Appendix A.   Plots of System Performance Check

The plots are shown as follows.

SPORTON INTERNATIONAL (KUNSHAN) INC.
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FCC ID : IHDT56NW2

Page Number   : A1 of A1
Report Issued Date : Jul. 16, 2012
Report Version   : Rev. 02

System Check_Head_835MHz_120705

DUT: D835V2 - SN: 4d091

Communication System: CW; Frequency: 835 MHz;Duty Cycle: 1:1
Medium: HSL_835_120705 Medium parameters used: f = 835 MHz; σ = 0.908 mho/m; ε_r = 41.635;

ρ = 1000 kg/m^3
Ambient Temperature：23.7 ℃；Liquid Temperature：21.6 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3697; ConvF(8.45, 8.45, 8.45); Calibrated: 2011-9-2
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18
- Phantom: SAM1; Type: SAM; Serial: TP-1479
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

Pin=250mW/Area Scan (61x61x1): Measurement grid: dx=15mm, dy=15mm
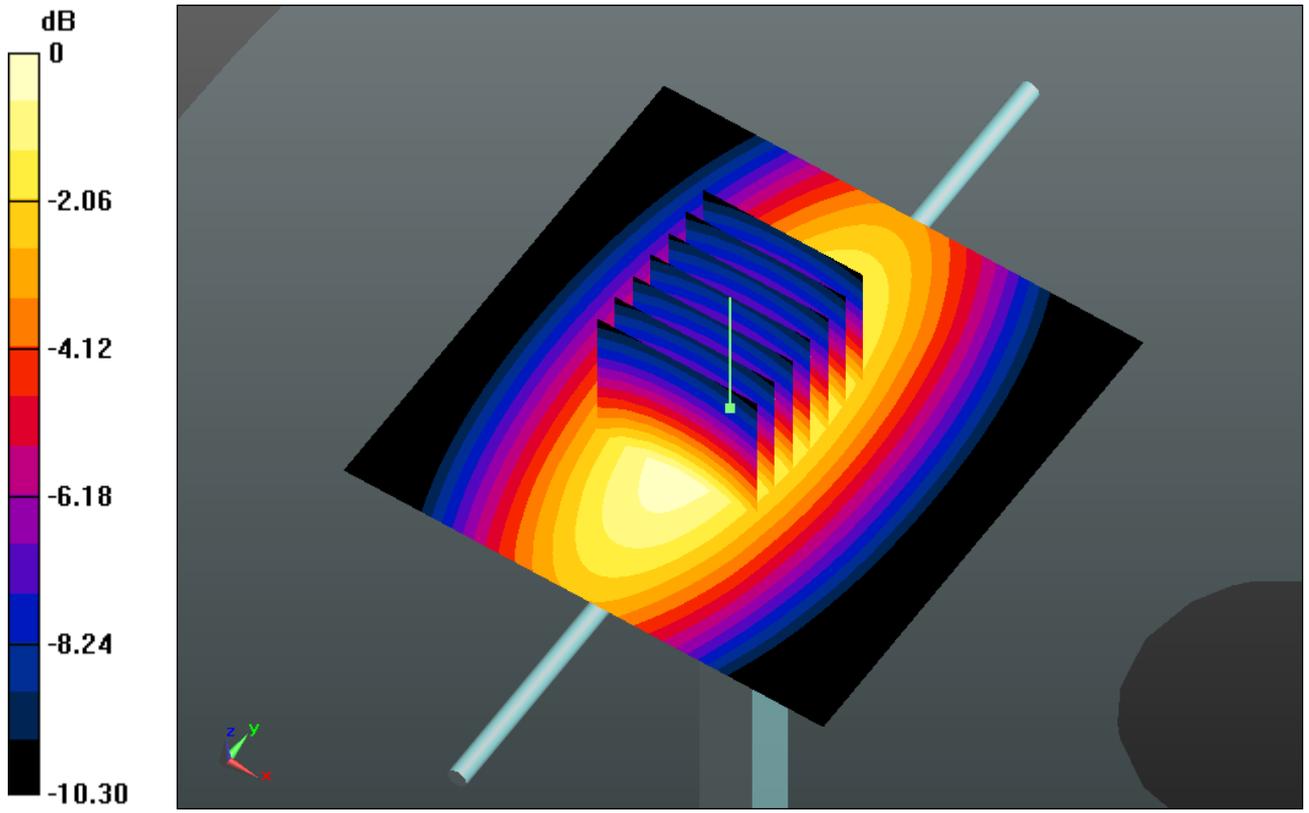Maximum value of SAR (interpolated) = 2.460 mW/g

Pin=250mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 52.086 V/m; Power Drift = -0.0026 dB
Peak SAR (extrapolated) = 3.426 W/kg
SAR(1 g) = 2.28 mW/g; SAR(10 g) = 1.5 mW/g
Maximum value of SAR (measured) = 2.460 mW/g

0 dB = 2.460mW/g

System Check_Head_1900MHz_120705

DUT: D1900V2 - SN: 5d118

Communication System: CW; Frequency: 1900 MHz;Duty Cycle: 1:1
Medium: HSL_1900_120705 Medium parameters used: f = 1900 MHz; σ = 1.415 mho/m; ε_r =

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

DASY5 Configuration:
- Probe: EX3DV4 - SN3697; ConvF(7.46, 7.46, 7.46); Calibrated: 2011-9-2
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18
- Phantom: SAM2; Type: SAM; Serial: TP-1477
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

Pin=250mW/Area Scan (91x91x1): Measurement grid: dx=10mm, dy=10mm
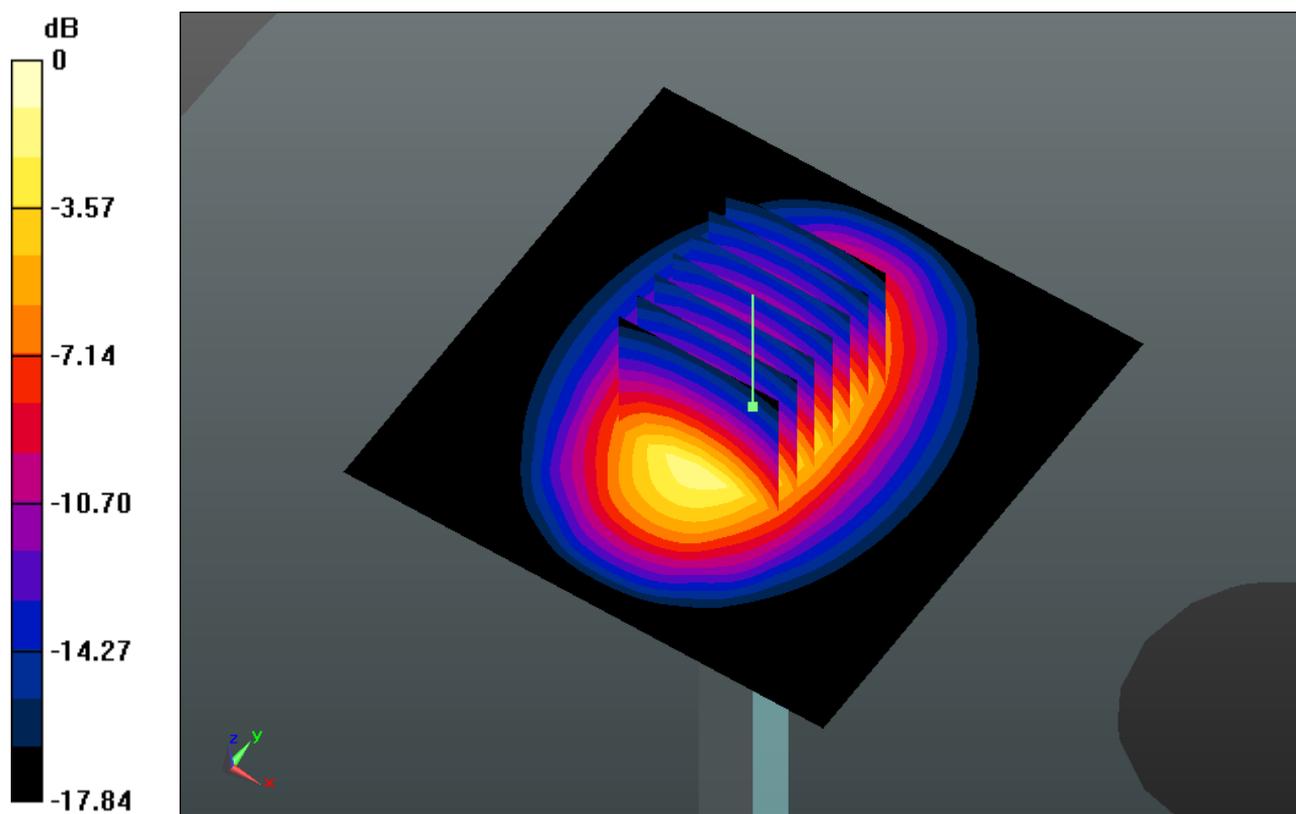Maximum value of SAR (interpolated) = 11.613 mW/g

Pin=250mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 90.362 V/m; Power Drift = -0.16 dB
Peak SAR (extrapolated) = 19.170 W/kg
SAR(1 g) = 10.1 mW/g; SAR(10 g) = 5.17 mW/g
Maximum value of SAR (measured) = 11.401 mW/g

0 dB = 11.400mW/g

System Check_Head_2450MHz_120715

DUT: D2450V2 - SN: 736

Communication System: CW; Frequency: 2450 MHz;Duty Cycle: 1:1
Medium: HSL_2450_120715 Medium parameters used: f = 2450 MHz; σ = 1.834 mho/m; ε_r =

39.654; ρ = 1000 kg/m^3
Ambient Temperature：23.6 ℃；Liquid Temperature：21.6 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3697; ConvF(6.67, 6.67, 6.67); Calibrated: 2011-9-2
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18
- Phantom: SAM1; Type: SAM; Serial: TP-1477
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

Pin=250mW/Area Scan (61x61x1): Measurement grid: dx=15mm, dy=15mm
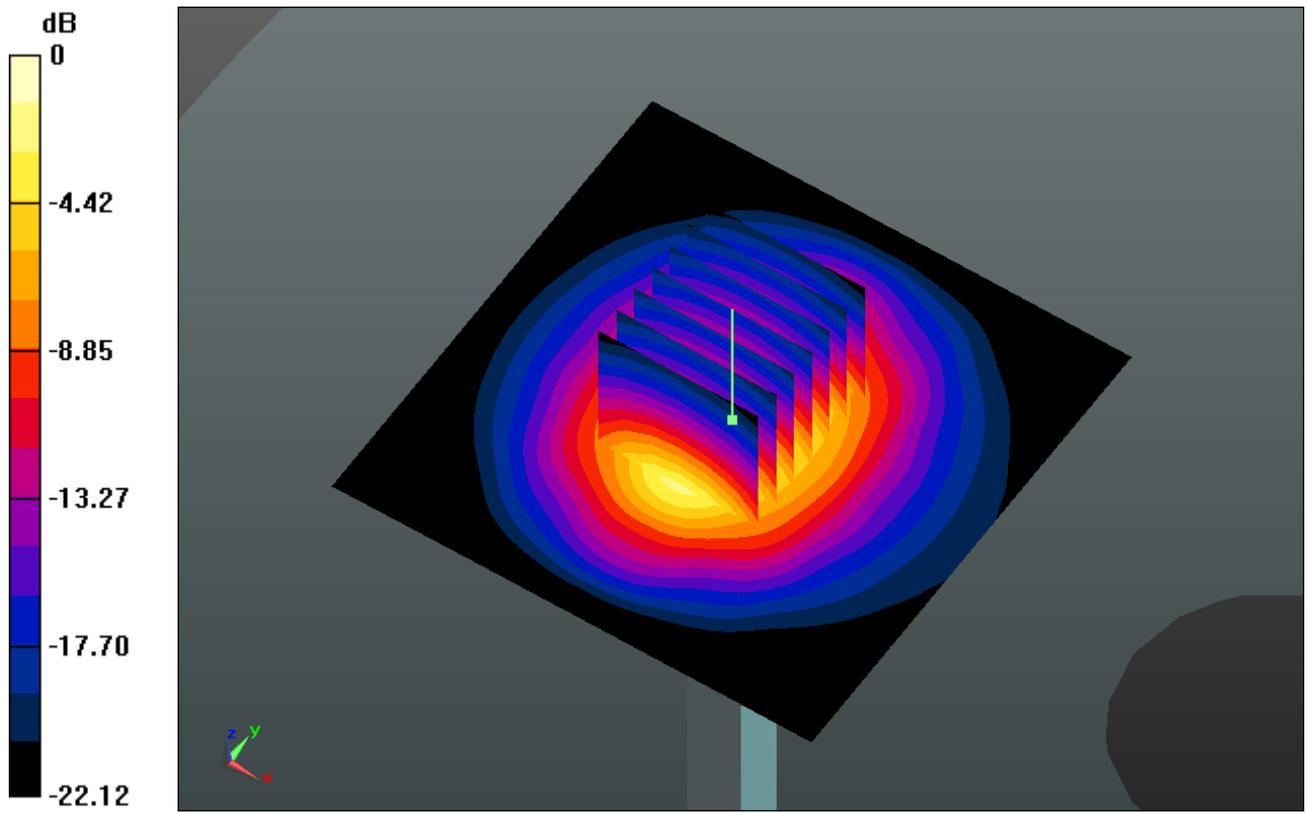Maximum value of SAR (interpolated) = 14.875 mW/g

Pin=250mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 90.054 V/m; Power Drift = -0.05 dB
Peak SAR (extrapolated) = 28.300 W/kg
SAR(1 g) = 13.1 mW/g; SAR(10 g) = 5.97 mW/g
Maximum value of SAR (measured) = 14.817 mW/g

0 dB = 14.820mW/g

System Check_Body_835MHz_120709

DUT: D835V2 - SN: 4d091

Communication System: CW; Frequency: 835 MHz;Duty Cycle: 1:1
Medium: MSL_835_120709 Medium parameters used: f = 835 MHz; σ = 0.974 mho/m; $ε_r$ = 54.246;

ρ = 1000 kg/m^3
Ambient Temperature：23.1 ℃；Liquid Temperature：21.1 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3697; ConvF(8.67, 8.67, 8.67); Calibrated: 2011-9-2
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18
- Phantom: SAM2; Type: SAM; Serial: TP-1477
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

Pin=250mW/Area Scan (61x61x1): Measurement grid: dx=15mm, dy=15mm
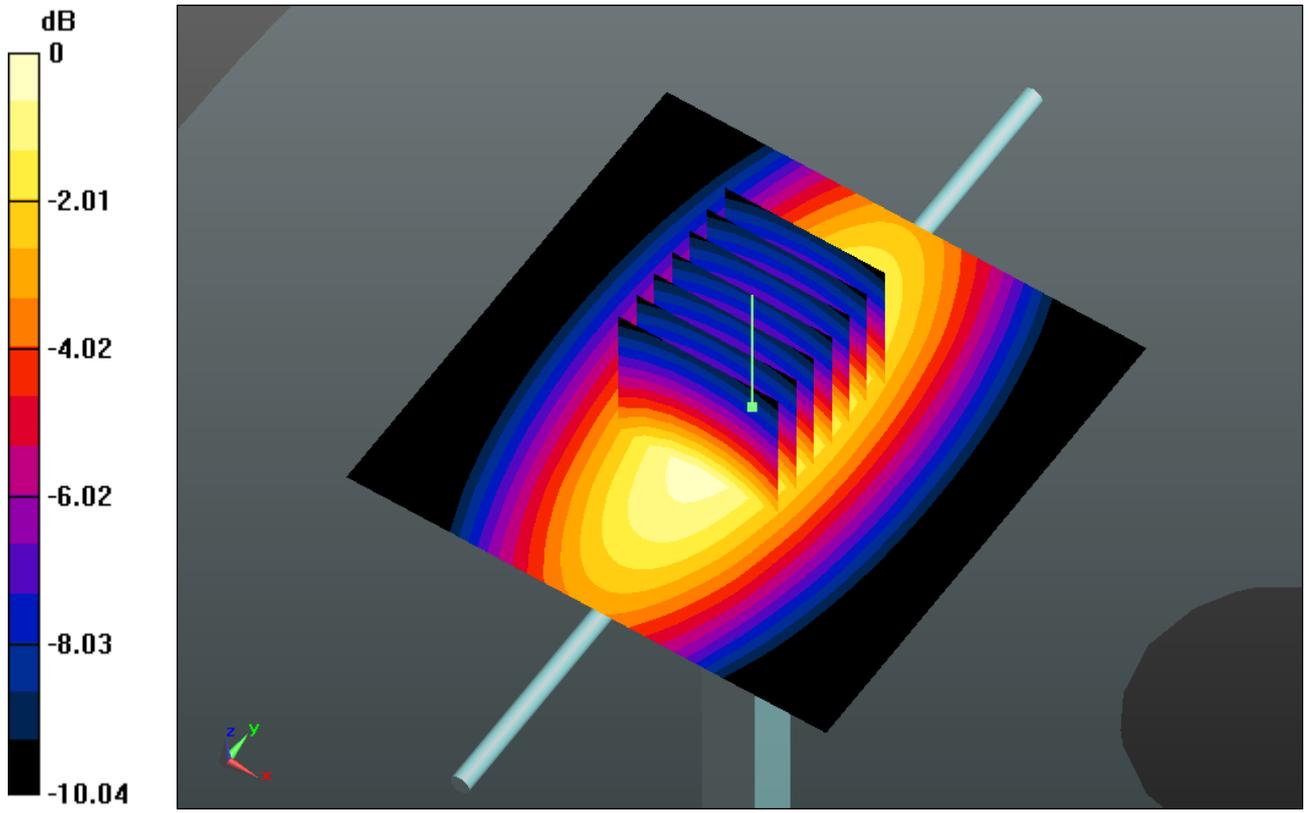Maximum value of SAR (interpolated) = 2.448 mW/g

