Appendix B. SAR Measurement Plots

Table of contents
GSM850 Head
GSM850 Body
GSM1900 Head
GSM1900 Body
UMTS Band V Head
UMTS Band V Body
UMTS Band II Head
UMTS Band II Body

Test Laboratory: HUAWEI SAR/HAC Lab

U5760 GSM850 251CH Right hand touch cheek

DUT: HUAWEI U5760, U5760; Type: UMTS Mobile Phone; Serial: SAR1

Communication System: UID 0, HW-GSM\GPRS\EGPRS-1TS (0); Frequency: 848.8 MHz;Duty Cycle: 1:8.30042

Medium parameters used: f = 849 MHz; σ = 0.905 S/m; ε_r = 40.819; ρ = 1000 kg/m^3

Phantom section: Right Section

DASY Configuration:

- Probe: EX3DV4 - SN3898; ConvF(10.32, 10.32, 10.32); Calibrated: 2014-3-10;
- Sensor-Surface: 3mm (Mechanical Surface Detection), z = 1.0, 31.0
- Electronics: DAE4 Sn852; Calibrated: 2014-4-30
- Phantom: SAM4; Type: SAM; Serial: TP-1620
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

Configuration/Head/Area Scan (6x10x1): Measurement grid: dx=15mm, dy=15mm
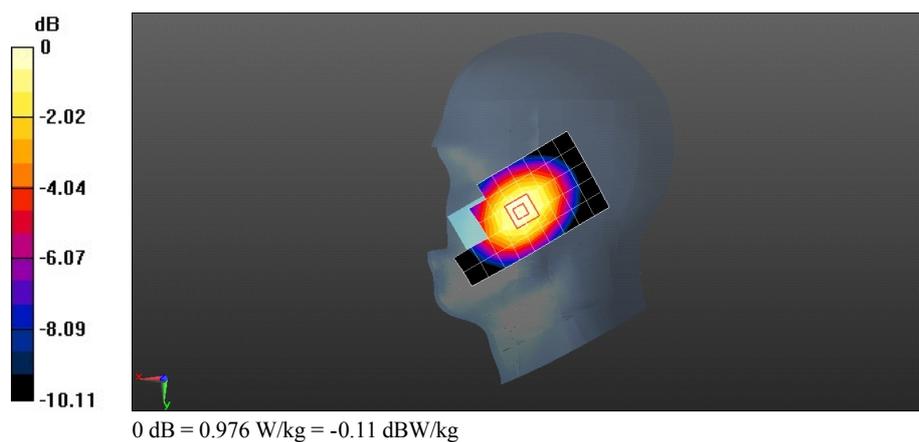
Maximum value of SAR (measured) = 0.933 W/kg

Configuration/Head/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 12.25 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 1.13 W/kg

SAR(1 g) = 0.878 W/kg; SAR(10 g) = 0.646 W/kg

Maximum value of SAR (measured) = 0.976 W/kg

0 dB = 0.976 W/kg = -0.11 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

U5760 GSM850 251CH Back Side 15mm with battery 2#

DUT: HUAWEI U5760, U5760; Type: UMTS Mobile Phone; Serial: SAR1

Communication System: UID 0, HW-GSM\GPRS\EGPRS-1TS (0); Frequency: 848.8 MHz;Duty Cycle: 1:8.30042

Medium parameters used: f = 849 MHz; σ = 0.957 S/m; $ε_r$ = 53.071; ρ = 1000 kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3898; ConvF(10.18, 10.18, 10.18); Calibrated: 2014-3-10;
- Sensor-Surface: 3mm (Mechanical Surface Detection), z = 1.0, 31.0
- Electronics: DAE4 Sn852; Calibrated: 2014-4-30
- Phantom: SAM4; Type: SAM; Serial: TP-1620
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

Configuration/Body/Area Scan (6x10x1): Measurement grid: dx=15mm, dy=15mm
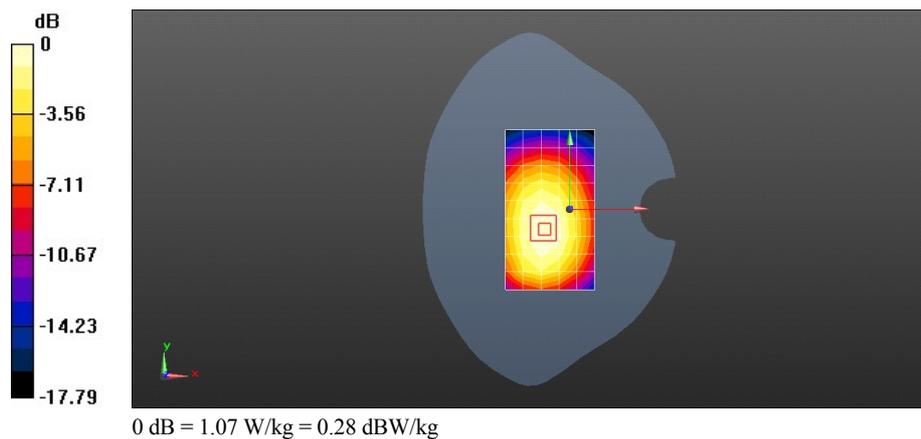
Maximum value of SAR (measured) = 1.07 W/kg

