Appendix A. System Check Plots

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Date: 2016-7-16

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 = 0.894 S/m; ε_r = 42.163; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY Configuration:

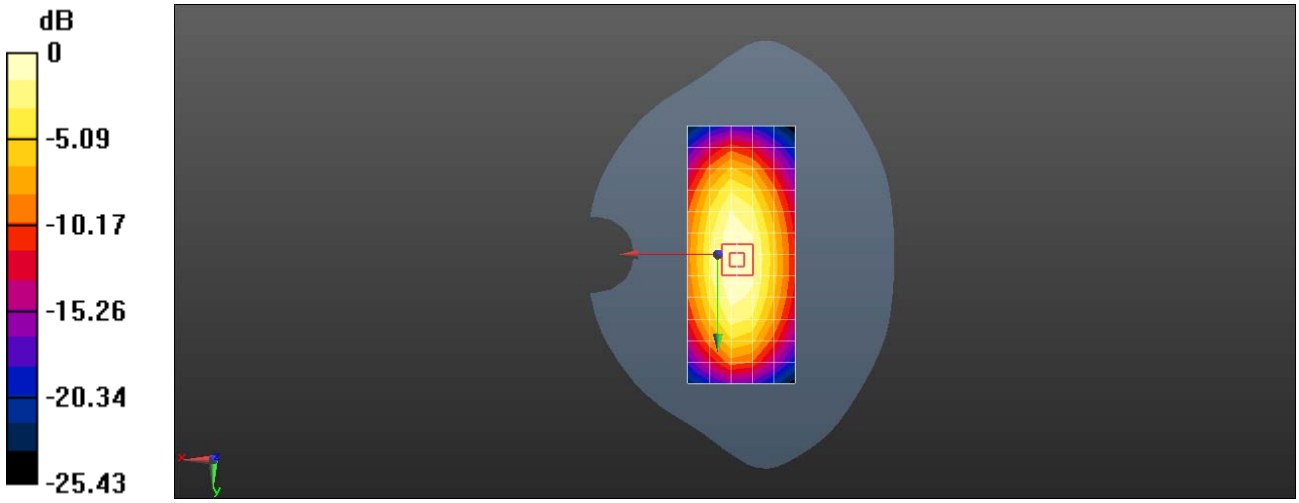
- ¿ Probe: ES3DV3 - SN3168; ConvF(6.32, 6.32, 6.32); Calibrated: 2015-9-28;
- ¿ Sensor-Surface: 3mm (Mechanical Surface Detection), z = 2.0, 32.0
- ¿ Electronics: DAE4 Sn852; Calibrated: 2016-4-20
- ¿ Phantom: SAM1; Type: SAM; Serial: TP-1475
- ¿ DASY52 52.8.8(1222);

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

Maximum value of SAR (measured) = 2.53 W/kg

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

Reference Value = 52.03 V/m; Power Drift = -0.11 dB
Peak SAR (extrapolated) = 3.38 W/kg
SAR(1 g) = 2.27 W/kg; SAR(10 g) = 1.47 W/kg
Maximum value of SAR (measured) = 2.67 W/kg



0 dB = 2.53 W/kg = 4.03 dBW/kg

Date: 2016-7-20

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 = 0.997 S/m; ε_r = 53.73; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY Configuration:

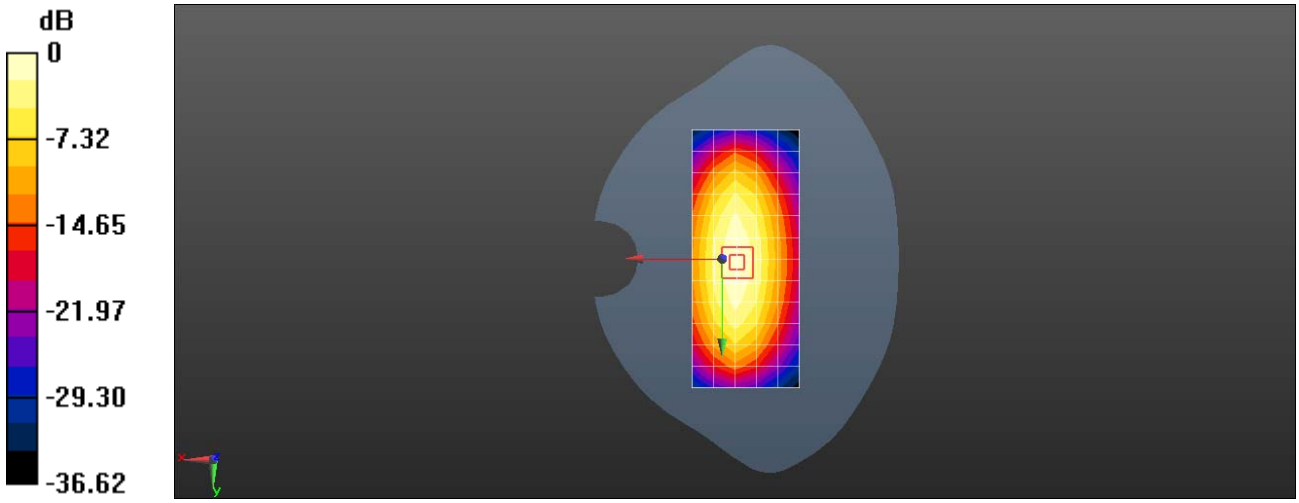
- ¿ Probe: ES3DV3 - SN3168; ConvF(6.24, 6.24, 6.24); Calibrated: 2015-9-28;
- ¿ Sensor-Surface: 3mm (Mechanical Surface Detection), z = 2.0, 32.0
- ¿ Electronics: DAE4 Sn852; Calibrated: 2016-4-20
- ¿ Phantom: SAM2; Type: SAM; Serial: TP:1474
- ¿ DASY52 52.8.8(1222);

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

Maximum value of SAR (measured) = 2.79 W/kg

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

Reference Value = 26.86 V/m; Power Drift = 0.04 dB
Peak SAR (extrapolated) = 3.51 W/kg
SAR(1 g) = 2.41 W/kg; SAR(10 g) = 1.57 W/kg
Maximum value of SAR (measured) = 2.82 W/kg



0 dB = 2.79 W/kg = 4.46 dBW/kg

Date: 2016-7-22

Test Laboratory: HUAWEI SAR/HAC Lab

SystemPerformanceCheck-D1900-ES-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 = 1.387 S/m; ε_r = 39.781; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY Configuration:

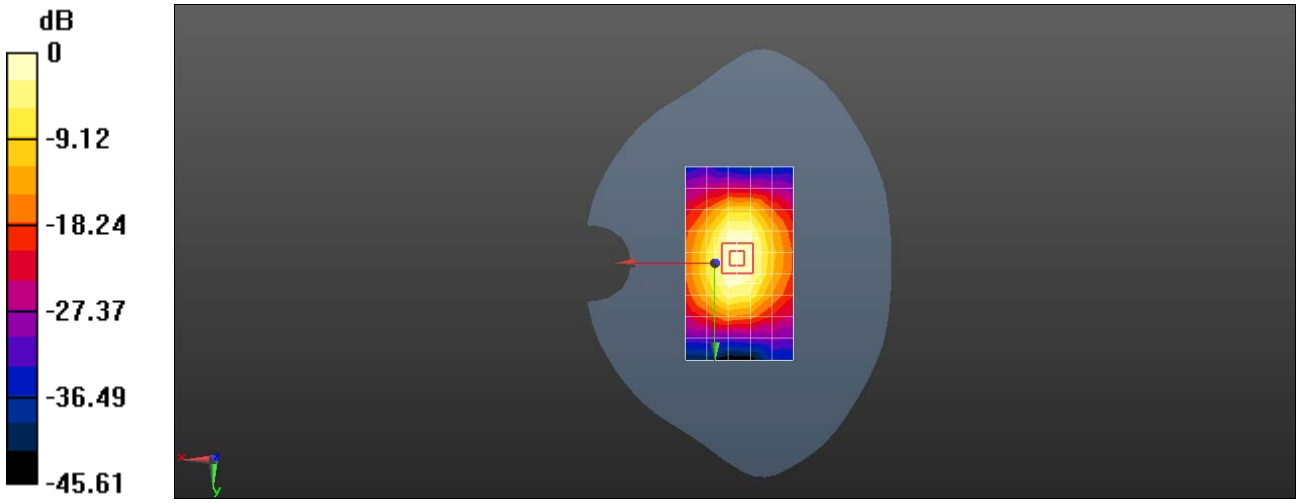
- Probe: ES3DV3 - SN3168; ConvF(5.13, 5.13, 5.13); Calibrated: 2015-9-28;
- Sensor-Surface: 3mm (Mechanical Surface Detection), z = 2.0, 32.0
- Electronics: DAE4 Sn852; Calibrated: 2016-4-20
- Phantom: SAM1; Type: SAM; Serial: TP-1475
- DASY52 52.8.8(1222);

