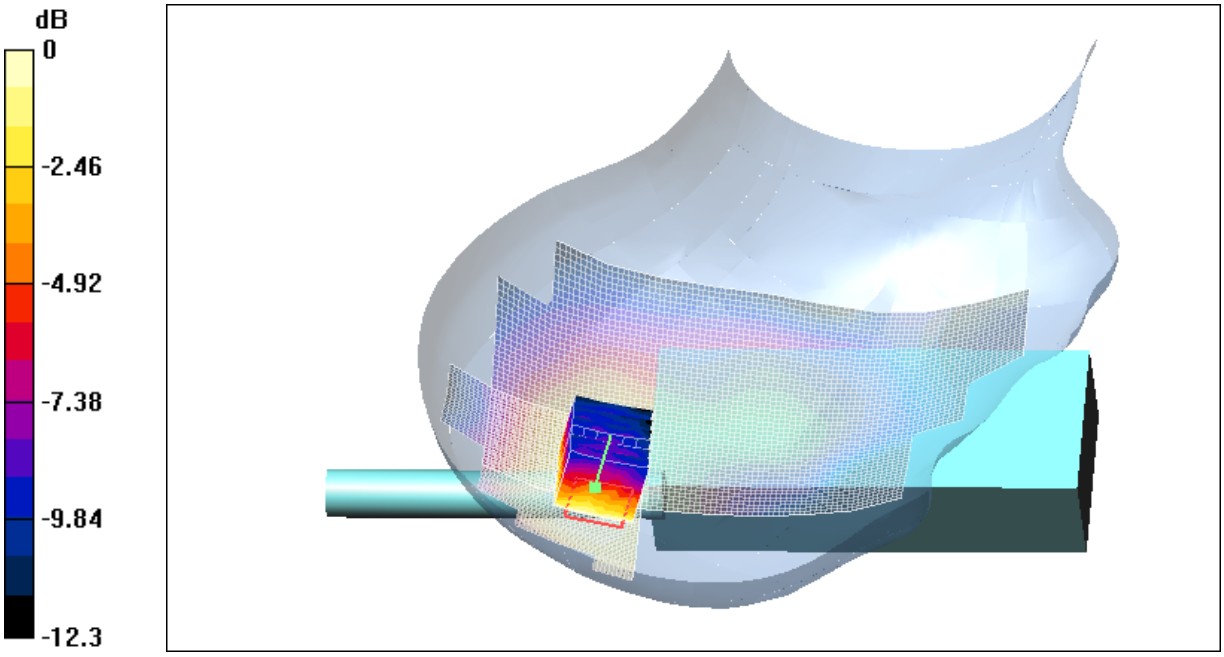
Test Date: 02 February 2005
File Name: Touch Right 1600 MHz (DAE442 Probe1380) 02-02-05.da4
DUT: Iridium Satellite Phone; Type: SUG0088ML L5 03575; Serial: C7032-GR-514

* Communication System: 1600 MHz Satellite ; Frequency: 1618.25 MHz; Duty Cycle: 1:9.2
* Medium parameters used: σ = 1.28259; mho/m, ε_r = 39.7331; ρ = 1000 kg/m^3
- Electronics: DAE3 Sn442; Probe: ET3DV6 - SN1380; ConvF(5.3, 5.3, 5.3)
- Phantom: SAM 22; Serial: 1260; Phantom section: Right Section

Channel 120 Test/Area Scan (121x51x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.196 mW/g

Channel 120 Test/Area Scan 2 (61x91x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.194 mW/g

Channel 120 Test/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 16.7 V/m; Power Drift = 0.2 dB
Peak SAR (extrapolated) = 0.351 W/kg
SAR(1 g) = 0.179 mW/g; SAR(10 g) = 0.117 mW/g
Maximum value of SAR (measured) = 0.193 mW/g



0 dB = 0.193mW/g

SAR MEASUREMENT PLOT 7

Ambient Temperature	**21.5 Degrees Celsius**
Liquid Temperature	**20.8 Degrees Celsius**
Humidity	**54.0 %**

