

Test Laboratory: Compliance Certification Services

System Performance Check @ 900MHz

DUT: Dipole 900 MHz; Type: D900V2; Serial: 108

Communication System: CW 900 MHz; Frequency: 900 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 900 \text{ MHz}$; $\sigma = 1.02 \text{ mho/m}$; $\epsilon_r = 53.4$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Room Ambient Temperature: 23.0deg. C; Liquid Temperature: 21.0 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(10.09, 10.09, 10.09); Calibrated: 7/21/2005
- Sensor-Surface: 4mm (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=15mm, Pin=250mW/Area Scan (7x9x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 2.88 mW/g

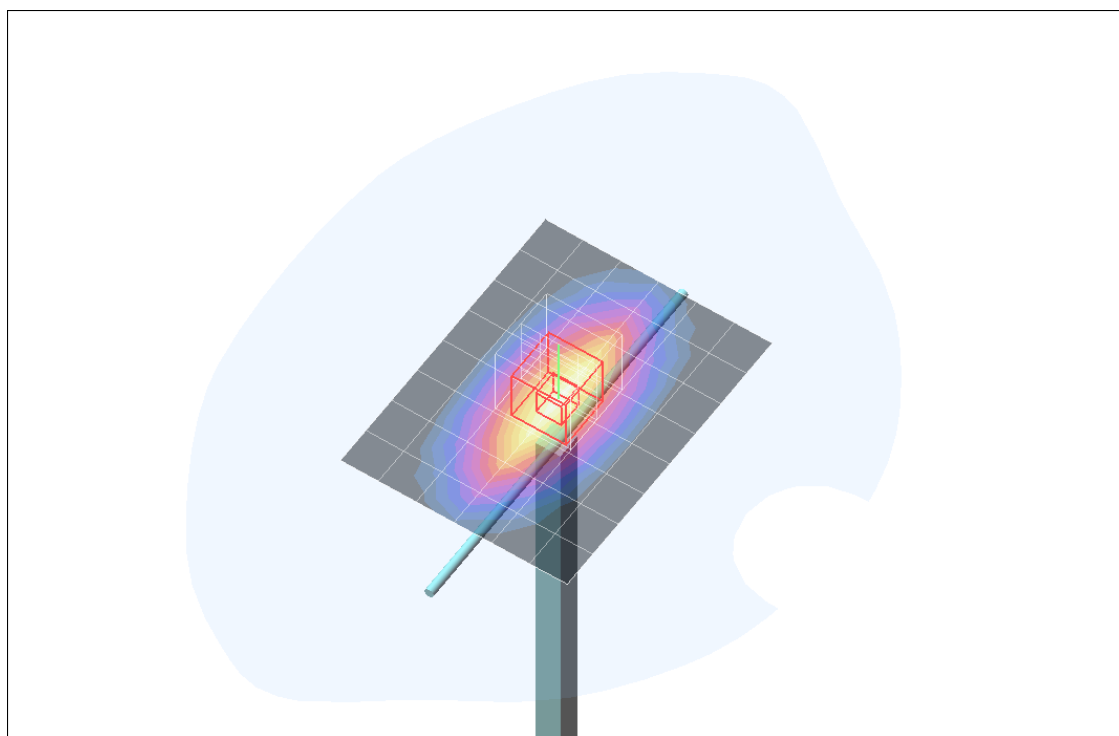
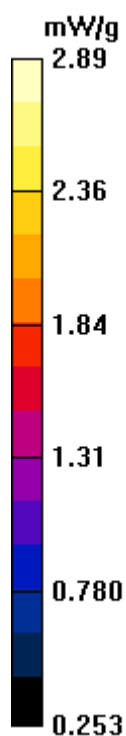
d=15mm, Pin=250mW/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 57.4 V/m; Power Drift = 0.007 dB

