

Test Laboratory: EMC Technologies Pty Ltd

File Name: M030131 - Tait Electronics - 27-Feb-03.da4

DUT: Tait Electronics 450MHz Type & Serial Number: Orca 5010, S/N:14167041

Program: Touch Position Left; Channel 1 Test 5

Communication System: CW 450 MHz; Frequency: 450 MHz; Duty Cycle: 1:1

Medium: FCC 450MHz ($\sigma = 0.86$ mho/m, $\epsilon = 44.54$, $\rho = 1000$ kg/m³)

Phantom section: LeftSection

DASY4 Configuration:

- Probe: ET3DV6 - SN1377; ConvF(7.2, 7.2, 7.2); Calibrated: 6-Sept-2002
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn442; Calibrated: 23-Oct-2002
- Phantom: SAM 12 - TP: 1060
- Software: DASY4, V4.0 Build 51

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm

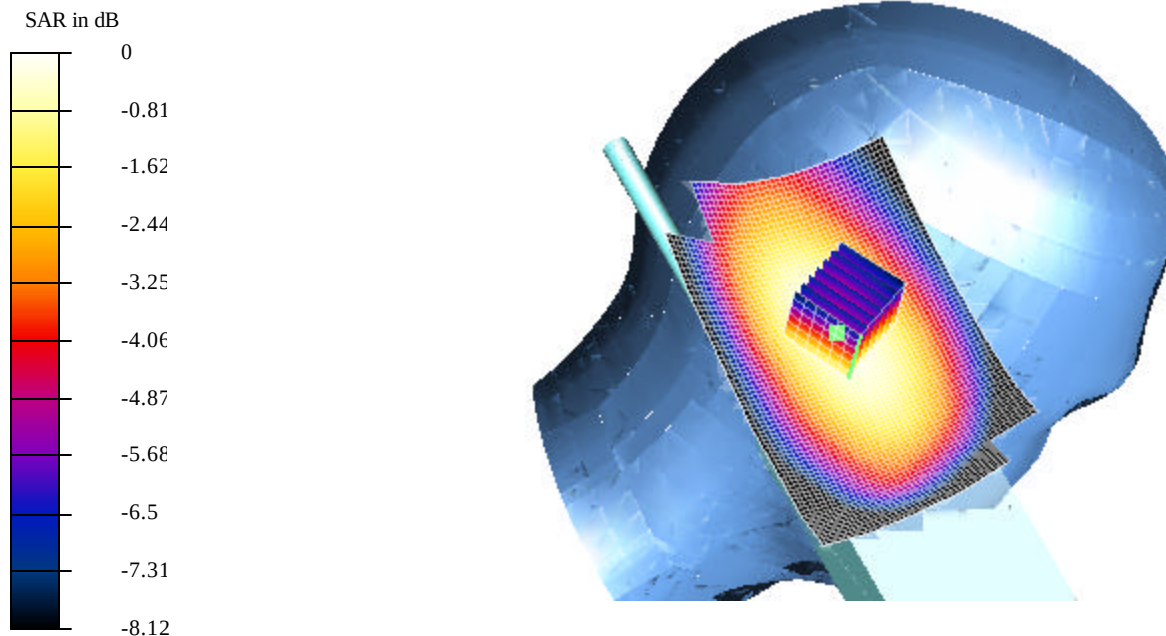
Reference Value = 70.2 V/m

Peak SAR = 5.37 mW/g

SAR(1 g) = 4.08 mW/g; SAR(10 g) = 3.01 mW/g

Power Drift = 0.2 dB

Area Scan (81x51x1): Measurement grid: dx=20mm, dy=20mm

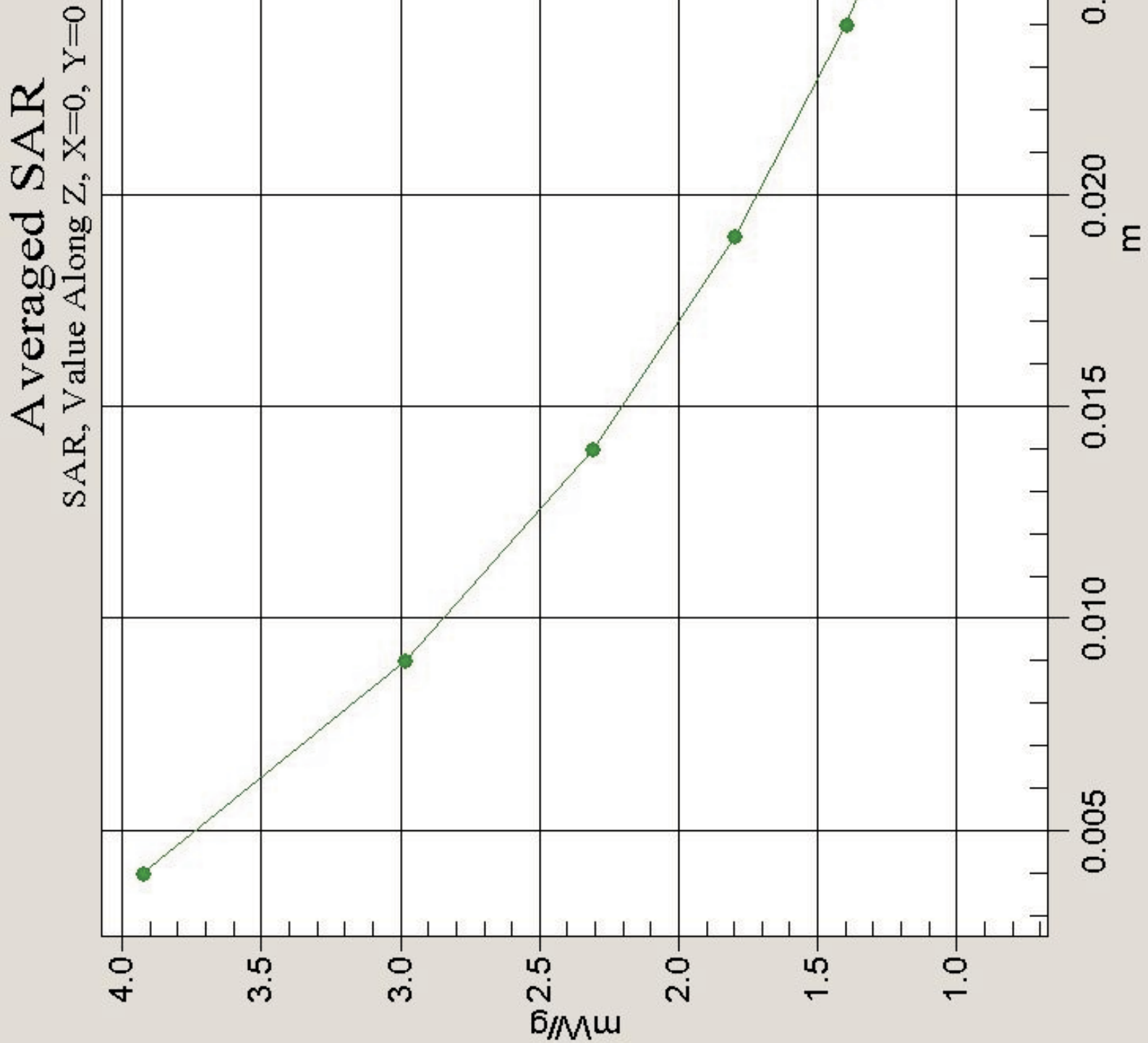


Temperature Ambient = 20.7°C

Liquid = 20.1°C

Humidity = 65%

SAR MEASUREMENT PLOT 1



Test Laboratory: EMC Technologies Pty Ltd

File Name: M030131 - Tait Electronics - 27-Feb-03.da4

DUT: Tait Electronics 450MHz Type & Serial Number: Orca5010, S/N:14167041

Program: Touch Position Left; Channel 2 Test 4

Communication System: CW 450 MHz; Frequency: 490 MHz; Duty Cycle: 1:1

Medium: FCC 450MHz ($\sigma = 0.86$ mho/m, $\epsilon = 44.54$, $\rho = 1000$ kg/m³)

