

Test Date: 24 March 2006

File Name: [Touch Right 1600 MHz \(DAE442 Probe1380\) 24-03-06.da4](#)

DUT: Iridium Satellite Phone; Type: 9505A; Serial: IMEI:300214010004000

* Communication System: 1600 MHz Satellite; Frequency: 1618.25 MHz; Duty Cycle: 1:1

* Medium parameters used: $\sigma = 1.24062$ mho/m, $\epsilon_r = 40.9989$; $\rho = 1000$ kg/m³

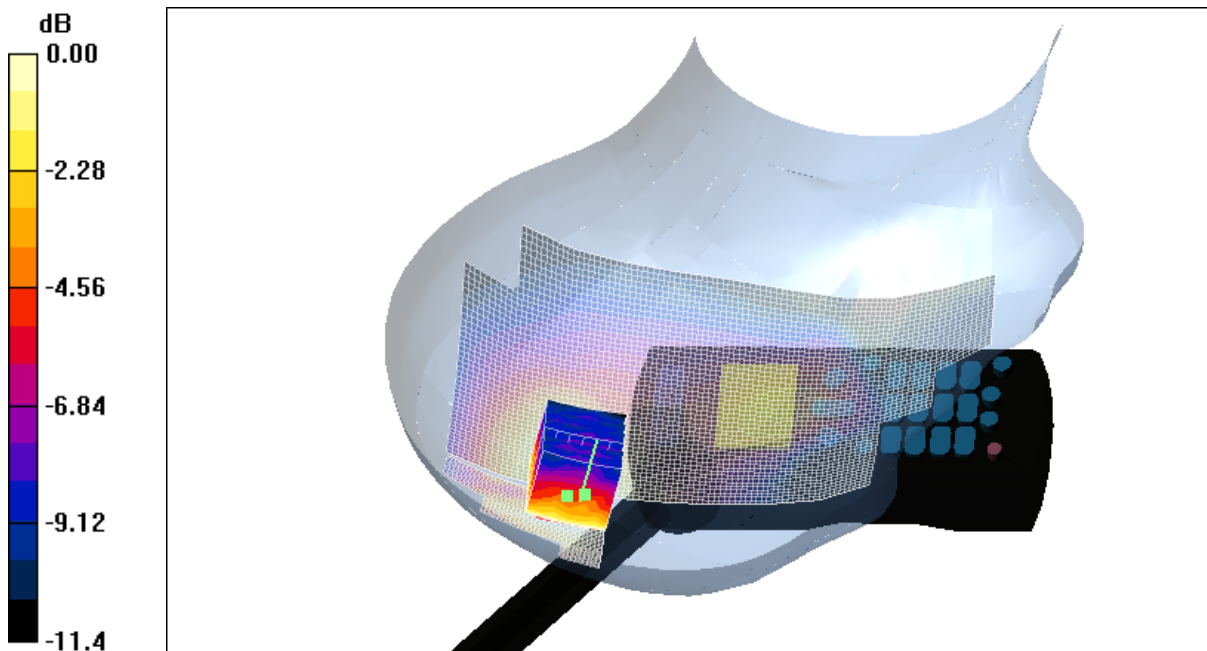
- Electronics: DAE3 Sn442; Probe: ET3DV6 - SN1380; ConvF(5.42, 5.42, 5.42)

- 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) = 0.200 mW/g

Channel 120 Test/Area Scan 2 (61x61x1): Measurement grid: dx=15mm, dy=15mm
 Maximum value of SAR (interpolated) = 0.191 mW/g

Channel 120 Test/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
 Reference Value = 6.93 V/m; Power Drift = 0.051 dB
 Peak SAR (extrapolated) = 0.343 W/kg
SAR(1 g) = 0.186 mW/g; SAR(10 g) = 0.126 mW/g
 Maximum value of SAR (measured) = 0.206 mW/g



0 dB = 0.206mW/g

SAR MEASUREMENT PLOT 7

Ambient Temperature
 Liquid Temperature
 Humidity

21.2 Degrees Celsius
 20.7 Degrees Celsius
 62.0 %

Test Date: 24 March 2006

File Name: [Touch Right 1600 MHz Extended Antenna \(DAE442 Probe1380\) 24-03-06.da4](#)

