Appendix A. SAR Plots of System Verification

The plots for system verification are shown as follows.

System Check_H835_120107

DUT: Dipole 835 MHz; Type: D835V2; SN: 4d021

Communication System: CW; Frequency: 835 MHz;Duty Cycle: 1:1
Medium: H835_0107 Medium parameters used: f = 835 MHz; σ = 0.92 mho/m; ε_r = 43.008; ρ = 1000 kg/m^3
Ambient Temperature：22.4 ℃；Liquid Temperature：21.3 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3800; ConvF(8.7, 8.7, 8.7); Calibrated: 2011/08/05
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1277; Calibrated: 2011/07/29
- Phantom: SAM with CRP v5.0 Front; Type: QD000P40CD; Serial: TP:1653
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.6.4 (4989)

Pin=250mW/Area Scan (61x61x1): Measurement grid: dx=15mm, dy=15mm
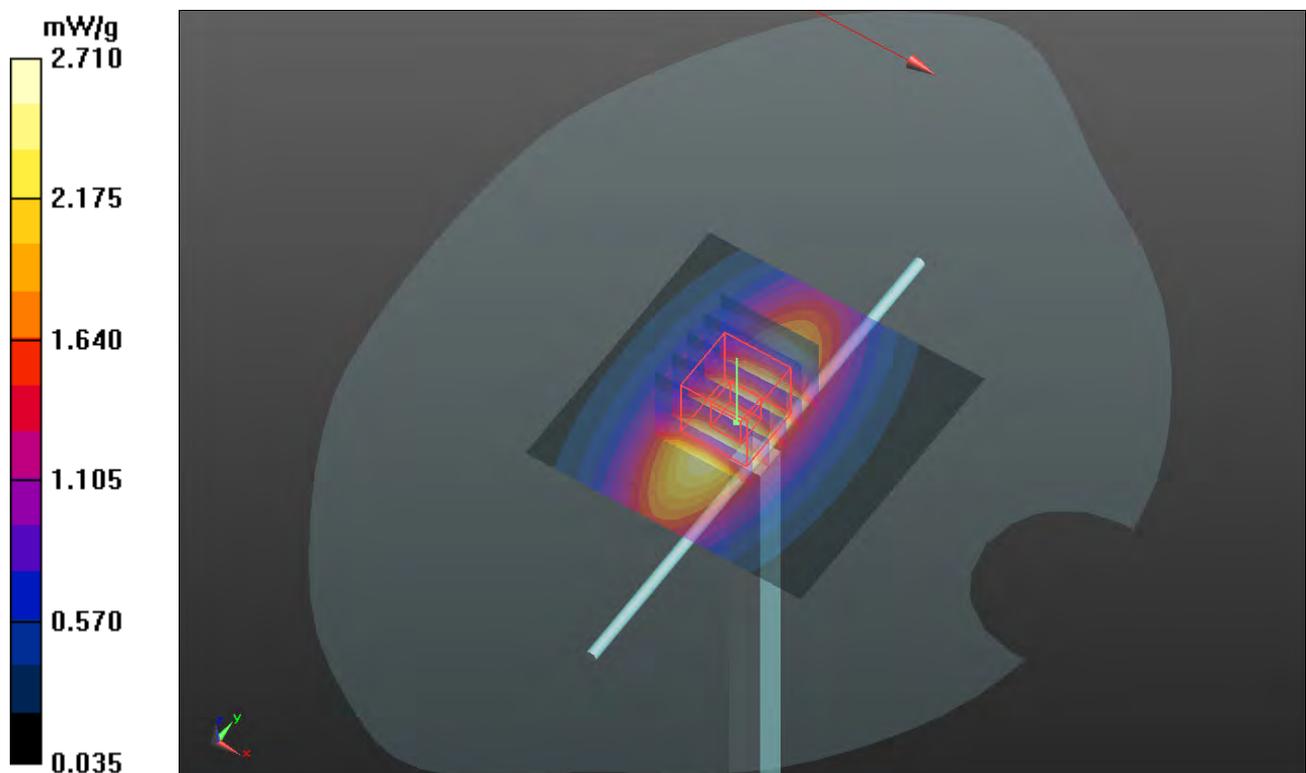Maximum value of SAR (interpolated) = 2.710 mW/g

Pin=250mW/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 51.212 V/m; Power Drift = 0.03 dB
Peak SAR (extrapolated) = 3.2410
SAR(1 g) = 2.26 mW/g; SAR(10 g) = 1.42 mW/g
Maximum value of SAR (measured) = 2.742 mW/g

System Check_H835_120115

DUT: Dipole 835 MHz; Type: D835V2; SN: 4d021

Communication System: CW; Frequency: 835 MHz;Duty Cycle: 1:1
Medium: H835_0115 Medium parameters used: f = 835 MHz; σ = 0.885 mho/m; ε_r = 41.988; ρ =

1000 kg/m^3
Ambient Temperature：21.8 ℃；Liquid Temperature：20.7 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3650; ConvF(8.87, 8.87, 8.87); Calibrated: 2011/10/26
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2011/09/23
- Phantom: SAM Phantom_Front; Type: SAM; Serial: TP-1485
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.6.4 (4989)

Pin=250mW/Area Scan (61x61x1): Measurement grid: dx=15mm, dy=15mm
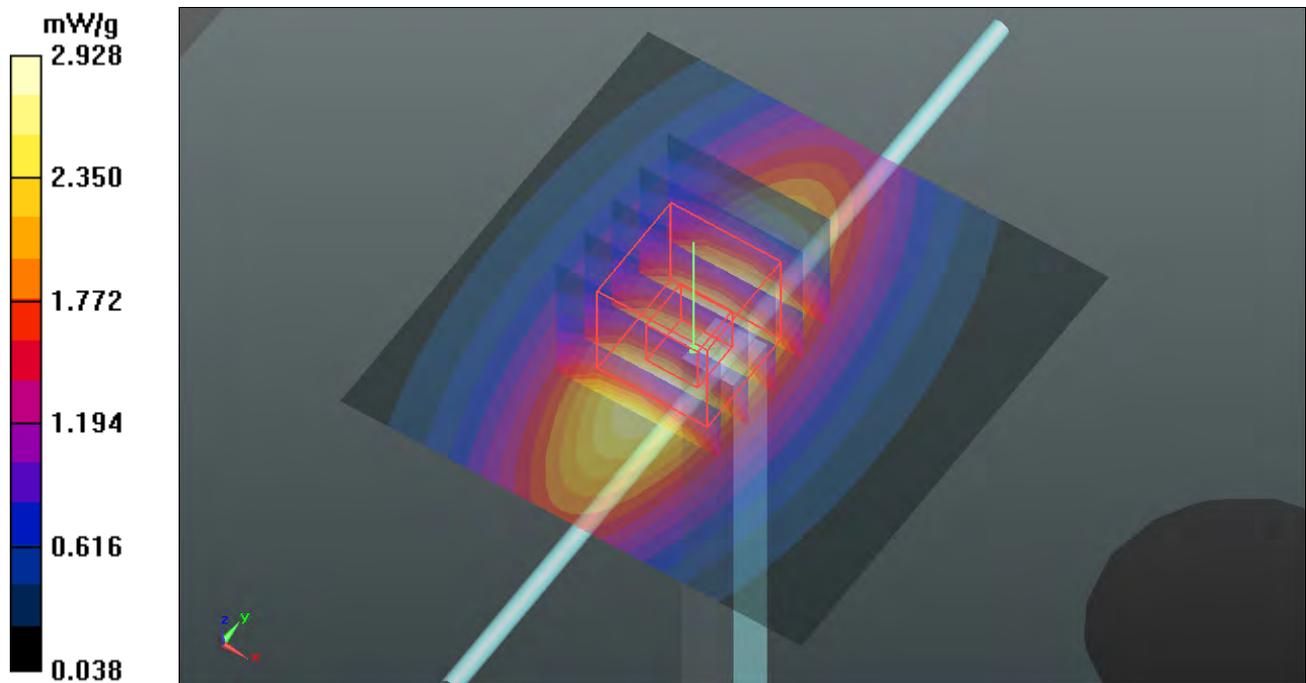Maximum value of SAR (interpolated) = 2.928 mW/g

Pin=250mW/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 54.471 V/m; Power Drift = 0.03 dB
Peak SAR (extrapolated) = 3.4490
SAR(1 g) = 2.33 mW/g; SAR(10 g) = 1.54 mW/g
Maximum value of SAR (measured) = 2.938 mW/g

System Check_B835_120105

DUT: Dipole 835 MHz; Type: D835V2; SN: 4d021

Communication System: CW; Frequency: 835 MHz;Duty Cycle: 1:1
Medium: B835_0105 Medium parameters used: f = 835 MHz; σ = 0.988 mho/m; ε_r = 54.796; ρ =

1000 kg/m^3
Ambient Temperature：21.1 ℃；Liquid Temperature：20.4 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3800; ConvF(8.94, 8.94, 8.94); Calibrated: 2011/08/05
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1277; Calibrated: 2011/07/29
- Phantom: ELI v4.0; Type: QDOVA001BA; Serial: TP:1043
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.6.4 (4989)

Pin=250mW/Area Scan (61x61x1): Measurement grid: dx=15mm, dy=15mm
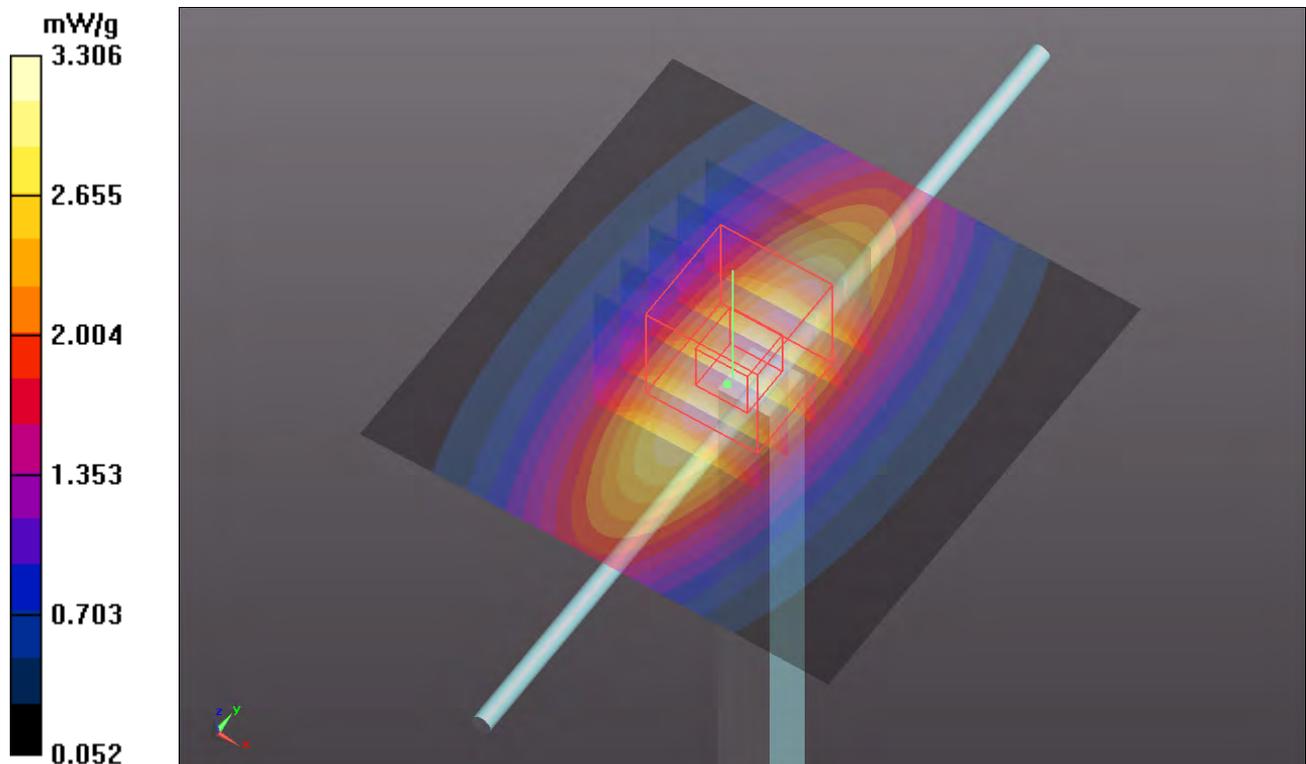Maximum value of SAR (interpolated) = 3.306 mW/g

Pin=250mW/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 55.974 V/m; Power Drift = 0.03 dB
Peak SAR (extrapolated) = 3.8240
SAR(1 g) = 2.62 mW/g; SAR(10 g) = 1.74 mW/g
Maximum value of SAR (measured) = 3.298 mW/g

System Check_B835_120116

DUT: Dipole 835 MHz; Type: D835V2; SN: 4d021

Communication System: CW; Frequency: 835 MHz;Duty Cycle: 1:1
Medium: B835_0116 Medium parameters used: f = 835 MHz; σ = 0.994 mho/m; ε_r = 54.98; ρ = 1000 kg/m^3
Ambient Temperature：21.6 ℃；Liquid Temperature：21.4 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3590; ConvF(10.32, 10.32, 10.32); Calibrated: 2011/02/25
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1277; Calibrated: 2011/07/29
- Phantom: SAM with CRP v5.0 Front; Type: QD000P40CD; Serial: TP:1653
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.6.4 (4989)

