

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; $\sigma = 2.02$ mho/m; $\epsilon_r = 53.2$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Room Ambient Temperature: 23.5 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: EX3DV3 - SN3531; ConvF(8.29, 8.29, 8.29); Calibrated: 7/21/2005
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn500; Calibrated: 2/7/2005
- Phantom: SAM 1; Type: SAM 1; Serial: 1185
- Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 160

d=10mm, Pin=250mW/Area Scan (7x7x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 14.3 mW/g

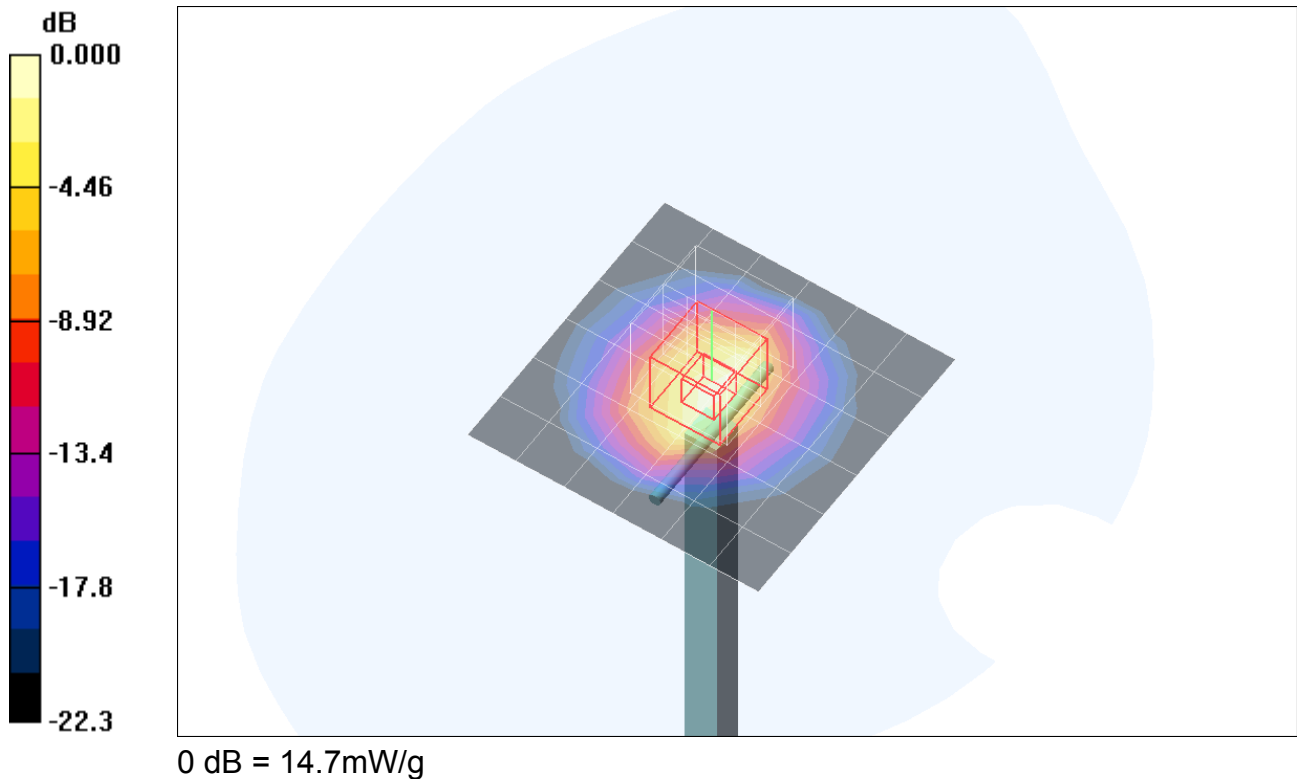
d=10mm, Pin=250mW/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 84.5 V/m; Power Drift = 0.105 dB

