

Test Laboratory: Compliance Certification Services

System Performance Check @ 2450 MHz

DUT: Dipole 2450 MHz; Type: D2450V2; Serial: D2450V2 - SN:706

Communication System: CW - 2450 MHz; Frequency: 2450 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 2450$ MHz; $\sigma = 2.02$ mho/m; $\epsilon_r = 52.2$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Room Ambient Temperature: 23.0deg. C; Liquid Temperature: 22.0 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(7.08, 7.08, 7.08); Calibrated: 5/30/2006
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 SN558; Calibrated: 1/20/2006
- Phantom: SAM 2; Type: SAM 2; Serial: 1050
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

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

Maximum value of SAR (measured) = 15.4 mW/g

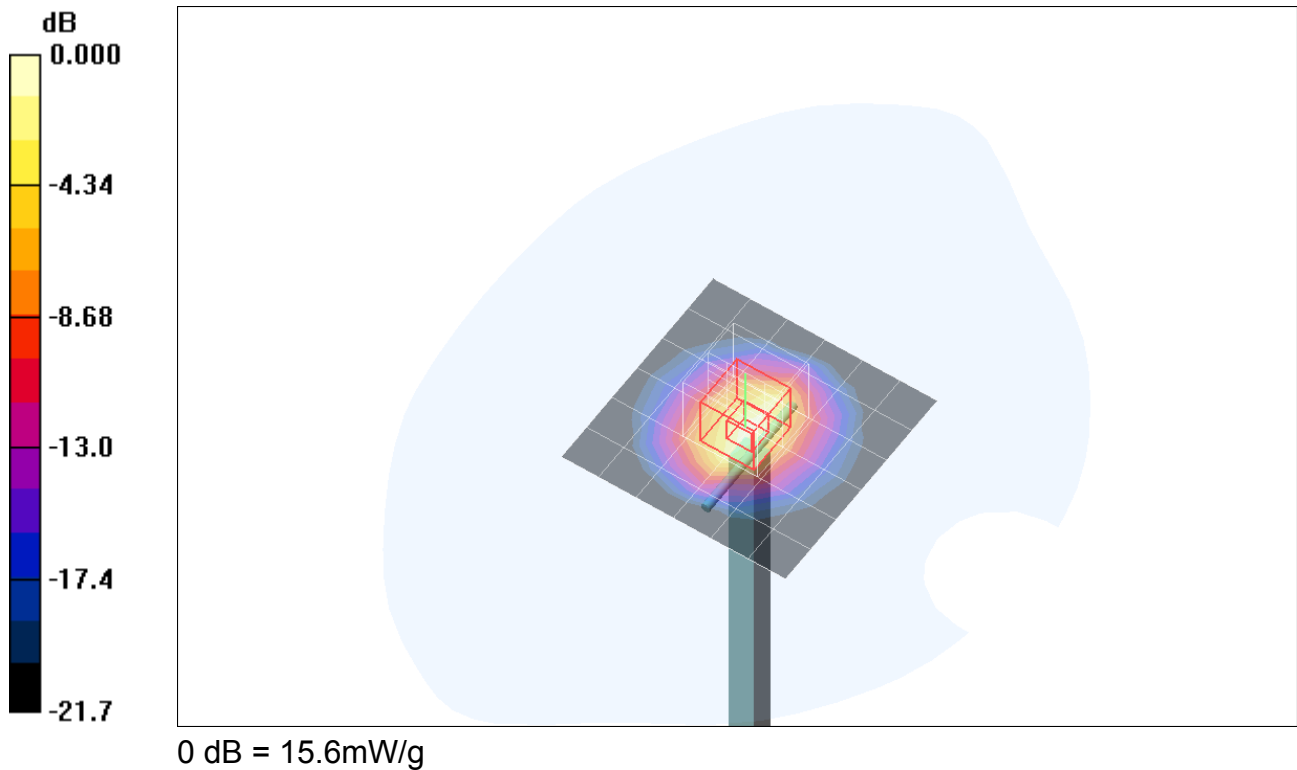
d=10mm, Pin=250mW/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 87.7 V/m; Power Drift = 0.013 dB