Pin=250mW/Area Scan (61x61x1): Measurement grid: dx=15mm, dy=15mm
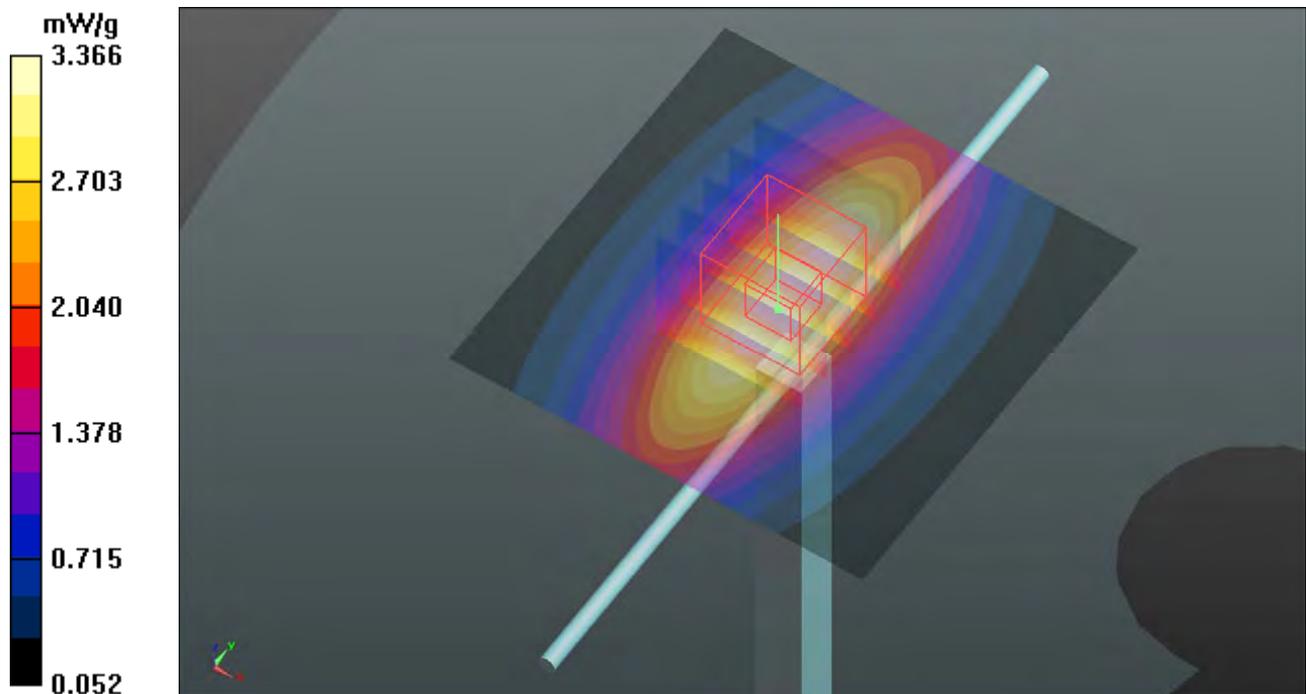Maximum value of SAR (interpolated) = 3.366 mW/g

Pin=250mW/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 55.839 V/m; Power Drift = 0.03 dB
Peak SAR (extrapolated) = 3.9550
SAR(1 g) = 2.65 mW/g; SAR(10 g) = 1.75 mW/g
Maximum value of SAR (measured) = 3.358 mW/g

System Check_H1900_120107

DUT: Dipole 1900 MHz; Type: D1900V2; SN: 5d022

Communication System: CW; Frequency: 1900 MHz;Duty Cycle: 1:1
Medium: H1900_0107 Medium parameters used: f = 1900 MHz; σ = 1.391 mho/m; ε_r = 40.582; ρ

= 1000 kg/m^3
Ambient Temperature：22.4 ℃；Liquid Temperature：21.3 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3800; ConvF(7.46, 7.46, 7.46); Calibrated: 2011/08/05
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1277; Calibrated: 2011/07/29
- Phantom: SAM with CRP v5.0 Front; Type: QD000P40CD; Serial: TP:1653
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.6.4 (4989)

Pin=250mW/Area Scan (61x61x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 14.914 mW/g

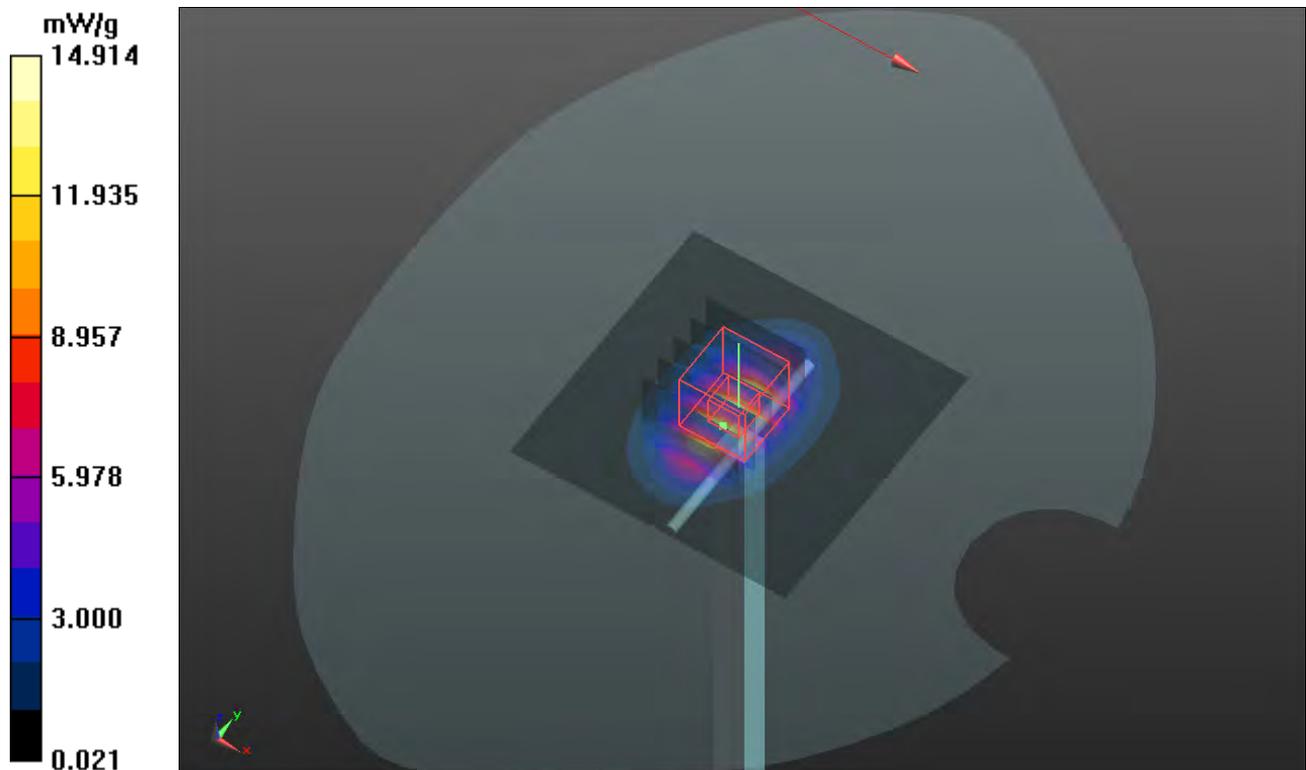### Pin=250mW/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 102.7 V/m; Power Drift = 0.03 dB
Peak SAR (extrapolated) = 18.5810
SAR(1 g) = 9.94 mW/g; SAR(10 g) = 5.14 mW/g
Maximum value of SAR (measured) = 14.296 mW/g

System Check_H1900_120115

DUT: Dipole 1900 MHz; Type: D1900V2; SN: 5d022

Communication System: CW; Frequency: 1900 MHz;Duty Cycle: 1:1
Medium: H1900_0115 Medium parameters used: f = 1900 MHz; σ = 1.386 mho/m; ε_r = 40.493; ρ = 1000 kg/m^3
Ambient Temperature：21.8 ℃；Liquid Temperature：20.7 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3650; ConvF(7.4, 7.4, 7.4); Calibrated: 2011/10/26
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2011/09/23
- Phantom: SAM Phantom_Left; Type: SAM; Serial: 1202
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.6.4 (4989)

Pin=250mW/Area Scan (61x61x1): Measurement grid: dx=15mm, dy=15mm
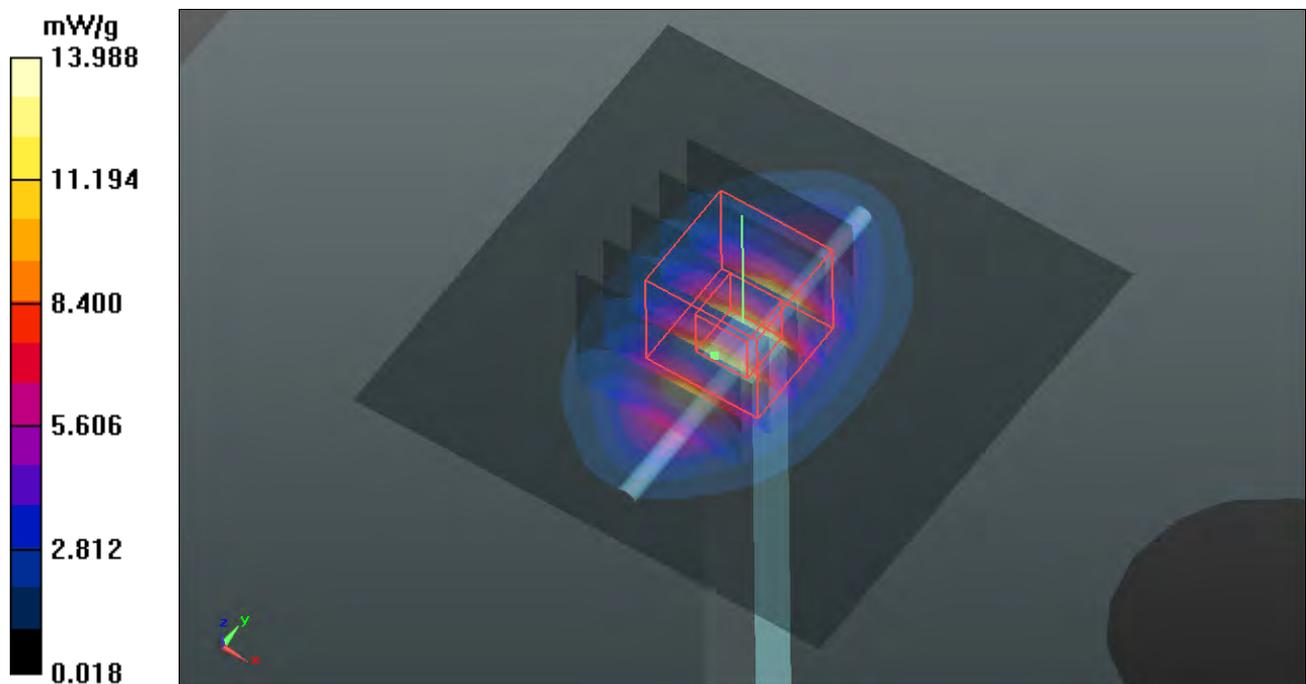Maximum value of SAR (interpolated) = 13.988 mW/g

Pin=250mW/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 100.8 V/m; Power Drift = 0.02 dB
Peak SAR (extrapolated) = 17.9830
SAR(1 g) = 9.43 mW/g; SAR(10 g) = 4.85 mW/g
Maximum value of SAR (measured) = 13.699 mW/g

SystemCheck_B1900_120105

DUT: Dipole 1900 MHz; Type: D1900V2; SN: 5d022

Communication System: CW; Frequency: 1900 MHz;Duty Cycle: 1:1
Medium: B1900_0105 Medium parameters used: f = 1900 MHz; σ = 1.546 mho/m; ε_r = 52.328; ρ =

1000 kg/m^3
Ambient Temperature：22.2 ℃；Liquid Temperature：21.6 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3800; ConvF(6.97, 6.97, 6.97); Calibrated: 2011/08/05
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1277; Calibrated: 2011/07/29
- Phantom: ELI v4.0; Type: QDOVA001BA; Serial: TP:1043
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.6.4 (4989)

Pin=250mW/Area Scan (61x61x1): Measurement grid: dx=15mm, dy=15mm
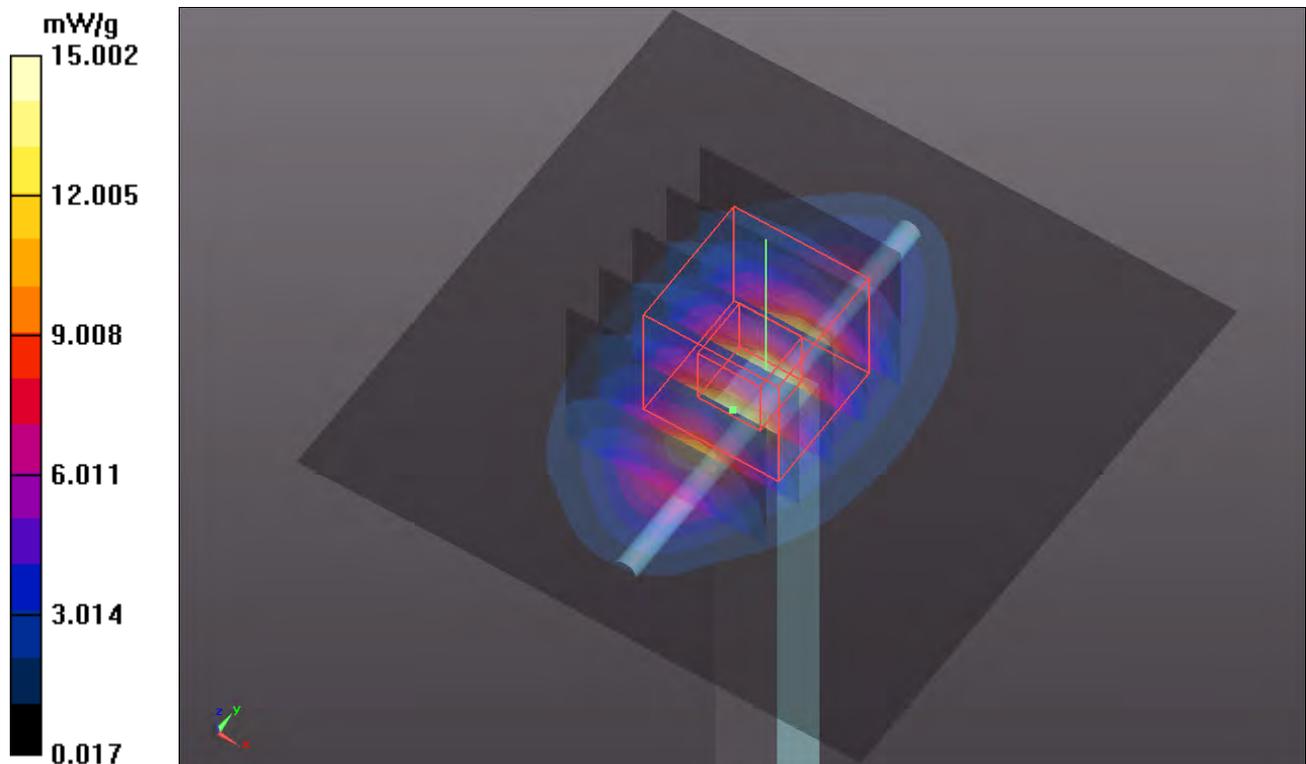Maximum value of SAR (interpolated) = 15.002 mW/g

Pin=250mW/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 96.840 V/m; Power Drift = 0.03 dB
Peak SAR (extrapolated) = 18.5130
SAR(1 g) = 10.1 mW/g; SAR(10 g) = 5.2 mW/g
Maximum value of SAR (measured) = 14.420 mW/g

SystemCheck_B1900_120116

DUT: Dipole 1900 MHz; Type: D1900V2; SN: 5d022

Communication System: CW; Frequency: 1900 MHz;Duty Cycle: 1:1
Medium: B1900_0116 Medium parameters used: f = 1900 MHz; σ = 1.529 mho/m; ε_r = 53.719; ρ =