Peak SAR (extrapolated) = 3.97 W/kg

SAR(1 g) = 2.67 mW/g; SAR(10 g) = 1.74 mW/g

Maximum value of SAR (measured) = 2.89 mW/g



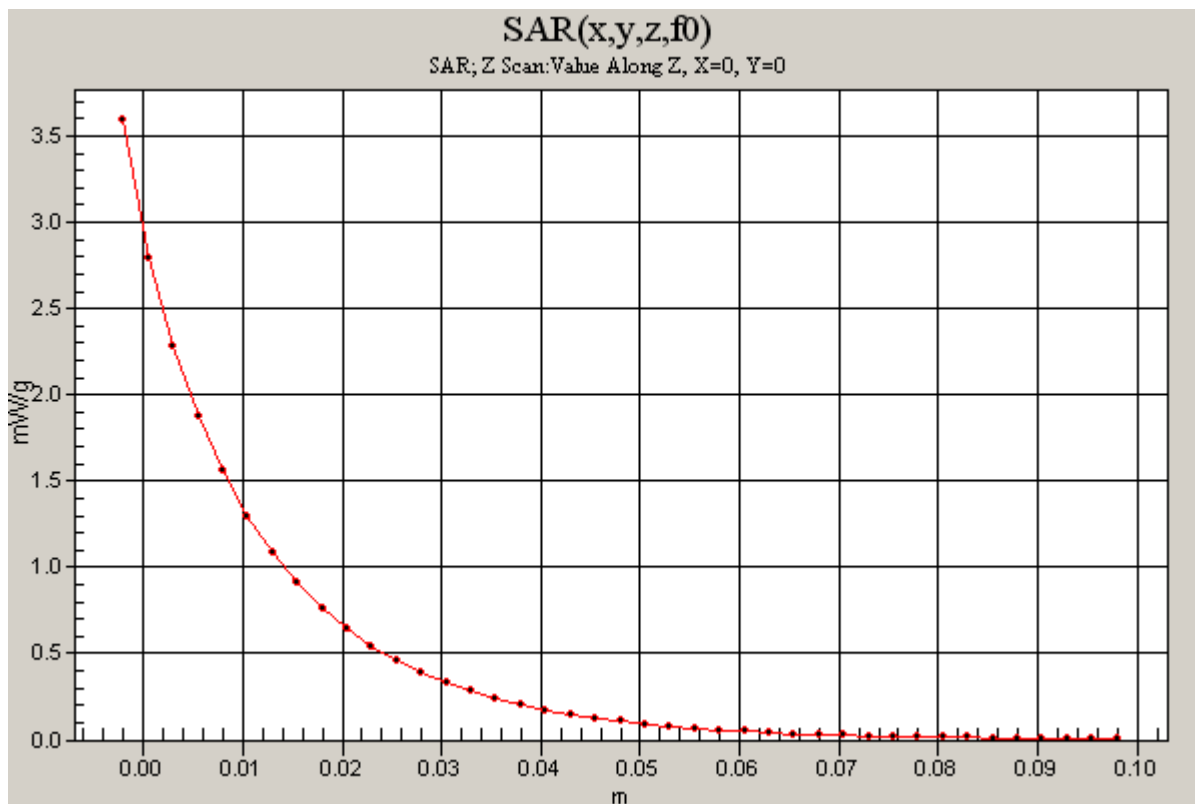
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System Performance Check @ 900MHz

DUT: Dipole 900 MHz; Type: D900V2; Serial: 108

Communication System: CW 900 MHz; Frequency: 900 MHz; Duty Cycle: 1:1

d=15mm, Pin=250mW/Z Scan (1x1x41): Measurement grid: dx=20mm, dy=20mm, dz=2.5mm
Maximum value of SAR (measured) = 3.59 mW/g



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System Performance Check @ 1800MHz

DUT: Dipole 1800 MHz; Type: D1800V2; Serial: 294

Communication System: CW; Frequency: 1800 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 1800 \text{ MHz}$; $\sigma = 1.55 \text{ mho/m}$; $\epsilon_r = 53.0$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Room Ambient Temperature: 23.0deg. C; Liquid Temperature: 21.5 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(8.41, 8.41, 8.41); Calibrated: 7/21/2005
- 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, V4.6 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) = 12.2 mW/g