Pin=250mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 50.209 V/m; Power Drift = -0.04 dB
Peak SAR (extrapolated) = 3.364 W/kg
SAR(1 g) = 2.27 mW/g; SAR(10 g) = 1.5 mW/g
Maximum value of SAR (measured) = 2.451 mW/g

0 dB = 2.450mW/g

System Check_Body_1900MHz_120709

DUT: D1900V2 - SN: 5d118

Communication System: CW; Frequency: 1900 MHz;Duty Cycle: 1:1
Medium: MSL_1900_120709 Medium parameters used: f = 1900 MHz; σ = 1.525 mho/m; ε_r =

54.504; ρ = 1000 kg/m^3
Ambient Temperature：23.5 ℃；Liquid Temperature：21.5 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3697; ConvF(6.96, 6.96, 6.96); Calibrated: 2011-9-2
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18
- Phantom: SAM1; Type: SAM; Serial: TP-1479
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

Pin=250mW/Area Scan (91x91x1): Measurement grid: dx=10mm, dy=10mm
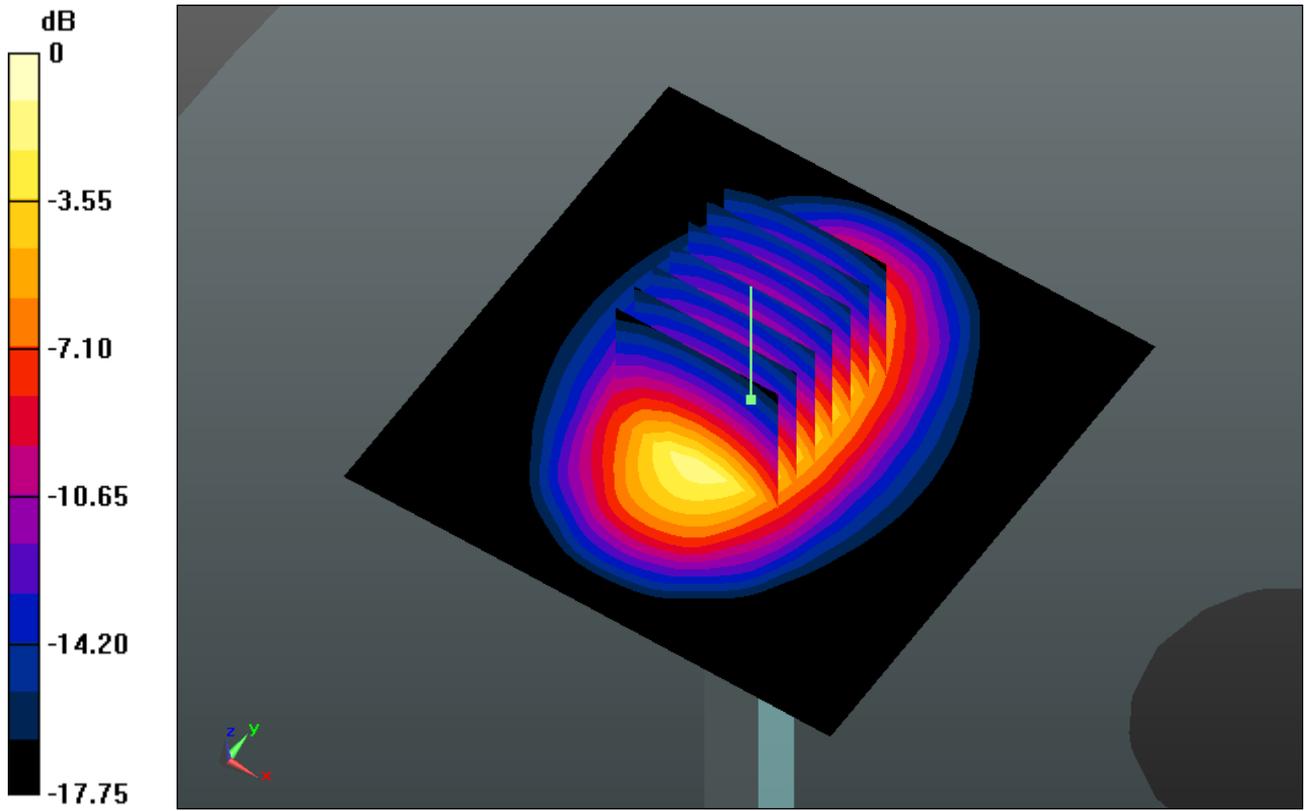Maximum value of SAR (interpolated) = 12.068 mW/g

Pin=250mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 87.622 V/m; Power Drift = 0.05 dB
Peak SAR (extrapolated) = 19.835 W/kg
SAR(1 g) = 10.5 mW/g; SAR(10 g) = 5.36 mW/g
Maximum value of SAR (measured) = 11.879 mW/g

0 dB = 11.880mW/g

System Check_Body_2450MHz_120715

DUT: D2450V2 - SN: 736

Communication System: CW; Frequency: 2450 MHz;Duty Cycle: 1:1
Medium: MSL_2450_120715 Medium parameters used: f = 2450 MHz; σ = 1.976 mho/m; ε_r =

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

DASY5 Configuration:
- Probe: EX3DV4 - SN3697; ConvF(6.73, 6.73, 6.73); Calibrated: 2011-9-2
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18
- Phantom: SAM2; Type: SAM; Serial: TP-1479
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

Pin=250mW/Area Scan (61x61x1): Measurement grid: dx=15mm, dy=15mm
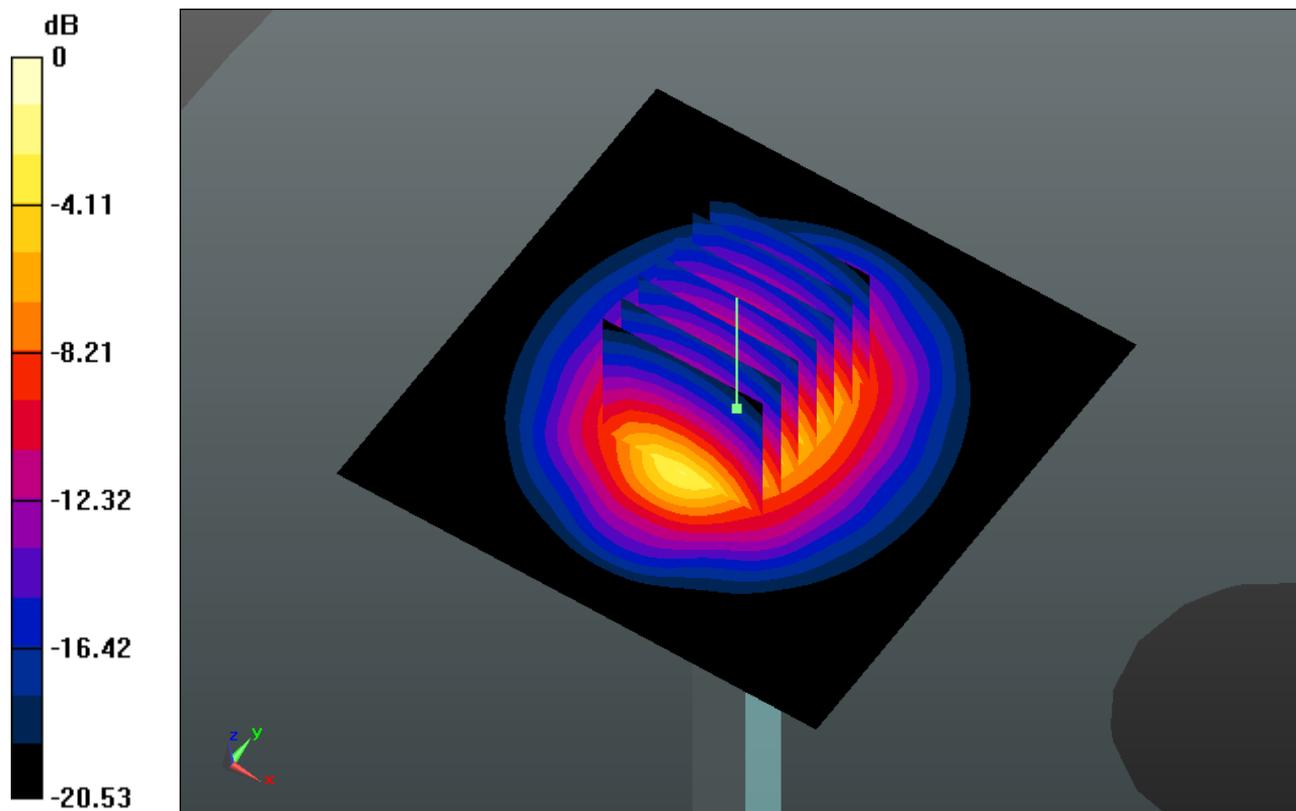Maximum value of SAR (interpolated) = 14.478 mW/g

Pin=250mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 85.401 V/m; Power Drift = -0.01 dB
Peak SAR (extrapolated) = 25.073 W/kg
SAR(1 g) = 12.6 mW/g; SAR(10 g) = 5.89 mW/g
Maximum value of SAR (measured) = 14.492 mW/g

0 dB = 14.490mW/g

Appendix B.   Plots of SAR Measurement

The plots are shown as follows.

#01 GSM850_GSM_Right Cheek_Ch189

DUT: 251803

Communication System: General GSM; Frequency: 836.4 MHz;Duty Cycle: 1:8.3
Medium: HSL_835_120705 Medium parameters used: f = 836.4 MHz; σ = 0.909 mho/m; ε_r = 41.62;

ρ = 1000 kg/m^3
Ambient Temperature：23.7 ℃；Liquid Temperature：21.6 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3697; ConvF(8.45, 8.45, 8.45); Calibrated: 2011-9-2
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18
- Phantom: SAM1; Type: SAM; Serial: TP-1479
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

Ch189/Area Scan (61x91x1): Measurement grid: dx=15mm, dy=15mm
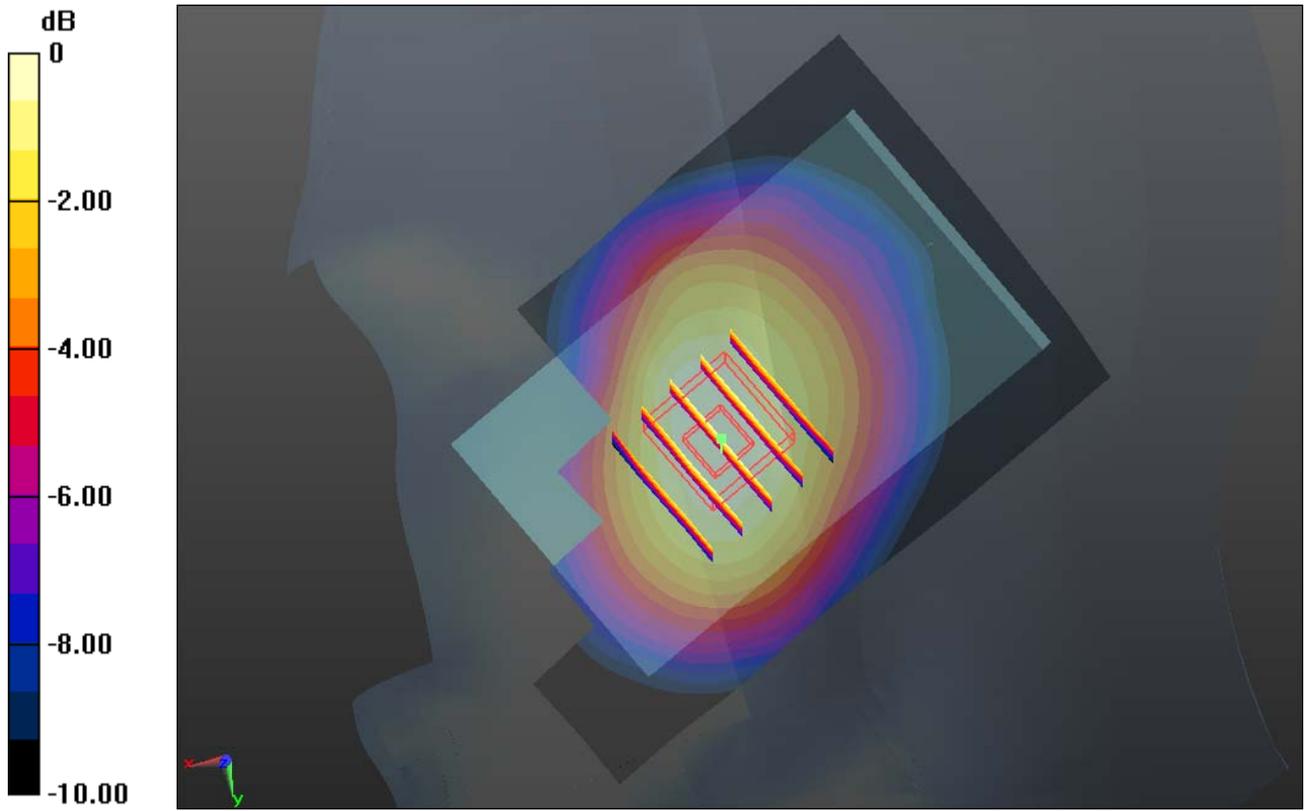Maximum value of SAR (interpolated) = 0.658 mW/g

