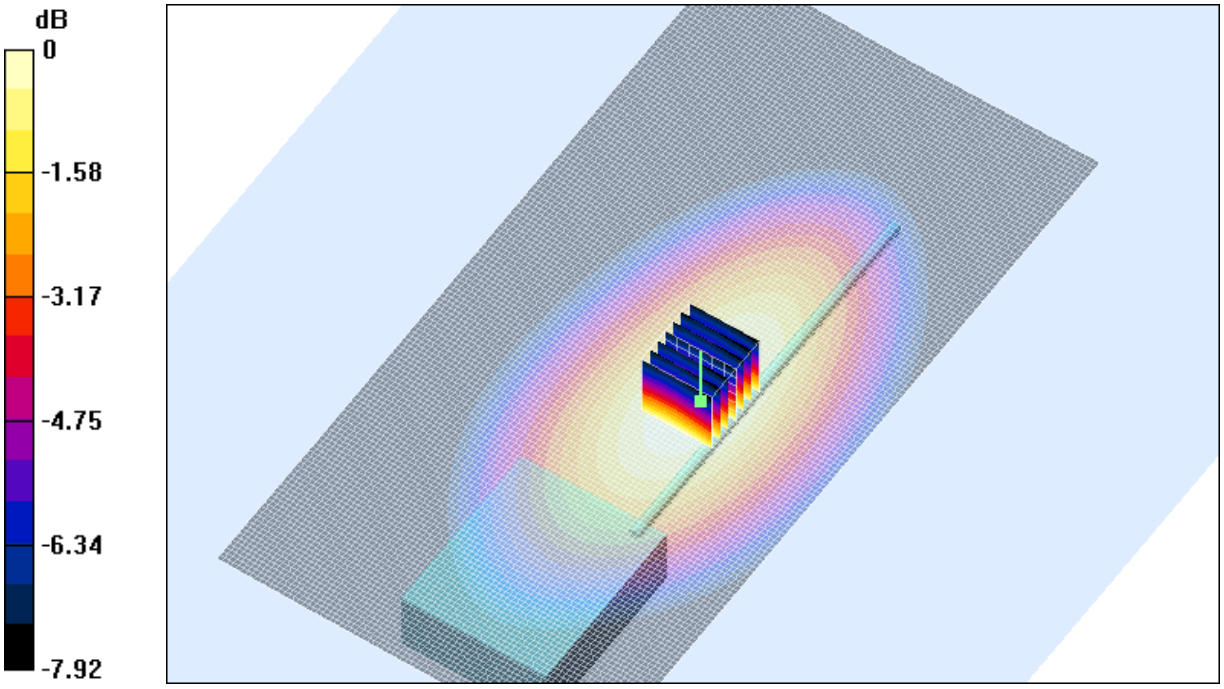
Test Date: 13 September 2004
File Name: 450 MHz Face SPK-MIC (DAE442 Probe1377) Ant Low 13-09-04.da4
DUT: Tait SPK-MIC Anttenna Low; Type: TPA-AA-204; Serial: Prototype

* Communication System: CW 450 MHz; Frequency: 400 MHz; Duty Cycle: 1:1
* Medium parameters used: σ = 0.845405; mho/m, ε_r = 44.7914; ρ = 1000 kg/m^3
- Electronics: DAE3 Sn442; Probe: ET3DV6 - SN1377; ConvF(7, 7, 7)
- Phantom: Flat Phantom 9.1; Serial: P 9.1; Phantom section: Flat 2.2 Section

Channel 1 Test/Area Scan (81x161x1): Measurement grid: dx=20mm, dy=20mm
Reference Value = 46.7 V/m; Power Drift = -0.1 dB
Maximum value of SAR (interpolated) = 3.83 mW/g

Channel 1 Test/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 46.7 V/m; Power Drift = -0.1 dB
Maximum value of SAR (measured) = 3.83 mW/g
Peak SAR (extrapolated) = 5.71 W/kg
SAR(1 g) = 3.68 mW/g; SAR(10 g) = 2.64 mW/g



0 dB = 3.83mW/g

SAR MEASUREMENT PLOT 25

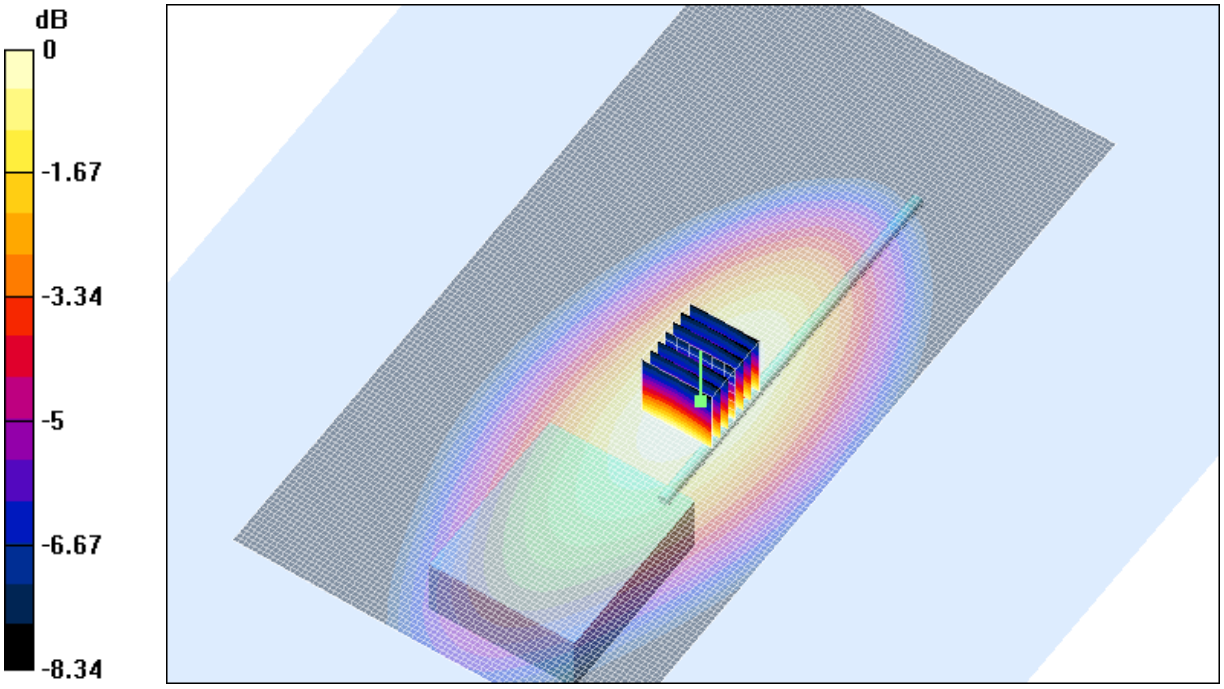
Ambient Temperature	**22.0 Degrees Celsius**
Liquid Temperature	**20.0 Degrees Celsius**
Humidity	**45.0 %**

