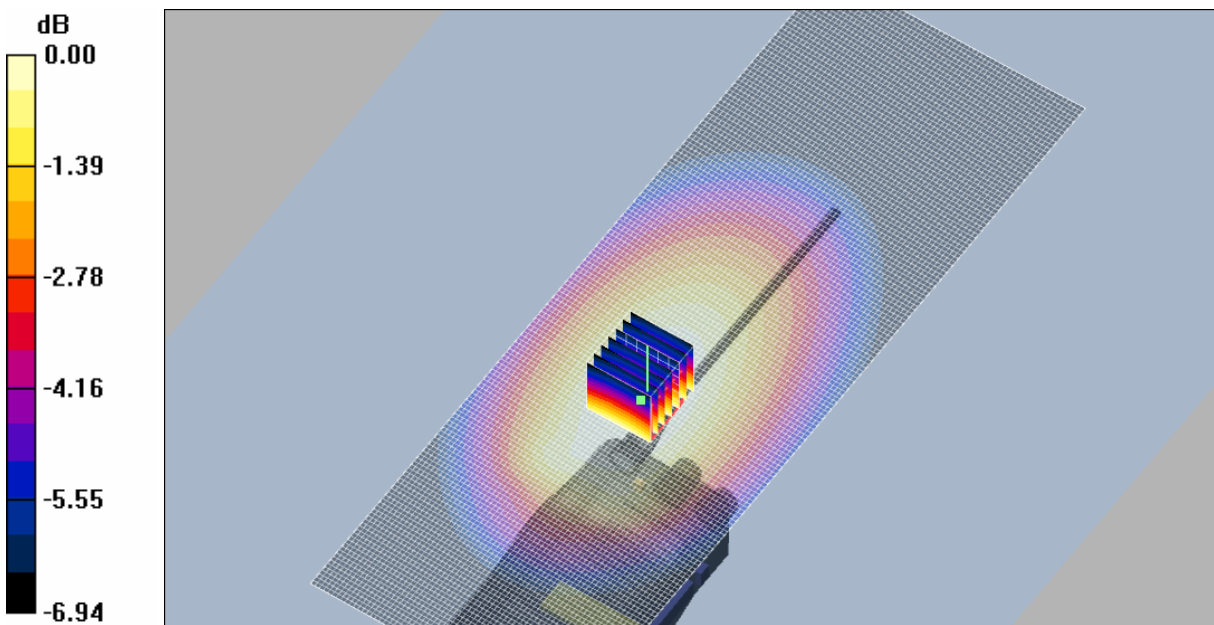
File Name: 435 MHz Pouch Leather Hard (DAE442 Probe1380) 26-08-07.da4

DUT: Tait Handheld Transceiver; Type: TPC5A; Serial: 25001121

- \* Communication System: CW 435 MHz; Frequency: 435 MHz; Duty Cycle: 1:1
- \* Medium parameters used:  $\sigma = 0.919155$  mho/m,  $\epsilon_r = 55.2785$ ;  $\rho = 1000$  kg/m<sup>3</sup>
- Electronics: DAE3 Sn442; Probe: ET3DV6 - SN1380; ConvF(7.57, 7.57, 7.57)
- Phantom: Flat Phantom 9.1; Serial: P 9.1; Phantom section: Flat 2.2 Section

**Channel 2 Test/Area Scan (61x181x1):** Measurement grid: dx=20mm, dy=20mm  
 Maximum value of SAR (interpolated) = 1.56 mW/g

**Channel 2 Test/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm  
 Reference Value = 30.7 V/m; Power Drift = -0.454 dB  
 Peak SAR (extrapolated) = 1.89 W/kg  
**SAR(1 g) = 1.42 mW/g; SAR(10 g) = 1.08 mW/g**  
 Maximum value of SAR (measured) = 1.48 mW/g



