Appendix A. SAR Plots of System Verification

The plots for system verification are shown as follows.

System Check_B2450_120831

DUT: Dipole 2450 MHz; Type: D2450V2; SN: 726

Communication System: CW; Frequency: 2450 MHz;Duty Cycle: 1:1
Medium: MSL2450 Medium parameters used: f = 2450 MHz; σ = 1.94 mho/m; $ε_r$ = 52.9; ρ = 1000 kg/m^3
Ambient Temperature：22.1 ℃；Liquid Temperature：22.3 ℃

DASY4 Configuration:
- Probe: EX3DV4 - SN3643; ConvF(6.95, 6.95, 6.95); Calibrated: 2012/01/27
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn519; Calibrated: 2012/01/20
- Phantom: SAM 1800/1900 MHz; Type: SAM; Serial: TP-1224
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Pin=250mW/Area Scan (51x71x1): Measurement grid: dx=15mm, dy=15mm
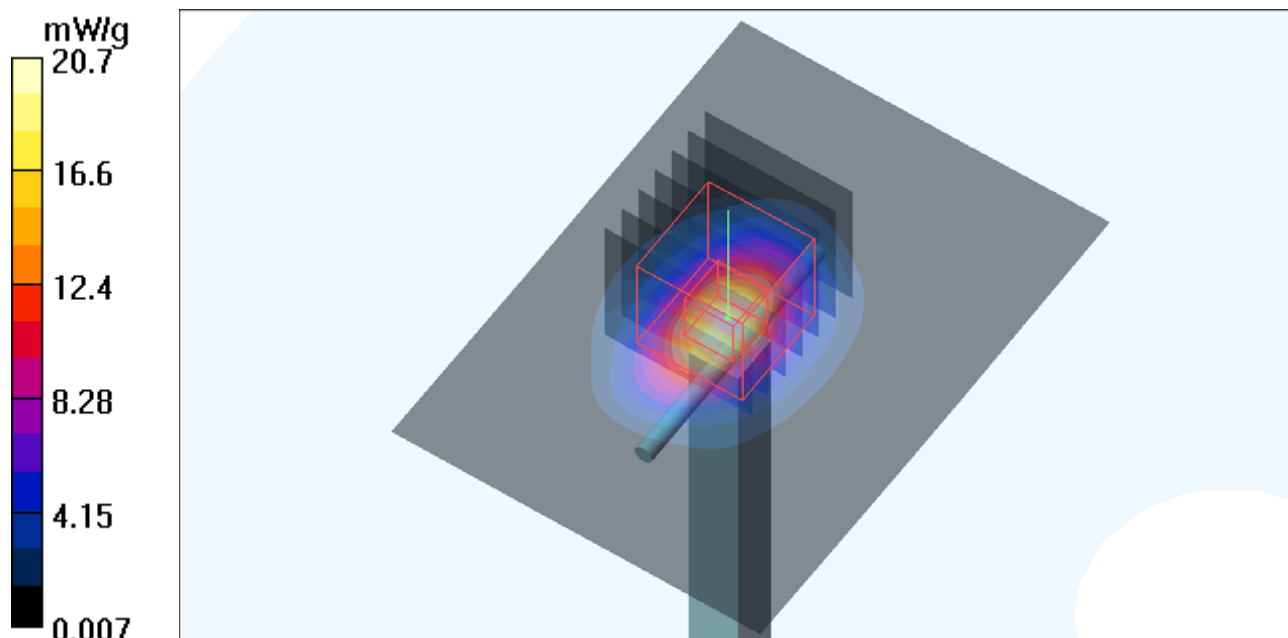Maximum value of SAR (interpolated) = 20.7 mW/g

Pin=250mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 96.3 V/m; Power Drift = 0.007 dB
Peak SAR (extrapolated) = 27.2 W/kg
SAR(1 g) = 13 mW/g; SAR(10 g) = 6.01 mW/g
Maximum value of SAR (measured) = 18.4 mW/g