Phantom section: LeftSection

DASY4 Configuration:

- Probe: ET3DV6 - SN1377; ConvF(7.2, 7.2, 7.2); Calibrated: 6-Sept-2002
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn442; Calibrated: 23-Oct-2002
- Phantom: SAM 12 - TP: 1060
- Software: DASY4, V4.0 Build 51

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm

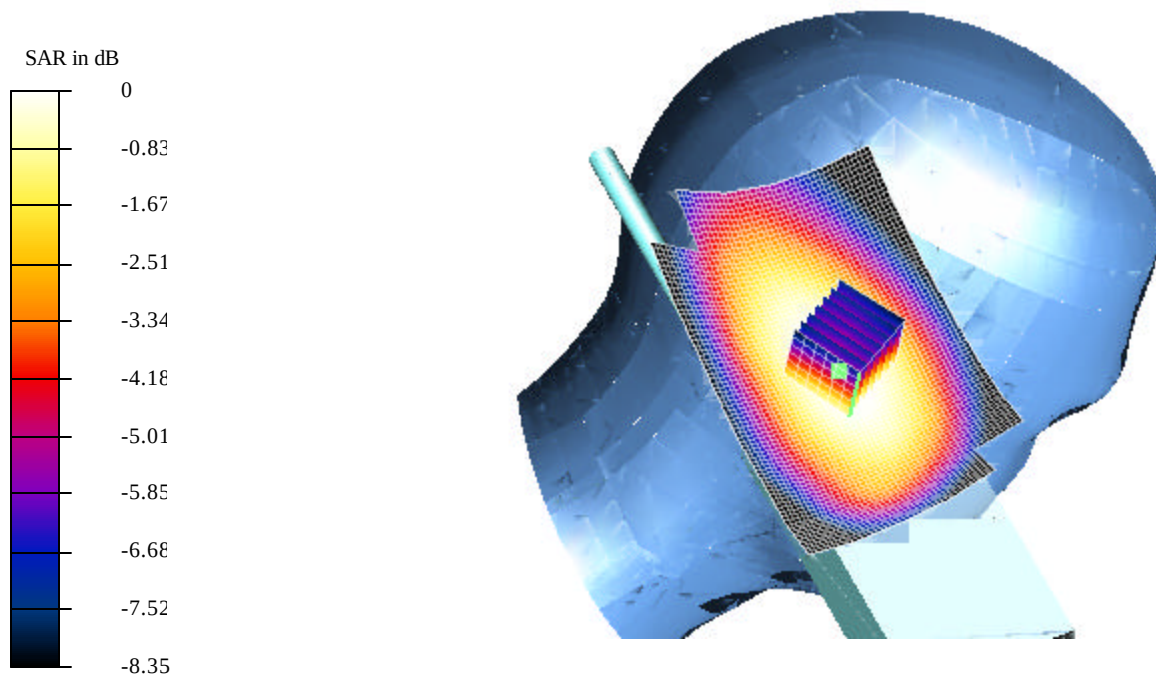
Reference Value = 90.9 V/m

Peak SAR = 8.12 mW/g

SAR(1 g) = 6.12 mW/g; SAR(10 g) = 4.47 mW/g

Power Drift = -0.5 dB

Area Scan (81x51x1): Measurement grid: dx=20mm, dy=20mm



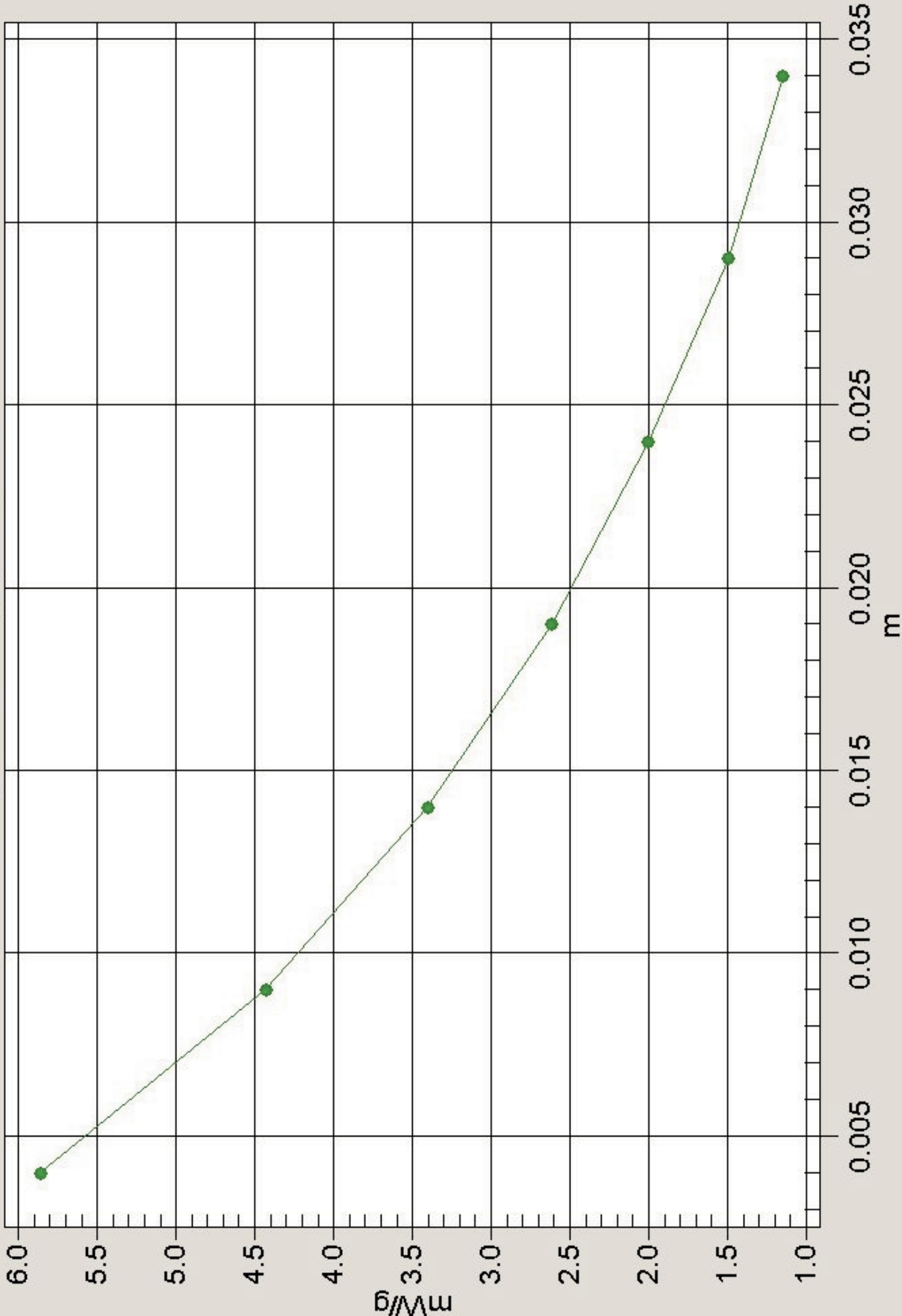
Temperature Ambient = 20.7°C

Liquid = 20.1°C

Humidity = 65%

SAR MEASUREMENT PLOT 2

Averaged SAR
SAR, Value Along Z, X=0, Y=0



Test Laboratory: EMC Technologies Pty Ltd

File Name: M030131 - Tait Electronics - 27-Feb-03.da4

DUT: Tait Electronics 450MHz Type & Serial Number: Orca 5010, S/N:14167041

Program: Touch Position Left; Channel 3 Test 1

Communication System: CW 450 MHz; Frequency: 530 MHz; Duty Cycle: 1:1

Medium: FCC 450MHz ($\sigma = 0.86$ mho/m, $\epsilon = 44.54$, $\rho = 1000$ kg/m³)

Phantom section: LeftSection

DASY4 Configuration:

- Probe: ET3DV6 - SN1377; ConvF(7.2, 7.2, 7.2); Calibrated: 6-Sept-2002

- Sensor-Surface: 4mm (Mechanical Surface Detection)