0 dB = 1.48mW/g

**SAR MEASUREMENT PLOT 12**

Ambient Temperature  
 Liquid Temperature  
 Humidity

20.4 Degrees Celsius  
 20.0 Degrees Celsius  
 51.0 %



Test Date: 26 August 2007

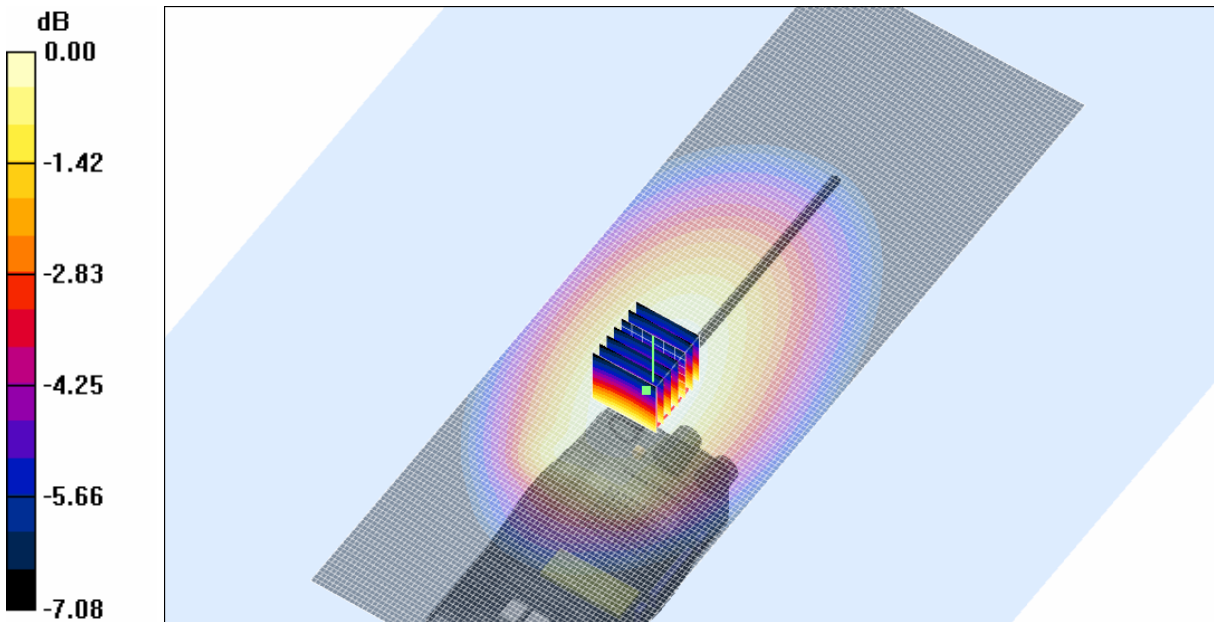
File Name: 435 MHz Pouch Leather Soft (DAE442 Probe1380) 26-08-07.da4

DUT: **Tait Handheld Transceiver; Type: TPC5A; Serial: 2500121**

- \* Communication System: CW 435 MHz; Frequency: 435 MHz; Duty Cycle: 1:1
- \* Medium parameters used:  $\sigma = 0.919155$  mho/m,  $\epsilon_r = 55.2785$ ;  $\rho = 1000$  kg/m<sup>3</sup>
- Electronics: DAE3 Sn442; Probe: ET3DV6 - SN1380; ConvF(7.57, 7.57, 7.57)
- Phantom: Flat Phantom 9.1; Serial: P 9.1; Phantom section: Flat 2.2 Section

**Channel 2 Test/Area Scan (61x181x1):** Measurement grid: dx=20mm, dy=20mm  
 Maximum value of SAR (interpolated) = 2.29 mW/g

**Channel 2 Test/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm  
 Reference Value = 37.9 V/m; Power Drift = 0.035 dB  
 Peak SAR (extrapolated) = 2.78 W/kg  
**SAR(1 g) = 2.05 mW/g; SAR(10 g) = 1.55 mW/g**  
 Maximum value of SAR (measured) = 2.16 mW/g