Test Date: 11 September 2004
File Name: 450 MHz Face SPK-MIC (DAE442 Probe1377) Ant Middle 11-09-04.da4
DUT: Tait SPK-MIC Anttenna Middle; Type: TPA-AA-204; Serial: Prototype

* Communication System: CW 450 MHz; Frequency: 435 MHz; Duty Cycle: 1:1
* Medium parameters used: σ = 0.851909; mho/m, ε_r = 44.2865; ρ = 1000 kg/m^3
- Electronics: DAE3 Sn442; Probe: ET3DV6 - SN1377; ConvF(7, 7, 7)
- Phantom: Flat Phantom 9.1; Serial: P 9.1; Phantom section: Flat 2.2 Section

Channel 2 Test/Area Scan (81x161x1): Measurement grid: dx=20mm, dy=20mm
Reference Value = 39 V/m; Power Drift = -0.4 dB
Maximum value of SAR (interpolated) = 2.9 mW/g

Channel 2 Test/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 39 V/m; Power Drift = -0.4 dB
Maximum value of SAR (measured) = 2.86 mW/g
Peak SAR (extrapolated) = 4.3 W/kg
SAR(1 g) = 2.73 mW/g; SAR(10 g) = 1.94 mW/g



0 dB = 2.86mW/g

SAR MEASUREMENT PLOT 26

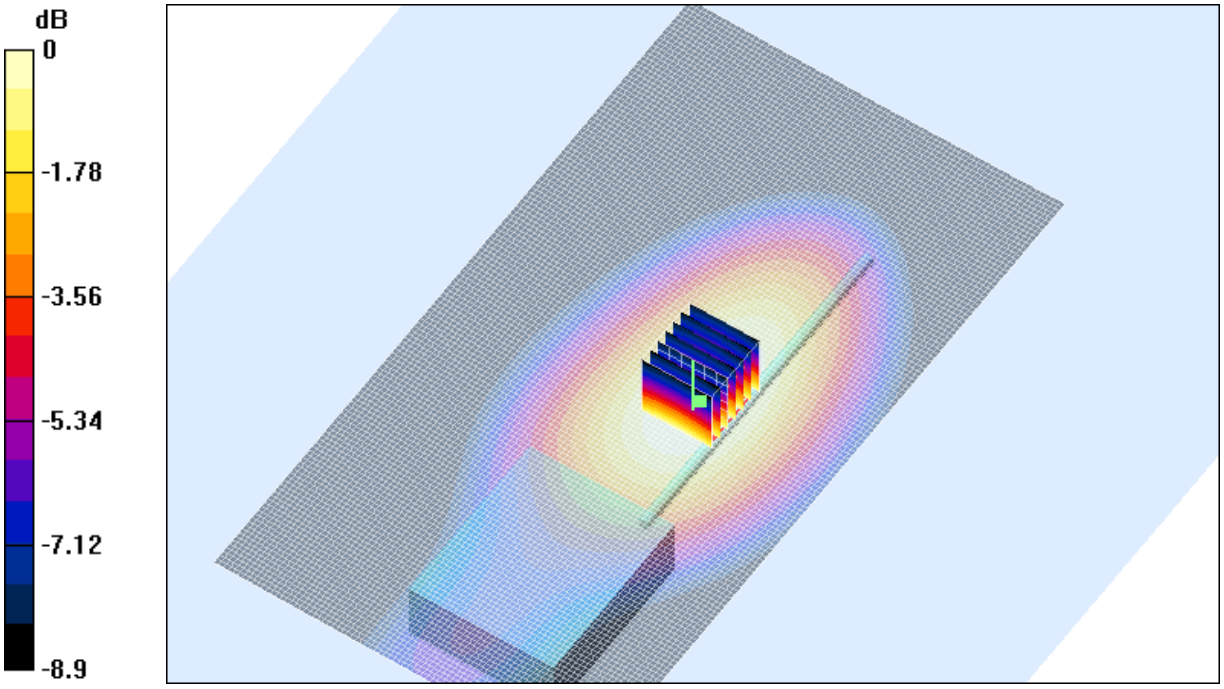
Ambient Temperature	**20.4 Degrees Celsius**
Liquid Temperature	**19.7 Degrees Celsius**
Humidity	**47.0 %**

Test Date: 11 September 2004
File Name: 450 MHz Face SPK-MIC (DAE442 Probe1377) Ant High 11-09-04.da4
DUT: Tait SPK-MIC Antenna High; Type: TPA-AA-204; Serial: Prototype

* Communication System: CW 450 MHz; Frequency: 470 MHz; Duty Cycle: 1:1
* Medium parameters used: σ = 0.883895; mho/m, ε_r = 43.5949; ρ = 1000 kg/m^3
- Electronics: DAE3 Sn442; Probe: ET3DV6 - SN1377; ConvF(7, 7, 7)
- Phantom: Flat Phantom 9.1; Serial: P 9.1; Phantom section: Flat 2.2 Section

