



Appendix A. System Check Plots

SystemPerformanceCheck-D1800-ES-Body

SystemPerformanceCheck-D1800-ES-Body

SystemPerformanceCheck-D1800-ES-Body

SystemPerformanceCheck-D1800-ES-Body

SystemPerformanceCheck-D1900-ES-Body

SystemPerformanceCheck-D1800-ES-Body

Test Laboratory: HUAWEI SAR Lab

SystemPerformanceCheck-D1800-ES-Body

DUT: Dipole 1800 MHz; Type: D1800V2; Serial: D1800V2 - SN:2d184

Communication System: CW; Frequency: 1800 MHz

Medium parameters used: $f = 1800$ MHz; $\sigma = 1.55$ mho/m; $\epsilon_r = 51.8$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY5 Configuration:

- Probe: ES3DV3 - SN3254; ConvF(4.91, 4.91, 4.91); Calibrated: 3/11/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1236; Calibrated: 10/26/2010
- Phantom: SAM1; Type: SAM; Serial: TP-1475
- Measurement SW: DASY5, V5.2 Build 157; SEMCAD X Version 14.0 Build 57

Configuration/d=10mm, Pin=250mW/Area Scan (5x8x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 7.99 mW/g

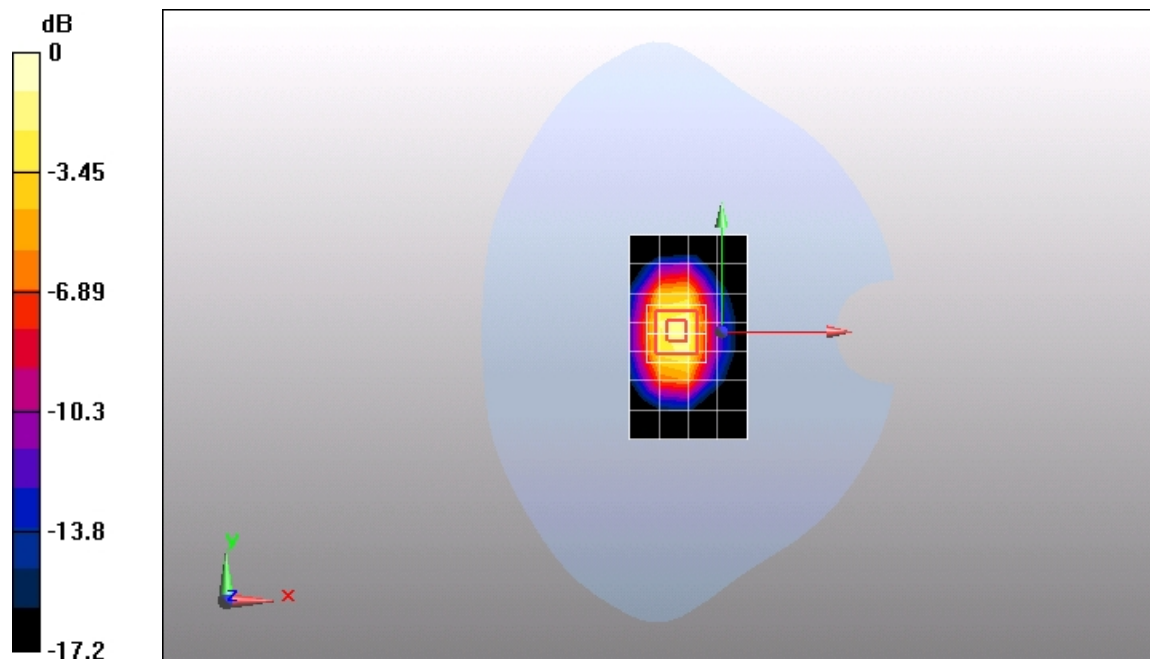
Configuration/d=10mm, Pin=250mW/Zoom Scan (7x7x7) (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 74.3 V/m; Power Drift = 0.134 dB

