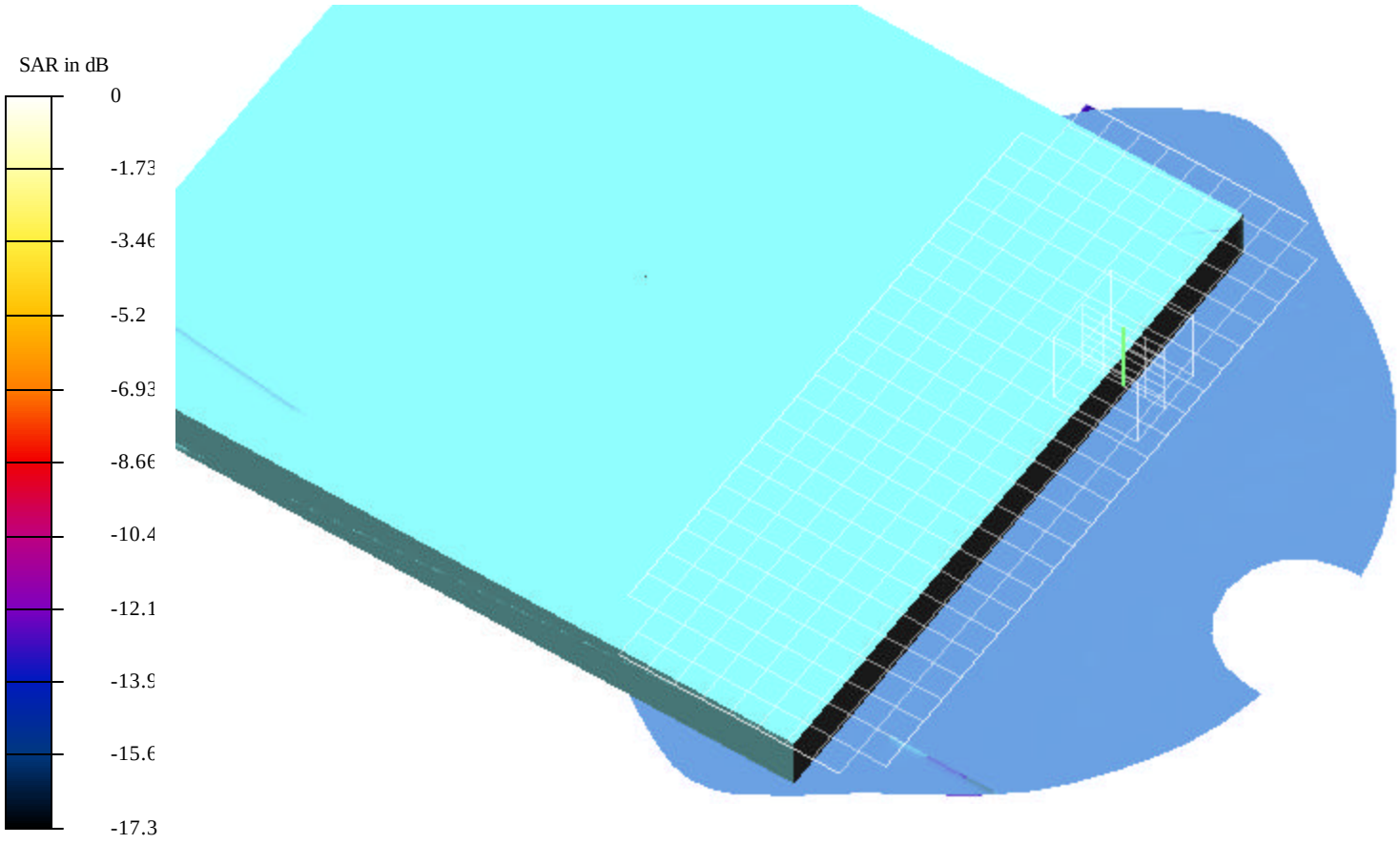
Date/Time: 04/11/03 21:57:32

Test Laboratory: Compliance Certification Services
File Name: 1L-CH_0.078 mW.da4

EUT Setup Configuration 1



Date/Time: 04/11/03 21:57:32

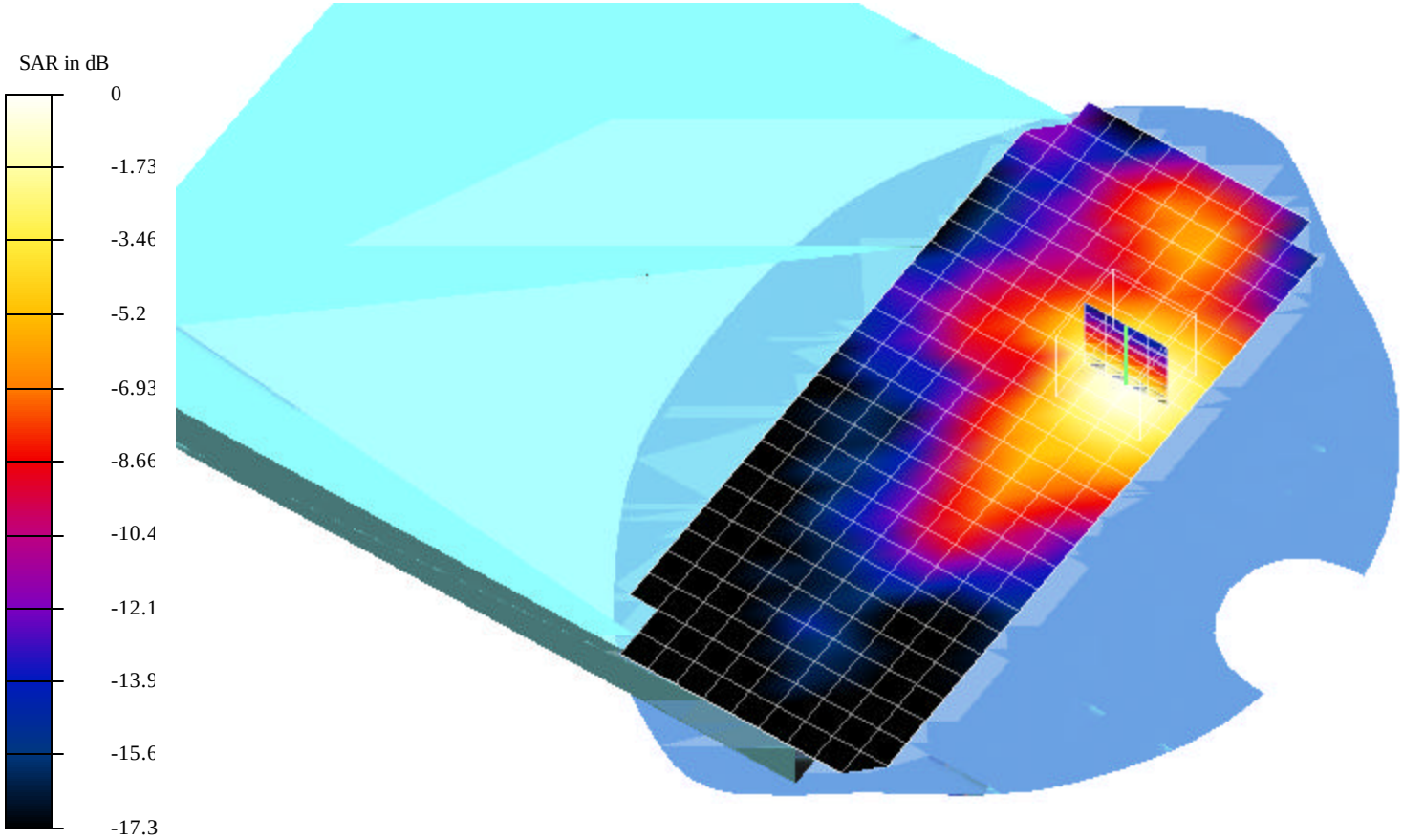
Test Laboratory: Compliance Certification Services
File Name: 1L-CH_0.078 mW.da4