Channel 3 Test/Area Scan (81x151x1): Measurement grid: dx=20mm, dy=20mm
Reference Value = 40 V/m; Power Drift = -0.2 dB
Maximum value of SAR (interpolated) = 2.97 mW/g

Channel 3 Test/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 40 V/m; Power Drift = -0.2 dB
Maximum value of SAR (measured) = 2.85 mW/g
Peak SAR (extrapolated) = 4.3 W/kg
SAR(1 g) = 2.72 mW/g; SAR(10 g) = 1.9 mW/g



0 dB = 2.85mW/g

SAR MEASUREMENT PLOT 27

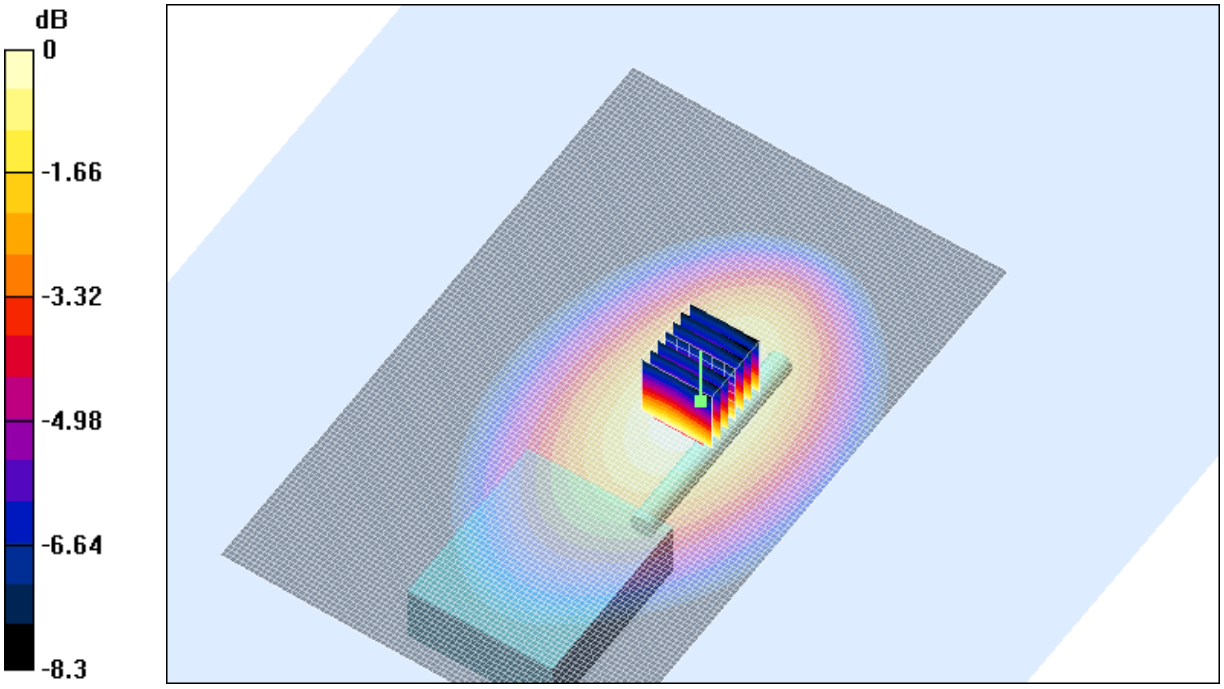
Ambient Temperature	**20.4 Degrees Celsius**
Liquid Temperature	**19.7 Degrees Celsius**
Humidity	**47.0 %**

Test Date: 13 September 2004
File Name: 450 MHz Face SPK-MIC (DAE442 Probe1377) Ant Mini Low 13-09-04.da4
DUT: Tait SPK-MIC Anttenna Mini Low; Type: TPA-AA-204; Serial: Prototype

* Communication System: CW 450 MHz; Frequency: 400 MHz; Duty Cycle: 1:1
* Medium parameters used: σ = 0.845405; mho/m, ε_r = 44.7914; ρ = 1000 kg/m^3
- Electronics: DAE3 Sn442; Probe: ET3DV6 - SN1377; ConvF(7, 7, 7)
- Phantom: Flat Phantom 9.1; Serial: P 9.1; Phantom section: Flat 2.2 Section

Channel 1 Test/Area Scan (81x131x1): Measurement grid: dx=20mm, dy=20mm
Reference Value = 64.1 V/m; Power Drift = -0.1 dB
Maximum value of SAR (interpolated) = 5.94 mW/g

Channel 1 Test/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 64.1 V/m; Power Drift = -0.1 dB
Maximum value of SAR (measured) = 6 mW/g
Peak SAR (extrapolated) = 8.94 W/kg
SAR(1 g) = 5.71 mW/g; SAR(10 g) = 4.06 mW/g