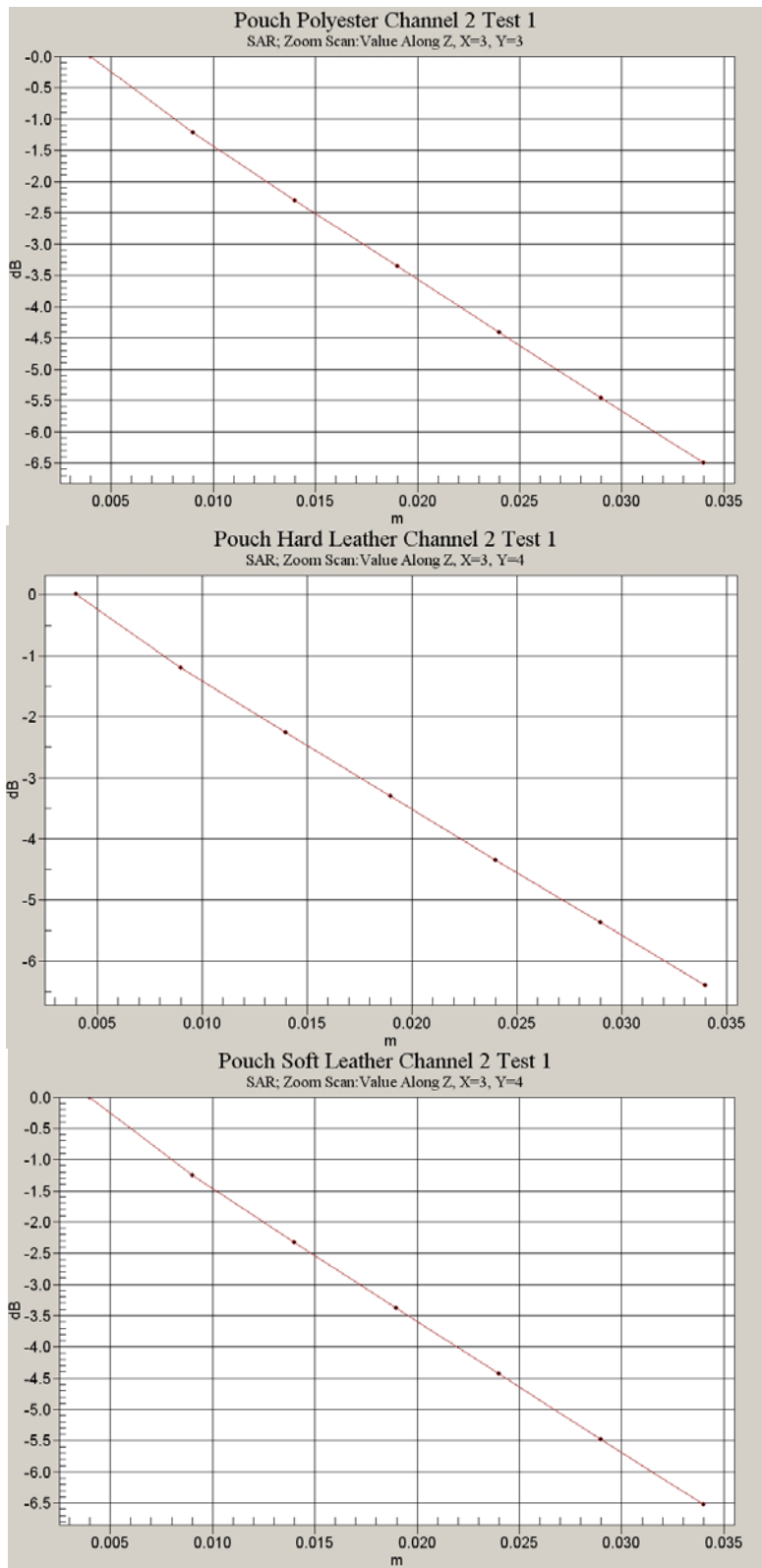
0 dB = 2.16mW/g

**SAR MEASUREMENT PLOT 13**

Ambient Temperature  
 Liquid Temperature  
 Humidity

**20.4 Degrees Celsius**  
**20.0 Degrees Celsius**  
**51.0 %**





Test Date: 26 August 2007

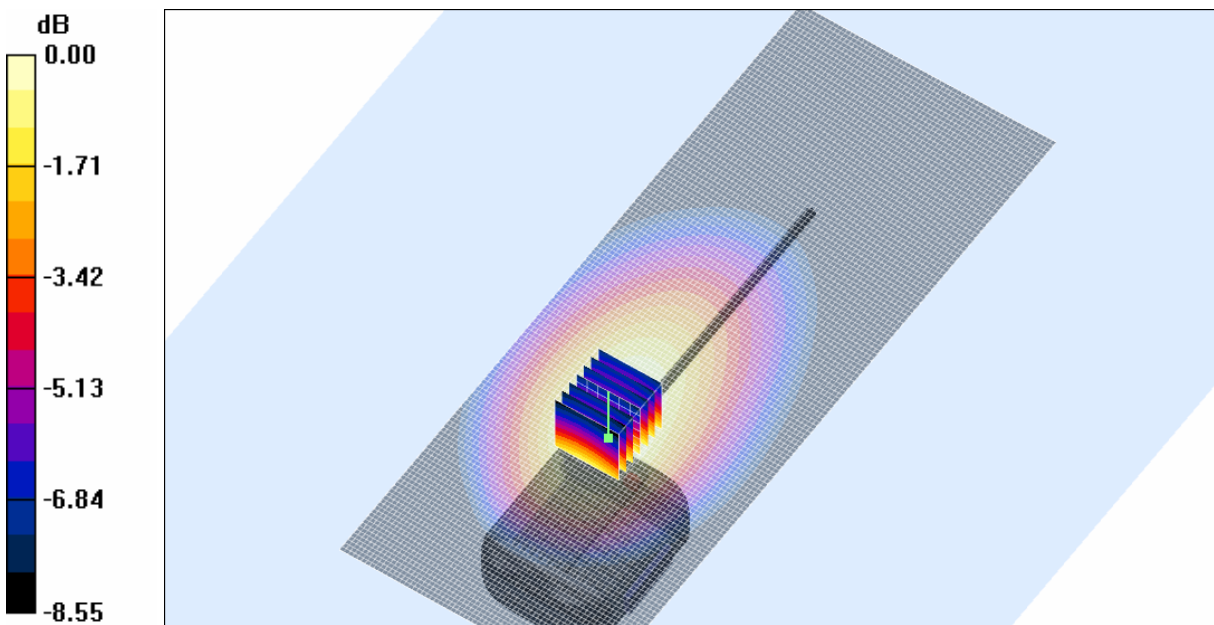
File Name: 435 MHz Body Worn SPK-MIC (DAE442 Probe1380) 26-08-07.da4