System Check_B2600_120816

DUT: Dipole 2600 MHz; Type: D2600V2; SN: 1016

Communication System: CW; Frequency: 2600 MHz;Duty Cycle: 1:1
Medium: MSL2600 Medium parameters used: f = 2600 MHz; σ = 2.12 mho/m; ε_r = 53; ρ = 1000 kg/m^3
Ambient Temperature：22.5 ℃；Liquid Temperature：22.6 ℃

DASY4 Configuration:
- Probe: ES3DV3 - SN3173; ConvF(3.95, 3.95, 3.95); Calibrated: 2012/02/24
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn519; Calibrated: 2012/01/20
- Phantom: SAM 1800/1900 MHz; Type: SAM; Serial: TP-1224
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Pin=250mW/Area Scan (51x71x1): Measurement grid: dx=15mm, dy=15mm
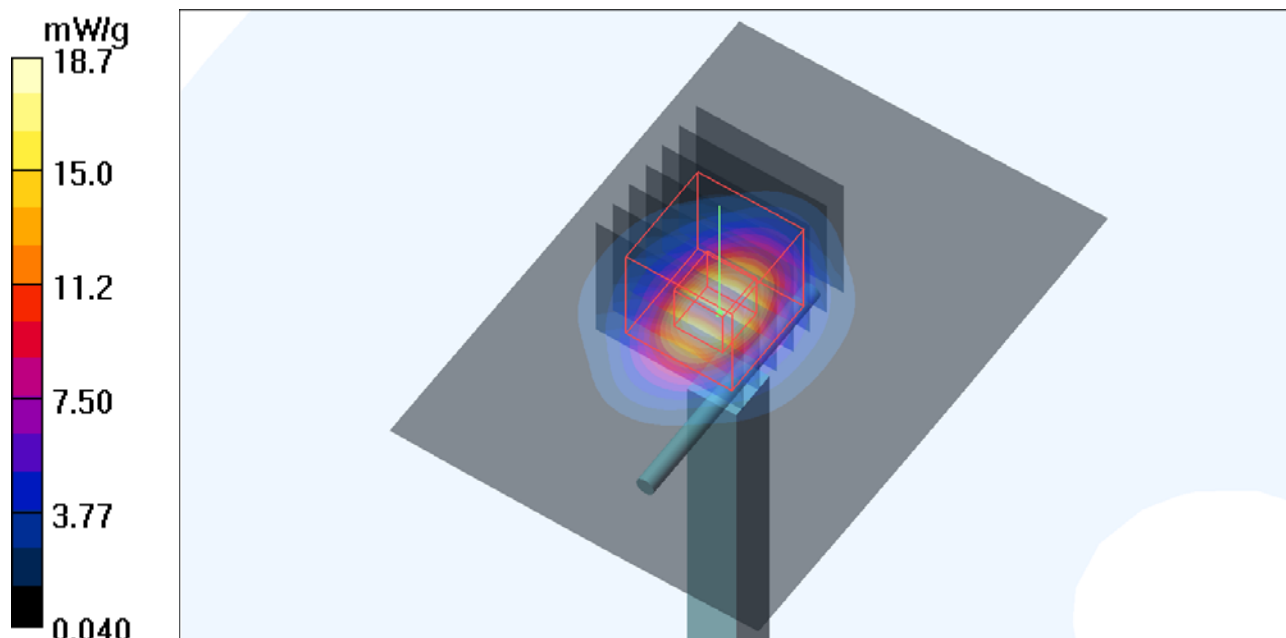Maximum value of SAR (interpolated) = 21.6 mW/g

Pin=250mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 87.1 V/m; Power Drift = 0.072 dB
Peak SAR (extrapolated) = 35.6 W/kg
SAR(1 g) = 13.9 mW/g; SAR(10 g) = 5.78 mW/g
Maximum value of SAR (measured) = 18.7 mW/g

System Check_B2600_120817

DUT: Dipole 2600 MHz; Type: D2600V2; SN: 1016

Communication System: CW; Frequency: 2600 MHz;Duty Cycle: 1:1
Medium: MSL2600 Medium parameters used: f = 2600 MHz; σ = 2.15 mho/m; ε_r = 51.9; ρ = 1000 kg/m^3
Ambient Temperature：22.4 ℃；Liquid Temperature：22.6 ℃