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

Maximum value of SAR (measured) = 9.69 W/kg

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

Reference Value = 92.19 V/m; Power Drift = -0.08 dB
Peak SAR (extrapolated) = 18.6 W/kg
SAR(1 g) = 10.5 W/kg; SAR(10 g) = 5.55 W/kg
Maximum value of SAR (measured) = 13.2 W/kg



0 dB = 9.69 W/kg = 9.86 dBW/kg

Date: 2016-7-15

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 = 1.556 S/m; ε_r = 52.322; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY Configuration:

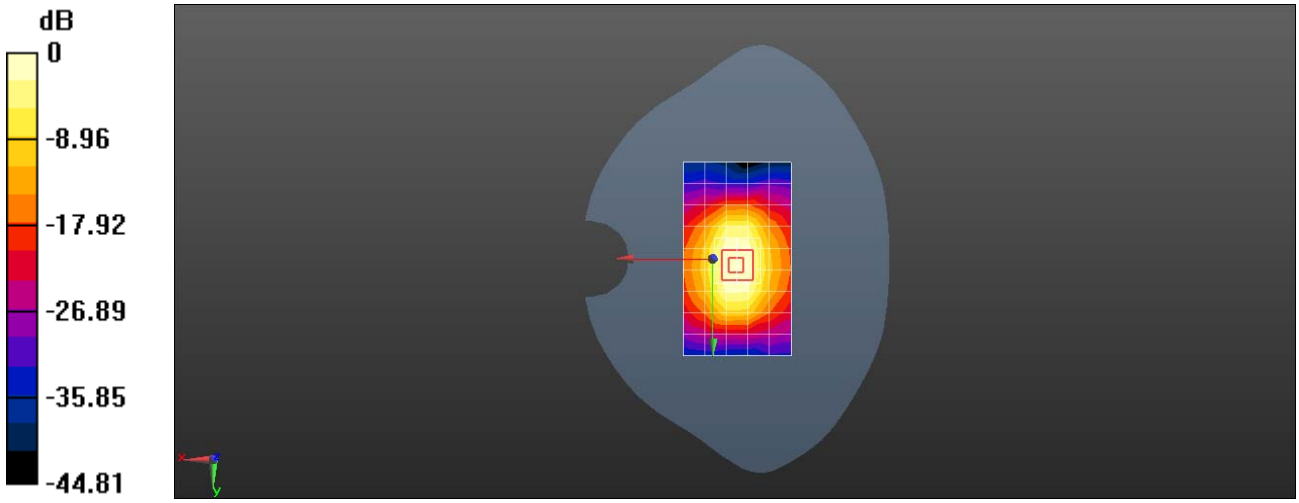
- Probe: ES3DV3 - SN3168; ConvF(4.74, 4.74, 4.74); Calibrated: 2015-9-28;
- Sensor-Surface: 3mm (Mechanical Surface Detection), z = 2.0, 32.0
- Electronics: DAE4 Sn852; Calibrated: 2016-4-20
- Phantom: SAM2; Type: SAM; Serial: TP:1474
- DASY52 52.8.8(1222);

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

Maximum value of SAR (measured) = 9.33 W/kg

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

Reference Value = 91.51 V/m; Power Drift = -0.10 dB
Peak SAR (extrapolated) = 19.1 W/kg
SAR(1 g) = 10.9 W/kg; SAR(10 g) = 5.67 W/kg
Maximum value of SAR (measured) = 13.7 W/kg