0 dB = 6mW/g

SAR MEASUREMENT PLOT 28

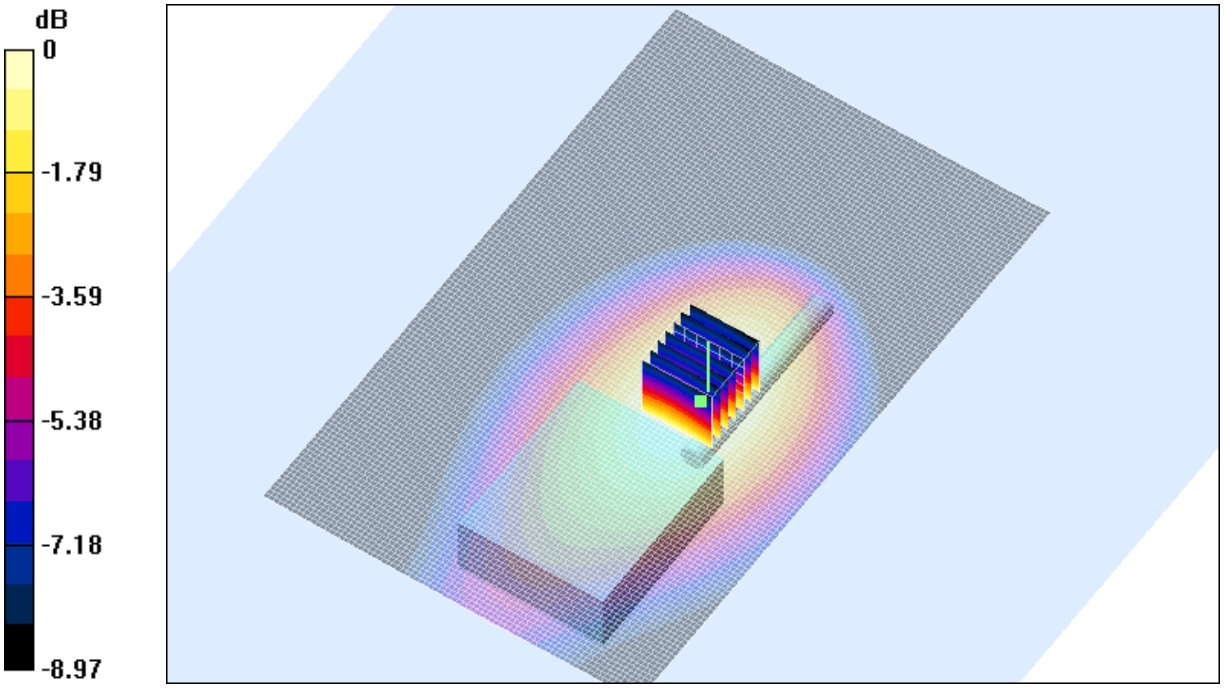
Ambient Temperature	**22.0 Degrees Celsius**
Liquid Temperature	**20.0 Degrees Celsius**
Humidity	**45.0 %**

Test Date: 13 September 2004
File Name: 450 MHz Face SPK-MIC (DAE442 Probe1377) Ant Mini Middle 13-09-04.da4
DUT: Tait SPK-MIC Anttenna Mini Middle; Type: TPA-AA-204; Serial: Prototype

* Communication System: CW 450 MHz; Frequency: 435 MHz; Duty Cycle: 1:1
* Medium parameters used: σ = 0.875526; mho/m, ε_r = 43.9883; ρ = 1000 kg/m^3
- Electronics: DAE3 Sn442; Probe: ET3DV6 - SN1377; ConvF(7, 7, 7)
- Phantom: Flat Phantom 9.1; Serial: P 9.1; Phantom section: Flat 2.2 Section

Channel 2 Test/Area Scan (81x131x1): Measurement grid: dx=20mm, dy=20mm
Reference Value = 43.5 V/m; Power Drift = -0.5 dB
Maximum value of SAR (interpolated) = 2.77 mW/g

Channel 2 Test/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 43.5 V/m; Power Drift = -0.5 dB
Maximum value of SAR (measured) = 2.59 mW/g
Peak SAR (extrapolated) = 3.93 W/kg
SAR(1 g) = 2.46 mW/g; SAR(10 g) = 1.72 mW/g



0 dB = 2.59mW/g

SAR MEASUREMENT PLOT 29

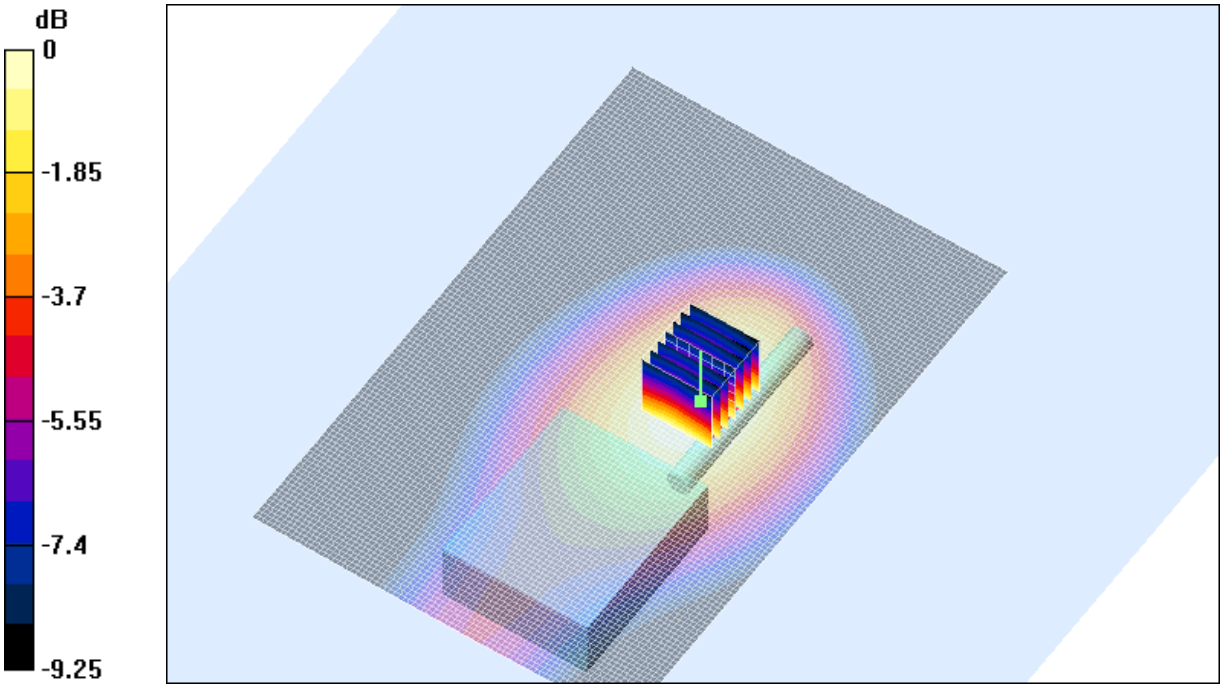
Ambient Temperature	**22.0 Degrees Celsius**
Liquid Temperature	**20.0 Degrees Celsius**
Humidity	**45.0 %**

