Appendix A. System Check Plots

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Date: 2016-3-8

Test Laboratory: HUAWEI SAR/HAC Lab

SystemPerformanceCheck-D835-ES-Head

DUT: Dipole 835 MHz D835V2; Type: D835V2; Serial: D835V2 - SN:4d059

Communication System: UID 0, CW; Frequency: 835 MHz;Duty Cycle: 1:1
Medium parameters used: f = 835 MHz; σ = 0.908 S/m; ε_r = 41.119; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY Configuration:

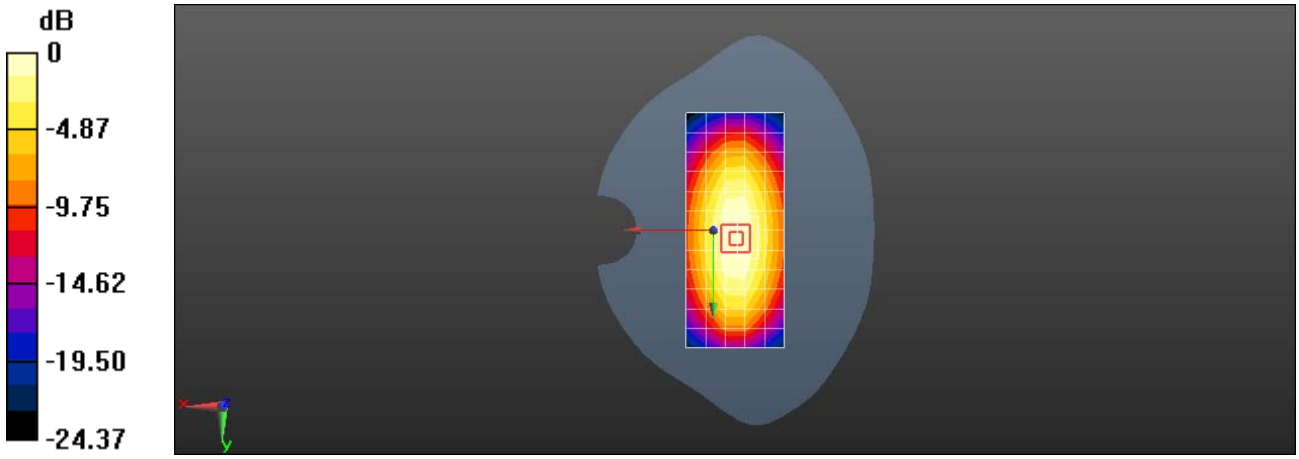
- ¿ Probe: ES3DV3 - SN3168; ConvF(6.32, 6.32, 6.32); Calibrated: 2015-9-28;
- ¿ Sensor-Surface: 3mm (Mechanical Surface Detection), z = 2.0, 32.0
- ¿ Electronics: DAE4 Sn851; Calibrated: 2015-7-20
- ¿ Phantom: SAM2; Type: SAM; Serial: TP:1474
- ¿ DASY52 52.8.8(1222);

Configuration/d=15mm, Pin=250mW/Area Scan (6x13x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 2.43 W/kg

Configuration/d=15mm, Pin=250mW/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 53.49 V/m; Power Drift = -0.01 dB
Peak SAR (extrapolated) = 3.56 W/kg
SAR(1 g) = 2.38 W/kg; SAR(10 g) = 1.55 W/kg
Maximum value of SAR (measured) = 2.79 W/kg



0 dB = 2.43 W/kg = 3.86 dBW/kg

Date: 2016-3-9

Test Laboratory: HUAWEI SAR/HAC Lab

SystemPerformanceCheck-D835-ES-Body

DUT: Dipole 835 MHz D835V2; Type: D835V2; Serial: D835V2 - SN:4d059

Communication System: UID 0, CW; Frequency: 835 MHz;Duty Cycle: 1:1
Medium parameters used: f = 835 MHz; σ = 0.987 S/m; ε_r = 53.72; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY Configuration:

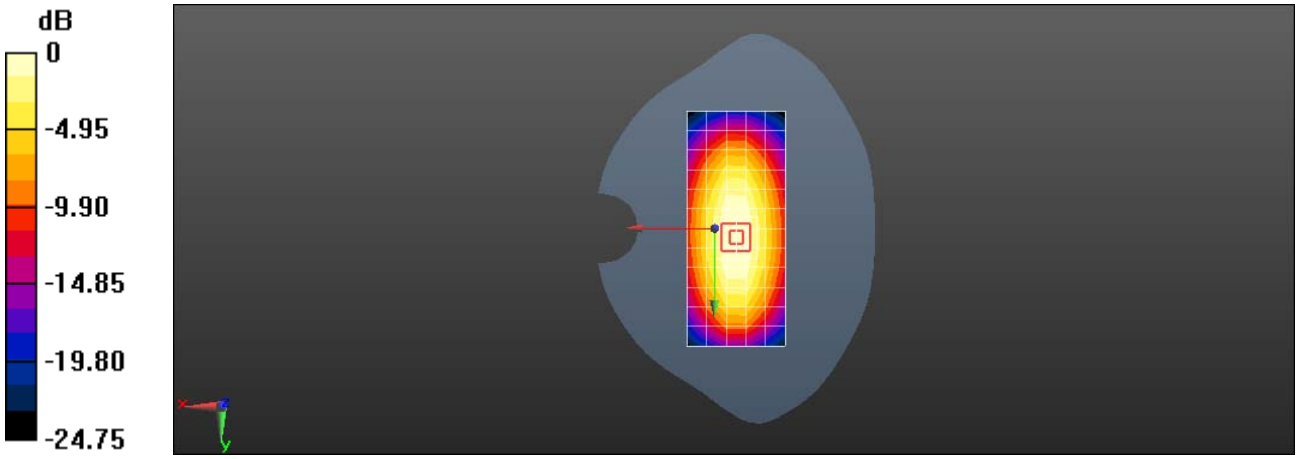
- Probe: ES3DV3 - SN3168; ConvF(6.24, 6.24, 6.24); Calibrated: 2015-9-28;
- Sensor-Surface: 3mm (Mechanical Surface Detection), z = 2.0, 32.0
- Electronics: DAE4 Sn851; Calibrated: 2015-7-20
- Phantom: SAM1; Type: SAM; Serial: TP-1475
- DASY52 52.8.8(1222);

Configuration/d=15mm, Pin=250mW/Area Scan (6x13x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 2.39 W/kg

