

Test Laboratory: EMC Technologies Pty Ltd

File Name: M030131 - Tait Electronics - 28-Feb-03.da4

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

Program: Tilted Position Left; 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: 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

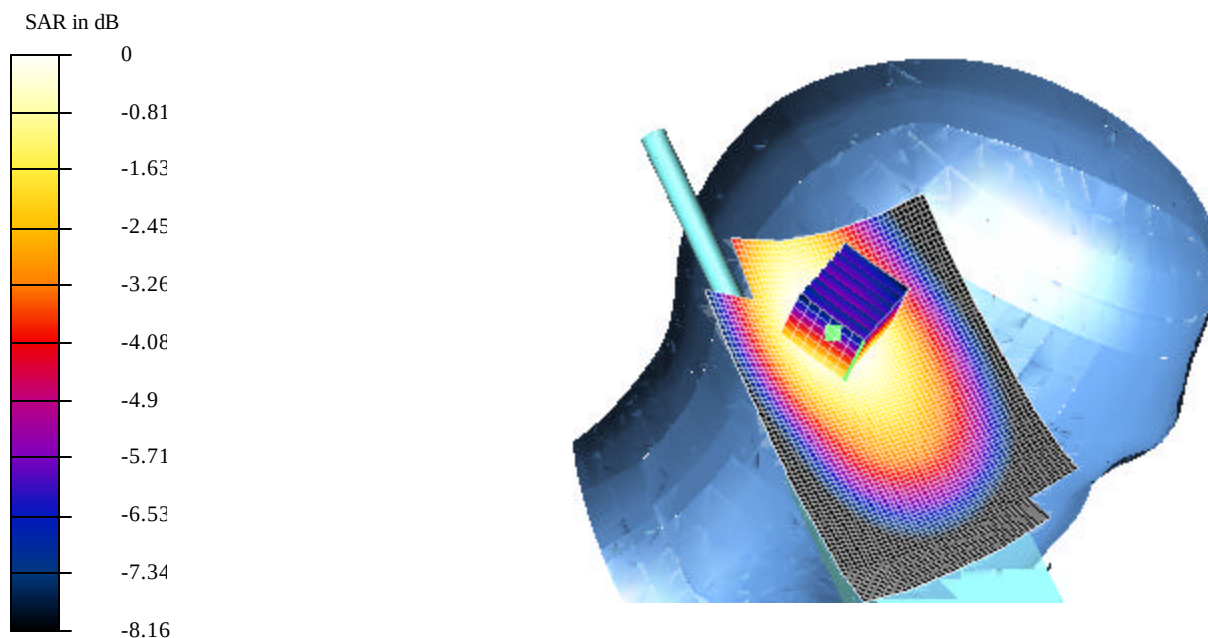
Reference Value = 58.7 V/m

Peak SAR = 4.41 mW/g

SAR(1 g) = 3.15 mW/g; SAR(10 g) = 2.26 mW/g

Power Drift = -1 dB

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

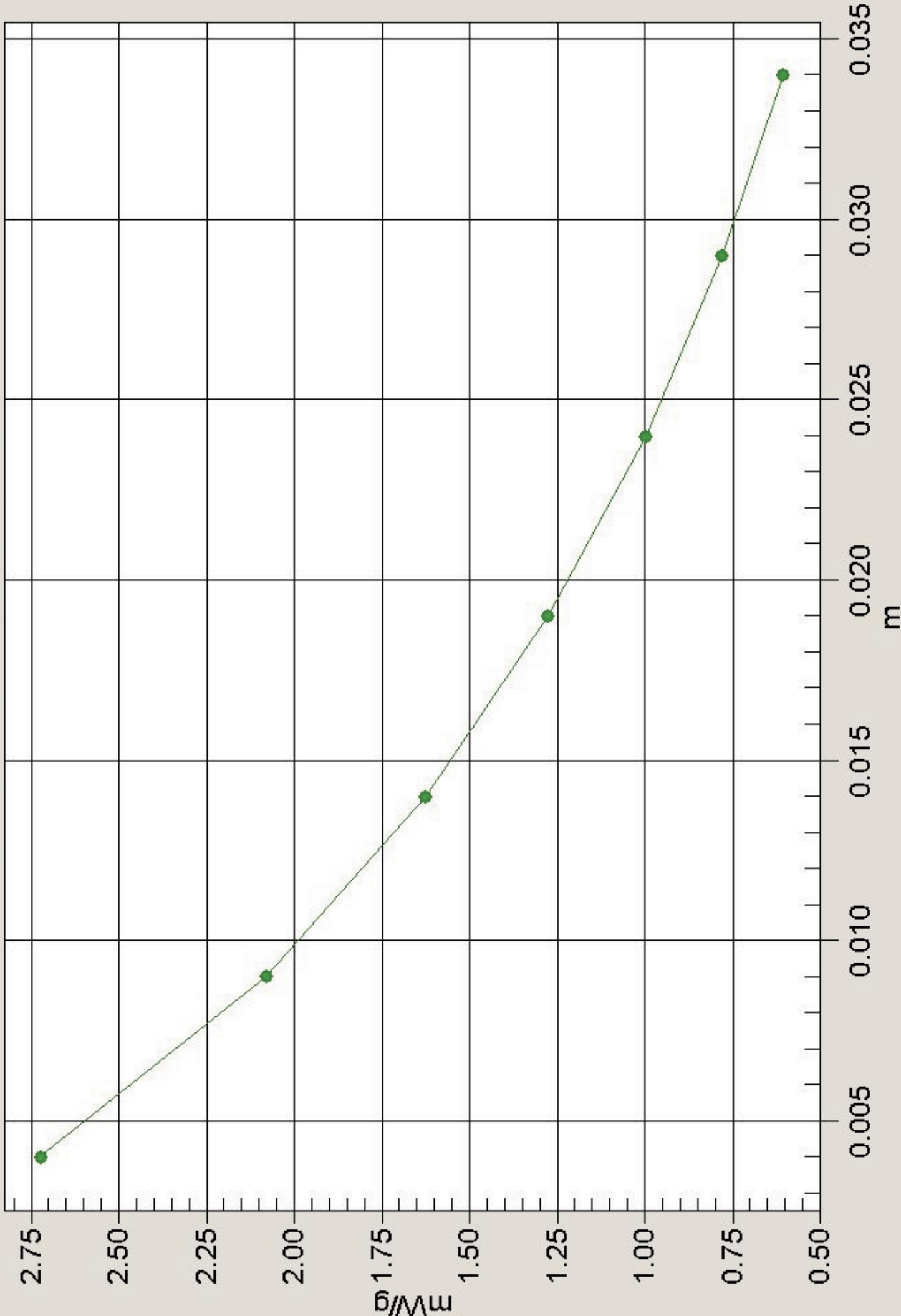


Temperature Ambient = 21.2°C

Liquid = 20.2°C

Humidity = 59%

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



Test Laboratory: EMC Technologies Pty Ltd

File Name: M030131 - Tait Electronics - 28-Feb-03.da4

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

Program: Tilted Position Left; Channel 2 test 1

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

Medium: FCC 450MHz ($\sigma = 0.85$ mho/m, $\epsilon = 43.88$, $\rho = 1000$ 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