1000 kg/m^3
Ambient Temperature：21.6 ℃；Liquid Temperature：21.4 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3590; ConvF(8.49, 8.49, 8.49); Calibrated: 2011/02/25
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1277; Calibrated: 2011/07/29
- Phantom: ELI v4.0; Type: QDOVA001BA; Serial: TP:1043
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.6.4 (4989)

Pin=250mW/Area Scan (61x61x1): Measurement grid: dx=15mm, dy=15mm
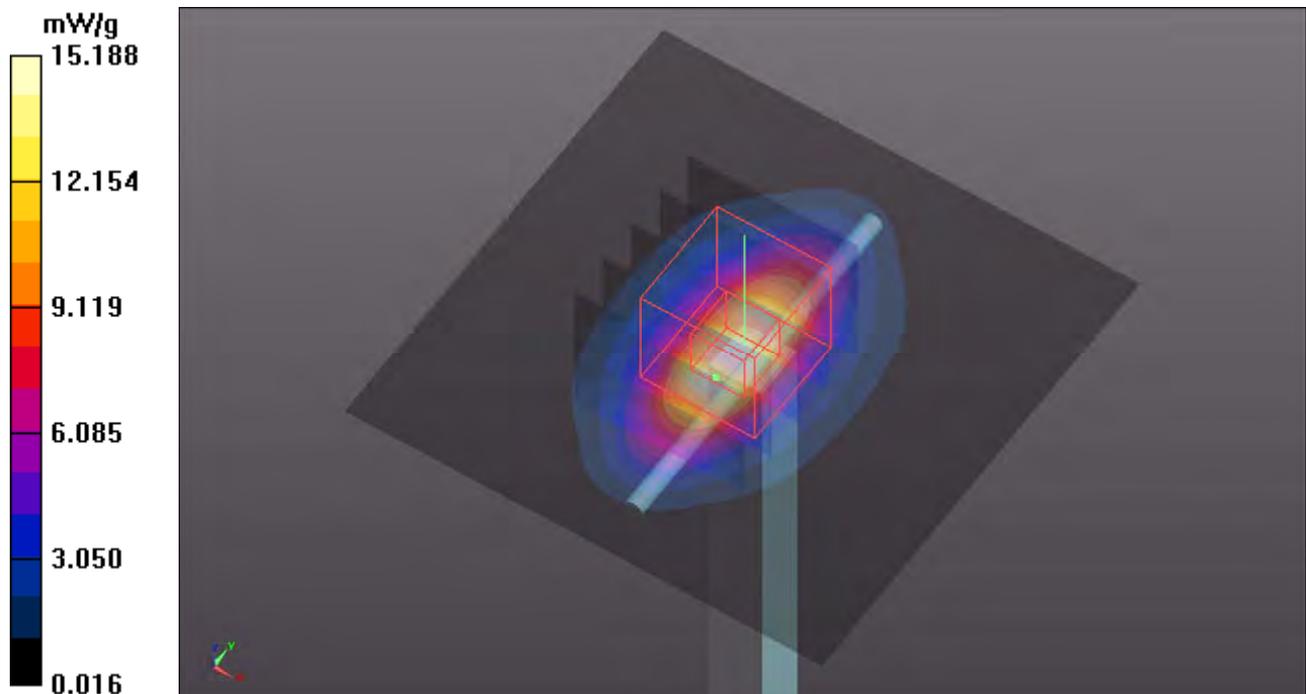Maximum value of SAR (interpolated) = 15.188 mW/g

Pin=250mW/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 98.708 V/m; Power Drift = 0.00068 dB
Peak SAR (extrapolated) = 18.4130
SAR(1 g) = 9.94 mW/g; SAR(10 g) = 5.08 mW/g
Maximum value of SAR (measured) = 14.328 mW/g

System Check_H750_120108

DUT: Dipole 750 MHz; Type: D750V3; SN: 1013

Communication System: CW; Frequency: 750 MHz;Duty Cycle: 1:1
Medium: H750_0108 Medium parameters used: f = 750 MHz; σ = 0.908 mho/m; ε_r = 40.492; ρ =

1000 kg/m^3
Ambient Temperature：22.6 ℃；Liquid Temperature：21.4 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3800; ConvF(9.02, 9.02, 9.02); Calibrated: 2011/08/05
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1277; Calibrated: 2011/07/29
- Phantom: SAM with CRP v5.0 Front; Type: QD000P40CD; Serial: TP:1653
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.6.4 (4989)

Pin=250mW/Area Scan (61x61x1): Measurement grid: dx=15mm, dy=15mm
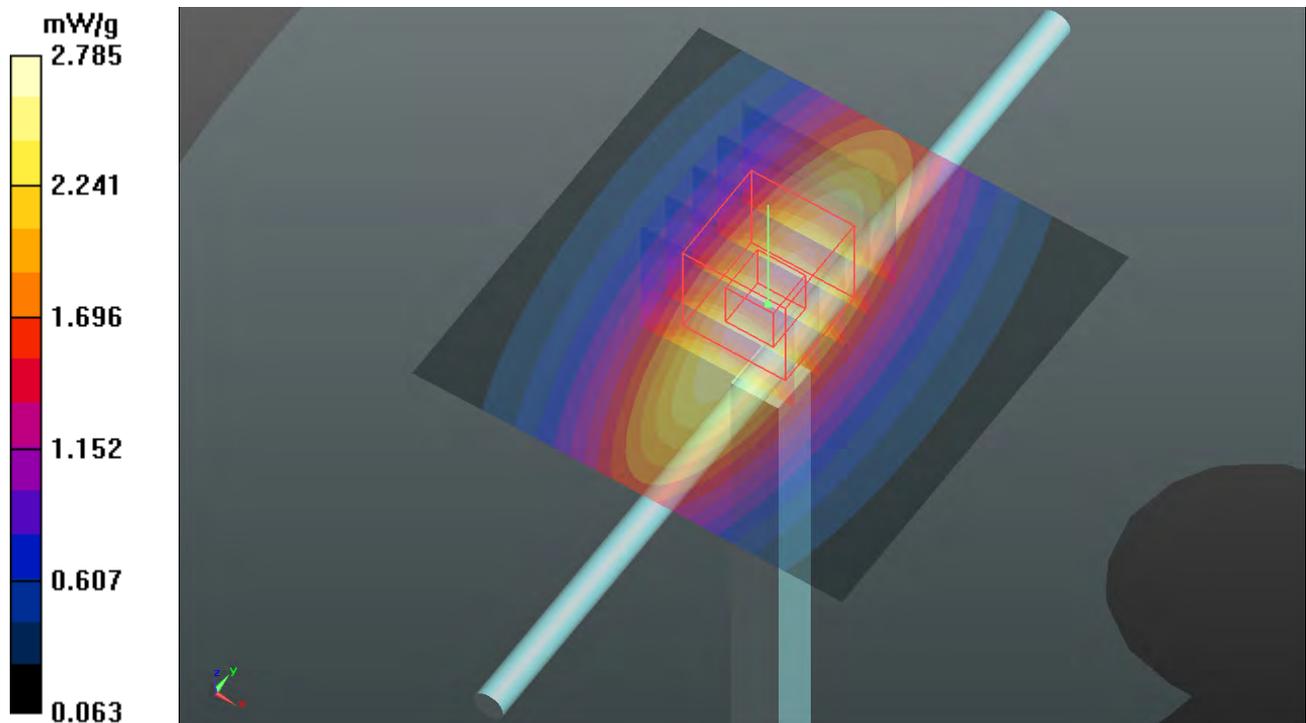Maximum value of SAR (interpolated) = 2.785 mW/g

Pin=250mW/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 53.454 V/m; Power Drift = -0.06 dB
Peak SAR (extrapolated) = 3.2990
SAR(1 g) = 2.21 mW/g; SAR(10 g) = 1.47 mW/g
Maximum value of SAR (measured) = 2.801 mW/g

System Check_H750_120116

DUT: Dipole 750 MHz; Type: D750V3; SN: 1013

Communication System: CW; Frequency: 750 MHz;Duty Cycle: 1:1
Medium: H750_0116 Medium parameters used: f = 750 MHz; σ = 0.89 mho/m; ε_r = 41.109; ρ = 1000 kg/m^3
Ambient Temperature：21.6 ℃；Liquid Temperature：21.4 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3590; ConvF(10.21, 10.21, 10.21); Calibrated: 2011/02/25
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1277; Calibrated: 2011/07/29
- Phantom: SAM with CRP v5.0 Front; Type: QD000P40CD; Serial: TP:1653
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.6.4 (4989)

Pin=250mW/Area Scan (61x61x1): Measurement grid: dx=15mm, dy=15mm
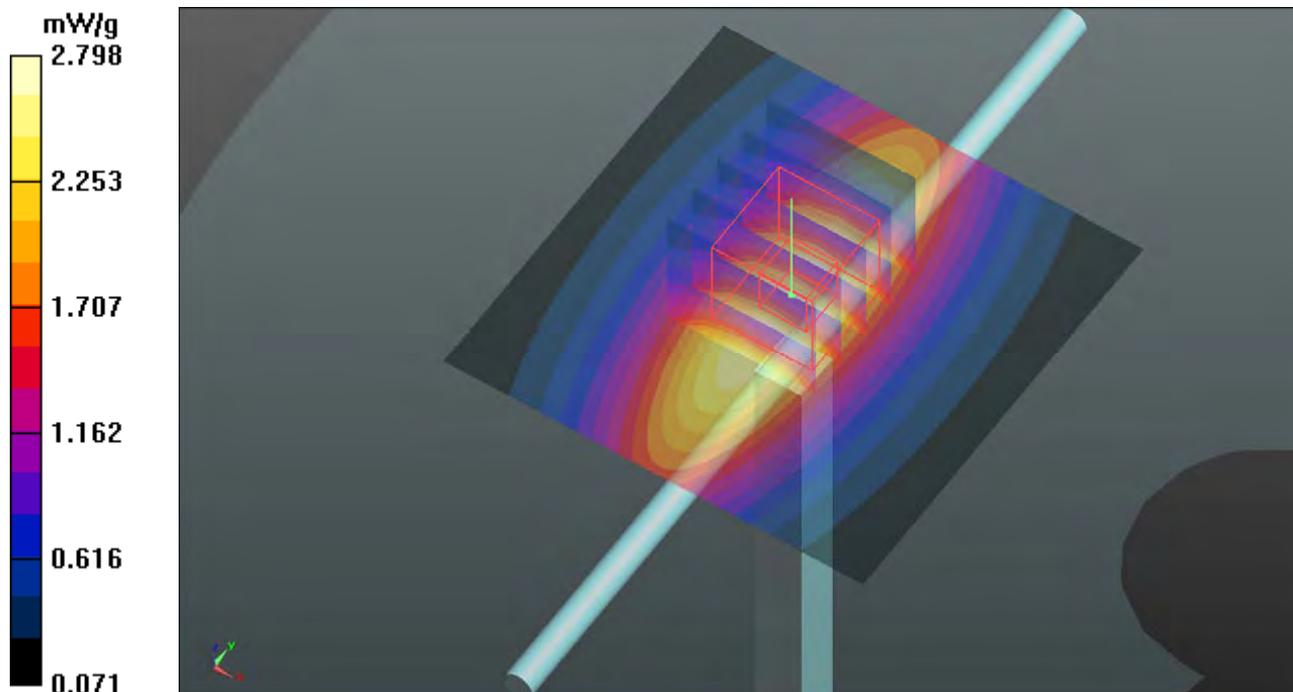Maximum value of SAR (interpolated) = 2.798 mW/g

Pin=250mW/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 54.221 V/m; Power Drift = -0.02 dB
Peak SAR (extrapolated) = 3.2870
SAR(1 g) = 2.22 mW/g; SAR(10 g) = 1.48 mW/g
Maximum value of SAR (measured) = 2.793 mW/g

System Check_H750_120118

DUT: Dipole 750 MHz; Type: D750V3; SN: 1013

Communication System: CW; Frequency: 750 MHz;Duty Cycle: 1:1
Medium: H750_0118 Medium parameters used: f = 750 MHz; σ = 0.912 mho/m; ε_r = 40.638; ρ =

1000 kg/m^3
Ambient Temperature：20.7 ℃；Liquid Temperature：20.3 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3650; ConvF(9.2, 9.2, 9.2); Calibrated: 2011/10/26
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2011/09/23
- Phantom: SAM Phantom_Left; Type: SAM; Serial: 1202
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.6.4 (4989)

Pin=250mW/Area Scan (61x61x1): Measurement grid: dx=15mm, dy=15mm
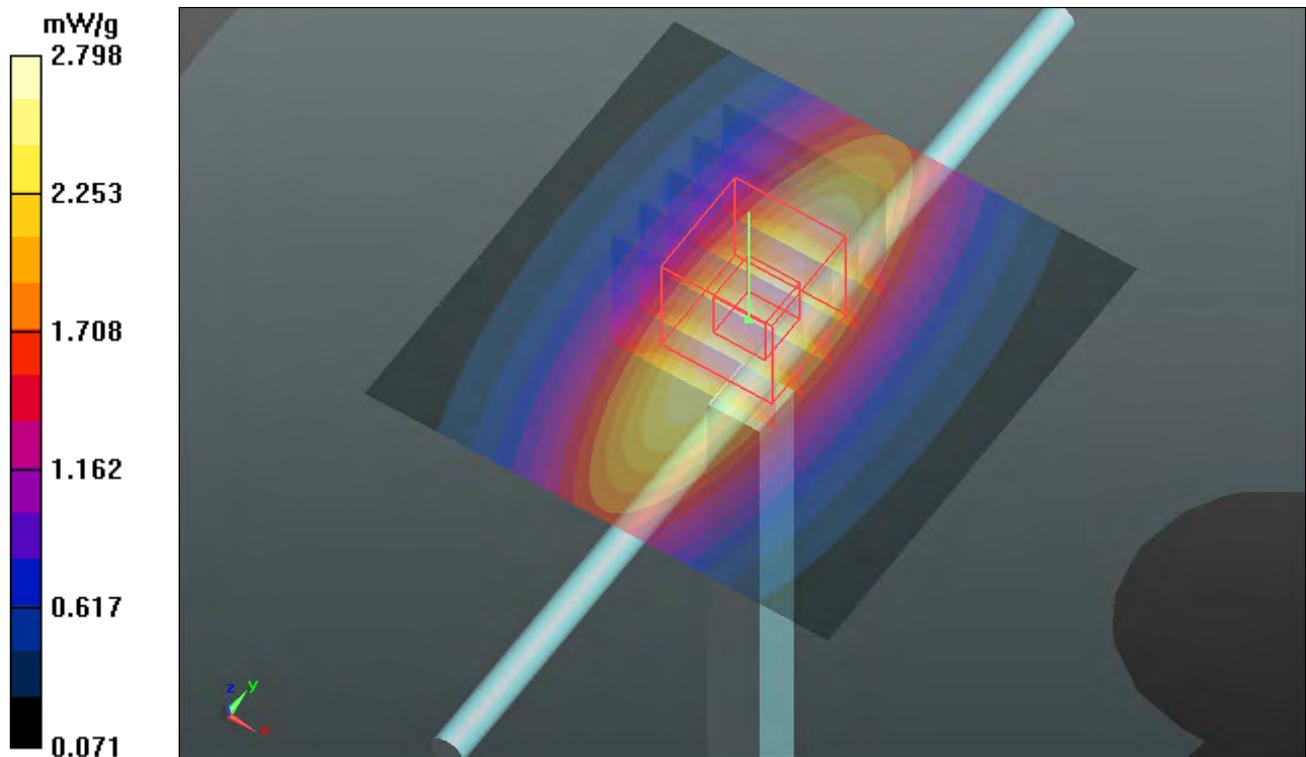Maximum value of SAR (interpolated) = 2.798 mW/g