Configuration/d=15mm, Pin=250mW/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 52.10 V/m; Power Drift = -0.03 dB
Peak SAR (extrapolated) = 3.57 W/kg
SAR(1 g) = 2.45 W/kg; SAR(10 g) = 1.6 W/kg
Maximum value of SAR (measured) = 2.87 W/kg



0 dB = 2.39 W/kg = 3.78 dBW/kg

Date: 2016-3-11

Test Laboratory: HUAWEI SAR/HAC Lab

SystemPerformanceCheck-D1750-EX-Head

DUT: Dipole 1750 MHz D1750V2; Type: D1750V2; Serial: D1750V2 - SN:1123

Communication System: UID 0, CW (0); Frequency: 1750 MHz;Duty Cycle: 1:1
Medium parameters used: f = 1750 MHz; σ = 1.414 S/m; ε_r = 40.92; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY Configuration:

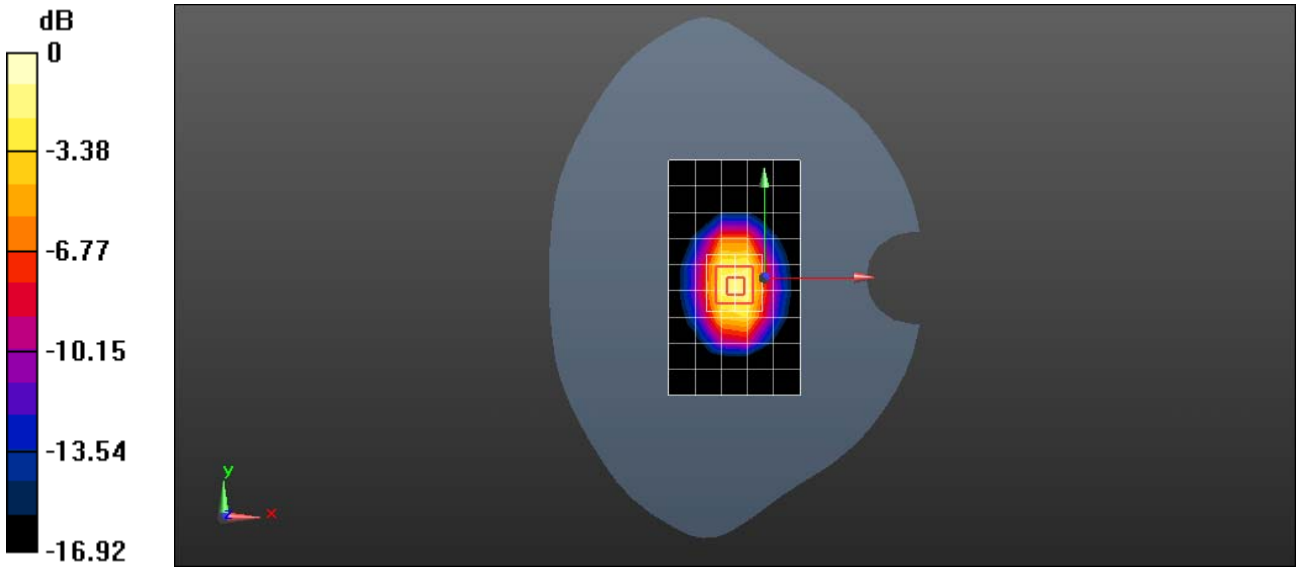
- ¿ Probe: EX3DV4 - SN3744; ConvF(7.84, 7.84, 7.84); Calibrated: 2015-7-24;
- ¿ Sensor-Surface: 3mm (Mechanical Surface Detection), z = 1.0, 31.0
- ¿ Electronics: DAE4 Sn852; Calibrated: 2015-4-27
- ¿ Phantom: SAM3; Type: SAM; Serial: TP-1597
- ¿ DASY52 52.8.8(1222);

Configuration/d=10mm pin=250mW/Area Scan (6x10x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 8.52 W/kg

Configuration/d=10mm pin=250mW/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 84.44 V/m; Power Drift = -0.03 dB
Peak SAR (extrapolated) = 16.5 W/kg
SAR(1 g) = 9.22 W/kg; SAR(10 g) = 4.91 W/kg
Maximum value of SAR (measured) = 11.7 W/kg



0 dB = 11.7 W/kg = 10.68 dBW/kg

Date: 2016-3-13

Test Laboratory: HUAWEI SAR/HAC Lab

SystemPerformanceCheck-D1750-EX-Head

DUT: Dipole 1750 MHz D1750V2; Type: D1750V2; Serial: D1750V2 - SN:1123

Communication System: UID 0, CW (0); Frequency: 1750 MHz;Duty Cycle: 1:1
Medium parameters used: f = 1750 MHz; σ = 1.369 S/m; ε_r = 39.653; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY Configuration:

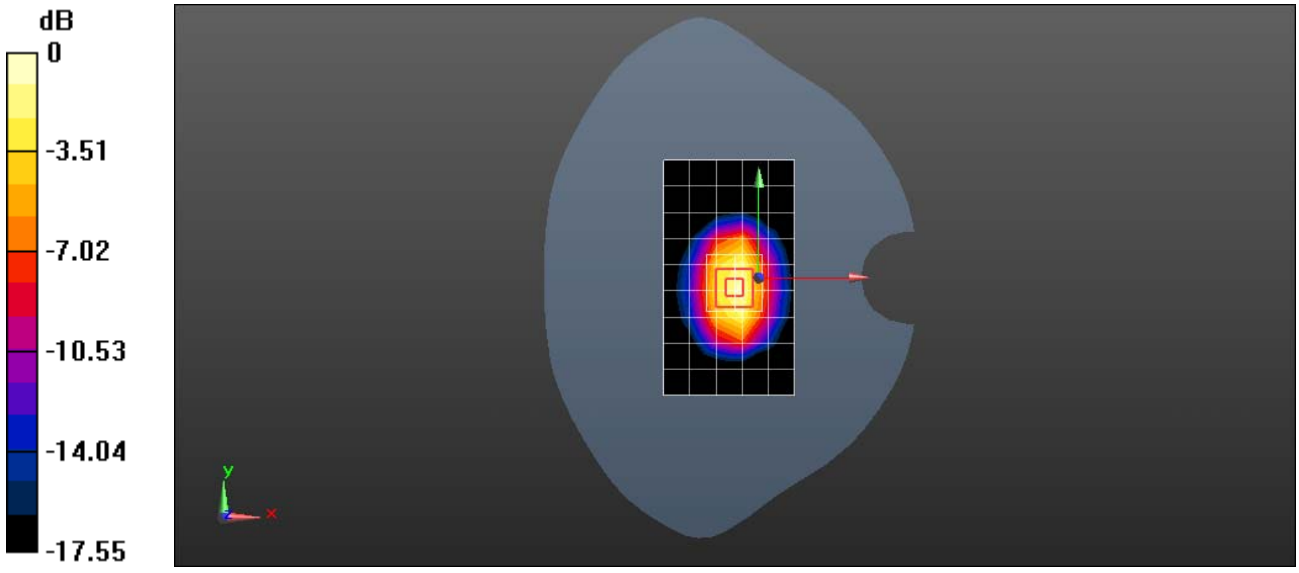
- ¿ Probe: EX3DV4 - SN3744; ConvF(7.84, 7.84, 7.84); Calibrated: 2015-7-24;
- ¿ Sensor-Surface: 3mm (Mechanical Surface Detection), z = 1.0, 31.0
- ¿ Electronics: DAE4 Sn852; Calibrated: 2015-4-27
- ¿ Phantom: SAM3; Type: SAM; Serial: TP-1597
- ¿ DASY52 52.8.8(1222);

