

Test Laboratory: Compliance Certification Services

System Performance Check @ 2450MHz (Body Tissue)

DUT: Dipole 2450 MHz; Type: D2450V2; Serial: D2450V2 - SN:748

Communication System: CW - 2450 MHz; Frequency: 2450 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 2450$ MHz; $\sigma = 1.98$ mho/m; $\epsilon_r = 52.9$; $\rho = 1000$ kg/m³
Phantom section: Flat Section

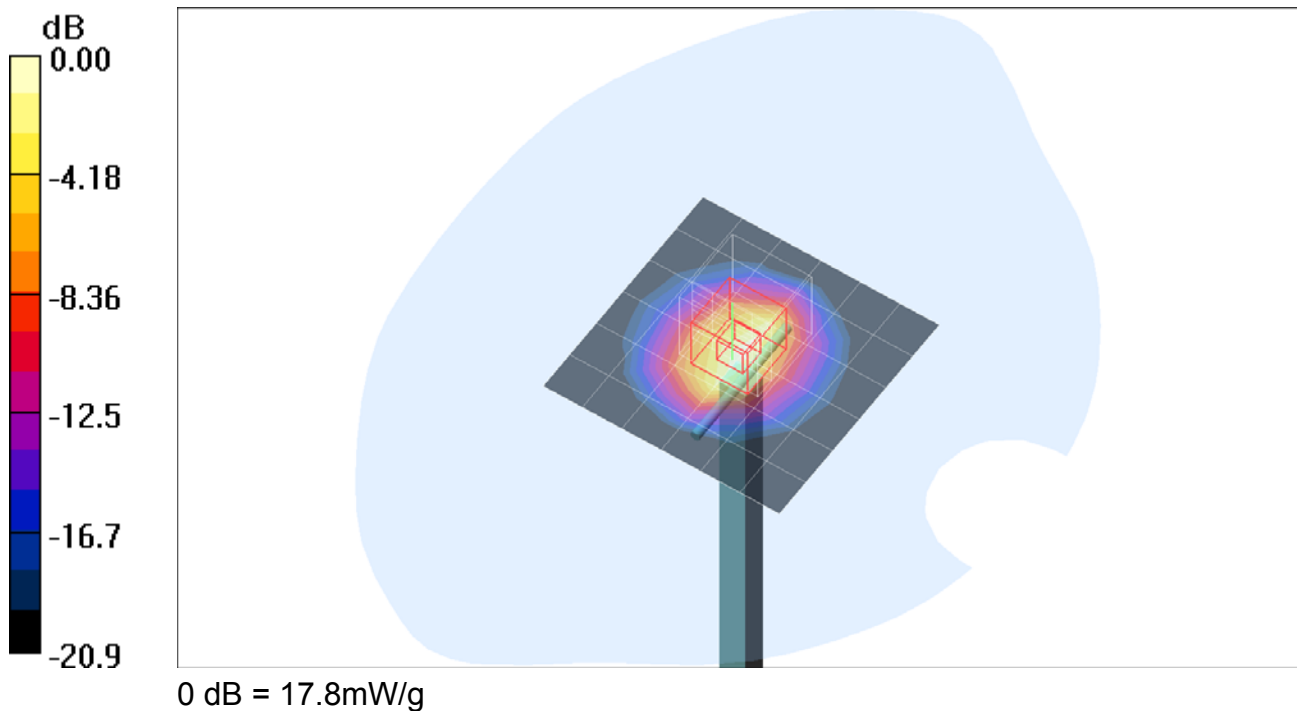
Room Ambient Temperature: 24.0 deg. C; Liquid Temperature: 23.0 deg. C

DASY4 Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Probe: EX3DV4 - SN3552 ; ConvF(6.94, 6.94, 6.94); Calibrated: 3/19/2005
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn500; Calibrated: 2/7/2005
- Phantom: SAM 1; Type: SAM 1; Serial: 1185
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 146

d=10mm, Pin=250mW/Area Scan (7x7x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 17.8 mW/g

d=10mm, Pin=250mW/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 97.0 V/m; Power Drift = 0.120 dB
Peak SAR (extrapolated) = 24.9 W/kg
SAR(1 g) = 13.4 mW/g; SAR(10 g) = 6.49 mW/g