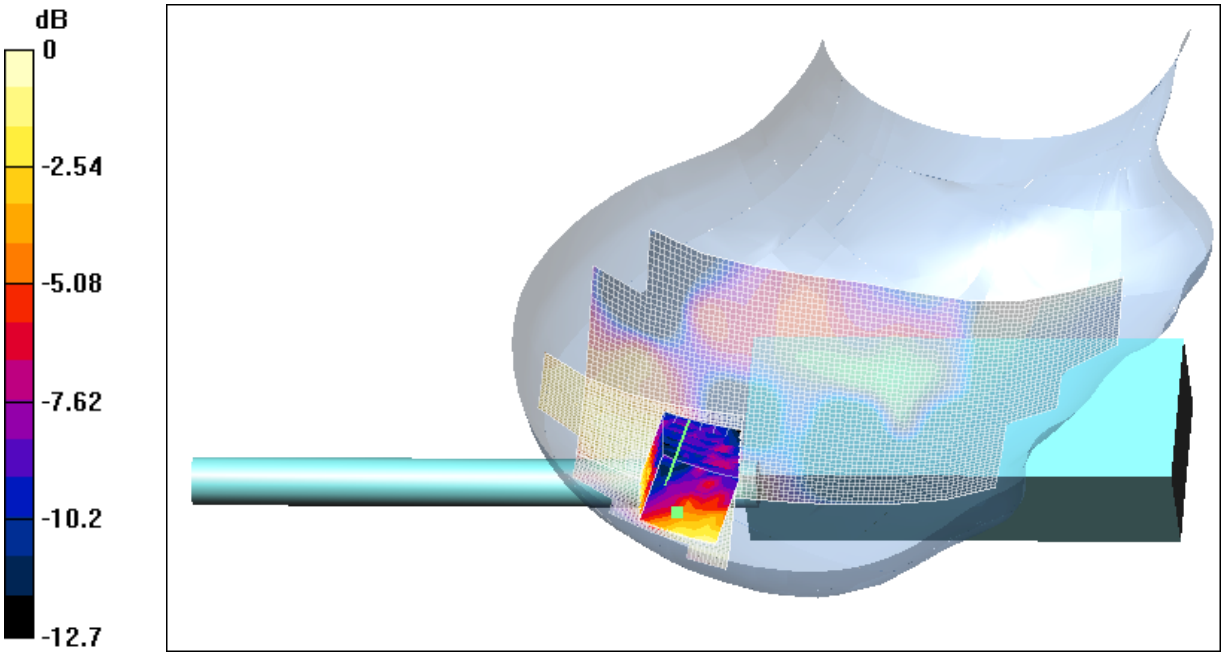
Test Date: 02 February 2005
File Name: Touch Right 1600 MHz Extended Antenna (DAE442 Probe1380) 02-02-05.da4
DUT: Iridium Satellite Phone; Type: SUG0088MBR 9505A; Serial: C7032-GR-514

* Communication System: 1600 MHz Satellite ; Frequency: 1618.25 MHz; Duty Cycle: 1:9.2
* Medium parameters used: σ = 1.28259; mho/m, ε_r = 39.7331; ρ = 1000 kg/m^3
- Electronics: DAE3 Sn442; Probe: ET3DV6 - SN1380; ConvF(5.3, 5.3, 5.3)
- Phantom: SAM 22; Serial: 1260; Phantom section: Right Section

Channel 120 Test/Area Scan (121x51x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.00871 mW/g

Channel 120 Test/Area Scan 2 (61x91x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.00941 mW/g

Channel 120 Test/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 3.8 V/m; Power Drift = -0.3 dB
Peak SAR (extrapolated) = 0.017 W/kg
SAR(1 g) = 0.00835 mW/g; SAR(10 g) = 0.00557 mW/g
Maximum value of SAR (measured) = 0.00926 mW/g



0 dB = 0.00926mW/g

SAR MEASUREMENT PLOT 8

Ambient Temperature	**21.5 Degrees Celsius**
Liquid Temperature	**20.8 Degrees Celsius**
Humidity	**54.0 %**

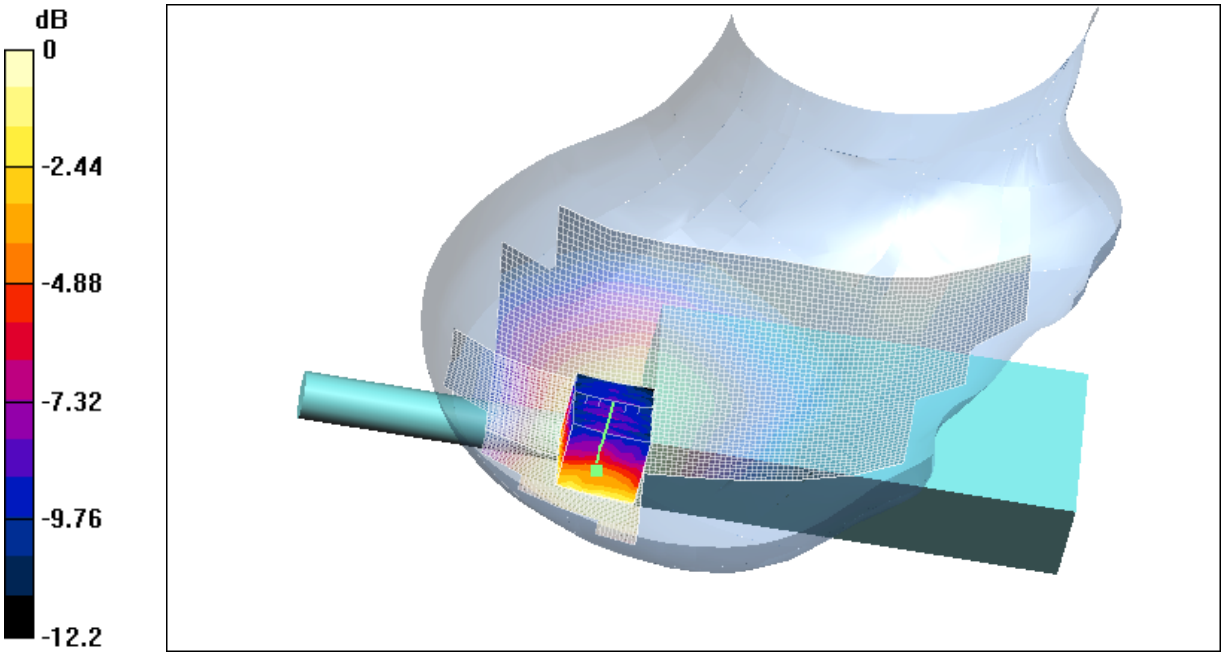
Test Date: 02 February 2005
File Name: Tilted Right 1600 MHz (DAE442 Probe1380) 02-02-05.da4
DUT: Iridium Satellite Phone; Type: SUG0088ML L5 03575; Serial: C7032-GR-514