Peak SAR (extrapolated) = 27.0 W/kg

SAR(1 g) = 13.1 mW/g; SAR(10 g) = 6.02 mW/g

Maximum value of SAR (measured) = 14.7 mW/g



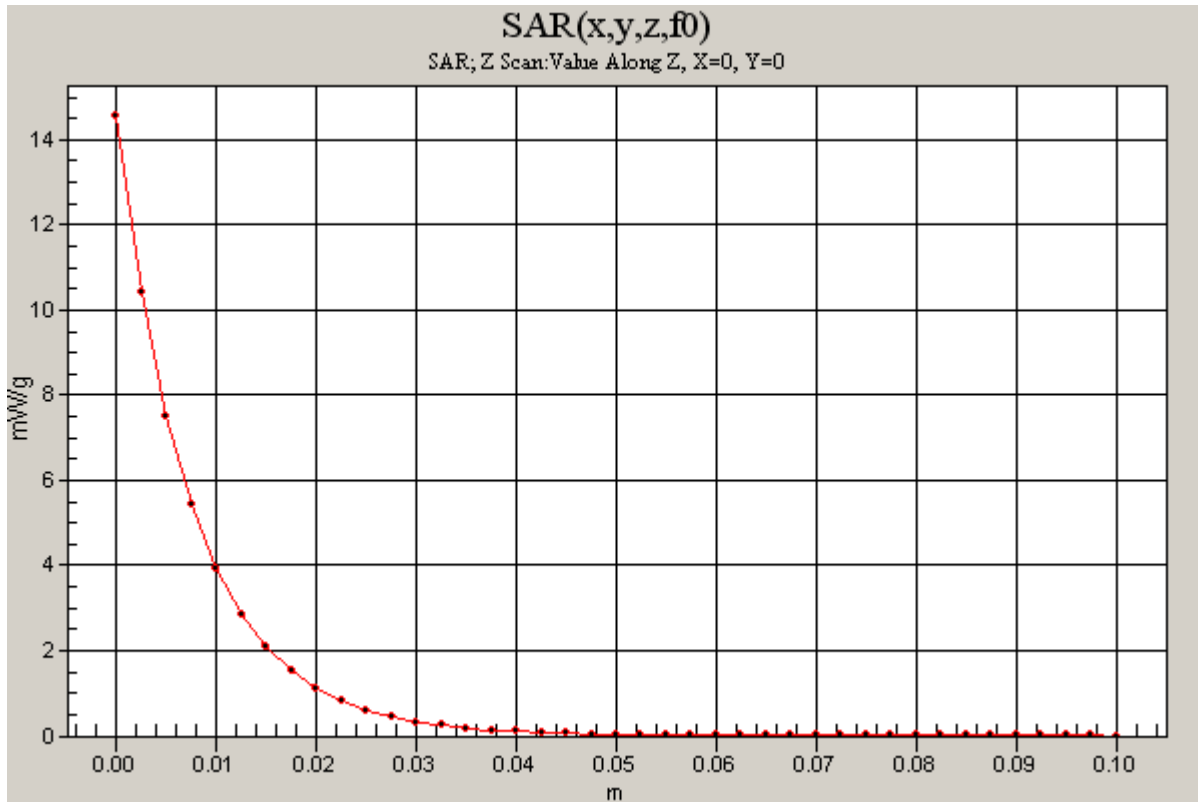
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System Performance Check @ 2450MHz (Body Tissue)

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) = 14.6 mW/g



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SystemPerformanceCheck-D5GHz-uniform

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

Communication System: 5200 - 5800MHz; Frequency: 5200 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 5200$ MHz; $\sigma = 5.41$ mho/m; $\epsilon_r = 48.3$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Room Ambient Temperature: 25.5 deg. C; Liquid Temperature: 25.0 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: EX3DV3 - SN3531; ConvF(5.2, 5.2, 5.2); Calibrated: 7/21/2005
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn500; Calibrated: 2/7/2005
- Phantom: SAM 2; Type: SAM 2; Serial: 1050
- Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 160

d=10mm, Pin=250mW, f=5200 MHz/Area Scan (10x10x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 19.9 mW/g