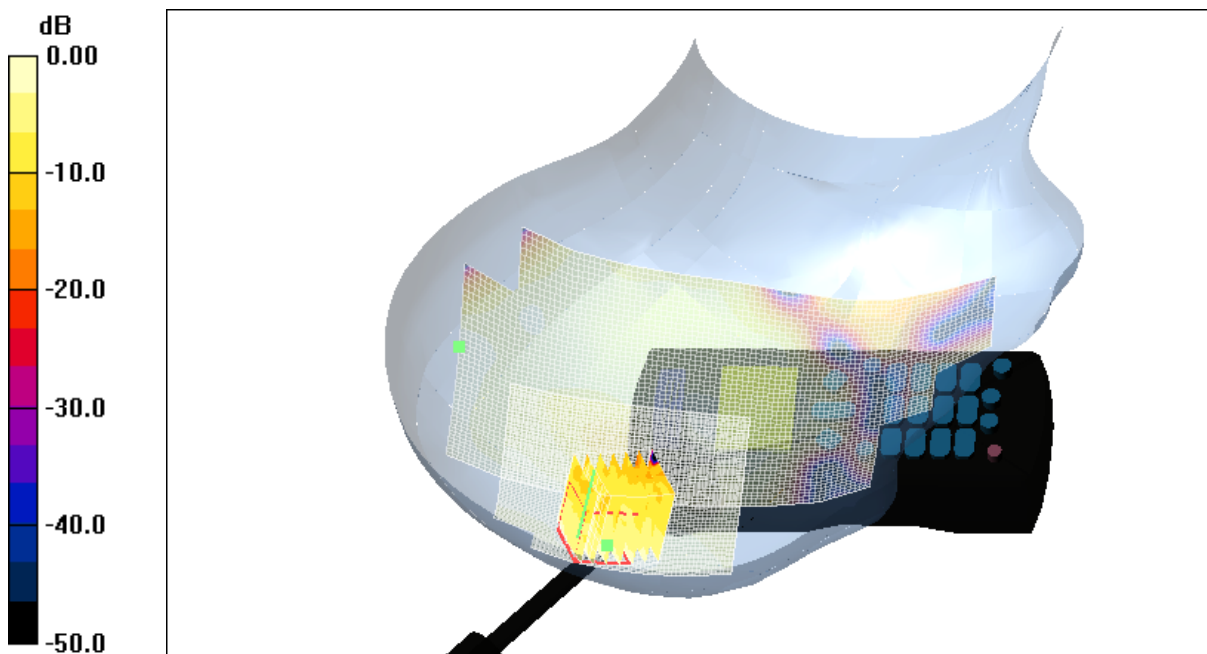
DUT: Iridium Satellite Phone; Type: 9505A; Serial: IMEI:300214010004000

- * Communication System: 1600 MHz Satellite; Frequency: 1618.25 MHz; Duty Cycle: 1:1
- * Medium parameters used: $\sigma = 1.24062$ mho/m, $\epsilon_r = 40.9989$; $\rho = 1000$ kg/m³
- Electronics: DAE3 Sn442; Probe: ET3DV6 - SN1380; ConvF(5.42, 5.42, 5.42)
- 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) = 0.01 mW/g

Channel 120 Test/Area Scan 2 (61x61x1): Measurement grid: dx=15mm, dy=15mm

Channel 120 Test/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 2.26 V/m; Power Drift = 0.380 dB
Peak SAR (extrapolated) = 0.013 W/kg
SAR(1 g) = 0.00644 mW/g; SAR(10 g) = 0.00427 mW/g
Maximum value of SAR (measured) = 0.01 mW/g