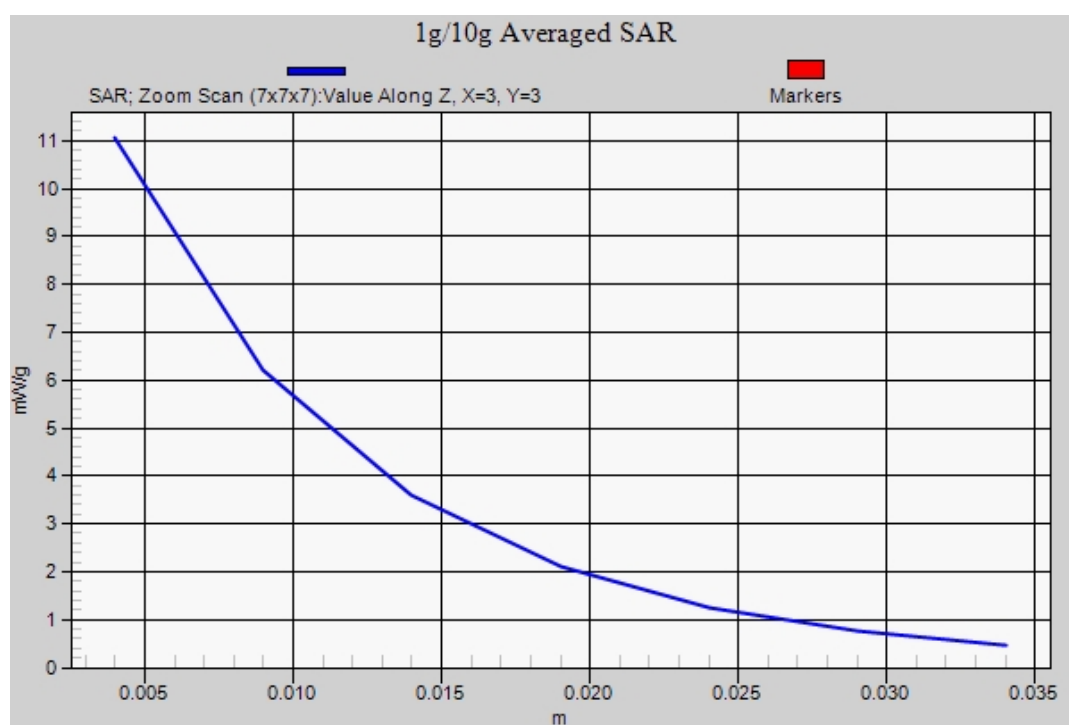
Peak SAR (extrapolated) = 17.9 W/kg

SAR(1 g) = 9.74 mW/g; SAR(10 g) = 5.05 mW/g

Maximum value of SAR (measured) = 11.1 mW/g



0 dB = 11.1mW/g



Test Laboratory: HUAWEI SAR Lab

SystemPerformanceCheck-D1800-ES-Body

DUT: Dipole 1800 MHz; Type: D1800V2; Serial: D1800V2 - SN:2d184

Communication System: CW; Frequency: 1800 MHz

Medium parameters used: $f = 1800$ MHz; $\sigma = 1.57$ mho/m; $\epsilon_r = 52.1$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY5 Configuration:

- Probe: ES3DV3 - SN3254; ConvF(4.91, 4.91, 4.91); Calibrated: 3/11/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1236; Calibrated: 10/26/2010
- Phantom: SAM1; Type: SAM; Serial: TP-1475
- Measurement SW: DASY5, V5.2 Build 157; SEMCAD X Version 14.0 Build 57

Configuration/d=10mm, Pin=250mW/Area Scan (5x8x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 9.01 mW/g