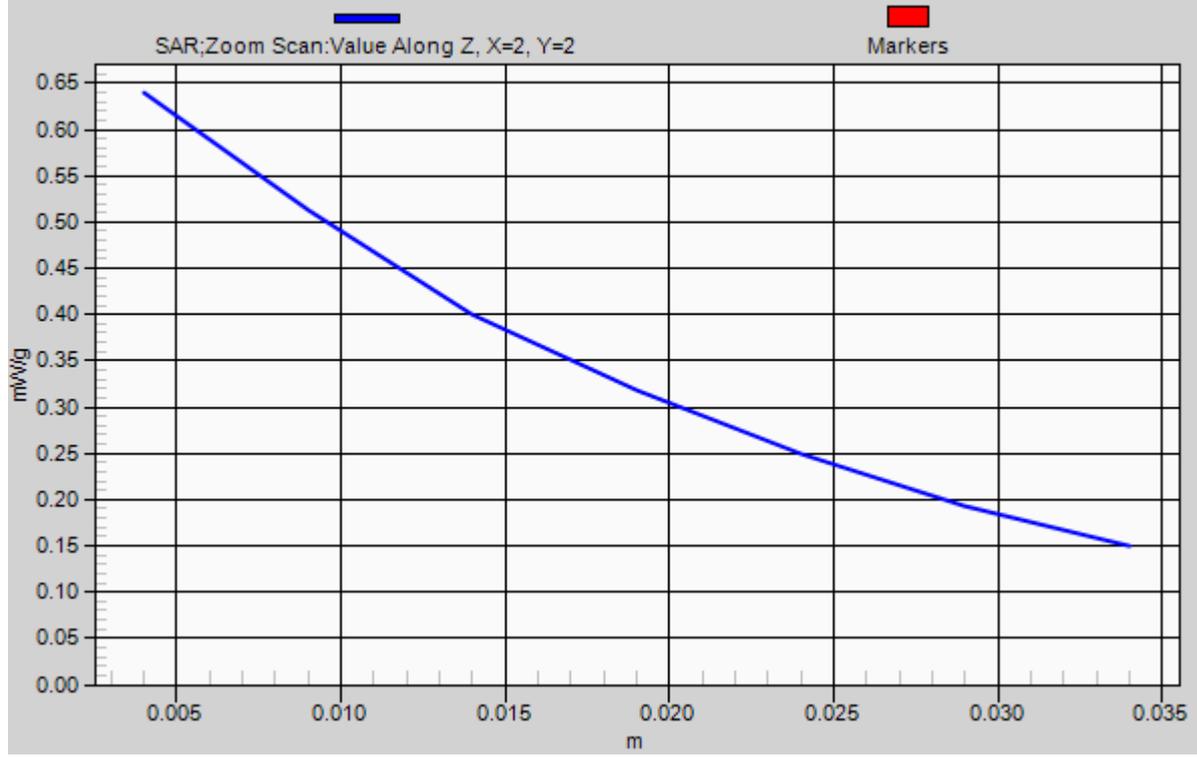**Ch189/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 9.825 V/m; Power Drift = 0.19 dB
Peak SAR (extrapolated) = 0.766 W/kg
SAR(1 g) = 0.603 mW/g; SAR(10 g) = 0.443 mW/g
Maximum value of SAR (measured) = 0.639 mW/g

0 dB = 0.640mW/g

#01 GSM850_GSM_Right Cheek_Ch189_2D

DUT: 251803

Communication System: General GSM; Frequency: 836.4 MHz;Duty Cycle: 1:8.3
Medium: HSL_835_120705 Medium parameters used: f = 836.4 MHz; σ = 0.909 mho/m; ε_r = 41.62;

ρ = 1000 kg/m^3
Ambient Temperature：23.7 ℃；Liquid Temperature：21.6 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3697; ConvF(8.45, 8.45, 8.45); Calibrated: 2011-9-2
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18
- Phantom: SAM1; Type: SAM; Serial: TP-1479
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

Ch189/Area Scan (61x91x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.658 mW/g

Ch189/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 9.825 V/m; Power Drift = 0.19 dB
Peak SAR (extrapolated) = 0.766 W/kg
SAR(1 g) = 0.603 mW/g; SAR(10 g) = 0.443 mW/g
Maximum value of SAR (measured) = 0.639 mW/g

#02 GSM850_GSM_Right Tilted_Ch189

DUT: 251803

Communication System: General GSM; Frequency: 836.4 MHz;Duty Cycle: 1:8.3
Medium: HSL_835_120705 Medium parameters used: f = 836.4 MHz; σ = 0.909 mho/m; ε_r = 41.62;

ρ = 1000 kg/m^3
Ambient Temperature：23.7 ℃；Liquid Temperature：21.6 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3697; ConvF(8.45, 8.45, 8.45); Calibrated: 2011-9-2
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18
- Phantom: SAM1; Type: SAM; Serial: TP-1479
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

Ch189/Area Scan (61x91x1): Measurement grid: dx=15mm, dy=15mm
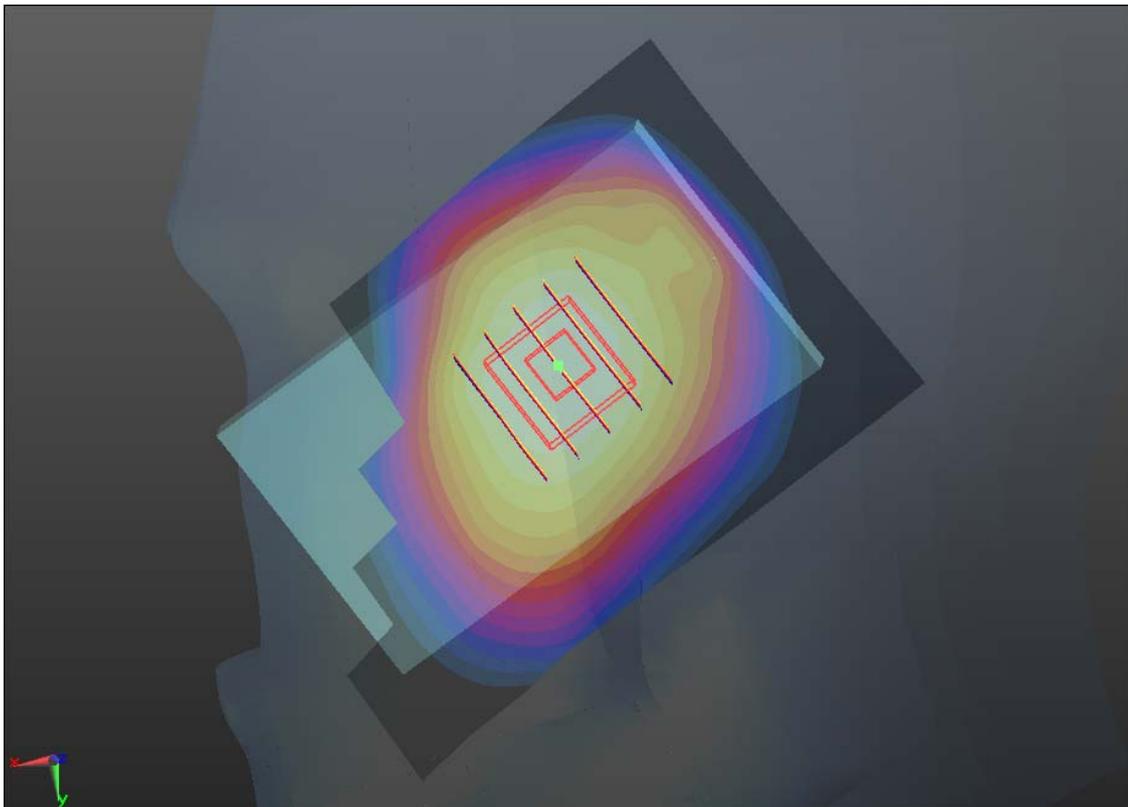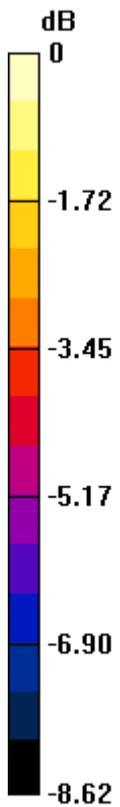Maximum value of SAR (interpolated) = 0.393 mW/g

Ch189/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 14.014 V/m; Power Drift = -0.09 dB
Peak SAR (extrapolated) = 0.464 W/kg
SAR(1 g) = 0.373 mW/g; SAR(10 g) = 0.284 mW/g
Maximum value of SAR (measured) = 0.389 mW/g

0 dB = 0.390mW/g

#03 GSM850_GSM_Left Cheek_Ch189

DUT: 251803

Communication System: General GSM; Frequency: 836.4 MHz;Duty Cycle: 1:8.3
Medium: HSL_835_120705 Medium parameters used: f = 836.4 MHz; σ = 0.909 mho/m; ε_r = 41.62;

ρ = 1000 kg/m^3
Ambient Temperature：23.7 ℃；Liquid Temperature：21.6 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3697; ConvF(8.45, 8.45, 8.45); Calibrated: 2011-9-2
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18
- Phantom: SAM2; Type: SAM; Serial: TP-1477
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

Ch189/Area Scan (61x91x1): Measurement grid: dx=15mm, dy=15mm
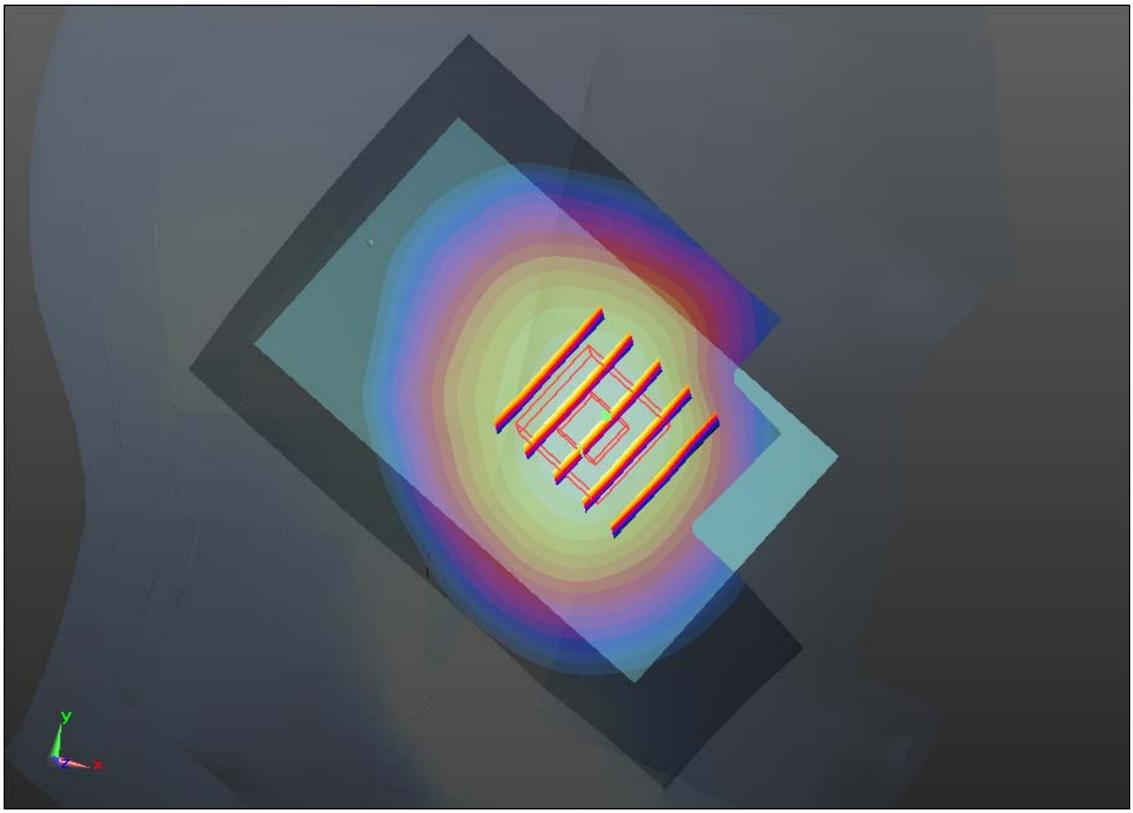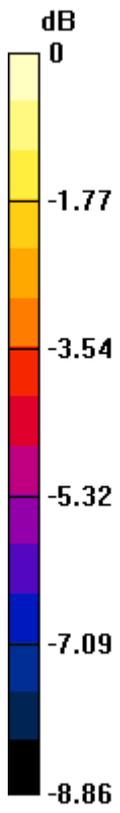Maximum value of SAR (interpolated) = 0.613 mW/g

Ch189/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 9.443 V/m; Power Drift = 0.16 dB
Peak SAR (extrapolated) = 0.714 W/kg
SAR(1 g) = 0.578 mW/g; SAR(10 g) = 0.433 mW/g
Maximum value of SAR (measured) = 0.602 mW/g

0 dB = 0.600mW/g

#04 GSM850_GSM_Left Tilted_Ch189

DUT: 251803

Communication System: General GSM; Frequency: 836.4 MHz;Duty Cycle: 1:8.3
Medium: HSL_835_120705 Medium parameters used: f = 836.4 MHz; σ = 0.909 mho/m; ε_r = 41.62;

ρ = 1000 kg/m^3
Ambient Temperature：23.7 ℃；Liquid Temperature：21.6 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3697; ConvF(8.45, 8.45, 8.45); Calibrated: 2011-9-2
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18
- Phantom: SAM2; Type: SAM; Serial: TP-1477
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

Ch189/Area Scan (61x91x1): Measurement grid: dx=15mm, dy=15mm
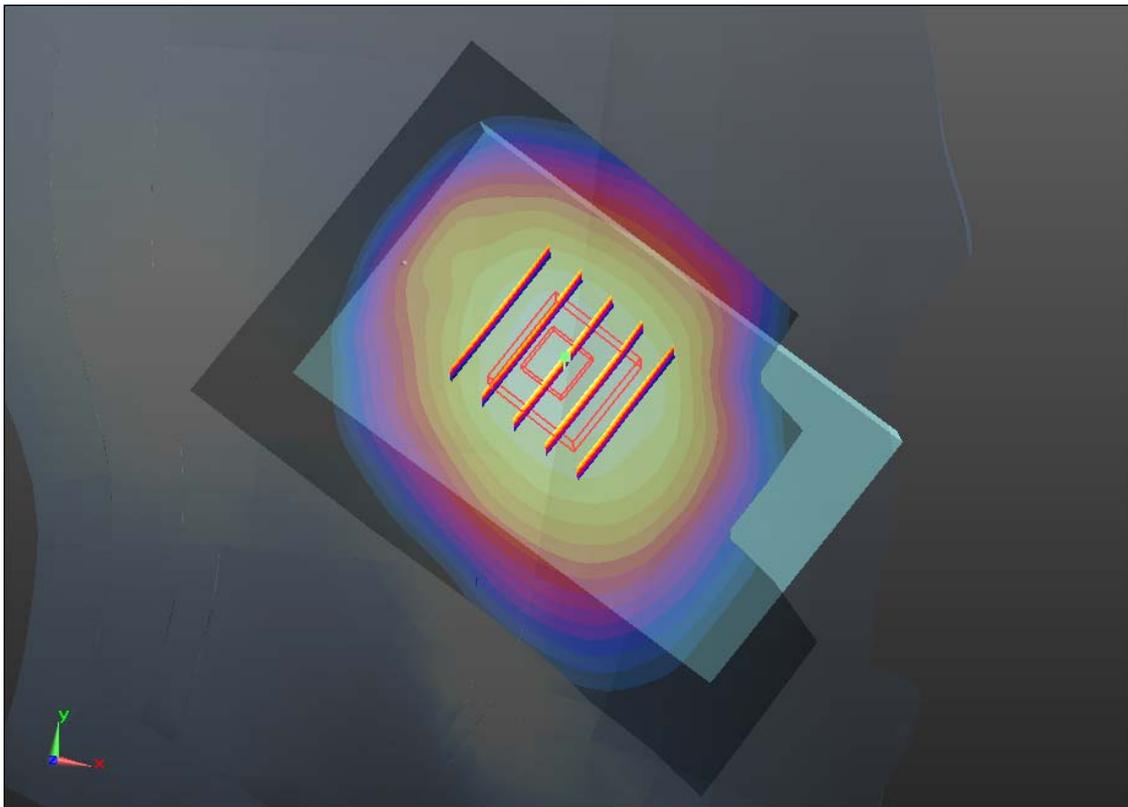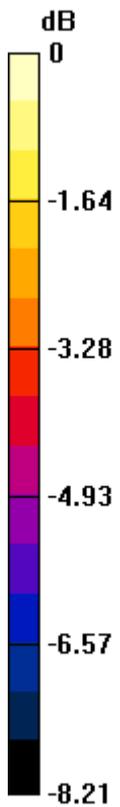Maximum value of SAR (interpolated) = 0.396 mW/g

Ch189/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 14.021 V/m; Power Drift = -0.03 dB
Peak SAR (extrapolated) = 0.473 W/kg
SAR(1 g) = 0.381 mW/g; SAR(10 g) = 0.290 mW/g
Maximum value of SAR (measured) = 0.397 mW/g

0 dB = 0.400mW/g

#05 GSM1900_GSM_Right Cheek_Ch512

DUT: 251803

Communication System: General GSM; Frequency: 1850.2 MHz;Duty Cycle: 1:8.3
Medium: HSL_1900_120705 Medium parameters used: f = 1850.2 MHz; σ = 1.369 mho/m; ε_r =

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

DASY5 Configuration:
- Probe: EX3DV4 - SN3697; ConvF(7.46, 7.46, 7.46); Calibrated: 2011-9-2
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18
- Phantom: SAM1; Type: SAM; Serial: TP-1479
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