DUT: Tait SPK/MIC Transceiver; Type: TPA-AA-204; Serial: 0546

- \* Communication System: CW 435 MHz; Frequency: 400 MHz; Duty Cycle: 1:1
- \* Medium parameters used:  $\sigma = 0.890754$  mho/m,  $\epsilon_r = 55.9533$ ;  $\rho = 1000$  kg/m<sup>3</sup>
- Electronics: DAE3 Sn442; Probe: ET3DV6 - SN1380; ConvF(7.57, 7.57, 7.57)
- Phantom: Flat Phantom 9.1; Serial: P 9.1; Phantom section: Flat 2.2 Section

**Channel 1 Test/Area Scan (61x161x1):** Measurement grid: dx=20mm, dy=20mm  
Maximum value of SAR (interpolated) = 5.70 mW/g

**Channel 1 Test/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm  
Reference Value = 39.5 V/m; Power Drift = -0.380 dB  
Peak SAR (extrapolated) = 7.70 W/kg  
**SAR(1 g) = 5.09 mW/g; SAR(10 g) = 3.6 mW/g**  
Maximum value of SAR (measured) = 5.39 mW/g



0 dB = 5.39mW/g

**SAR MEASUREMENT PLOT 14**

Ambient Temperature  
Liquid Temperature  
Humidity

20.4 Degrees Celsius  
20.0 Degrees Celsius  
51.0 %



Test Date: 26 August 2007

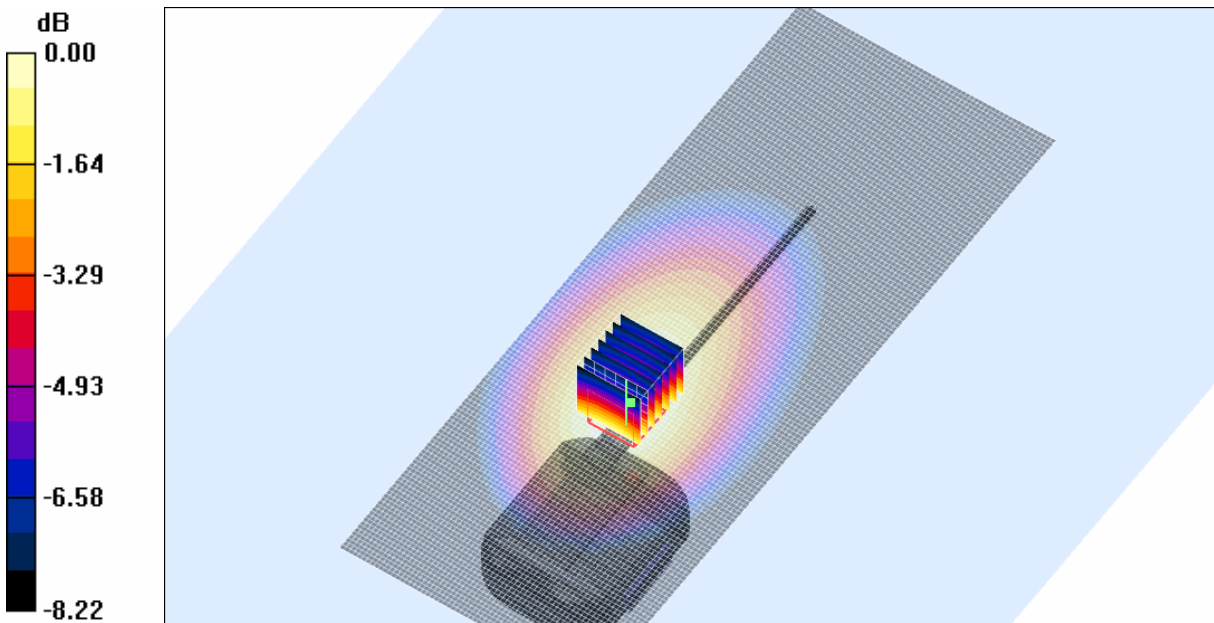
File Name: 435 MHz Body Worn SPK-MIC (DAE442 Probe1380) 26-08-07.da4