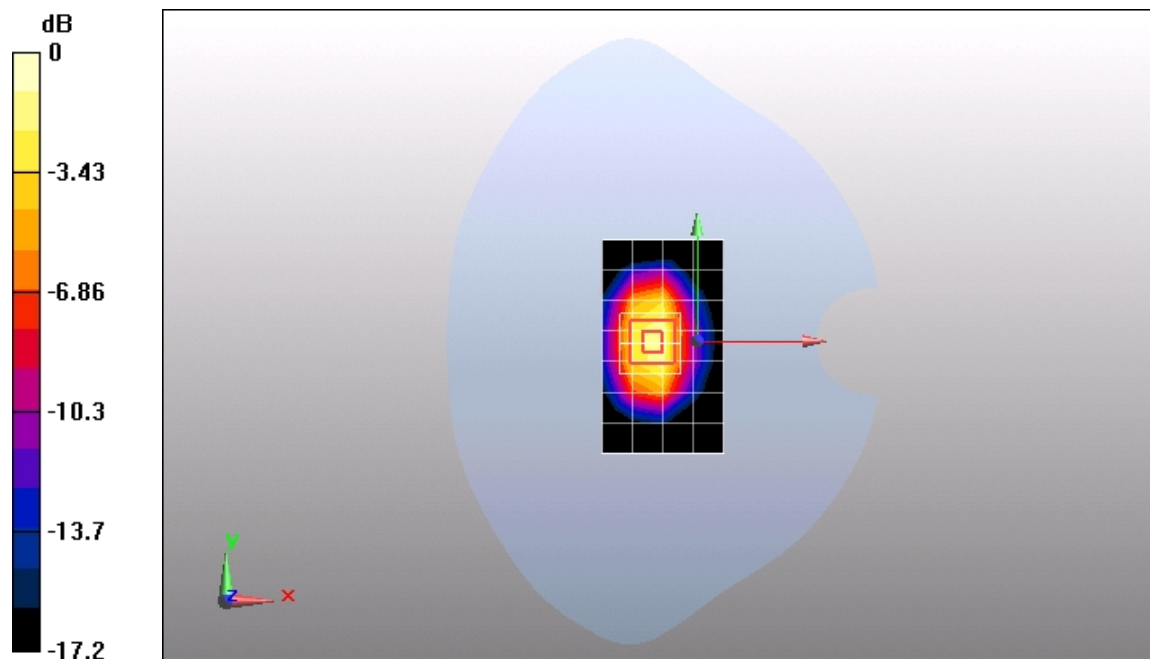
Configuration/d=10mm, Pin=250mW/Zoom Scan (7x7x7) (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 78.7 V/m; Power Drift = 0.062 dB