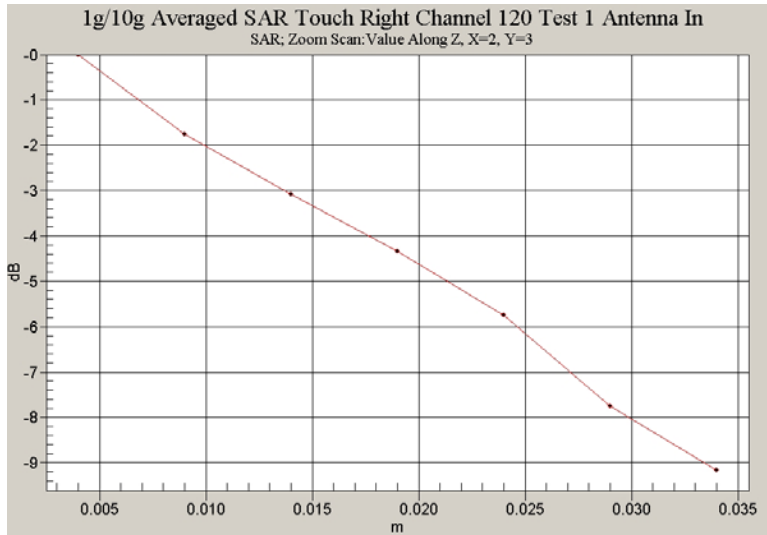


SAR MEASUREMENT PLOT 8

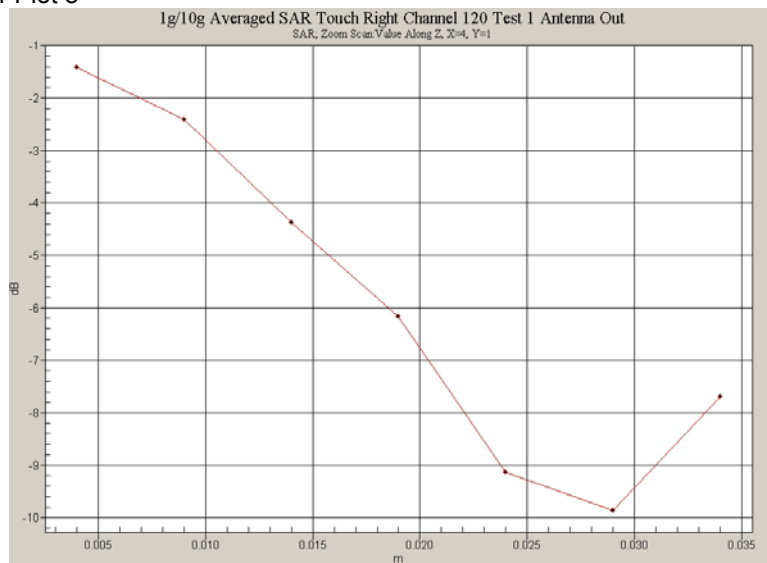
Ambient Temperature
Liquid Temperature
Humidity

21.2 Degrees Celsius
20.7 Degrees Celsius
62.0 %

Z-Axis Graph for Plot 7



Z-Axis Graph for Plot 8



Test Date: 24 March 2006

File Name: [Tilted Right 1600 MHz \(DAE442 Probe1380\) 24-03-06.da4](#)