* Communication System: 1600 MHz Satellite ; Frequency: 1618.25 MHz; Duty Cycle: 1:9.2
* Medium parameters used: σ = 1.28259; mho/m, ε_r = 39.7331; ρ = 1000 kg/m^3
- Electronics: DAE3 Sn442; Probe: ET3DV6 - SN1380; ConvF(5.3, 5.3, 5.3)
- Phantom: SAM 22; Serial: 1260; Phantom section: Right Section

Channel 120 Test/Area Scan (121x51x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.231 mW/g

Channel 120 Test/Area Scan 2 (61x91x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.247 mW/g

Channel 120 Test/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 16.3 V/m; Power Drift = 0.4 dB
Peak SAR (extrapolated) = 0.491 W/kg
SAR(1 g) = 0.227 mW/g; SAR(10 g) = 0.149 mW/g
Maximum value of SAR (measured) = 0.253 mW/g



0 dB = 0.253mW/g

SAR MEASUREMENT PLOT 9

Ambient Temperature	**21.5 Degrees Celsius**
Liquid Temperature	**20.8 Degrees Celsius**
Humidity	**54.0 %**

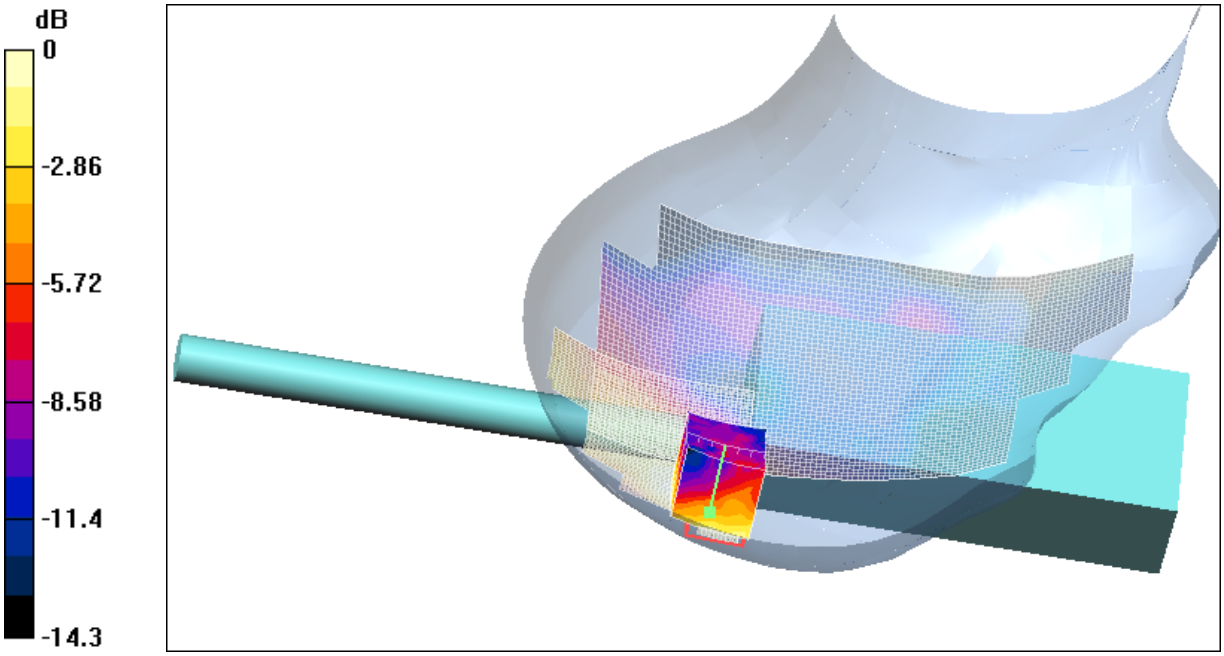
Test Date: 02 February 2005
File Name: Tilted Right 1600 MHz Extended Antenna (DAE442 Probe1380) 02-02-05.da4
DUT: Iridium Satellite Phone; Type: SUG0088MBR 9505A; Serial: C7032-GR-514

* Communication System: 1600 MHz Satellite ; Frequency: 1618.25 MHz; Duty Cycle: 1:9.2
* Medium parameters used: σ = 1.28259; mho/m, ε_r = 39.7331; ρ = 1000 kg/m^3
- Electronics: DAE3 Sn442; Probe: ET3DV6 - SN1380; ConvF(5.3, 5.3, 5.3)
- Phantom: SAM 22; Serial: 1260; Phantom section: Right Section

Channel 120 Test/Area Scan (121x51x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.00911 mW/g

Channel 120 Test/Area Scan 2 (61x91x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.015 mW/g

Channel 120 Test/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 5.52 V/m; Power Drift = -0.2 dB
Peak SAR (extrapolated) = 0.022 W/kg
SAR(1 g) = 0.013 mW/g; SAR(10 g) = 0.00891 mW/g
Maximum value of SAR (measured) = 0.015 mW/g