d=10mm, Pin=250mW, f=5200 MHz/Zoom Scan (4.3x4.3x3mm), dist=2mm (8x8x8)/Cube

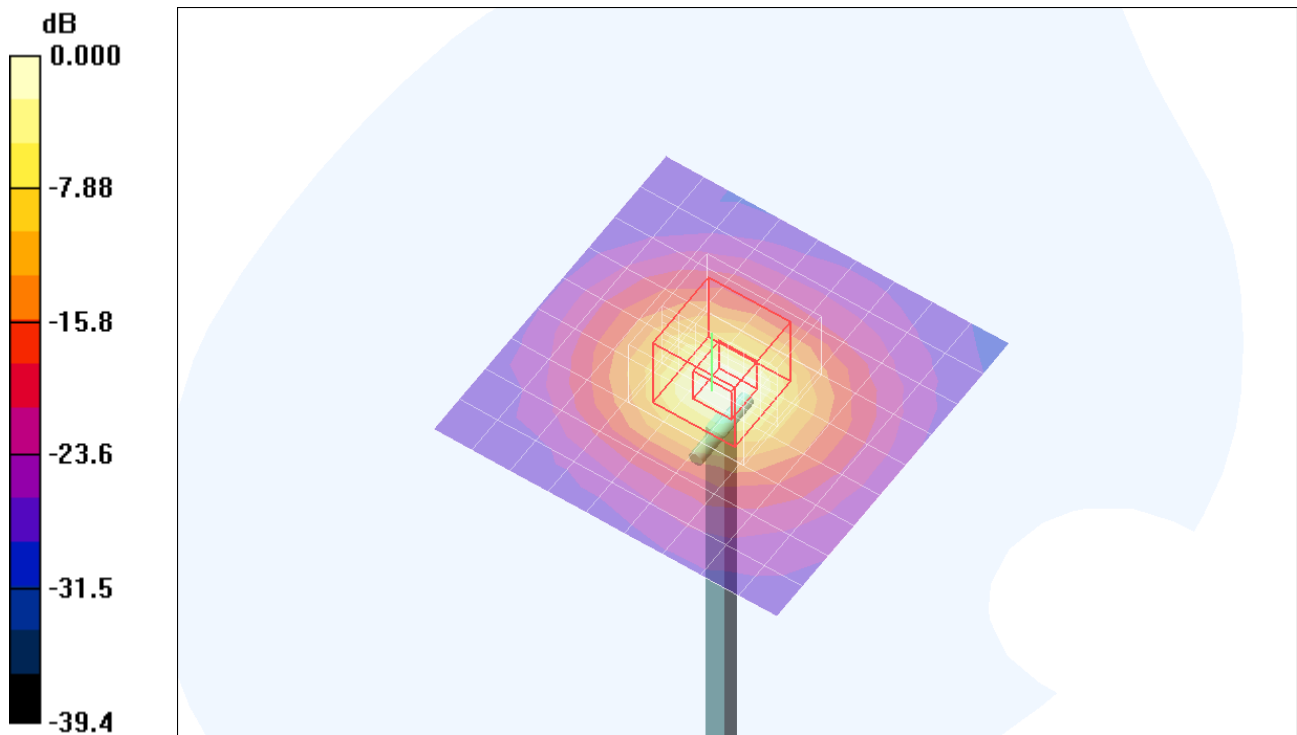
0: Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm

Reference Value = 75.1 V/m; Power Drift = -0.201 dB

Peak SAR (extrapolated) = 60.3 W/kg

SAR(1 g) = 16.7 mW/g; SAR(10 g) = 4.77 mW/g

Maximum value of SAR (measured) = 31.7 mW/g



0 dB = 31.7mW/g

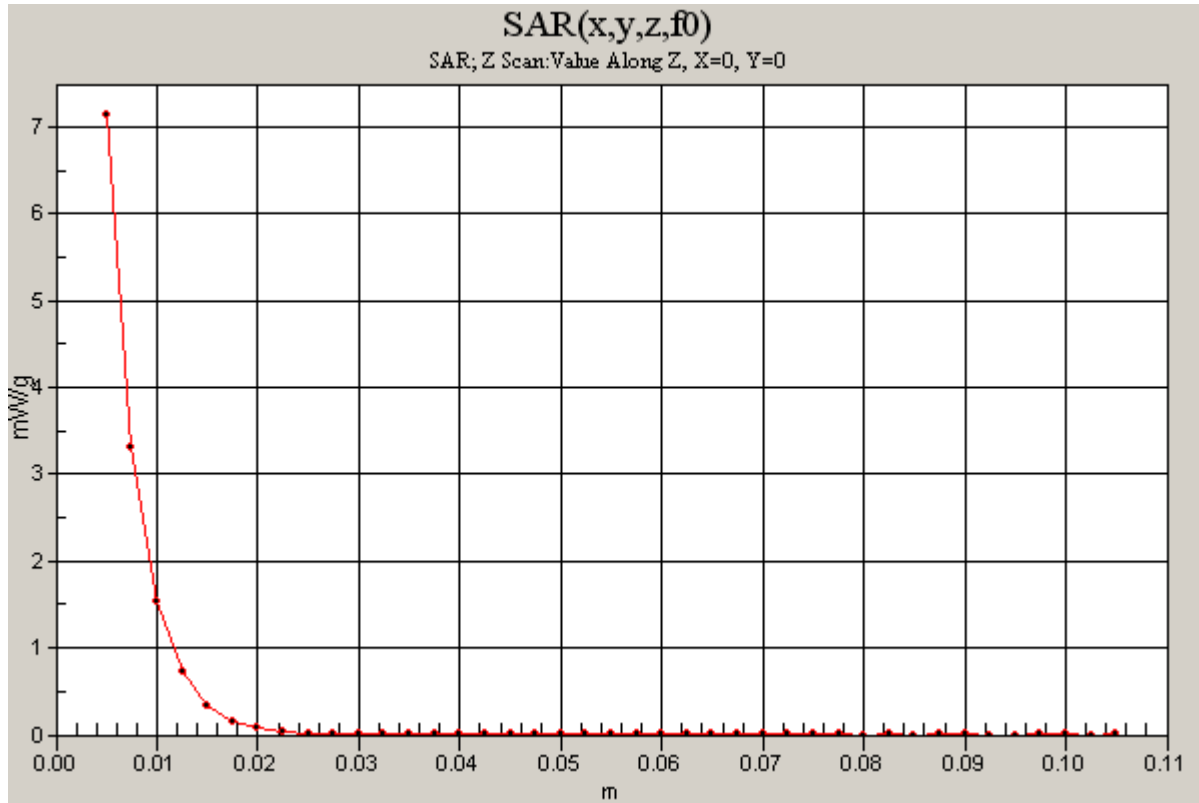
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SystemPerformanceCheck-D5GHz-uniform