Peak SAR (extrapolated) = 28.0 W/kg

SAR(1 g) = 13.5 mW/g; SAR(10 g) = 6.18 mW/g

Maximum value of SAR (measured) = 15.6 mW/g



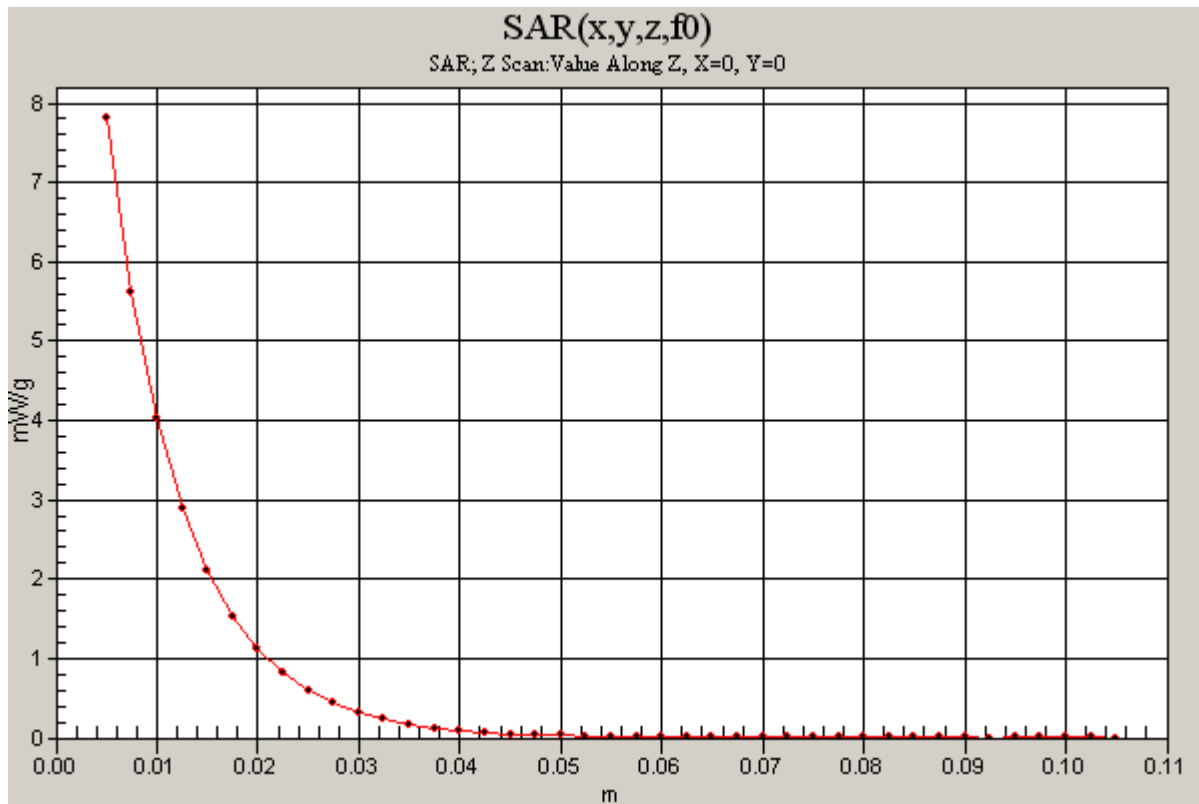
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System Performance Check @ 2450 MHz

DUT: Dipole 2450 MHz; Type: D2450V2; Serial: D2450V2 - SN:706

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) = 7.81 mW/g



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System Performance Check - D5.2GHz

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; $\sigma = 5.37$ mho/m; $\epsilon_r = 50.3$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Room Ambient Temperature: 24.0deg. 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(4.07, 4.07, 4.07); Calibrated: 5/30/2006
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 SN558; Calibrated: 1/20/2006
- Phantom: SAM 2; Type: SAM 2; Serial: 1050
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

d=10mm, Pin=250mW, f=5200 MHz/Area Scan (10x10x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (measured) = 22.0 mW/g