Applicant: Twinhead Model Name: P22T
Program: EUT Setup Configuration 1; Air temp 24.5 deg C & Liquid temp 22.4 deg C

Communication System: DSSS; Frequency: 2412 MHz; Duty Cycle: 1:1
Medium: Muscle 2450 MHz (σ = 1.945 mho/m, ε = 50.76, ρ = 1000 kg/m3)
Phantom section: FlatSection

DASY4 Configuration:
- Probe: ET3DV6 - SN1577; ConvF(4.7, 4.7, 4.7); Calibrated: 2/7/2003
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn427; Calibrated: 2/4/2003
- Phantom: SAM 2 - TP:1050
- Software: DASY4, V4.0 Build 51

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm
Reference Value = 3.66 V/m
Peak SAR = 0.172 mW/g
SAR(1 g) = 0.078 mW/g; SAR(10 g) = 0.041 mW/g
Power Drift = 0.02 dB
Area Scan (11x26x1): Measurement grid: dx=10mm, dy=10mm



Date/Time: 04/11/03 22:39:16

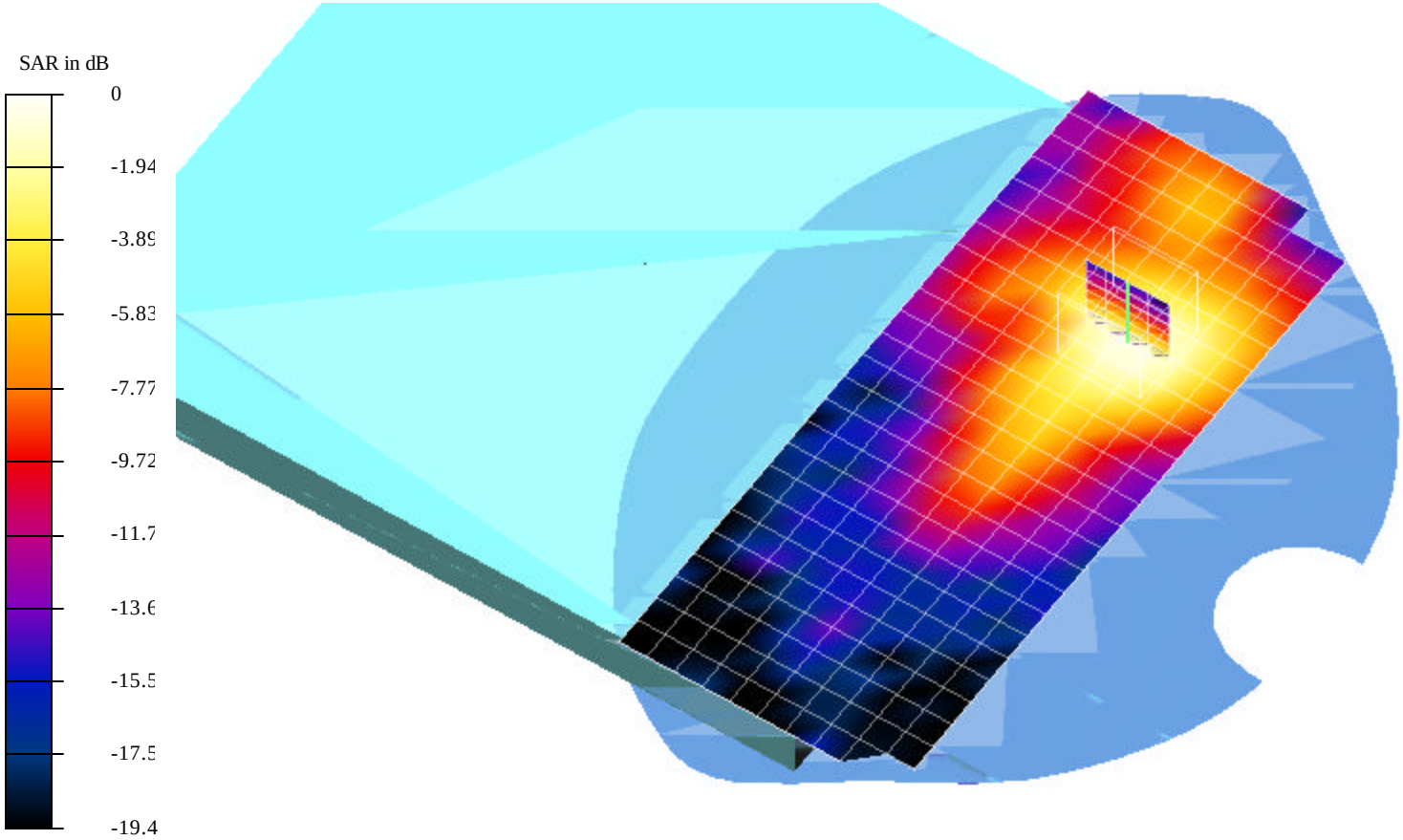
Test Laboratory: Compliance Certification Services
File Name: 2M-CH_0.0567 mW.da4

Applicant: Twinhead Model Name: P22T
Program: EUT Setup Configuration 1; Air temp 24.5 deg C & Liquid temp 22.4 deg C

Communication System: DSSS; Frequency: 2437 MHz; Duty Cycle: 1:1
Medium: Muscle 2450 MHz (σ = 1.945 mho/m, ε = 50.76, ρ = 1000 kg/m3)
Phantom section: FlatSection