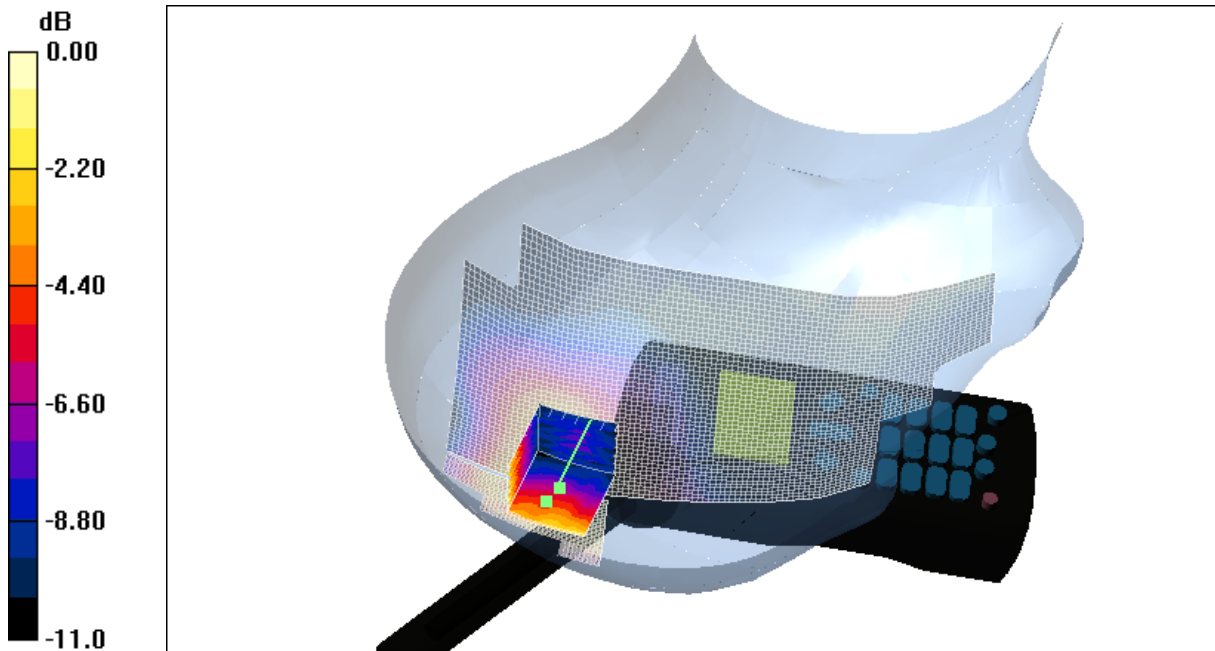
DUT: Iridium Satellite Phone; Type: 9505A; Serial: IMEI:300214010004000

- * Communication System: 1600 MHz Satellite; Frequency: 1618.25 MHz; Duty Cycle: 1:1
- * Medium parameters used: $\sigma = 1.24062$ mho/m, $\epsilon_r = 40.9989$; $\rho = 1000$ kg/m³
- Electronics: DAE3 Sn442; Probe: ET3DV6 - SN1380; ConvF(5.42, 5.42, 5.42)
- 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) = 0.253 mW/g

Channel 120 Test/Area Scan 2 (61x61x1): Measurement grid: dx=15mm, dy=15mm
 Maximum value of SAR (interpolated) = 0.582 mW/g

Channel 120 Test/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
 Reference Value = 8.01 V/m; Power Drift = -0.018 dB
 Peak SAR (extrapolated) = 0.531 W/kg
SAR(1 g) = 0.277 mW/g; SAR(10 g) = 0.175 mW/g
 Maximum value of SAR (measured) = 0.302 mW/g



0 dB = 0.302mW/g

SAR MEASUREMENT PLOT 9

Ambient Temperature
 Liquid Temperature
 Humidity

21.2 Degrees Celsius
 20.7 Degrees Celsius
 62.0 %

Test Date: 27 March 2006

File Name: [Tilted Right 1600 MHz Extended Antenna \(DAE442 Probe1380\) 27-03-06.da4](#)