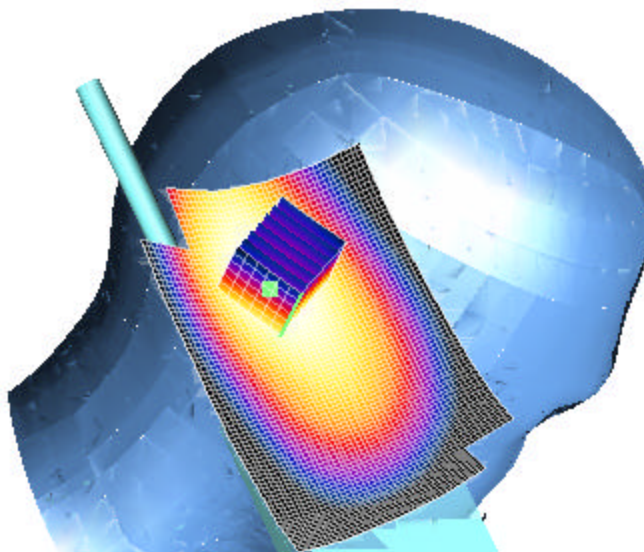
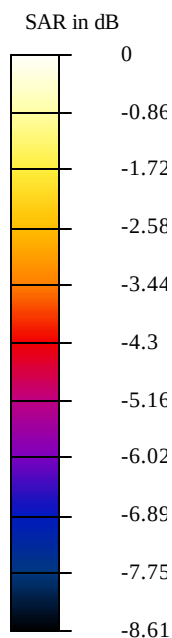
Reference Value = 93 V/m

Peak SAR = 11.7 mW/g

SAR(1 g) = 8.14 mW/g; SAR(10 g) = 5.71 mW/g

Power Drift = -0.8 dB

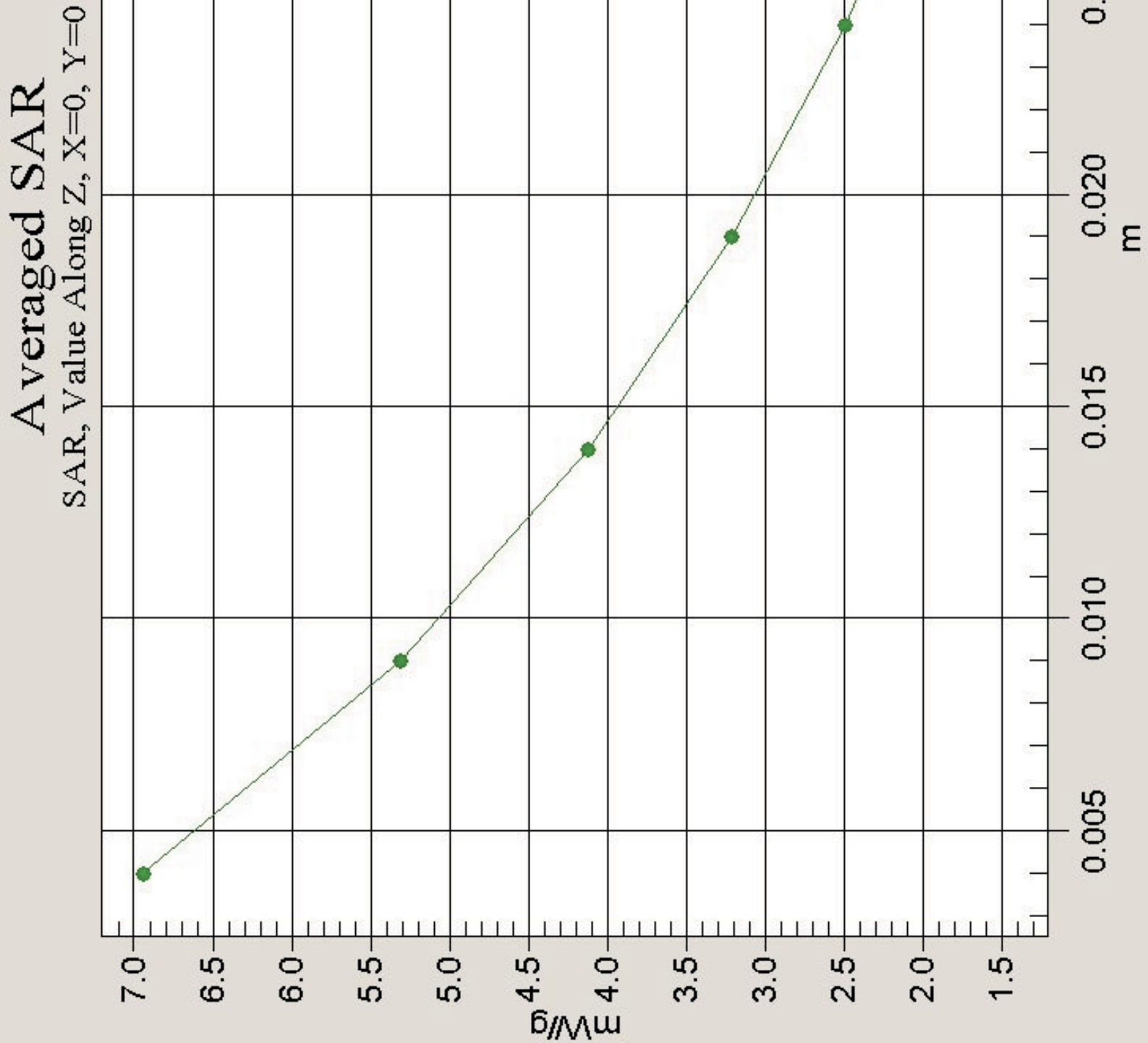
Area Scan (81x51x1): Measurement grid: dx=20mm, dy=20mm



Temperature Ambient = 21.2°C

Liquid = 20.2°C

Humidity = 59%



Test Laboratory: EMC Technologies Pty Ltd

File Name: M030131 - Tait Electronics - 28-Feb-03.da4

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

Program: Tilted Position Left; Channel 3 Test 1

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

Medium: FCC 450MHz ($\sigma = 0.85$ mho/m, $\epsilon = 43.88$, $\rho = 1000$ 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