Ch512/Area Scan (61x91x1): Measurement grid: dx=15mm, dy=15mm
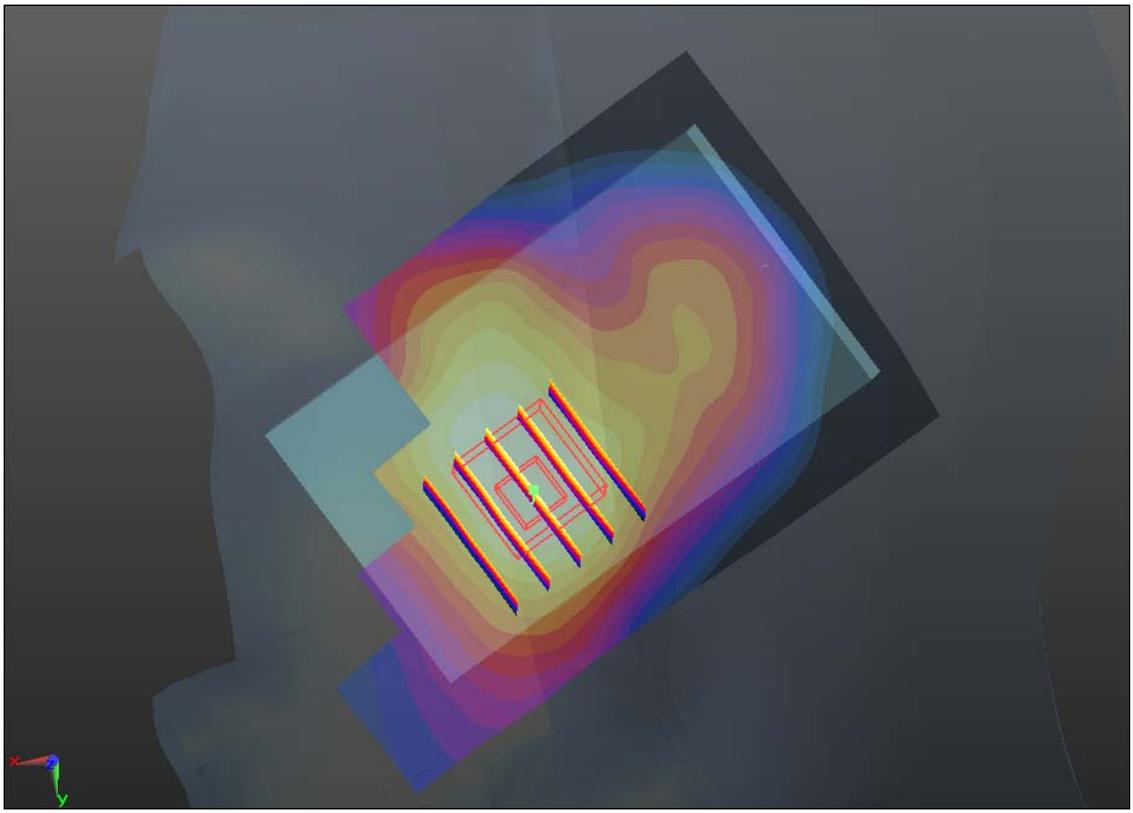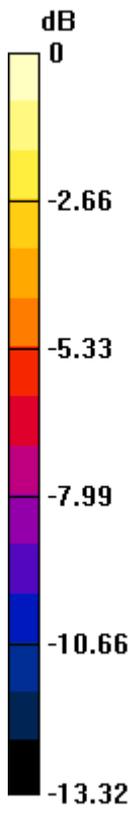Maximum value of SAR (interpolated) = 0.730 mW/g

Ch512/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 11.318 V/m; Power Drift = 0.04 dB
Peak SAR (extrapolated) = 0.905 W/kg
SAR(1 g) = 0.635 mW/g; SAR(10 g) = 0.416 mW/g
Maximum value of SAR (measured) = 0.670 mW/g

0 dB = 0.670mW/g

#06 GSM1900_GSM_Right Tilted_Ch512

DUT: 251803

Communication System: General GSM; Frequency: 1850.2 MHz;Duty Cycle: 1:8.3
Medium: HSL_1900_120705 Medium parameters used: f = 1850.2 MHz; σ = 1.369 mho/m; ε_r =

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

DASY5 Configuration:
- Probe: EX3DV4 - SN3697; ConvF(7.46, 7.46, 7.46); Calibrated: 2011-9-2
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18
- Phantom: SAM1; Type: SAM; Serial: TP-1479
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

Ch512/Area Scan (61x91x1): Measurement grid: dx=15mm, dy=15mm
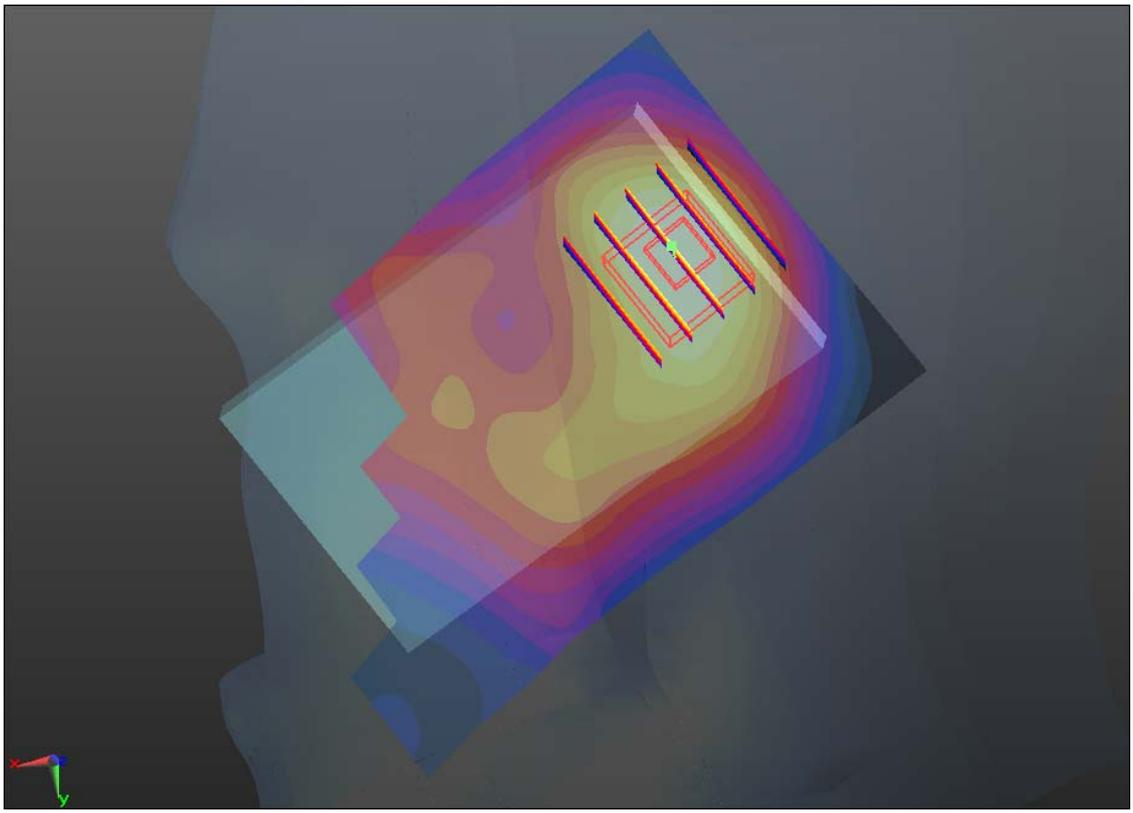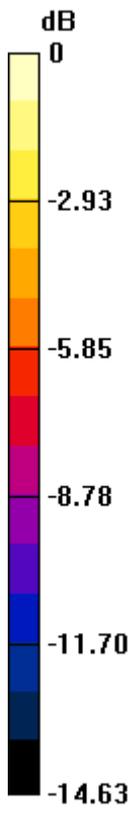Maximum value of SAR (interpolated) = 0.509 mW/g

Ch512/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 17.460 V/m; Power Drift = -0.00059 dB
Peak SAR (extrapolated) = 0.698 W/kg
SAR(1 g) = 0.447 mW/g; SAR(10 g) = 0.264 mW/g
Maximum value of SAR (measured) = 0.495 mW/g

0 dB = 0.490mW/g

#07 GSM1900_GSM_Left Cheek_Ch512

DUT: 251803

Communication System: General GSM; Frequency: 1850.2 MHz;Duty Cycle: 1:8.3
Medium: HSL_1900_120705 Medium parameters used: f = 1850.2 MHz; σ = 1.369 mho/m; ε_r = 40.694; ρ = 1000 kg/m^3
Ambient Temperature：23.4 ℃；Liquid Temperature：21.4 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3697; ConvF(7.46, 7.46, 7.46); Calibrated: 2011-9-2
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18
- Phantom: SAM1; Type: SAM; Serial: TP-1479
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

Ch512/Area Scan (61x91x1): Measurement grid: dx=15mm, dy=15mm
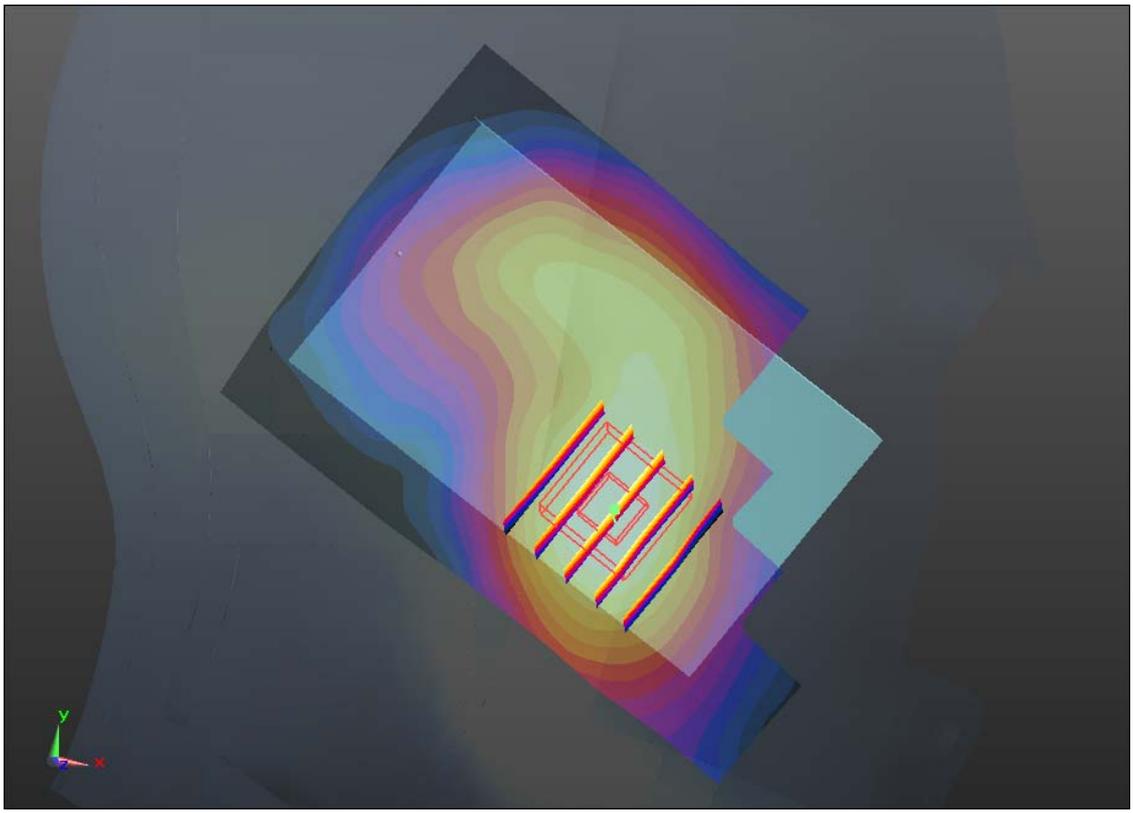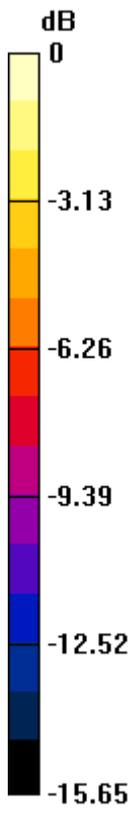Maximum value of SAR (interpolated) = 0.901 mW/g

Ch512/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 10.009 V/m; Power Drift = 0.09 dB
Peak SAR (extrapolated) = 1.083 W/kg
SAR(1 g) = 0.736 mW/g; SAR(10 g) = 0.459 mW/g
Maximum value of SAR (measured) = 0.802 mW/g

0 dB = 0.800mW/g

#07 GSM1900_GSM_Left Cheek_Ch512_2D

DUT: 251803

Communication System: General GSM; Frequency: 1850.2 MHz;Duty Cycle: 1:8.3
Medium: HSL_1900_120705 Medium parameters used: f = 1850.2 MHz; σ = 1.369 mho/m; ε_r =
40.694; ρ = 1000 kg/m^3
Ambient Temperature：23.4 ℃；Liquid Temperature：21.4 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3697; ConvF(7.46, 7.46, 7.46); Calibrated: 2011-9-2
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18
- Phantom: SAM1; Type: SAM; Serial: TP-1479
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

Ch512/Area Scan (61x91x1): Measurement grid: dx=15mm, dy=15mm
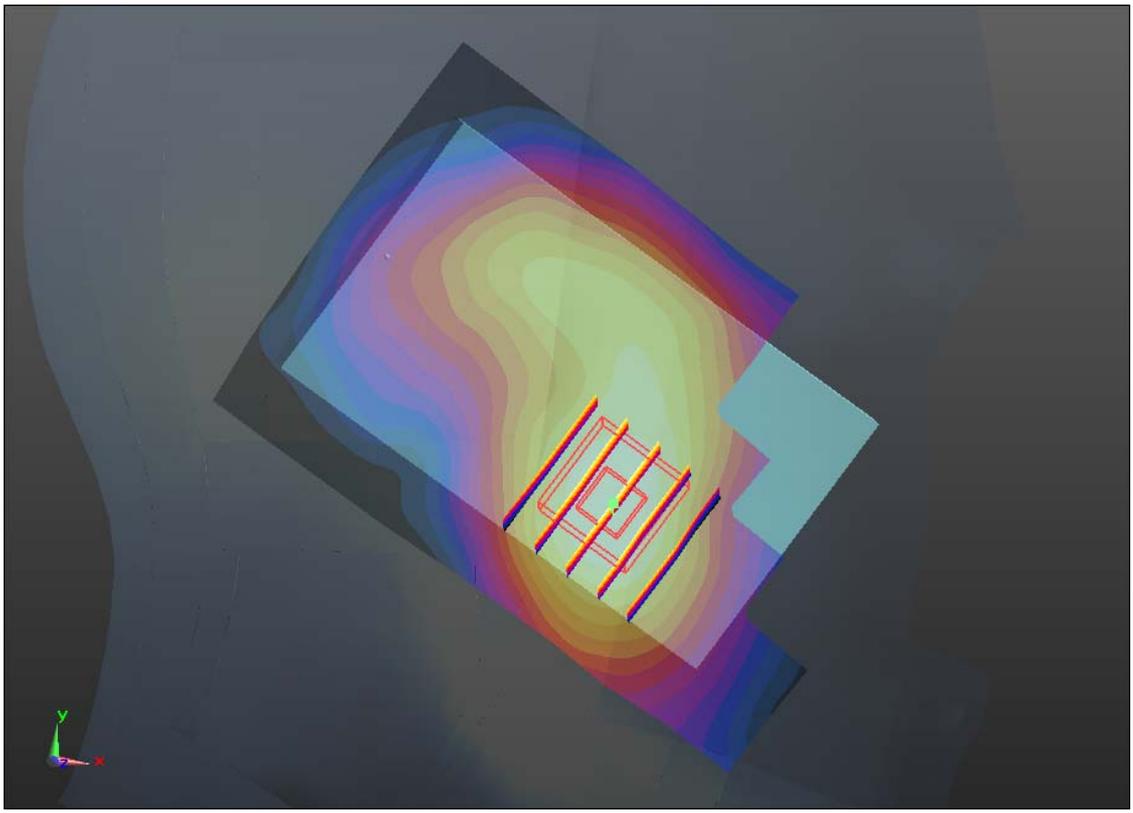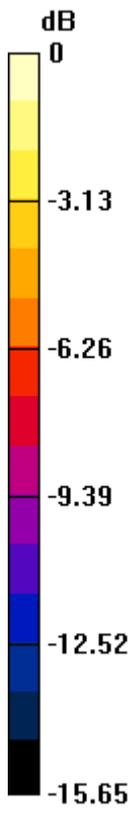Maximum value of SAR (interpolated) = 0.901 mW/g

