



Appendix A. Plots of System Performance Check

System Check_B835_160607

DUT: Dipole 835 MHz D835V2_ SN: 4d167

Communication System: CW; Frequency: 835 MHz; Duty Cycle: 1:1

Medium: B835_160607 Medium parameters used: $f = 835$ MHz; $\sigma = 0.996$ S/m; $\epsilon_r = 56.534$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.4 °C; **Liquid Temperature** : 22.5 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3976; ConvF(9.93, 9.93, 9.93); Calibrated: 2016/2/22;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1424; Calibrated: 2016/2/16
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:1238
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Pin=250mW/Area Scan (61x61x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 2.58 W/kg

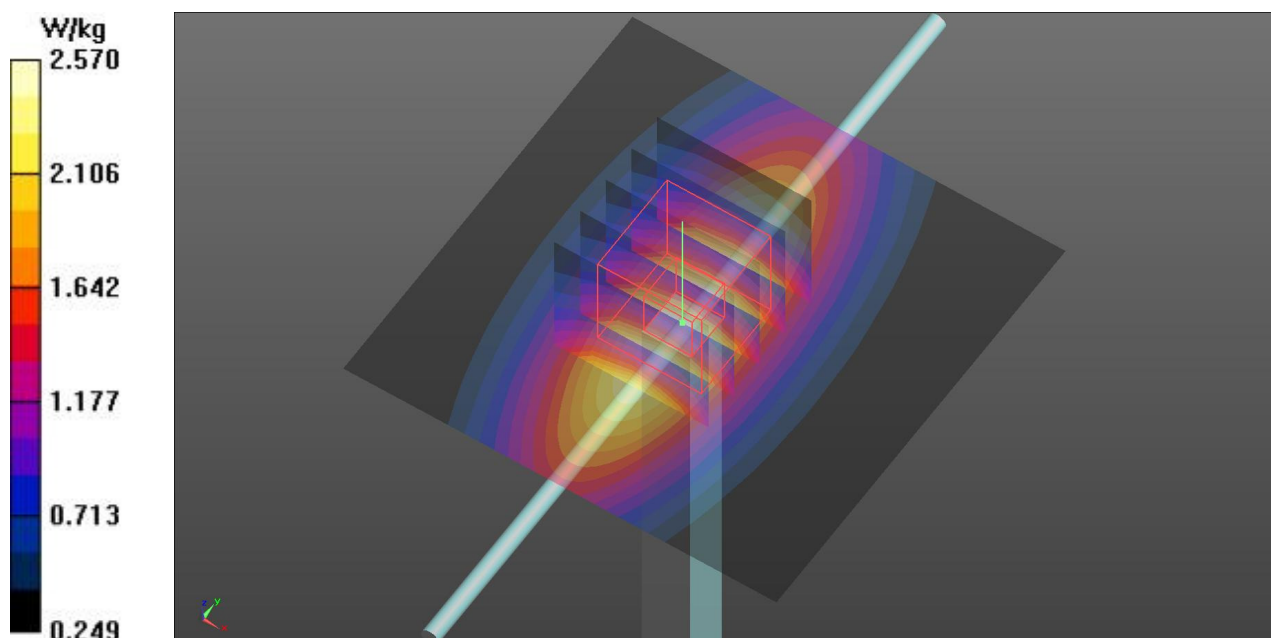
Pin=250mW/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 50.81 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 3.24 W/kg

SAR(1 g) = 2.21 W/kg; SAR(10 g) = 1.47 W/kg

Maximum value of SAR (measured) = 2.57 W/kg



System Check_B1900_160603

DUT: Dipole 1900 MHz_SN: 5d185

Communication System: CW; Frequency: 1900 MHz; Duty Cycle: 1:1

Medium: B1900_160603 Medium parameters used: $f = 1900$ MHz; $\sigma = 1.533$ S/m; $\epsilon_r = 54.1$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.5 °C; **Liquid Temperature** : 22.3 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3976; ConvF(8.06, 8.06, 8.06); Calibrated: 2016/2/22;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1424; Calibrated: 2016/2/16
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:1238
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Pin=250mW/Area Scan (61x61x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 13.5 W/kg