- Electronics: DAE3 Sn442; Calibrated: 23-Oct-2002

- Phantom: SAM 12 - TP: 1060

- Software: DASY4, V4.0 Build 51

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm

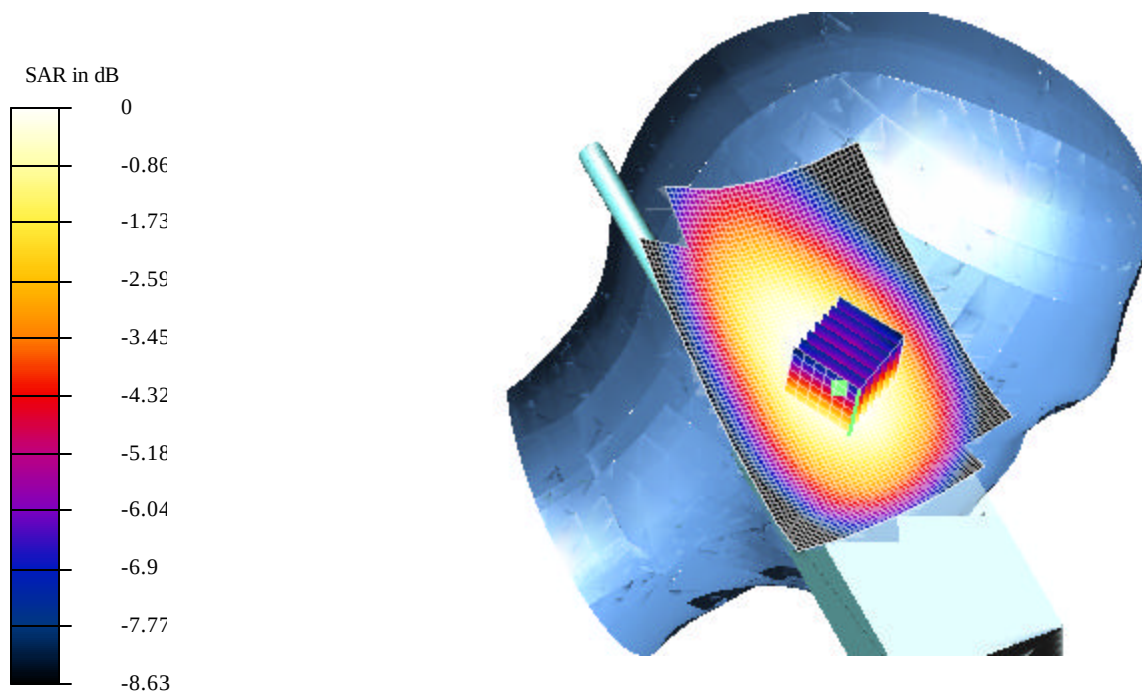
Reference Value = 116 V/m

Peak SAR = 13.4 mW/g

SAR(1 g) = 10.1 mW/g; SAR(10 g) = 7.29 mW/g

Power Drift = -0.7 dB

Area Scan (81x51x1): Measurement grid: dx=20mm, dy=20mm



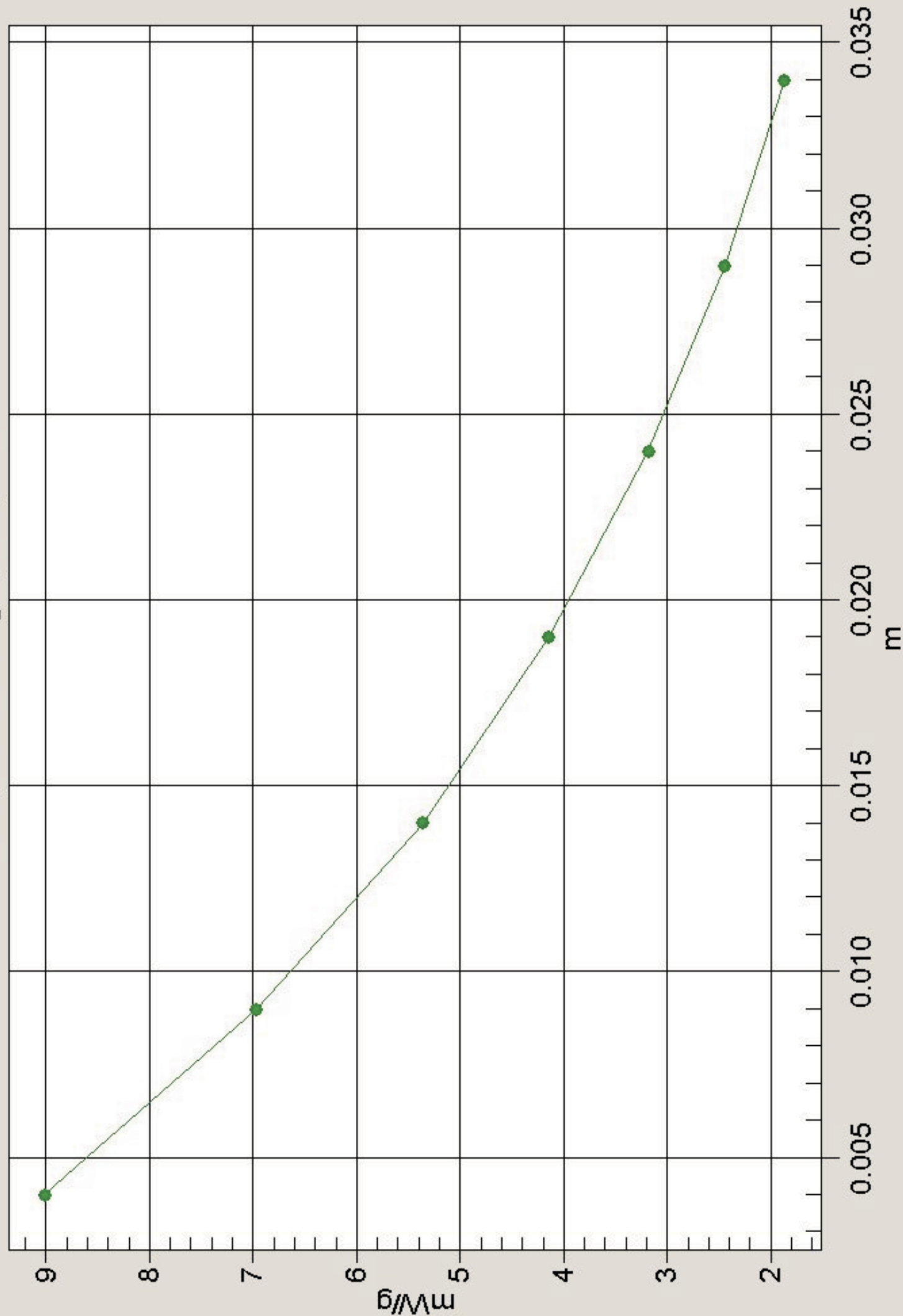
Temperature Ambient = 20.7°C

Liquid = 20.1°C

Humidity = 65%

SAR MEASUREMENT PLOT 3

Averaged SAR
SAR, Value Along Z, X=0, Y=0



Test Laboratory: EMC Technologies Pty Ltd

File Name: M030131 - Tait Electronics - Touch Position Left -27-Feb-03.da4

DUT: Tait Electronics 450MHz Type & Serial Number: Orca 5010, S/N:14167041