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

Communication System: 5200 - 5800MHz; Frequency: 5200 MHz;Duty Cycle: 1:1

d=10mm, Pin=250mW, f=5200 MHz/Z Scan (1x1x41): Measurement grid: dx=20mm, dy=20mm, dz=2.5mm
Maximum value of SAR (measured) = 7.14 mW/g



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SystemPerformanceCheck-D5GHz-uniform

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

Communication System: 5200 - 5800MHz; Frequency: 5800 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 5800$ MHz; $\sigma = 6.26$ mho/m; $\epsilon_r = 47.2$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Room Ambient Temperature: 25.5 deg. C; Liquid Temperature: 25.0 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: EX3DV3 - SN3531; ConvF(4.75, 4.75, 4.75); Calibrated: 7/21/2005
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn500; Calibrated: 2/7/2005
- Phantom: SAM 2; Type: SAM 2; Serial: 1050
- Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 160

d=10mm, Pin=250mW, f=5800 MHz/Area Scan (10x10x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (measured) = 23.3 mW/g

d=10mm, Pin=250mW, f=5800 MHz/Zoom Scan (4.3x4.3x3mm), dist=2mm (8x8x8)/Cube

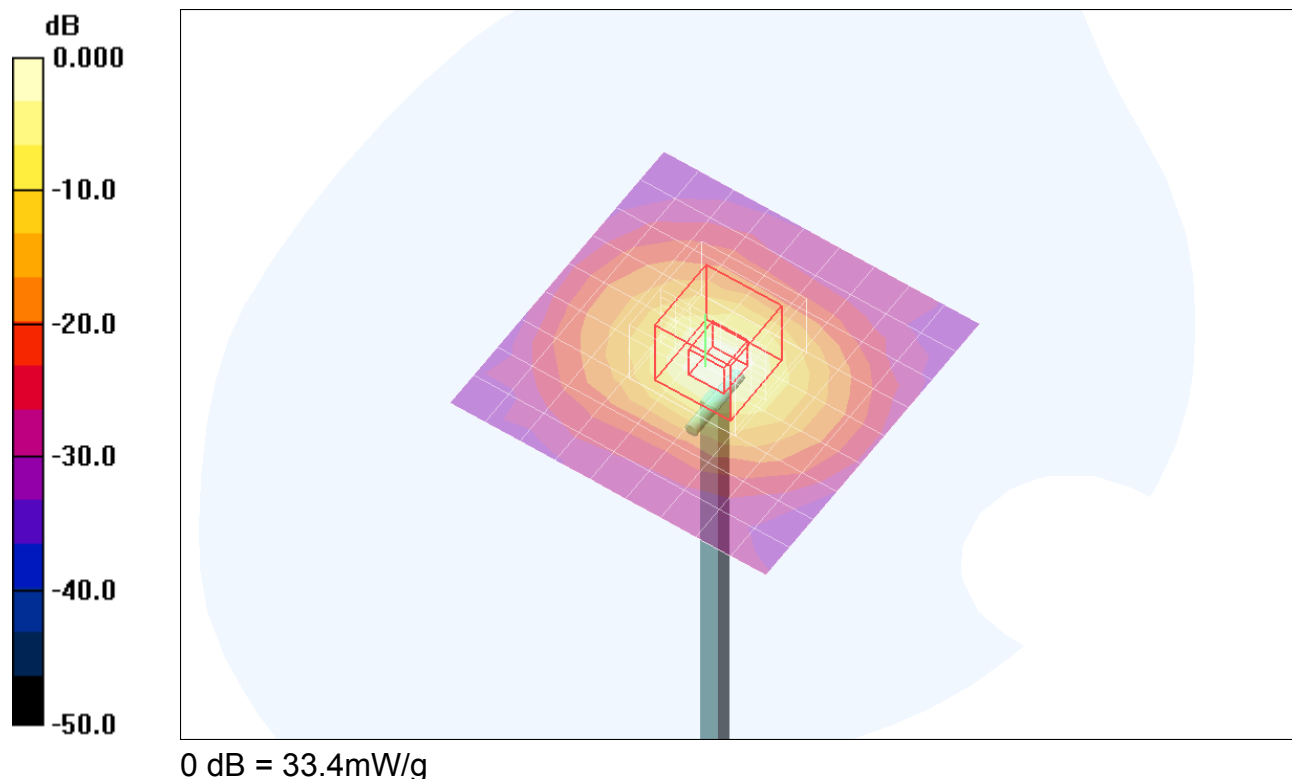
0: Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm