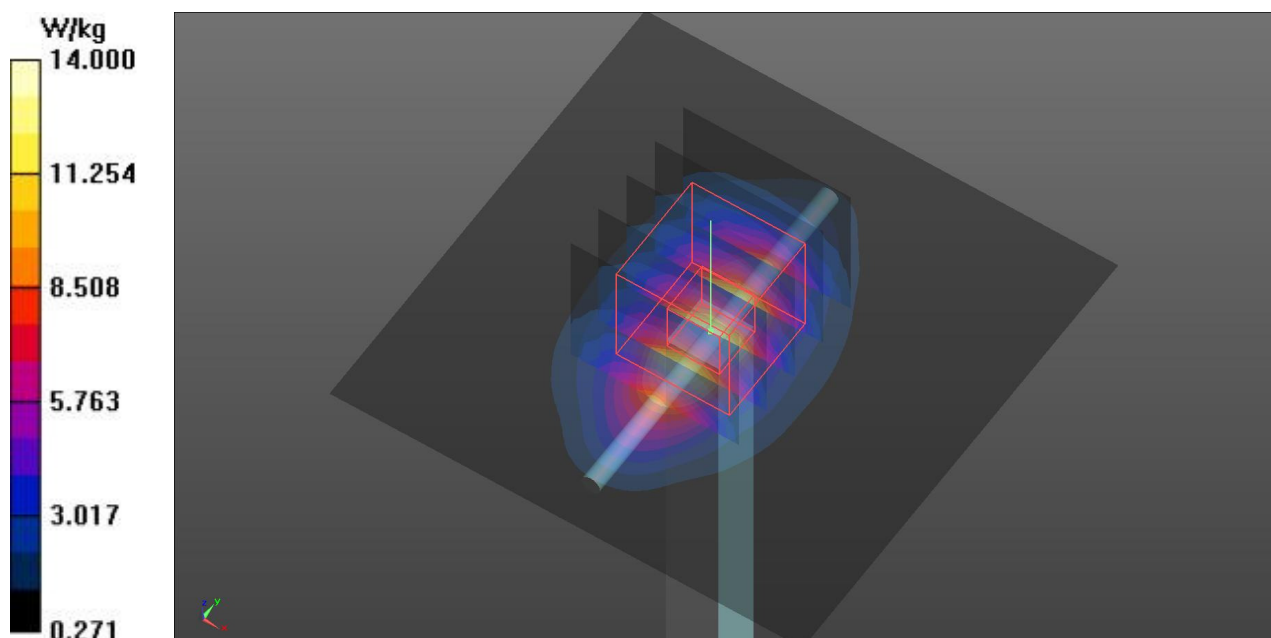
Pin=250mW/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 89.96 V/m; Power Drift = 0.16 dB

Peak SAR (extrapolated) = 17.4 W/kg

SAR(1 g) = 9.84 W/kg; SAR(10 g) = 5.18 W/kg

Maximum value of SAR (measured) = 14.0 W/kg



System Check_B2450_160607**DUT: Dipole 2450MHz D2450V2_ SN: 929**

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

Medium: B2450_160607 Medium parameters used: $f = 2450$ MHz; $\sigma = 1.934$ S/m; $\epsilon_r = 52.846$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.5 °C; **Liquid Temperature** : 22.5 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3976; ConvF(7.45, 7.45, 7.45); Calibrated: 2016/2/22;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1424; Calibrated: 2016/2/16
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:1238
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Pin=250mW/Area Scan (61x61x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 18.1 W/kg

Pin=250mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 97.54 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 24.4 W/kg

SAR(1 g) = 11.9 W/kg; SAR(10 g) = 5.5 W/kg

Maximum value of SAR (measured) = 18.1 W/kg