Ch512/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 10.009 V/m; Power Drift = 0.09 dB
Peak SAR (extrapolated) = 1.083 W/kg
SAR(1 g) = 0.736 mW/g; SAR(10 g) = 0.459 mW/g
Maximum value of SAR (measured) = 0.802 mW/g

0 dB = 0.800mW/g

#08 GSM1900_GSM_Left Tilted_Ch512

DUT: 251803

Communication System: General GSM; Frequency: 1850.2 MHz;Duty Cycle: 1:8.3
Medium: HSL_1900_120705 Medium parameters used: f = 1850.2 MHz; σ = 1.369 mho/m; ε_r =
40.694; ρ = 1000 kg/m^3
Ambient Temperature：23.4 ℃；Liquid Temperature：21.4 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3697; ConvF(7.46, 7.46, 7.46); Calibrated: 2011-9-2
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18
- Phantom: SAM1; Type: SAM; Serial: TP-1479
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

Ch512/Area Scan (61x91x1): Measurement grid: dx=15mm, dy=15mm
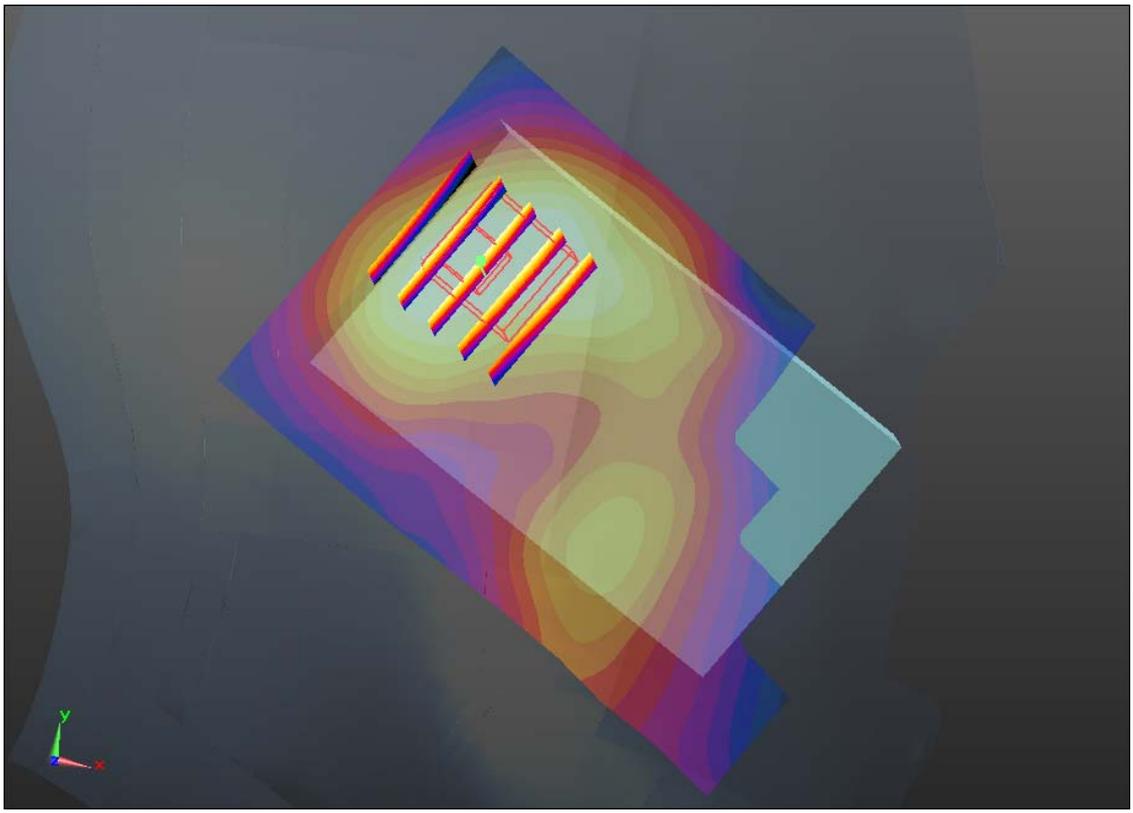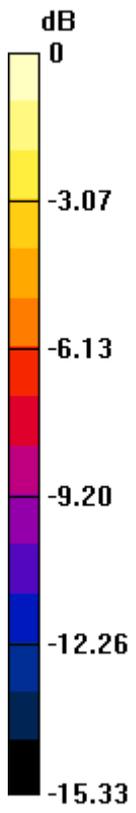Maximum value of SAR (interpolated) = 0.431 mW/g

Ch512/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 16.816 V/m; Power Drift = -0.09 dB
Peak SAR (extrapolated) = 0.591 W/kg
SAR(1 g) = 0.387 mW/g; SAR(10 g) = 0.247 mW/g
Maximum value of SAR (measured) = 0.411 mW/g

0 dB = 0.410mW/g

#09 802.11b_Right Cheek_Ch1

DUT: 251803

Communication System: WIFI; Frequency: 2412 MHz;Duty Cycle: 1:1
Medium: HSL_2450_120715 Medium parameters used: f = 2412 MHz; σ = 1.791 mho/m; ε_r = 39.777; ρ = 1000 kg/m^3
Ambient Temperature：23.6 ℃；Liquid Temperature：21.6 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3697; ConvF(6.67, 6.67, 6.67); Calibrated: 2011-9-2
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18
- Phantom: SAM1; Type: SAM; Serial: TP-1479
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

Ch1/Area Scan (61x91x1): Measurement grid: dx=15mm, dy=15mm
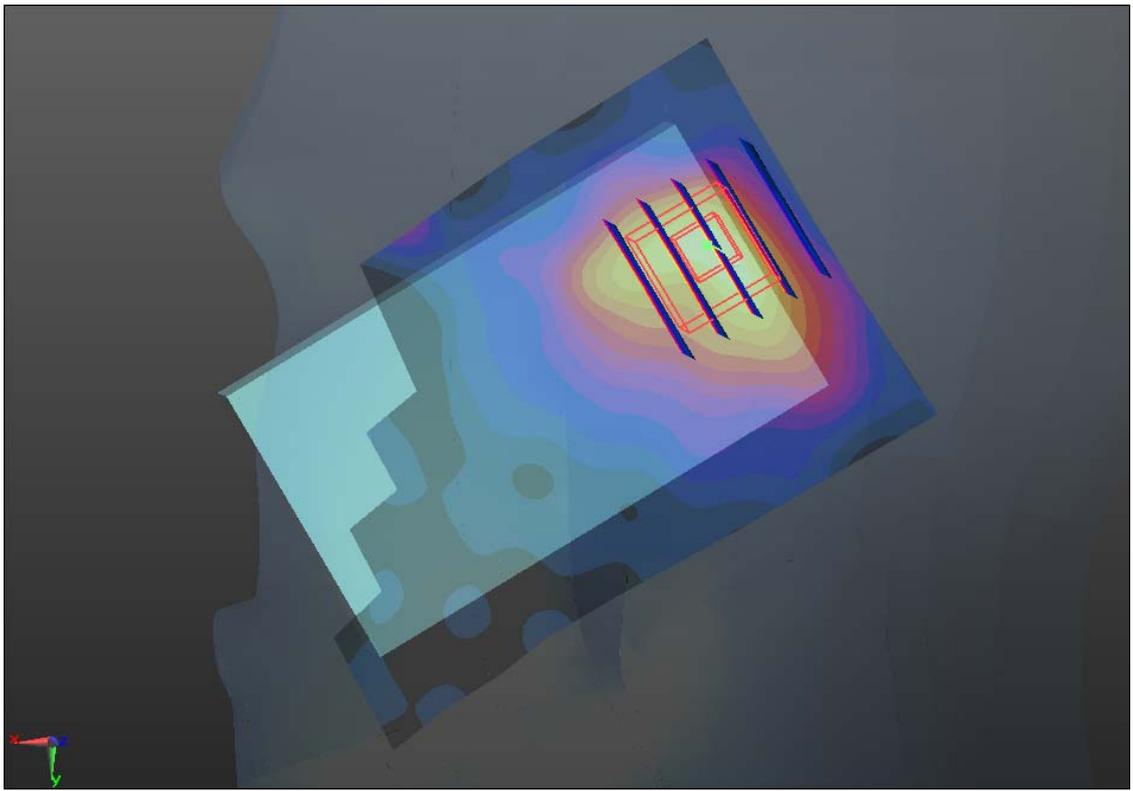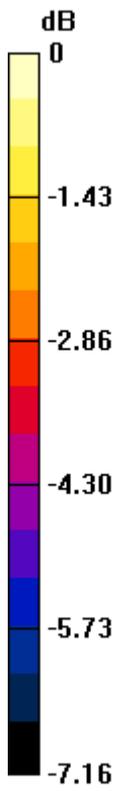Maximum value of SAR (interpolated) = 0.403 mW/g

Ch1/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 14.974 V/m; Power Drift = 0.02 dB
Peak SAR (extrapolated) = 0.800 W/kg
SAR(1 g) = 0.428 mW/g; SAR(10 g) = 0.255 mW/g
Maximum value of SAR (measured) = 0.462 mW/g

0 dB = 0.460mW/g

#10 802.11b_Right Tilted_Ch1

DUT: 251803

Communication System: WIFI; Frequency: 2412 MHz;Duty Cycle: 1:1
Medium: HSL_2450_120715 Medium parameters used: f = 2412 MHz; σ = 1.791 mho/m; ε_r = 39.777; ρ = 1000 kg/m^3
Ambient Temperature：23.6 ℃；Liquid Temperature：21.6 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3697; ConvF(6.67, 6.67, 6.67); Calibrated: 2011-9-2
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18
- Phantom: SAM1; Type: SAM; Serial: TP-1479
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

Ch1/Area Scan (61x91x1): Measurement grid: dx=15mm, dy=15mm
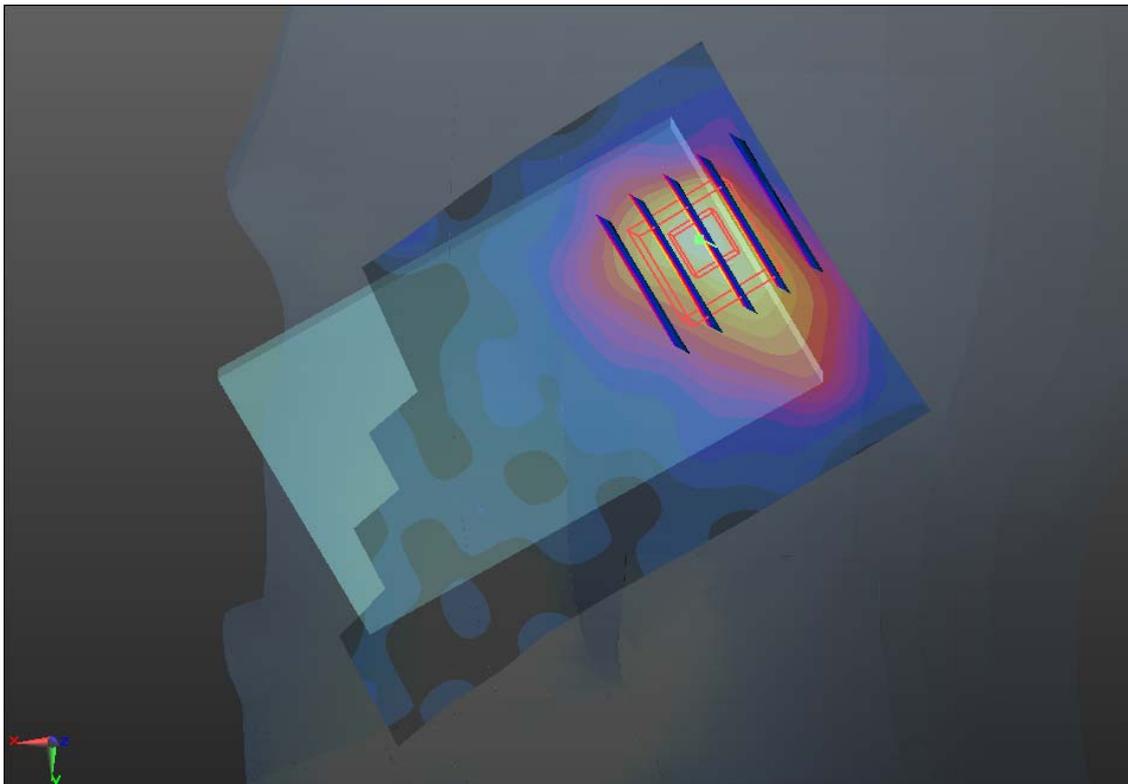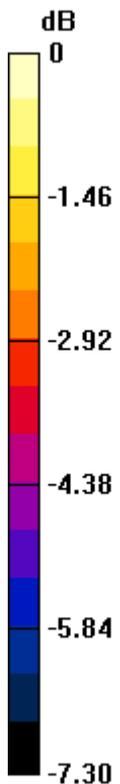Maximum value of SAR (interpolated) = 0.493 mW/g

Ch1/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 15.433 V/m; Power Drift = -0.06 dB
Peak SAR (extrapolated) = 0.791 W/kg
SAR(1 g) = 0.457 mW/g; SAR(10 g) = 0.274 mW/g
Maximum value of SAR (measured) = 0.495 mW/g

0 dB = 0.500mW/g

#10 802.11b_Right Tilted_Ch1_2D

DUT: 251803

Communication System: WIFI; Frequency: 2412 MHz;Duty Cycle: 1:1
Medium: HSL_2450_120715 Medium parameters used: f = 2412 MHz; σ = 1.791 mho/m; ε_r = 39.777; ρ = 1000 kg/m^3
Ambient Temperature：23.6 ℃；Liquid Temperature：21.6 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3697; ConvF(6.67, 6.67, 6.67); Calibrated: 2011-9-2
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18
- Phantom: SAM1; Type: SAM; Serial: TP-1479
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

Ch1/Area Scan (61x91x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.493 mW/g

Ch1/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
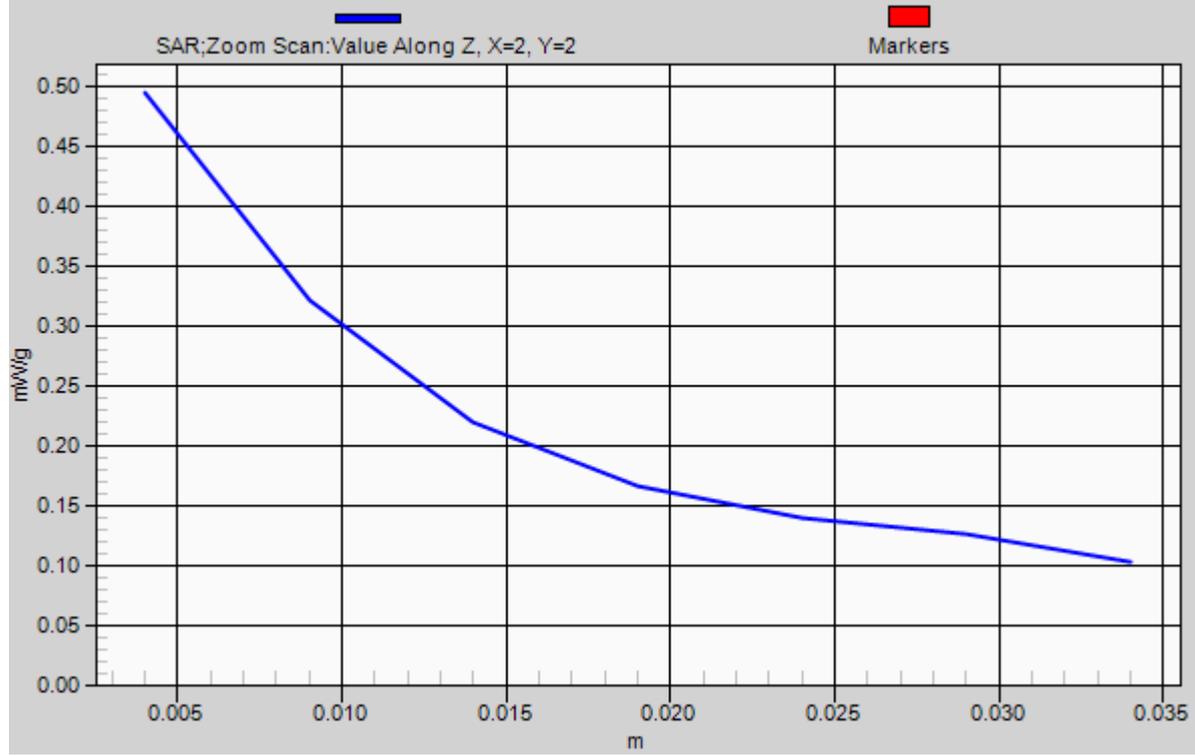Reference Value = 15.433 V/m; Power Drift = -0.06 dB
Peak SAR (extrapolated) = 0.791 W/kg
SAR(1 g) = 0.457 mW/g; SAR(10 g) = 0.274 mW/g
Maximum value of SAR (measured) = 0.495 mW/g