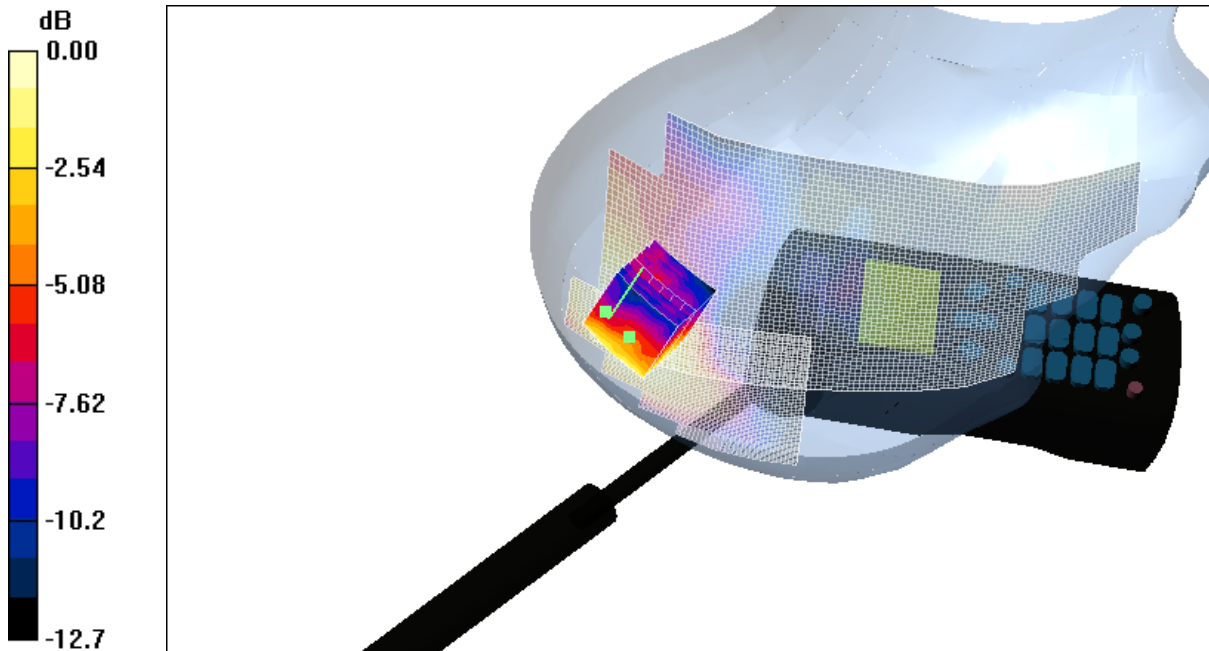
DUT: Iridium Satellite Phone; Type: 9505A; Serial: IMEI:300214010004000

- * Communication System: 1600 MHz Satellite; Frequency: 1618.25 MHz; Duty Cycle: 1:1
- * Medium parameters used: $\sigma = 1.26694$ mho/m, $\epsilon_r = 40.2753$; $\rho = 1000$ kg/m³
- Electronics: DAE3 Sn442; Probe: ET3DV6 - SN1380; ConvF(5.42, 5.42, 5.42)
- Phantom: SAM 22; Serial: 1260; Phantom section: Right Section

Channel 120 Test 2/Area Scan (121x51x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.019 mW/g

Channel 120 Test 2/Area Scan 2 (61x61x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.020 mW/g

Channel 120 Test 2/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 3.71 V/m; Power Drift = -0.055 dB
Peak SAR (extrapolated) = 0.035 W/kg
SAR(1 g) = 0.020 mW/g; SAR(10 g) = 0.013 mW/g
Maximum value of SAR (measured) = 0.021 mW/g