Pin=250mW/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 54.235 V/m; Power Drift = 0.03 dB
Peak SAR (extrapolated) = 3.2920
SAR(1 g) = 2.22 mW/g; SAR(10 g) = 1.48 mW/g
Maximum value of SAR (measured) = 2.802 mW/g

System Check_B750_120108

DUT: Dipole 750 MHz; Type: D750V3; SN: 1013

Communication System: CW; Frequency: 750 MHz;Duty Cycle: 1:1
Medium: B750_0108 Medium parameters used: f = 750 MHz; σ = 0.968 mho/m; $ε_r$ = 55.448; ρ =

1000 kg/m^3
Ambient Temperature：22.3 ℃；Liquid Temperature：21.2 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3800; ConvF(9.34, 9.34, 9.34); Calibrated: 2011/08/05
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1277; Calibrated: 2011/07/29
- Phantom: SAM with CRP v5.0 Front; Type: QD000P40CD; Serial: TP:1653
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.6.4 (4989)

Pin=250mW/Area Scan (61x81x1): Measurement grid: dx=15mm, dy=15mm
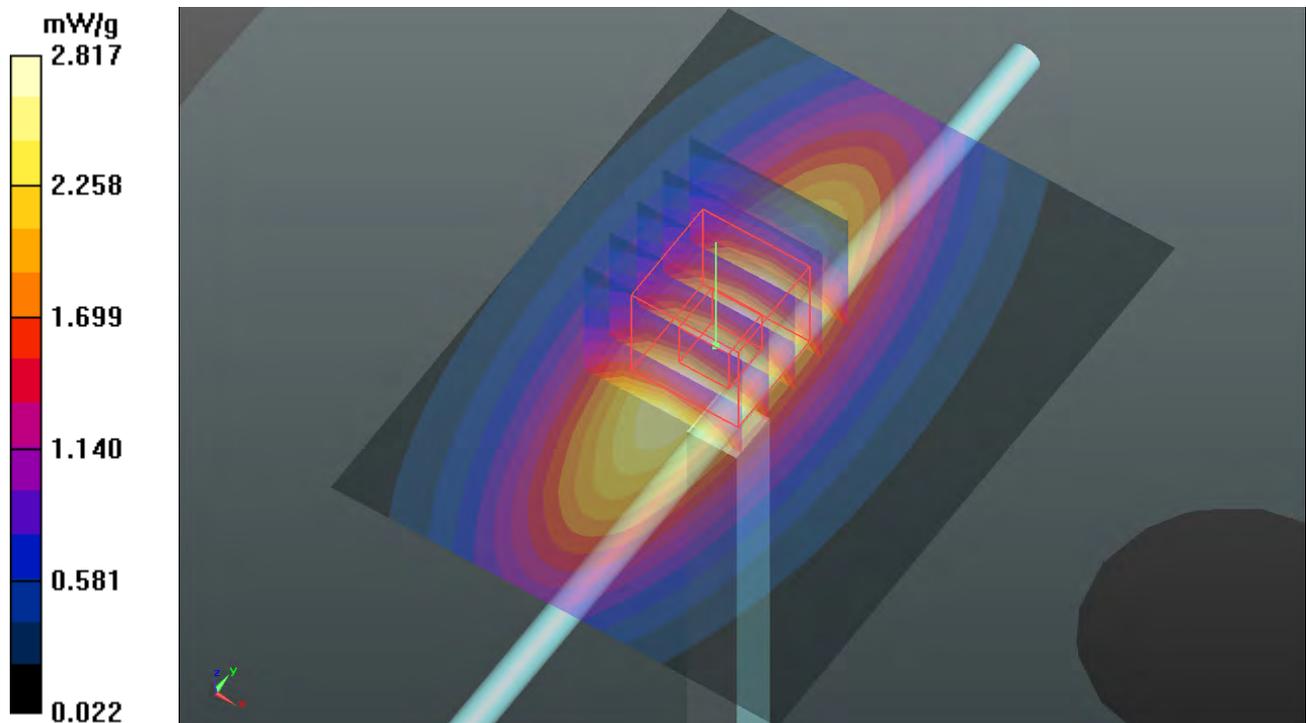Maximum value of SAR (interpolated) = 2.817 mW/g

Pin=250mW/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 55.590 V/m; Power Drift = -0.01 dB
Peak SAR (extrapolated) = 3.3080
SAR(1 g) = 2.29 mW/g; SAR(10 g) = 1.54 mW/g
Maximum value of SAR (measured) = 2.845 mW/g

System Check_B750_120109

DUT: Dipole 750 MHz; Type: D750V3; SN: 1013

Communication System: CW; Frequency: 750 MHz;Duty Cycle: 1:1
Medium: B750_0109 Medium parameters used: f = 750 MHz; σ = 0.971 mho/m; ε_r = 55.6; ρ = 1000

kg/m^3
Ambient Temperature：22.3 ℃；Liquid Temperature：20.9 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3800; ConvF(9.34, 9.34, 9.34); Calibrated: 2011/08/05
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1277; Calibrated: 2011/07/29
- Phantom: SAM with CRP v5.0 Front; Type: QD000P40CD; Serial: TP:1653
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.6.4 (4989)

Pin=250mW/Area Scan (61x81x1): Measurement grid: dx=15mm, dy=15mm
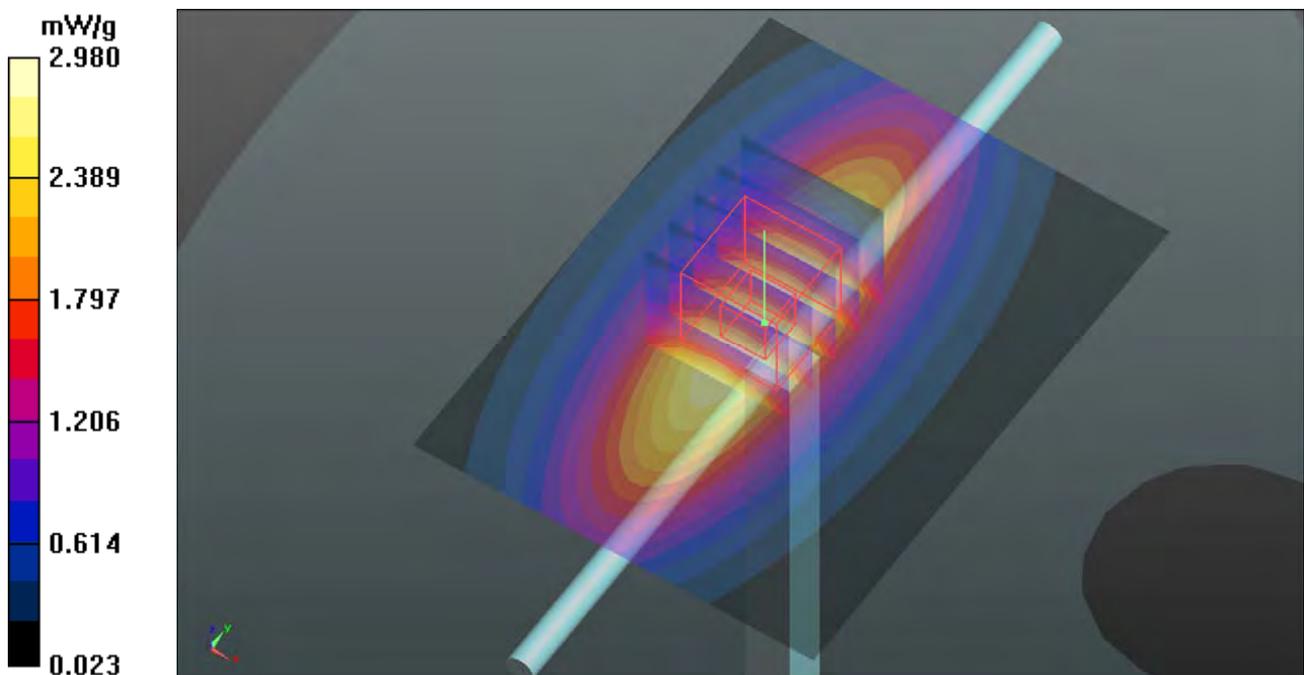Maximum value of SAR (interpolated) = 2.980 mW/g

Pin=250mW/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 56.694 V/m; Power Drift = -0.0055 dB
Peak SAR (extrapolated) = 3.4830
SAR(1 g) = 2.4 mW/g; SAR(10 g) = 1.62 mW/g
Maximum value of SAR (measured) = 2.993 mW/g

System Check_B750_120116

DUT: Dipole 750 MHz; Type: D750V3; SN: 1013

Communication System: CW; Frequency: 750 MHz;Duty Cycle: 1:1
Medium: B750_0116 Medium parameters used: f = 750 MHz; σ = 0.974 mho/m; ε_r = 55.909; ρ =

1000 kg/m^3
Ambient Temperature：21.5 ℃；Liquid Temperature：20.7 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3590; ConvF(10.32, 10.32, 10.32); Calibrated: 2011/02/25
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1277; Calibrated: 2011/07/29
- Phantom: SAM with CRP v5.0 Front; Type: QD000P40CD; Serial: TP:1653
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.6.4 (4989)

Pin=250mW/Area Scan (61x81x1): Measurement grid: dx=15mm, dy=15mm
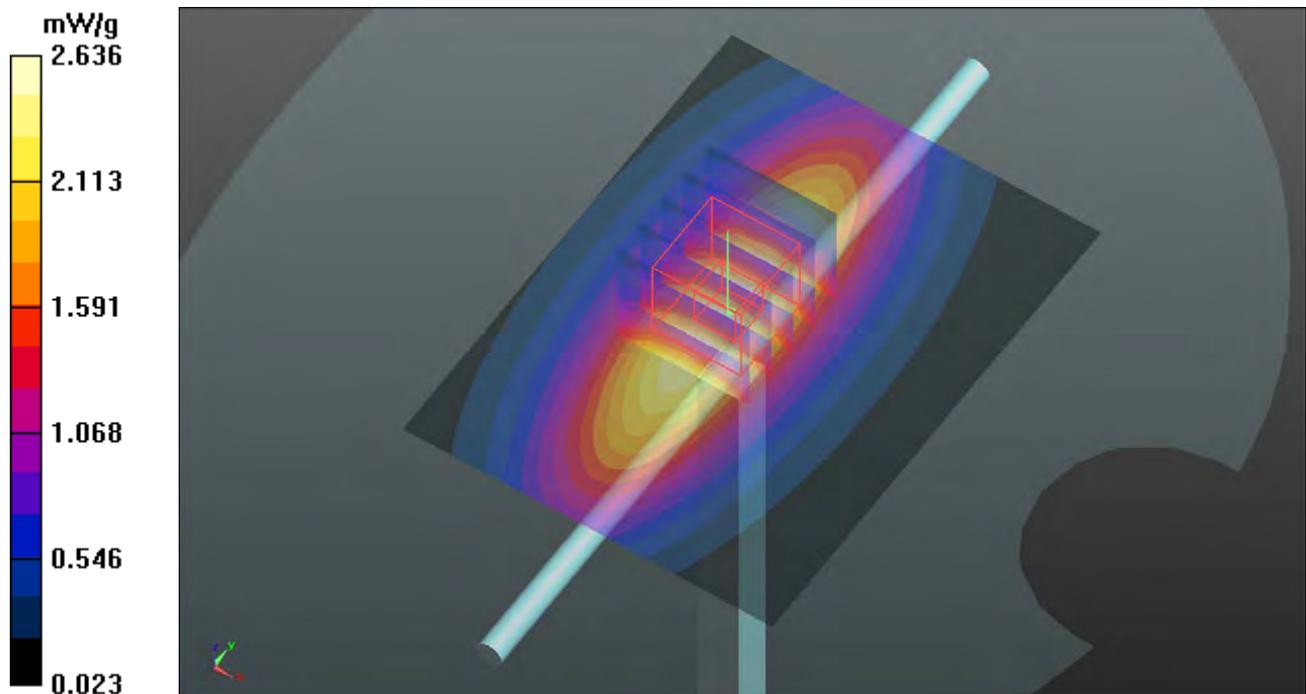Maximum value of SAR (interpolated) = 2.636 mW/g

Pin=250mW/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 52.842 V/m; Power Drift = 0.02 dB
Peak SAR (extrapolated) = 3.1310
SAR(1 g) = 2.12 mW/g; SAR(10 g) = 1.42 mW/g
Maximum value of SAR (measured) = 2.650 mW/g

System Check_B750_120118

DUT: Dipole 750 MHz; Type: D750V3; SN: 1013

Communication System: CW; Frequency: 750 MHz;Duty Cycle: 1:1
Medium: B750_0118 Medium parameters used: f = 750 MHz; σ = 0.966 mho/m; ε_r = 55.243; ρ =

1000 kg/m^3
Ambient Temperature：22.0 ℃；Liquid Temperature：21.3 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3650; ConvF(9.21, 9.21, 9.21); Calibrated: 2011/10/26
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2011/09/23
- Phantom: SAM Phantom_Front; Type: SAM; Serial: TP-1485
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.6.4 (4989)