Reference Value = 69.6 V/m; Power Drift = -0.186 dB

Peak SAR (extrapolated) = 72.3 W/kg

SAR(1 g) = 17.4 mW/g; SAR(10 g) = 4.91 mW/g

Maximum value of SAR (measured) = 33.4 mW/g



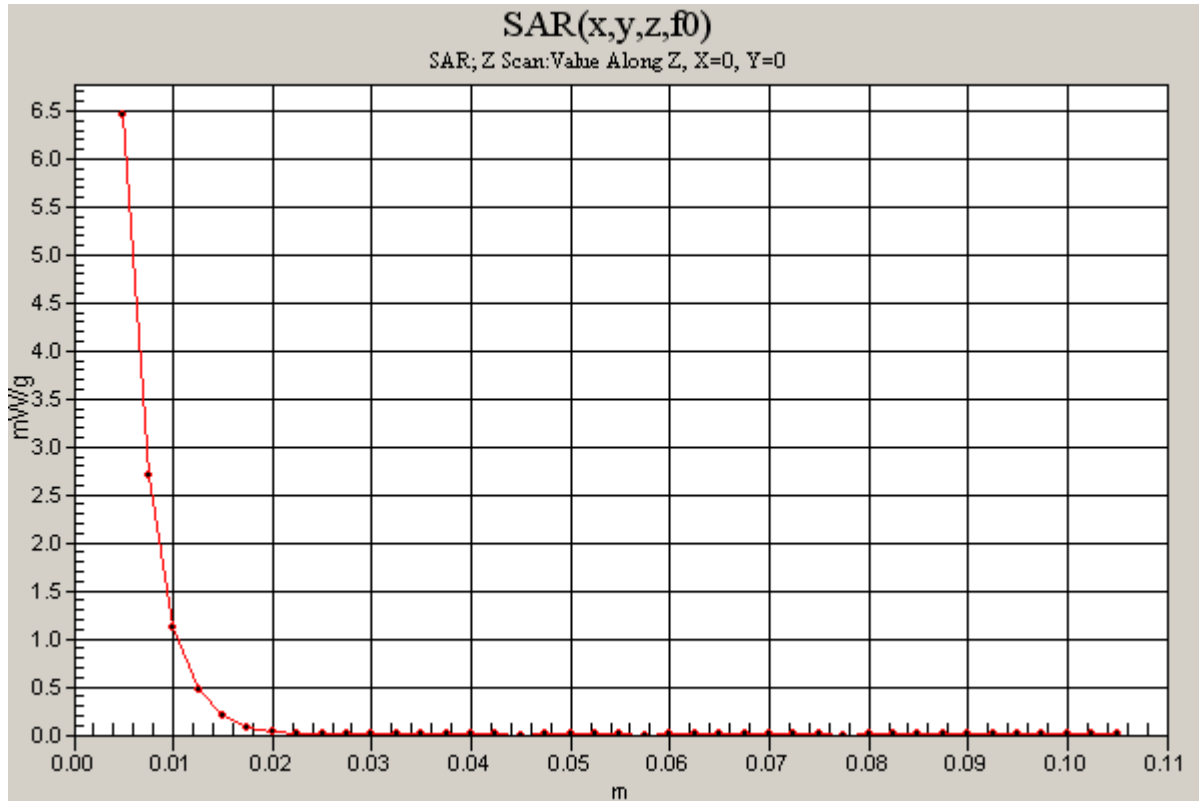
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SystemPerformanceCheck-D5GHz-uniform