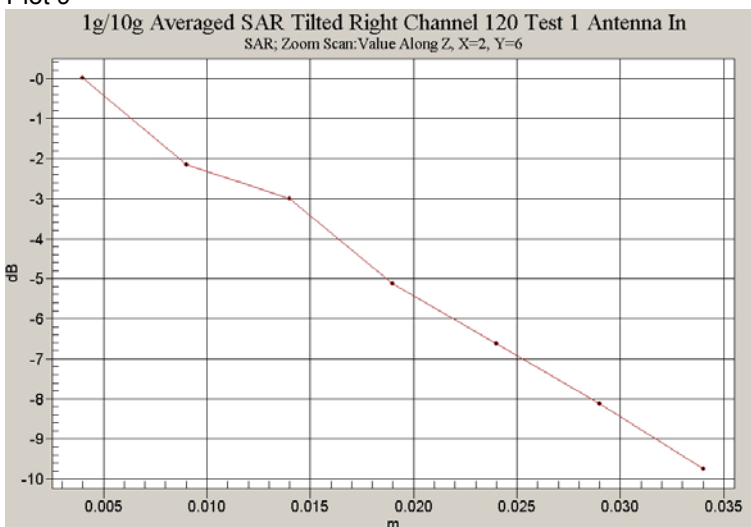
0 dB = 0.021mW/g

SAR MEASUREMENT PLOT 10

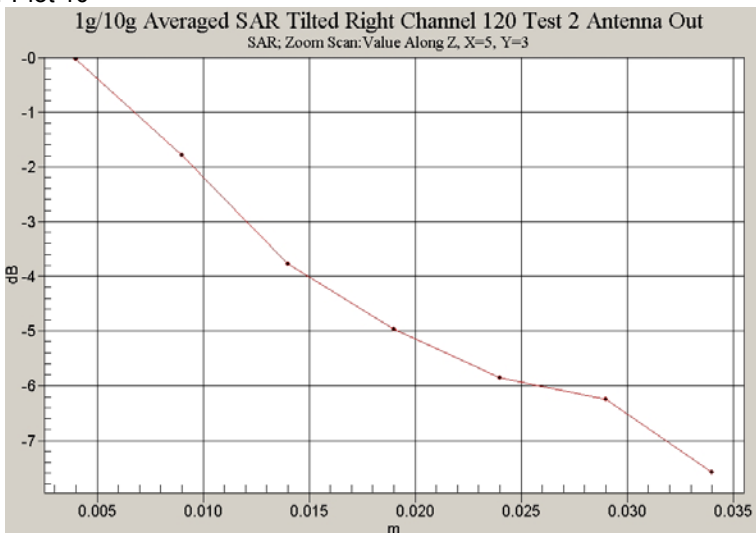
Ambient Temperature
Liquid Temperature
Humidity

21.4 Degrees Celsius
20.8 Degrees Celsius
64.0 %

Z-Axis Graph for Plot 9



Z-Axis Graph for Plot 10



Test Date: 24 March 2006

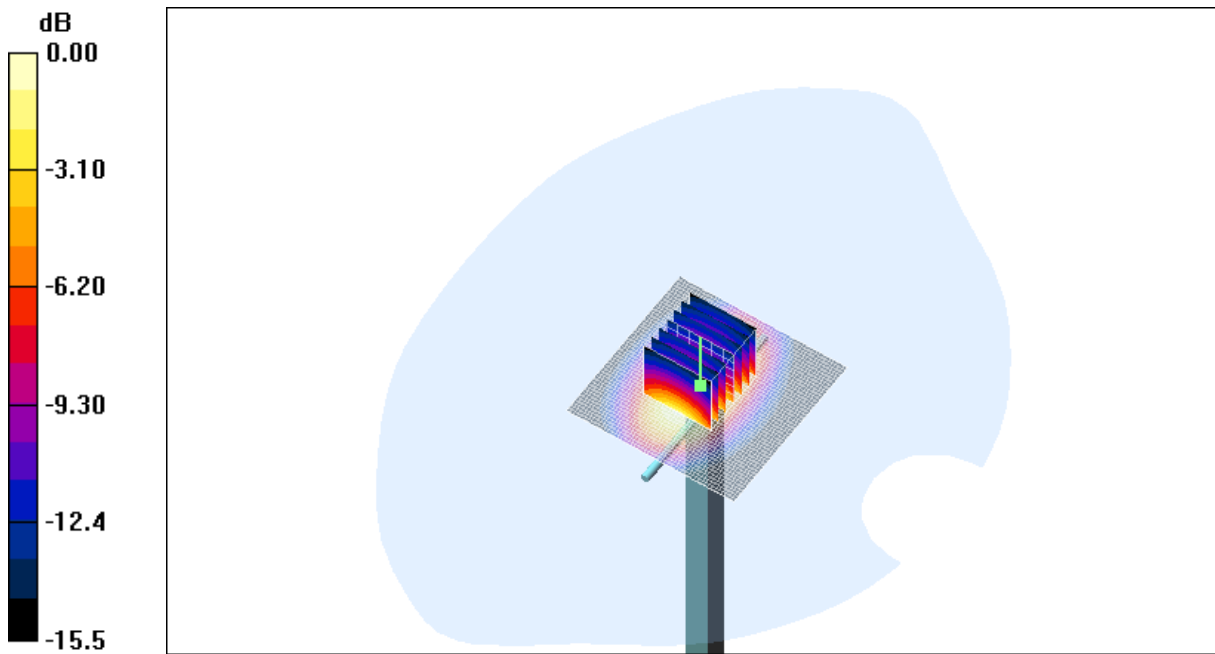
File Name: [Validation 1640 MHz \(DAE442 Probe1380\) 24-03-06.da4](#)