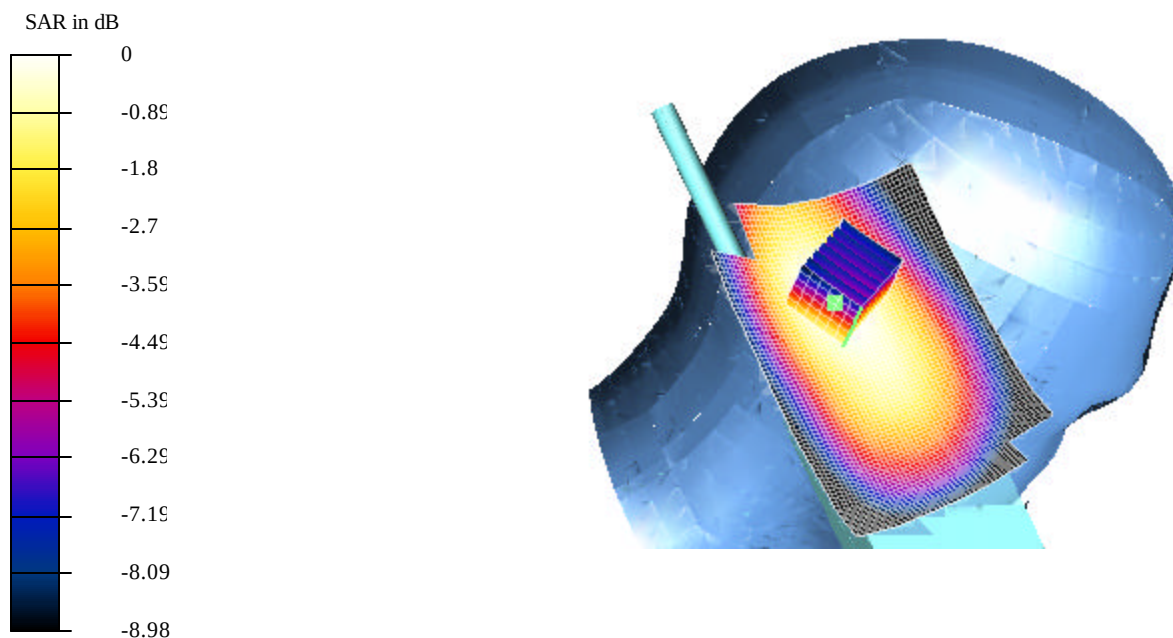
Reference Value = 105 V/m

Peak SAR = 14.1 mW/g

SAR(1 g) = 9.61 mW/g; SAR(10 g) = 6.74 mW/g

Power Drift = -0.8 dB

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

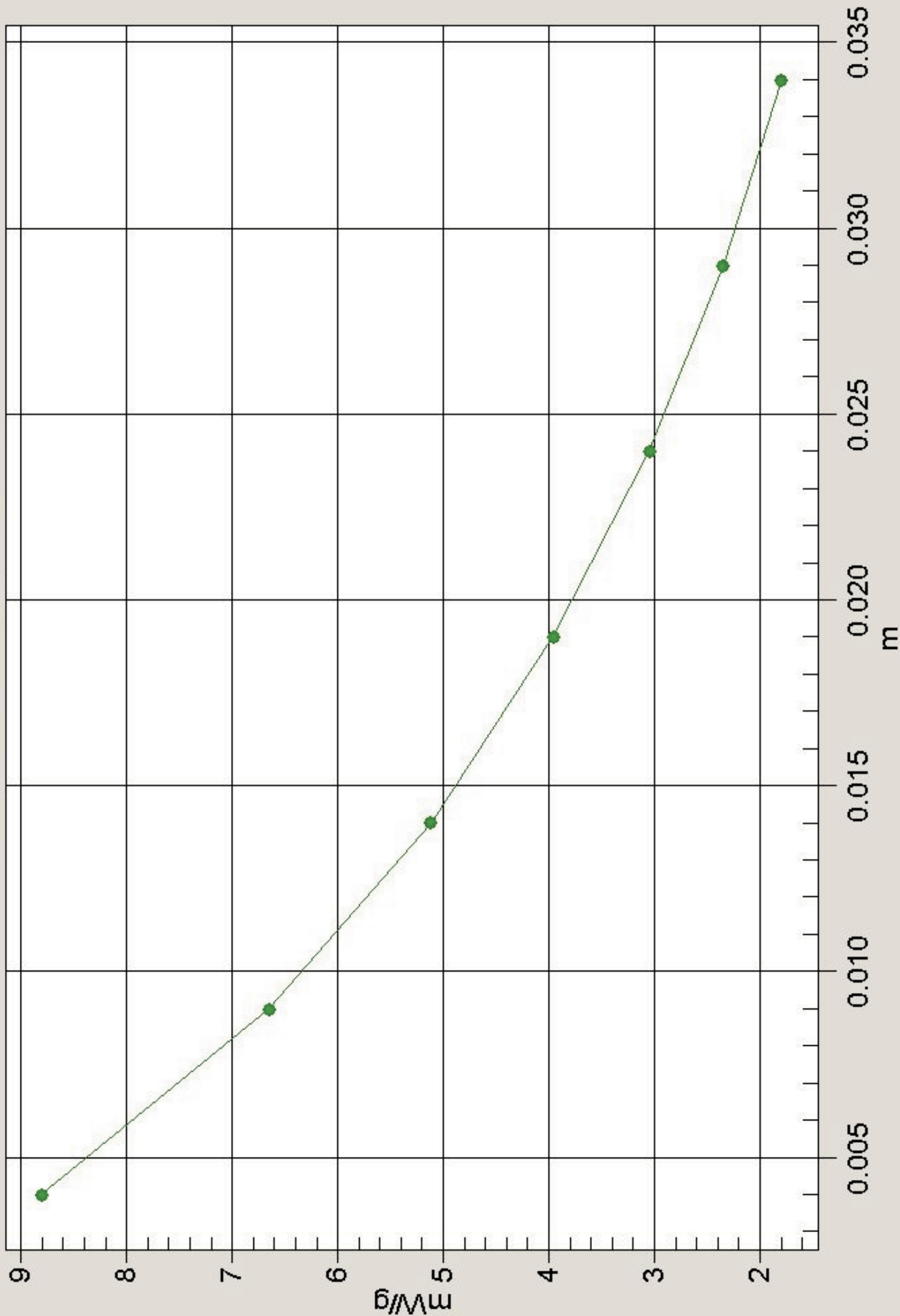


Temperature Ambient = 21.2°C

Liquid = 20.2°C

Humidity = 59%

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



Test Laboratory: EMC Technologies Pty Ltd

File Name: M030131 - Tait Electronics - Tilted Position Left - 28-Feb-03 Test 4.da4

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

Program: Tilted Left Position; Channel 3 With the Battery Supplemented By 7.5V DC Supply Test 4

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

Medium: FCC 450MHz Head ($\sigma = 0.84 \text{ mho/m}$, $\epsilon = 43.84$, $\rho = 1000 \text{ kg/m}^3$)