Program: Touch Left Position; Channel 3 With the Battery Supplemented By 7.5V DC Supply Test 5

Communication System: CW 450 MHz; Frequency: 530 MHz; Duty Cycle: 1:1

Medium: FCC 450MHz Head ($\sigma = 0.86 \text{ mho/m}$ = 44.54, $\rho = 1000 \text{ kg/m}^3$)

Phantom section: LeftSection

DASY4 Configuration:

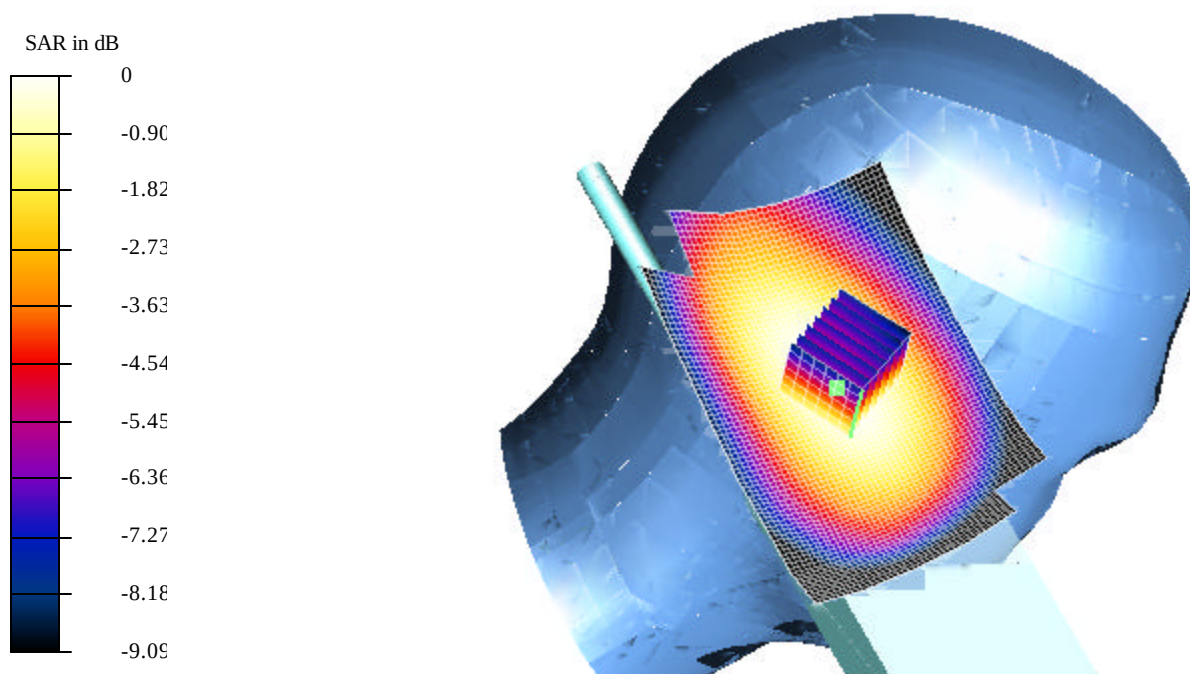
- Probe: ET3DV6 - SN1377; ConvF(7.2, 7.2, 7.2); Calibrated: 6 Sept 2002
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn442; Calibrated: 23 Oct 2002
- Phantom: SAM 12 - TP: 1060
- Software: DASY4, V4.0 Build 51

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm

SAR(1 g) = 6.46 mW/g; SAR(10 g) = 4.67 mW/g

Power Drift = 0.0007 dB

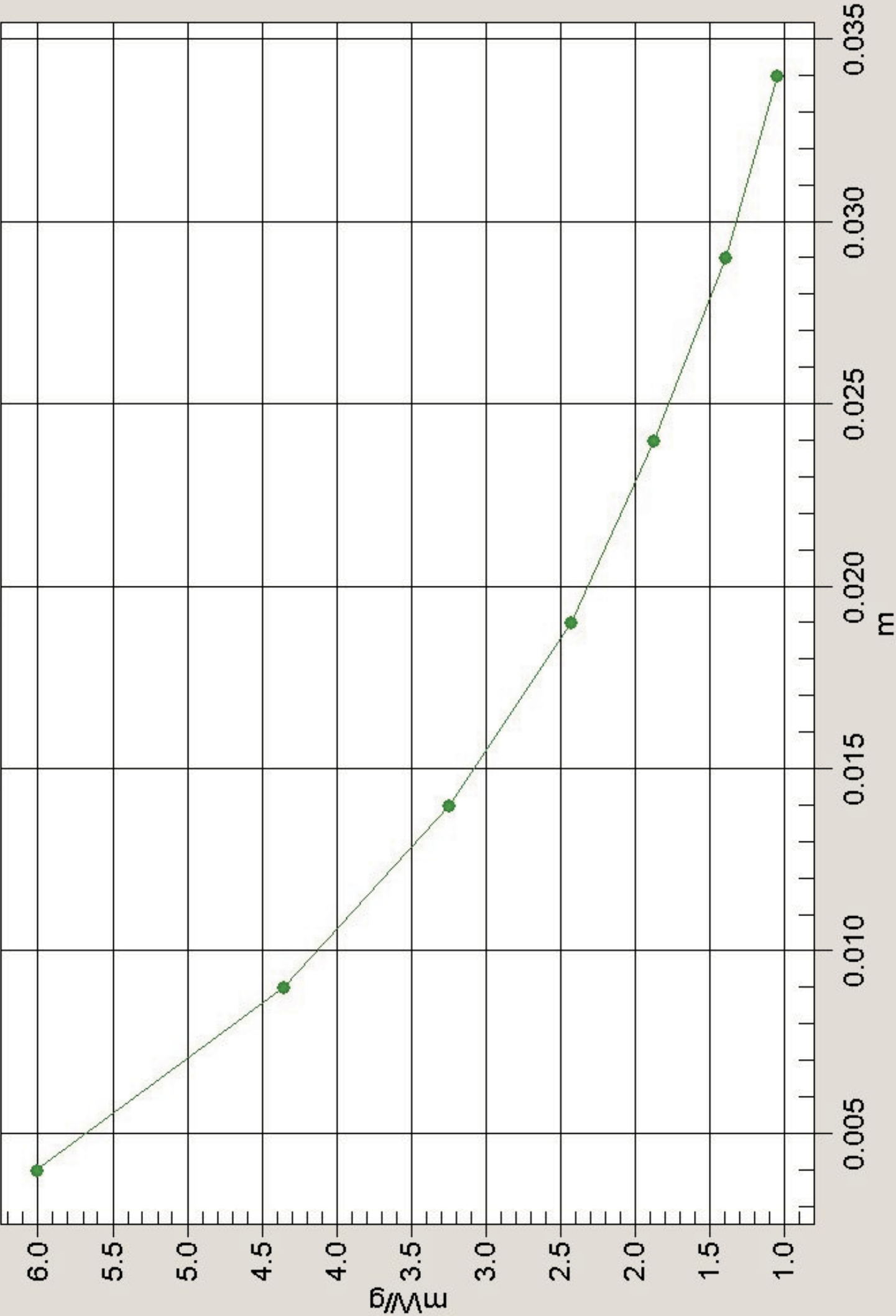
Area Scan (81x51x1): Measurement grid: dx=20mm, dy=20mm