DUT: Tait SPK/MIC Transceiver; Type: TPA-AA-204; Serial: 0546

- \* Communication System: CW 435 MHz; Frequency: 435 MHz; Duty Cycle: 1:1
- \* Medium parameters used:  $\sigma = 0.919155$  mho/m,  $\epsilon_r = 55.2785$ ;  $\rho = 1000$  kg/m<sup>3</sup>
- Electronics: DAE3 Sn442; Probe: ET3DV6 - SN1380; ConvF(7.57, 7.57, 7.57)
- Phantom: Flat Phantom 9.1; Serial: P 9.1; Phantom section: Flat 2.2 Section

**Channel 2 Test/Area Scan (61x161x1):** Measurement grid: dx=20mm, dy=20mm  
 Maximum value of SAR (interpolated) = 4.43 mW/g

**Channel 2 Test/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm  
 Reference Value = 40.8 V/m; Power Drift = 0.157 dB  
 Peak SAR (extrapolated) = 5.79 W/kg  
**SAR(1 g) = 3.95 mW/g; SAR(10 g) = 2.82 mW/g**  
 Maximum value of SAR (measured) = 4.17 mW/g



0 dB = 4.17mW/g

**SAR MEASUREMENT PLOT 15**

Ambient Temperature  
 Liquid Temperature  
 Humidity

20.4 Degrees Celsius  
 20.0 Degrees Celsius  
 51.0 %





Test Date: 26 August 2007

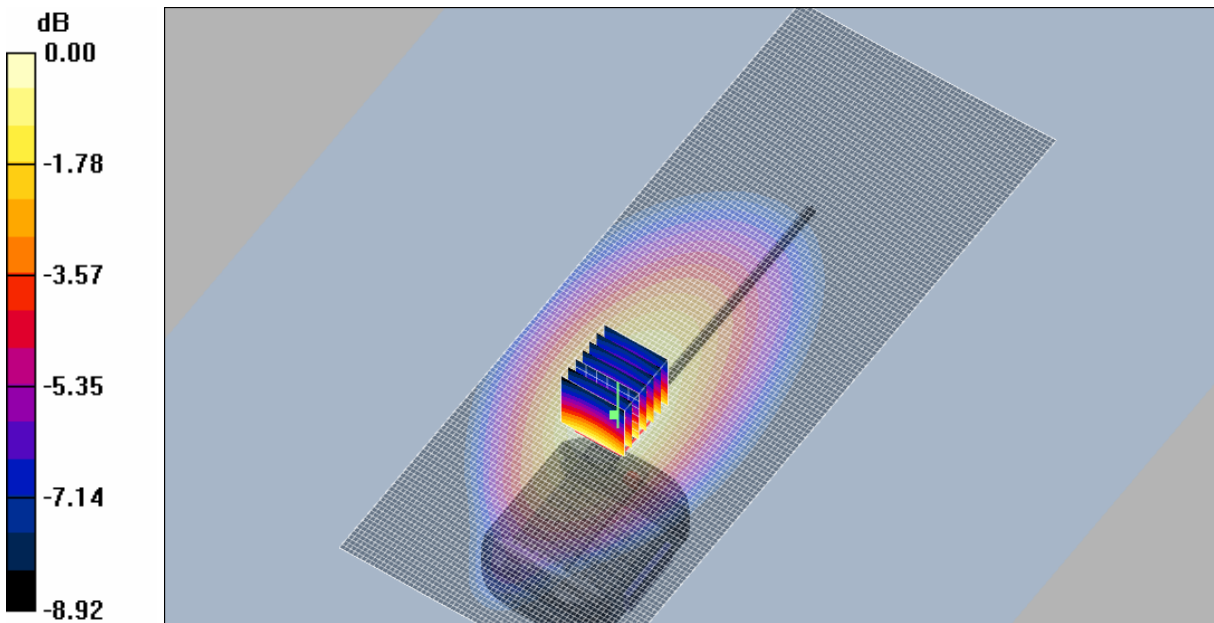
File Name: 435 MHz Body Worn SPK-MIC (DAE442 Probe1380) 26-08-07.da4