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

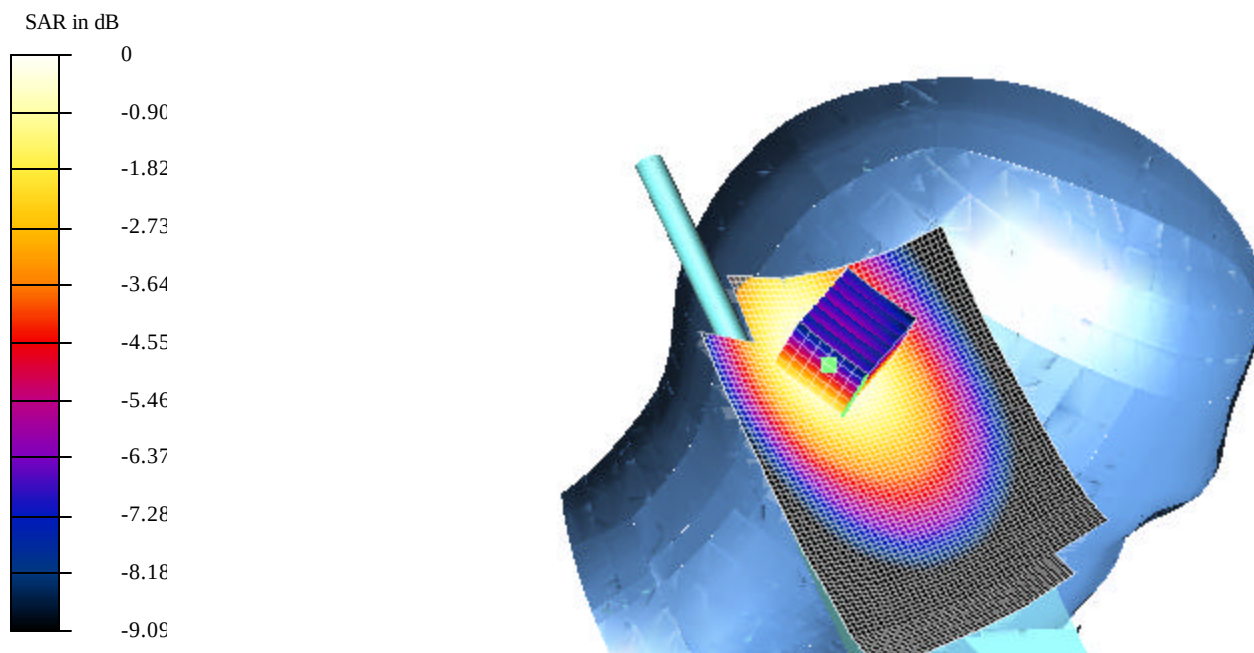
Reference Value = 72.1 V/m

Peak SAR = 11.1 mW/g

SAR(1 g) = 7.66 mW/g; SAR(10 g) = 5.32 mW/g

Power Drift = -0.1 dB

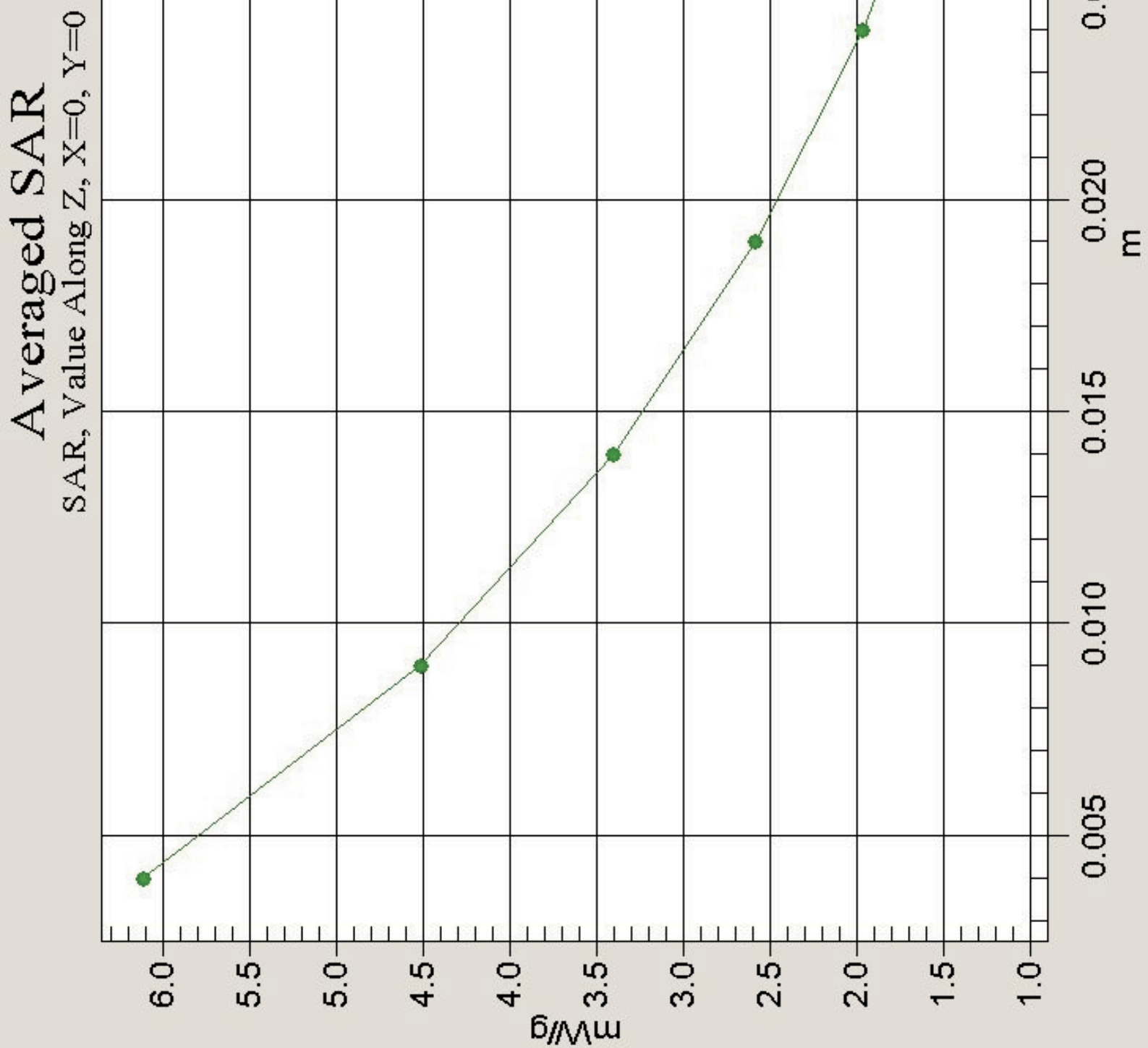
Area Scan (81x51x1): Measurement grid: dx=20mm, dy=20mm