#11 802.11b_Left Cheek_Ch1

DUT: 251803

Communication System: WIFI; Frequency: 2412 MHz;Duty Cycle: 1:1
Medium: HSL_2450_120715 Medium parameters used: f = 2412 MHz; σ = 1.791 mho/m; ε_r = 39.777; ρ = 1000 kg/m^3
Ambient Temperature：23.6 ℃；Liquid Temperature：21.6 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3697; ConvF(6.67, 6.67, 6.67); Calibrated: 2011-9-2
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18
- Phantom: SAM1; Type: SAM; Serial: TP-1479
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

Ch1/Area Scan (61x91x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.498 mW/g

Ch1/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 13.717 V/m; Power Drift = -0.02 dB
Peak SAR (extrapolated) = 0.850 W/kg
SAR(1 g) = 0.450 mW/g; SAR(10 g) = 0.273 mW/g
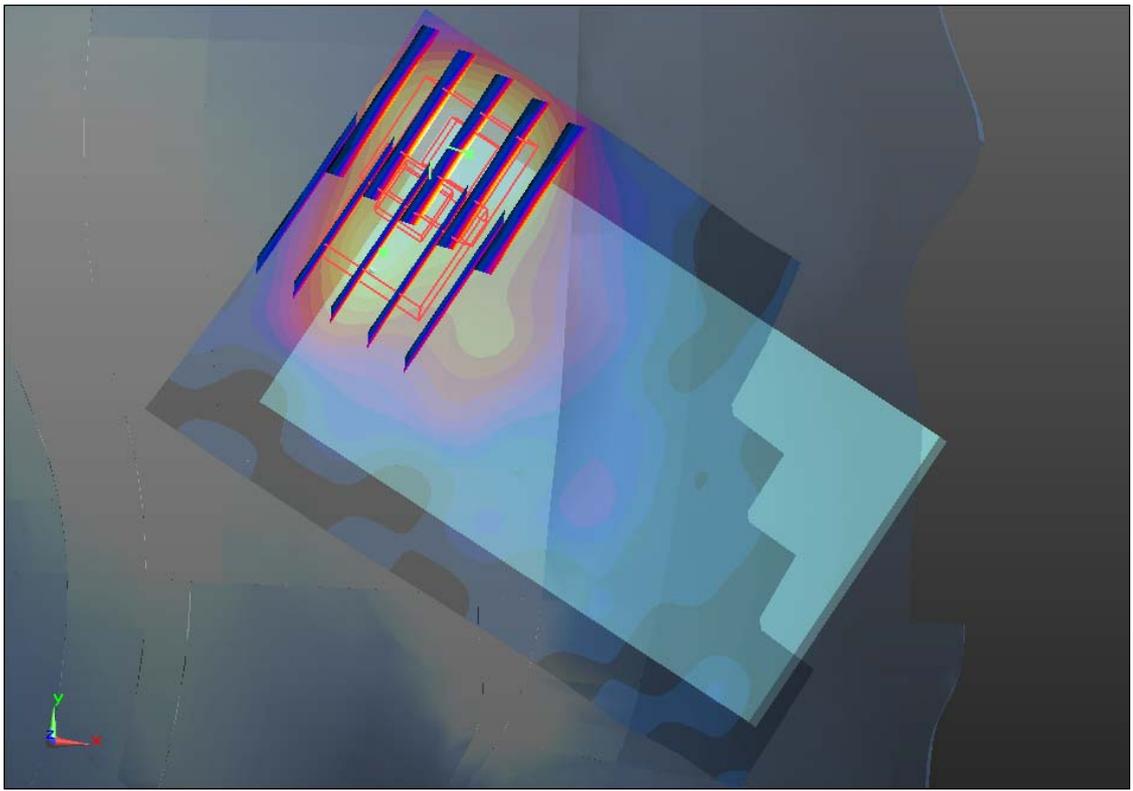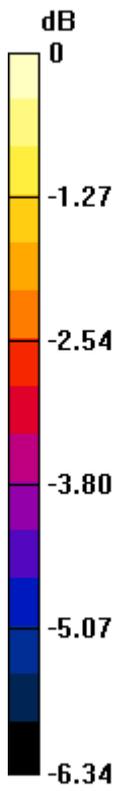Maximum value of SAR (measured) = 0.491 mW/g

Ch1/Zoom Scan (5x5x7)/Cube 1: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 13.717 V/m; Power Drift = -0.02 dB
Peak SAR (extrapolated) = 0.599 W/kg
SAR(1 g) = 0.347 mW/g; SAR(10 g) = 0.237 mW/g
Maximum value of SAR (measured) = 0.420 mW/g

0 dB = 0.420mW/g

#12 802.11b_Left Tited_Ch1

DUT: 251803

Communication System: WIFI; Frequency: 2412 MHz;Duty Cycle: 1:1
Medium: HSL_2450_120715 Medium parameters used: f = 2412 MHz; σ = 1.791 mho/m; ε_r = 39.777; ρ = 1000 kg/m^3
Ambient Temperature：23.6 ℃；Liquid Temperature：21.6 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3697; ConvF(6.67, 6.67, 6.67); Calibrated: 2011-9-2
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18
- Phantom: SAM1; Type: SAM; Serial: TP-1479
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

Ch1/Area Scan (61x91x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.439 mW/g

Ch1/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 15.170 V/m; Power Drift = -0.02 dB
Peak SAR (extrapolated) = 0.628 W/kg
SAR(1 g) = 0.385 mW/g; SAR(10 g) = 0.251 mW/g
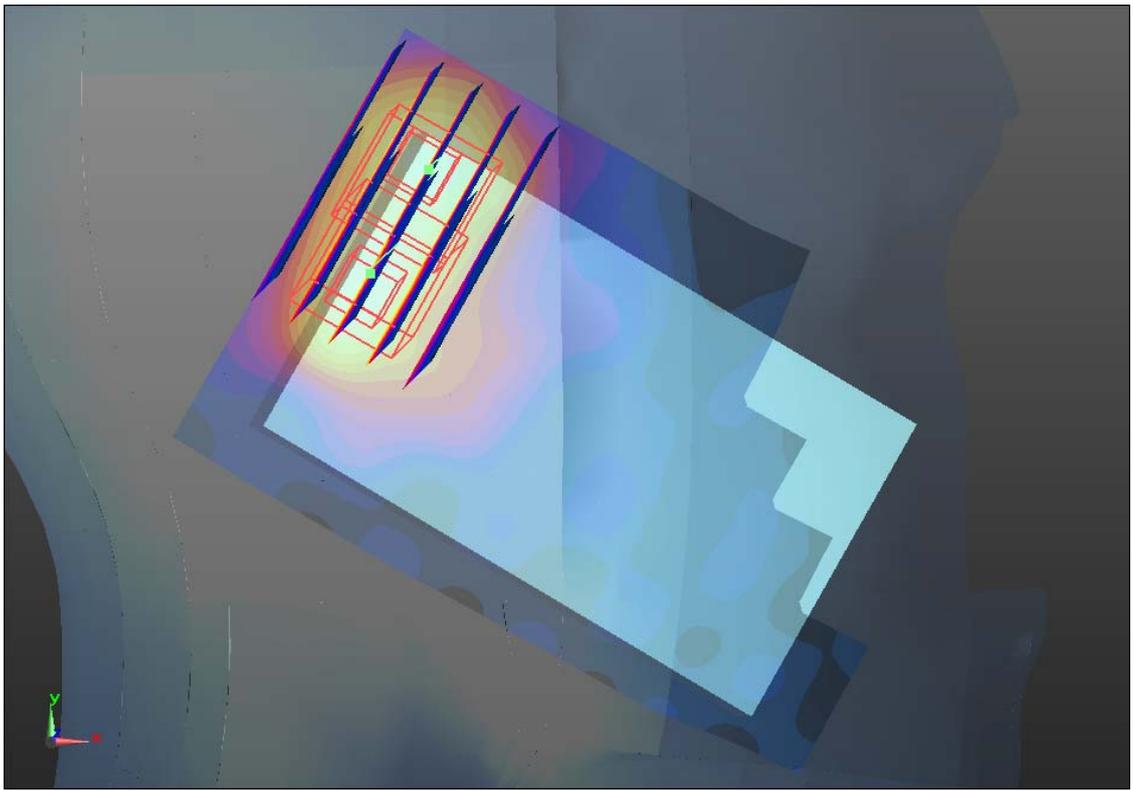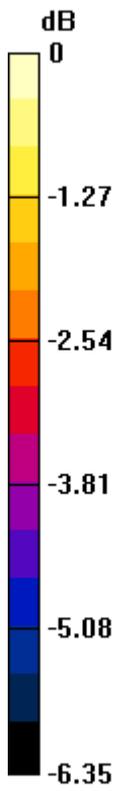Maximum value of SAR (measured) = 0.404 mW/g

Ch1/Zoom Scan (5x5x7)/Cube 1: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 15.170 V/m; Power Drift = -0.02 dB
Peak SAR (extrapolated) = 0.724 W/kg
SAR(1 g) = 0.392 mW/g; SAR(10 g) = 0.251 mW/g
Maximum value of SAR (measured) = 0.423 mW/g

0 dB = 0.420mW/g

#13 GSM850_GPRS10_Front_1.5cm_Ch189_Headset

DUT: 251803

Communication System: GPRS/EDGE 10; Frequency: 836.4 MHz;Duty Cycle: 1:4
Medium: MSL_835_120709 Medium parameters used: f = 836.4 MHz; σ = 0.975 mho/m; ε$_r$ =

54.233; ρ = 1000 kg/m^3
Ambient Temperature：23.1 ℃；Liquid Temperature：21.1 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3697; ConvF(8.67, 8.67, 8.67); Calibrated: 2011-9-2
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18
- Phantom: SAM2; Type: SAM; Serial: TP-1477
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

Ch189/Area Scan (61x91x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.400 mW/g

Ch189/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 19.516 V/m; Power Drift = -0.09 dB
Peak SAR (extrapolated) = 0.455 W/kg
SAR(1 g) = 0.369 mW/g; SAR(10 g) = 0.283 mW/g
Maximum value of SAR (measured) = 0.389 mW/g

0 dB = 0.390mW/g
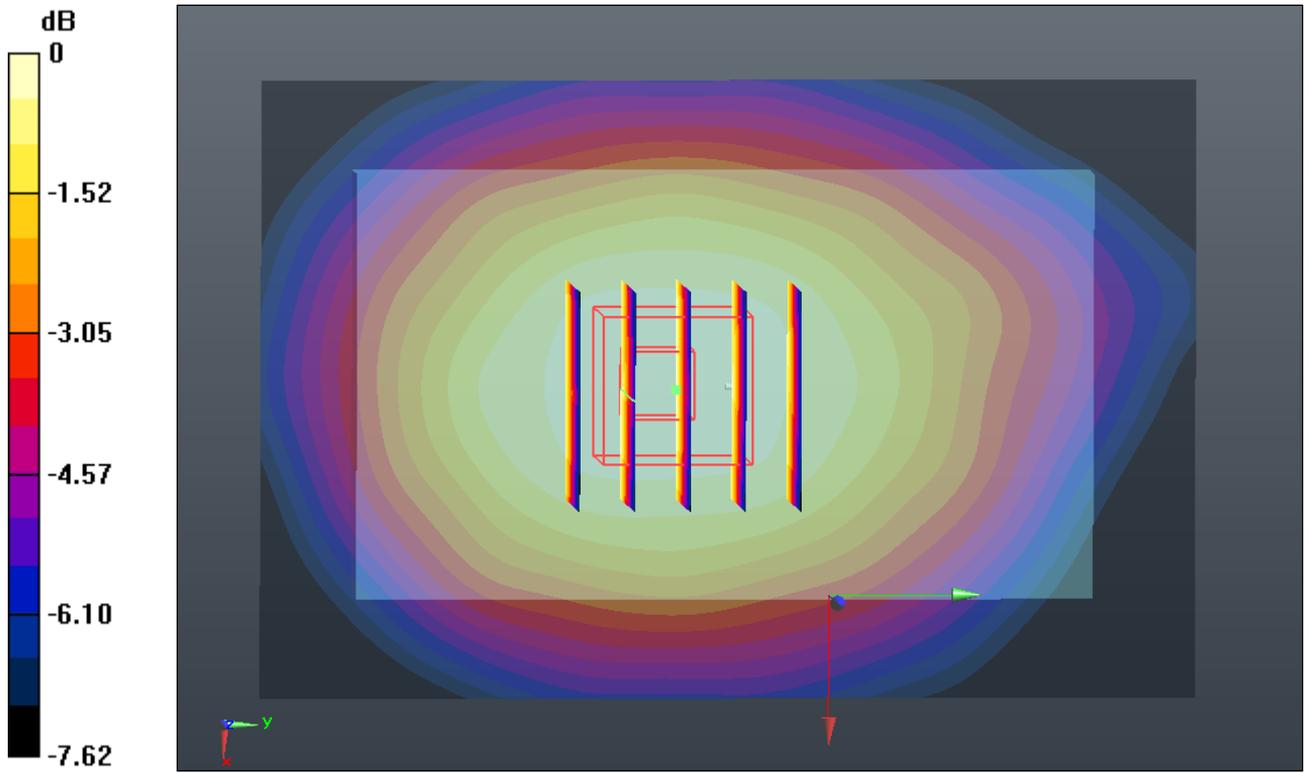
#14 GSM850_GPRS10_Back_1.5cm_Ch189_Headset

DUT: 251803

Communication System: GPRS/EDGE 10; Frequency: 836.4 MHz;Duty Cycle: 1:4
Medium: MSL_835_120709 Medium parameters used: f = 836.4 MHz; σ = 0.975 mho/m; ε_r = 54.233; ρ = 1000 kg/m^3
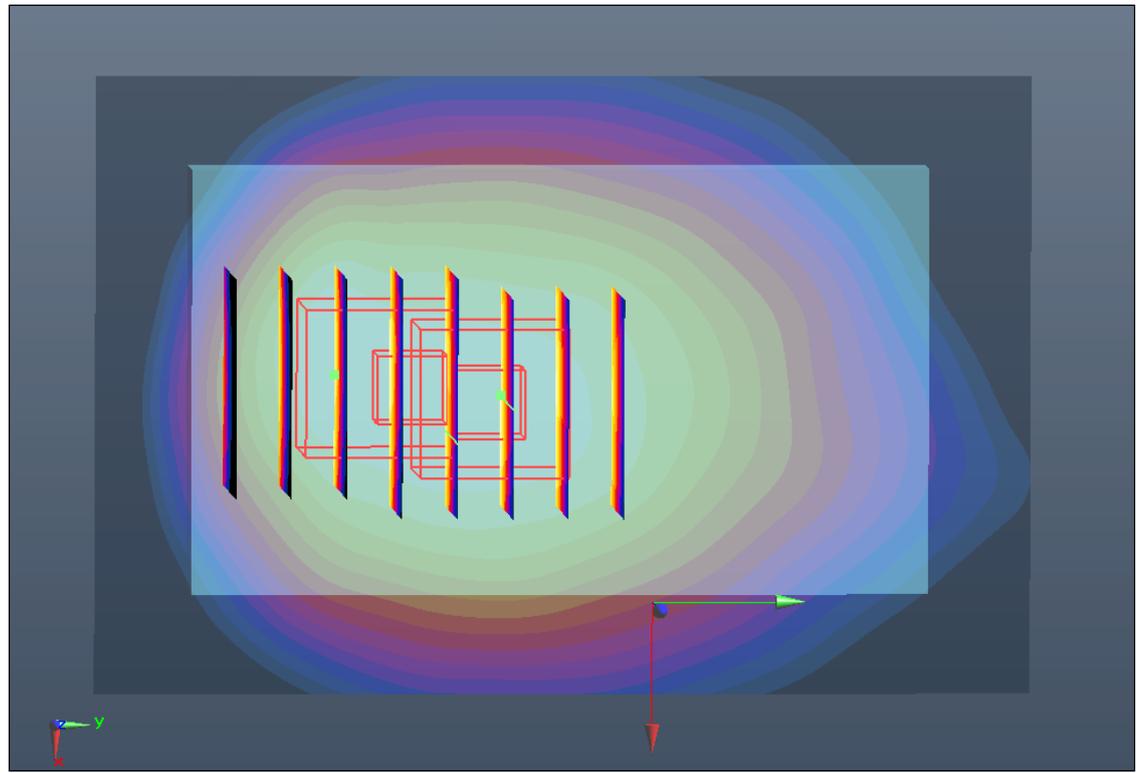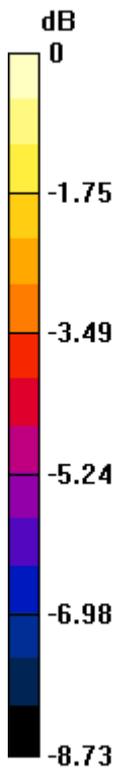Ambient Temperature：23.1 ℃；Liquid Temperature：21.1 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3697; ConvF(8.67, 8.67, 8.67); Calibrated: 2011-9-2
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18
- Phantom: SAM2; Type: SAM; Serial: TP-1477
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