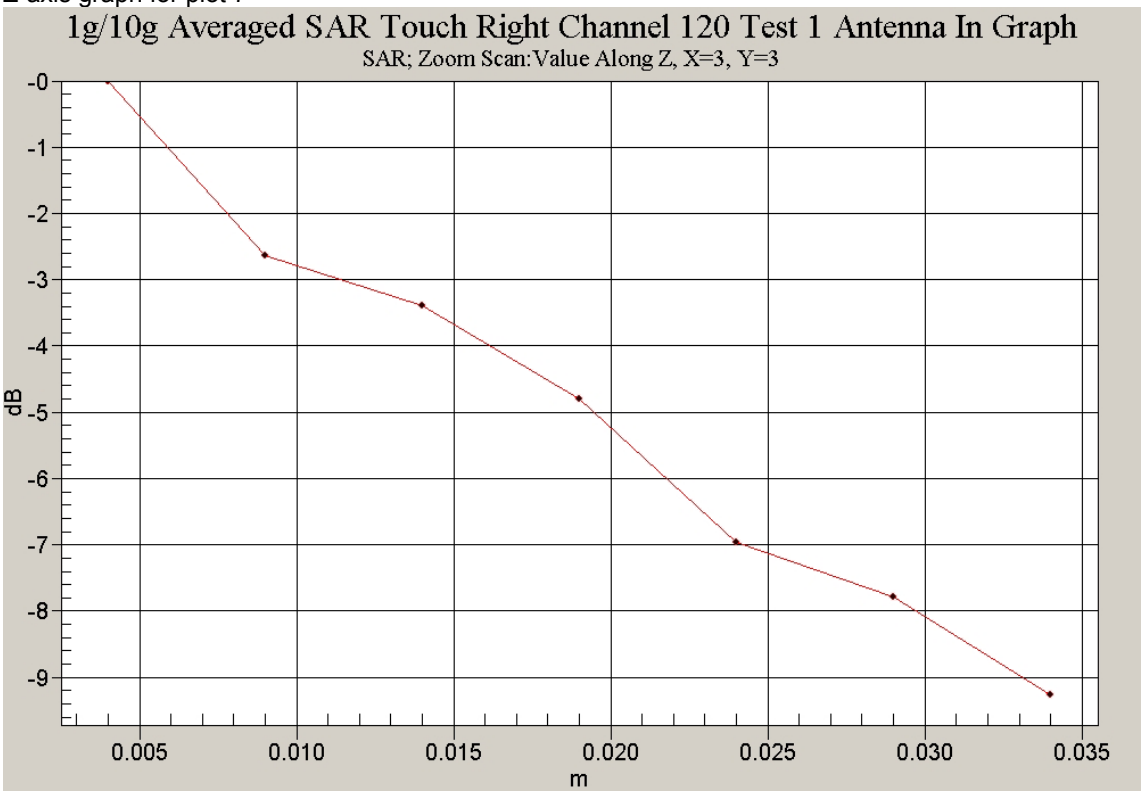


0 dB = 0.015mW/g

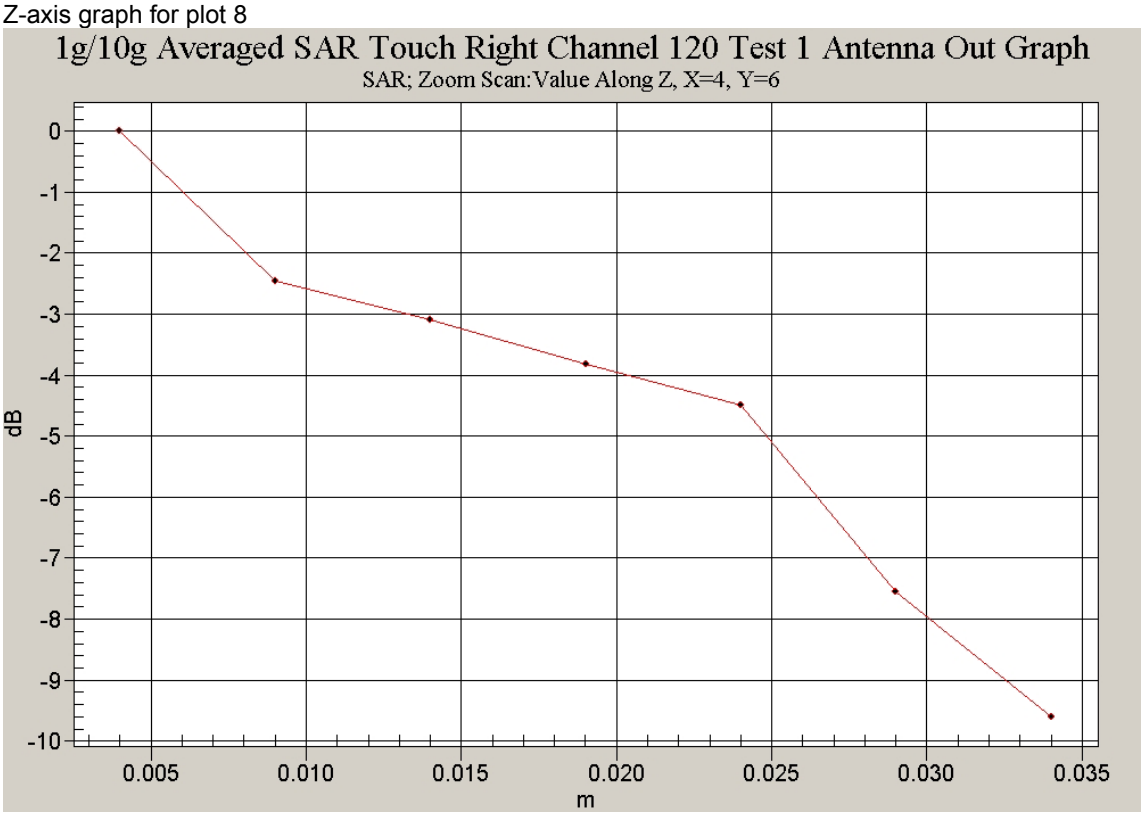
SAR MEASUREMENT PLOT 10

Ambient Temperature	**21.5 Degrees Celsius**
Liquid Temperature	**20.8 Degrees Celsius**
Humidity	**54.0 %**