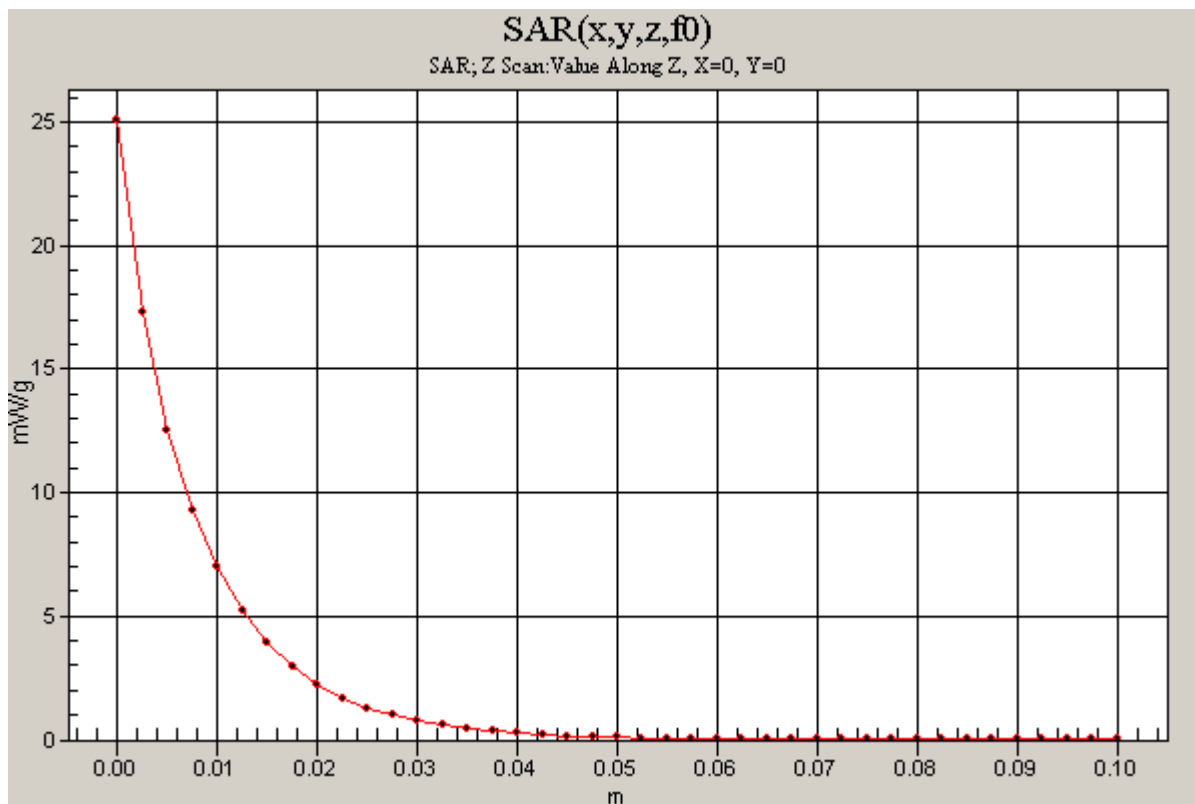
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System Performance Check @ 2450MHz (Body Tissue)

DUT: Dipole 2450 MHz; Type: D2450V2; Serial: D2450V2 - SN:748

Communication System: CW - 2450 MHz; Frequency: 2450 MHz; Duty Cycle: 1:1

d=10mm, Pin=250mW/Z Scan (1x1x41): Measurement grid: dx=20mm, dy=20mm, dz=2.5mm
Maximum value of SAR (measured) = 25.1 mW/g



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System Performance Check @ 5.2GHz (Body Tissue)

DUT: Dipole 5200-5800MHz; Type: D5GHzV2; Serial: 1003

Communication System: CW 5200MHz; Frequency: 5200 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 5200$ MHz; $\sigma = 5.4$ mho/m; $\epsilon_r = 49.8$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Room Ambient Temperature: 25 deg. C; Liquid Temperature: 24.5 deg. C

