Appendix A.   Plots of System Performance Check

The plots are shown as follows.

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Report Version   : Rev. 01

System Check_Head_835MHz_110510

DUT: Dipole 835 MHz

Communication System: CW; Frequency: 835 MHz;Duty Cycle: 1:1
Medium: HSL_835_110510 Medium parameters used: f = 835 MHz; σ = 0.912 mho/m; ε_r = 41.9; ρ

= 1000 kg/m^3
Ambient Temperature：23.5 ℃；Liquid Temperature：21.6 ℃

DASY5 Configuration:
- Probe: ET3DV6 - SN1788; ConvF(6.23, 6.23, 6.23); Calibrated: 2010-9-21
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2010-11-18
- Phantom: SAM1; Type: SAM; Serial: TP-1479
- Measurement SW: DASY5, V5.2 Build 157; SEMCAD X Version 14.0 Build 59

Pin=250mW/Area Scan (61x61x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 2.64 mW/g

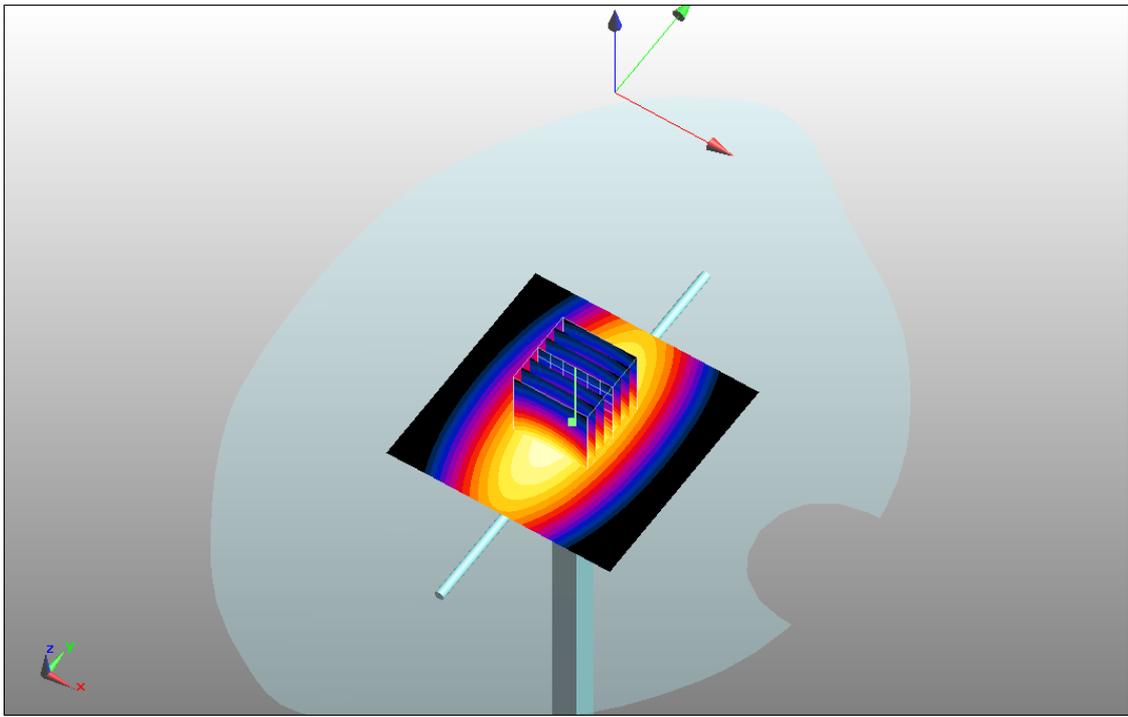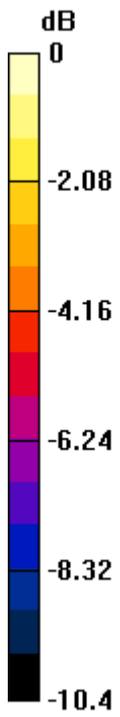**Pin=250mW/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 55.9 V/m; Power Drift = -0.00634 dB
Peak SAR (extrapolated) = 3.57 W/kg
SAR(1 g) = 2.44 mW/g; SAR(10 g) = 1.6 mW/g
Maximum value of SAR (measured) = 2.64 mW/g