DASY4 Configuration:
- Probe: ET3DV6 - SN1577; ConvF(4.7, 4.7, 4.7); Calibrated: 2/7/2003
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn427; Calibrated: 2/4/2003
- Phantom: SAM 2 - TP:1050
- Software: DASY4, V4.0 Build 51

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm
Reference Value = 2.94 V/m
Peak SAR = 0.128 mW/g
SAR(1 g) = 0.0567 mW/g; SAR(10 g) = 0.0295 mW/g
Power Drift = 0.08 dB
Area Scan (11x26x1): Measurement grid: dx=10mm, dy=10mm



Date/Time: 04/11/03 23:24:54

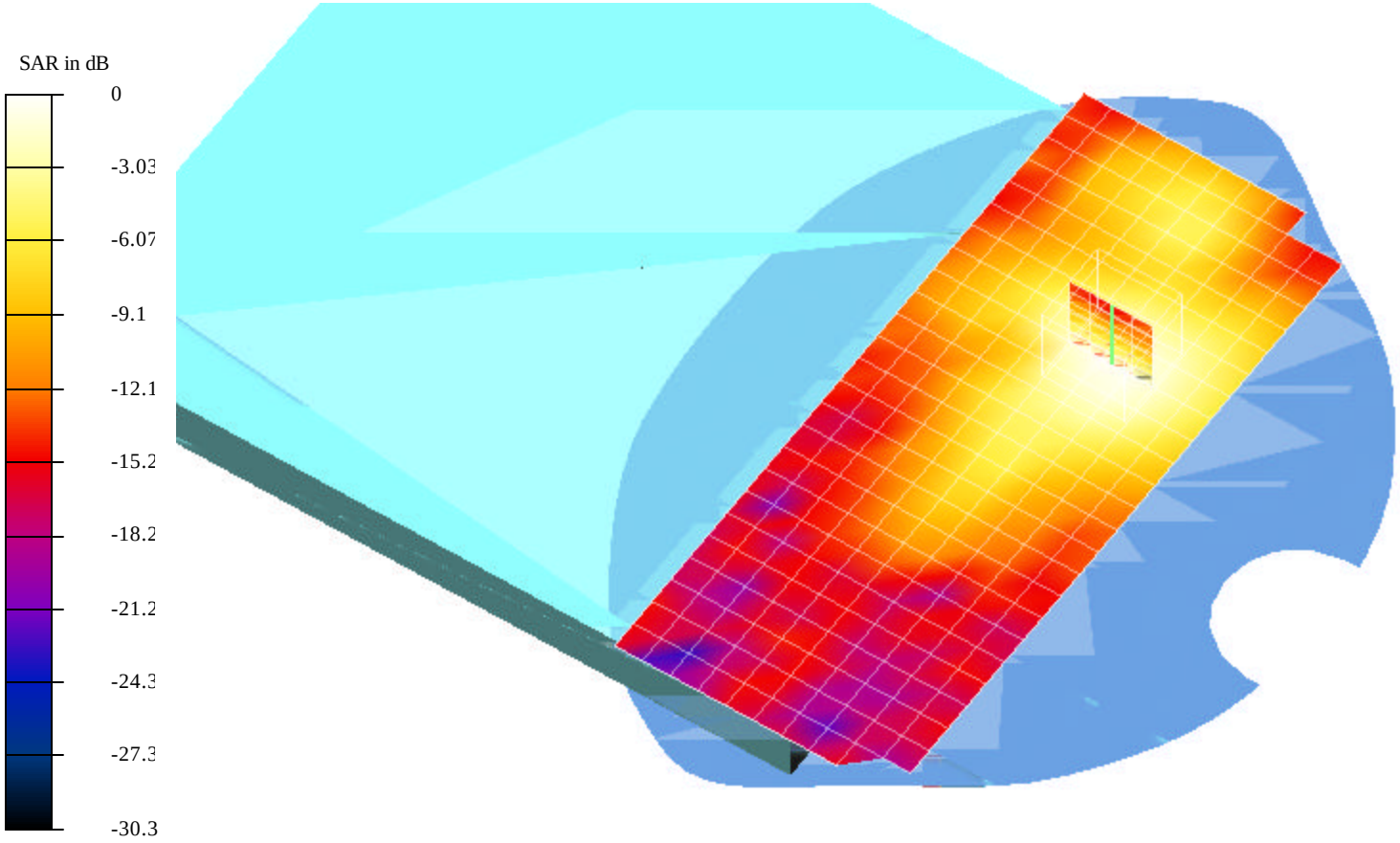
Test Laboratory: Compliance Certification Services
File Name: 3H-CH_0.0378 mW.da4

Applicant: Twinhead Model Name: P22T
Program: EUT Setup Configuration 1; Air temp 24.5 deg C & Liquid temp 22.3 deg C

Communication System: DSSS; Frequency: 2462 MHz; Duty Cycle: 1:1
Medium: Muscle 2450 MHz (σ = 1.945 mho/m, ε = 50.76, ρ = 1000 kg/m3)
Phantom section: FlatSection

DASY4 Configuration:
- Probe: ET3DV6 - SN1577; ConvF(4.7, 4.7, 4.7); Calibrated: 2/7/2003
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn427; Calibrated: 2/4/2003
- Phantom: SAM 2 - TP:1050
- Software: DASY4, V4.0 Build 51