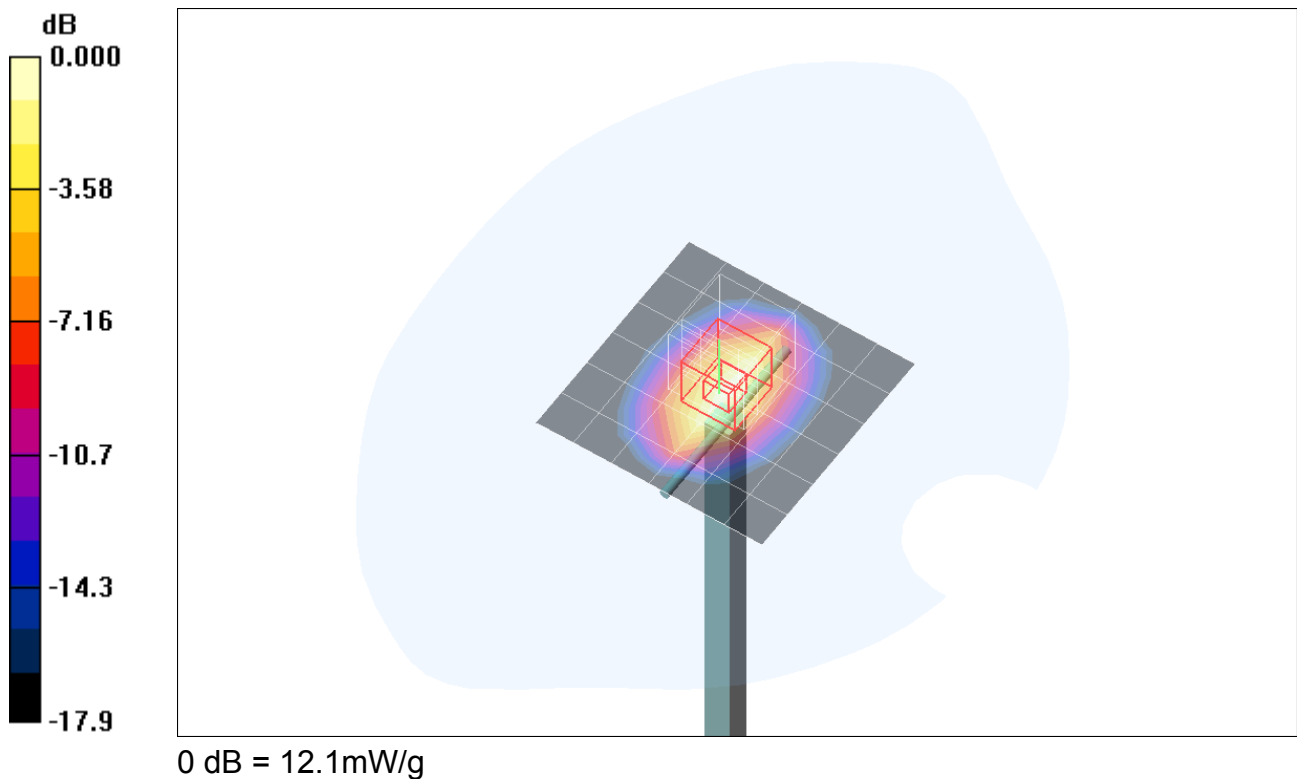
d=10mm; Pin=250mW/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 96.7 V/m; Power Drift = -0.043 dB

Peak SAR (extrapolated) = 15.4 W/kg

SAR(1 g) = 9.24 mW/g; SAR(10 g) = 4.87 mW/g

Maximum value of SAR (measured) = 12.1 mW/g



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System Performance Check @ 1800MHz

DUT: Dipole 1800 MHz; Type: D1800V2; Serial: 294

Communication System: CW; Frequency: 1800 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) = 10.5 mW/g