Temperature Ambient = 20.7°C Liquid = 20.1°C Humidity = 65%

SAR MEASUREMENT PLOT 4

Averaged SAR
SAR, Value Along Z, X=0, Y=0



Test Laboratory: EMC Technologies Pty Ltd

File Name: M030131 - Tait Electronics - 27-Feb-03.da4

DUT: Tait Electronics 450MHz Type & Serial Number: Orca 5010, S/N:14167041

Program: Touch Position Right; Channel 1 Test 1

Communication System: CW 450 MHz; Frequency: 450 MHz; Duty Cycle: 1:1

Medium: FCC 450MHz ($\sigma = 0.84$ mho/m, $\epsilon = 43.84$, $\rho = 1000$ kg/m³)

Phantom section: RightSection

DASY4 Configuration:

- Probe: ET3DV6 - SN1377; ConvF(7.2, 7.2, 7.2); Calibrated: 6-Sept-2002

- Sensor-Surface: 4mm (Mechanical Surface Detection)

- Electronics: DAE3 Sn442; Calibrated: 23-Oct-2002

- Phantom: SAM 12 - TP: 1060

- Software: DASY4, V4.0 Build 51

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm

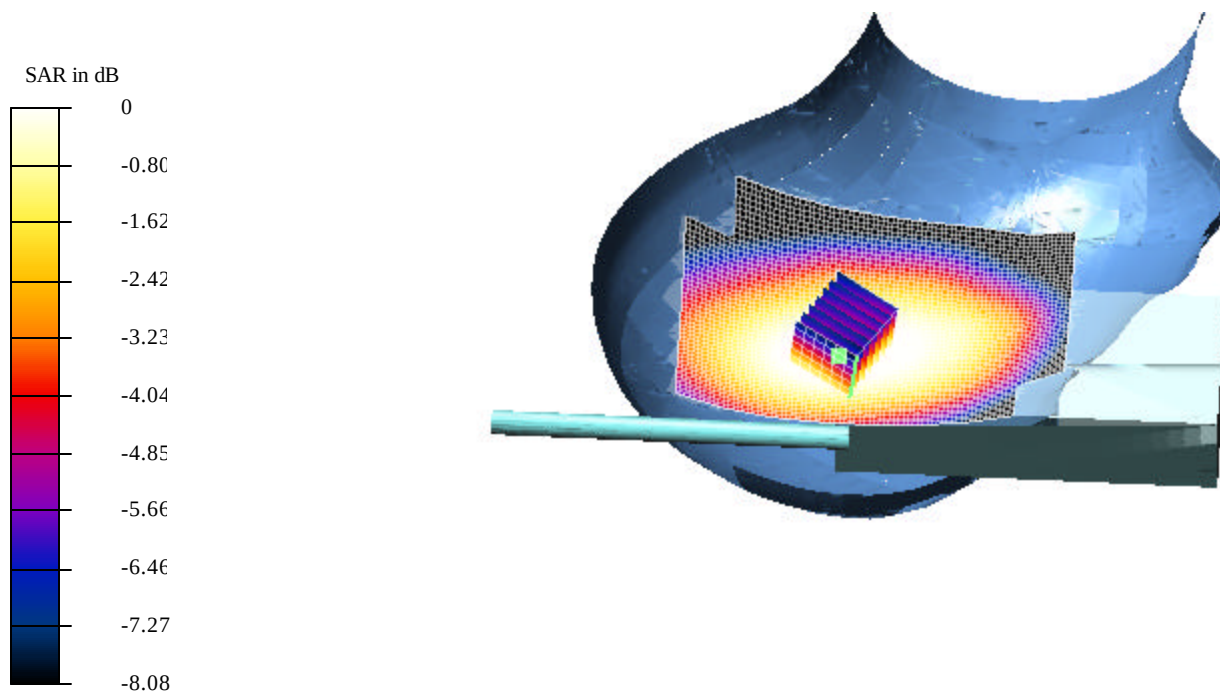
Reference Value = 64.4 V/m

Peak SAR = 3.8 mW/g

SAR(1 g) = 2.87 mW/g; SAR(10 g) = 2.11 mW/g

Power Drift = -1 dB

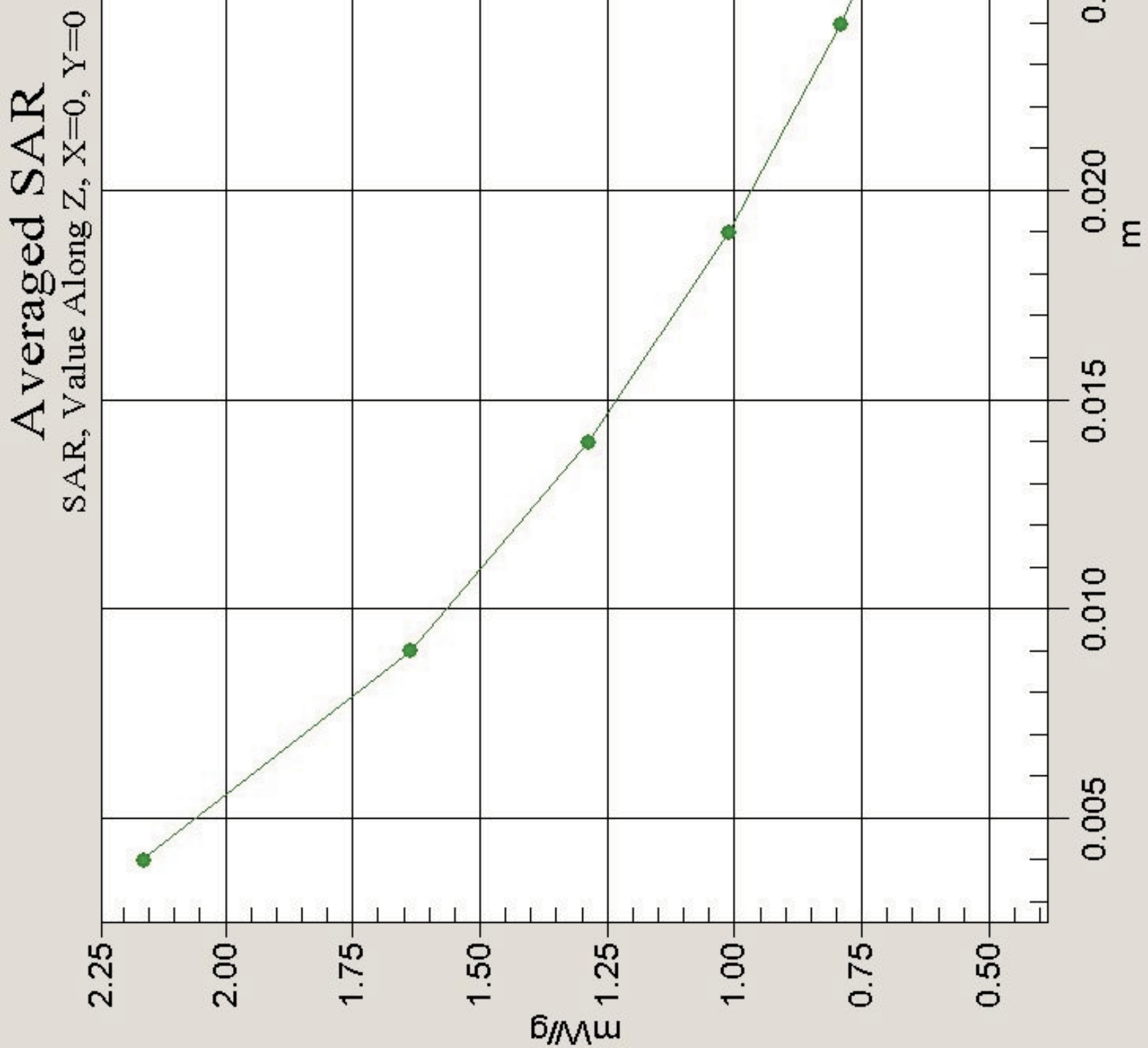
Area Scan (81x51x1): Measurement grid: dx=20mm, dy=20mm



Temperature Ambient = 20.7°C

Liquid = 20.1°C

Humidity = 65%



Test Laboratory: EMC Technologies Pty Ltd

File Name: M030131 - Tait Electronics - 27-Feb-03.da4

DUT: Tait Electronics 450MHz Type & Serial Number: Orca 5010, S/N:14167041

Program: Touch Position Right; Channel 2 Test 1

Communication System: CW 450 MHz; Frequency: 490 MHz; Duty Cycle: 1:1

Medium: FCC 450MHz ($\sigma = 0.84$ mho/m, $\epsilon = 43.84$, $\rho = 1000$ kg/m³)

Phantom section: RightSection

DASY4 Configuration:

- Probe: ET3DV6 - SN1377; ConvF(7.2, 7.2, 7.2); Calibrated: 6-Sept-2002
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn442; Calibrated: 23-Oct-2002
- Phantom: SAM 12 - TP: 1060
- Software: DASY4, V4.0 Build 51