Pin=250mW/Area Scan (61x131x1): Measurement grid: dx=15mm, dy=15mm
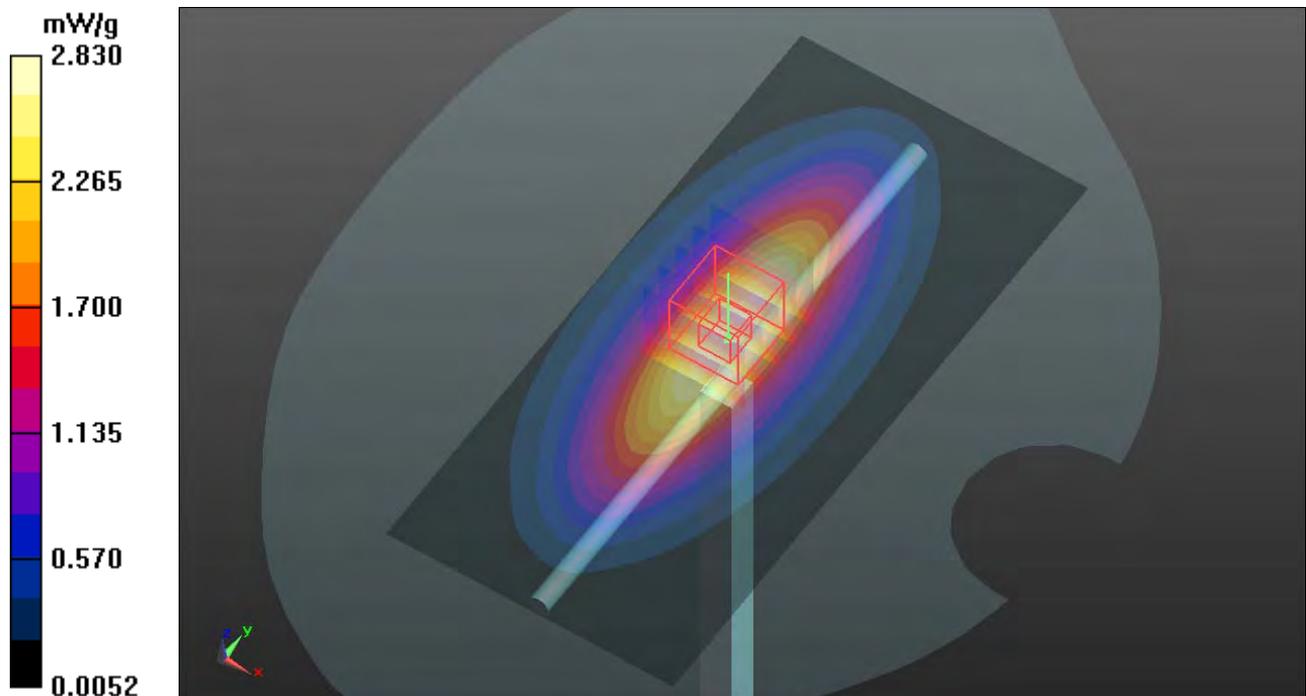Maximum value of SAR (interpolated) = 2.830 mW/g

Pin=250mW/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 55.471 V/m; Power Drift = 0.0056 dB
Peak SAR (extrapolated) = 3.3450
SAR(1 g) = 2.32 mW/g; SAR(10 g) = 1.56 mW/g
Maximum value of SAR (measured) = 2.899 mW/g

System Check_H2450_120117

DUT: Dipole 2450 MHz; Type: D2450V2; SN: 716

Communication System: CW; Frequency: 2450 MHz;Duty Cycle: 1:1
Medium: H2450_0117 Medium parameters used: f = 2450 MHz; σ = 1.843 mho/m; ε_r = 38.054; ρ =

1000 kg/m^3
Ambient Temperature：21.2 ℃；Liquid Temperature：20.6 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3650; ConvF(6.8, 6.8, 6.8); Calibrated: 2011/10/26
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2011/09/23
- Phantom: SAM Phantom_Front; Type: SAM; Serial: TP-1485
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.6.4 (4989)

Pin=250mW/Area Scan (61x61x1): Measurement grid: dx=15mm, dy=15mm
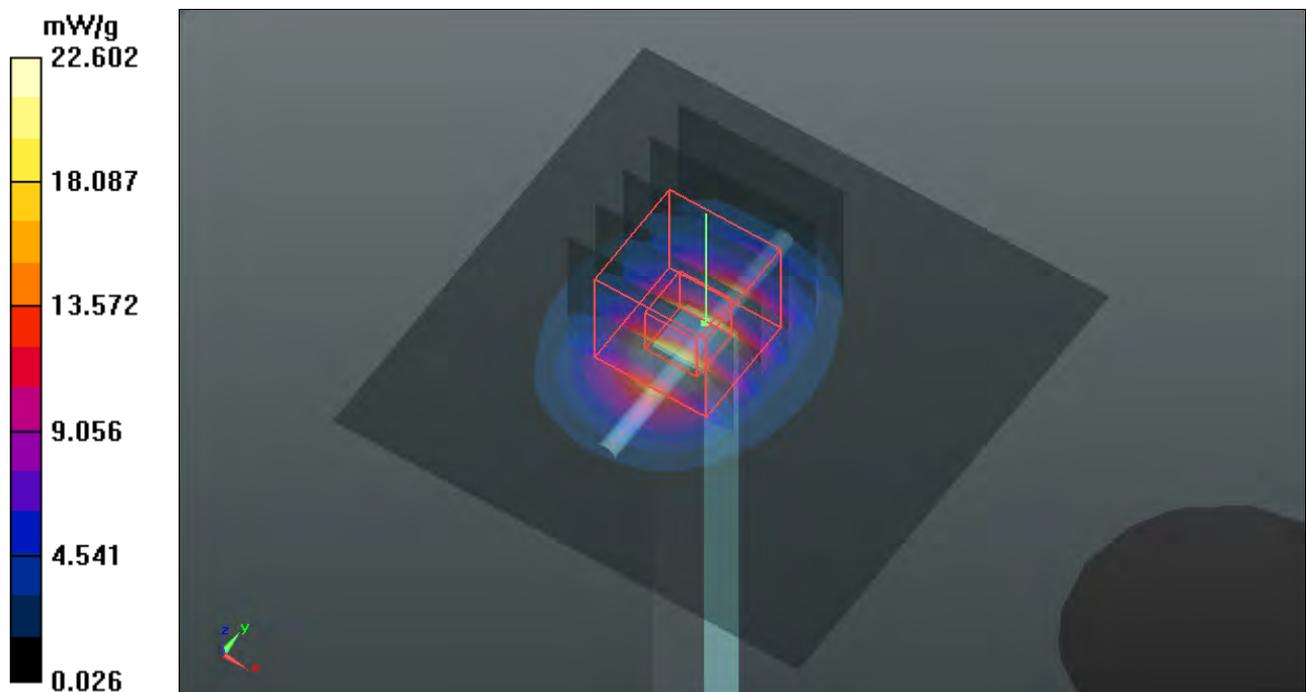Maximum value of SAR (interpolated) = 22.602 mW/g

Pin=250mW/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 107.4 V/m; Power Drift = 0.04 dB
Peak SAR (extrapolated) = 29.9480
SAR(1 g) = 13.4 mW/g; SAR(10 g) = 6.1 mW/g
Maximum value of SAR (measured) = 20.625 mW/g

System Check_B2450_120108

DUT: Dipole 2450 MHz; Type: D2450V2; SN: 716

Communication System: CW; Frequency: 2450 MHz;Duty Cycle: 1:1
Medium: B2450_0108 Medium parameters used: f = 2450 MHz; σ = 1.98 mho/m; ε_r = 51.1; ρ = 1000 kg/m^3
Ambient Temperature：21.8 ℃；Liquid Temperature：20.7 ℃

DASY4 Configuration:
- Probe: EX3DV4 - SN3590; ConvF(7.91, 7.91, 7.91); Calibrated: 2011/02/25
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861; Calibrated: 2011/08/29
- Phantom: SAM Phantom_Front; Type: SAM V4.0; Serial: TP 1654
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Pin=250mW/Area Scan (61x61x1): Measurement grid: dx=15mm, dy=15mm
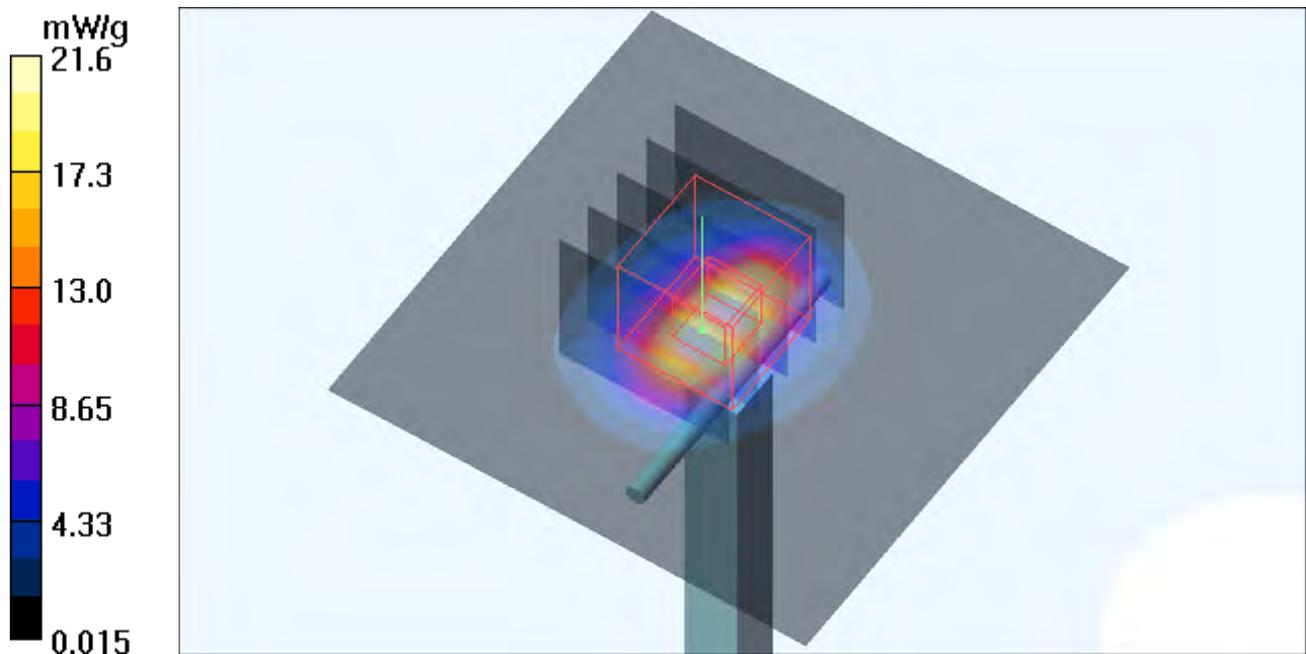Maximum value of SAR (interpolated) = 21.6 mW/g

Pin=250mW/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 104.2 V/m; Power Drift = 0.044 dB
Peak SAR (extrapolated) = 28.4 W/kg
SAR(1 g) = 13.9 mW/g; SAR(10 g) = 6.4 mW/g
Maximum value of SAR (measured) = 20.9 mW/g

System Check_B2450_120117

DUT: Dipole 2450 MHz; Type: D2450V2; SN: 716

Communication System: CW; Frequency: 2450 MHz;Duty Cycle: 1:1
Medium: B2450_0117 Medium parameters used: f = 2450 MHz; σ = 1.975 mho/m; ε_r = 50.958; ρ =

1000 kg/m^3
Ambient Temperature：21.2 ℃；Liquid Temperature：20.6 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3650; ConvF(6.89, 6.89, 6.89); Calibrated: 2011/10/26
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2011/09/23
- Phantom: SAM Phantom_Left; Type: SAM; Serial: 1202
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.6.4 (4989)

Pin=250mW/Area Scan (61x61x1): Measurement grid: dx=15mm, dy=15mm
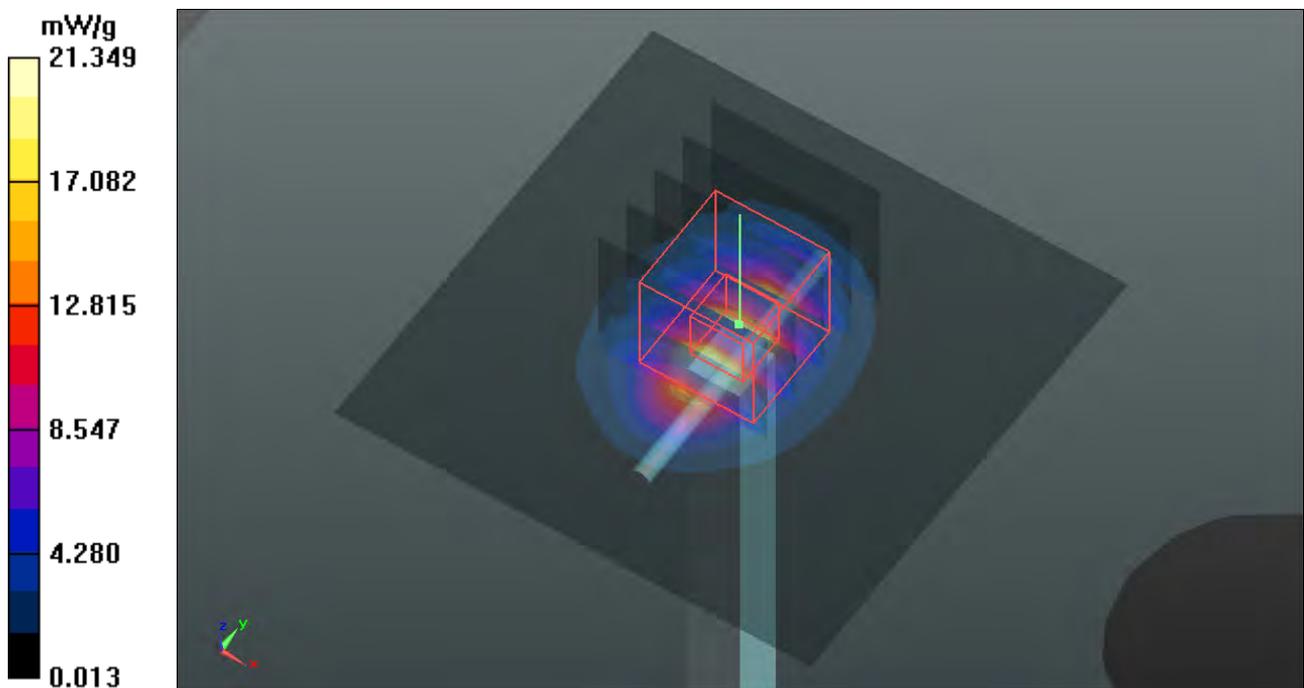Maximum value of SAR (interpolated) = 21.349 mW/g

Pin=250mW/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 103.2 V/m; Power Drift = 0.0064 dB
Peak SAR (extrapolated) = 28.0900
SAR(1 g) = 13.6 mW/g; SAR(10 g) = 6.29 mW/g
Maximum value of SAR (measured) = 20.497 mW/g

System Check_H5200_120109

DUT: Dipole 5 GHz; Type: D5GHzV2; SN: 1019

Communication System: CW; Frequency: 5200 MHz;Duty Cycle: 1:1
Medium: H5G_0109 Medium parameters used: f = 5200 MHz; σ = 4.71 mho/m; ε_r = 35.3; ρ = 1000 kg/m^3
Ambient Temperature：21.4 ℃；Liquid Temperature：20.8 ℃

