



Appendix A. Plots of System Performance Check

System Check_B2450_160802

DUT: Dipole 2450MHz D2450V2_ SN: 929

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

Medium: B2450_160802 Medium parameters used: $f = 2450$ MHz; $\sigma = 1.911$ S/m; $\epsilon_r = 51.83$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.5 °C; **Liquid Temperature** : 22.3 °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 (81x81x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 19.1 W/kg

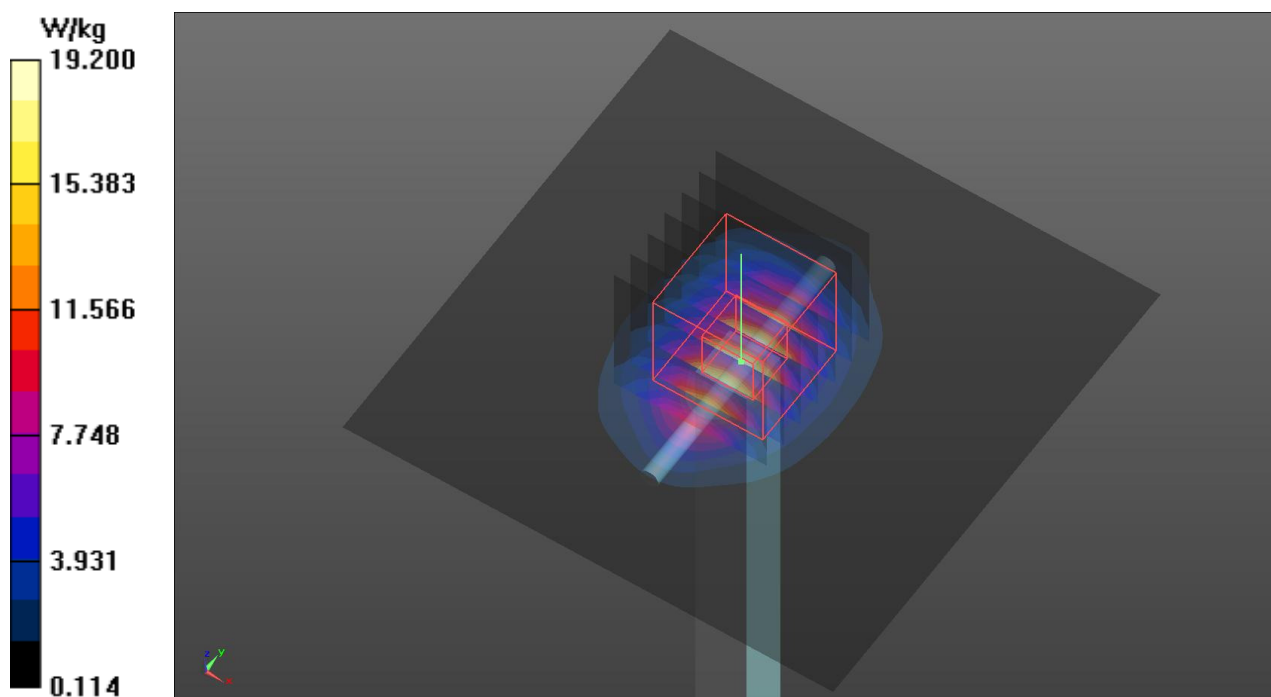
Pin=250mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 100.5 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 26.0 W/kg

SAR(1 g) = 12.5 W/kg; SAR(10 g) = 5.74 W/kg

Maximum value of SAR (measured) = 19.2 W/kg



System Check_B5300_160804**DUT: Dipole D5GHzV2 _ SN: 1171**

Communication System: CW ; Frequency: 5300 MHz;Duty Cycle: 1:1

Medium: B5G_160804 Medium parameters used: $f = 5300$ MHz; $\sigma = 5.312$ S/m; $\epsilon_r = 47.846$; $\rho = 1000$ kg/m³

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3976; ConvF(4.4, 4.4, 4.4); 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=100mW/Area Scan (91x91x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 14.1 W/kg

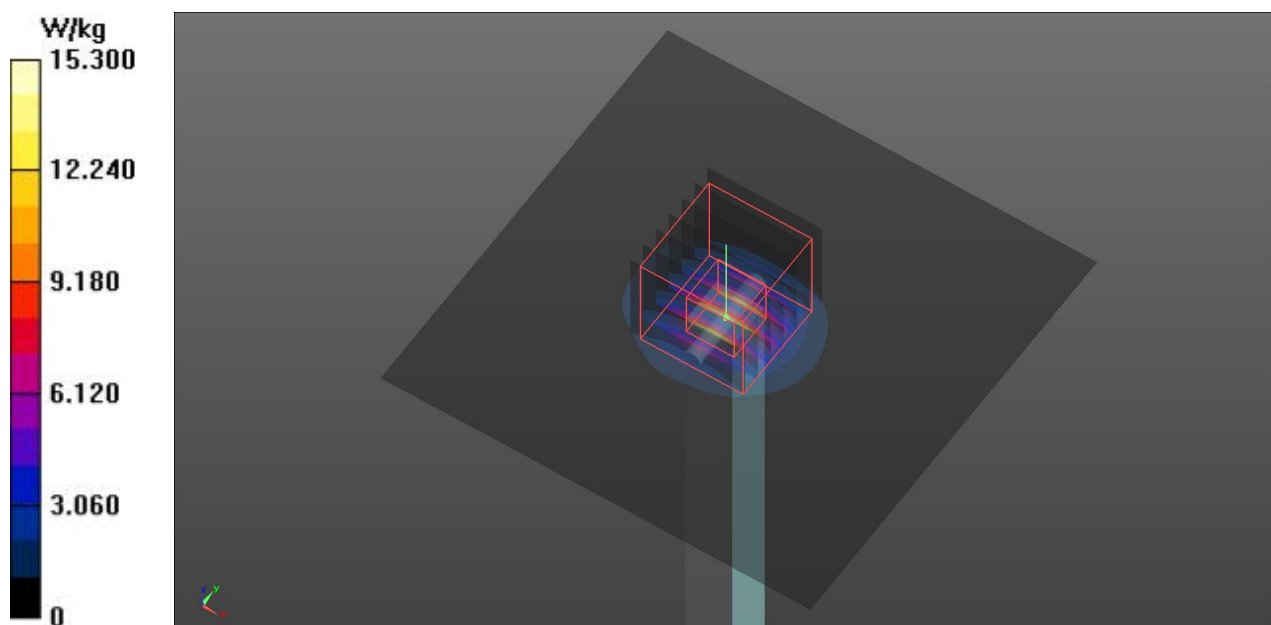
Pin=100mW/Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 55.55 V/m; Power Drift = 0.06 dB

Peak SAR (extrapolated) = 29.6 W/kg

SAR(1 g) = 7.31 W/kg; SAR(10 g) = 2.07 W/kg

Maximum value of SAR (measured) = 15.3 W/kg



System Check_B5600_160804**DUT: Dipole D5GHzV2 _ SN: 1171**

Communication System: CW; Frequency: 5600 MHz; Duty Cycle: 1:1

Medium: B5G_160804 Medium parameters used: $f = 5600$ MHz; $\sigma = 5.677$ S/m; $\epsilon_r = 47.396$; $\rho = 1000$ kg/m³

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3976; ConvF(3.78, 3.78, 3.78); 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=100mW/Area Scan (91x91x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 14.9 W/kg

Pin=100mW/Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 57.40 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 31.3 W/kg

SAR(1 g) = 7.5 W/kg; SAR(10 g) = 2.12 W/kg

Maximum value of SAR (measured) = 15.9 W/kg