0 dB = 2.64mW/g

System Check_Body_835MHz_110511

DUT: Dipole 835 MHz

Communication System: CW; Frequency: 835 MHz;Duty Cycle: 1:1
Medium: MSL_835_110511 Medium parameters used: f = 835 MHz; σ = 0.976 mho/m; ε_r = 54.4; ρ

= 1000 kg/m^3
Ambient Temperature：23.4 ℃；Liquid Temperature：21.4 ℃

DASY5 Configuration:
- Probe: ET3DV6 - SN1788; ConvF(5.99, 5.99, 5.99); Calibrated: 2010-9-21
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2010-11-18
- Phantom: SAM3; Type: SAM; Serial: TP-1477
- Measurement SW: DASY5, V5.2 Build 157; SEMCAD X Version 14.0 Build 59

Pin=250mW/Area Scan (61x61x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 2.75 mW/g

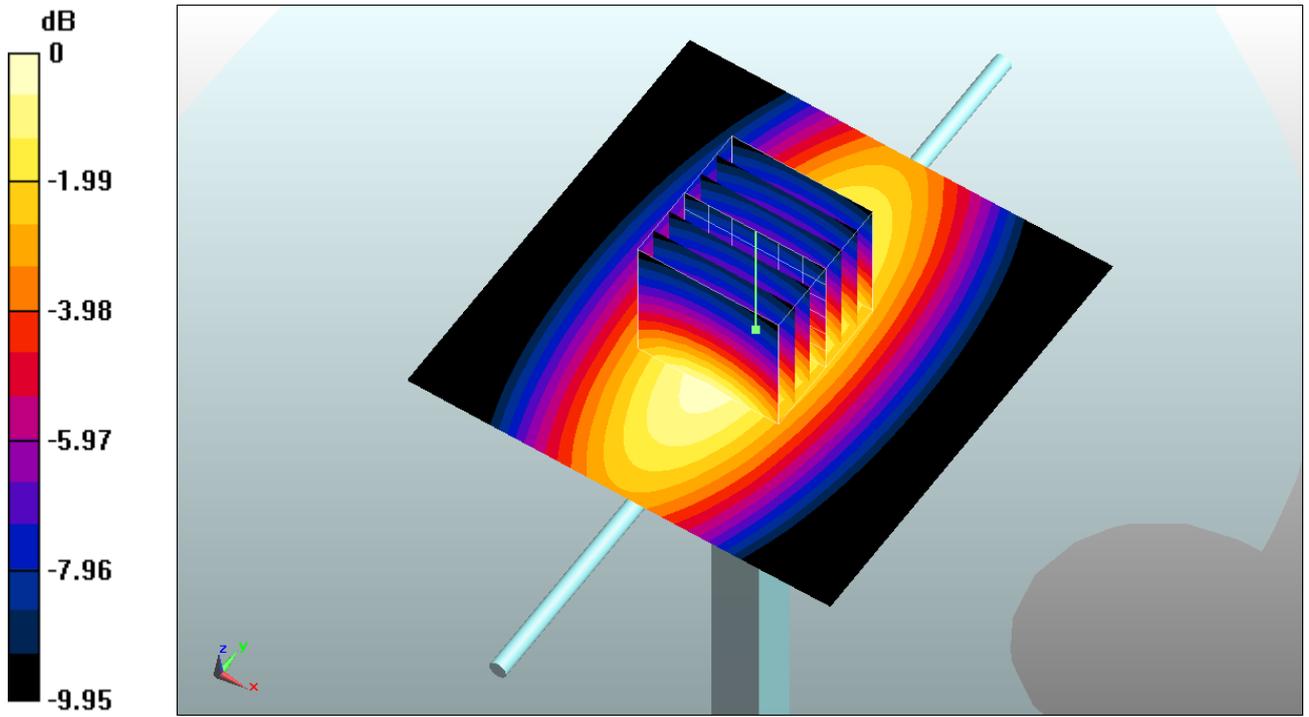**Pin=250mW/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 55.3 V/m; Power Drift = -0.023 dB
Peak SAR (extrapolated) = 3.6 W/kg
SAR(1 g) = 2.54 mW/g; SAR(10 g) = 1.69 mW/g
Maximum value of SAR (measured) = 2.76 mW/g