0 dB = 9.33 W/kg = 9.70 dBW/kg

Date: 2016-7-28

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 = 1.848 S/m; ε_r = 40.362; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY Configuration:

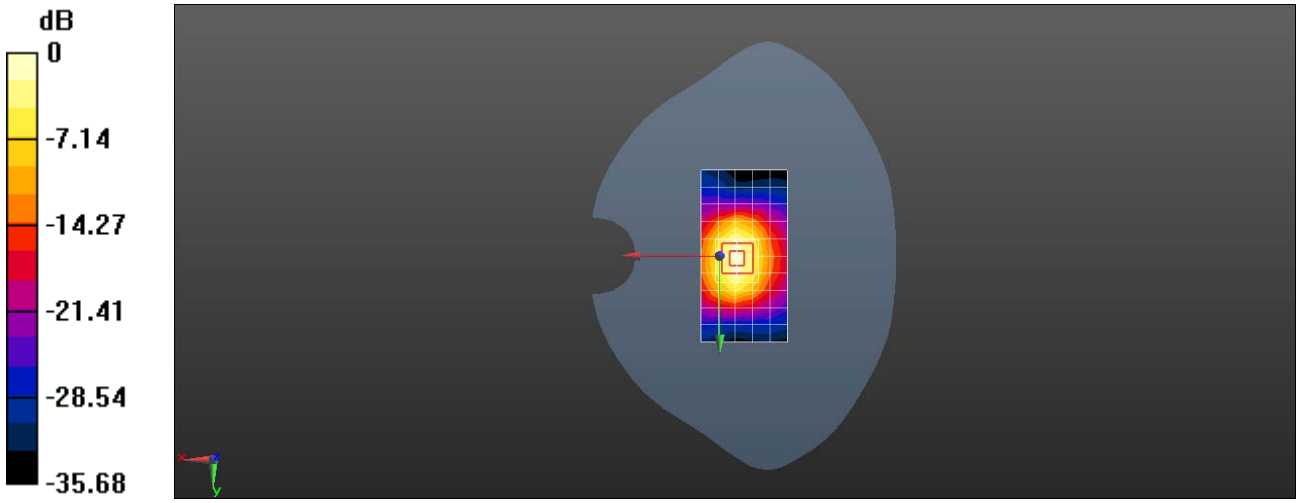
- ¿ Probe: ES3DV3 - SN3168; ConvF(4.55, 4.55, 4.55); Calibrated: 2015-9-28;
- ¿ Sensor-Surface: 3mm (Mechanical Surface Detection), z = 2.0, 32.0
- ¿ Electronics: DAE4 Sn852; Calibrated: 2016-4-20
- ¿ Phantom: SAM1; Type: SAM; Serial: TP-1475
- ¿ DASY52 52.8.8(1222);

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

Maximum value of SAR (measured) = 17.4 W/kg

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

Reference Value = 84.64 V/m; Power Drift = -0.05 dB
Peak SAR (extrapolated) = 27.0 W/kg
SAR(1 g) = 13.4 W/kg; SAR(10 g) = 6.26 W/kg
Maximum value of SAR (measured) = 17.5 W/kg



0 dB = 17.4 W/kg = 12.41 dBW/kg

Date: 2016-7-19

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 = 1.952 S/m; ε_r = 53.436; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY Configuration:

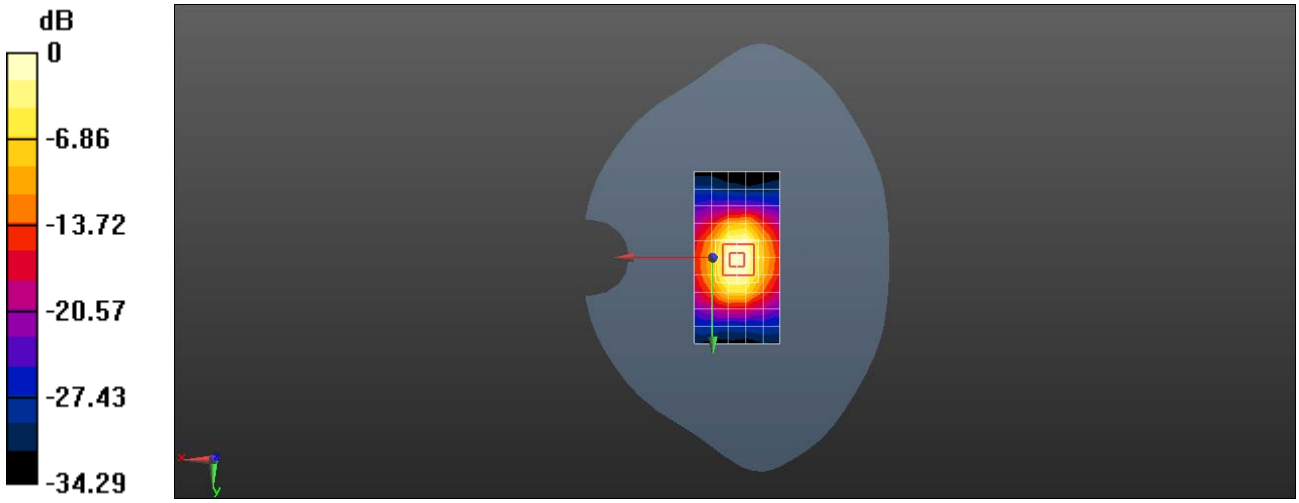
- ¿ Probe: ES3DV3 - SN3168; ConvF(4.35, 4.35, 4.35); Calibrated: 2015-9-28;
- ¿ Sensor-Surface: 3mm (Mechanical Surface Detection), z = 2.0, 32.0
- ¿ Electronics: DAE4 Sn852; Calibrated: 2016-4-20
- ¿ Phantom: SAM2; Type: SAM; Serial: TP:1474
- ¿ DASY52 52.8.8(1222);

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

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

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

Reference Value = 91.06 V/m; Power Drift = -0.07 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) = 17.7 W/kg



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

Date: 2016-7-29

Test Laboratory: HUAWEI SAR/HAC Lab

SystemPerformanceCheck-D2600-ES-Head

DUT: Dipole 2600 MHz D2600V2; Type: D2600V2; Serial: D2600V2 - SN:1058

Communication System: UID 0, CW; Frequency: 2600 MHz;Duty Cycle: 1:1
Medium parameters used: f = 2600 MHz; σ = 2.032 S/m; ε_r = 39.248; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY Configuration:

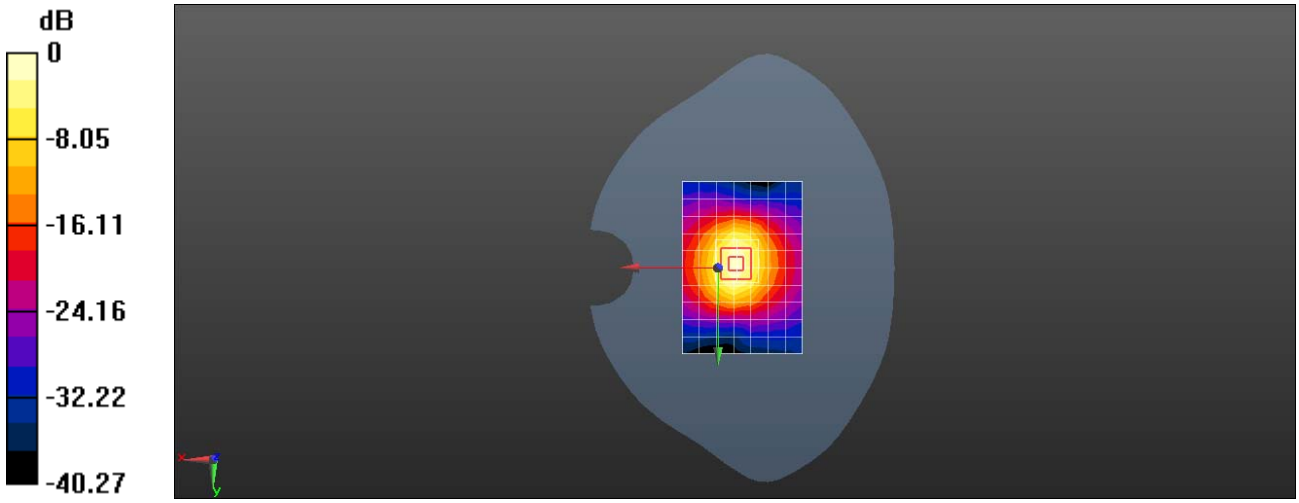
- ¿ Probe: ES3DV3 - SN3168; ConvF(4.48, 4.48, 4.48); Calibrated: 2015-9-28;
- ¿ Sensor-Surface: 3mm (Mechanical Surface Detection), z = 2.0, 32.0
- ¿ Electronics: DAE4 Sn852; Calibrated: 2016-4-20
- ¿ Phantom: SAM1; Type: SAM; Serial: TP-1475
- ¿ DASY52 52.8.8(1222);