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

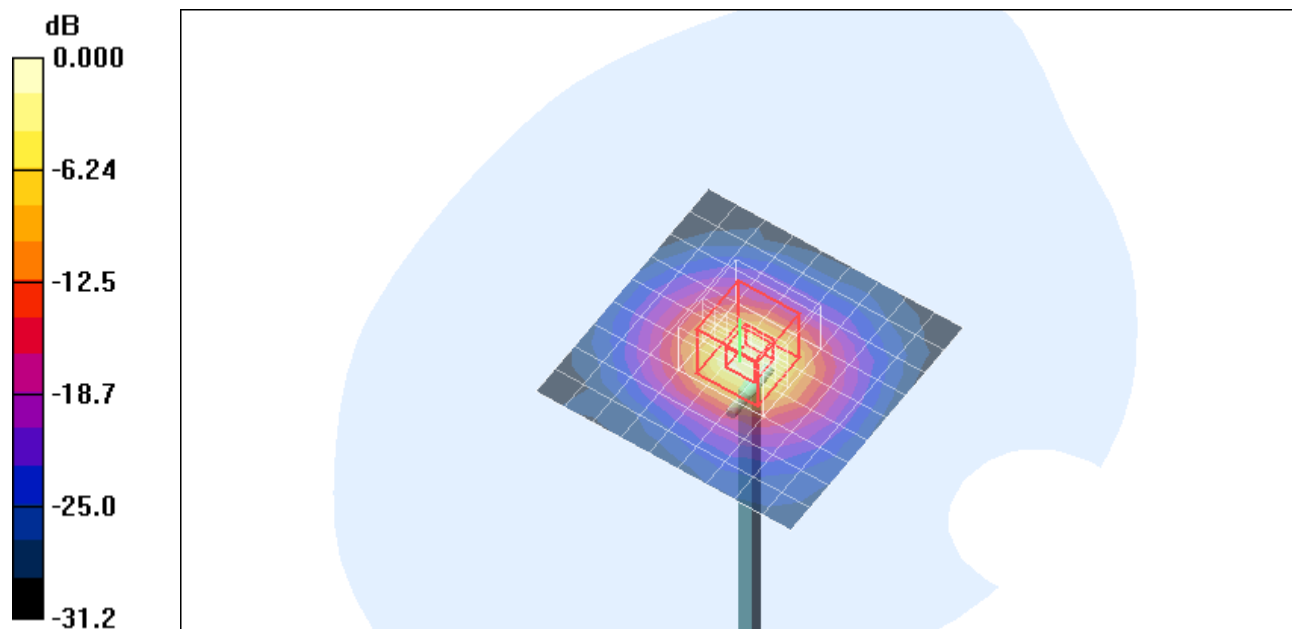
0: Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm

Reference Value = 90.0 V/m; Power Drift = -0.080 dB

Peak SAR (extrapolated) = 73.3 W/kg

SAR(1 g) = 18.2 mW/g; SAR(10 g) = 5.17 mW/g

Maximum value of SAR (measured) = 34.7 mW/g



0 dB = 34.7mW/g

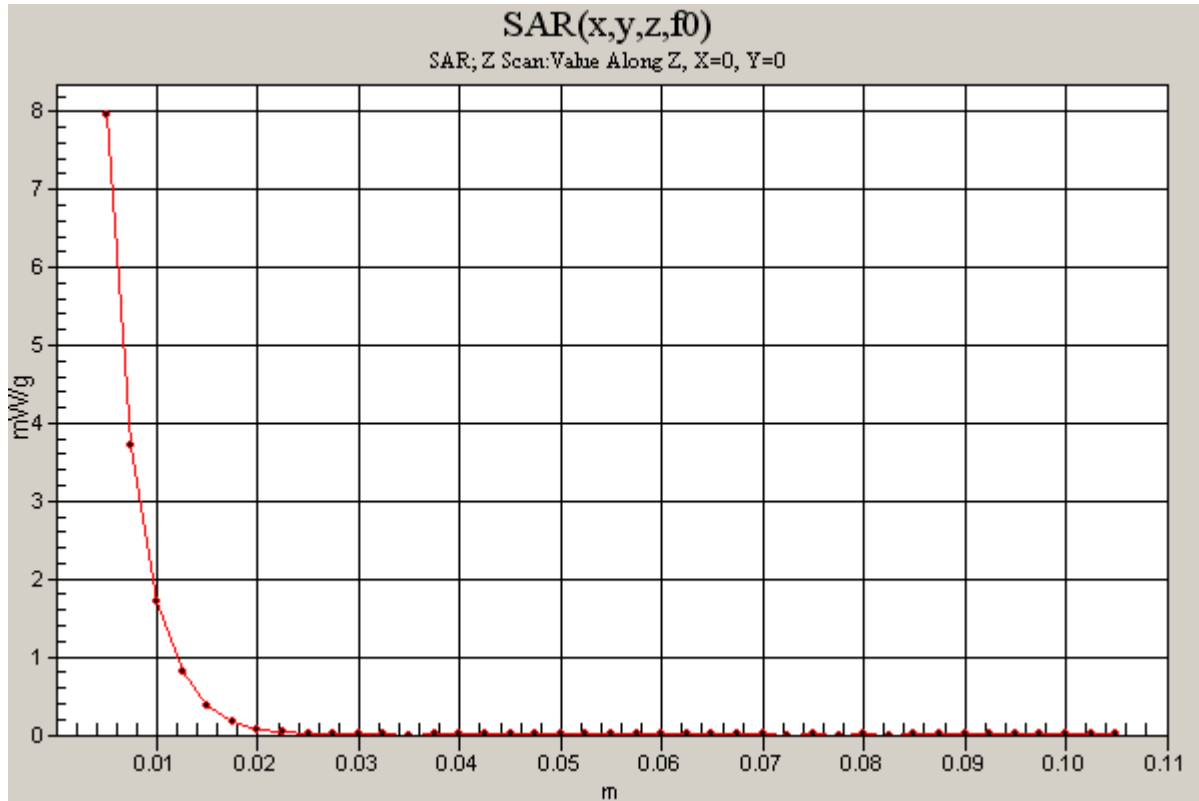
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System Performance Check - D5.2GHz

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) = 7.96 mW/g



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System Performance Check - D5.2GHz

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; $\sigma = 5.38$ mho/m; $\epsilon_r = 50$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

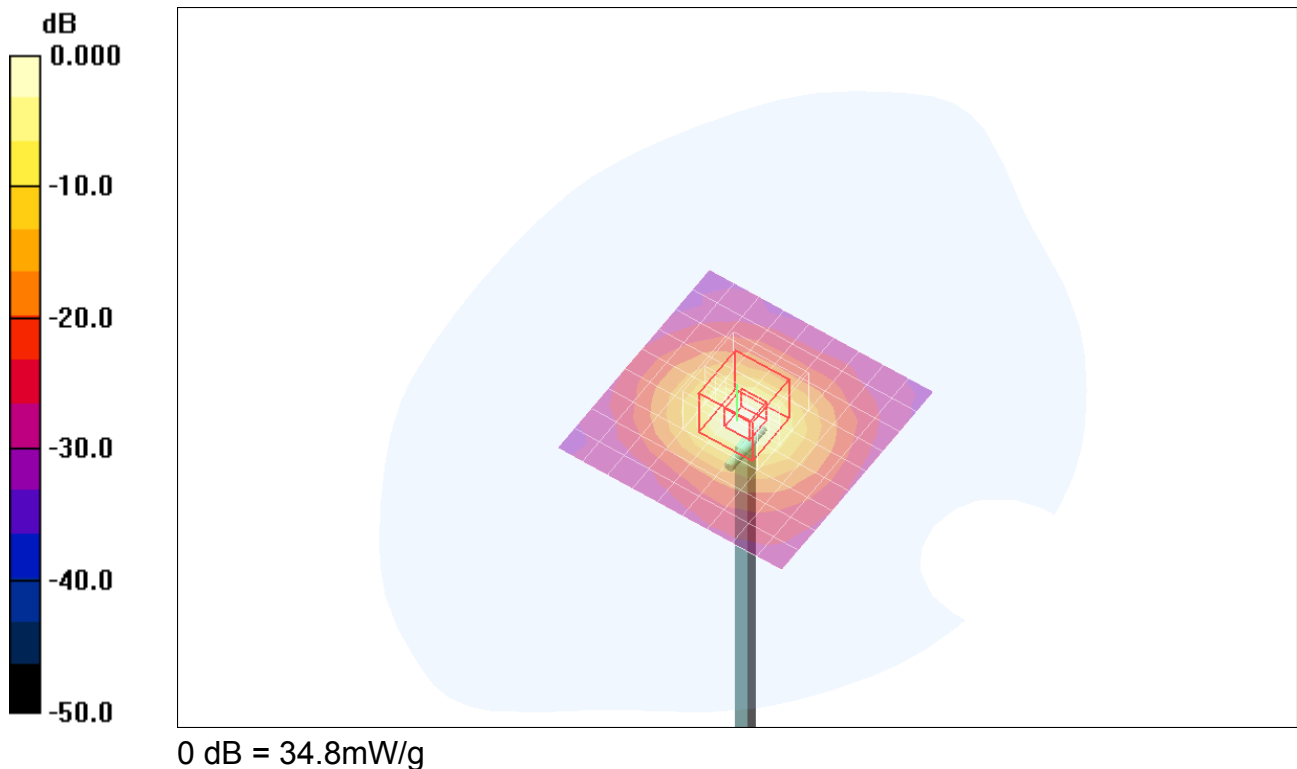
Room Ambient Temperature: 24.0deg. C; Liquid Temperature: 23.0 deg. C

