Appendix A. System Check Plots

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Date/Time: 4/27/2012 12:06:09

Test Laboratory: HUAWEI SAR Lab

SystemPerformanceCheck-D835-ES-Head

DUT: Dipole 835 MHz D835V2; Type: D835V2; Serial: D835V2 - SN:4d126

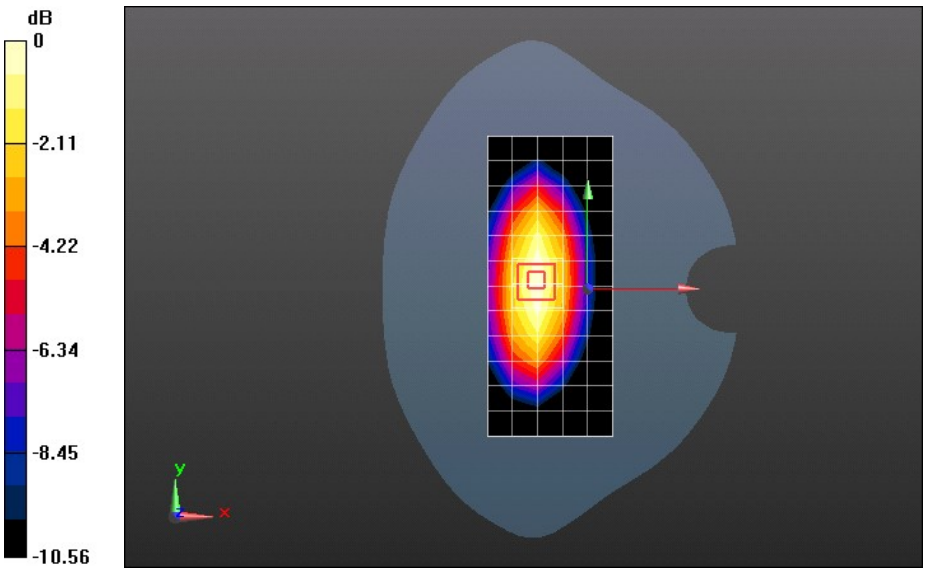
Communication System: CW; Frequency: 835 MHz
Medium parameters used: f = 835 MHz; σ = 0.918 mho/m; ε_r = 41.41; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY Configuration:

- Probe: ES3DV3 - SN3168; ConvF(6.07, 6.07, 6.07); Calibrated: 9/27/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection), z = 2.0, 32.0
- Electronics: DAE4 Sn1236; Calibrated: 3/28/2012
- Phantom: SAM1; Type: SAM; Serial: TP-1475
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

Configuration/d=15mm,pin=250mW/Area Scan (6x13x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 2.691 mW/g

Configuration/d=15mm,pin=250mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 43.548 V/m; Power Drift = 0.09 dB
Peak SAR (extrapolated) = 3.6530
SAR(1 g) = 2.5 mW/g; SAR(10 g) = 1.64 mW/g



0 dB = 2.690mW/g = 8.60 dB mW/g

Date/Time: 4/26/2012 21:19:10

Test Laboratory: HUAWEI SAR Lab

SystemPerformanceCheck-D835-ES-Body

DUT: Dipole 835 MHz D835V2; Type: D835V2; Serial: D835V2 - SN:4d126

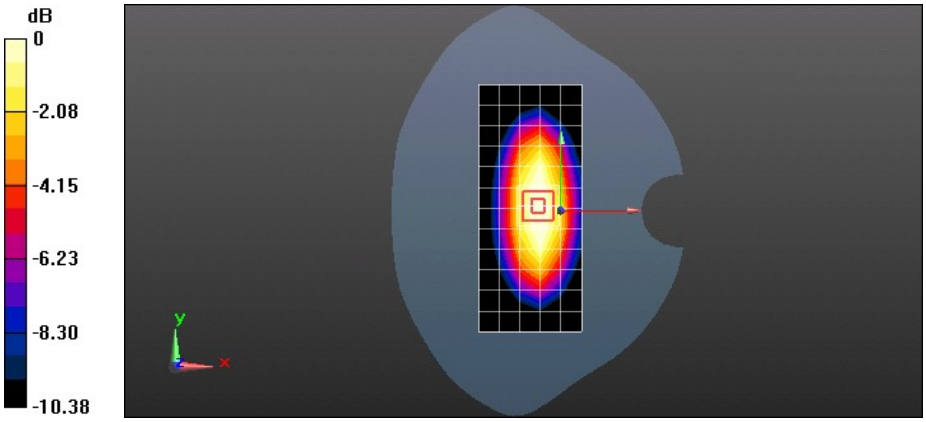
Communication System: CW; Frequency: 835 MHz
Medium parameters used: f = 835 MHz; σ = 0.988 mho/m; ε_r = 56.611; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY Configuration:

- Probe: ES3DV3 - SN3168; ConvF(6.11, 6.11, 6.11); Calibrated: 9/27/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection), z = 2.0, 32.0
- Electronics: DAE4 Sn1236; Calibrated: 3/28/2012
- Phantom: SAM 2; Type: SAM; Serial: TP-1474
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

Configuration/d=15mm,pin=250mW/Area Scan (6x13x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 2.831 mW/g

Configuration/d=15mm,pin=250mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 53.988 V/m; Power Drift = -0.12 dB
Peak SAR (extrapolated) = 3.4590
SAR(1 g) = 2.45 mW/g; SAR(10 g) = 1.58 mW/g
Maximum value of SAR (measured) = 2.473 mW/g



0 dB = 2.470mW/g = 7.85 dB mW/g

Date/Time: 4/29/2012 23:34:26

Test Laboratory: HUAWEI SAR Lab

SystemPerformanceCheck-D1900-ES-Head

DUT: Dipole 1900 MHz; Type: D1900V2; Serial: D1900V2 - SN:5d143

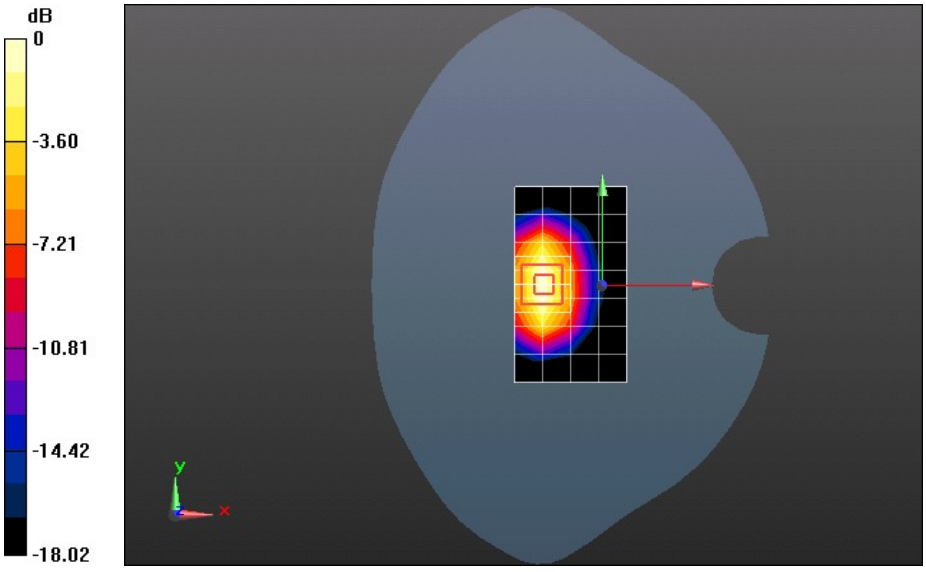
Communication System: CW; Frequency: 1900 MHz
Medium parameters used: f = 1900 MHz; σ = 1.422 mho/m; ε_r = 39.769; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY Configuration:

- Probe: ES3DV3 - SN3168; ConvF(5.1, 5.1, 5.1); Calibrated: 9/27/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection), z = 2.0, 32.0
- Electronics: DAE4 Sn1236; Calibrated: 3/28/2012
- Phantom: SAM1; Type: SAM; Serial: TP-1475
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

Configuration/d=10mm, Pin=250mW/Area Scan (5x8x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 10.404 mW/g

Configuration/d=10mm, Pin=250mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 49.741 V/m; Power Drift = -0.11 dB
Peak SAR (extrapolated) = 19.0190
SAR(1 g) = 9.92 mW/g; SAR(10 g) = 5.06 mW/g
Maximum value of SAR (measured) = 11.204 mW/g



0 dB = 11.200mW/g = 20.98 dB mW/g

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Test Laboratory: HUAWEI SAR Lab