Temperature Ambient = 21.2°C

Liquid = 20.2°C

Humidity = 59%



Test Laboratory: EMC Technologies Pty Ltd

File Name: M030131 - Tait Electronics - 28-Feb-03.da4

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

Program: Tilted Position Right; Channel 1 Test 2

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

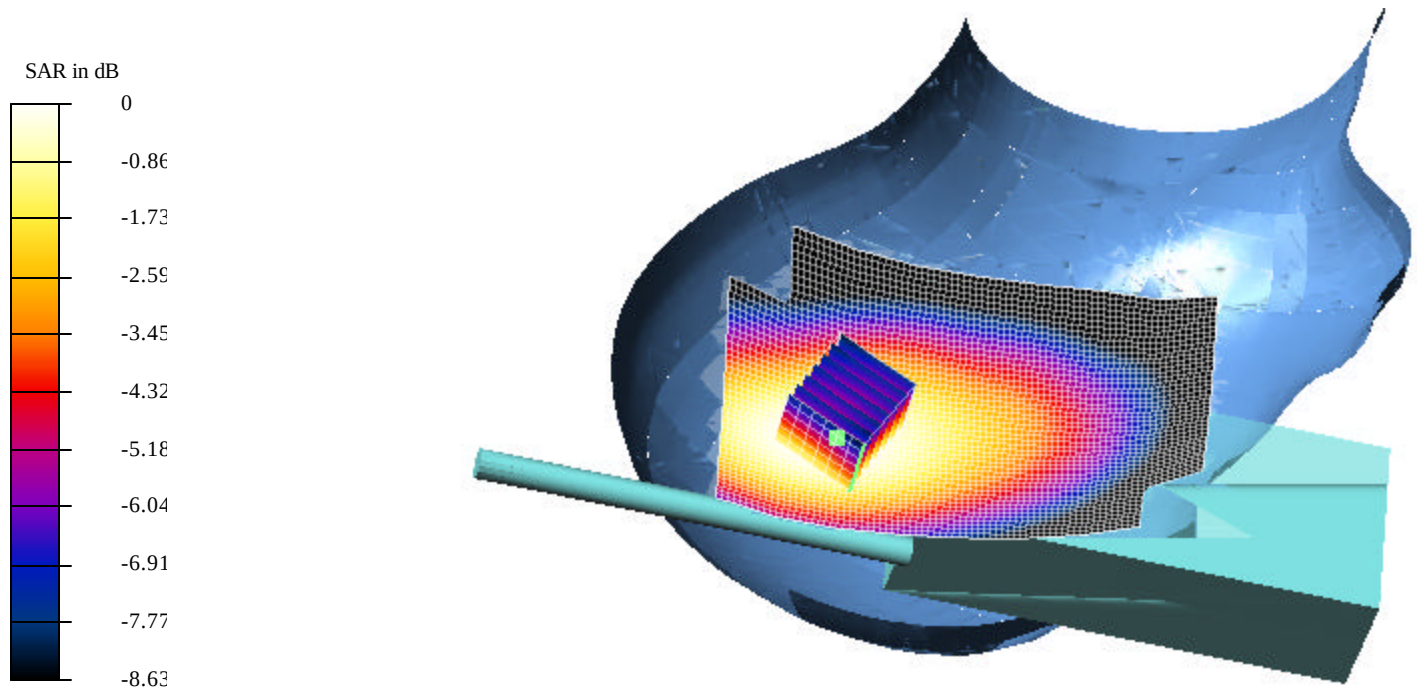
Reference Value = 57.9 V/m

Peak SAR = 4.58 mW/g

SAR(1 g) = 3.24 mW/g; SAR(10 g) = 2.27 mW/g

Power Drift = -1 dB

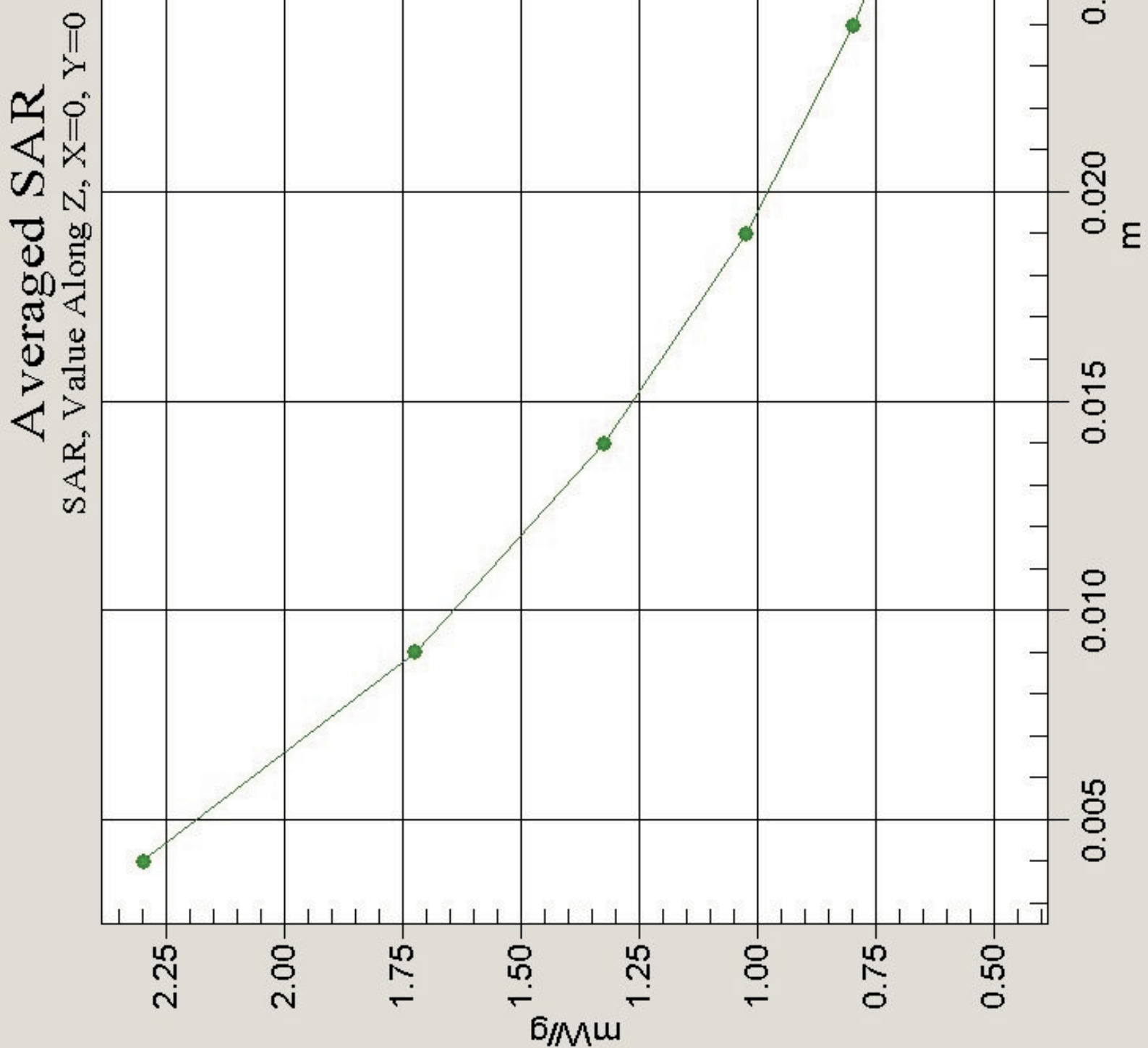
Area Scan (81x51x1): Measurement grid: dx=20mm, dy=20mm



Temperature Ambient = 21.2°C

Liquid = 20.2°C

Humidity = 59%



Test Laboratory: EMC Technologies Pty Ltd

File Name: M030131 - Tait Electronics - Tilted Position Right - 28-Feb-03.da4

DUT: Tait Electronics 450MHz Type & Serial Number: 14167041

Program: Touch Right 490 MHz; Touch Right CH#2

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

Medium: FCC 490MHz ($\sigma = 0.87$ mho/m, $\epsilon = 43.1$, $\rho = 1000$ 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: - TP:

- Software: DASY4, V4.0 Build 51

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

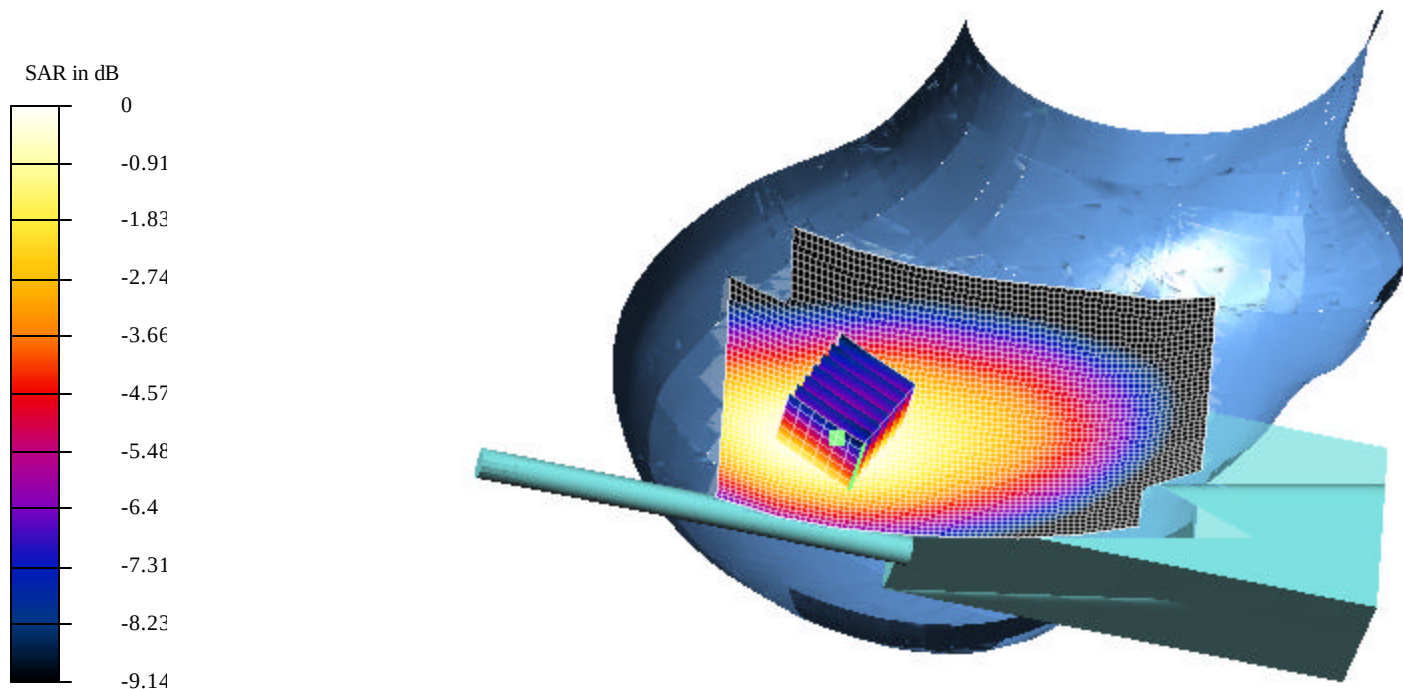
Reference Value = 93 V/m

Peak SAR = 14 mW/g

SAR(1 g) = 9.5 mW/g; SAR(10 g) = 6.48 mW/g

Power Drift = -0.9 dB

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

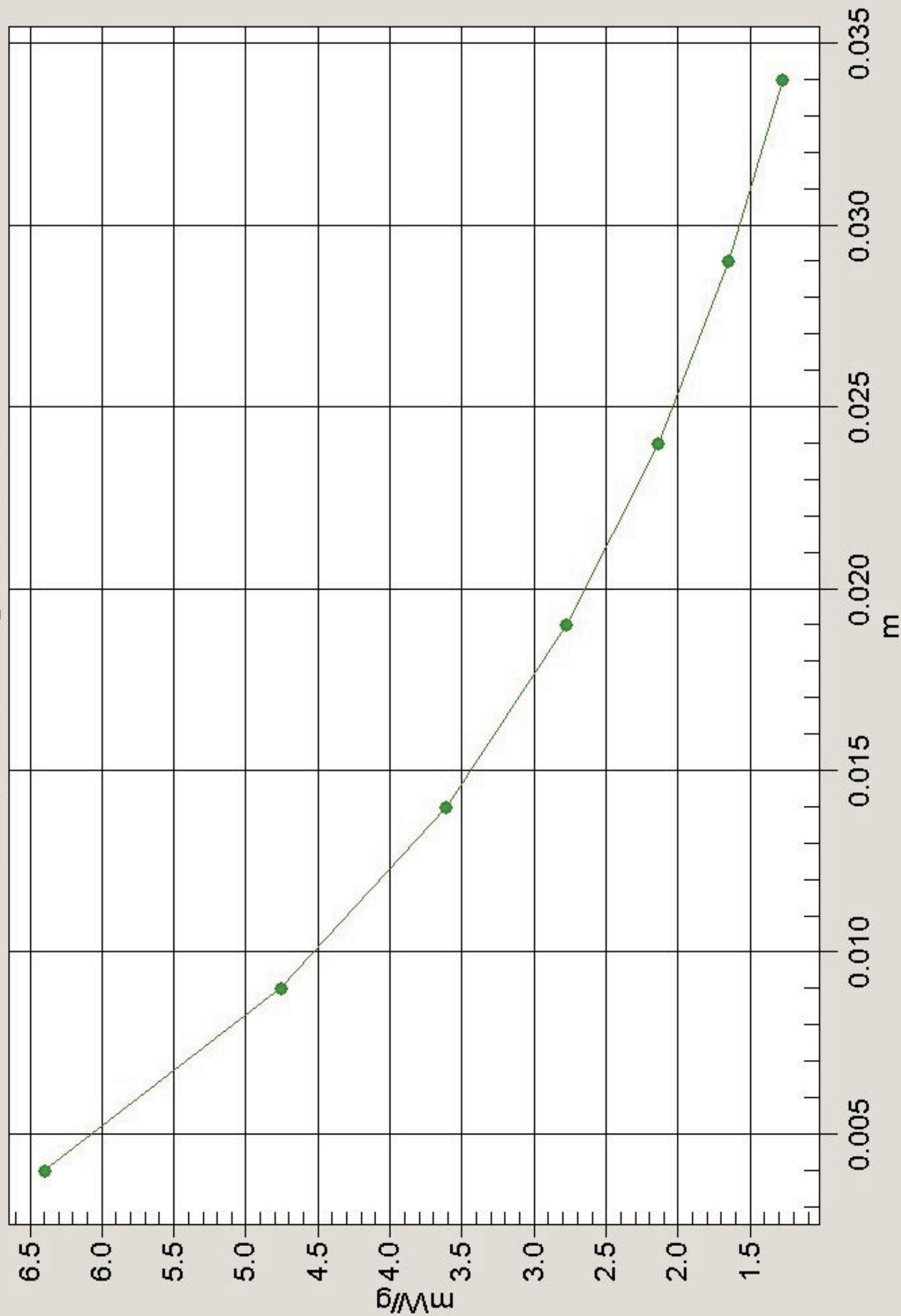


Temperature Ambient = 21.2°C

Liquid = 20.2°C

Humidity = 59%

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



Test Laboratory: EMC Technologies Pty Ltd

File Name: M030131 - Tait Electronics - 28-Feb-03.da4

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

Program: Tilted Position Right; Channel 3 Test 2

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

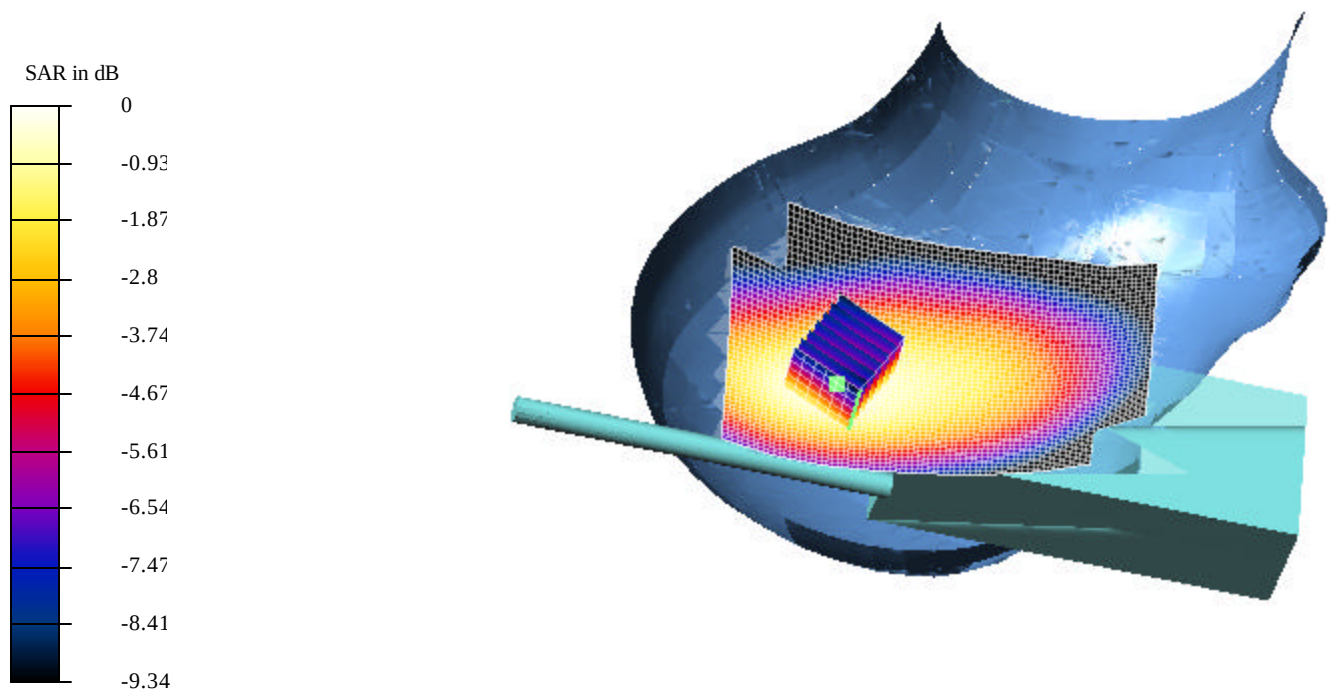