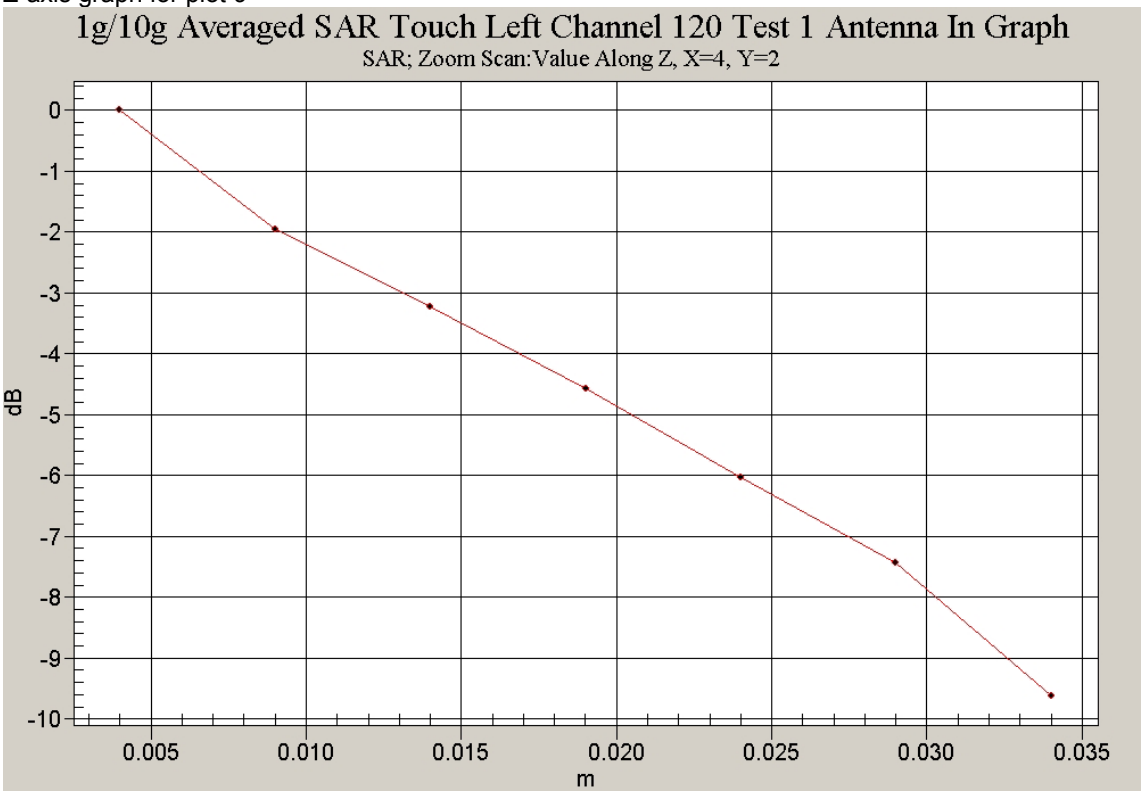
Z-axis graph for plot 7



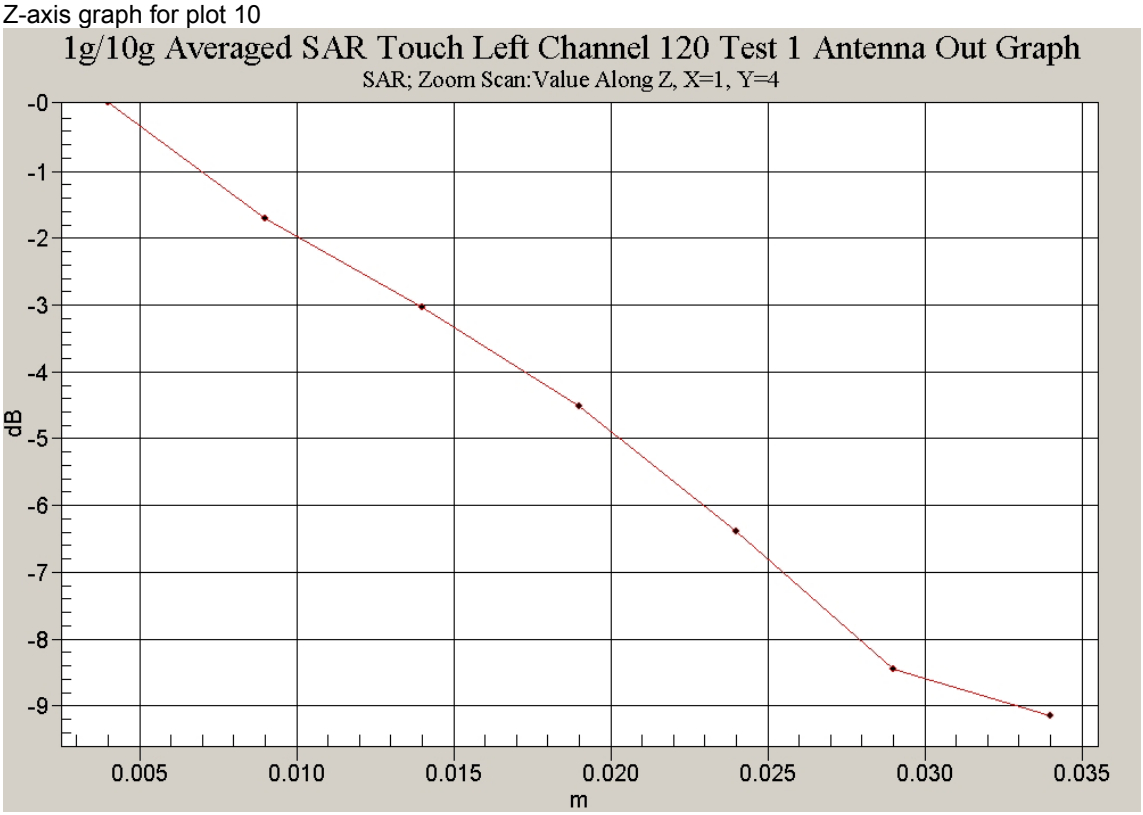
Z-axis graph for plot 8



Z-axis graph for plot 9



Z-axis graph for plot 10

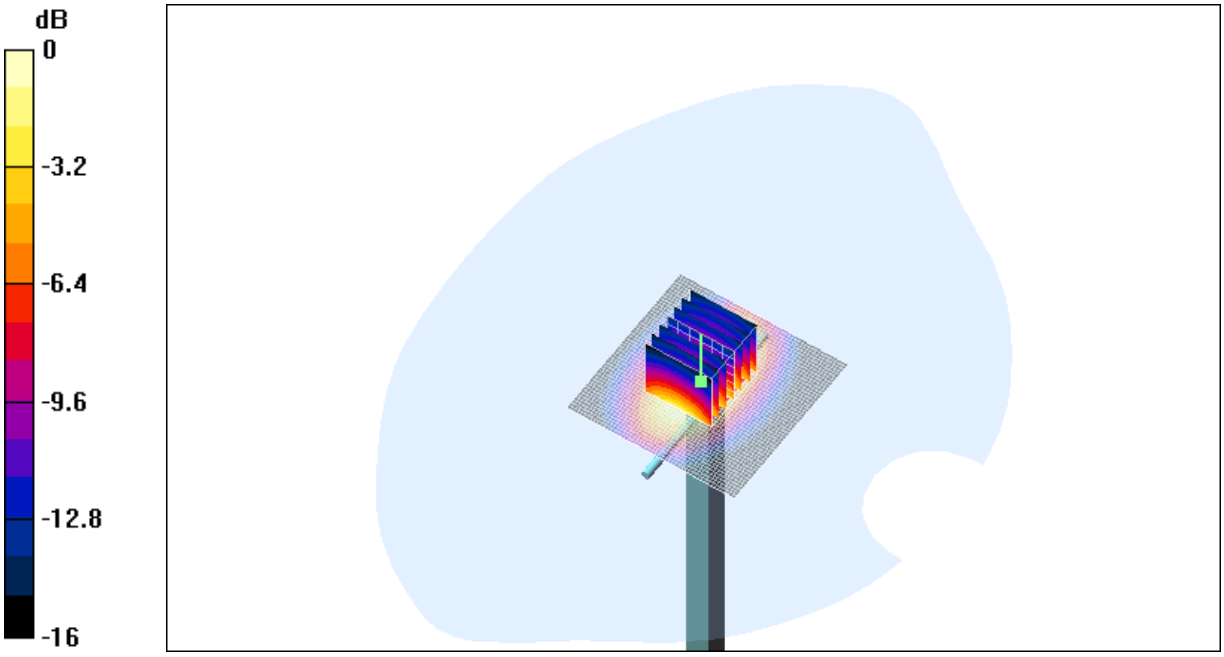


Test Date: 02 February 2005
File Name: Validation 1640 MHz (DAE442 Probe1380) 02-02-05.da4
DUT: Dipole 1640 MHz; Type: DV1640V2; Serial: 314

* Communication System: CW 1640 MHz; Frequency: 1640 MHz; Duty Cycle: 1:1
* Medium parameters used: σ = 1.29862; mho/m, ε_r = 39.7705; ρ = 1000 kg/m^3
- Electronics: DAE3 Sn442; Probe: ET3DV6 - SN1380; ConvF(5.3, 5.3, 5.3)
- Phantom: SAM 22; Serial: 1260; Phantom section: Flat Section

Channel 1 Test 2/Area Scan (51x51x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 10.6 mW/g

Channel 1 Test 2/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 86.2 V/m; Power Drift = 0.006 dB
Peak SAR (extrapolated) = 17.9 W/kg
SAR(1 g) = 8.78 mW/g; SAR(10 g) = 4.66 mW/g
Maximum value of SAR (measured) = 9.63 mW/g