Test Date: 11 September 2004
File Name: 450 MHz Face SPK-MIC (DAE442 Probe1377) Ant Mini High 11-09-04.da4
DUT: Tait SPK-MIC Antenna Mini High; Type: TPA-AA-204; Serial: Prototype

* Communication System: CW 450 MHz; Frequency: 470 MHz; Duty Cycle: 1:1
* Medium parameters used: σ = 0.883895; mho/m, ε_r = 43.5949; ρ = 1000 kg/m^3
- Electronics: DAE3 Sn442; Probe: ET3DV6 - SN1377; ConvF(7, 7, 7)
- Phantom: Flat Phantom 9.1; Serial: P 9.1; Phantom section: Flat 2.2 Section

Channel 3 Test/Area Scan (81x121x1): Measurement grid: dx=20mm, dy=20mm
Reference Value = 44.6 V/m; Power Drift = -0.3 dB
Maximum value of SAR (interpolated) = 2.86 mW/g

Channel 3 Test/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 44.6 V/m; Power Drift = -0.3 dB
Maximum value of SAR (measured) = 2.82 mW/g
Peak SAR (extrapolated) = 4.26 W/kg
SAR(1 g) = 2.7 mW/g; SAR(10 g) = 1.88 mW/g

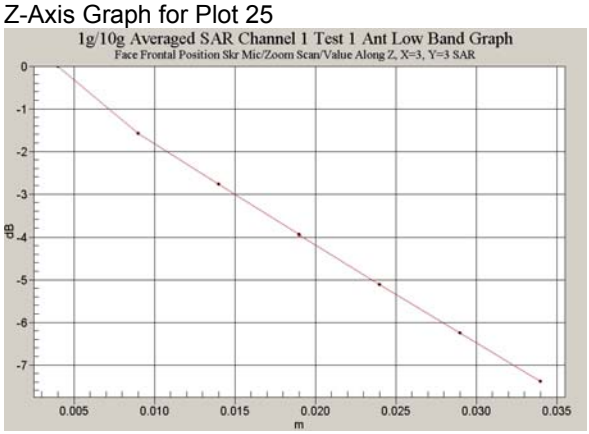


0 dB = 2.82mW/g

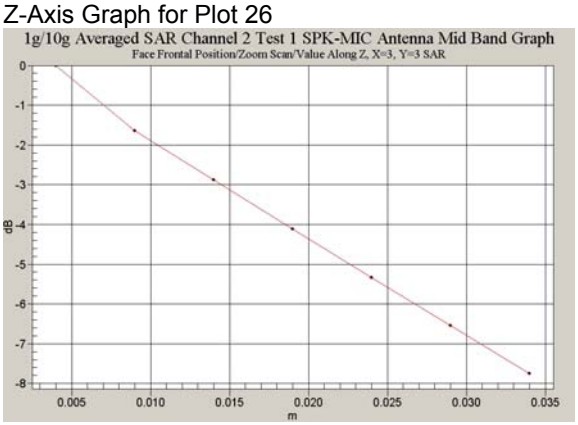
SAR MEASUREMENT PLOT 30

Ambient Temperature	**20.4 Degrees Celsius**
Liquid Temperature	**19.7 Degrees Celsius**
Humidity	**47.0 %**