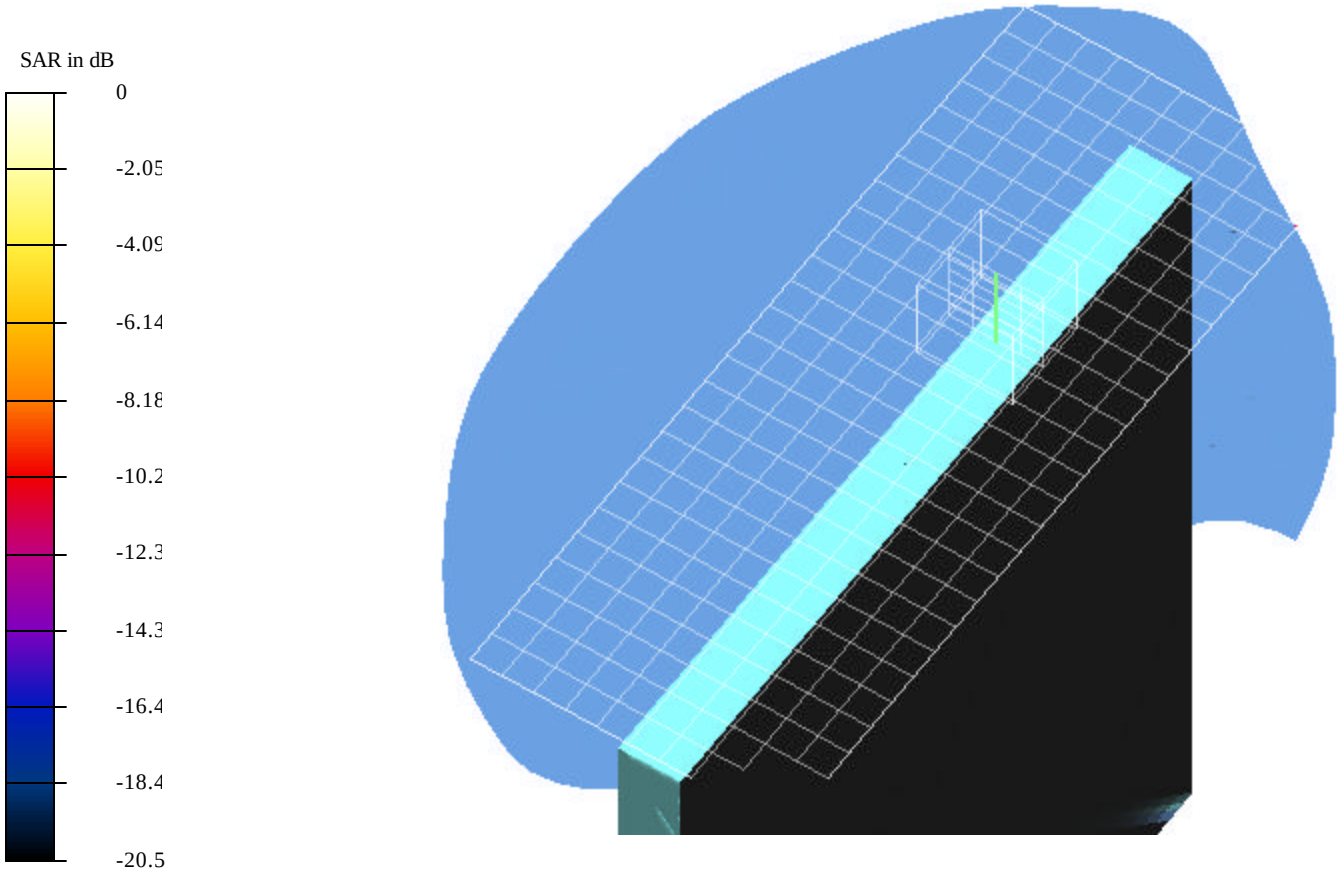
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm
Reference Value = 2.51 V/m
Peak SAR = 0.0878 mW/g
SAR(1 g) = 0.0378 mW/g; SAR(10 g) = 0.0196 mW/g
Power Drift = -0.12 dB
Area Scan (11x26x1): Measurement grid: dx=10mm, dy=10mm



Date/Time: 04/14/03 18:29:14

Test Laboratory: Compliance Certification Services
File Name: 1L-CH_0.102 mW.da4

EUT Setup Configuration 2



Date/Time: 04/14/03 18:29:14

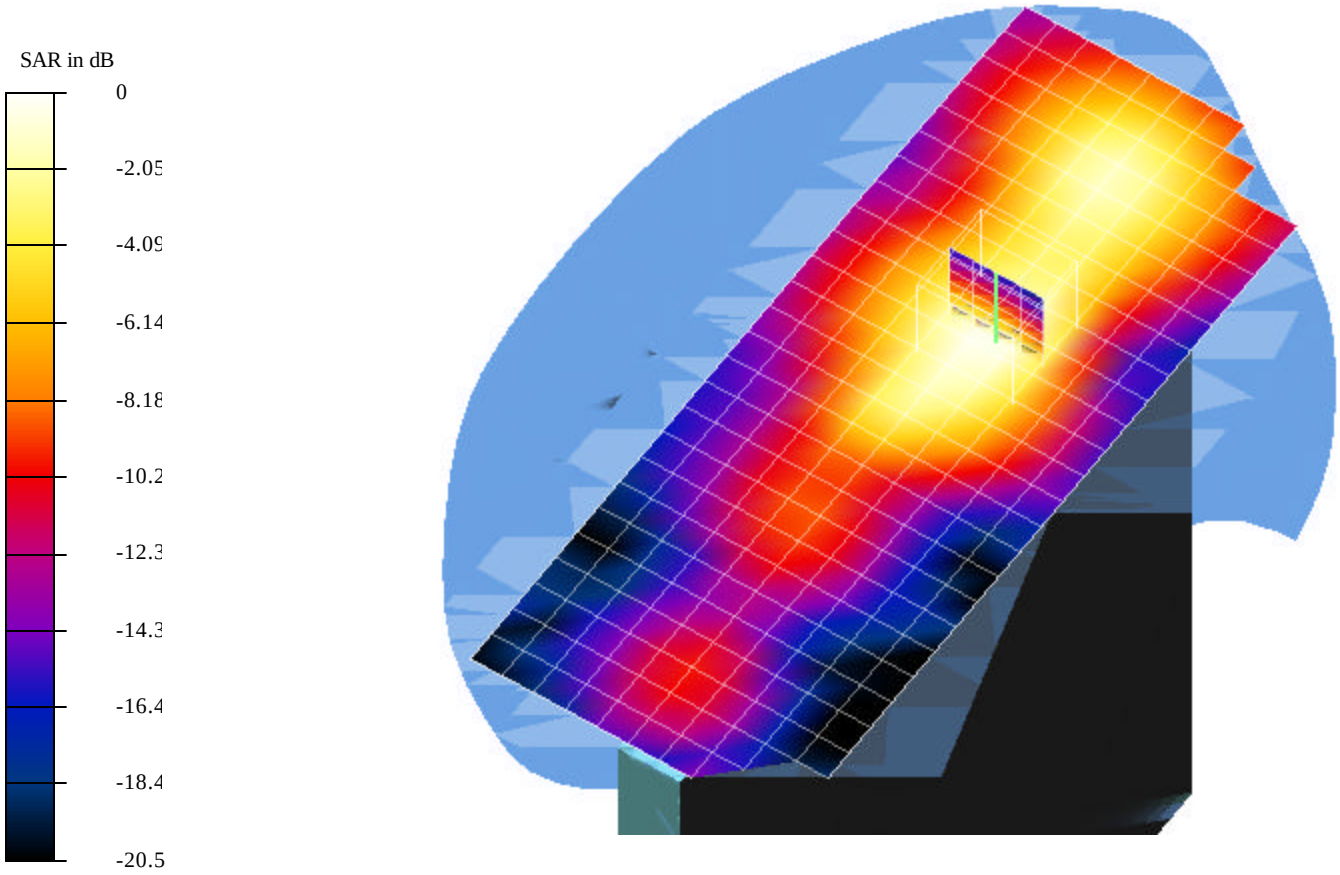
Test Laboratory: Compliance Certification Services
File Name: 1L-CH_0.102 mW.da4