DUT: Tait SPK/MIC Transceiver; Type: TPA-AA-204; Serial: 0546

- \* Communication System: CW 435 MHz; Frequency: 470 MHz; Duty Cycle: 1:1
- \* Medium parameters used:  $\sigma = 0.95229$  mho/m,  $\epsilon_r = 54.6283$ ;  $\rho = 1000$  kg/m<sup>3</sup>
- Electronics: DAE3 Sn442; Probe: ET3DV6 - SN1380; ConvF(7.57, 7.57, 7.57)
- Phantom: Flat Phantom 9.1; Serial: P 9.1; Phantom section: Flat 2.2 Section

**Channel 3 Test/Area Scan (61x161x1):** Measurement grid: dx=20mm, dy=20mm  
 Maximum value of SAR (interpolated) = 4.33 mW/g

**Channel 3 Test/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm  
 Reference Value = 37.7 V/m; Power Drift = -0.070 dB  
 Peak SAR (extrapolated) = 6.64 W/kg  
**SAR(1 g) = 4.23 mW/g; SAR(10 g) = 2.89 mW/g**  
 Maximum value of SAR (measured) = 4.55 mW/g



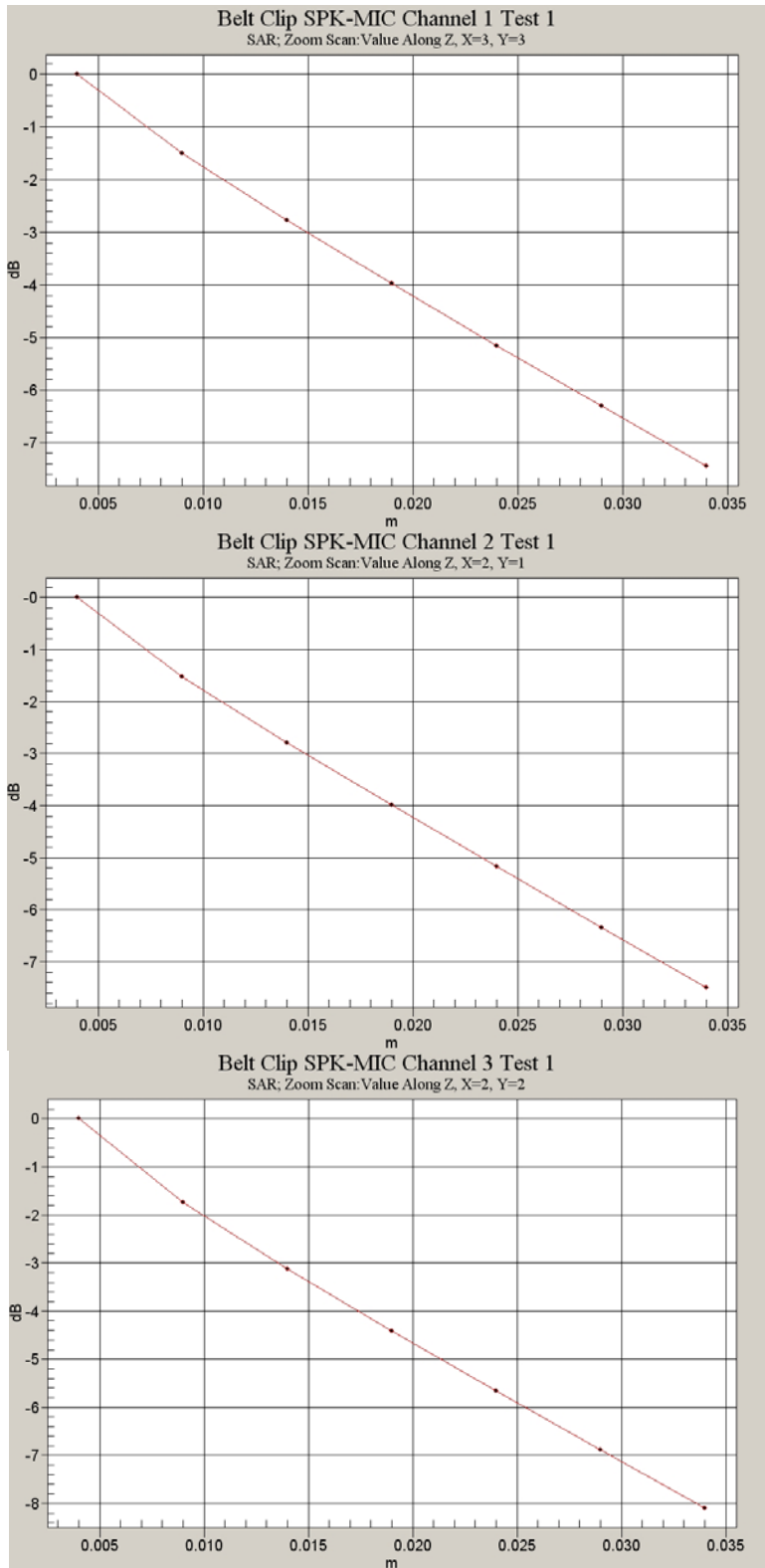