Reference Value = 100 V/m

Peak SAR = 15.7 mW/g

SAR(1 g) = 10.3 mW/g; SAR(10 g) = 6.94 mW/g

Power Drift = -0.6 dB

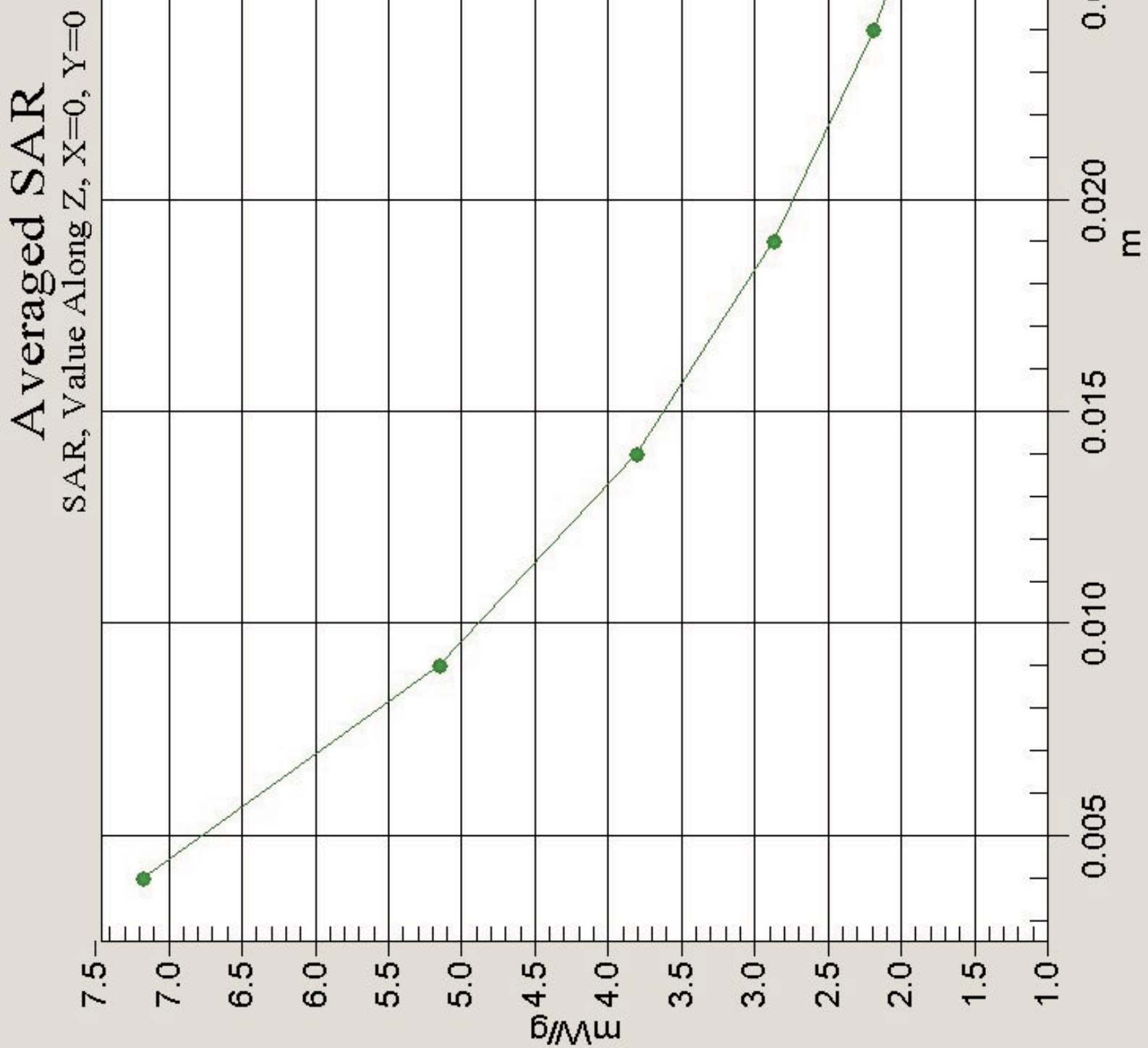
Area Scan (81x51x1): Measurement grid: dx=20mm, dy=20mm



Temperature Ambient = 21.2°C

Liquid = 20.2°C

Humidity = 59%



Test Laboratory: EMC Technologies Pty Ltd

File Name: M030131 - Tait Electronics - Tilted Position Right - 28-Feb-2003.da4

DUT: Tait Electronics 450MHz Type & Serial Number: 14167041

Program: Tilted Right 490 MHz; Tilted Right CH#2

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

Medium: FCC 490MHz ($\sigma = 0.87$ mho/m, $\epsilon = 43.1$, $\rho = 1000$ 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: - TP:
- Software: DASY4, V4.0 Build 51