Applicant: Twinhead Model Name: P22T
Program: EUT Setup Configuration 2; Air temp 24.5 deg C & Liquid temp 22.2 deg C

Communication System: DSSS; Frequency: 2412 MHz; Duty Cycle: 1:1
Medium: Muscle 2450 MHz (σ = 1.9763 mho/m, ε = 50.65, ρ = 1000 kg/m3)
Phantom section: FlatSection

DASY4 Configuration:
- Probe: ET3DV6 - SN1577; ConvF(4.7, 4.7, 4.7); Calibrated: 2/7/2003
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn427; Calibrated: 2/4/2003
- Phantom: SAM 2 - TP:1050
- Software: DASY4, V4.0 Build 51

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm
Reference Value = 5.52 V/m
Peak SAR = 0.229 mW/g
SAR(1 g) = 0.102 mW/g; SAR(10 g) = 0.0525 mW/g
Power Drift = 0.08 dB
Area Scan (11x27x1): Measurement grid: dx=10mm, dy=10mm



Date/Time: 04/14/03 18:29:14

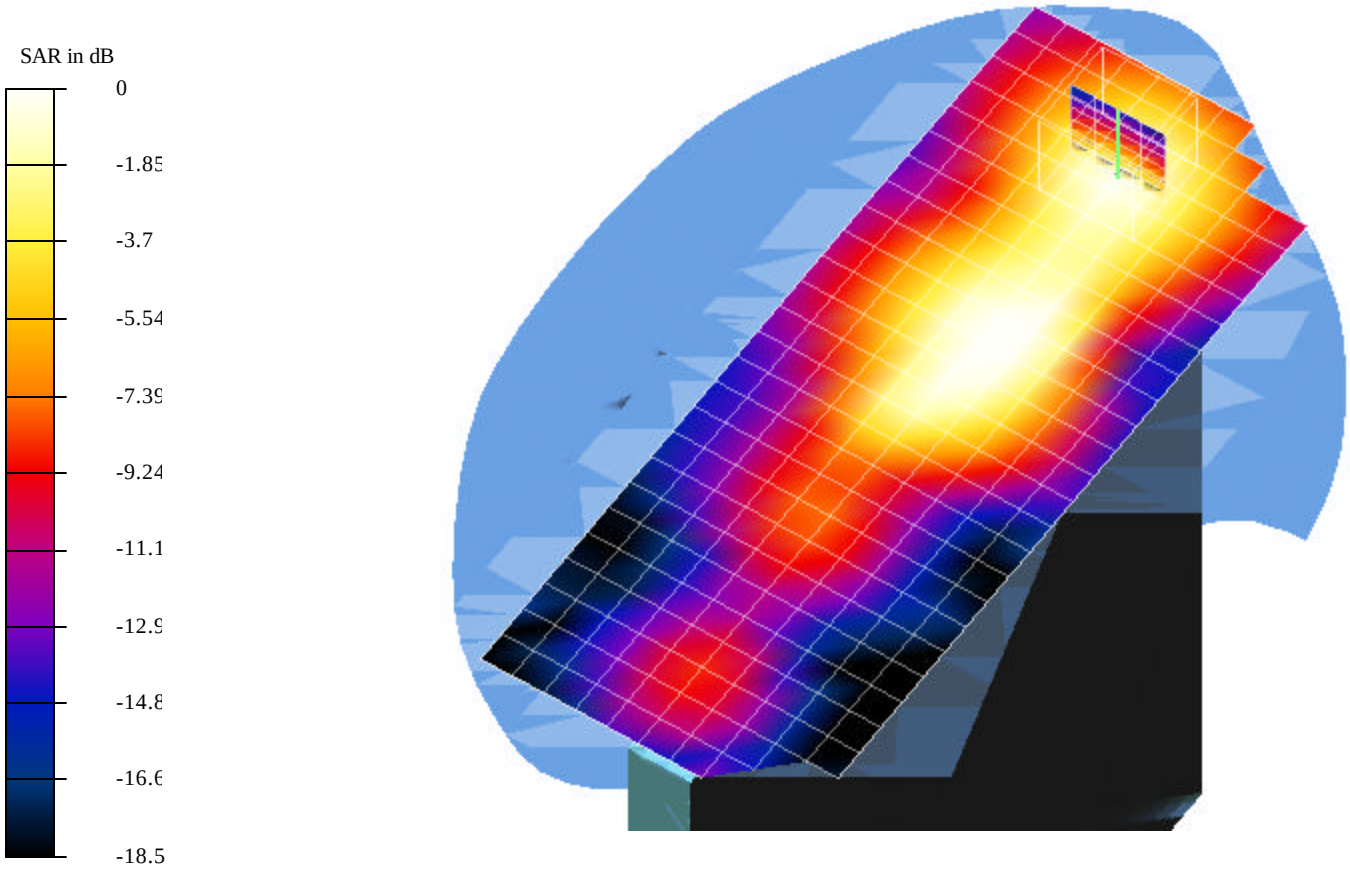
Test Laboratory: Compliance Certification Services
File Name: 1L-CH_0.0785 mW.da4

Applicant: Twinhead Model Name: P22T
Program: EUT Setup Configuration 2; Air temp 24.5 deg C & Liquid temp 22.2 deg C

Communication System: DSSS; Frequency: 2412 MHz; Duty Cycle: 1:1
Medium: Muscle 2450 MHz (σ = 1.9763 mho/m, ε = 50.65, ρ = 1000 kg/m3)
Phantom section: FlatSection

DASY4 Configuration:
- Probe: ET3DV6 - SN1577; ConvF(4.7, 4.7, 4.7); Calibrated: 2/7/2003
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn427; Calibrated: 2/4/2003
- Phantom: SAM 2 - TP:1050
- Software: DASY4, V4.0 Build 51

Zoom Scan (5x5x7)/Cube 1: Measurement grid: dx=7.5mm, dy=7.5mm
Reference Value = 5.52 V/m
Peak SAR = 0.162 mW/g
SAR(1 g) = 0.0785 mW/g; SAR(10 g) = 0.0419 mW/g
Power Drift = 0.09 dB
Area Scan (11x27x1): Measurement grid: dx=10mm, dy=10mm