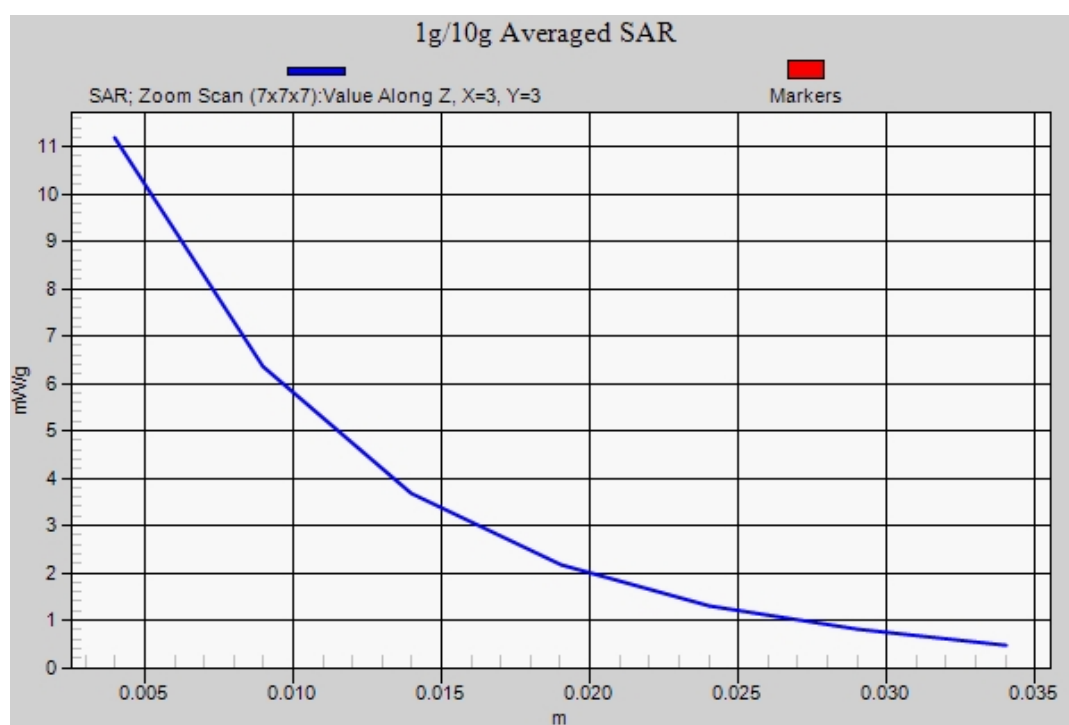
Peak SAR (extrapolated) = 18.1 W/kg

SAR(1 g) = 9.91 mW/g; SAR(10 g) = 5.15 mW/g

Maximum value of SAR (measured) = 11.2 mW/g



0 dB = 11.2mW/g



Test Laboratory: HUAWEI SAR Lab

SystemPerformanceCheck-D1800-ES-Body

DUT: Dipole 1800 MHz; Type: D1800V2; Serial: D1800V2 - SN:2d184

Communication System: CW; Frequency: 1800 MHz

Medium parameters used: $f = 1800$ MHz; $\sigma = 1.54$ mho/m; $\epsilon_r = 52.2$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY5 Configuration:

- Probe: ES3DV3 - SN3254; ConvF(4.91, 4.91, 4.91); Calibrated: 3/11/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1236; Calibrated: 10/26/2010
- Phantom: SAM1; Type: SAM; Serial: TP-1475
- Measurement SW: DASY5, V5.2 Build 157; SEMCAD X Version 14.0 Build 57

Configuration/d=10mm, Pin=250mW/Area Scan (5x8x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 8 mW/g

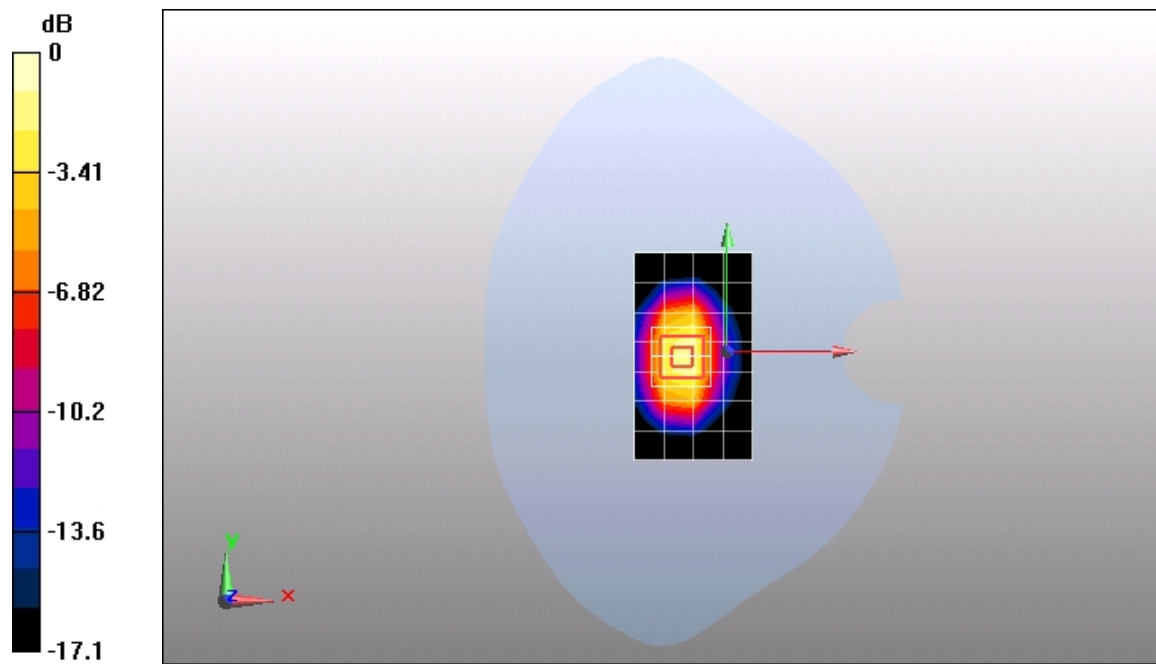
Configuration/d=10mm, Pin=250mW/Zoom Scan (7x7x7) (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 76.2 V/m; Power Drift = 0.139 dB