Configuration/d=10mm pin=250mW/Area Scan (6x10x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 10.2 W/kg

Configuration/d=10mm pin=250mW/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 81.92 V/m; Power Drift = -0.17 dB
Peak SAR (extrapolated) = 16.6 W/kg
SAR(1 g) = 9.08 W/kg; SAR(10 g) = 4.8 W/kg
Maximum value of SAR (measured) = 11.4 W/kg



0 dB = 11.4 W/kg = 10.57 dBW/kg

Date: 2016-3-12

Test Laboratory: HUAWEI SAR/HAC Lab

SystemPerformanceCheck-D1750-EX-Body

DUT: Dipole 1750 MHz D1750V2; Type: D1750V2; Serial: D1750V2 - SN:1123

Communication System: UID 0, CW (0); Frequency: 1750 MHz;Duty Cycle: 1:1
Medium parameters used: f = 1750 MHz; σ = 1.445 S/m; ε_r = 52.478; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY Configuration:

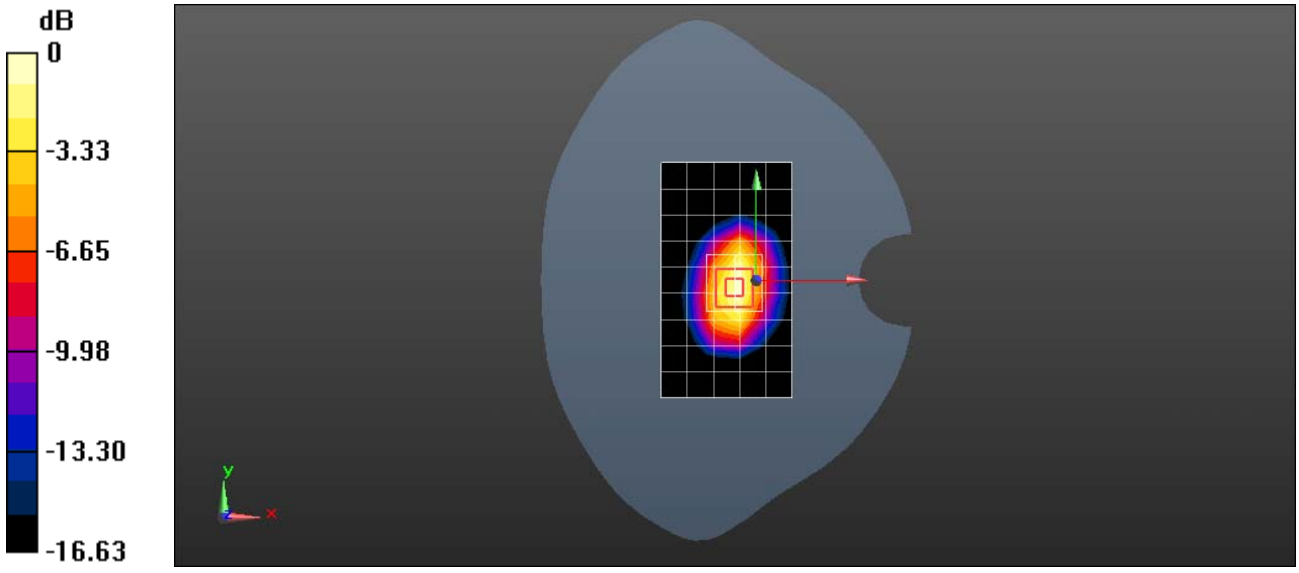
- Probe: EX3DV4 - SN3744; ConvF(7.45, 7.45, 7.45); Calibrated: 2015-7-24;
- Sensor-Surface: 3mm (Mechanical Surface Detection), z = 1.0, 31.0
- Electronics: DAE4 Sn852; Calibrated: 2015-4-27
- Phantom: SAM4; Type: SAM; Serial: TP-1620
- DASY52 52.8.8(1222);

Configuration/d=10mm pin=250mW/Area Scan (6x10x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 10.6 W/kg

Configuration/d=10mm pin=250mW/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 76.41 V/m; Power Drift = -0.19 dB
Peak SAR (extrapolated) = 16.0 W/kg
SAR(1 g) = 9.18 W/kg; SAR(10 g) = 4.98 W/kg
Maximum value of SAR (measured) = 11.3 W/kg



0 dB = 11.3 W/kg = 10.53 dBW/kg

Date: 2016-3-14

Test Laboratory: HUAWEI SAR/HAC Lab

SystemPerformanceCheck-D1750-EX-Body

DUT: Dipole 1750 MHz D1750V2; Type: D1750V2; Serial: D1750V2 - SN:1123

Communication System: UID 0, CW (0); Frequency: 1750 MHz;Duty Cycle: 1:1
Medium parameters used: f = 1750 MHz; σ = 1.534 S/m; ε_r = 51.877; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY Configuration:

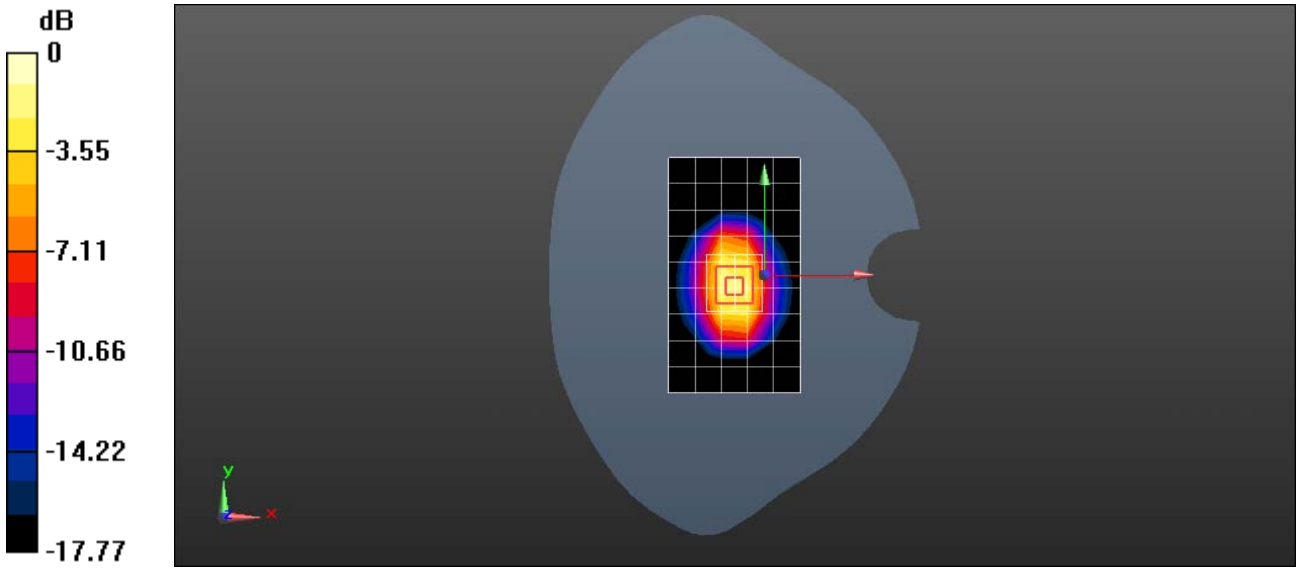
- Probe: EX3DV4 - SN3744; ConvF(7.45, 7.45, 7.45); Calibrated: 2015-7-24;
- Sensor-Surface: 3mm (Mechanical Surface Detection), z = 1.0, 31.0
- Electronics: DAE4 Sn852; Calibrated: 2015-4-27
- Phantom: SAM3; Type: SAM; Serial: TP-1597
- DASY52 52.8.8(1222);

Configuration/d=10mm pin=250mW/Area Scan (6x10x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 8.47 W/kg

Configuration/d=10mm pin=250mW/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 81.25 V/m; Power Drift = 0.01 dB
Peak SAR (extrapolated) = 17.4 W/kg
SAR(1 g) = 9.48 W/kg; SAR(10 g) = 4.92 W/kg
Maximum value of SAR (measured) = 12.1 W/kg



0 dB = 12.1 W/kg = 10.82 dBW/kg

Date: 2016-3-6

Test Laboratory: HUAWEI SAR/HAC Lab

SystemPerformanceCheck-1900-EX-Head

DUT: Dipole 1900 MHz D1900V2; Type: D1900V2; Serial: D1900V2 - SN:5d091

Communication System: UID 0, CW (0); Frequency: 1900 MHz;Duty Cycle: 1:1
Medium parameters used: f = 1900 MHz; σ = 1.421 S/m; ε_r = 38.583; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY Configuration:

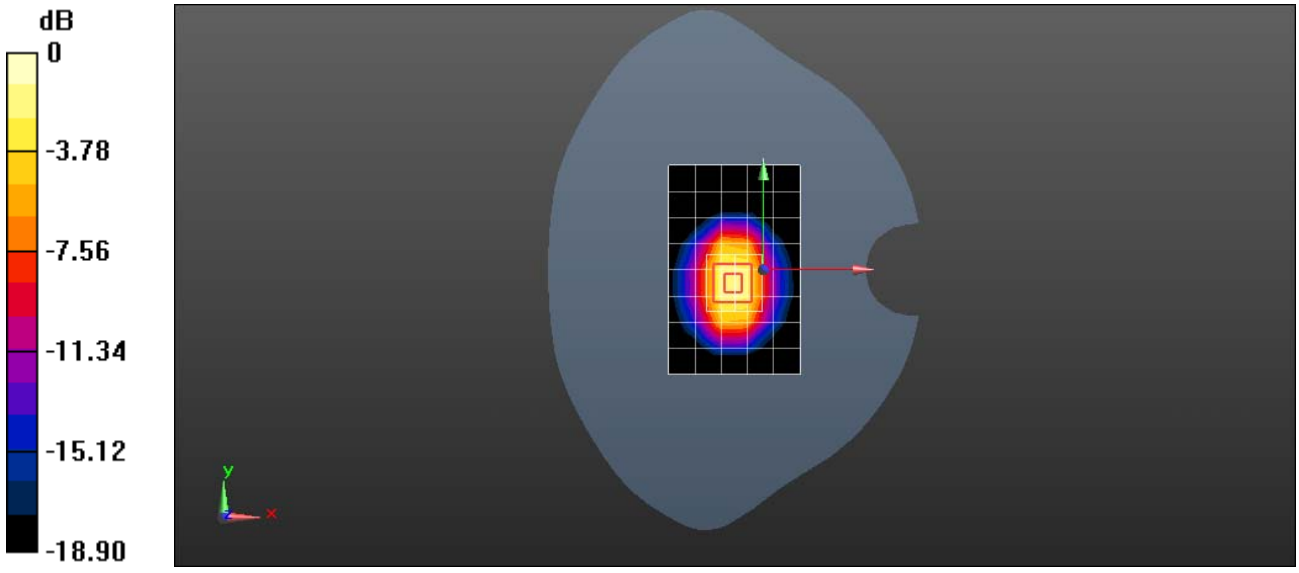
- Probe: EX3DV4 - SN3744; ConvF(7.54, 7.54, 7.54); Calibrated: 2015-7-24;
- Sensor-Surface: 3mm (Mechanical Surface Detection), z = 1.0, 31.0
- Electronics: DAE4 Sn852; Calibrated: 2015-4-27
- Phantom: SAM3; Type: SAM; Serial: TP-1597
- DASY52 52.8.8(1222);