Date/Time: 04/14/03 19:27:02

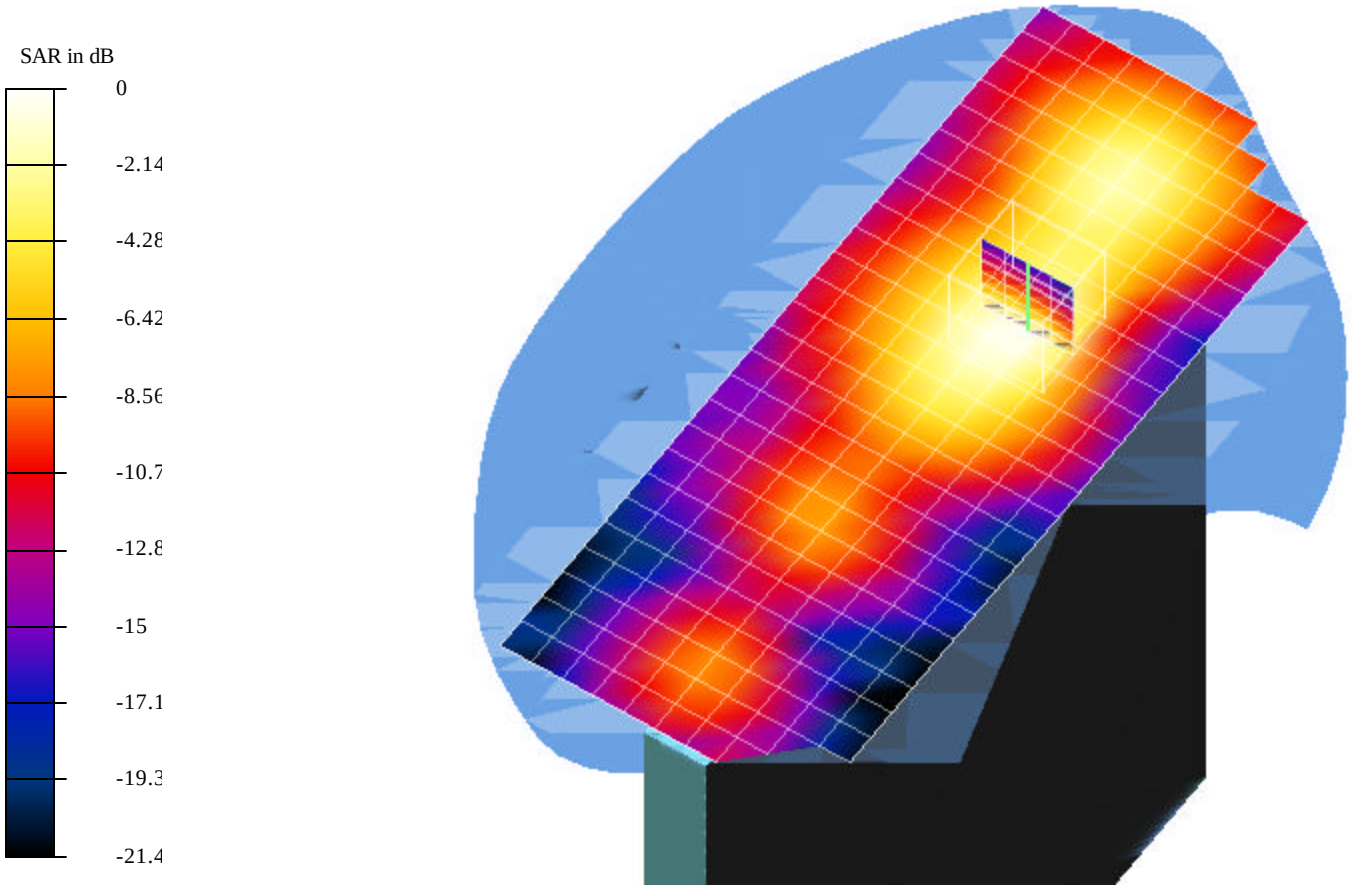
Test Laboratory: Compliance Certification Services
File Name: 2M-CH_0.0831 mW.da4

Applicant: Twinhead Model Name: P22T
Program: EUT Setup Configuration 2; Air temp 24.5 deg C & Liquid temp 22.2 deg C

Communication System: DSSS; Frequency: 2437 MHz; Duty Cycle: 1:1
Medium: Muscle 2450 MHz (σ = 1.9763 mho/m, ε = 50.65, ρ = 1000 kg/m3)
Phantom section: FlatSection

DASY4 Configuration:
- Probe: ET3DV6 - SN1577; ConvF(4.7, 4.7, 4.7); Calibrated: 2/7/2003
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn427; Calibrated: 2/4/2003
- Phantom: SAM 2 - TP:1050
- Software: DASY4, V4.0 Build 51

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm
Reference Value = 4.09 V/m
Peak SAR = 0.2 mW/g
SAR(1 g) = 0.0831 mW/g; SAR(10 g) = 0.0415 mW/g
Power Drift = 0.05 dB
Area Scan (11x27x1): Measurement grid: dx=10mm, dy=10mm