DASY4 Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Probe: EX3DV4 - SN3552 ; ConvF(4.28, 4.28, 4.28); Calibrated: 3/19/2005
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn500; Calibrated: 2/7/2005
- Phantom: SAM 2; Type: SAM 2; Serial: 1050
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 146

d=10mm, Pin=250mW/Area Scan (8x8x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 23.4 mW/g

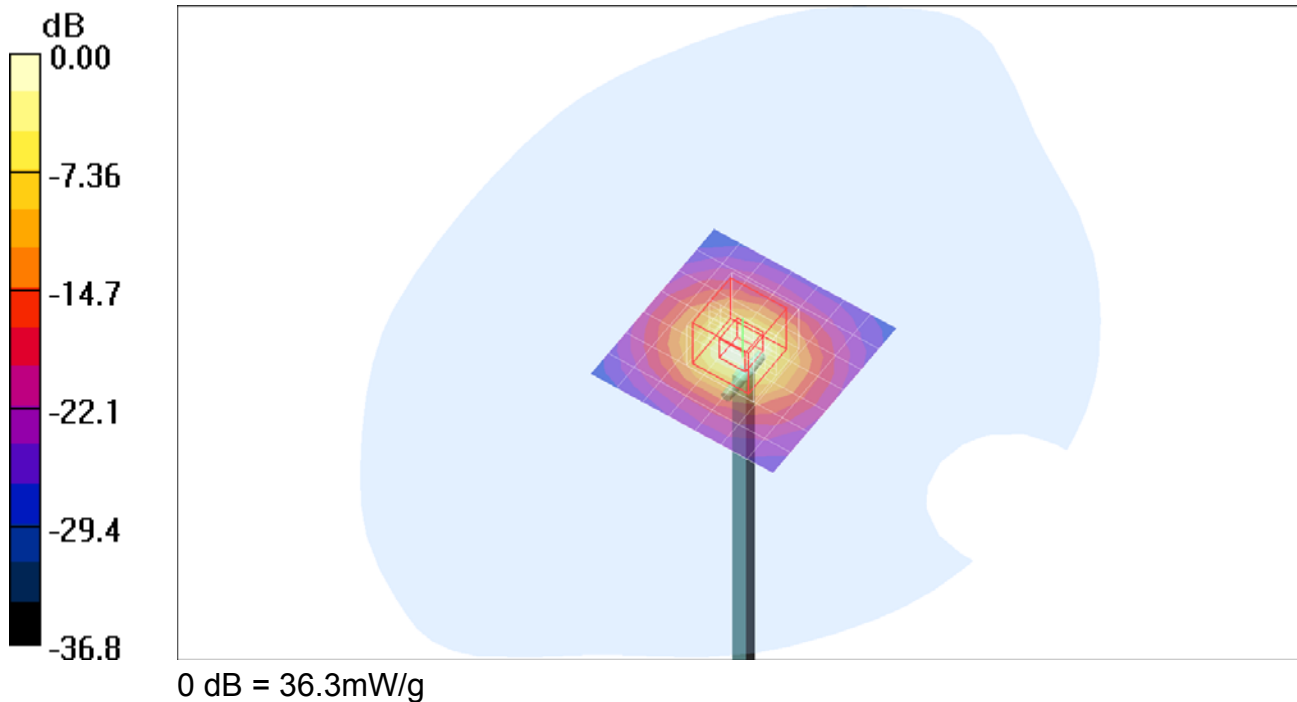
d=10mm, Pin=250mW/Zoom Scan (7x7x8)/Cube 0: Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm

Reference Value = 90.5 V/m; Power Drift = 0.022 dB

Peak SAR (extrapolated) = 69.5 W/kg

SAR(1 g) = 18.6 mW/g; SAR(10 g) = 5.24 mW/g

Maximum value of SAR (measured) = 36.3 mW/g



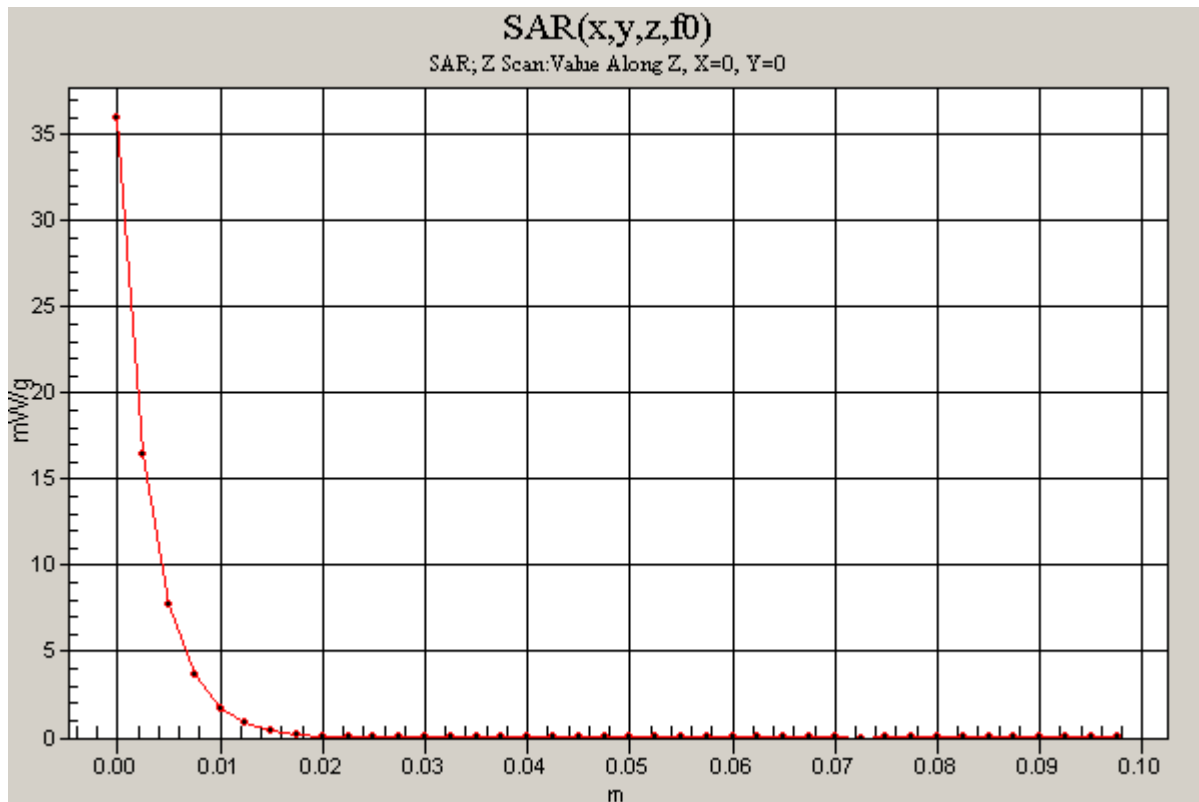
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System Performance Check @ 5.2GHz (Body Tissue)

DUT: Dipole 5200-5800MHz; Type: D5GHzV2; Serial: 1003

Communication System: CW 5200MHz; Frequency: 5200 MHz; Duty Cycle: 1:1

d=10mm, Pin=250mW/Z Scan (1x1x41): Measurement grid: dx=20mm, dy=20mm, dz=2.5mm
Maximum value of SAR (measured) = 36.0 mW/g



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System Performance Check @ 5.8GHz (Body Tissue)

DUT: Dipole 5200-5800MHz; Type: D5GHzV2; Serial: 1003

Communication System: CW 5800MHz; Frequency: 5800 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 5800$ MHz; $\sigma = 6.26$ mho/m; $\epsilon_r = 48.7$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Room Ambient Temperature: 25 deg. C; Liquid Temperature: 24.5 deg. C

DASY4 Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Probe: EX3DV4 - SN3552 ; ConvF(3.61, 3.61, 3.61); Calibrated: 3/19/2005
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn500; Calibrated: 2/7/2005
- Phantom: SAM 2; Type: SAM 2; Serial: 1050
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 146

d=10mm, Pin=250mW/Area Scan (8x8x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 25.6 mW/g