Configuration/d=10mm, Pin=250mW/Area Scan (6x9x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 8.46 W/kg

Configuration/d=10mm, Pin=250mW/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 84.19 V/m; Power Drift = -0.02 dB
Peak SAR (extrapolated) = 18.5 W/kg
SAR(1 g) = 9.78 W/kg; SAR(10 g) = 4.96 W/kg
Maximum value of SAR (measured) = 12.5 W/kg



0 dB = 12.5 W/kg = 10.97 dBW/kg

Date: 2016-3-16

Test Laboratory: HUAWEI SAR/HAC Lab

SystemPerformanceCheck-1900-EX-Head

DUT: Dipole 1900 MHz D1900V2; Type: D1900V2; Serial: D1900V2 - SN:5d091

Communication System: UID 0, CW (0); Frequency: 1900 MHz;Duty Cycle: 1:1
Medium parameters used: f = 1900 MHz; σ = 1.449 S/m; ε_r = 40.947; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY Configuration:

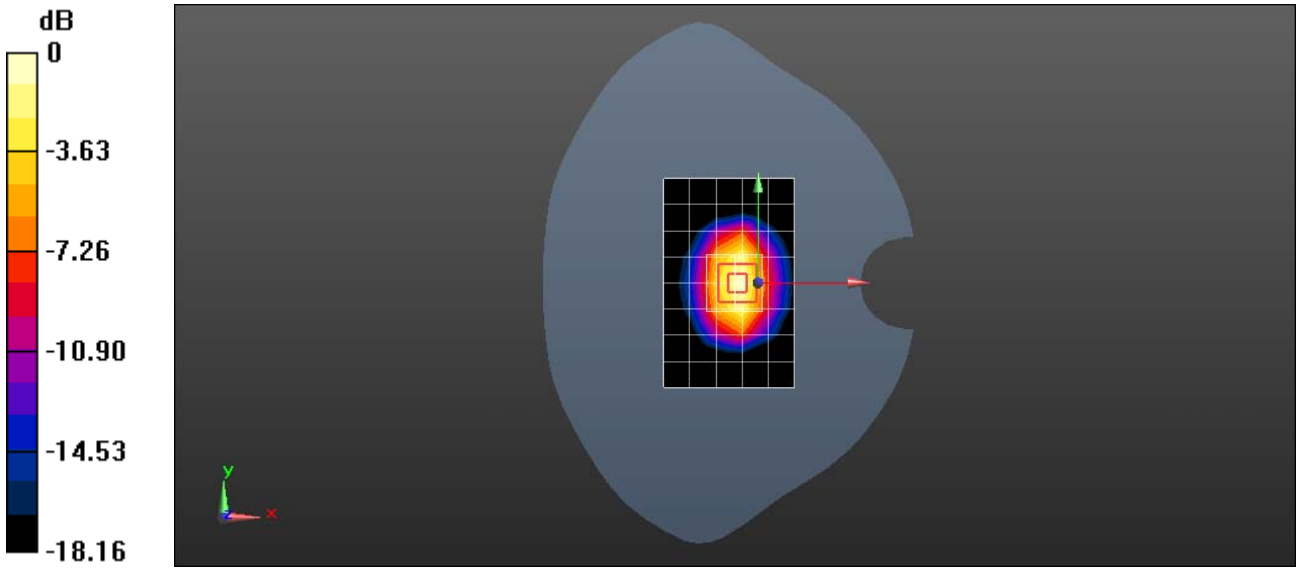
- Probe: EX3DV4 - SN3744; ConvF(7.54, 7.54, 7.54); Calibrated: 2015-7-24;
- Sensor-Surface: 3mm (Mechanical Surface Detection), z = 1.0, 31.0
- Electronics: DAE4 Sn852; Calibrated: 2015-4-27
- Phantom: SAM3; Type: SAM; Serial: TP-1597
- DASY52 52.8.8(1222);

Configuration/d=10mm, Pin=250mW/Area Scan (6x9x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 12.5 W/kg

Configuration/d=10mm, Pin=250mW/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 85.72 V/m; Power Drift = -0.15 dB
Peak SAR (extrapolated) = 19.4 W/kg
SAR(1 g) = 10.5 W/kg; SAR(10 g) = 5.44 W/kg
Maximum value of SAR (measured) = 13.2 W/kg



0 dB = 13.2 W/kg = 11.21 dBW/kg

Date: 2016-3-9

Test Laboratory: HUAWEI SAR/HAC Lab

SystemPerformanceCheck-1900-EX-Body

DUT: Dipole 1900 MHz D1900V2; Type: D1900V2; Serial: D1900V2 - SN:5d091

Communication System: UID 0, CW (0); Frequency: 1900 MHz;Duty Cycle: 1:1
Medium parameters used: f = 1900 MHz; σ = 1.512 S/m; ε_r = 51.112; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY Configuration:

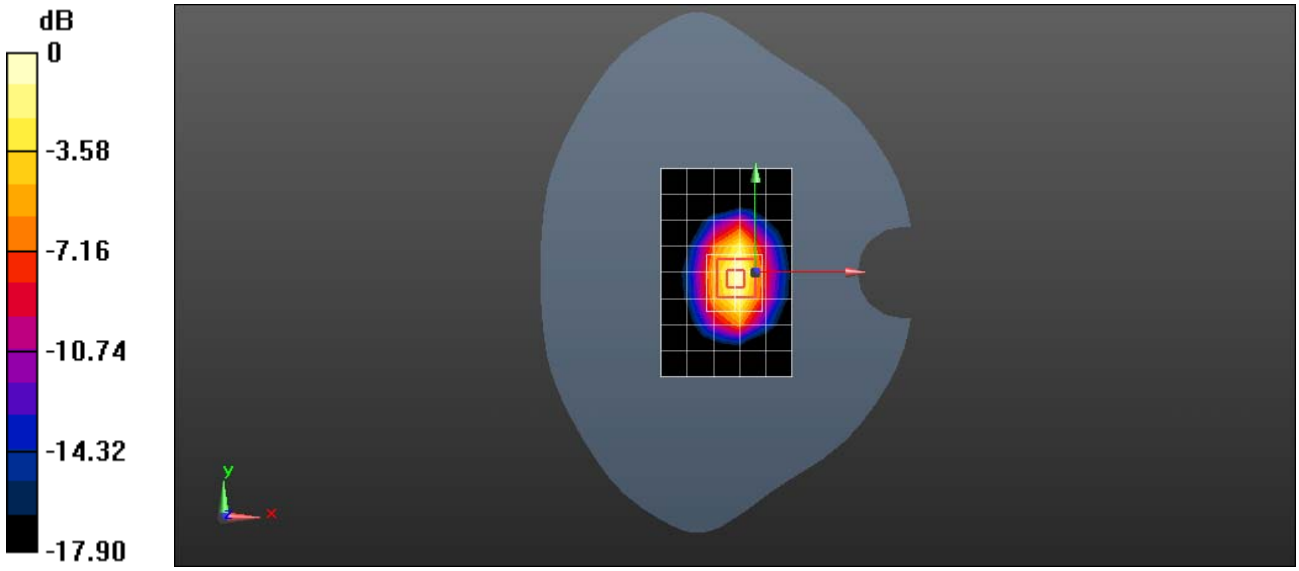
- Probe: EX3DV4 - SN3744; ConvF(7.24, 7.24, 7.24); Calibrated: 2015-7-24;
- Sensor-Surface: 3mm (Mechanical Surface Detection), z = 1.0, 31.0
- Electronics: DAE4 Sn852; Calibrated: 2015-4-27
- Phantom: SAM4; Type: SAM; Serial: TP-1620
- DASY52 52.8.8(1222);