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

Maximum value of SAR (measured) = 17.8 W/kg

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

Reference Value = 83.25 V/m; Power Drift = -0.06 dB
Peak SAR (extrapolated) = 29.2 W/kg
SAR(1 g) = 13.8 W/kg; SAR(10 g) = 6.21 W/kg
Maximum value of SAR (measured) = 18.3 W/kg



0 dB = 17.8 W/kg = 12.50 dBW/kg

Date: 2016-7-23

Test Laboratory: HUAWEI SAR/HAC Lab

SystemPerformanceCheck-D2600-ES-Body

DUT: Dipole 2600 MHz D2600V2; Type: D2600V2; Serial: D2600V2 - SN:1058

Communication System: UID 0, CW; Frequency: 2600 MHz;Duty Cycle: 1:1
Medium parameters used: f = 2600 MHz; σ = 2.149 S/m; ε_r = 52.636; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY Configuration:

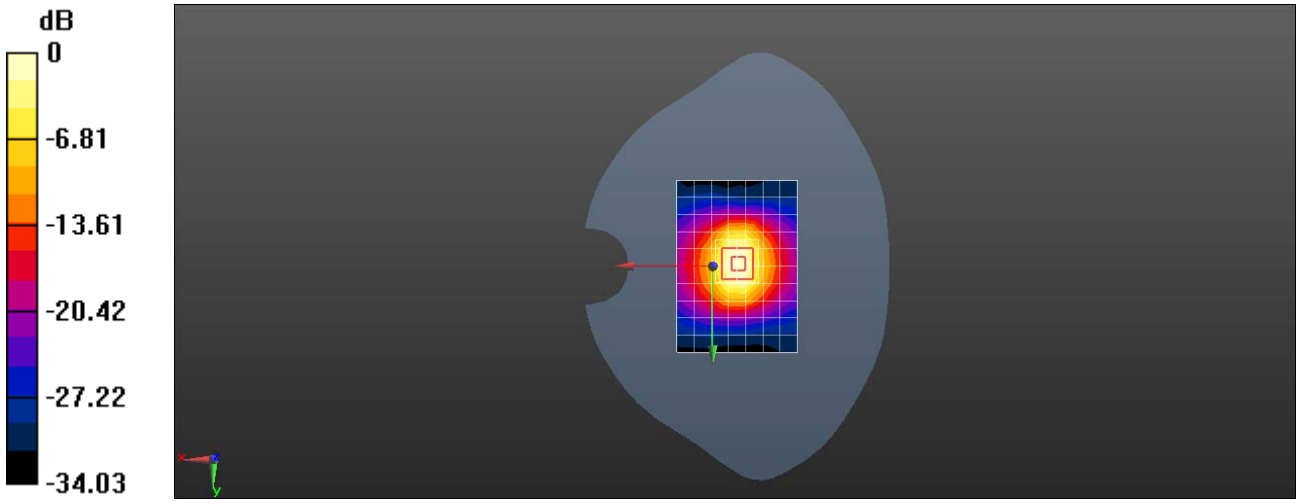
- ¿ Probe: ES3DV3 - SN3168; ConvF(4.23, 4.23, 4.23); Calibrated: 2015-9-28;
- ¿ Sensor-Surface: 3mm (Mechanical Surface Detection), z = 2.0, 32.0
- ¿ Electronics: DAE4 Sn852; Calibrated: 2016-4-20
- ¿ Phantom: SAM1; Type: SAM; Serial: TP-1475
- ¿ DASY52 52.8.8(1222);