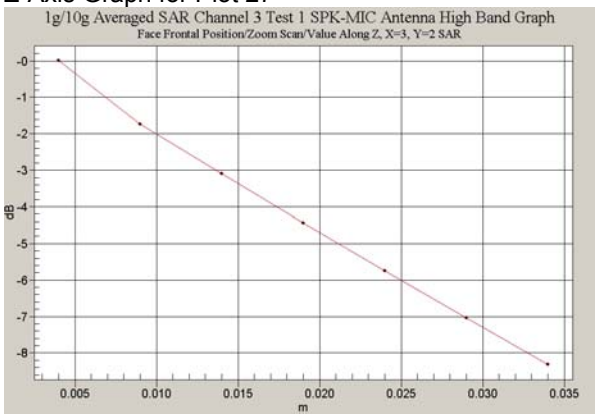
Z-Axis Graph for Plot 25



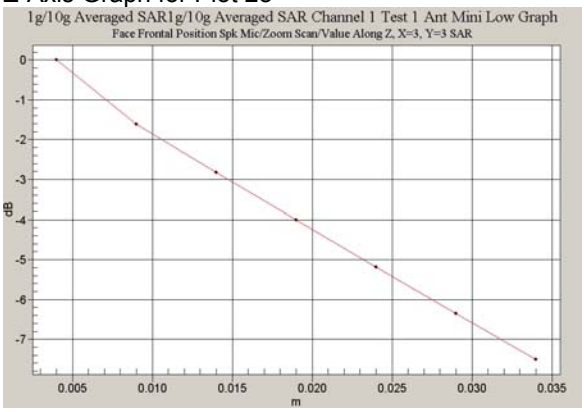
Z-Axis Graph for Plot 26



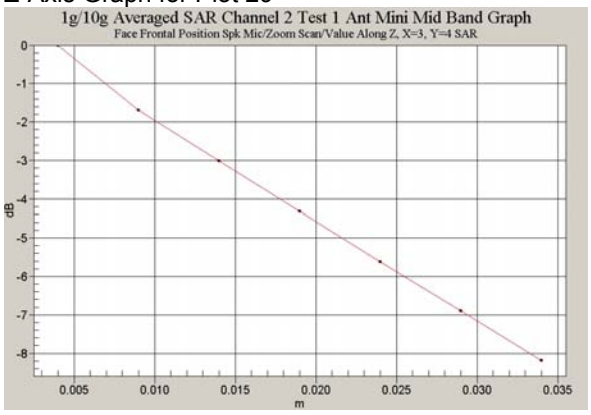
Z-Axis Graph for Plot 27



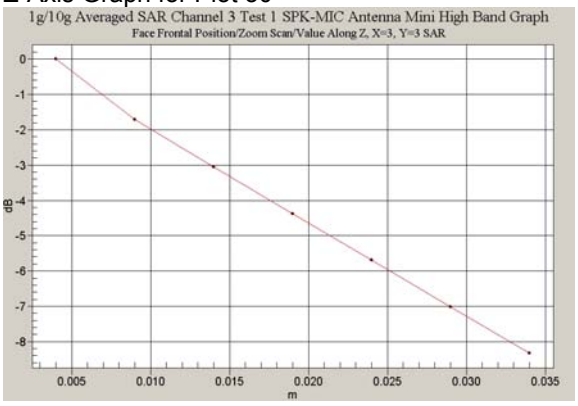
Z-Axis Graph for Plot 28



Z-Axis Graph for Plot 29



Z-Axis Graph for Plot 30

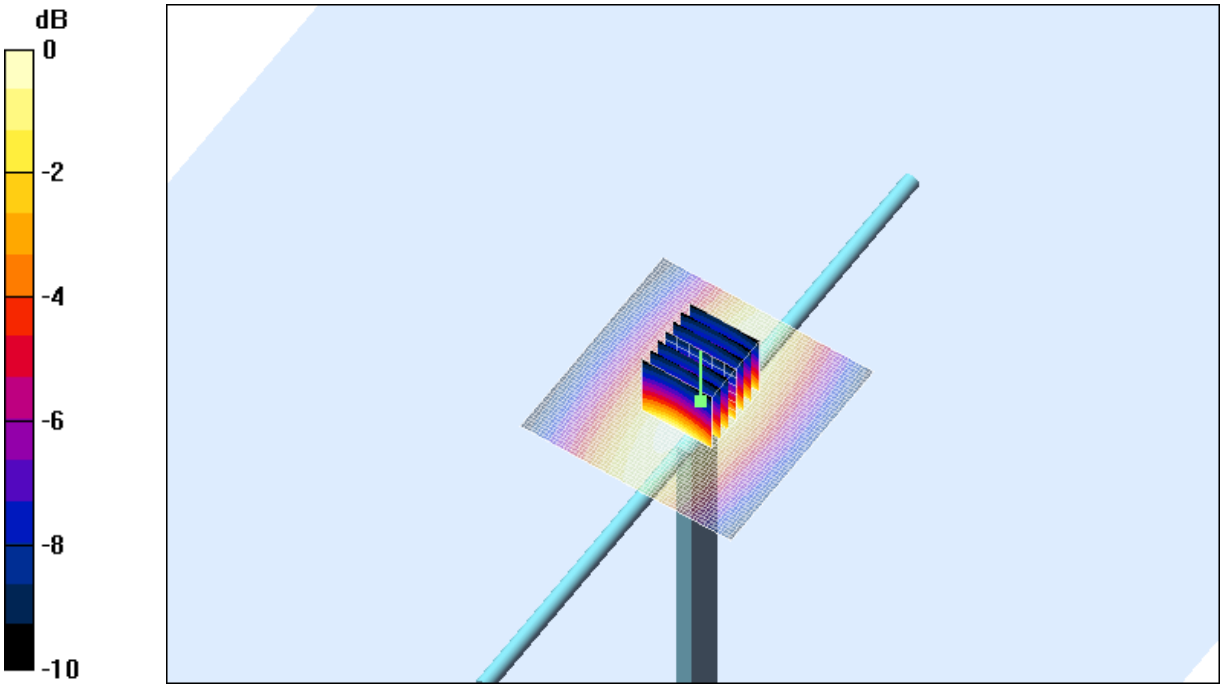


Test Date: 10 September 2004
File Name: Validation 450 MHz Head (DAE442 Probe1377) 10-09-04.da4
DUT: Dipole 450 MHz; Type: D450V2; Serial: 1009

* Communication System: CW 450 MHz; Frequency: 450 MHz; Duty Cycle: 1:1
* Medium parameters used: σ = 0.866673; mho/m, ε_r = 43.8526; ρ = 1000 kg/m^3
- Electronics: DAE3 Sn442; Probe: ET3DV6 - SN1377; ConvF(7, 7, 7)
- Phantom: Flat Phantom 4.4; Serial: P 4.4; Phantom section: Flat Section

Channel 1Test 2/Area Scan (61x61x1): Measurement grid: dx=15mm, dy=15mm
Reference Value = 40.3 V/m; Power Drift = -0.0 dB
Maximum value of SAR (interpolated) = 1.39 mW/g

Channel 1Test 2/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 40.3 V/m; Power Drift = -0.0 dB
Maximum value of SAR (measured) = 1.4 mW/g
Peak SAR (extrapolated) = 2.29 W/kg
SAR(1 g) = 1.32 mW/g; SAR(10 g) = 0.852 mW/g