0 dB = 9.63mW/g

SAR MEASUREMENT PLOT 11

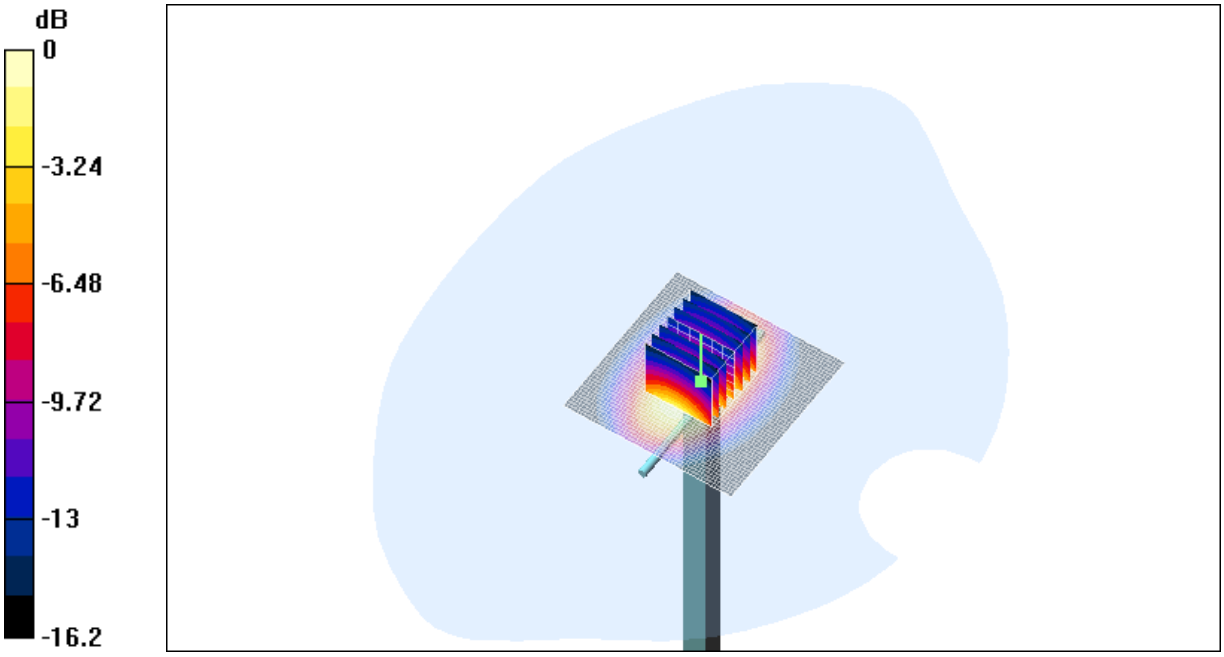
Ambient Temperature	**21.5 Degrees Celsius**
Liquid Temperature	**20.8 Degrees Celsius**
Humidity	**54.0 %**

Test Date: 03 February 2005
File Name: Validation 1640 MHz (DAE442 Probe1380) 03-02-05.da4
DUT: Dipole 1640 MHz; Type: DV1640V2; Serial: 314

* Communication System: CW 1640 MHz; Frequency: 1640 MHz; Duty Cycle: 1:1
* Medium parameters used: σ = 1.31641; mho/m, ε_r = 39.8253; ρ = 1000 kg/m^3
- Electronics: DAE3 Sn442; Probe: ET3DV6 - SN1380; ConvF(5.3, 5.3, 5.3)
- Phantom: SAM 22; Serial: 1260; Phantom section: Flat Section

Channel 1 Test/Area Scan (51x51x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 11 mW/g

Channel 1 Test/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 86.9 V/m; Power Drift = -0.0 dB
Peak SAR (extrapolated) = 18.3 W/kg
SAR(1 g) = 9.01 mW/g; SAR(10 g) = 4.8 mW/g
Maximum value of SAR (measured) = 9.81 mW/g