0 dB = 2.76mW/g

System Check_Head_1800MHz_110510

DUT: Dipole 1800 MHz

Communication System: CW; Frequency: 1800 MHz;Duty Cycle: 1:1
Medium: HSL_1800_110510 Medium parameters used: f = 1800 MHz; σ = 1.43 mho/m; ε_r = 39.5; ρ

= 1000 kg/m^3
Ambient Temperature：23.3 ℃；Liquid Temperature：21.3 ℃

DASY5 Configuration:
- Probe: ET3DV6 - SN1788; ConvF(5.29, 5.29, 5.29); Calibrated: 2010-9-21
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2010-11-18
- Phantom: SAM3; Type: SAM; Serial: TP-1477
- Measurement SW: DASY5, V5.2 Build 157; SEMCAD X Version 14.0 Build 59

Pin=250mW/Area Scan (61x61x1): Measurement grid: dx=15mm, dy=15mm
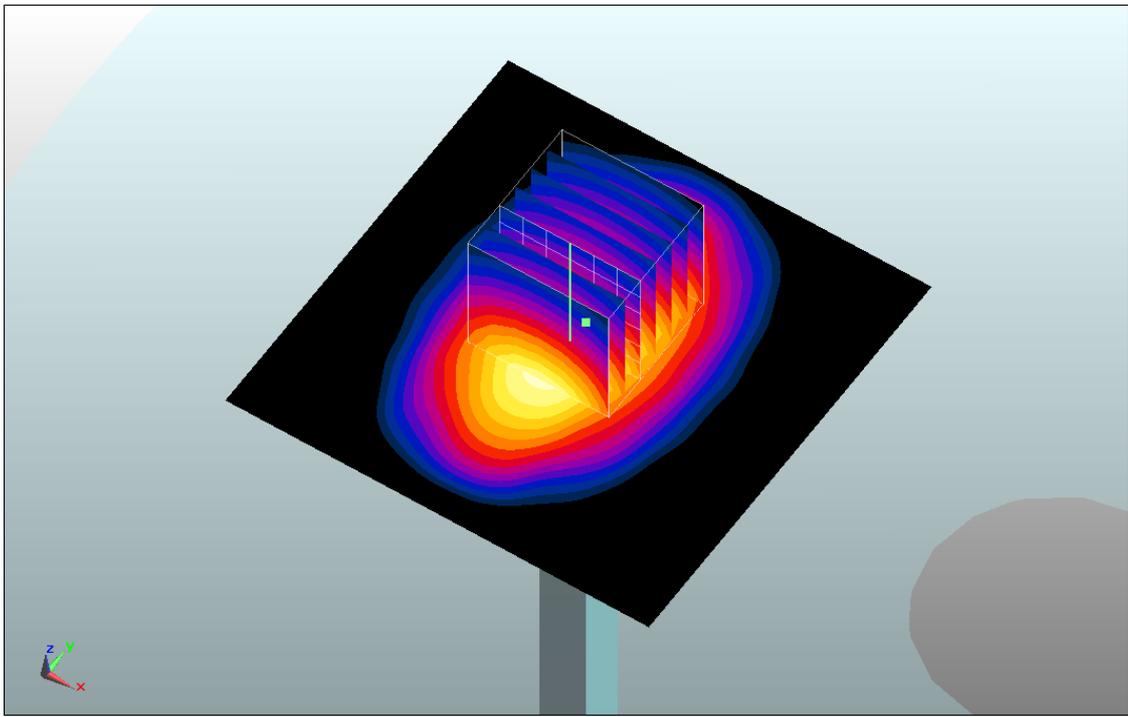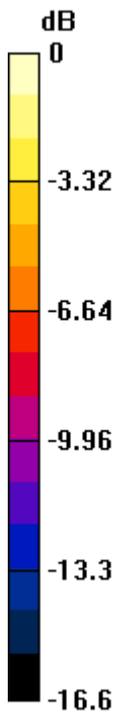Maximum value of SAR (interpolated) = 10.6 mW/g

Pin=250mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 89.1 V/m; Power Drift = 0.037 dB
Peak SAR (extrapolated) = 15.5 W/kg
SAR(1 g) = 9.1 mW/g; SAR(10 g) = 4.88 mW/g
Maximum value of SAR (measured) = 10.3 mW/g