0 dB = 1.4mW/g

SAR MEASUREMENT PLOT 31

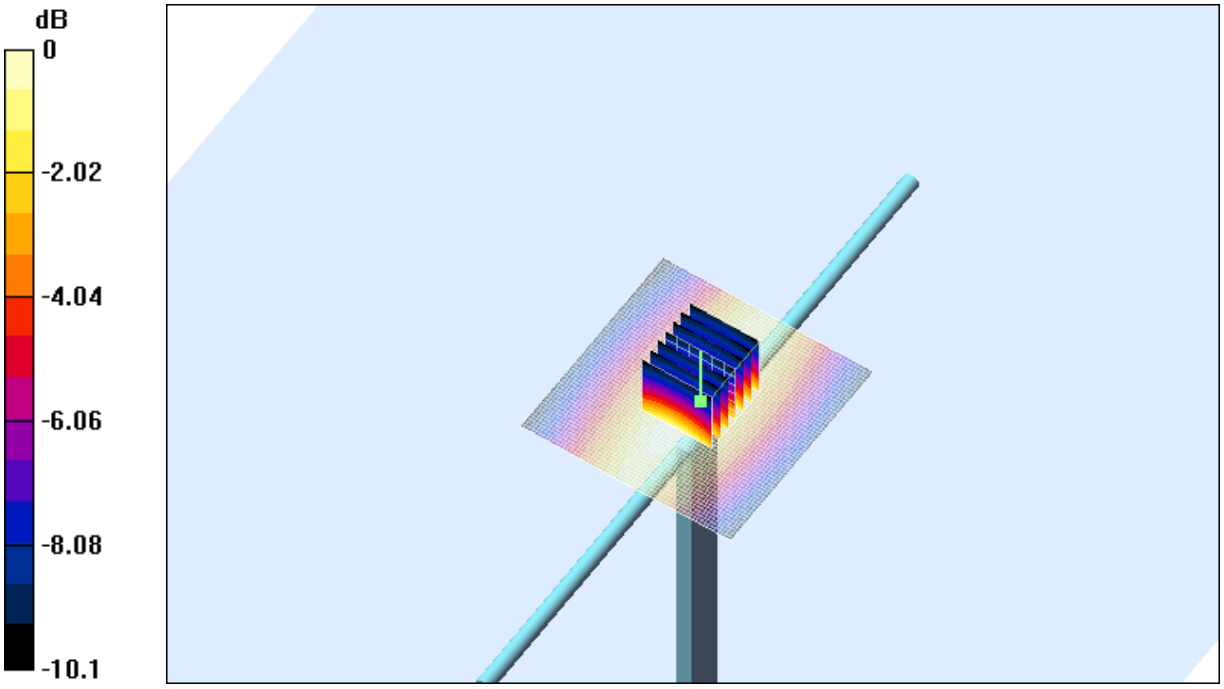
Ambient Temperature	**20.8 Degrees Celsius**
Liquid Temperature	**20.3 Degrees Celsius**
Humidity	**47.0 %**

Test Date: 11 September 2004
File Name: Validation 450 MHz Head (DAE442 Probe1377) 11-09-04.da4
DUT: Dipole 450 MHz; Type: D450V2; Serial: 1009

* Communication System: CW 450 MHz; Frequency: 450 MHz; Duty Cycle: 1:1
* Medium parameters used: σ = 0.865324; mho/m, ε_r = 43.9567; ρ = 1000 kg/m^3
- Electronics: DAE3 Sn442; Probe: ET3DV6 - SN1377; ConvF(7, 7, 7)
- Phantom: Flat Phantom 4.4; Serial: P 4.4; Phantom section: Flat Section

Channel 1Test/Area Scan (61x61x1): Measurement grid: dx=15mm, dy=15mm
Reference Value = 40.1 V/m; Power Drift = -0.0 dB
Maximum value of SAR (interpolated) = 1.4 mW/g

Channel 1Test/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 40.1 V/m; Power Drift = -0.0 dB
Maximum value of SAR (measured) = 1.4 mW/g
Peak SAR (extrapolated) = 2.32 W/kg
SAR(1 g) = 1.32 mW/g; SAR(10 g) = 0.849 mW/g



0 dB = 1.4mW/g

SAR MEASUREMENT PLOT 32

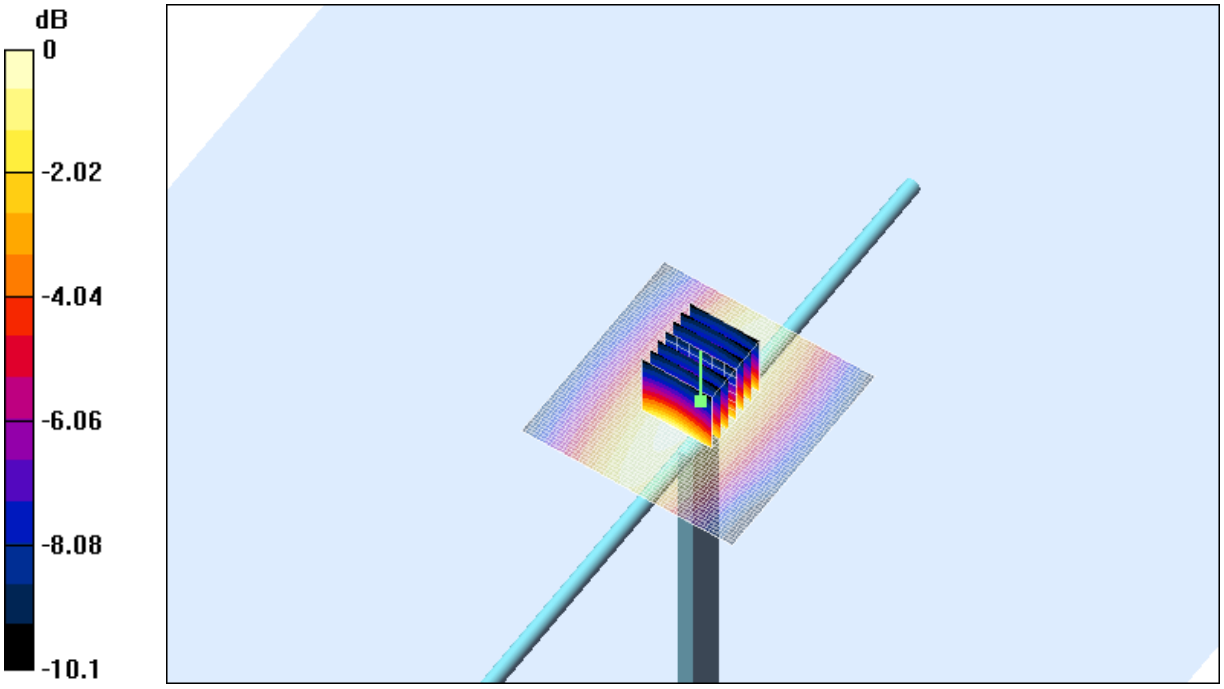
Ambient Temperature	**20.4 Degrees Celsius**
Liquid Temperature	**19.7 Degrees Celsius**
Humidity	**47.0 %**