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(4.07, 4.07, 4.07); Calibrated: 5/30/2006
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 SN558; Calibrated: 1/20/2006
- Phantom: SAM 2; Type: SAM 2; Serial: 1050
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

d=10mm, Pin=250mW, f=5200 MHz/Area Scan (10x10x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (measured) = 22.0 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 = 90.2 V/m; Power Drift = -0.0710 dB
Peak SAR (extrapolated) = 73.4 W/kg
SAR(1 g) = 18.3 mW/g; SAR(10 g) = 5.18 mW/g
Maximum value of SAR (measured) = 34.8 mW/g



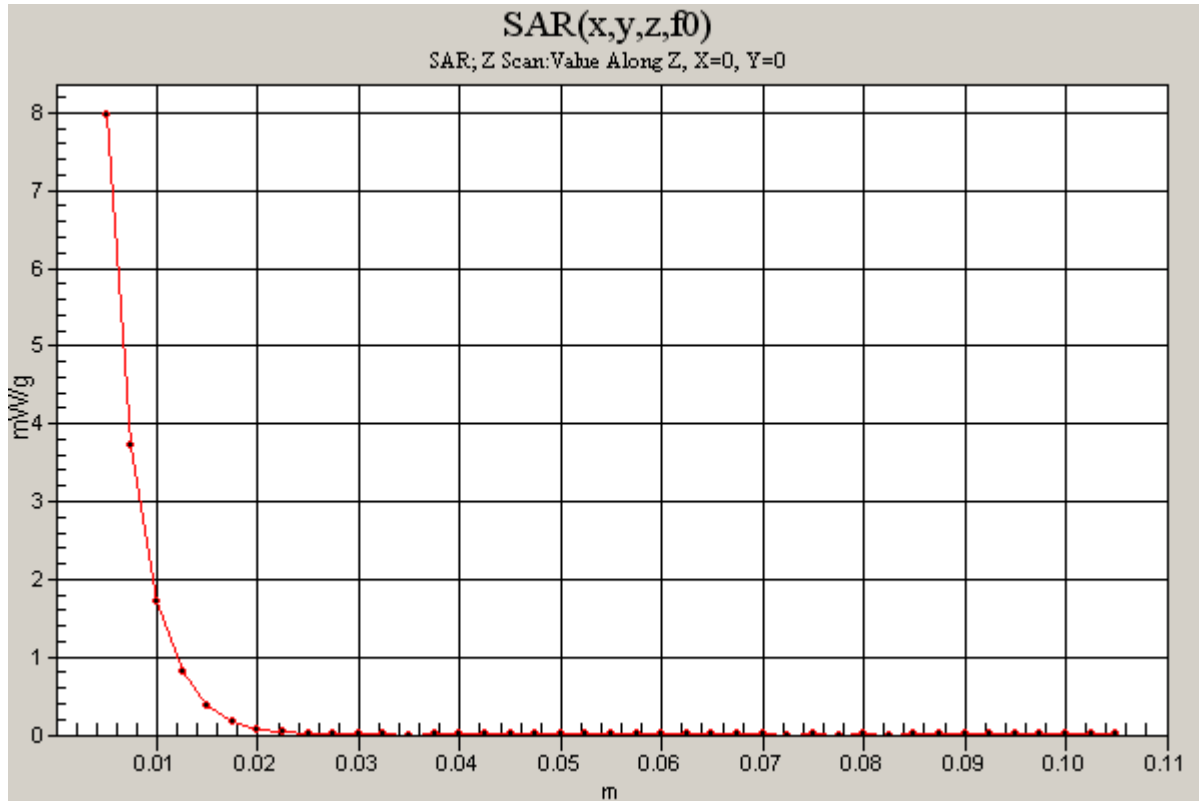
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System Performance Check - D5.2GHz