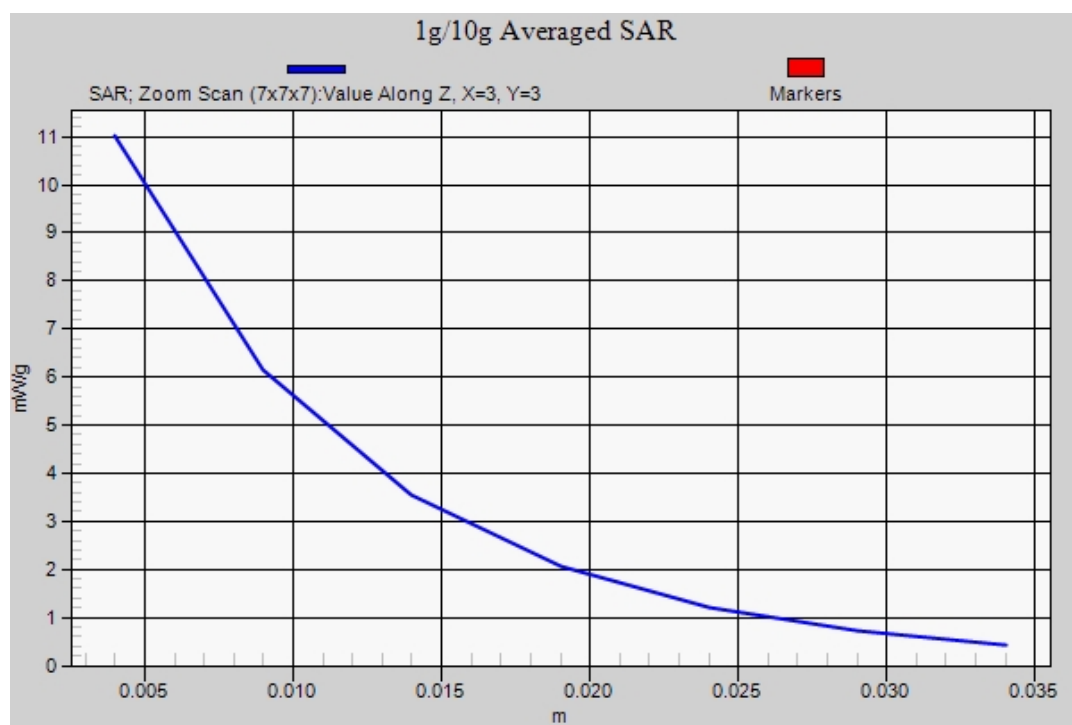
Peak SAR (extrapolated) = 17.9 W/kg

SAR(1 g) = 9.72 mW/g; SAR(10 g) = 5.01 mW/g

Maximum value of SAR (measured) = 11 mW/g



0 dB = 11mW/g



Test Laboratory: HUAWEI SAR Lab

SystemPerformanceCheck-D1800-ES-Body

DUT: Dipole 1800 MHz; Type: D1800V2; Serial: D1800V2 - SN:2d184

Communication System: CW; Frequency: 1800 MHz

Medium parameters used: $f = 1800 \text{ MHz}$; $\sigma = 1.56 \text{ mho/m}$; $\epsilon_r = 51.7$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY5 Configuration:

- Probe: ES3DV3 - SN3254; ConvF(4.91, 4.91, 4.91); Calibrated: 3/11/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1236; Calibrated: 10/26/2010
- Phantom: SAM1; Type: SAM; Serial: TP-1475
- Measurement SW: DASY5, V5.2 Build 157; SEMCAD X Version 14.0 Build 57

Configuration/d=10mm, Pin=250mW/Area Scan (5x8x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 8.05 mW/g