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

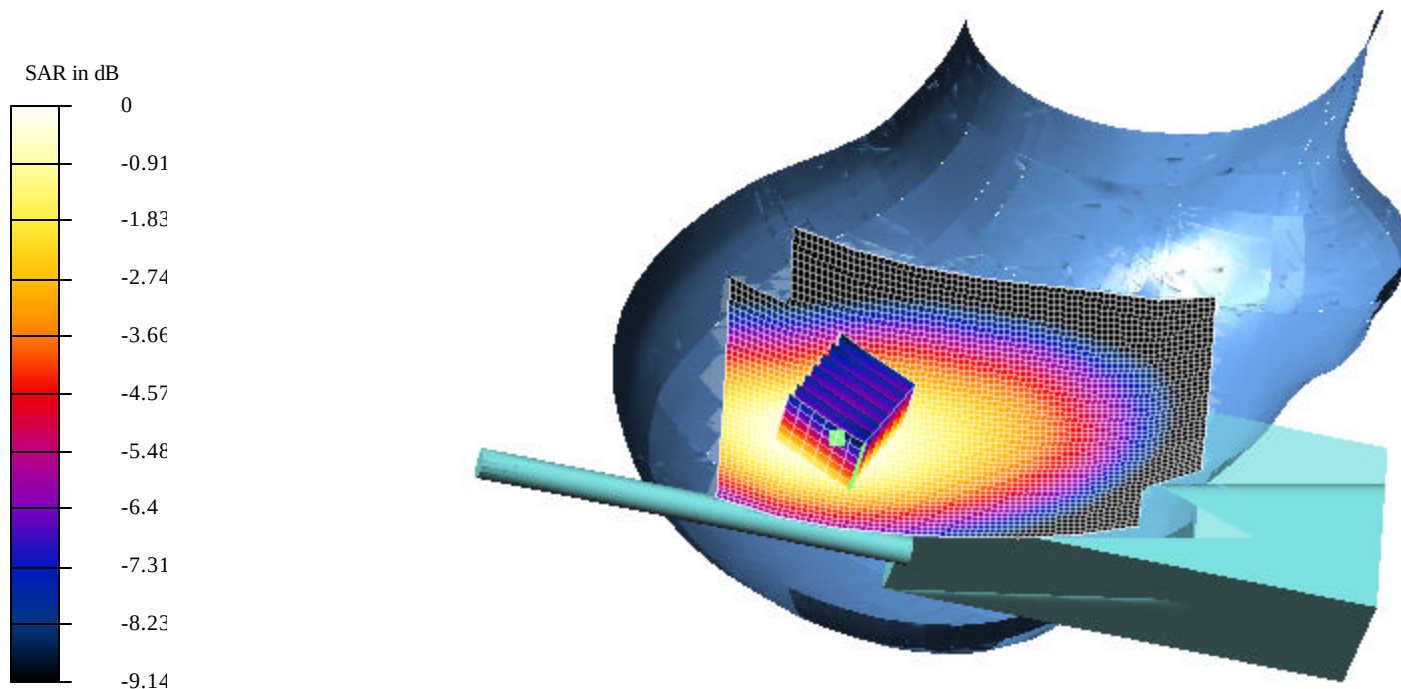
Reference Value = 93 V/m

Peak SAR = 14 mW/g

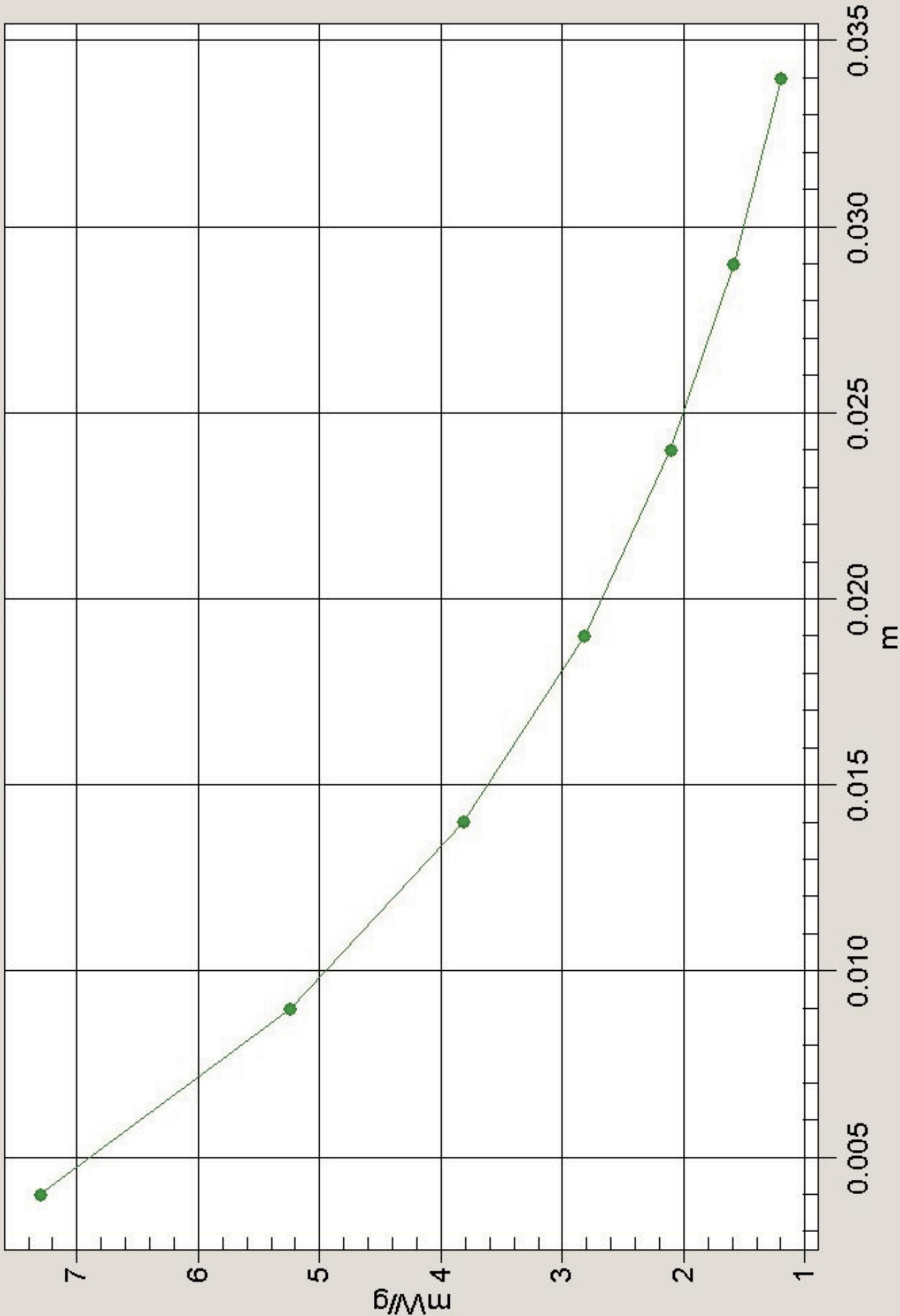
SAR(1 g) = 9.5 mW/g; SAR(10 g) = 6.48 mW/g

Power Drift = -0.9 dB

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



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



Test Laboratory: EMC Technologies Pty Ltd

File Name: M030131 - Tait Electronics - Tilted Position Right - 28-Feb-03 Test 3.da4

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

Program: Tilted Position Right; 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 ($\sigma = 0.9$ mho/m, $\epsilon = 41.32$, $\rho = 1000$ 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

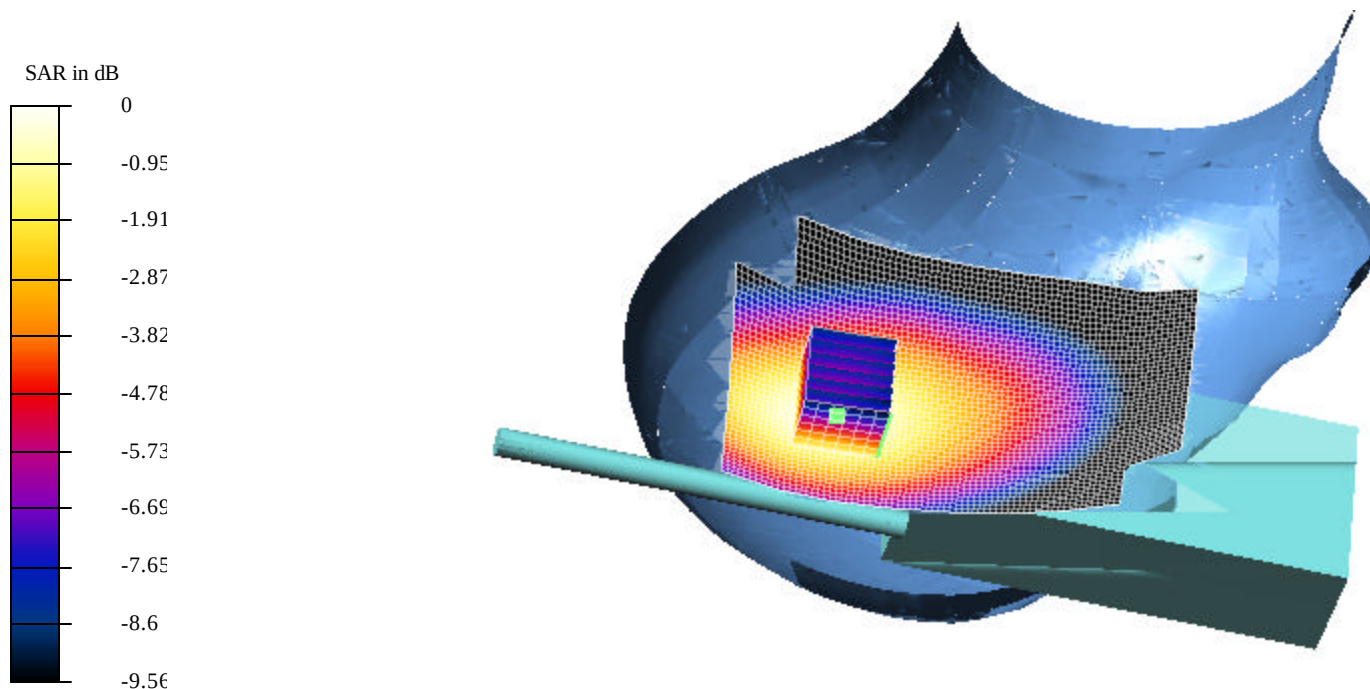
Reference Value = 87.2 V/m

Peak SAR = 14.7 mW/g

SAR(1 g) = 10.2 mW/g; SAR(10 g) = 6.88 mW/g

Power Drift = -0.06 dB

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



Temperature Ambient = 21.2°C

Liquid = 20.2°C

Humidity = 59%

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