0 dB = 10.3mW/g

System Check_Body_1800MHz_110511

DUT: Dipole 1800 MHz

Communication System: CW; Frequency: 1800 MHz;Duty Cycle: 1:1
Medium: MSL_1800_110511 Medium parameters used: f = 1800 MHz; σ = 1.56 mho/m; $ε_r$ = 50.8;

$ρ$ = 1000 kg/m^3
Ambient Temperature：23.3 ℃；Liquid Temperature：21.4 ℃

DASY5 Configuration:
- Probe: ET3DV6 - SN1788; ConvF(4.67, 4.67, 4.67); Calibrated: 2010-9-21
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2010-11-18
- Phantom: SAM1; Type: SAM; Serial: TP-1479
- Measurement SW: DASY52, V52.6 Build 2; SEMCAD X Version 14.0 Build 59

Pin=250mW/Area Scan (61x61x1): Measurement grid: dx=15mm, dy=15mm
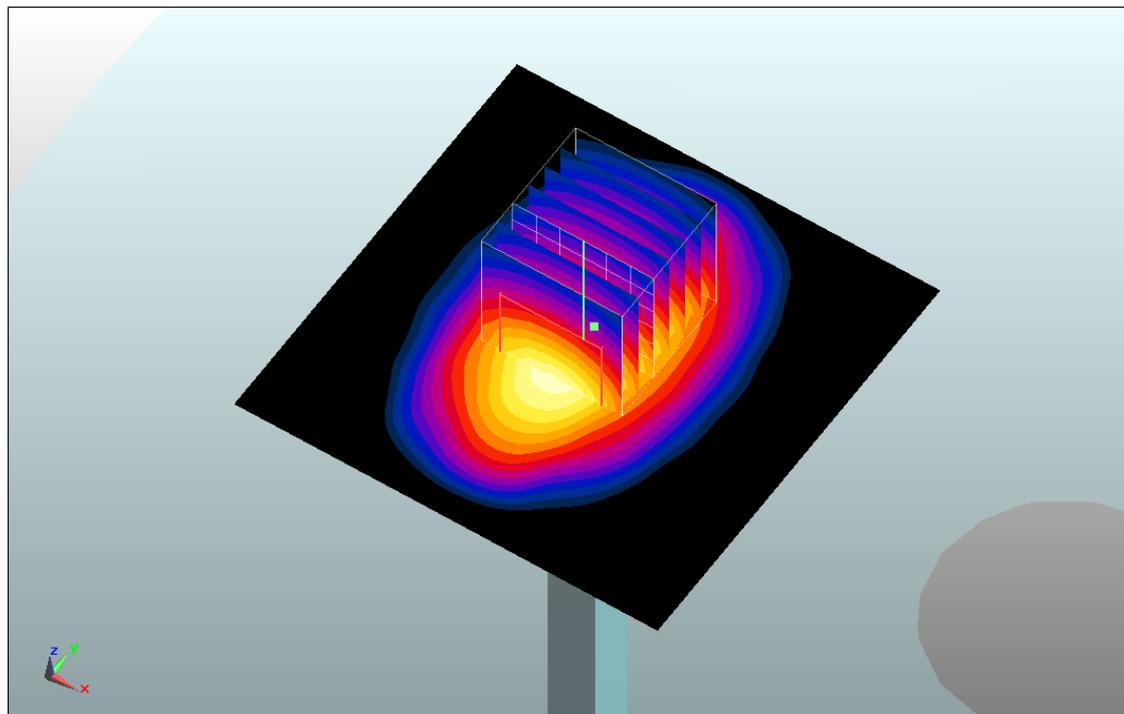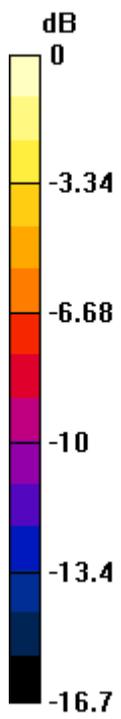Maximum value of SAR (interpolated) = 11.4 mW/g

Pin=250mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 92.3 V/m; Power Drift = 0.035 dB
Peak SAR (extrapolated) = 14.5 W/kg
SAR(1 g) = 9.72 mW/g; SAR(10 g) = 5.37 mW/g
Maximum value of SAR (measured) = 11.1 mW/g