DASY4 Configuration:
- Probe: ES3DV3 - SN3173; ConvF(3.95, 3.95, 3.95); Calibrated: 2012/02/24
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn519; Calibrated: 2012/01/20
- Phantom: SAM 1800/1900 MHz; Type: SAM; Serial: TP-1224
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Pin=250mW/Area Scan (51x71x1): Measurement grid: dx=15mm, dy=15mm
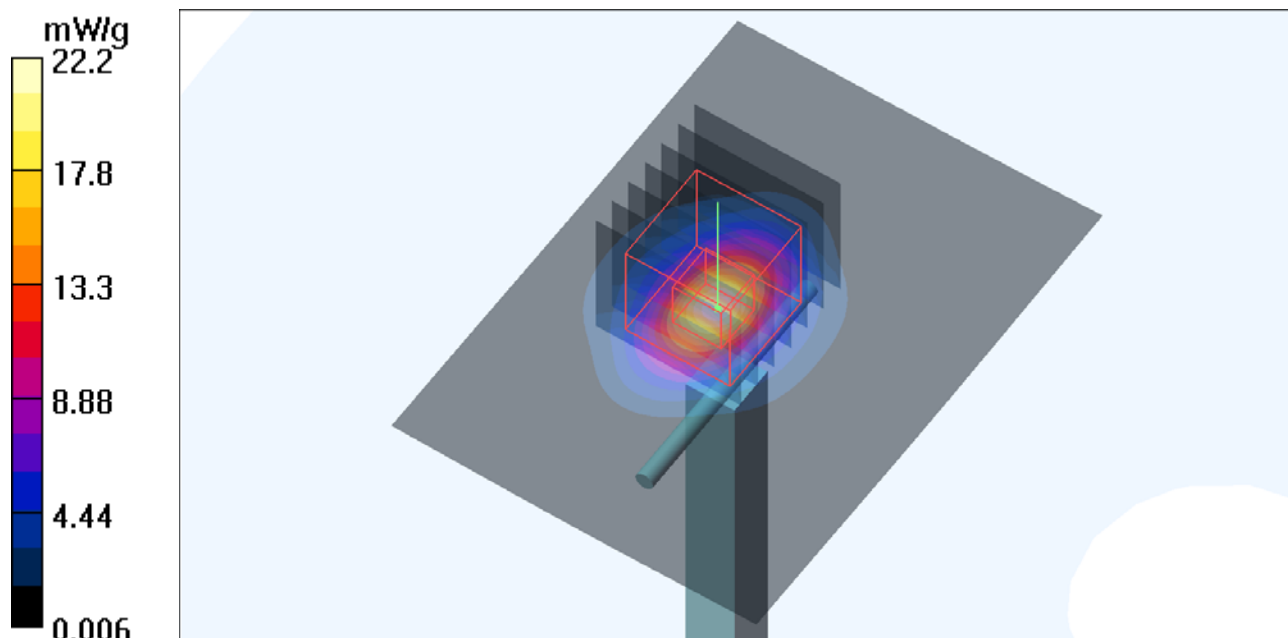Maximum value of SAR (interpolated) = 22.2 mW/g

Pin=250mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 87.1 V/m; Power Drift = 0.082 dB
Peak SAR (extrapolated) = 36.2 W/kg
SAR(1 g) = 14.1 mW/g; SAR(10 g) = 5.87 mW/g
Maximum value of SAR (measured) = 18.9 mW/g

System Check_B2600_120820

DUT: Dipole 2600 MHz; Type: D2600V2; SN: 1016

Communication System: CW; Frequency: 2600 MHz;Duty Cycle: 1:1
Medium: MSL2600 Medium parameters used: f = 2600 MHz; σ = 2.19 mho/m; ε_r = 52.1; ρ = 1000 kg/m^3
Ambient Temperature：22.5 ℃；Liquid Temperature：22.7 ℃