DUT: Dipole 1640 MHz; Type: DV1640V2; Serial: 314

- * Communication System: CW 1640 MHz; Frequency: 1640 MHz; Duty Cycle: 1:1
- * Medium parameters used: $\sigma = 1.25575$ mho/m, $\epsilon_r = 40.9379$; $\rho = 1000$ kg/m³
- Electronics: DAE3 Sn442; Probe: ET3DV6 - SN1380; ConvF(5.42, 5.42, 5.42)
- 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) = 10.9 mW/g

Channel 1 Test/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
 Reference Value = 88.2 V/m; Power Drift = -0.012 dB
 Peak SAR (extrapolated) = 18.3 W/kg
SAR(1 g) = 8.91 mW/g; SAR(10 g) = 4.75 mW/g
 Maximum value of SAR (measured) = 9.80 mW/g



0 dB = 9.80mW/g

SAR MEASUREMENT PLOT 11

Ambient Temperature
 Liquid Temperature
 Humidity

21.2 Degrees Celsius
 20.7 Degrees Celsius
 62.0 %

Test Date: 27 March 2006

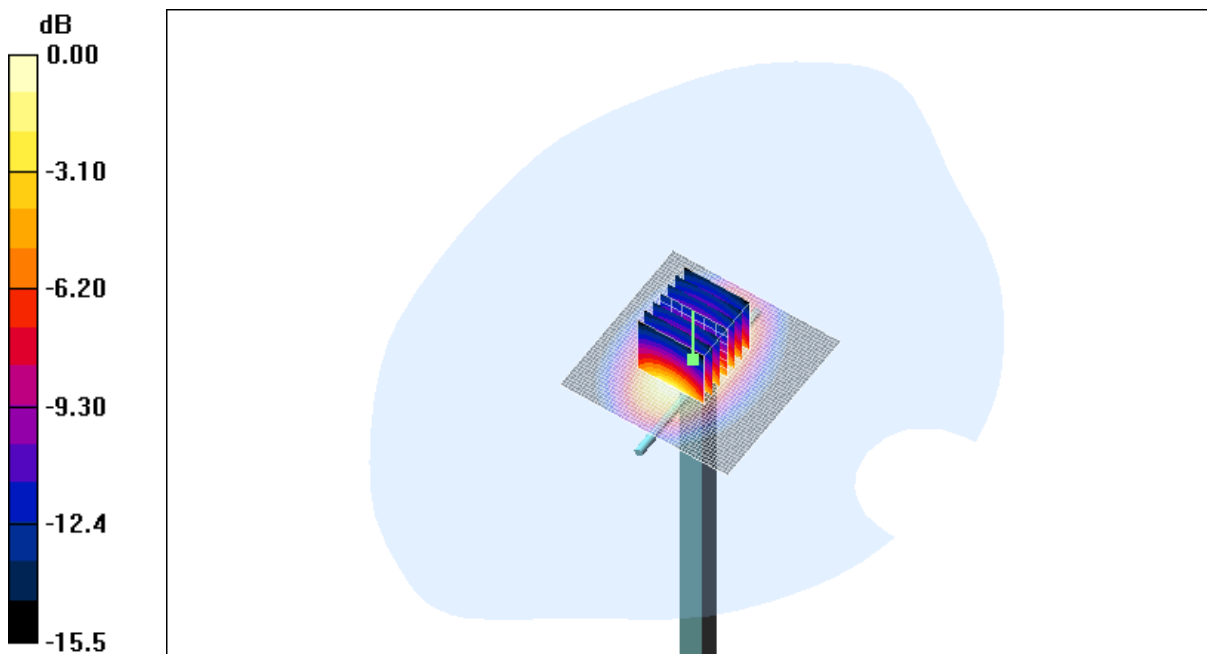
File Name: [Validation 1640 MHz \(DAE442 Probe1380\) 27-03-06.da4](#)

DUT: Dipole 1640 MHz; Type: DV1640V2; Serial: 314

- * Communication System: CW 1640 MHz; Frequency: 1640 MHz; Duty Cycle: 1:1
- * Medium parameters used: $\sigma = 1.2818$ mho/m, $\epsilon_r = 40.2473$; $\rho = 1000$ kg/m³
- Electronics: DAE3 Sn442; Probe: ET3DV6 - SN1380; ConvF(5.42, 5.42, 5.42)
- 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) = 11.0 mW/g