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) = 7.97 mW/g



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System Performance Check - D5.8GHz

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; $\epsilon_r = 49.1$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Room Ambient Temperature: 24.0deg. 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(3.76, 3.76, 3.76); Calibrated: 5/30/2006
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 SN558; Calibrated: 1/20/2006
- Phantom: SAM 2; Type: SAM 2; Serial: 1050
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

d=10mm, Pin=250mW, f=5800 MHz/Area Scan (10x10x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 22.0 mW/g

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

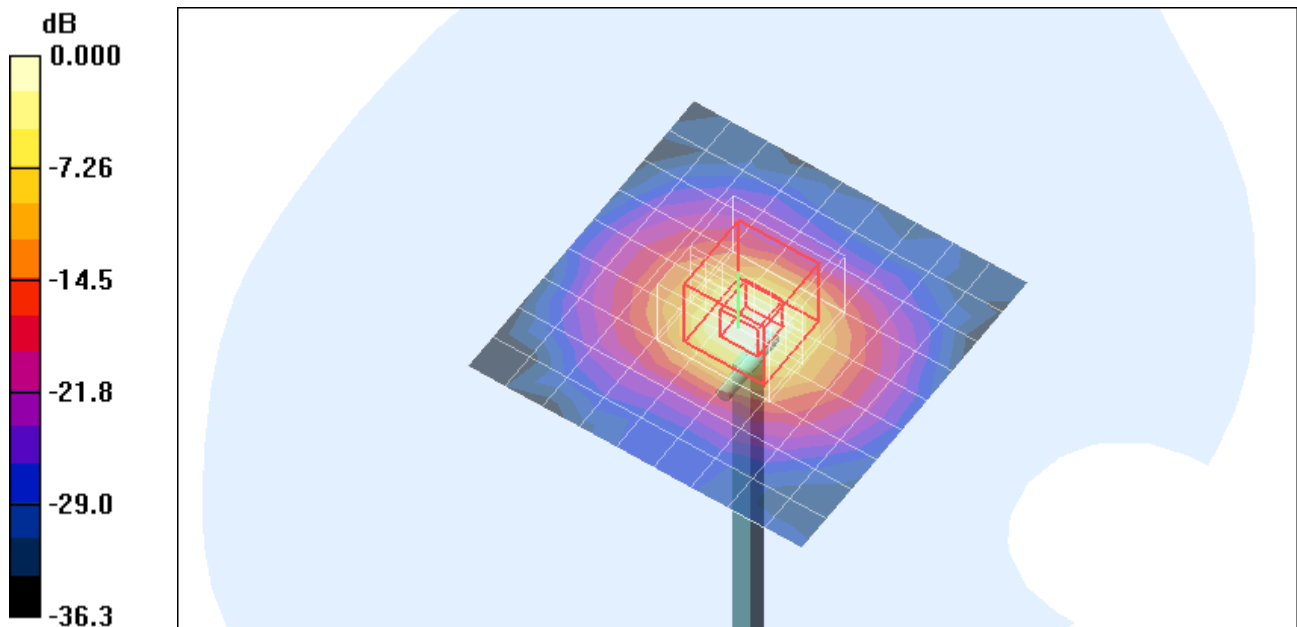
0: Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm