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm

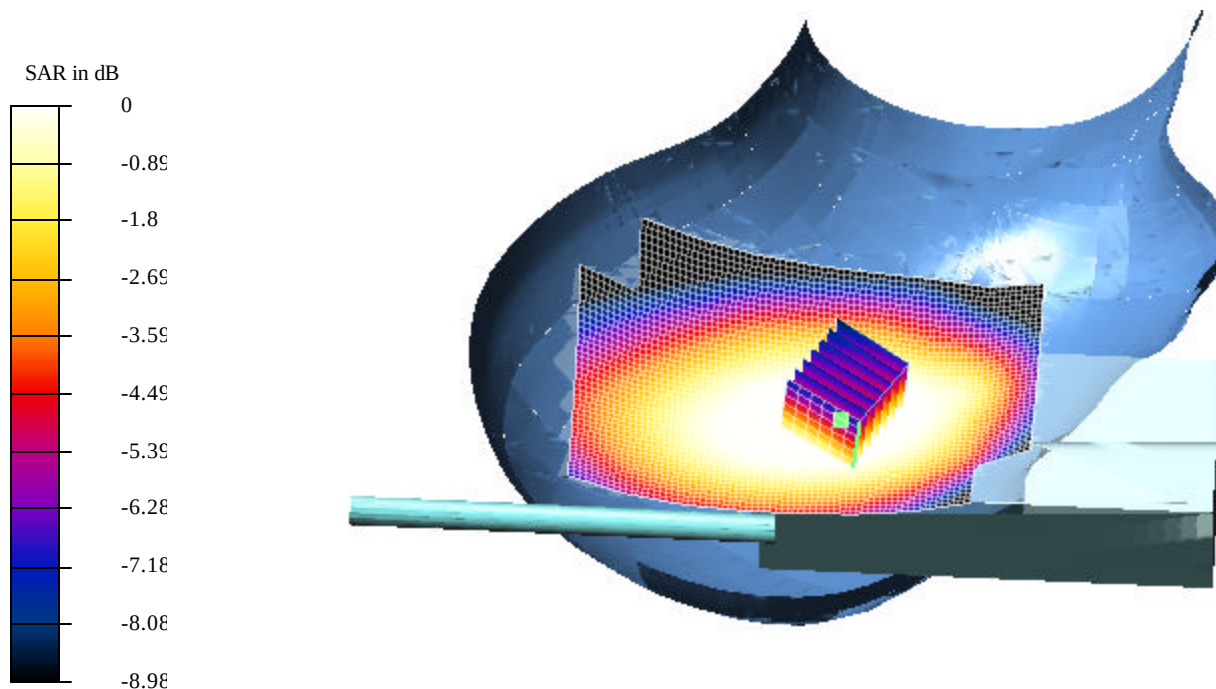
Reference Value = 93.9 V/m

Peak SAR = 8.08 mW/g

SAR(1 g) = 6.01 mW/g; SAR(10 g) = 4.39 mW/g

Power Drift = -2 dB

Area Scan (81x51x1): Measurement grid: dx=20mm, dy=20mm



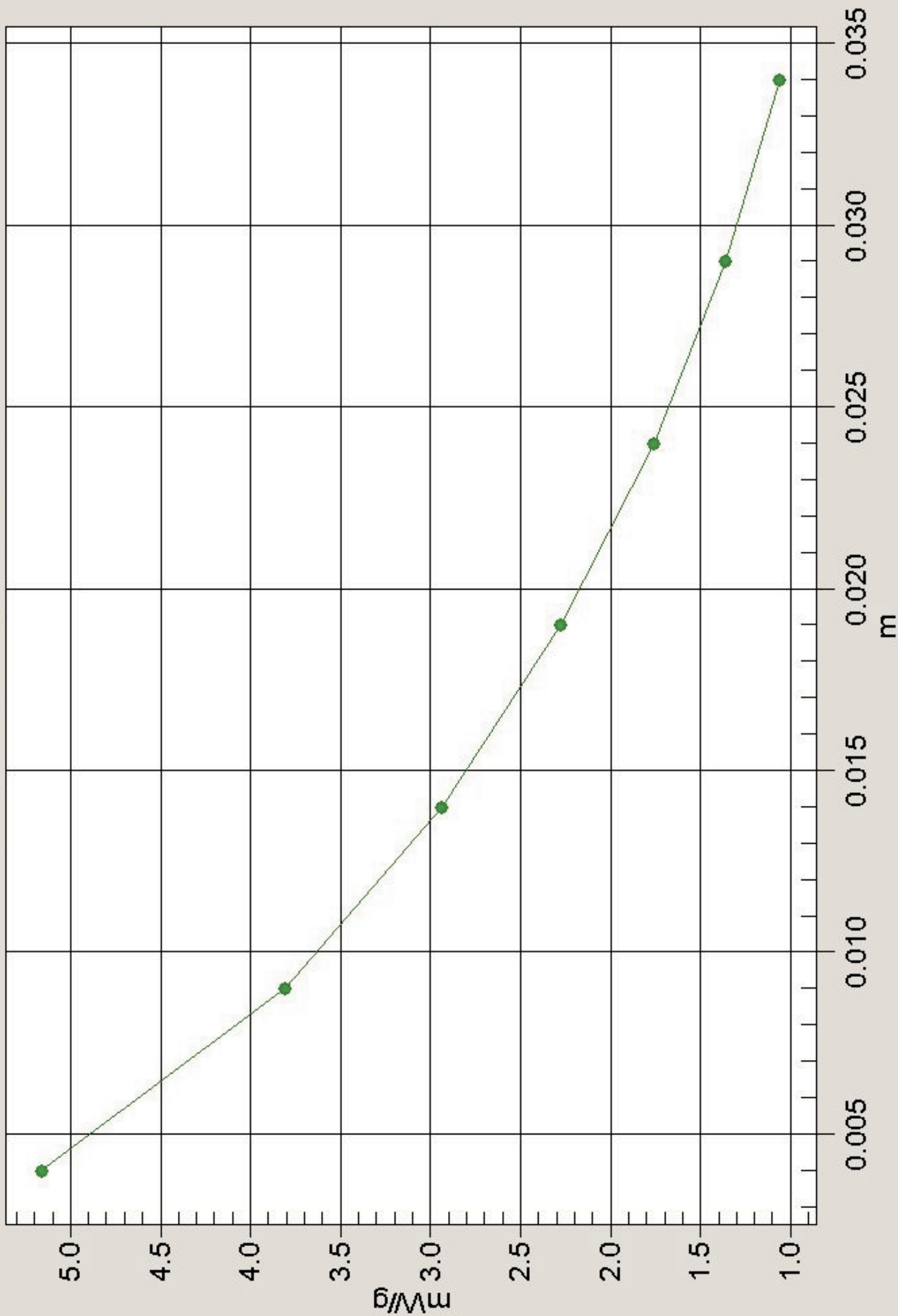
Temperature Ambient = 20.7°C

Liquid = 20.1°C

Humidity = 65%

SAR MEASUREMENT PLOT 6

Averaged SAR
SAR, Value Along Z, X=0, Y=0



Test Laboratory: EMC Technologies Pty Ltd

File Name: M030131 - Tait Electronics - 27-Feb-03.da4

DUT: Tait Electronics 450MHz Type & Serial Number: Orca 5010, S/N:14167041

Program: Touch Position Right; Channel 3 Test 1

Communication System: CW 450 MHz; Frequency: 530 MHz; Duty Cycle: 1:1

Medium: FCC 450MHz ($\sigma = 0.84$ mho/m, $\epsilon = 43.84$, $\rho = 1000$ kg/m³)

Phantom section: RightSection

DASY4 Configuration:

- Probe: ET3DV6 - SN1377; ConvF(7.2, 7.2, 7.2); Calibrated: 6-Sept-2002
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn442; Calibrated: 23-Oct-2002
- Phantom: SAM 12 - TP: 1060
- Software: DASY4, V4.0 Build 51