DASY4 Configuration:
- Probe: EX3DV4 - SN3590; ConvF(5.51, 5.51, 5.51); Calibrated: 2011/02/25
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861; Calibrated: 2011/08/29
- Phantom: SAM Phantom_Front; Type: SAM V4.0; Serial: TP 1654
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Pin=100mW/Area Scan (91x91x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 16.2 mW/g

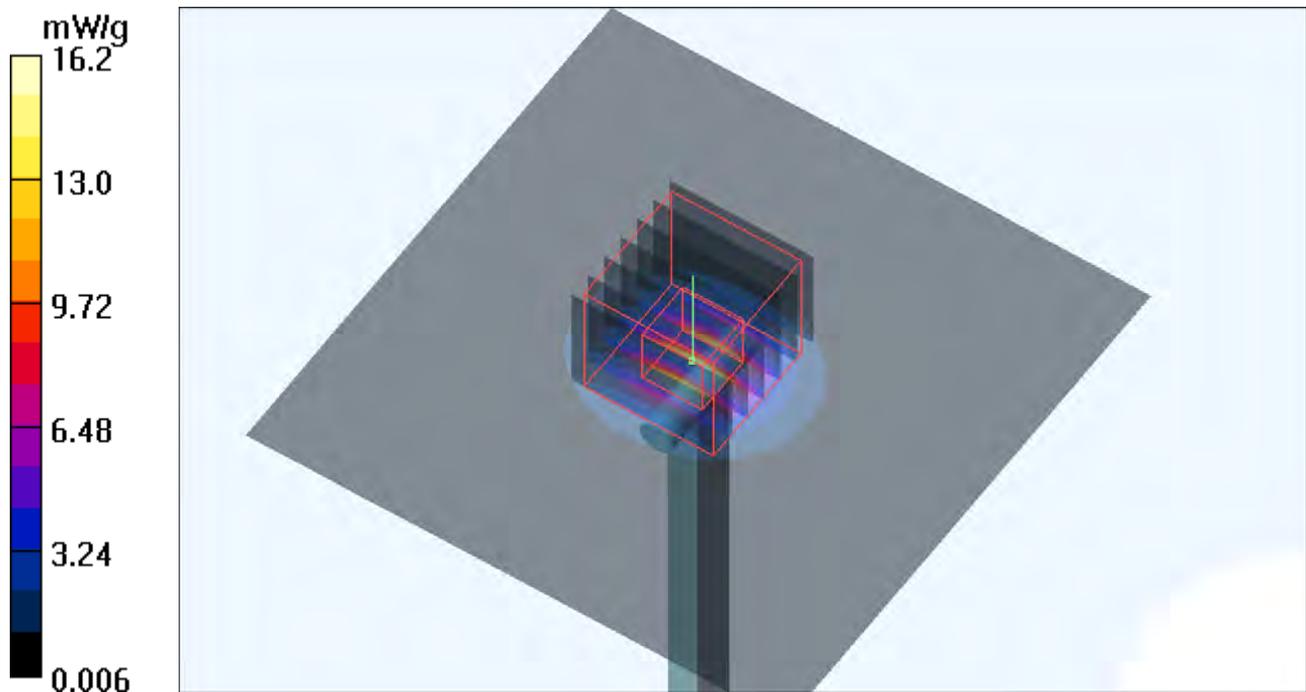### Pin=100mW/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 60.8 V/m; Power Drift = 0.080 dB
Peak SAR (extrapolated) = 31.9 W/kg
SAR(1 g) = 7.6 mW/g; SAR(10 g) = 2.15 mW/g
Maximum value of SAR (measured) = 15.9 mW/g

System Check_H5200_120117

DUT: Dipole 5 GHz; Type: D5GHzV2; SN: 1019

Communication System: CW; Frequency: 5200 MHz;Duty Cycle: 1:1
Medium: H5G_0117 Medium parameters used: f = 5200 MHz; σ = 4.793 mho/m; $ε_r$ = 36.787; ρ =

1000 kg/m^3
Ambient Temperature：20.8 ℃；Liquid Temperature：20.5 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3650; ConvF(5.05, 5.05, 5.05); Calibrated: 2011/10/26
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2011/09/23
- Phantom: SAM Phantom_Left; Type: SAM; Serial: 1202
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.6.4 (4989)

Pin=100mW/Area Scan (91x91x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 17.652 mW/g

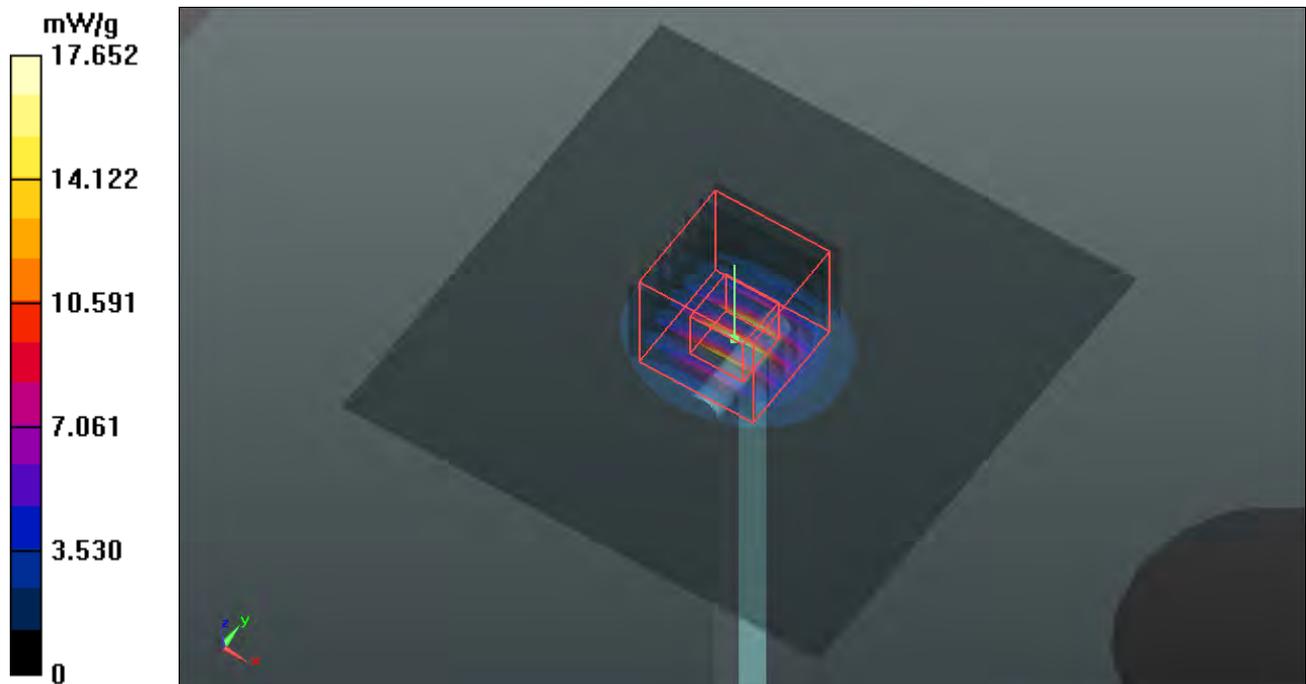**Pin=100mW/Zoom Scan (7x7x9)/Cube 0:** Measurement grid: dx=4mm,
dy=4mm, dz=2.5mm
Reference Value = 65.704 V/m; Power Drift = -0.15 dB
Peak SAR (extrapolated) = 34.7710
SAR(1 g) = 8.48 mW/g; SAR(10 g) = 2.42 mW/g
Maximum value of SAR (measured) = 18.099 mW/g

System Check_B5200_120107

DUT: Dipole 5 GHz; Type: D5GHzV2; SN: 1019

Communication System: CW; Frequency: 5200 MHz;Duty Cycle: 1:1
Medium: B5G_0107 Medium parameters used: f = 5200 MHz; σ = 5.23 mho/m; ε_r = 49.2; ρ = 1000 kg/m^3
Ambient Temperature：21.6 ℃；Liquid Temperature：21.3 ℃

DASY4 Configuration:
- Probe: EX3DV4 - SN3650; ConvF(4.28, 4.28, 4.28); Calibrated: 2011/10/26
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2011/09/23
- Phantom: SAM Phantom_Left; Type: SAM V4.0; Serial: TP 1652
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Pin=100mW/Area Scan (91x91x1): Measurement grid: dx=10mm, dy=10mm
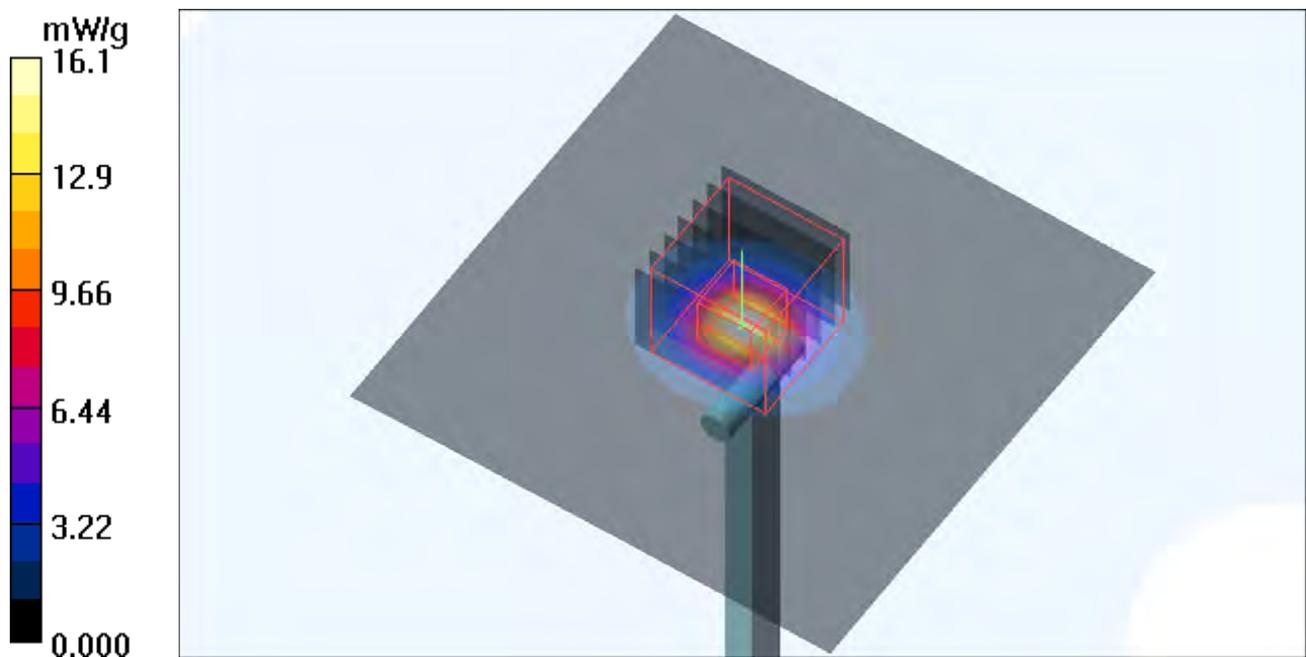Maximum value of SAR (interpolated) = 16.1 mW/g

Pin=100mW/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 59.9 V/m; Power Drift = 0.026 dB
Peak SAR (extrapolated) = 27.3 W/kg
SAR(1 g) = 7.63 mW/g; SAR(10 g) = 2.25 mW/g
Maximum value of SAR (measured) = 15.8 mW/g

System Check_B5200_120117

DUT: Dipole 5 GHz; Type: D5GHzV2; SN: 1019

Communication System: CW; Frequency: 5200 MHz;Duty Cycle: 1:1
Medium: B5G_0117 Medium parameters used: f = 5200 MHz; σ = 5.163 mho/m; ε_r = 47.875; ρ =

1000 kg/m^3
Ambient Temperature：20.9 ℃；Liquid Temperature：20.5 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3650; ConvF(4.28, 4.28, 4.28); Calibrated: 2011/10/26
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2011/09/23
- Phantom: SAM Phantom_Front; Type: SAM; Serial: TP-1485
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.6.4 (4989)

Pin=100mW/Area Scan (91x91x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 15.684 mW/g

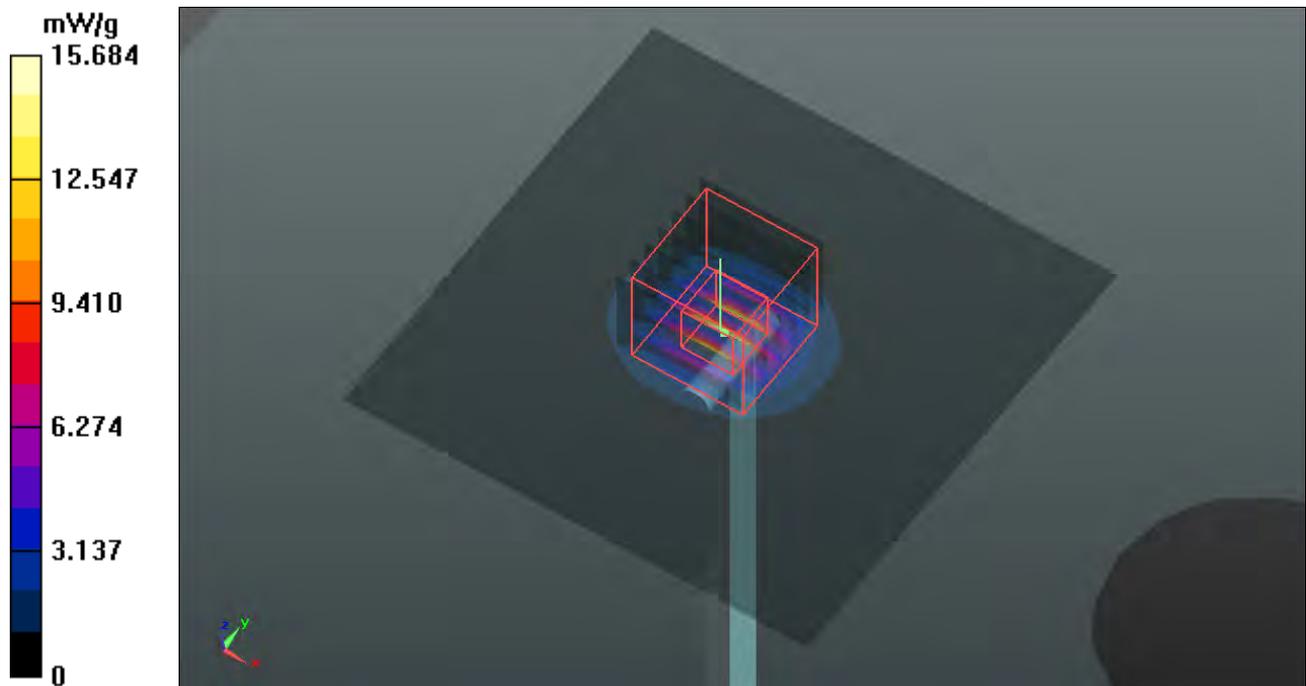**Pin=100mW/Zoom Scan (7x7x9)/Cube 0:** Measurement grid: dx=4mm,
dy=4mm, dz=2.5mm
Reference Value = 59.517 V/m; Power Drift = 0.08 dB
Peak SAR (extrapolated) = 26.6140
SAR(1 g) = 7.48 mW/g; SAR(10 g) = 2.22 mW/g
Maximum value of SAR (measured) = 15.495 mW/g