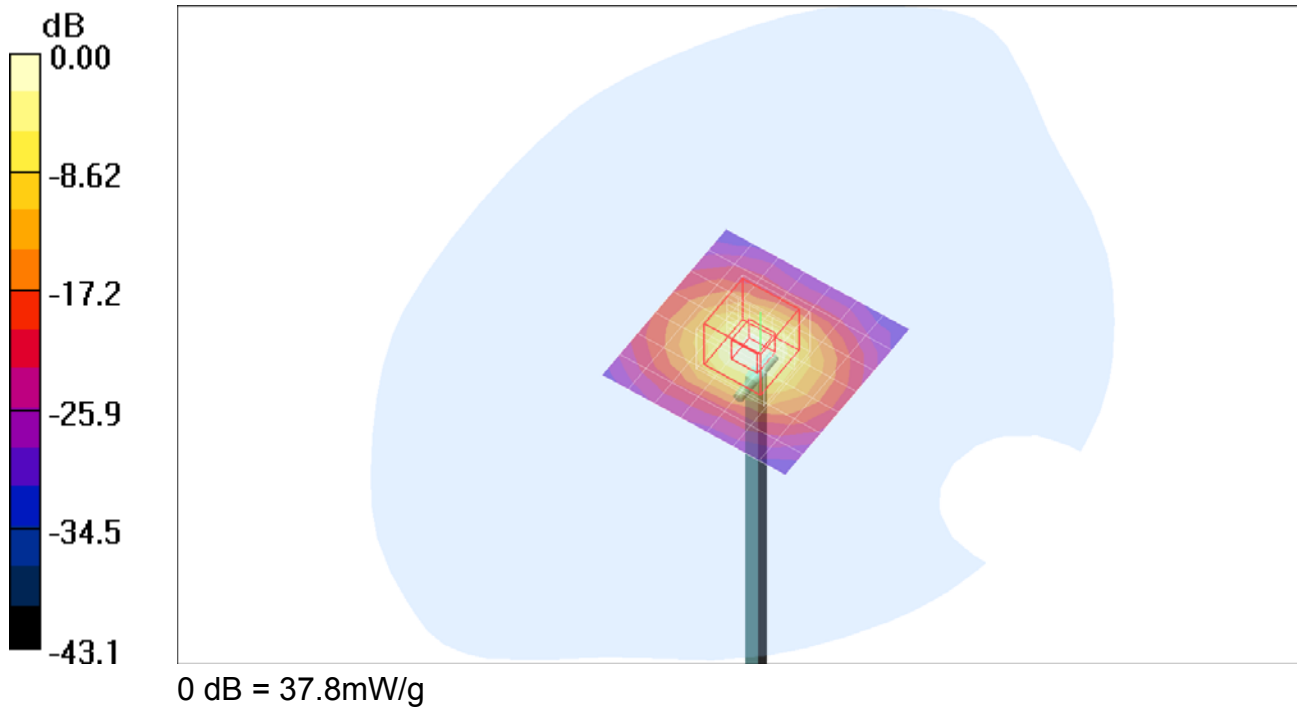
d=10mm, Pin=250mW/Zoom Scan (7x7x8)/Cube 0: Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm

Reference Value = 86.5 V/m; Power Drift = 0.040 dB

Peak SAR (extrapolated) = 78.9 W/kg

SAR(1 g) = 18.8 mW/g; SAR(10 g) = 5.26 mW/g

Maximum value of SAR (measured) = 37.8 mW/g



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System Performance Check @ 5.8GHz (Body Tissue)

DUT: Dipole 5200-5800MHz; Type: D5GHzV2; Serial: 1003

Communication System: CW 5800MHz; Frequency: 5800 MHz; Duty Cycle: 1:1

d=10mm, Pin=250mW/Z Scan (1x1x21): Measurement grid: dx=20mm, dy=20mm, dz=5mm
Maximum value of SAR (measured) = 15.2 mW/g