DASY4 Configuration:
- Probe: ES3DV3 - SN3173; ConvF(3.95, 3.95, 3.95); Calibrated: 2012/02/24
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn519; Calibrated: 2012/01/20
- Phantom: SAM 1800/1900 MHz; Type: SAM; Serial: TP-1224
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Pin=250mW/Area Scan (51x71x1): Measurement grid: dx=15mm, dy=15mm
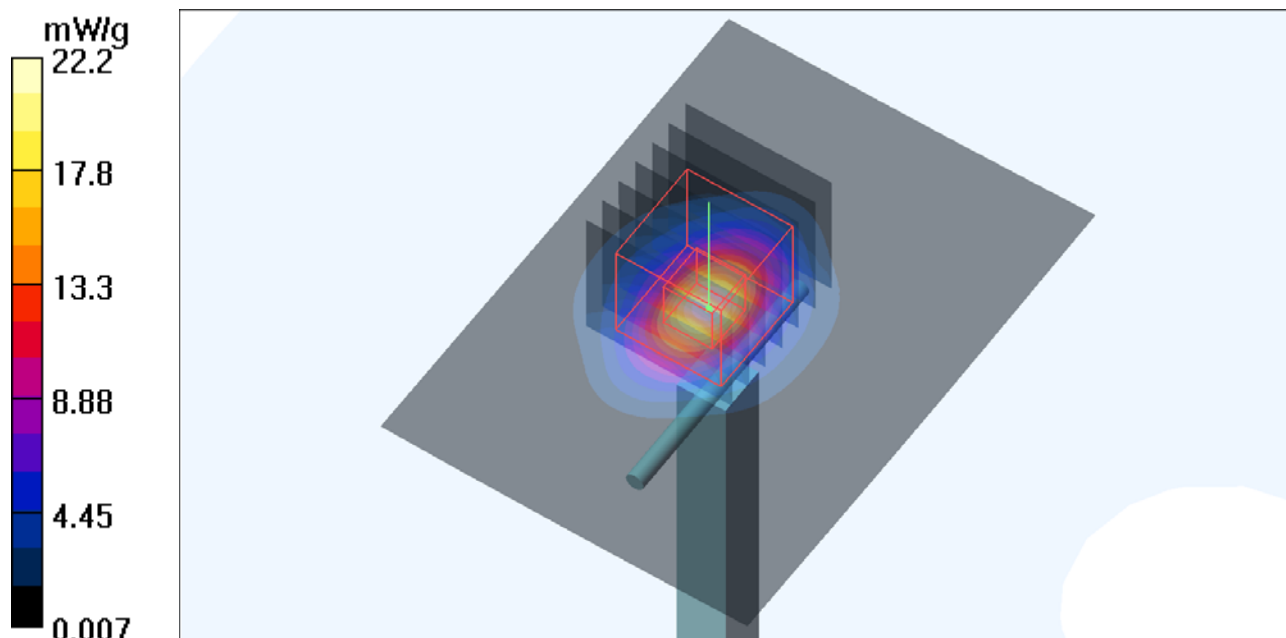Maximum value of SAR (interpolated) = 22.2 mW/g

Pin=250mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 87.1 V/m; Power Drift = 0.082 dB
Peak SAR (extrapolated) = 36.7 W/kg
SAR(1 g) = 14.3 mW/g; SAR(10 g) = 5.96 mW/g
Maximum value of SAR (measured) = 19.4 mW/g

System Check_B2600_120919

DUT: Dipole 2600 MHz; Type: D2600V2; SN: 1016

Communication System: CW; Frequency: 2600 MHz;Duty Cycle: 1:1
Medium: MSL2600 Medium parameters used: f = 2600 MHz; σ = 2.12 mho/m; ε_r = 51.8; ρ = 1000 kg/m^3
Ambient Temperature：22.4 ℃；Liquid Temperature：22.6 ℃

DASY4 Configuration:
- Probe: EX3DV4 - SN3643; ConvF(6.71, 6.71, 6.71); Calibrated: 2012/01/27
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn519; Calibrated: 2012/01/20
- Phantom: SAM 1800/1900 MHz; Type: SAM; Serial: TP-1224
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Pin=250mW/Area Scan (51x71x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 17.5 mW/g

Pin=250mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 84.5 V/m; Power Drift = -0.020 dB
Peak SAR (extrapolated) = 30.7 W/kg
SAR(1 g) = 13.6 mW/g; SAR(10 g) = 5.84 mW/g
Maximum value of SAR (measured) = 15.7 mW/g