Ch189/Area Scan (61x91x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.699 mW/g

Ch189/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 25.441 V/m; Power Drift = -0.18 dB
Peak SAR (extrapolated) = 0.822 W/kg
SAR(1 g) = 0.613 mW/g; SAR(10 g) = 0.447 mW/g
Maximum value of SAR (measured) = 0.661 mW/g

Ch189/Zoom Scan (5x5x7)/Cube 1: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 25.441 V/m; Power Drift = -0.18 dB
Peak SAR (extrapolated) = 0.813 W/kg
SAR(1 g) = 0.633 mW/g; SAR(10 g) = 0.472 mW/g
Maximum value of SAR (measured) = 0.675 mW/g

0 dB = 0.680mW/g

#14 GSM850_GPRS10_Back_1.5cm_Ch189_Headset_2D

DUT: 251803

Communication System: GPRS/EDGE 10; Frequency: 836.4 MHz;Duty Cycle: 1:4
Medium: MSL_835_120709 Medium parameters used: f = 836.4 MHz; σ = 0.975 mho/m; ε_r = 54.233; ρ = 1000 kg/m^3
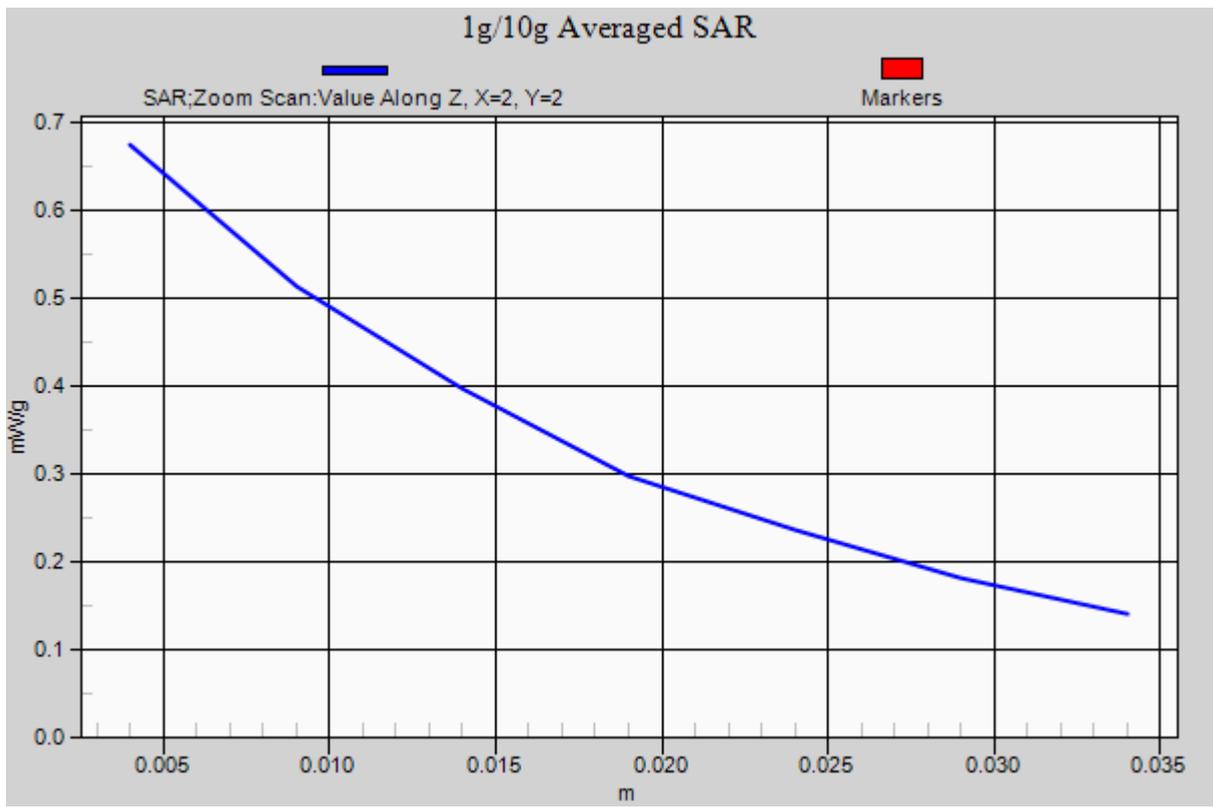Ambient Temperature：23.1 ℃；Liquid Temperature：21.1 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3697; ConvF(8.67, 8.67, 8.67); Calibrated: 2011-9-2
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18
- Phantom: SAM2; Type: SAM; Serial: TP-1477
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

Ch189/Area Scan (61x91x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.699 mW/g

Ch189/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 25.441 V/m; Power Drift = -0.18 dB
Peak SAR (extrapolated) = 0.822 W/kg
SAR(1 g) = 0.613 mW/g; SAR(10 g) = 0.447 mW/g
Maximum value of SAR (measured) = 0.661 mW/g

Ch189/Zoom Scan (5x5x7)/Cube 1: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 25.441 V/m; Power Drift = -0.18 dB
Peak SAR (extrapolated) = 0.813 W/kg
SAR(1 g) = 0.633 mW/g; SAR(10 g) = 0.472 mW/g
Maximum value of SAR (measured) = 0.675 mW/g

1g/10g Averaged SAR

#15 GSM1900_GPRS10_Front_1.5cm_Ch512_Headset

DUT: 251803

Communication System: GPRS/EDGE 10; Frequency: 1850.2 MHz;Duty Cycle: 1:4
Medium: MSL_1900_120709 Medium parameters used: f = 1850.2 MHz; σ = 1.464 mho/m; ε_r =

54.607; ρ = 1000 kg/m^3
Ambient Temperature：23.5 ℃；Liquid Temperature：21.5 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3697; ConvF(6.96, 6.96, 6.96); Calibrated: 2011-9-2
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18
- Phantom: SAM1; Type: SAM; Serial: TP-1479
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

Ch512/Area Scan (61x91x1): Measurement grid: dx=15mm, dy=15mm
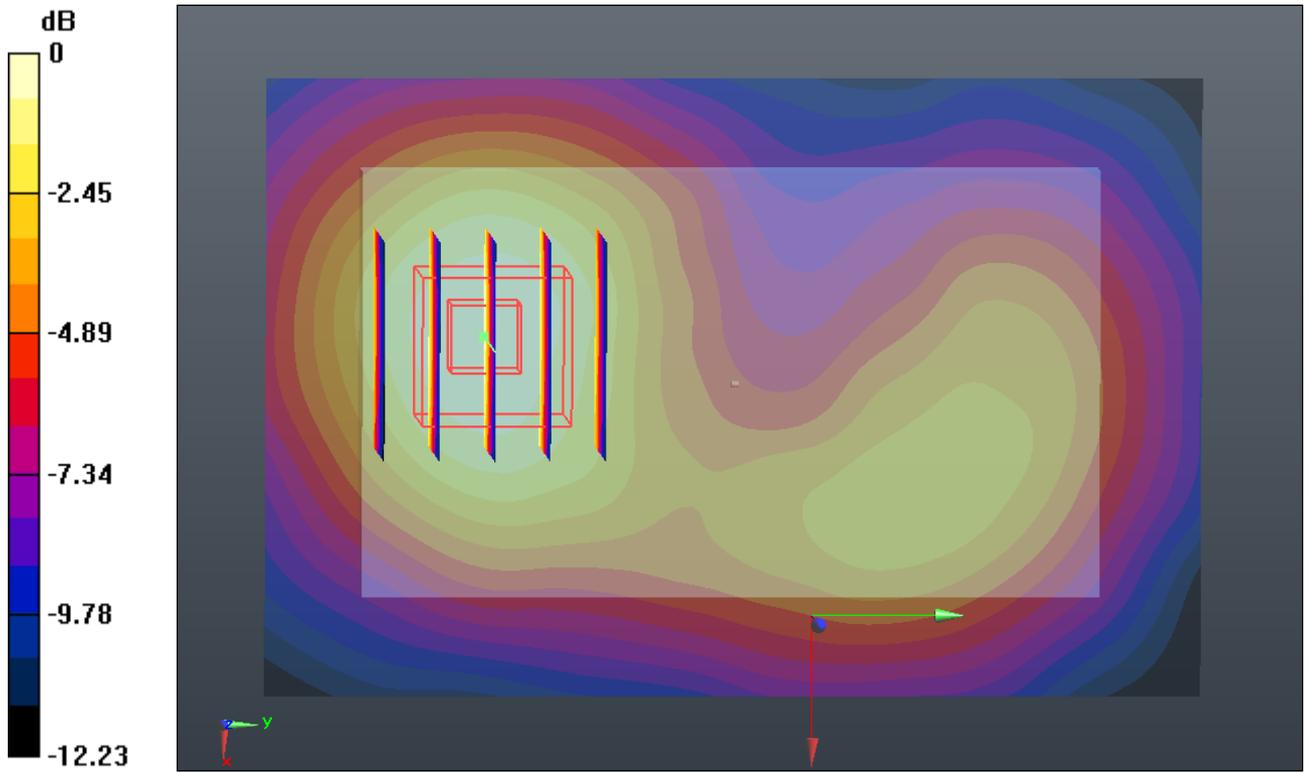Maximum value of SAR (interpolated) = 0.532 mW/g

Ch512/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 9.722 V/m; Power Drift = -0.10 dB
Peak SAR (extrapolated) = 0.732 W/kg
SAR(1 g) = 0.479 mW/g; SAR(10 g) = 0.302 mW/g
Maximum value of SAR (measured) = 0.524 mW/g

0 dB = 0.520mW/g

#16 GSM1900_GPRS10_Back_1.5cm_Ch512_Headset

DUT: 251803

Communication System: GPRS/EDGE 10; Frequency: 1850.2 MHz;Duty Cycle: 1:4
Medium: MSL_1900_120709 Medium parameters used: f = 1850.2 MHz; σ = 1.464 mho/m; ε_r =

54.607; ρ = 1000 kg/m^3
Ambient Temperature：23.5 ℃；Liquid Temperature：21.5 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3697; ConvF(6.96, 6.96, 6.96); Calibrated: 2011-9-2
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18
- Phantom: SAM1; Type: SAM; Serial: TP-1479
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

Ch512/Area Scan (61x91x1): Measurement grid: dx=15mm, dy=15mm
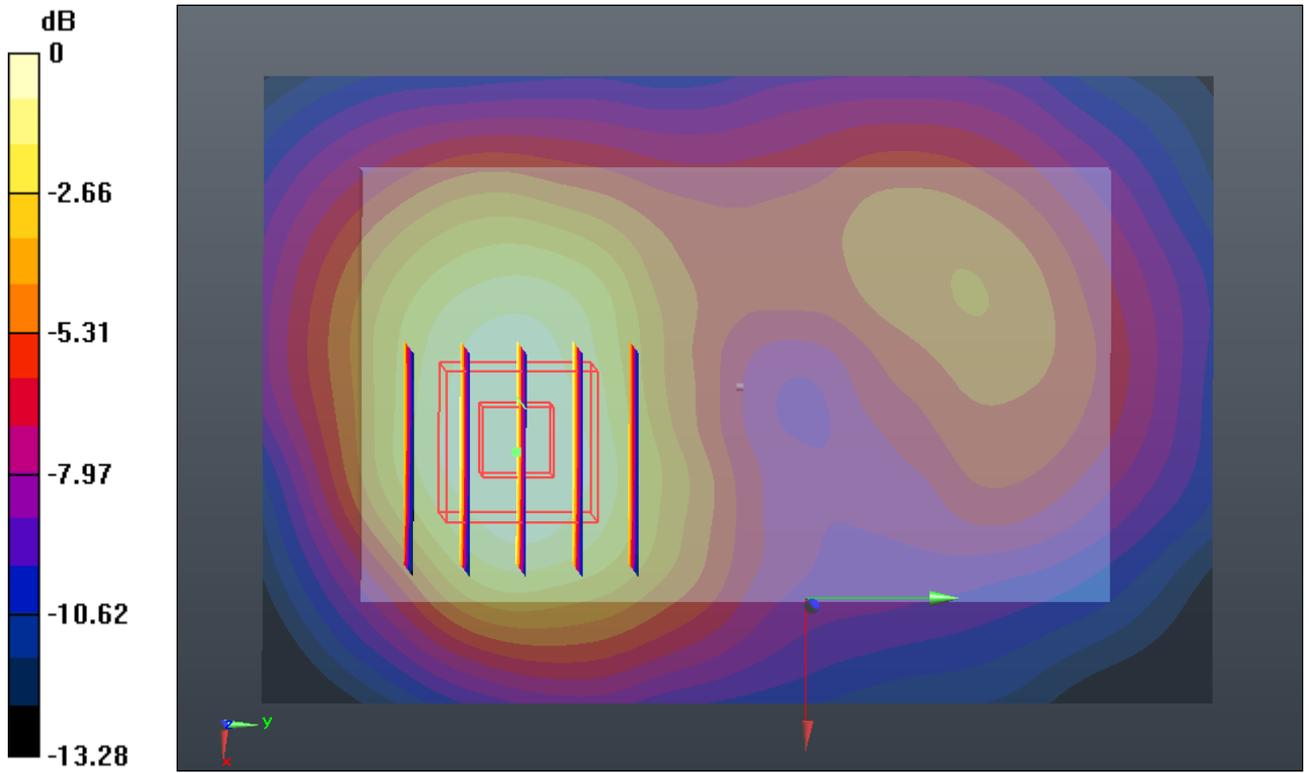Maximum value of SAR (interpolated) = 0.750 mW/g

Ch512/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 9.490 V/m; Power Drift = 0.02 dB
Peak SAR (extrapolated) = 1.006 W/kg
SAR(1 g) = 0.643 mW/g; SAR(10 g) = 0.402 mW/g
Maximum value of SAR (measured) = 0.691 mW/g

0 dB = 0.690mW/g

#16 GSM1900_GPRS10_Back_1.5cm_Ch512_Headset_2D

DUT: 251803

Communication System: GPRS/EDGE 10; Frequency: 1850.2 MHz;Duty Cycle: 1:4
Medium: MSL_1900_120709 Medium parameters used: f = 1850.2 MHz; σ = 1.464 mho/m; ε_r =
54.607; ρ = 1000 kg/m^3
Ambient Temperature：23.5 ℃；Liquid Temperature：21.5 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3697; ConvF(6.96, 6.96, 6.96); Calibrated: 2011-9-2
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18
- Phantom: SAM1; Type: SAM; Serial: TP-1479
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

Ch512/Area Scan (61x91x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.750 mW/g