Channel 1 Test 2/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 87.6 V/m; Power Drift = 0.022 dB
Peak SAR (extrapolated) = 18.4 W/kg
SAR(1 g) = 9.08 mW/g; SAR(10 g) = 4.86 mW/g
Maximum value of SAR (measured) = 9.97 mW/g



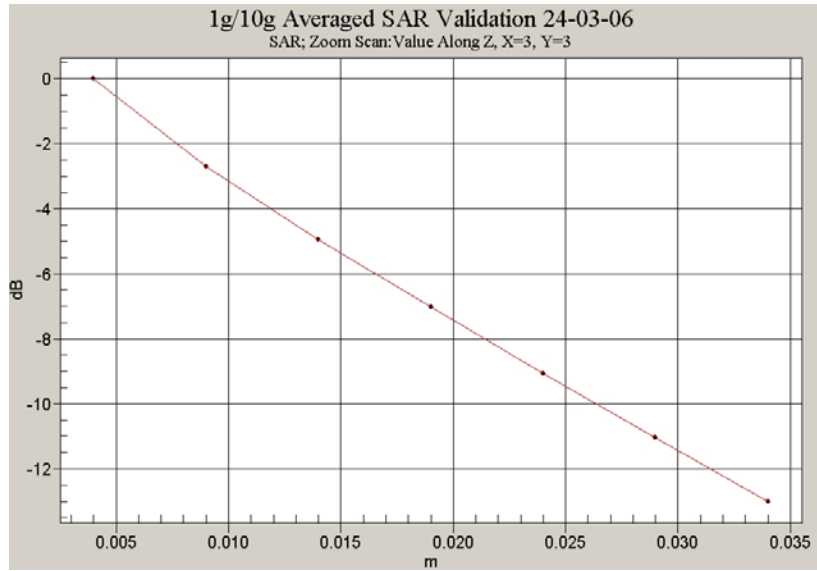
0 dB = 9.97mW/g

SAR MEASUREMENT PLOT 12

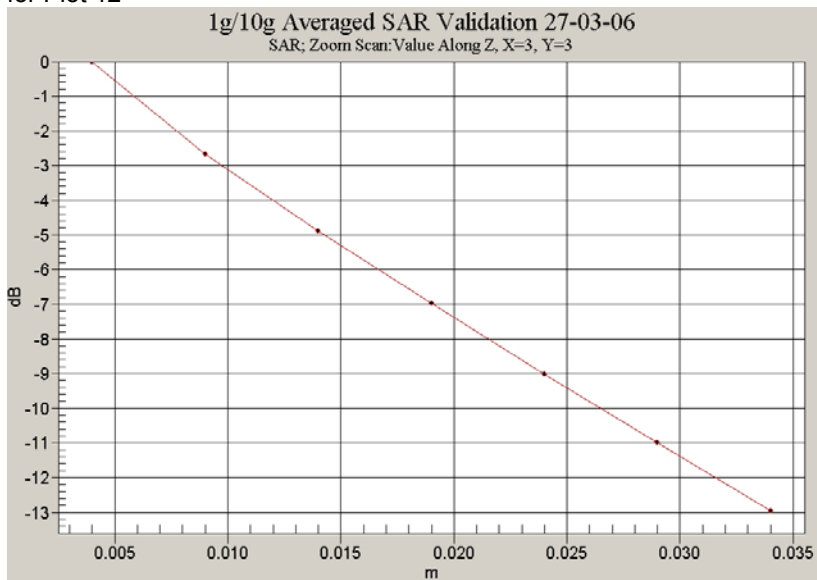
Ambient Temperature
Liquid Temperature
Humidity

21.4 Degrees Celsius
20.8 Degrees Celsius
64.0 %

Z-Axis Graph for Plot 11



Z-Axis Graph for Plot 12



APPENDIX C

SAR TESTING EQUIPMENT CALIBRATION CERTIFICATE ATTACHMENTS

Calibration Certificate Attachments

- | | |
|---|---------|
| 1. 1380 E-Field Probe Calibration Sheet | 9 Pages |
| 2. 1600MHz Dipole Calibration Sheet | 6 pages |