System Check_H5500_120109

DUT: Dipole 5 GHz; Type: D5GHzV2; SN: 1019

Communication System: CW; Frequency: 5500 MHz;Duty Cycle: 1:1
Medium: H5G_0109 Medium parameters used: f = 5500 MHz; σ = 4.86 mho/m; ε_r = 34.8; ρ = 1000 kg/m^3
Ambient Temperature：21.1 ℃；Liquid Temperature：20.8 ℃

DASY4 Configuration:
- Probe: EX3DV4 - SN3590; ConvF(5, 5, 5); Calibrated: 2011/02/25
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861; Calibrated: 2011/08/29
- Phantom: SAM Phantom_Front; Type: SAM V4.0; Serial: TP 1654
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Pin=100mW/Area Scan (91x91x1): Measurement grid: dx=10mm, dy=10mm
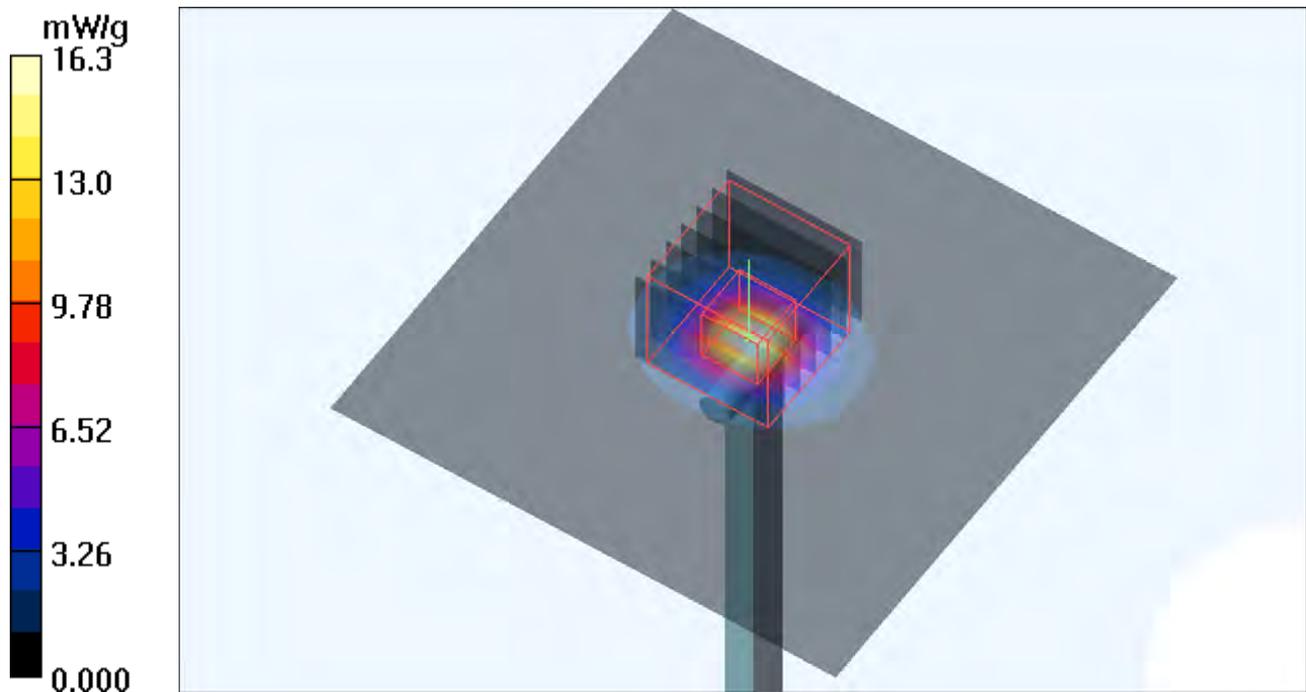Maximum value of SAR (interpolated) = 16.3 mW/g

Pin=100mW/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 61.1 V/m; Power Drift = 0.273 dB
Peak SAR (extrapolated) = 35.0 W/kg
SAR(1 g) = 8.02 mW/g; SAR(10 g) = 2.23 mW/g
Maximum value of SAR (measured) = 17.5 mW/g

System Check_H5500_120117

DUT: Dipole 5 GHz; Type: D5GHzV2; SN: 1019

Communication System: CW; Frequency: 5500 MHz;Duty Cycle: 1:1
Medium: H5G_0117 Medium parameters used: f = 5500 MHz; σ = 4.988 mho/m; ε_r = 36.385; ρ =

1000 kg/m^3
Ambient Temperature：20.9 ℃；Liquid Temperature：20.5 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3650; ConvF(4.56, 4.56, 4.56); Calibrated: 2011/10/26
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2011/09/23
- Phantom: SAM Phantom_Left; Type: SAM; Serial: 1202
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.6.4 (4989)

Pin=100mW/Area Scan (91x91x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 19.515 mW/g

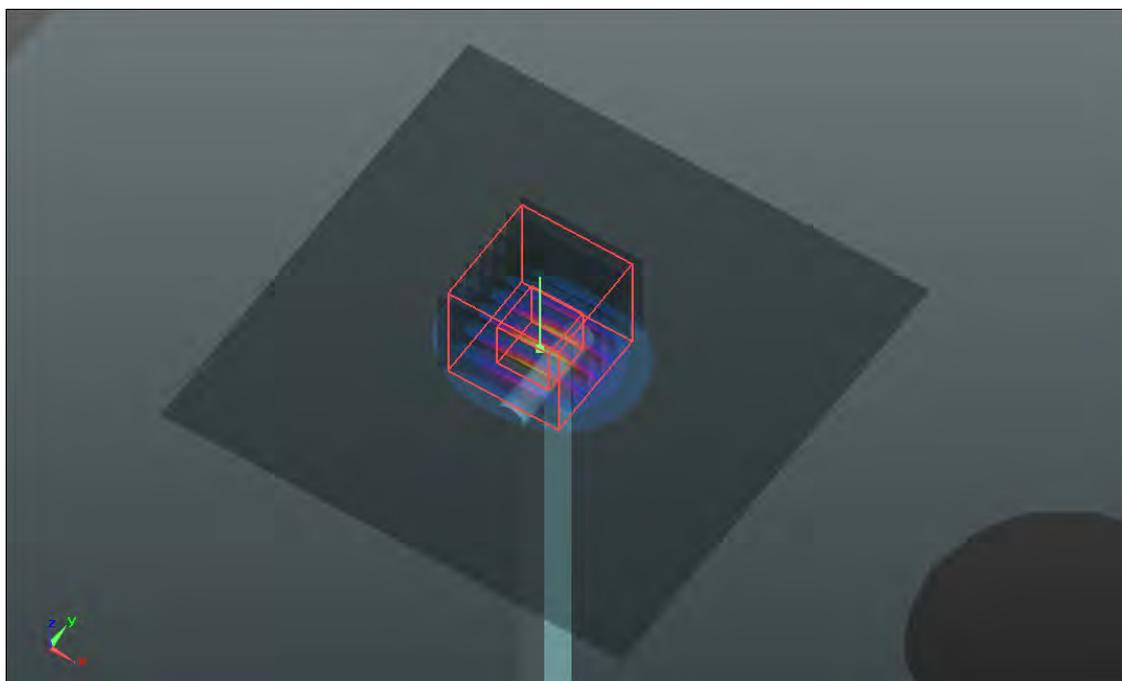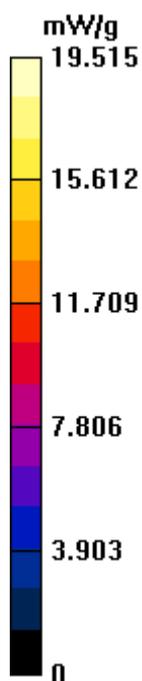### Pin=100mW/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm,
dy=4mm, dz=2.5mm
Reference Value = 67.400 V/m; Power Drift = -0.15 dB
Peak SAR (extrapolated) = 35.2100
SAR(1 g) = 8.67 mW/g; SAR(10 g) = 2.43 mW/g
Maximum value of SAR (measured) = 18.441 mW/g

System Check_B5500_120107

DUT: Dipole 5 GHz; Type: D5GHzV2; SN: 1019

Communication System: CW; Frequency: 5500 MHz;Duty Cycle: 1:1
Medium: B5G_0107 Medium parameters used: f = 5500 MHz; σ = 5.71 mho/m; ε_r = 49; ρ = 1000 kg/m^3
Ambient Temperature：21.6 ℃；Liquid Temperature：21.3 ℃

DASY4 Configuration:
- Probe: EX3DV4 - SN3650; ConvF(3.73, 3.73, 3.73); Calibrated: 2011/10/26
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2011/09/23
- Phantom: SAM Phantom_Left; Type: SAM V4.0; Serial: TP 1652
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Pin=100mW/Area Scan (91x91x1): Measurement grid: dx=10mm, dy=10mm
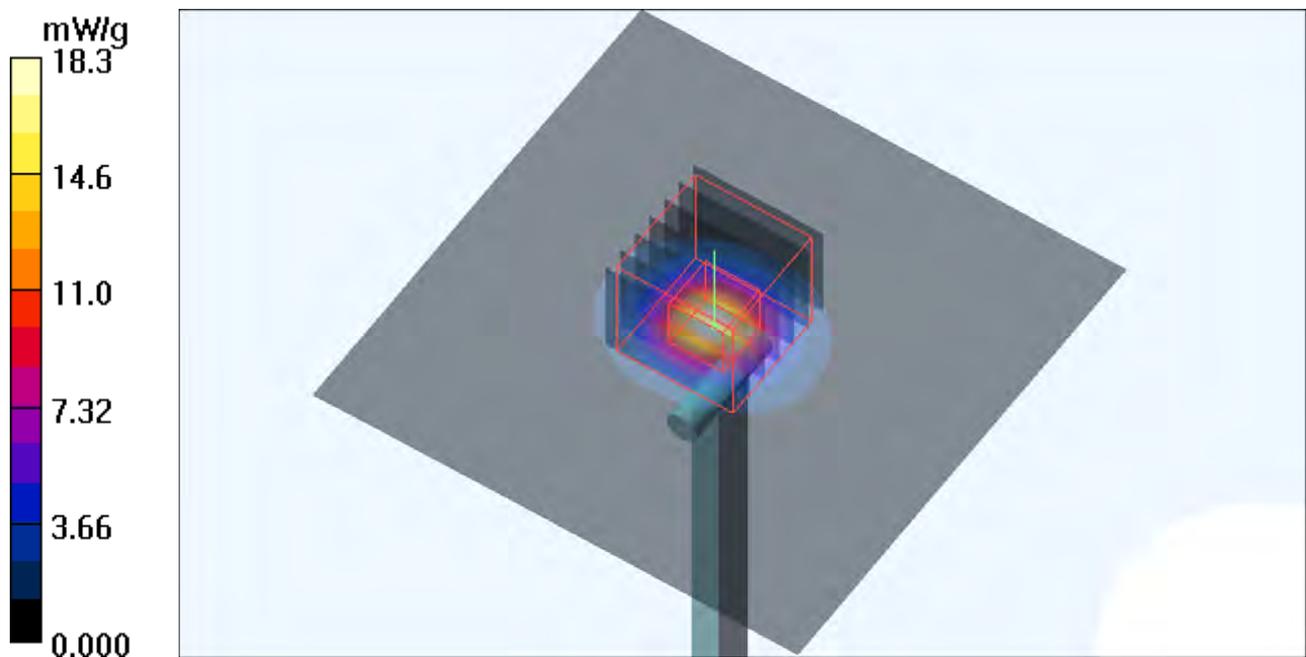Maximum value of SAR (interpolated) = 18.3 mW/g

Pin=100mW/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 61.9 V/m; Power Drift = 0.026 dB
Peak SAR (extrapolated) = 30.1 W/kg
SAR(1 g) = 8.37 mW/g; SAR(10 g) = 2.43 mW/g
Maximum value of SAR (measured) = 17.8 mW/g

System Check_B5500_120117

DUT: Dipole 5 GHz; Type: D5GHzV2; SN: 1019

Communication System: CW; Frequency: 5500 MHz;Duty Cycle: 1:1
Medium: B5G_0117 Medium parameters used: f = 5500 MHz; σ = 5.662 mho/m; ε_r = 47.761; ρ =

1000 kg/m^3
Ambient Temperature：20.9 ℃；Liquid Temperature：20.5 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3650; ConvF(3.73, 3.73, 3.73); Calibrated: 2011/10/26
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2011/09/23
- Phantom: SAM Phantom_Front; Type: SAM; Serial: TP-1485
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.6.4 (4989)

Pin=100mW/Area Scan (91x91x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 17.518 mW/g