SystemPerformanceCheck-D1900-ES-Body

DUT: Dipole 1900 MHz; Type: D1900V2; Serial: D1900V2 - SN:5d143

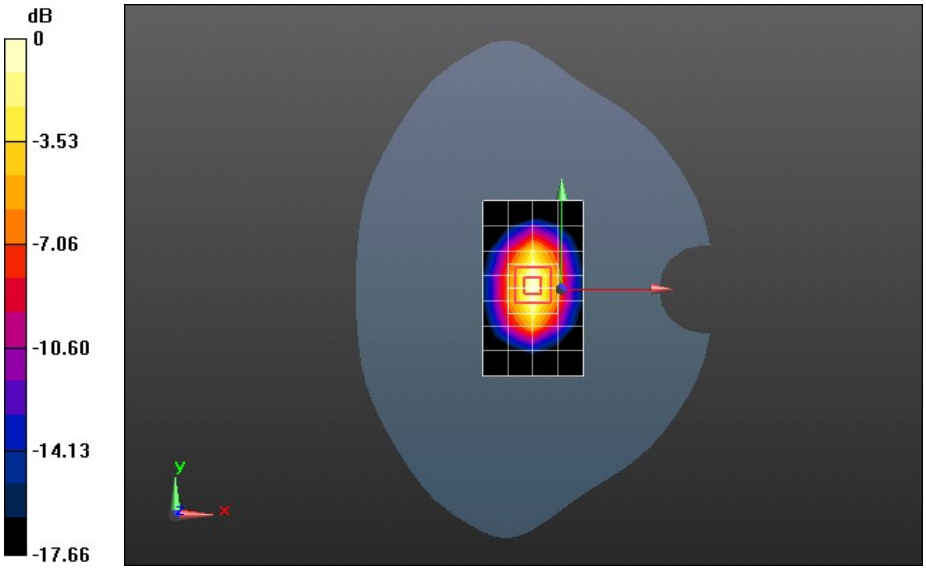
Communication System: CW; Frequency: 1900 MHz
Medium parameters used: f = 1900 MHz; σ = 1.536 mho/m; ε_r = 52.954; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY Configuration:

- Probe: ES3DV3 - SN3168; ConvF(4.61, 4.61, 4.61); Calibrated: 9/27/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection), z = 2.0, 32.0
- Electronics: DAE4 Sn1236; Calibrated: 3/28/2012
- Phantom: SAM 2; Type: SAM; Serial: TP-1474
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

Configuration/d=10mm, Pin=250mW/Area Scan (5x8x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 11.339 mW/g

Configuration/d=10mm, Pin=250mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 89.890 V/m; Power Drift = -0.05 dB
Peak SAR (extrapolated) = 19.3900
SAR(1 g) = 10.5 mW/g; SAR(10 g) = 5.4 mW/g
Maximum value of SAR (measured) = 11.917 mW/g



0 dB = 11.920mW/g = 21.53 dB mW/g

Date/Time: 4/30/2012 3:02:43

Test Laboratory: HUAWEI SAR Lab

SystemPerformanceCheck-D2450-ES-Head

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

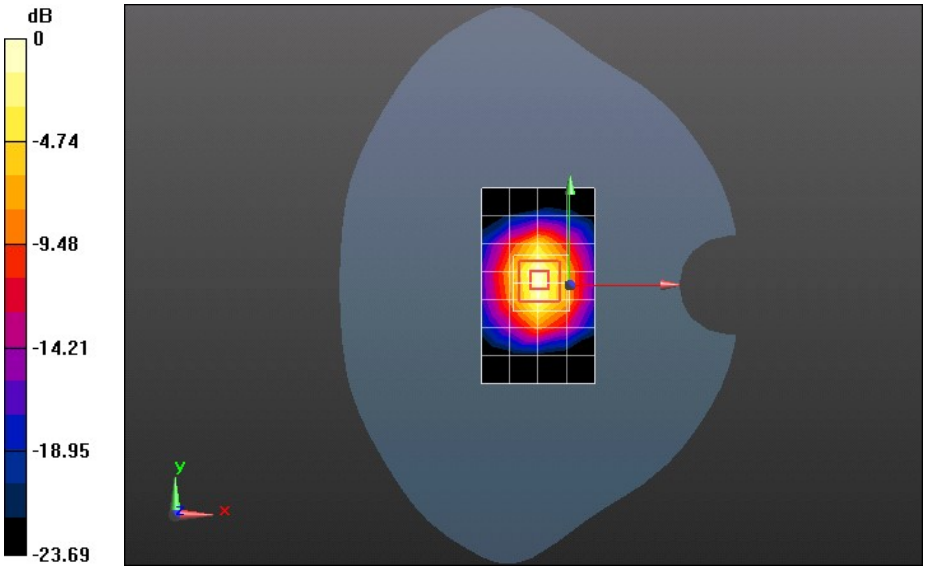
Communication System: CW; Frequency: 2450 MHz
Medium parameters used: f = 2450 MHz; σ = 1.853 mho/m; ε_r = 37.696; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY Configuration:

- Probe: ES3DV3 - SN3168; ConvF(4.4, 4.4, 4.4); Calibrated: 9/27/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection), z = 2.0, 32.0
- Electronics: DAE4 Sn1236; Calibrated: 3/28/2012
- Phantom: SAM 2; Type: SAM; Serial: TP-1474
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

Configuration/d=10mm, Pin=250mW/Area Scan (5x8x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 14.374 mW/g

Configuration/d=10mm, Pin=250mW/Zoom Scan (7x7x7) (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 91.817 V/m; Power Drift = 0.008 dB
Peak SAR (extrapolated) = 30.2670
SAR(1 g) = 13.8 mW/g; SAR(10 g) = 6.18 mW/g
Maximum value of SAR (measured) = 15.531 mW/g



0 dB = 15.530mW/g = 23.82 dB mW/g

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Test Laboratory: HUAWEI SAR Lab

SystemPerformanceCheck-D2450-ES-Body

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

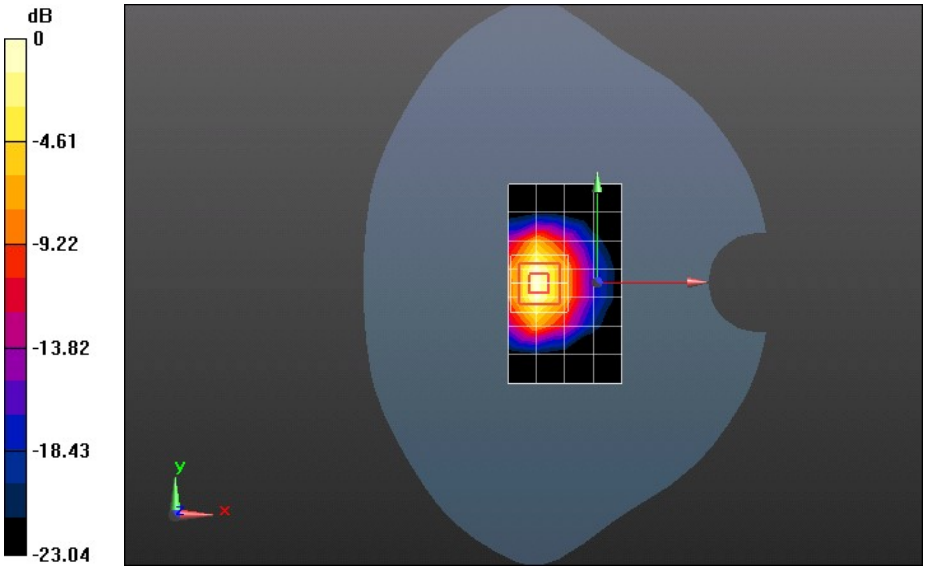
Communication System: CW; Frequency: 2450 MHz
Medium parameters used: f = 2450 MHz; σ = 1.977 mho/m; ε_r = 52.28; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY Configuration:

- Probe: ES3DV3 - SN3168; ConvF(4.19, 4.19, 4.19); Calibrated: 9/27/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection), z = 2.0, 32.0
- Electronics: DAE4 Sn1236; Calibrated: 3/28/2012
- Phantom: SAM1; Type: SAM; Serial: TP-1475
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

Configuration/d=10mm, Pin=250mW/Area Scan (5x8x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 13.661 mW/g

Configuration/d=10mm, Pin=250mW/Zoom Scan (7x7x7) (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 44.821 V/m; Power Drift = -0.16 dB
Peak SAR (extrapolated) = 31.2670
SAR(1 g) = 13.8 mW/g; SAR(10 g) = 6.11 mW/g
Maximum value of SAR (measured) = 15.850 mW/g



0 dB = 15.850mW/g = 24.00 dB mW/g