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

Communication System: 5200 - 5800MHz; Frequency: 5800 MHz;Duty Cycle: 1:1

d=10mm, Pin=250mW, f=5800 MHz/Z Scan (1x1x41): Measurement grid: dx=20mm, dy=20mm, dz=2.5mm
Maximum value of SAR (measured) = 6.46 mW/g



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SystemPerformanceCheck-D5GHz-uniform

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

Communication System: 5200 - 5800MHz; Frequency: 5200 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 5200$ MHz; $\sigma = 5.4$ mho/m; $\epsilon_r = 47$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Room Ambient Temperature: 25.0 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: EX3DV3 - SN3531; ConvF(5.2, 5.2, 5.2); Calibrated: 7/21/2005
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn500; Calibrated: 2/7/2005
- Phantom: SAM 2; Type: SAM 2; Serial: 1050
- Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 160

d=10mm, Pin=250mW, f=5200 MHz/Area Scan (10x10x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 22.3 mW/g

d=10mm, Pin=250mW, f=5200 MHz/Zoom Scan (4.3x4.3x3mm), dist=2mm (8x8x8)/Cube

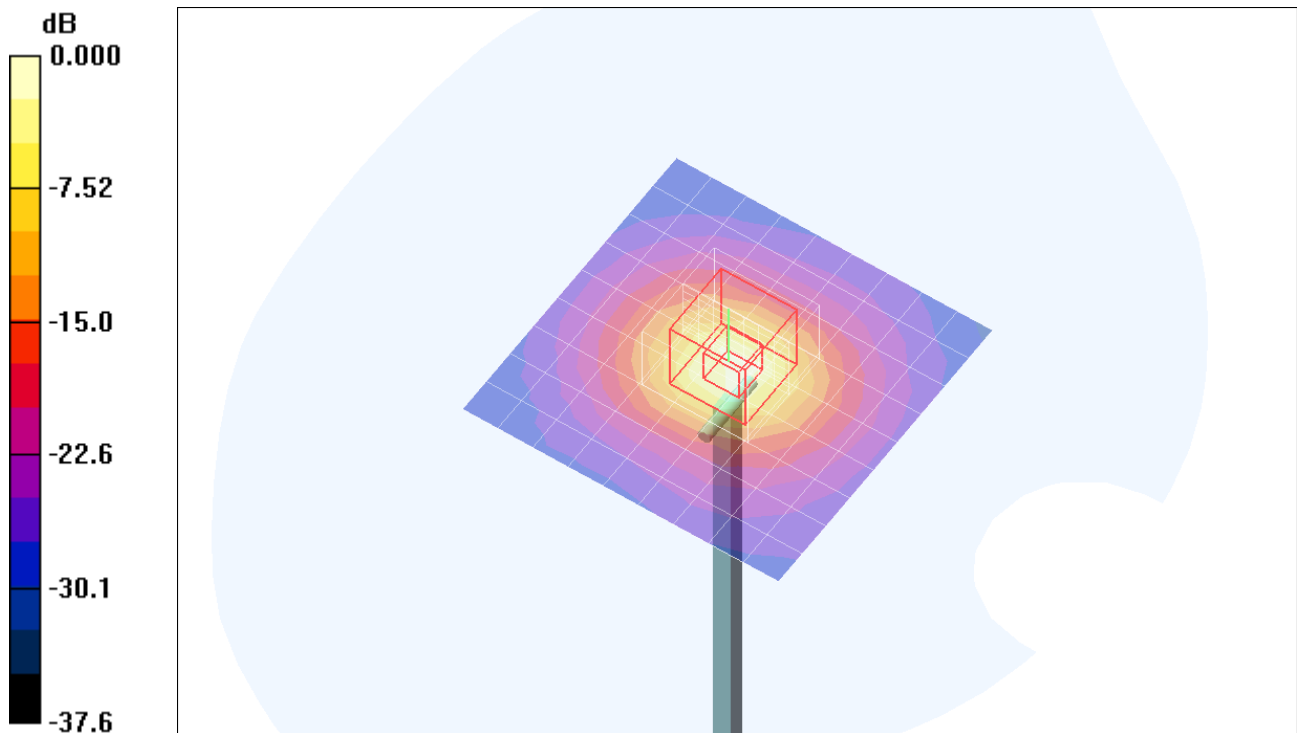
0: Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm

Reference Value = 75.4 V/m; Power Drift = -0.176 dB

Peak SAR (extrapolated) = 63.4 W/kg

SAR(1 g) = 17.6 mW/g; SAR(10 g) = 4.99 mW/g

Maximum value of SAR (measured) = 34.0 mW/g



0 dB = 34.0mW/g

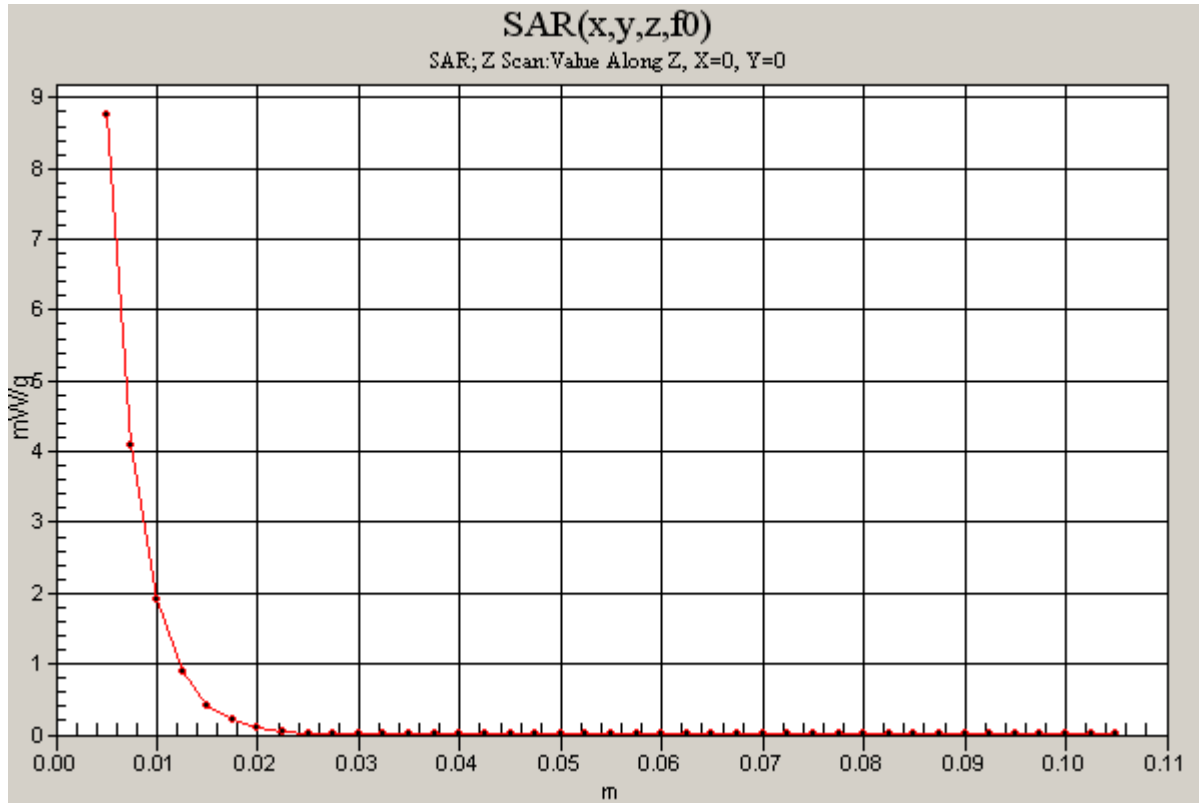
Test Laboratory: Compliance Certification Services

SystemPerformanceCheck-D5GHz-uniform

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

Communication System: 5200 - 5800MHz; Frequency: 5200 MHz;Duty Cycle: 1:1

d=10mm, Pin=250mW, f=5200 MHz/Z Scan (1x1x41): Measurement grid: dx=20mm, dy=20mm, dz=2.5mm
Maximum value of SAR (measured) = 8.76 mW/g