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

Maximum value of SAR (measured) = 14.7 W/kg

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

Reference Value = 89.46 V/m; Power Drift = 0.01 dB
Peak SAR (extrapolated) = 31.6 W/kg
SAR(1 g) = 14.5 W/kg; SAR(10 g) = 6.46 W/kg
Maximum value of SAR (measured) = 19.5 W/kg



0 dB = 14.7 W/kg = 11.67 dBW/kg

Date: 2016-7-30

Test Laboratory: HUAWEI SAR/HAC Lab

SystemPerformanceCheck-D2600-ES-Body

DUT: Dipole 2600 MHz D2600V2; Type: D2600V2; Serial: D2600V2 - SN:1058

Communication System: UID 0, CW; Frequency: 2600 MHz;Duty Cycle: 1:1
Medium parameters used: f = 2600 MHz; σ = 2.144 S/m; ε_r = 50.655; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY Configuration:

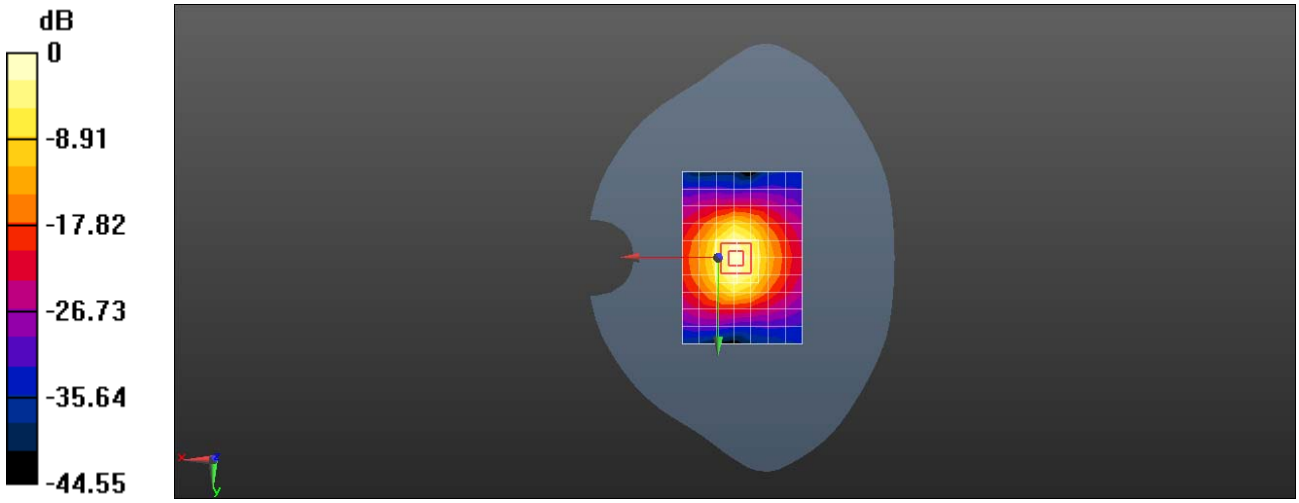
- ¿ Probe: ES3DV3 - SN3168; ConvF(4.23, 4.23, 4.23); Calibrated: 2015-9-28;
- ¿ Sensor-Surface: 3mm (Mechanical Surface Detection), z = 2.0, 32.0
- ¿ Electronics: DAE4 Sn852; Calibrated: 2016-4-20
- ¿ Phantom: SAM1; Type: SAM; Serial: TP-1475
- ¿ DASY52 52.8.8(1222);

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

Maximum value of SAR (measured) = 18.8 W/kg

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

Reference Value = 82.97 V/m; Power Drift = -0.17 dB
Peak SAR (extrapolated) = 30.9 W/kg
SAR(1 g) = 14.4 W/kg; SAR(10 g) = 6.42 W/kg
Maximum value of SAR (measured) = 19.2 W/kg



0 dB = 18.8 W/kg = 12.74 dBW/kg