Reference Value = 81.1 V/m; Power Drift = -0.134 dB

Peak SAR (extrapolated) = 80.9 W/kg

SAR(1 g) = 17.1 mW/g; SAR(10 g) = 4.73 mW/g

Maximum value of SAR (measured) = 33.9 mW/g



0 dB = 33.9mW/g

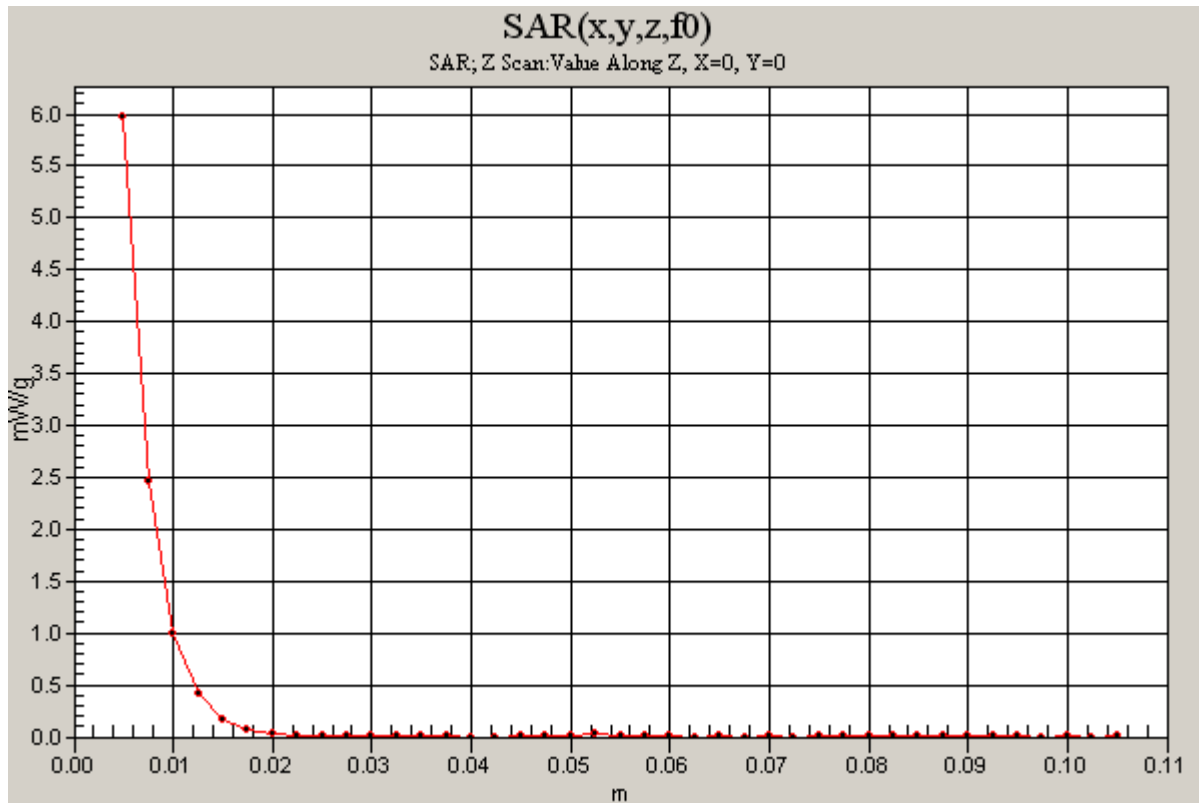
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System Performance Check - D5.8GHz

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) = 5.97 mW/g



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System Performance Check - D5.8GHz