0 dB = 4.55mW/g

SAR MEASUREMENT PLOT 16

Ambient Temperature  
 Liquid Temperature  
 Humidity

20.4 Degrees Celsius  
 20.0 Degrees Celsius  
 51.0 %





Test Date: 26 August 2007

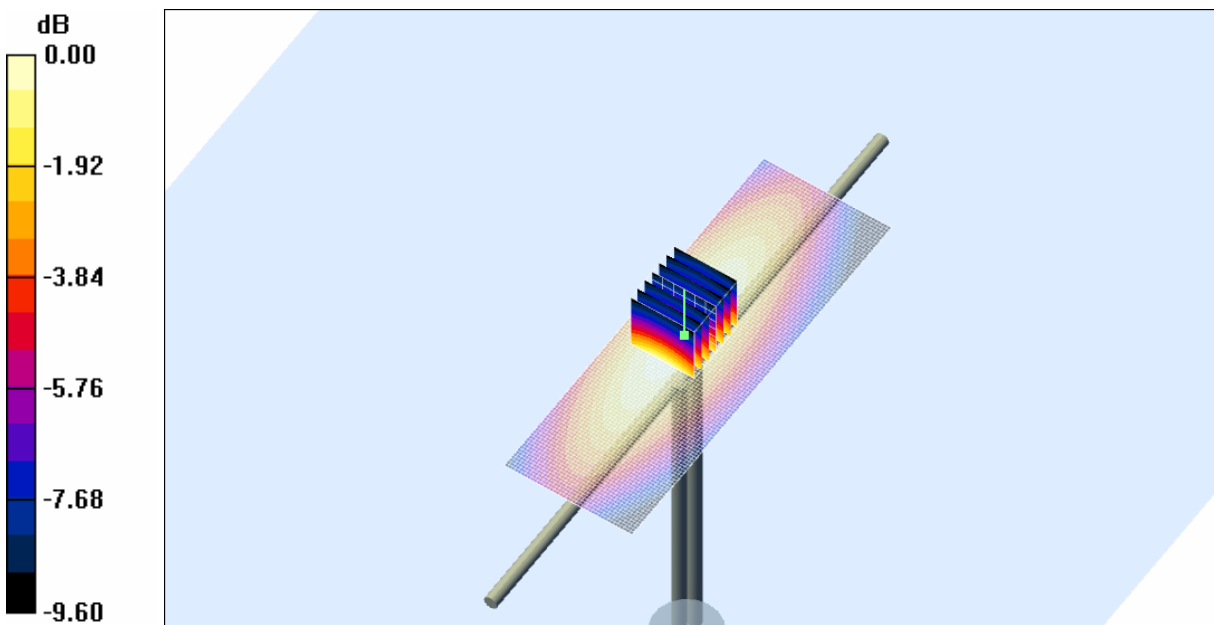
File Name: Validation 450 MHz Head (DAE442 Probe1380) 26-08-07.da4

DUT: **Dipole 450 MHz; Type: D450V2; Serial: 1009**

- \* Communication System: CW 450 MHz; Frequency: 450 MHz; Duty Cycle: 1:1
- \* Medium parameters used:  $\sigma = 0.879806$  mho/m,  $\epsilon_r = 43.136$ ;  $\rho = 1000$  kg/m<sup>3</sup>
- Electronics: DAE3 Sn442; Probe: ET3DV6 - SN1380; ConvF(7.04, 7.04, 7.04)
- Phantom: Flat Phantom 4.4; Serial: P 4.4; Phantom section: Flat Section

**Channel 1 Test/Area Scan (41x121x1):** Measurement grid: dx=15mm, dy=15mm  
Maximum value of SAR (interpolated) = 2.15 mW/g