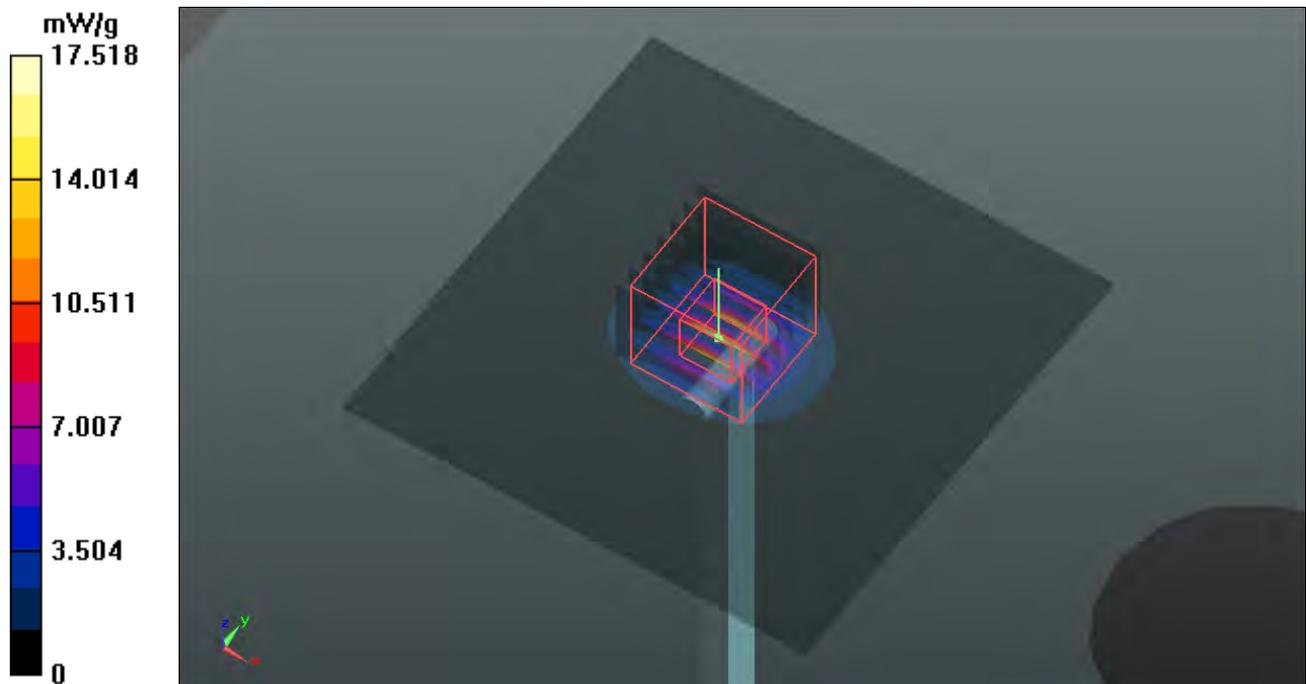**Pin=100mW/Zoom Scan (7x7x9)/Cube 0:** Measurement grid: dx=4mm,
dy=4mm, dz=2.5mm
Reference Value = 60.673 V/m; Power Drift = 0.03 dB
Peak SAR (extrapolated) = 28.5540
SAR(1 g) = 8 mW/g; SAR(10 g) = 2.32 mW/g
Maximum value of SAR (measured) = 16.725 mW/g

System Check_H5800_120109

DUT: Dipole 5 GHz; Type: D5GHzV2; SN: 1019

Communication System: CW; Frequency: 5800 MHz;Duty Cycle: 1:1
Medium: H5G_0109 Medium parameters used: f = 5800 MHz; σ = 5.07 mho/m; ε_r = 34.6; ρ = 1000 kg/m^3
Ambient Temperature：21.3 ℃；Liquid Temperature：20.8 ℃

DASY4 Configuration:
- Probe: EX3DV4 - SN3590; ConvF(4.53, 4.53, 4.53); Calibrated: 2011/02/25
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861; Calibrated: 2011/08/29
- Phantom: SAM Phantom_Front; Type: SAM V4.0; Serial: TP 1654
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Pin=100mW/Area Scan (91x91x1): Measurement grid: dx=10mm, dy=10mm
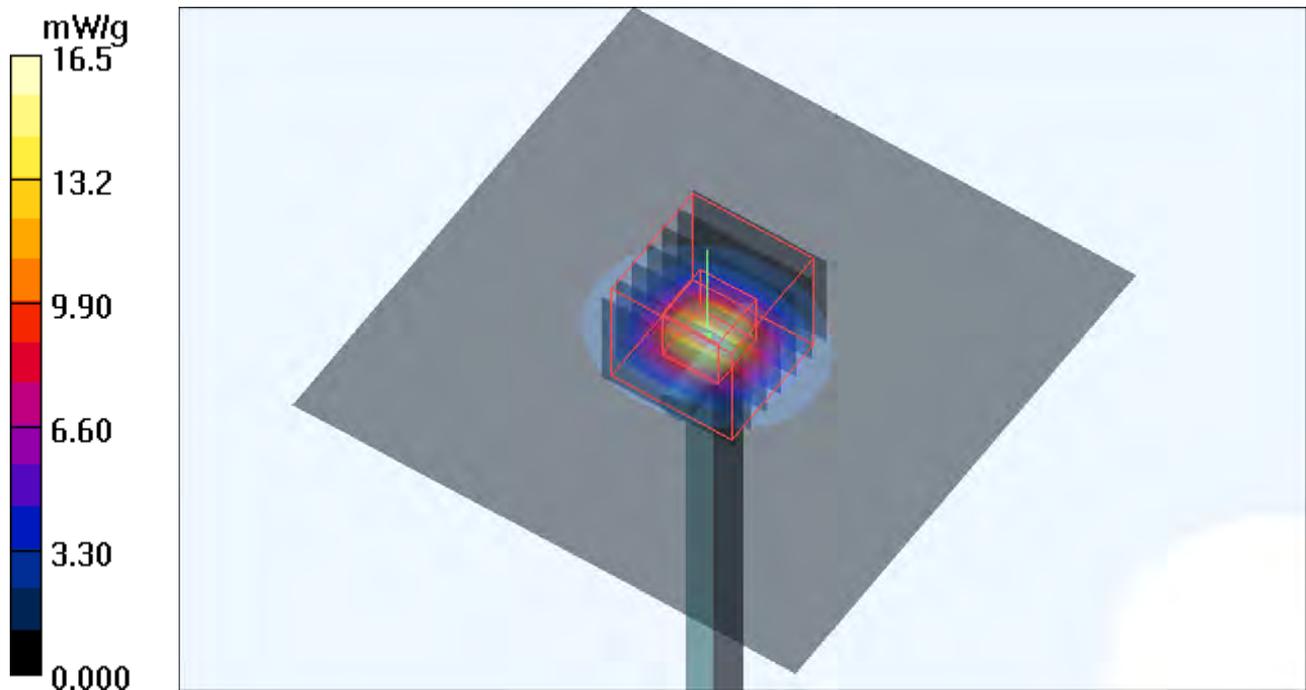Maximum value of SAR (interpolated) = 16.5 mW/g

Pin=100mW/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 63.7 V/m; Power Drift = -0.015 dB
Peak SAR (extrapolated) = 34.2 W/kg
SAR(1 g) = 7.8 mW/g; SAR(10 g) = 2.12 mW/g
Maximum value of SAR (measured) = 16.4 mW/g

System Check_H5800_120117

DUT: Dipole 5 GHz; Type: D5GHzV2; SN: 1019

Communication System: CW; Frequency: 5800 MHz;Duty Cycle: 1:1
Medium: H5G_0117 Medium parameters used: f = 5800 MHz; σ = 5.202 mho/m; ε_r = 36.17; ρ =

1000 kg/m^3
Ambient Temperature：20.9 ℃；Liquid Temperature：20.5 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3650; ConvF(4.3, 4.3, 4.3); Calibrated: 2011/10/26
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2011/09/23
- Phantom: SAM Phantom_Left; Type: SAM; Serial: 1202
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.6.4 (4989)

Pin=100mW/Area Scan (91x91x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 17.101 mW/g

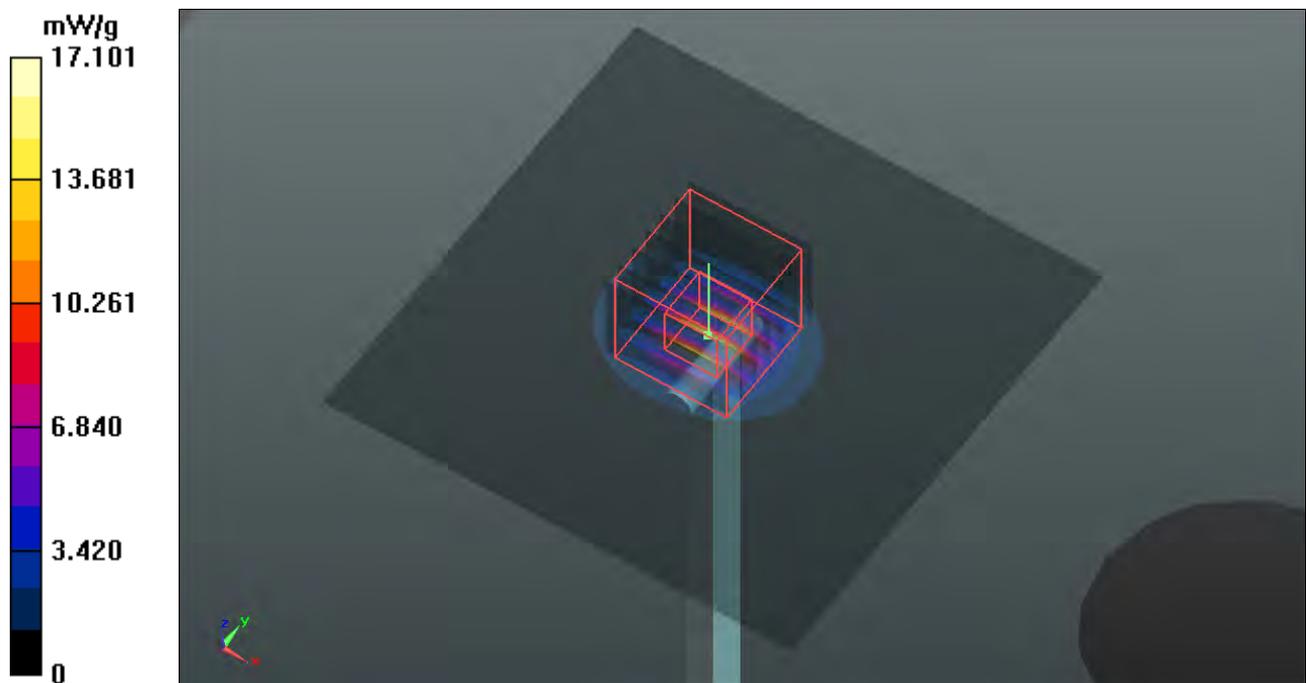### Pin=100mW/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm,
dy=4mm, dz=2.5mm
Reference Value = 62.525 V/m; Power Drift = 0.04 dB
Peak SAR (extrapolated) = 32.7420
SAR(1 g) = 7.86 mW/g; SAR(10 g) = 2.22 mW/g
Maximum value of SAR (measured) = 17.039 mW/g

System Check_B5800_120107

DUT: Dipole 5 GHz; Type: D5GHzV2; SN: 1019

Communication System: CW; Frequency: 5800 MHz;Duty Cycle: 1:1
Medium: B5G_0107 Medium parameters used: f = 5800 MHz; σ = 6.21 mho/m; ε_r = 48.3; ρ = 1000 kg/m³
Ambient Temperature：21.6 ℃; Liquid Temperature：21.3 ℃

DASY4 Configuration:
- Probe: EX3DV4 - SN3650; ConvF(3.81, 3.81, 3.81); Calibrated: 2011/10/26
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2011/09/23
- Phantom: SAM Phantom_Left; Type: SAM V4.0; Serial: TP 1652
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Pin=100mW/Area Scan (91x91x1): Measurement grid: dx=10mm, dy=10mm
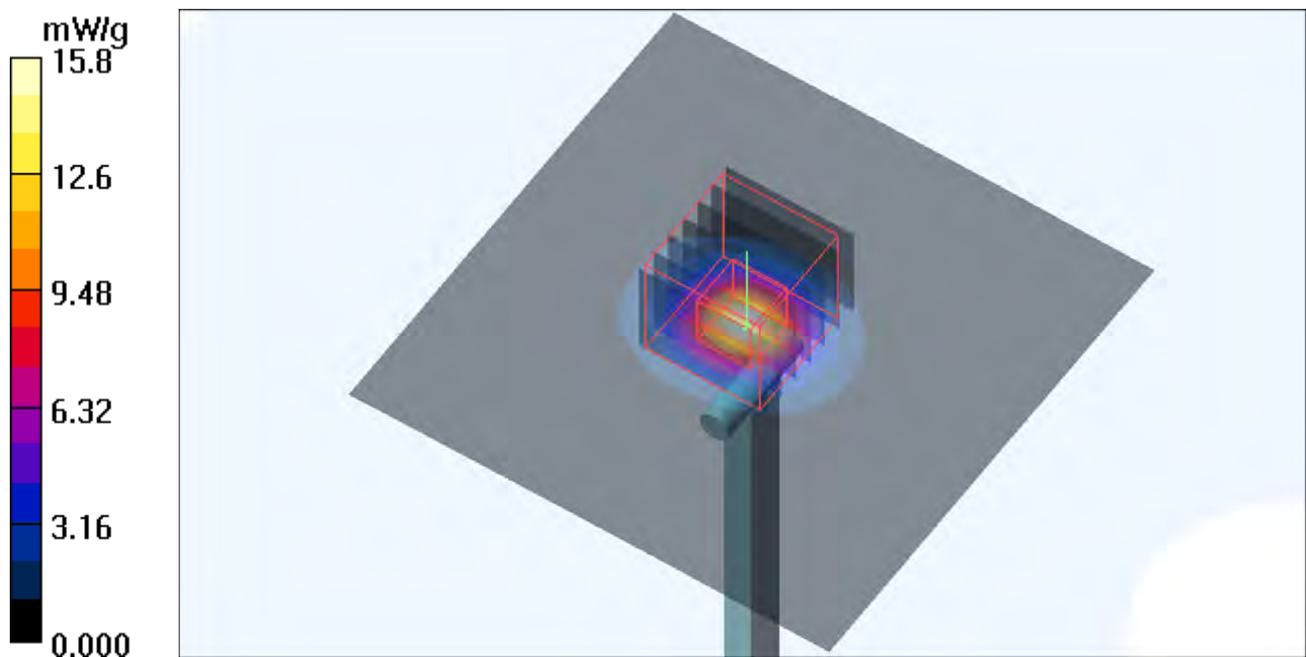Maximum value of SAR (interpolated) = 15.8 mW/g

Pin=100mW/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 55.9 V/m; Power Drift = 0.047 dB
Peak SAR (extrapolated) = 27.9 W/kg
SAR(1 g) = 7.36 mW/g; SAR(10 g) = 2.14 mW/g
Maximum value of SAR (measured) = 15.5 mW/g

System Check_B5800_120117

DUT: Dipole 5 GHz; Type: D5GHzV2; SN: 1019

Communication System: CW; Frequency: 5800 MHz;Duty Cycle: 1:1
Medium: B5G_0117 Medium parameters used: f = 5800 MHz; σ = 6.256 mho/m; ε_r = 47.082; ρ =

1000 kg/m^3
Ambient Temperature：20.9 ℃；Liquid Temperature：20.5 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3650; ConvF(3.81, 3.81, 3.81); Calibrated: 2011/10/26
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2011/09/23
- Phantom: SAM Phantom_Front; Type: SAM; Serial: TP-1485
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.6.4 (4989)

Pin=100mW/Area Scan (91x91x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 16.808 mW/g

Pin=100mW/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm,
dy=4mm, dz=2.5mm
Reference Value = 57.582 V/m; Power Drift = 0.02 dB
Peak SAR (extrapolated) = 29.8760
SAR(1 g) = 7.87 mW/g; SAR(10 g) = 2.28 mW/g
Maximum value of SAR (measured) = 16.599 mW/g