Ch512/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
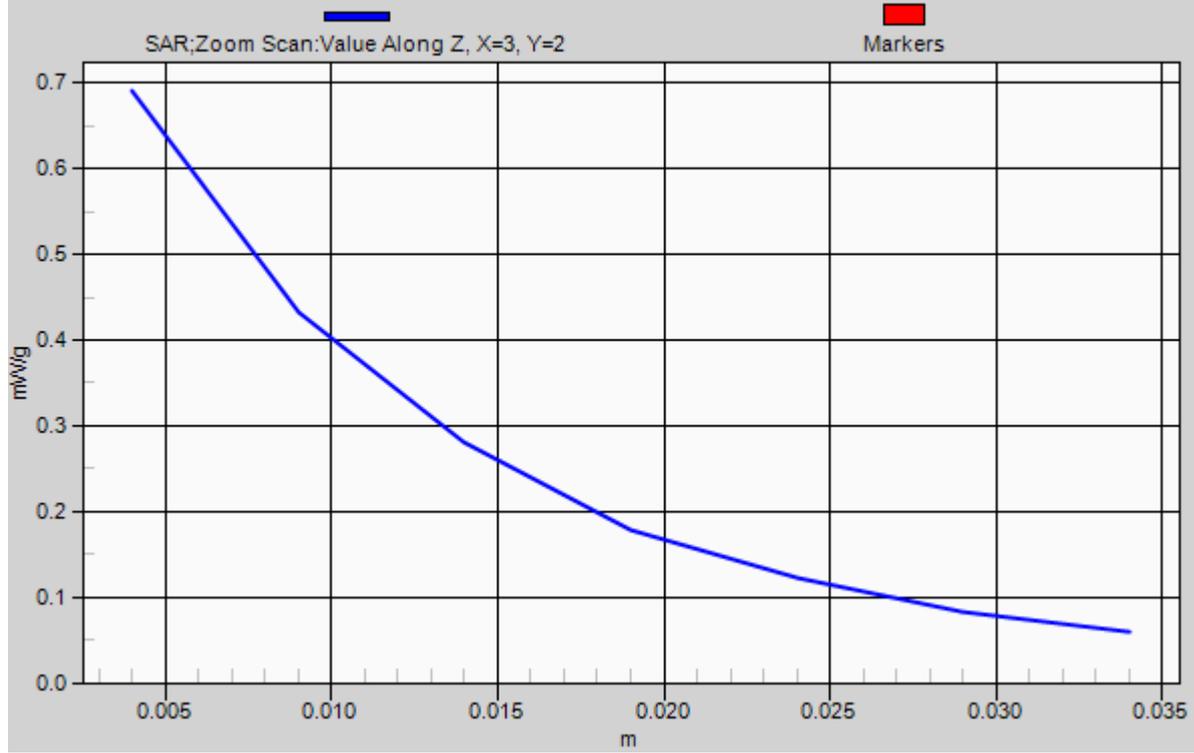Reference Value = 9.490 V/m; Power Drift = 0.02 dB
Peak SAR (extrapolated) = 1.006 W/kg
SAR(1 g) = 0.643 mW/g; SAR(10 g) = 0.402 mW/g
Maximum value of SAR (measured) = 0.691 mW/g

1g/10g Averaged SAR

#17 802.11b_Front_1.5cm_1M_Ch1_Headset

DUT: 251803

Communication System: WIFI; Frequency: 2412 MHz;Duty Cycle: 1:1
Medium: MSL_2450_120715 Medium parameters used: f = 2412 MHz; σ = 1.906 mho/m; ε_r =
54.182; ρ = 1000 kg/m^3
Ambient Temperature：23.3 ℃；Liquid Temperature：21.3 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3697; ConvF(6.73, 6.73, 6.73); Calibrated: 2011-9-2
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18
- Phantom: SAM2; Type: SAM; Serial: TP-1477
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

Ch1/Area Scan (61x91x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.193 mW/g

Ch1/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 7.742 V/m; Power Drift = -0.03 dB
Peak SAR (extrapolated) = 0.223 W/kg
SAR(1 g) = 0.180 mW/g; SAR(10 g) = 0.152 mW/g
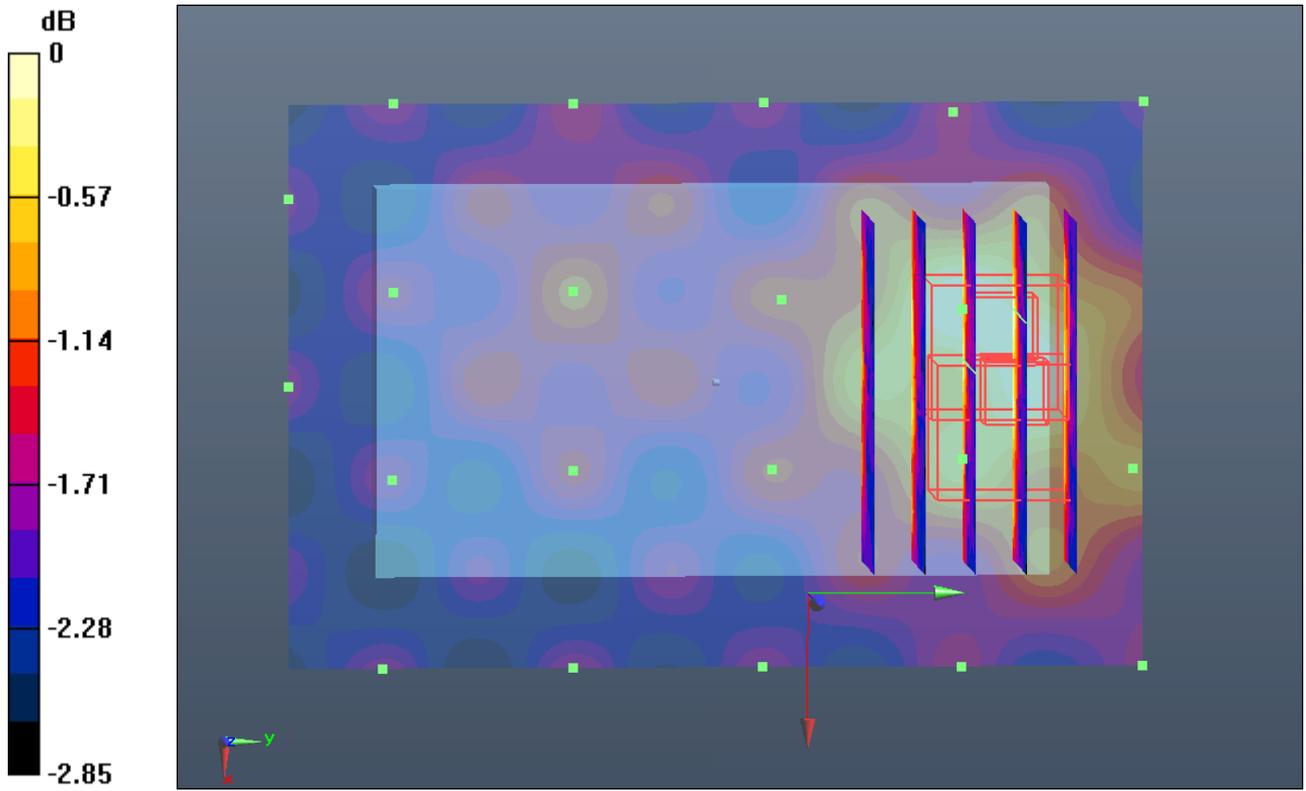Maximum value of SAR (measured) = 0.198 mW/g

Configuration/Ch1/Zoom Scan (5x5x7)/Cube 1: Measurement grid: dx=8mm, dy=8mm,
dz=5mm
Reference Value = 7.742 V/m; Power Drift = -0.03 dB
Peak SAR (extrapolated) = 0.214 W/kg
SAR(1 g) = 0.177 mW/g; SAR(10 g) = 0.147 mW/g
Maximum value of SAR (measured) = 0.193 mW/g

0 dB = 0.190mW/g

#17 802.11b_Front_1.5cm_1M_Ch1_Headset_2D

DUT: 251803

Communication System: WIFI; Frequency: 2412 MHz;Duty Cycle: 1:1
Medium: MSL_2450_120715 Medium parameters used: f = 2412 MHz; σ = 1.906 mho/m; ε_r = 54.182; ρ = 1000 kg/m³
Ambient Temperature：23.3 ℃；Liquid Temperature：21.3 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3697; ConvF(6.73, 6.73, 6.73); Calibrated: 2011-9-2
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18
- Phantom: SAM2; Type: SAM; Serial: TP-1477
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

Ch1/Area Scan (61x91x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.193 mW/g

Ch1/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 7.742 V/m; Power Drift = -0.03 dB
Peak SAR (extrapolated) = 0.223 W/kg
SAR(1 g) = 0.180 mW/g; SAR(10 g) = 0.152 mW/g
Maximum value of SAR (measured) = 0.198 mW/g

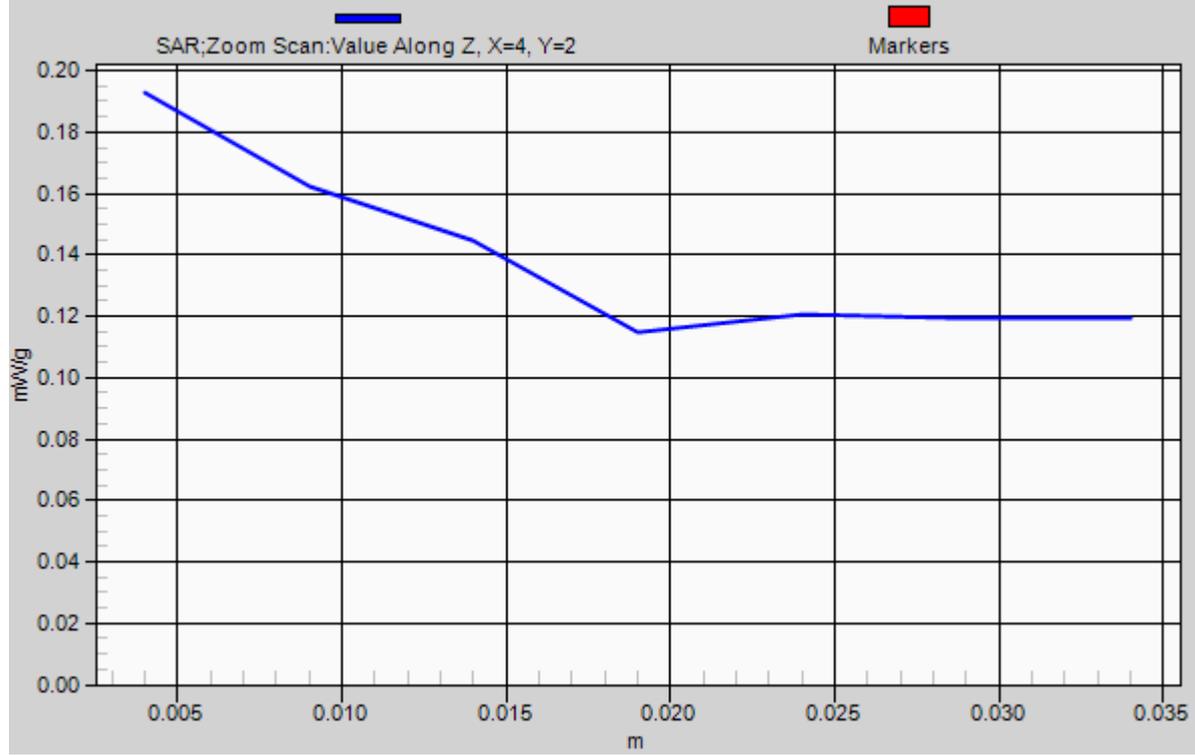**Ch1/Zoom Scan (5x5x7)/Cube 1:** Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 7.742 V/m; Power Drift = -0.03 dB
Peak SAR (extrapolated) = 0.214 W/kg
SAR(1 g) = 0.177 mW/g; SAR(10 g) = 0.147 mW/g
Maximum value of SAR (measured) = 0.193 mW/g

1g/10g Averaged SAR

#18 802.11b_Back_1.5cm_1M_Ch1_Headset

DUT: 251803

Communication System: WIFI; Frequency: 2412 MHz;Duty Cycle: 1:1
Medium: MSL_2450_120715 Medium parameters used: f = 2412 MHz; σ = 1.906 mho/m; ε_r =

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

DASY5 Configuration:
- Probe: EX3DV4 - SN3697; ConvF(6.73, 6.73, 6.73); Calibrated: 2011-9-2
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18
- Phantom: SAM2; Type: SAM; Serial: TP-1477
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

Ch1/Area Scan (61x91x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.185 mW/g

Ch1/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 7.834 V/m; Power Drift = -0.13 dB
Peak SAR (extrapolated) = 0.205 W/kg
SAR(1 g) = 0.169 mW/g; SAR(10 g) = 0.147 mW/g
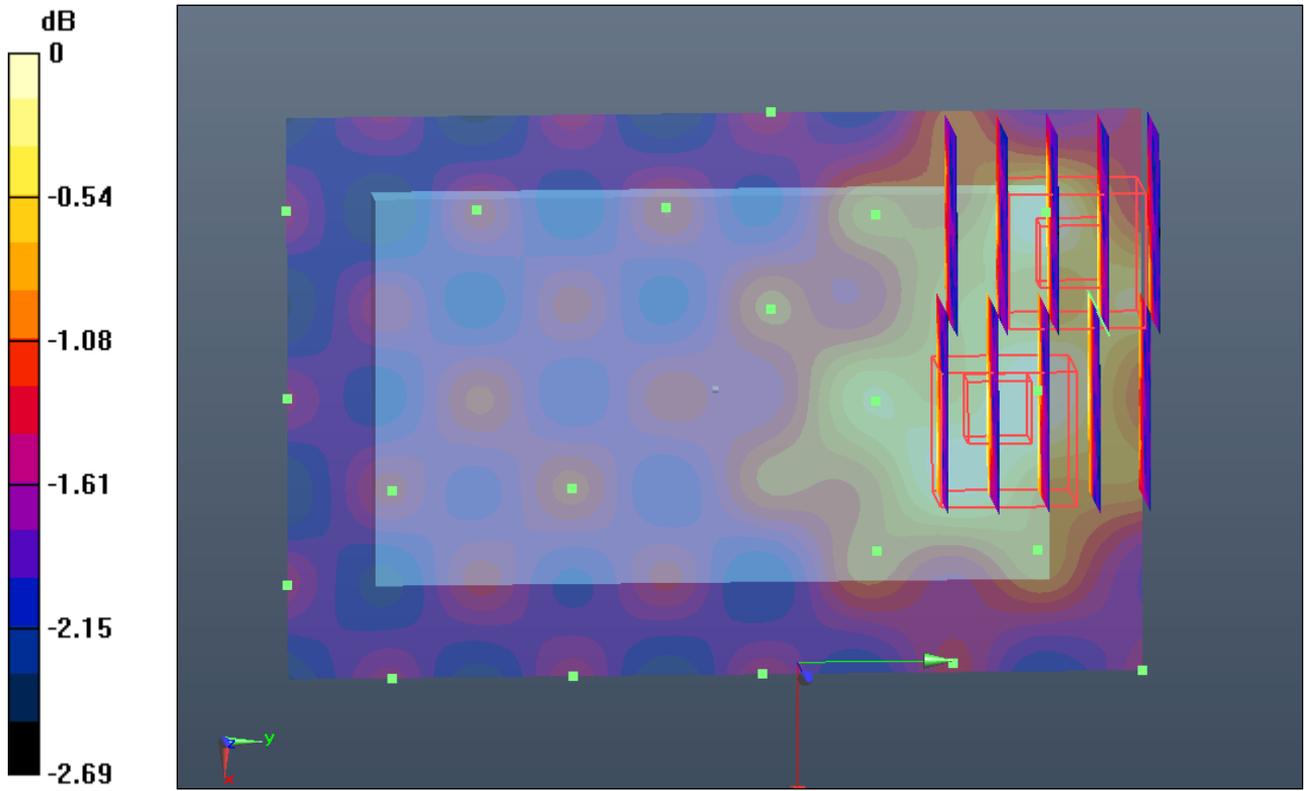Maximum value of SAR (measured) = 0.184 mW/g

Ch1/Zoom Scan (5x5x7)/Cube 1: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 7.834 V/m; Power Drift = -0.13 dB
Peak SAR (extrapolated) = 0.197 W/kg
SAR(1 g) = 0.168 mW/g; SAR(10 g) = 0.143 mW/g
Maximum value of SAR (measured) = 0.181 mW/g

0 dB = 0.180mW/g