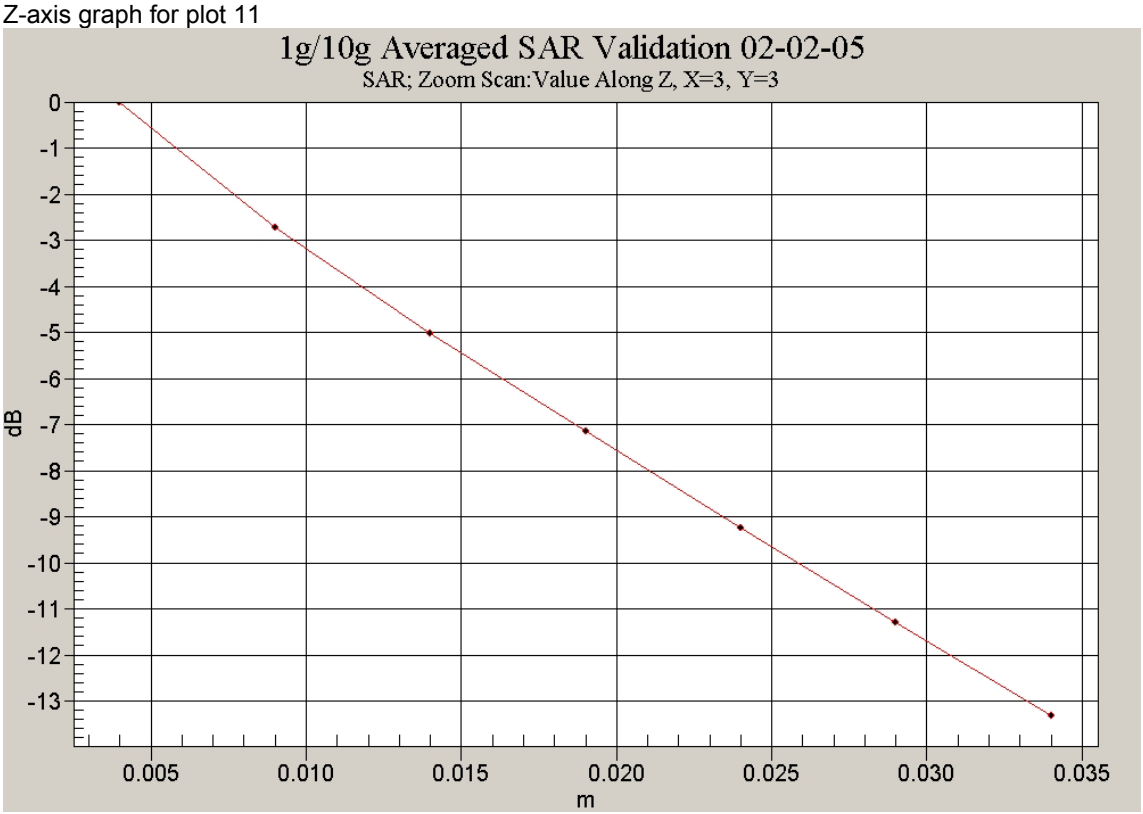


0 dB = 9.81mW/g

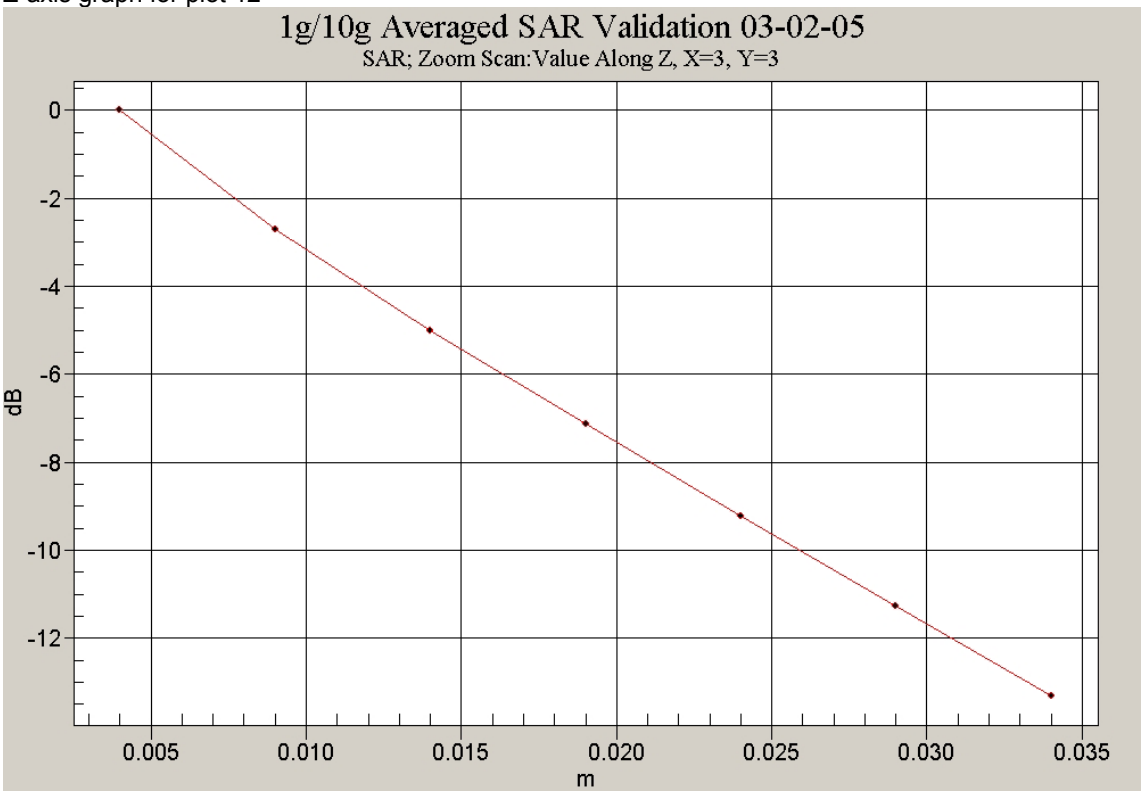
SAR MEASUREMENT PLOT 12

Ambient Temperature	**20.9 Degrees Celsius**
Liquid Temperature	**20.5 Degrees Celsius**
Humidity	**59.0 %**

Z-axis graph for plot 11



Z-axis graph for plot 12



APPENDIX C
SAR TESTING EQUIPMENT CALIBRATION CERTIFICATE ATTACHMENTS

Calibration Certificate Attachments

1. E-Field Probe Calibration Sheet	9 Pages
2. Additional Calibration Factor 1610MHz	3 Pages
2. 1610MHz Dipole Calibration Sheet	6 pages