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm

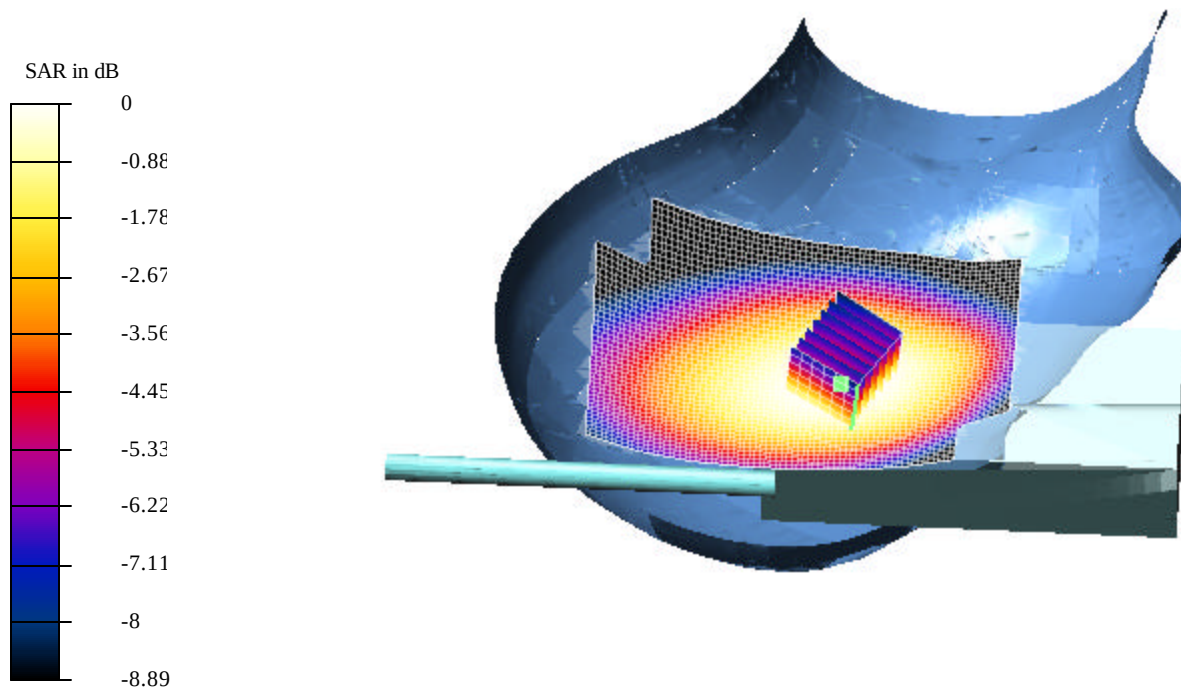
Reference Value = 105 V/m

Peak SAR = 13.3 mW/g

SAR(1 g) = 10 mW/g; SAR(10 g) = 7.24 mW/g

Power Drift = -0.5 dB

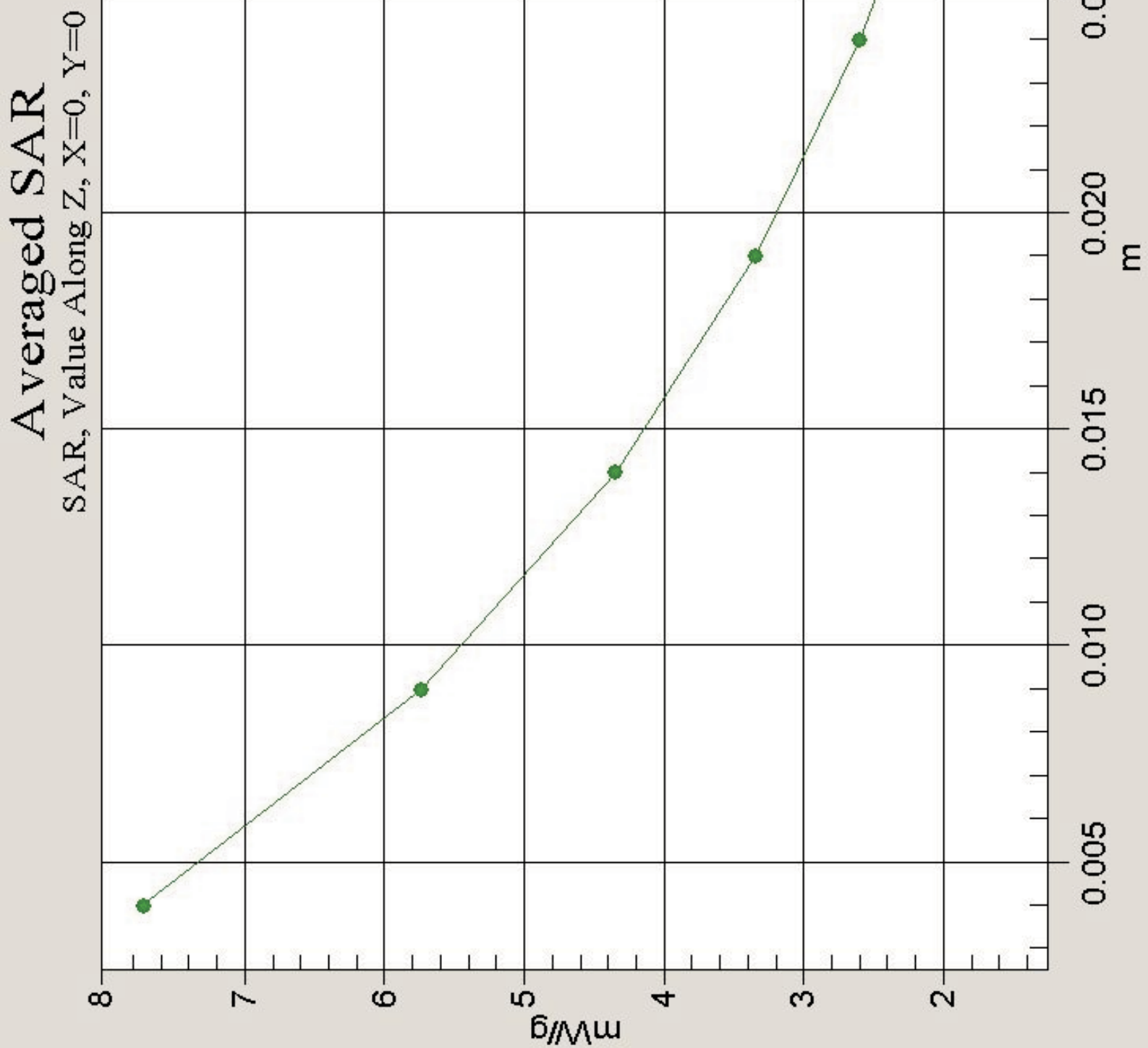
Area Scan (81x51x1): Measurement grid: dx=20mm, dy=20mm



Temperature Ambient = 20.7°C

Liquid = 20.1°C

Humidity = 65%



Test Laboratory: EMC Technologies Pty Ltd

File Name: M030131 - Tait Electronics - Touch Position Right - 27-Feb-03 Test 3.da4

DUT: Tait Electronics 450MHz Type & Serial Number: Orca 5010, S/N:14167041

Program: Touch Right Position; Channel 3 With the Battery Supplemented By 7.5V DC Supply Test 3

Communication System: CW 450 MHz; Frequency: 530 MHz; Duty Cycle: 1:1