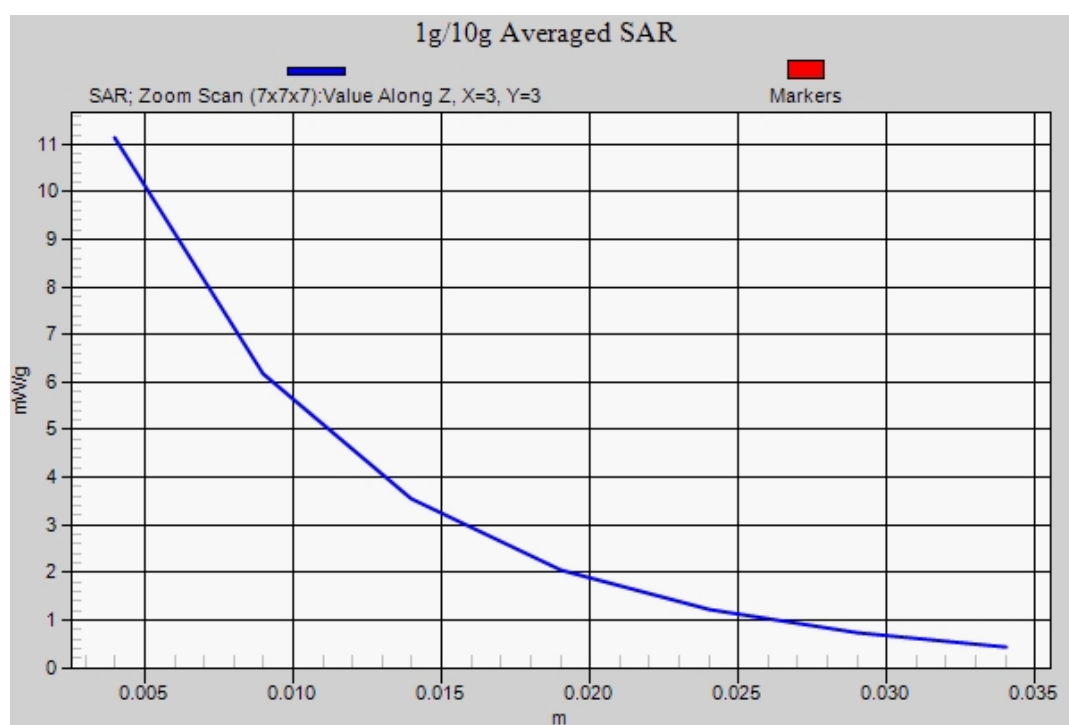
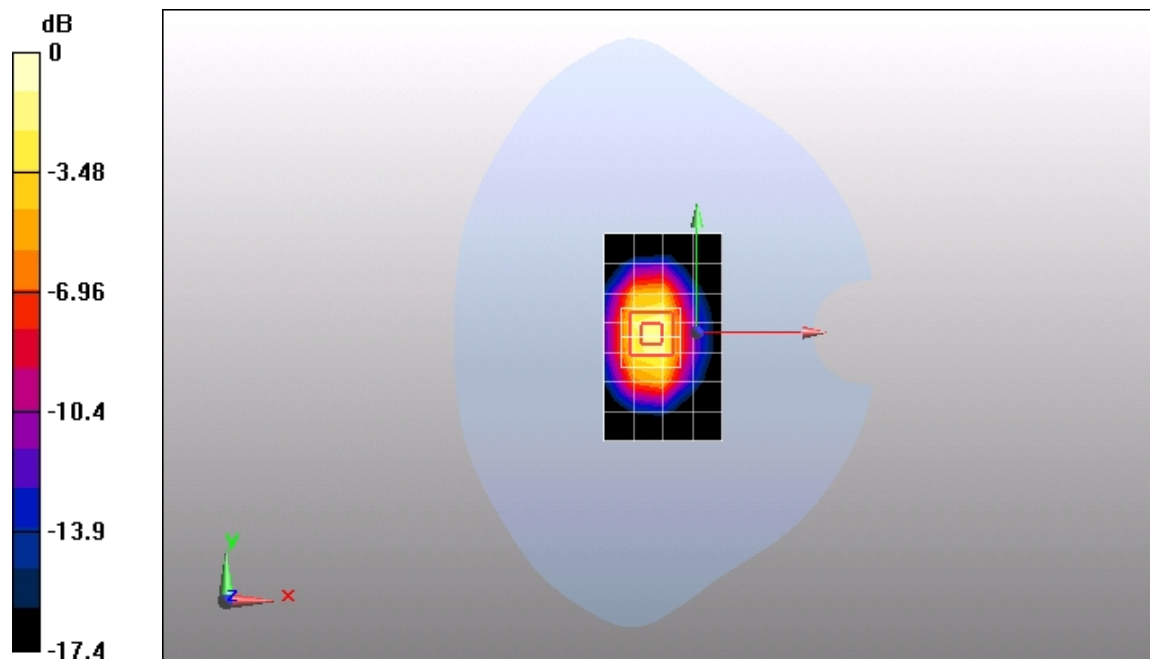
Configuration/d=10mm, Pin=250mW/Zoom Scan (7x7x7) (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 75.5 V/m; Power Drift = 0.100 dB