**Channel 1 Test/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm  
Reference Value = 51.7 V/m; Power Drift = -0.108 dB  
Peak SAR (extrapolated) = 3.16 W/kg  
**SAR(1 g) = 2.03 mW/g; SAR(10 g) = 1.34 mW/g**  
Maximum value of SAR (measured) = 2.17 mW/g



**SAR MEASUREMENT PLOT 17**

Ambient Temperature  
Liquid Temperature  
Humidity

20.4 Degrees Celsius  
20.0 Degrees Celsius  
51.0 %



Test Date: 28 August 2007

File Name: Validation 450 MHz Head (DAE442 Probe1380) 28-08-07.da4

DUT: Dipole 450 MHz; Type: D450V2; Serial: 1009

- \* Communication System: CW 450 MHz; Frequency: 450 MHz; Duty Cycle: 1:1
- \* Medium parameters used:  $\sigma = 0.879806$  mho/m,  $\epsilon_r = 43.136$ ;  $\rho = 1000$  kg/m<sup>3</sup>
- Electronics: DAE3 Sn442; Probe: ET3DV6 - SN1380; ConvF(7.04, 7.04, 7.04)
- Phantom: Flat Phantom 4.4; Serial: P 4.4; Phantom section: Flat Section

**Channel 1 Test/Area Scan (41x121x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 2.15 mW/g

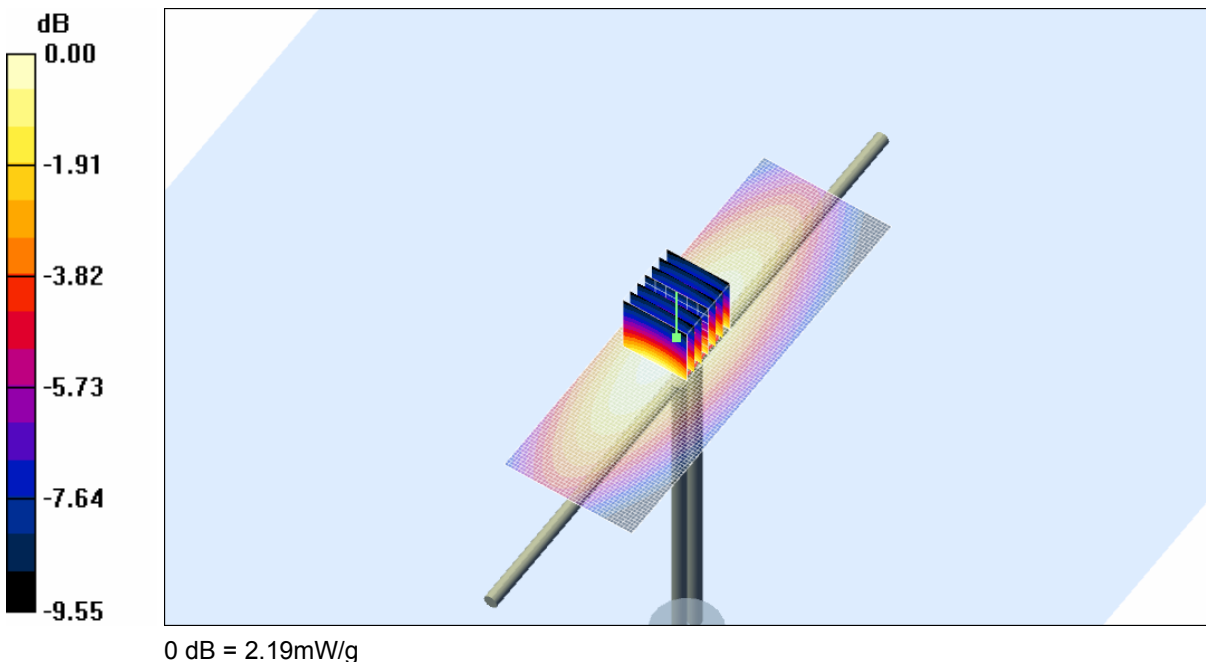
**Channel 1 Test/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 51.6 V/m; Power Drift = -0.082 dB

Peak SAR (extrapolated) = 3.24 W/kg

**SAR(1 g) = 2.05 mW/g; SAR(10 g) = 1.36 mW/g**

Maximum value of SAR (measured) = 2.19 mW/g



**SAR MEASUREMENT PLOT 18**

Ambient Temperature  
Liquid Temperature  
Humidity

21.6 Degrees Celsius  
21.2 Degrees Celsius  
53.0 %