Test Date: 13 September 2004
File Name: Validation 450 MHz Head (DAE442 Probe1377) 13-09-04.da4
DUT: Dipole 450 MHz; Type: D450V2; Serial: 1009

* Communication System: CW 450 MHz; Frequency: 450 MHz; Duty Cycle: 1:1
* Medium parameters used: σ = 0.890833; mho/m, ε_r = 43.5709; ρ = 1000 kg/m^3
- Electronics: DAE3 Sn442; Probe: ET3DV6 - SN1377; ConvF(7, 7, 7)
- Phantom: Flat Phantom 4.4; Serial: P 4.4; Phantom section: Flat Section

Channel 1Test/Area Scan (61x61x1): Measurement grid: dx=15mm, dy=15mm
Reference Value = 40.2 V/m; Power Drift = 0.005 dB
Maximum value of SAR (interpolated) = 1.42 mW/g

Channel 1Test/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 40.2 V/m; Power Drift = 0.005 dB
Maximum value of SAR (measured) = 1.43 mW/g
Peak SAR (extrapolated) = 2.37 W/kg
SAR(1 g) = 1.34 mW/g; SAR(10 g) = 0.863 mW/g

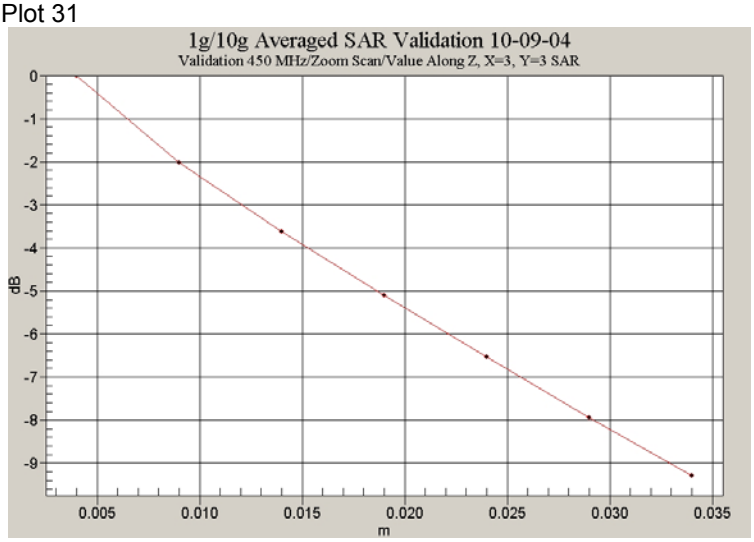


0 dB = 1.43mW/g

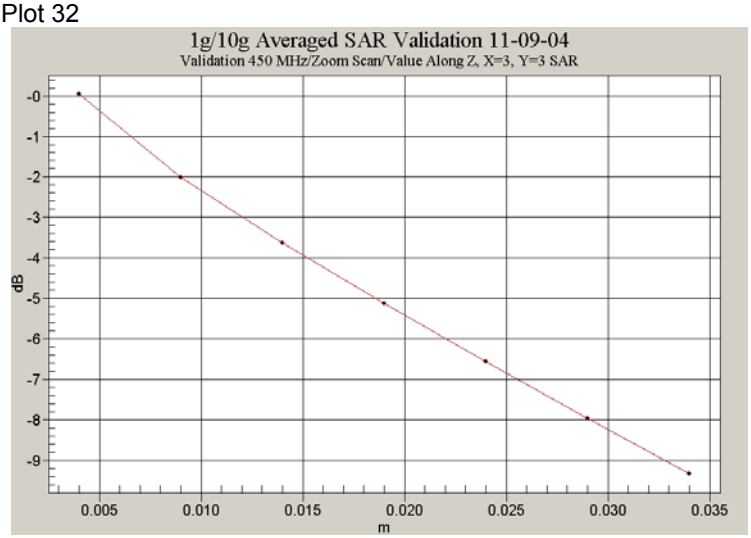
SAR MEASUREMENT PLOT 33

Ambient Temperature	**22.0 Degrees Celsius**
Liquid Temperature	**20.0 Degrees Celsius**
Humidity	**45.0 %**

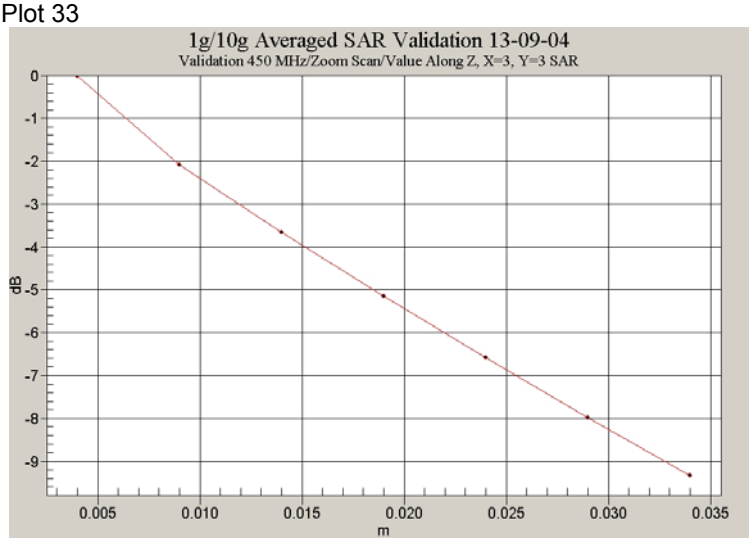
Z-Axis Graph for Plot 31



Z-Axis Graph for Plot 32



Z-Axis Graph for Plot 33



APPENDIX C
SAR TESTING EQUIPMENT CALIBRATION CERTIFICATE ATTACHMENTS

Calibration Certificate Attachments

1. 450 MHz Dipole Calibration Sheet	6 pages
2. E-Field Probe Calibration Sheet	11 Pages
3. 450MHz Conversion Factor Calibration Sheet	3 Pages