Date/Time: 04/14/03 19:27:02

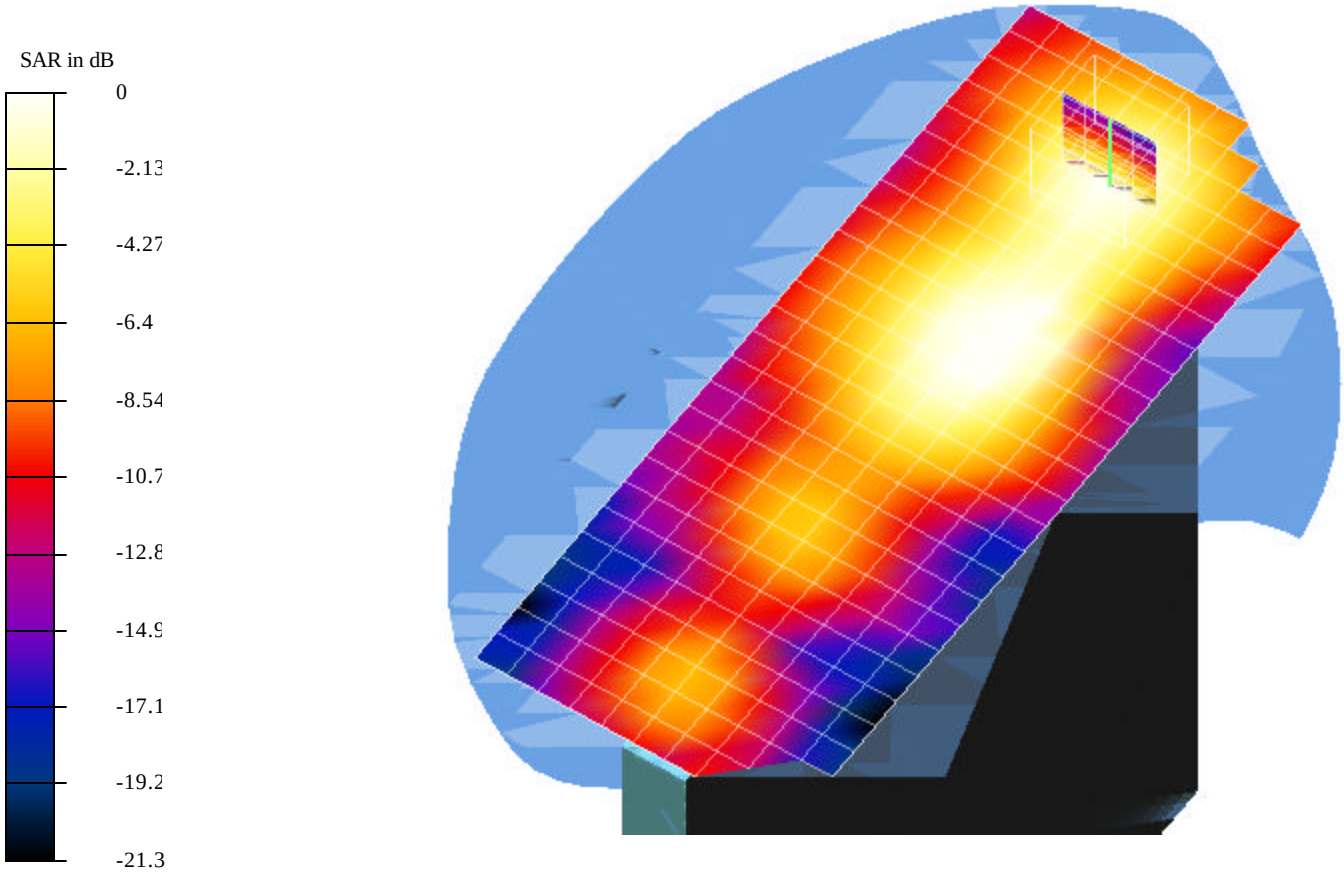
Test Laboratory: Compliance Certification Services
File Name: 2M-CH_0.0557 mW.da4

Applicant: Twinhead Model Name: P22T
Program: EUT Setup Configuration 2; Air temp 24.5 deg C & Liquid temp 22.2 deg C

Communication System: DSSS; Frequency: 2437 MHz; Duty Cycle: 1:1
Medium: Muscle 2450 MHz (σ = 1.9763 mho/m, ε = 50.65, ρ = 1000 kg/m3)
Phantom section: FlatSection

DASY4 Configuration:
- Probe: ET3DV6 - SN1577; ConvF(4.7, 4.7, 4.7); Calibrated: 2/7/2003
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn427; Calibrated: 2/4/2003
- Phantom: SAM 2 - TP:1050
- Software: DASY4, V4.0 Build 51

Zoom Scan (5x5x7)/Cube 1: Measurement grid: dx=7.5mm, dy=7.5mm
Reference Value = 4.09 V/m
Peak SAR = 0.121 mW/g
SAR(1 g) = 0.0557 mW/g; SAR(10 g) = 0.0293 mW/g
Power Drift = 0.05 dB
Area Scan (11x27x1): Measurement grid: dx=10mm, dy=10mm



Date/Time: 04/14/03 21:31:52

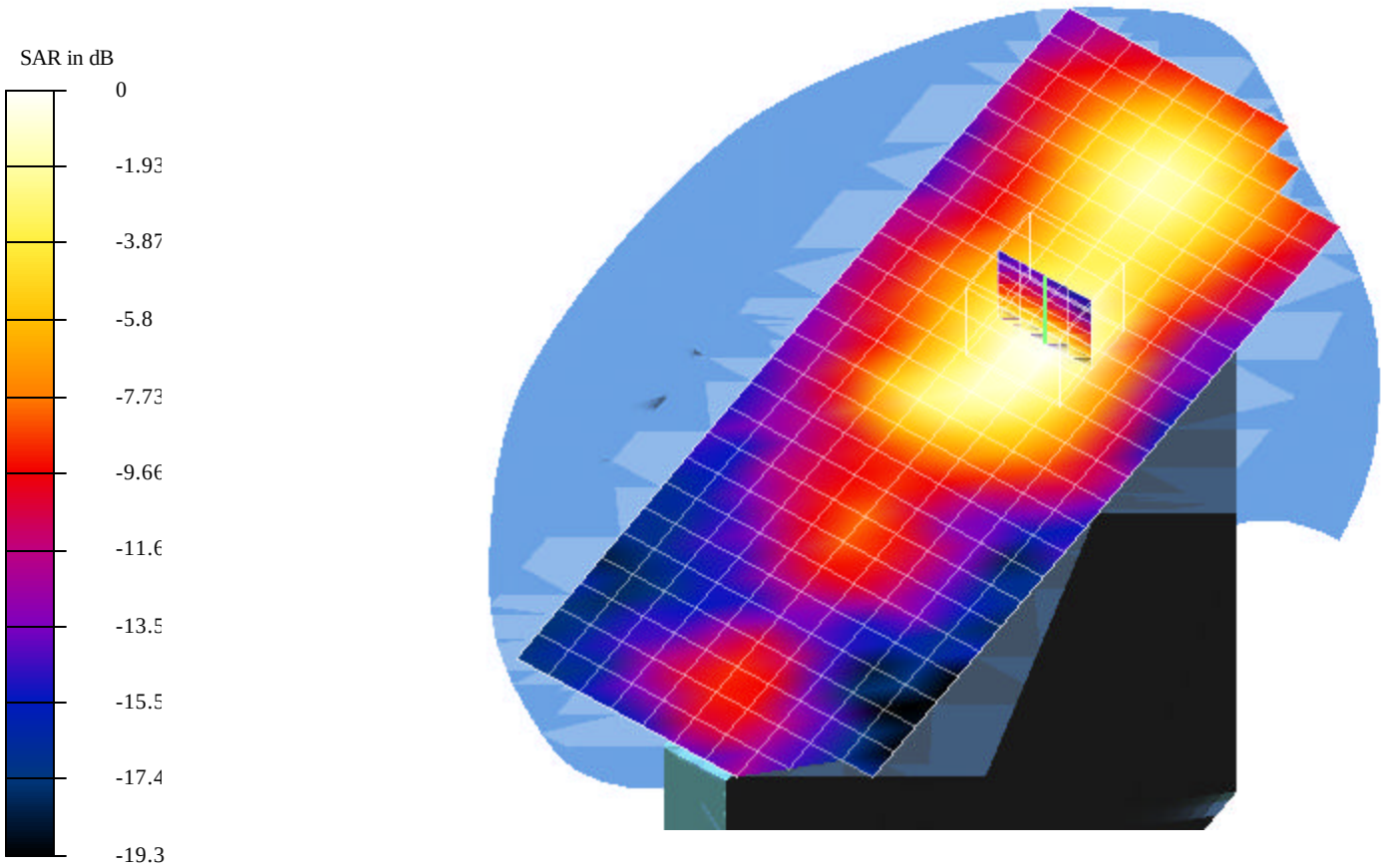
Test Laboratory: Compliance Certification Services
File Name: 3H-CH_0.0477 mW.da4