Test Laboratory: Compliance Certification Services

SystemPerformanceCheck-D5GHz-uniform

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

Communication System: 5200 - 5800MHz; Frequency: 5800 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 5800$ MHz; $\sigma = 6.24$ mho/m; $\epsilon_r = 45.8$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Room Ambient Temperature: 25.0 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: EX3DV3 - SN3531; ConvF(4.75, 4.75, 4.75); Calibrated: 7/21/2005
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn500; Calibrated: 2/7/2005
- Phantom: SAM 2; Type: SAM 2; Serial: 1050
- Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 160

d=10mm, Pin=250mW, f=5800 MHz/Area Scan (10x10x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (measured) = 21.2 mW/g

d=10mm, Pin=250mW, f=5800 MHz/Zoom Scan (4.3x4.3x3mm), dist=2mm (8x8x8)/Cube

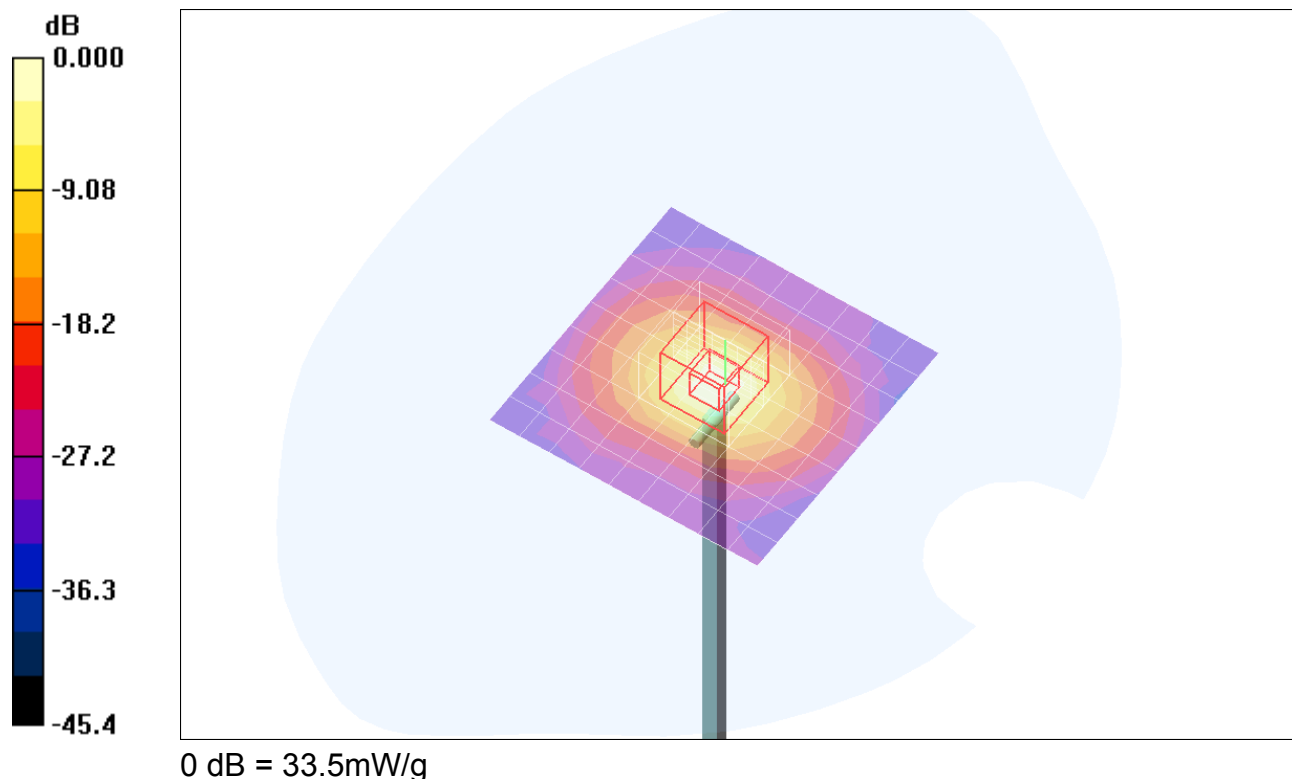
0: Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm

Reference Value = 68.2 V/m; Power Drift = -0.076 dB

Peak SAR (extrapolated) = 69.5 W/kg

SAR(1 g) = 17.2 mW/g; SAR(10 g) = 4.84 mW/g

Maximum value of SAR (measured) = 33.5 mW/g



Test Laboratory: Compliance Certification Services

SystemPerformanceCheck-D5GHz-uniform

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

Communication System: 5200 - 5800MHz; Frequency: 5800 MHz;Duty Cycle: 1:1

d=10mm, Pin=250mW, f=5800 MHz/Z Scan (1x1x41): Measurement grid: dx=20mm, dy=20mm, dz=2.5mm
Maximum value of SAR (measured) = 6.65 mW/g