0 dB = 11.1mW/g

System Check_Head_1900MHz_110509

DUT: Dipole 1900 MHz

Communication System: CW; Frequency: 1900 MHz;Duty Cycle: 1:1
Medium: HSL_1900_110509 Medium parameters used: f = 1900 MHz; σ = 1.41 mho/m; ε_r = 39.6; ρ

= 1000 kg/m^3
Ambient Temperature：23.4 ℃；Liquid Temperature：21.4 ℃

DASY5 Configuration:
- Probe: ET3DV6 - SN1788; ConvF(5.03, 5.03, 5.03); Calibrated: 2010-9-21
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2010-11-18
- Phantom: SAM1; Type: SAM; Serial: TP-1479
- Measurement SW: DASY5, V5.2 Build 157; SEMCAD X Version 14.0 Build 59

Pin=250mW/Area Scan (61x61x1): Measurement grid: dx=15mm, dy=15mm
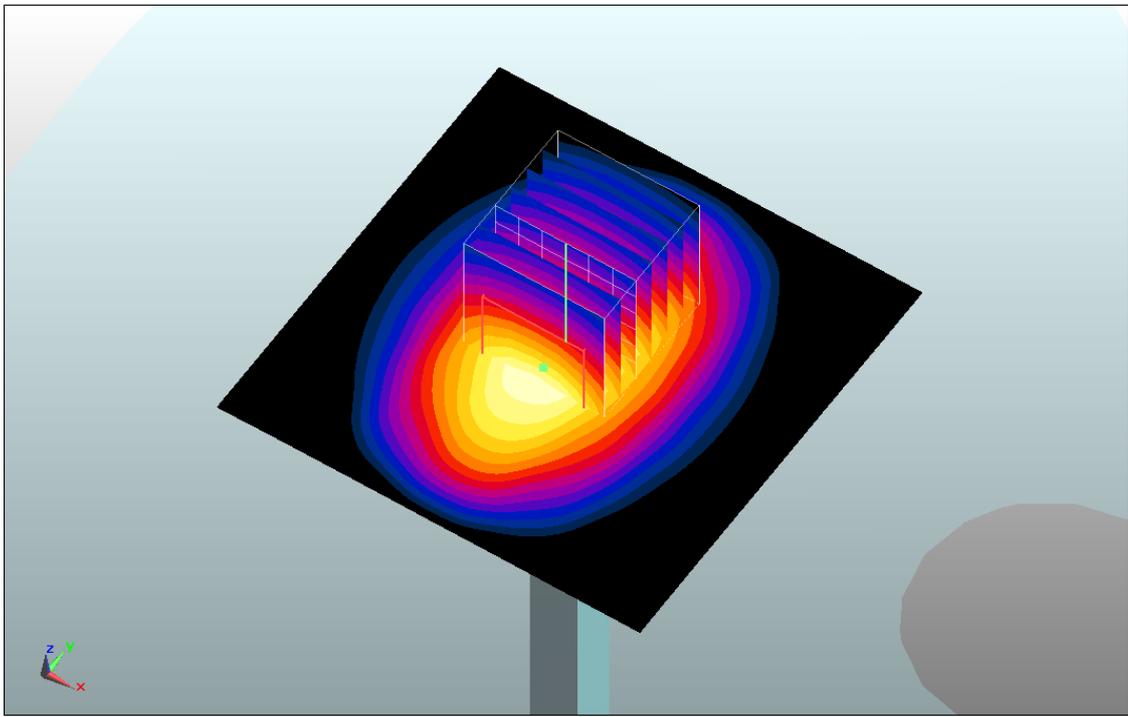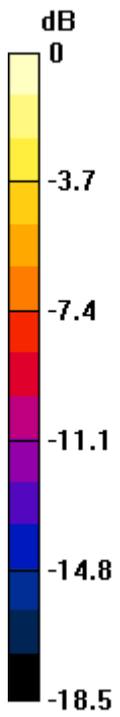Maximum value of SAR (interpolated) = 11.8 mW/g

Pin=250mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 95.2 V/m; Power Drift = -0.0031 dB
Peak SAR (extrapolated) = 17.2 W/kg
SAR(1 g) = 9.99 mW/g; SAR(10 g) = 5.29 mW/g
Maximum value of SAR (measured) = 11.3 mW/g