Applicant: Twinhead Model Name: P22T
Program: EUT Setup Configuration 2; Air temp 24.5 deg C & Liquid temp 22.3 deg C

Communication System: DSSS; Frequency: 2462 MHz; Duty Cycle: 1:1
Medium: Muscle 2450 MHz (σ = 1.9763 mho/m, ε = 50.65, ρ = 1000 kg/m3)
Phantom section: FlatSection

DASY4 Configuration:
- Probe: ET3DV6 - SN1577; ConvF(4.7, 4.7, 4.7); Calibrated: 2/7/2003
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn427; Calibrated: 2/4/2003
- Phantom: SAM 2 - TP:1050
- Software: DASY4, V4.0 Build 51

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm
Reference Value = 3.78 V/m
Peak SAR = 0.114 mW/g
SAR(1 g) = 0.0477 mW/g; SAR(10 g) = 0.0242 mW/g
Power Drift = -0.02 dB
Area Scan (11x27x1): Measurement grid: dx=10mm, dy=10mm

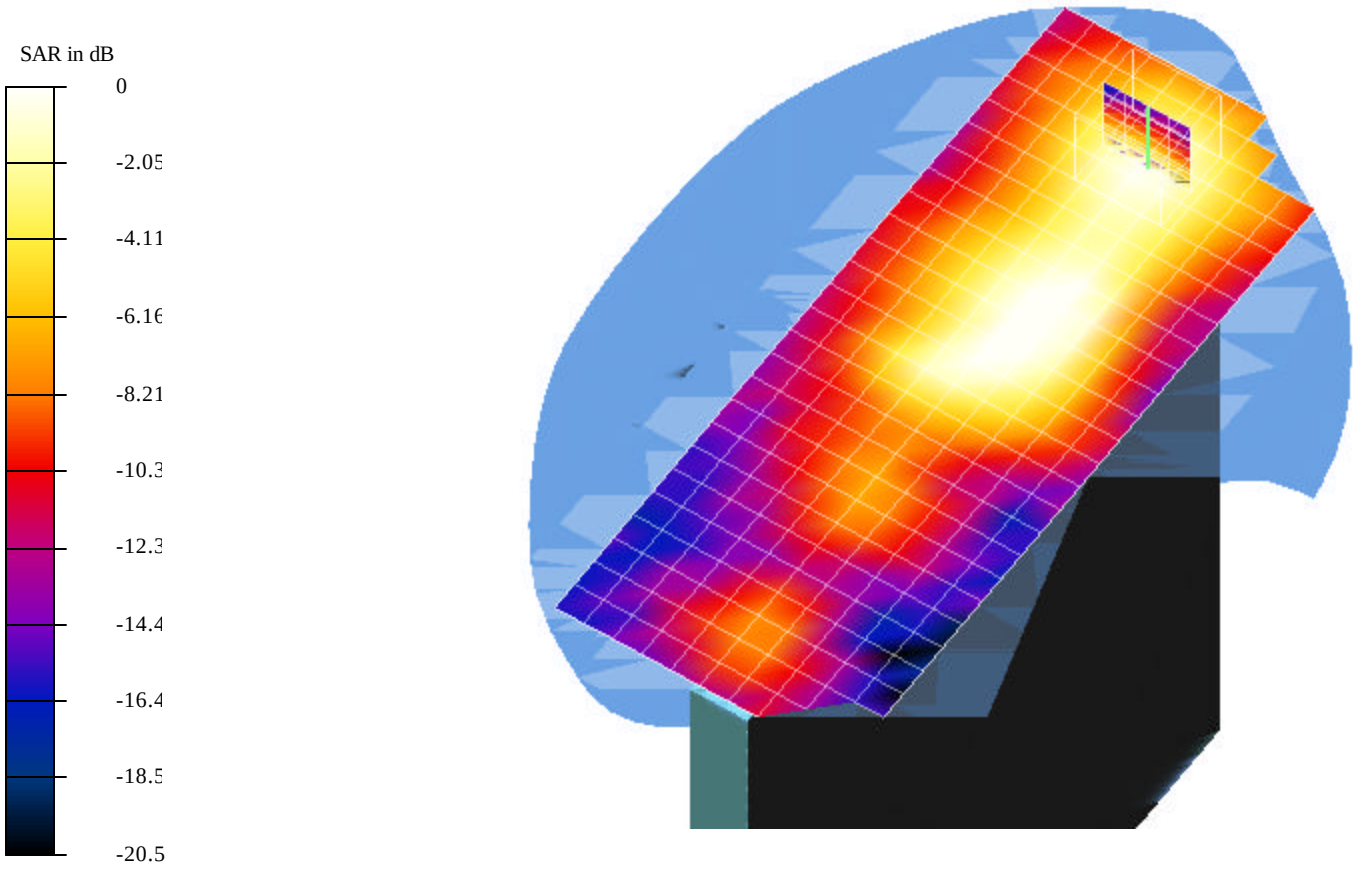


Date/Time: 04/14/03 21:31:52

Test Laboratory: Compliance Certification Services
File Name: 3H-CH_0.0346 mW.da4

Applicant: Twinhead Model Name: P22T
Program: EUT Setup Configuration 2; Air temp 24.5 deg C & Liquid temp 22.3 deg C

Communication System: DSSS; Frequency: 2462 MHz; Duty Cycle: 1:1
Medium: Muscle 2450 MHz (σ = 1.9763 mho/m, ε = 50.65, ρ = 1000 kg/m3)
Phantom section: FlatSection

DASY4 Configuration:
- Probe: ET3DV6 - SN1577; ConvF(4.7, 4.7, 4.7); Calibrated: 2/7/2003
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn427; Calibrated: 2/4/2003
- Phantom: SAM 2 - TP:1050
- Software: DASY4, V4.0 Build 51

Zoom Scan (5x5x7)/Cube 1: Measurement grid: dx=7.5mm, dy=7.5mm
Reference Value = 3.78 V/m
Peak SAR = 0.072 mW/g
SAR(1 g) = 0.0346 mW/g; SAR(10 g) = 0.0183 mW/g
Power Drift = -0.02 dB
Area Scan (11x27x1): Measurement grid: dx=10mm, dy=10mm