Configuration/d=10mm, Pin=250mW/Area Scan (6x9x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 12.8 W/kg

Configuration/d=10mm, Pin=250mW/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 79.85 V/m; Power Drift = -0.19 dB
Peak SAR (extrapolated) = 19.0 W/kg
SAR(1 g) = 10.7 W/kg; SAR(10 g) = 5.6 W/kg
Maximum value of SAR (measured) = 13.3 W/kg



0 dB = 13.3 W/kg = 11.24 dBW/kg

Date: 2016-3-15

Test Laboratory: HUAWEI SAR/HAC Lab

SystemPerformanceCheck-D1900-ES-Body

DUT: Dipole 1900 MHz D1900V2; Type: D1900V2; Serial: D1900V2 - SN:5d091

Communication System: UID 0, CW (0); Frequency: 1900 MHz;Duty Cycle: 1:1
Medium parameters used: f = 1900 MHz; σ = 1.52 S/m; ε_r = 51.899; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY Configuration:

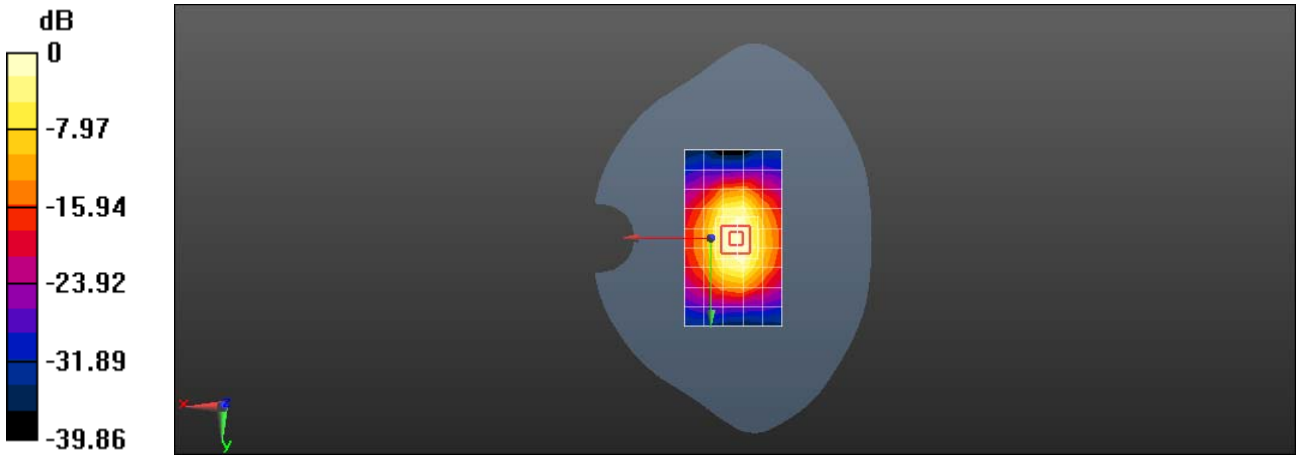
- ¿ Probe: ES3DV3 - SN3168; ConvF(4.74, 4.74, 4.74); Calibrated: 2015-9-28;
- ¿ Sensor-Surface: 3mm (Mechanical Surface Detection), z = 2.0, 32.0
- ¿ Electronics: DAE4 Sn851; Calibrated: 2015-7-20
- ¿ Phantom: SAM1; Type: SAM; Serial: TP-1475
- ¿ DASY52 52.8.8(1222);

Configuration/d=10mm pin=250mW/Area Scan (6x10x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 10.3 W/kg

Configuration/d=10mm pin=250mW/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 89.38 V/m; Power Drift = -0.07 dB
Peak SAR (extrapolated) = 18.4 W/kg
SAR(1 g) = 10.4 W/kg; SAR(10 g) = 5.41 W/kg
Maximum value of SAR (measured) = 13.2 W/kg



0 dB = 10.3 W/kg = 10.13 dBW/kg

Date: 2016-3-11

Test Laboratory: HUAWEI SAR/HAC Lab

SystemPerformanceCheck-D2450-ES-Head

DUT: Dipole 2450 MHz D2450V2; Type: D2450V2; Serial: D2450V2 - SN:860

Communication System: UID 0, CW; Frequency: 2450 MHz;Duty Cycle: 1:1
Medium parameters used: f = 2450 MHz; σ = 1.855 S/m; ε_r = 40.441; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY Configuration:

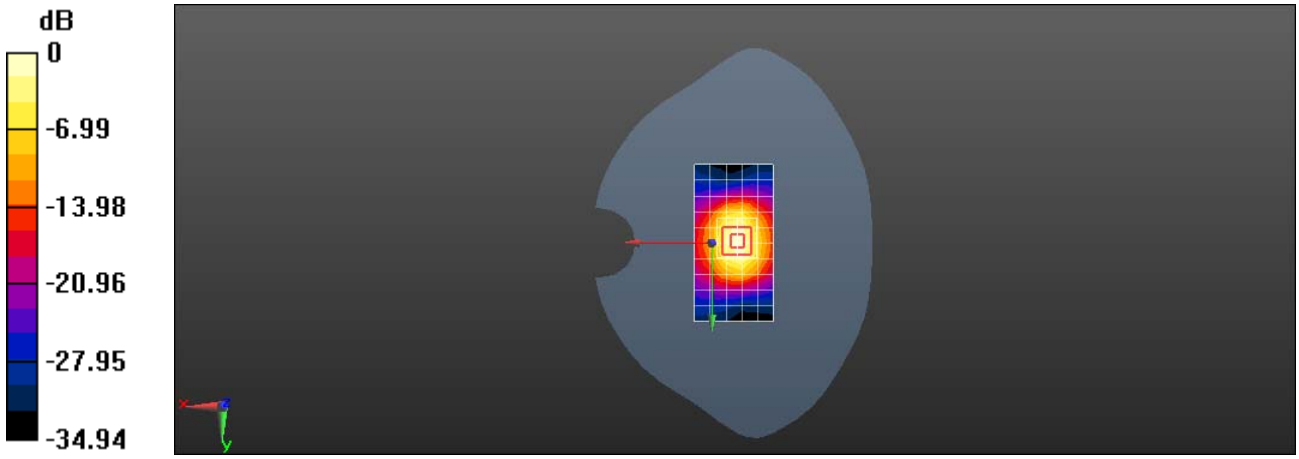
- ¿ Probe: ES3DV3 - SN3168; ConvF(4.55, 4.55, 4.55); Calibrated: 2015-9-28;
- ¿ Sensor-Surface: 3mm (Mechanical Surface Detection), z = 2.0, 32.0
- ¿ Electronics: DAE4 Sn851; Calibrated: 2015-7-20
- ¿ Phantom: SAM2; Type: SAM; Serial: TP:1474
- ¿ DASY52 52.8.8(1222);

Configuration/d=10mm, Pin=250mW/Area Scan (6x11x1): Measurement grid: dx=12mm, dy=12mm

Maximum value of SAR (measured) = 16.0 W/kg

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

Reference Value = 90.57 V/m; Power Drift = 0.06 dB
Peak SAR (extrapolated) = 27.4 W/kg
SAR(1 g) = 13.4 W/kg; SAR(10 g) = 6.2 W/kg
Maximum value of SAR (measured) = 17.6 W/kg



0 dB = 16.0 W/kg = 12.04 dBW/kg

Date: 2016-3-13

Test Laboratory: HUAWEI SAR/HAC Lab

SystemPerformanceCheck-D2450-ES-Body

DUT: Dipole 2450 MHz D2450V2; Type: D2450V2; Serial: D2450V2 - SN:860

Communication System: UID 0, CW; Frequency: 2450 MHz;Duty Cycle: 1:1
Medium parameters used: f = 2450 MHz; σ = 1.995 S/m; ε_r = 51.282; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY Configuration:

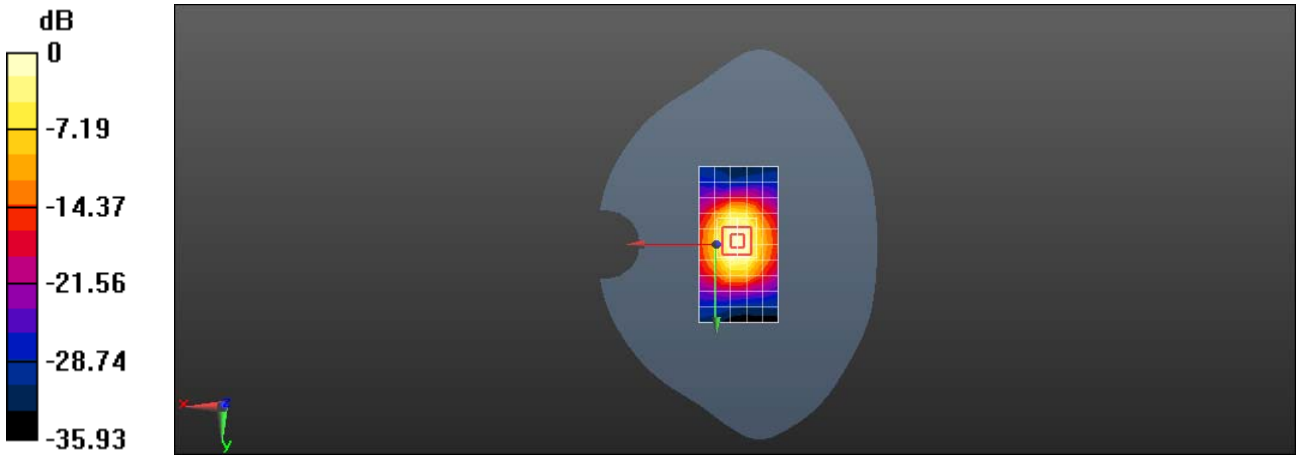
- ¿ Probe: ES3DV3 - SN3168; ConvF(4.35, 4.35, 4.35); Calibrated: 2015-9-28;
- ¿ Sensor-Surface: 3mm (Mechanical Surface Detection), z = 2.0, 32.0
- ¿ Electronics: DAE4 Sn851; Calibrated: 2015-7-20
- ¿ Phantom: SAM1; Type: SAM; Serial: TP-1475
- ¿ DASY52 52.8.8(1222);

Configuration/d=10mm, Pin=250mW/Area Scan (6x11x1): Measurement grid: dx=12mm, dy=12mm

Maximum value of SAR (measured) = 13.5 W/kg

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

Reference Value = 87.63 V/m; Power Drift = -0.09 dB
Peak SAR (extrapolated) = 28.0 W/kg
SAR(1 g) = 13.1 W/kg; SAR(10 g) = 5.92 W/kg
Maximum value of SAR (measured) = 17.3 W/kg



0 dB = 13.5 W/kg = 11.30 dBW/kg

Date: 2016-3-12

Test Laboratory: HUAWEI SAR/HAC Lab

SystemPerformanceCheck-D2600-ES-Head

DUT: Dipole 2600 MHz D2600V2; Type: D2600V2; Serial: D2600V2 - SN:1021

Communication System: UID 0, CW; Frequency: 2600 MHz;Duty Cycle: 1:1
Medium parameters used: f = 2600 MHz; σ = 2 S/m; ε_r = 39.838; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY Configuration:

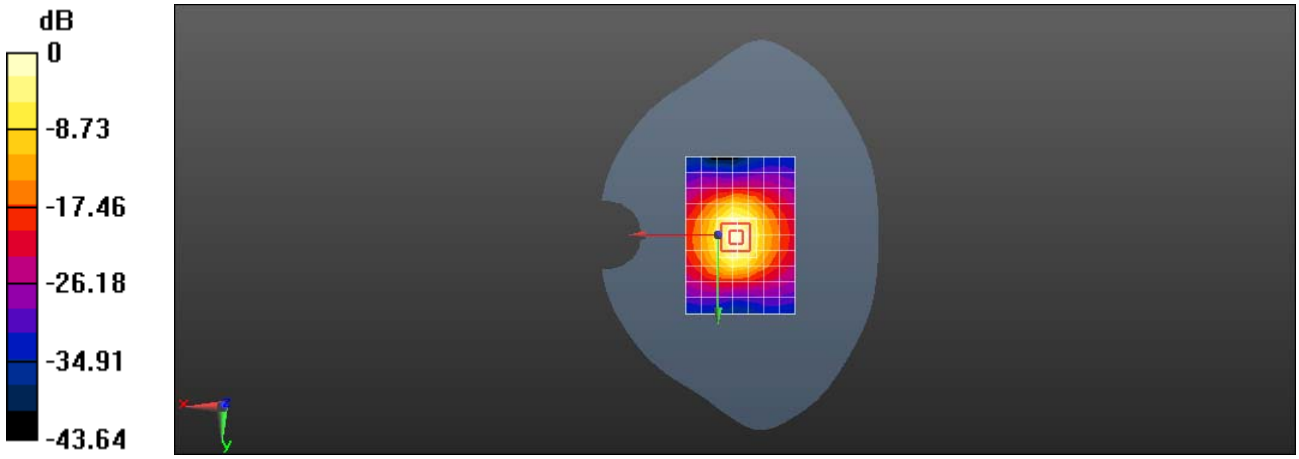
- ¿ Probe: ES3DV3 - SN3168; ConvF(4.48, 4.48, 4.48); Calibrated: 2015-9-28;
- ¿ Sensor-Surface: 3mm (Mechanical Surface Detection), z = 2.0, 32.0
- ¿ Electronics: DAE4 Sn851; Calibrated: 2015-7-20
- ¿ Phantom: SAM2; Type: SAM; Serial: TP:1474
- ¿ DASY52 52.8.8(1222);

Configuration/d=10mm, Pin=250mW/Area Scan (8x11x1): Measurement grid: dx=12mm, dy=12mm

Maximum value of SAR (measured) = 18.2 W/kg

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

Reference Value = 90.53 V/m; Power Drift = -0.08 dB
Peak SAR (extrapolated) = 31.5 W/kg
SAR(1 g) = 14.8 W/kg; SAR(10 g) = 6.56 W/kg
Maximum value of SAR (measured) = 19.8 W/kg



0 dB = 18.2 W/kg = 12.60 dBW/kg

Date: 2016-3-13

Test Laboratory: HUAWEI SAR/HAC Lab

SystemPerformanceCheck-D2600-ES-Body

DUT: Dipole 2600 MHz D2600V2; Type: D2600V2; Serial: D2600V2 - SN:1021

Communication System: UID 0, CW; Frequency: 2600 MHz;Duty Cycle: 1:1
Medium parameters used: f = 2600 MHz; σ = 2.228 S/m; ε_r = 50.791; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY Configuration:

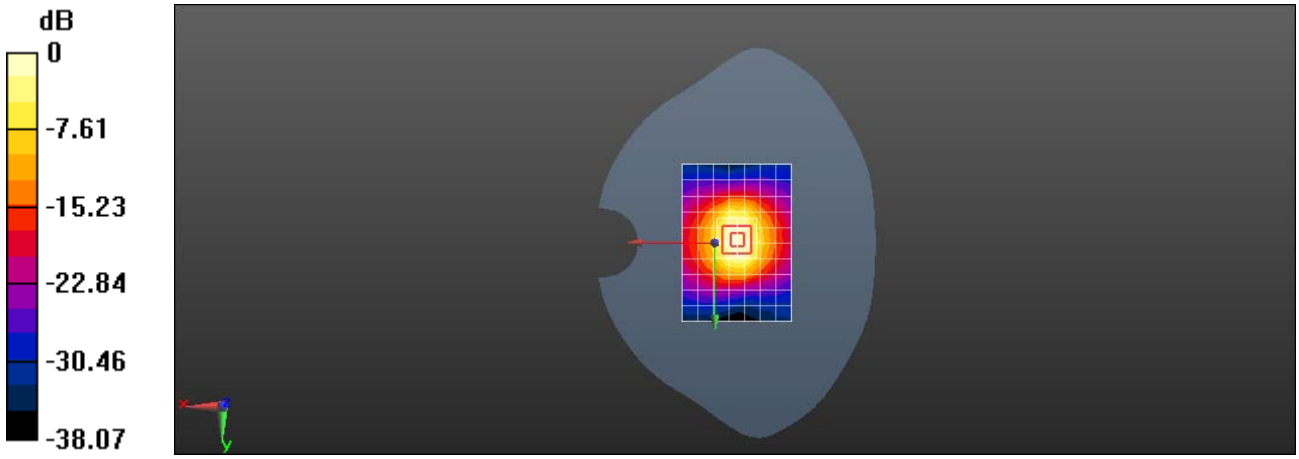
- ¿ Probe: ES3DV3 - SN3168; ConvF(4.23, 4.23, 4.23); Calibrated: 2015-9-28;
- ¿ Sensor-Surface: 3mm (Mechanical Surface Detection), z = 2.0, 32.0
- ¿ Electronics: DAE4 Sn851; Calibrated: 2015-7-20
- ¿ Phantom: SAM1; Type: SAM; Serial: TP-1475
- ¿ DASY52 52.8.8(1222);

Configuration/d=10mm, Pin=250mW/Area Scan (8x11x1): Measurement grid: dx=12mm, dy=12mm

Maximum value of SAR (measured) = 14.5 W/kg

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

Reference Value = 88.13 V/m; Power Drift = -0.02 dB
Peak SAR (extrapolated) = 32.7 W/kg
SAR(1 g) = 14.8 W/kg; SAR(10 g) = 6.52 W/kg
Maximum value of SAR (measured) = 19.9 W/kg



0 dB = 14.5 W/kg = 11.61 dBW/kg