Peak SAR (extrapolated) = 18.2 W/kg

SAR(1 g) = 9.83 mW/g; SAR(10 g) = 5.07 mW/g

Maximum value of SAR (measured) = 11.1 mW/g



Date/Time: 7/16/2011 03:00:16, Date/Time: 7/16/2011 03:04:26

Test Laboratory: HUAWEI SAR Lab

SystemPerformanceCheck-D1900-ES-Body

DUT: Dipole 1900 MHz; Type: D1900V2; Serial: D1900V2 - SN:5d018

Communication System: CW; Frequency: 1900 MHz

Medium parameters used: $f = 1900$ MHz; $\sigma = 1.56$ mho/m; $\epsilon_r = 53.2$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY5 Configuration:

- Probe: ES3DV3 - SN3254; ConvF(4.73, 4.73, 4.73); Calibrated: 3/11/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1236; Calibrated: 10/26/2010
- Phantom: SAM2; Type: SAM; Serial: TP-1474
- Measurement SW: DASY5, V5.2 Build 157; SEMCAD X Version 14.0 Build 57

Configuration/d=10mm, Pin=250mW/Area Scan (5x8x1): Measurement grid:

dx=15mm, dy=15mm

Maximum value of SAR (measured) = 8.53 mW/g

Configuration/d=10mm, Pin=250mW/Zoom Scan (7x7x7) (7x7x7)/Cube 0:

Measurement grid: dx=5mm,

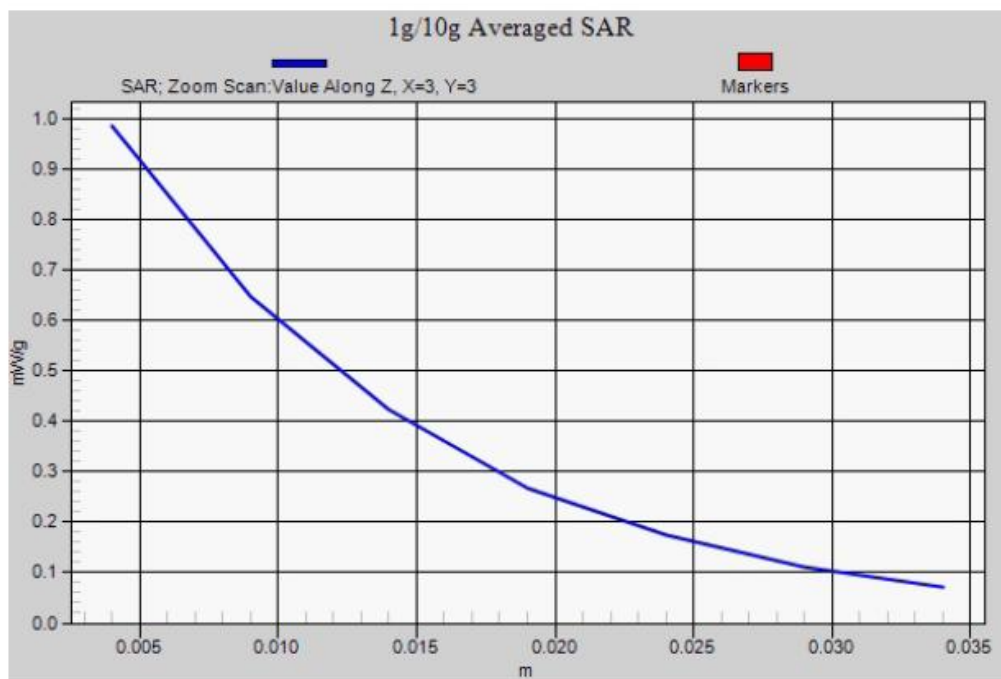
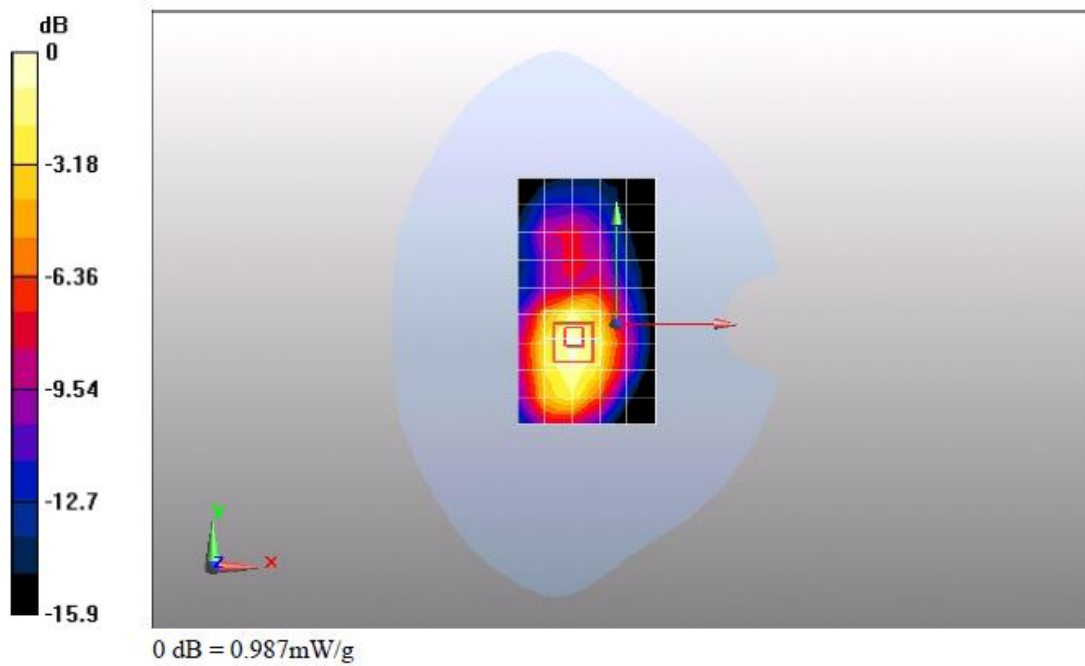
dy=5mm, dz=5mm

Reference Value = 78.4 V/m; Power Drift = 0.166 dB

Peak SAR (extrapolated) = 16.2 W/kg

SAR(1 g) = 9.37 mW/g; SAR(10 g) = 5.03 mW/g

Maximum value of SAR (measured) = 10.7 mW/g



Date/Time: 7/20/2011 20:44:53, Date/Time: 7/20/2011 20:48:55

Test Laboratory: HUAWEI SAR Lab

SystemPerformanceCheck-D1800-ES-Body

DUT: Dipole 1800 MHz; Type: D1800V2; Serial: D1800V2 - SN:2d184

Communication System: CW; Frequency: 1800 MHz

Medium parameters used: $f = 1800$ MHz; $\sigma = 1.59$ mho/m; $\epsilon_r = 51.2$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY5 Configuration:

- Probe: ES3DV3 - SN3254; ConvF(4.91, 4.91, 4.91); Calibrated: 3/11/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1236; Calibrated: 10/26/2010
- Phantom: SAM1; Type: SAM; Serial: TP-1475
- Measurement SW: DASY5, V5.2 Build 157; SEMCAD X Version 14.0 Build 57

Configuration/d=10mm, Pin=250mW/Area Scan (5x8x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 8.14 mW/g

Configuration/d=10mm, Pin=250mW/Zoom Scan (7x7x7) (7x7x7)/Cube 0:

Measurement grid: dx=5mm,

dy=5mm, dz=5mm

Reference Value = 70.2 V/m; Power Drift = -0.012 dB

Peak SAR (extrapolated) = 18.8 W/kg

SAR(1 g) = 10.1 mW/g; SAR(10 g) = 5.23 mW/g

Maximum value of SAR (measured) = 11.4 mW/g