Medium: FCC 450MHz Head ($\sigma = 0.86 \text{ mho/m}$, $\epsilon = 44.54$, $\rho = 1000 \text{ kg/m}^3$)

Phantom section: RightSection

DASY4 Configuration:

- Probe: ET3DV6 - SN1377; ConvF(7.2, 7.2, 7.2); Calibrated: 6-Sept-2002

- Sensor-Surface: 4mm (Mechanical Surface Detection)

- Electronics: DAE3 Sn442; Calibrated: 23-Oct-2002

- Phantom: SAM 12 - TP: 1060

- Software: DASY4, V4.0 Build 51

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm

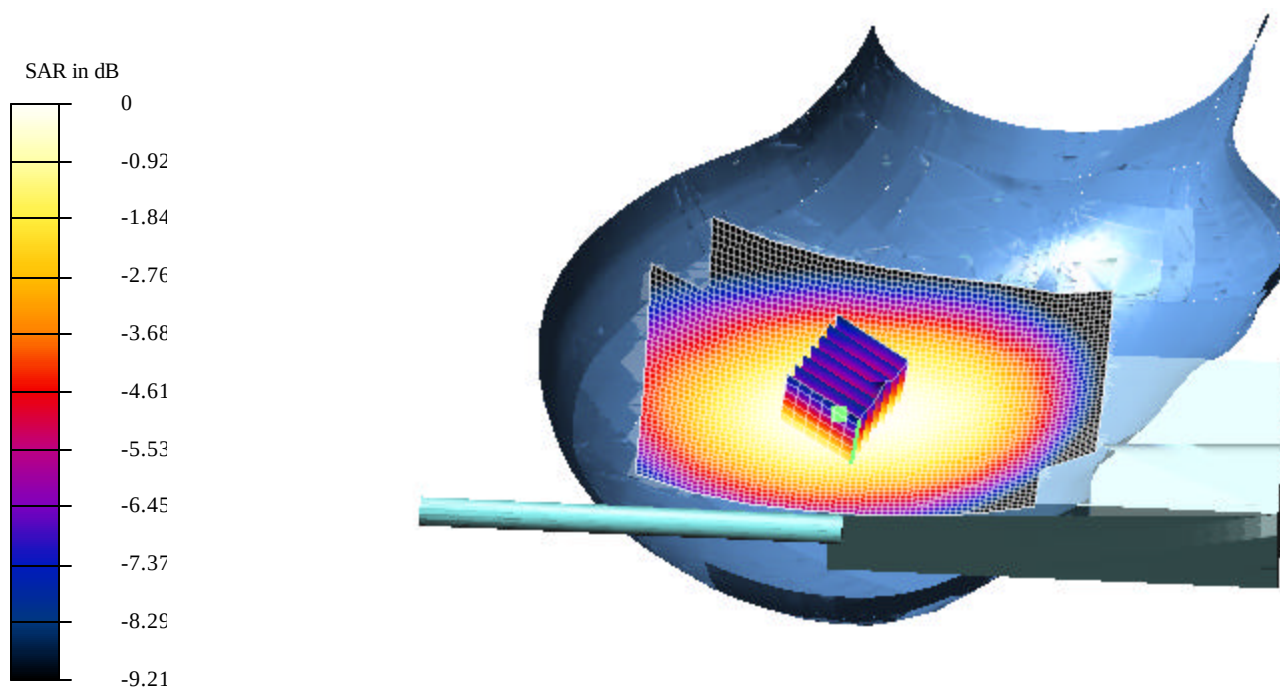
Reference Value = 91.2 V/m

Peak SAR = 9.51 mW/g

SAR(1 g) = 6.91 mW/g; SAR(10 g) = 4.93 mW/g

Power Drift = 0.03 dB

Area Scan (81x51x1): Measurement grid: dx=20mm, dy=20mm



Temperature Ambient = 20.7°C

Liquid = 20.1°C

Humidity = 65%