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; $\epsilon_r = 48.8$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Room Ambient Temperature: 24.0deg. 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(3.76, 3.76, 3.76); Calibrated: 5/30/2006
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 SN558; Calibrated: 1/20/2006
- Phantom: SAM 2; Type: SAM 2; Serial: 1050
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

d=10mm, Pin=250mW, f=5800 MHz/Area Scan (10x10x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 22.0 mW/g

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

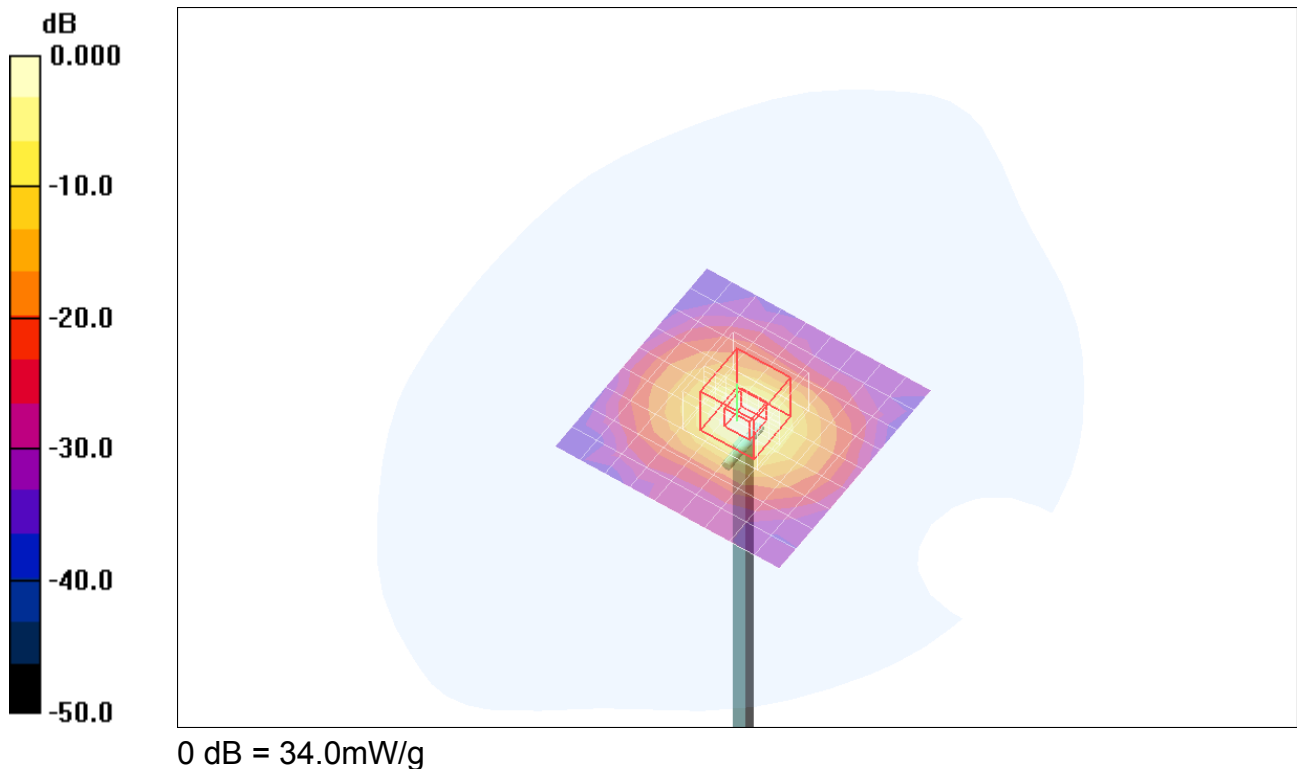
0: Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm

Reference Value = 80.8 V/m; Power Drift = -0.107 dB

Peak SAR (extrapolated) = 81.0 W/kg

SAR(1 g) = 17.1 mW/g; SAR(10 g) = 4.73 mW/g

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



Test Laboratory: Compliance Certification Services

System Performance Check - D5.8GHz

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) = 5.98 mW/g