0 dB = 11.3mW/g

System Check_Body_1900MHz_110511

DUT: Dipole 1900 MHz

Communication System: CW; Frequency: 1900 MHz;Duty Cycle: 1:1
Medium: MSL_1900_110511 Medium parameters used: f = 1900 MHz; σ = 1.53 mho/m; ε_r = 52.4;

ρ = 1000 kg/m^3
Ambient Temperature：23.2 ℃；Liquid Temperature：21.4 ℃

DASY5 Configuration:
- Probe: ET3DV6 - SN1788; ConvF(4.39, 4.39, 4.39); Calibrated: 2010-9-21
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2010-11-18
- Phantom: SAM3; Type: SAM; Serial: TP-1477
- Measurement SW: DASY5, V5.2 Build 157; SEMCAD X Version 14.0 Build 59

Pin=250mW/Area Scan (61x61x1): Measurement grid: dx=15mm, dy=15mm
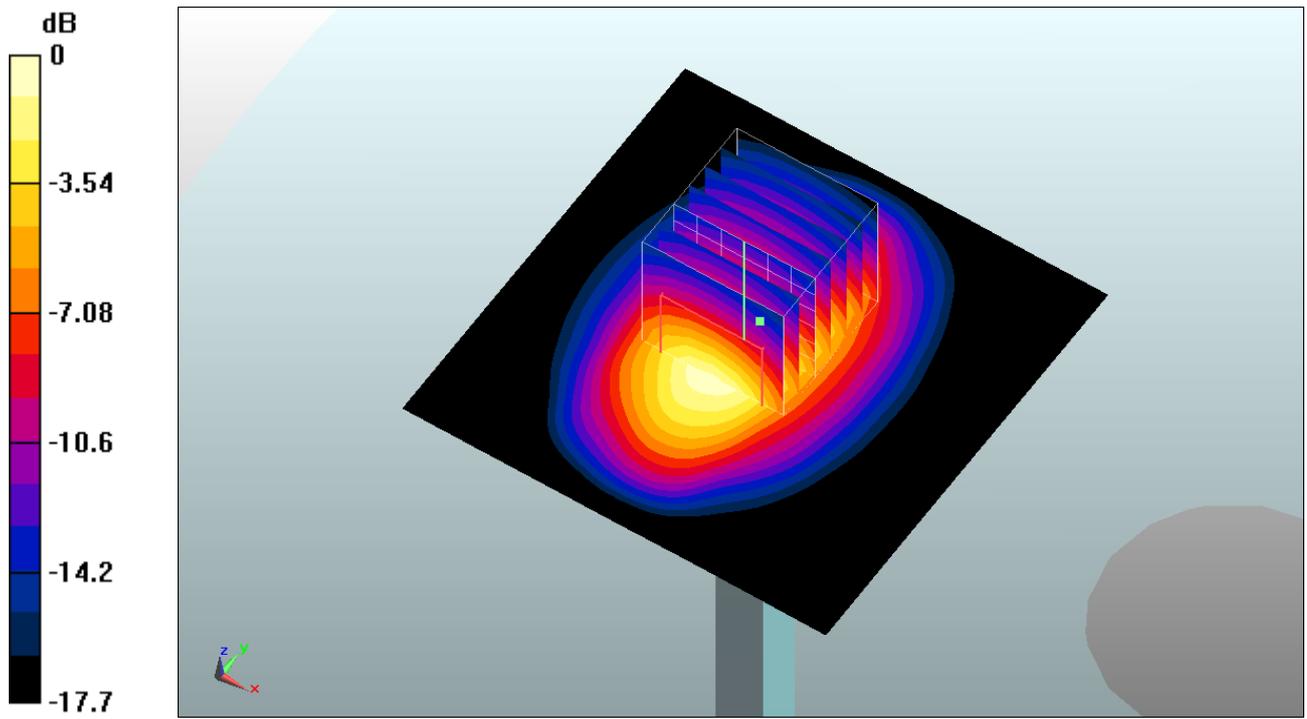Maximum value of SAR (interpolated) = 12.8 mW/g

Pin=250mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 94.7 V/m; Power Drift = 0.042 dB
Peak SAR (extrapolated) = 16.7 W/kg
SAR(1 g) = 10.8 mW/g; SAR(10 g) = 5.8 mW/g
Maximum value of SAR (measured) = 12.4 mW/g

0 dB = 12.4mW/g