Configuration/Body/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 30.18 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 1.28 W/kg

SAR(1 g) = 0.973 W/kg; SAR(10 g) = 0.699 W/kg

Maximum value of SAR (measured) = 1.09 W/kg

0 dB = 1.07 W/kg = 0.28 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

U5760 GSM1900 512CH Right hand touch cheek with battery 2#

DUT: HUAWEI U5760, U5760; Type: UMTS Mobile Phone; Serial: SAR1

Communication System: UID 0, HW-GSM\GPRS\EGPRS-1TS (0); Frequency: 1850.2 MHz;Duty Cycle: 1:8.30042
Medium parameters used (interpolated): f = 1850.2 MHz; σ = 1.39 S/m; ε_r = 41.036; ρ = 1000 kg/m^3
Phantom section: Right Section

DASY Configuration:

- Probe: EX3DV4 - SN3898; ConvF(8.2, 8.2, 8.2); Calibrated: 2014-3-10;
- Sensor-Surface: 3mm (Mechanical Surface Detection), z = 1.0, 31.0
- Electronics: DAE4 Sn852; Calibrated: 2014-4-30
- Phantom: SAM3; Type: SAM; Serial: TP-1597
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

Configuration/Head/Area Scan (7x11x1): Measurement grid: dx=15mm, dy=15mm

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.476 W/kg

Configuration/Head/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
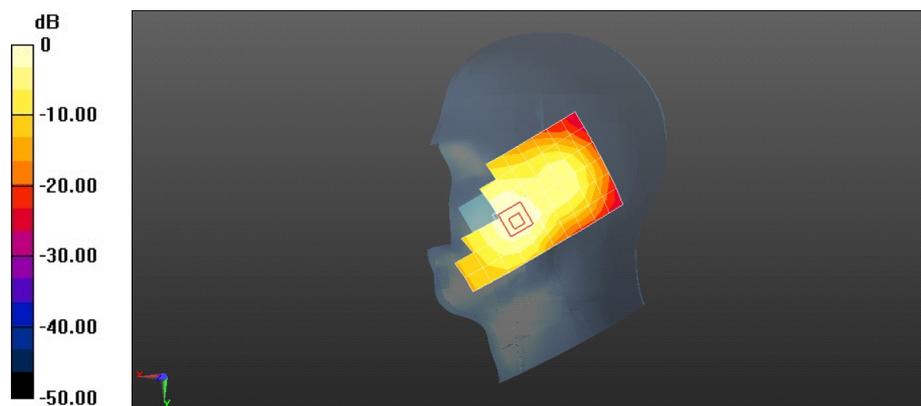Reference Value = 6.894 V/m; Power Drift = -0.06 dB
Peak SAR (extrapolated) = 0.620 W/kg
SAR(1 g) = 0.427 W/kg; SAR(10 g) = 0.264 W/kg

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.501 W/kg

0 dB = 0.476 W/kg = -3.22 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

U5760 GSM1900 512CH Back Side 15mm with battery #2

DUT: HUAWEI U5760, U5760; Type: UMTS Mobile Phone; Serial: SAR1

Communication System: UID 0, HW-GSM\GPRS\EGPRS-1TS (0); Frequency: 1850.2 MHz;Duty Cycle: 1:8.30042
Medium parameters used (interpolated): f = 1850.2 MHz; σ = 1.462 S/m; $ε_r$ = 51.128; ρ = 1000 kg/m³
Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3898; ConvF(7.83, 7.83, 7.83); Calibrated: 2014-3-10;
- Sensor-Surface: 3mm (Mechanical Surface Detection), z = 1.0, 31.0
- Electronics: DAE4 Sn852; Calibrated: 2014-4-30
- Phantom: SAM3; Type: SAM; Serial: TP-1597
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

Configuration/Body/Area Scan (7x11x1): Measurement grid: dx=15mm, dy=15mm

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.194 W/kg

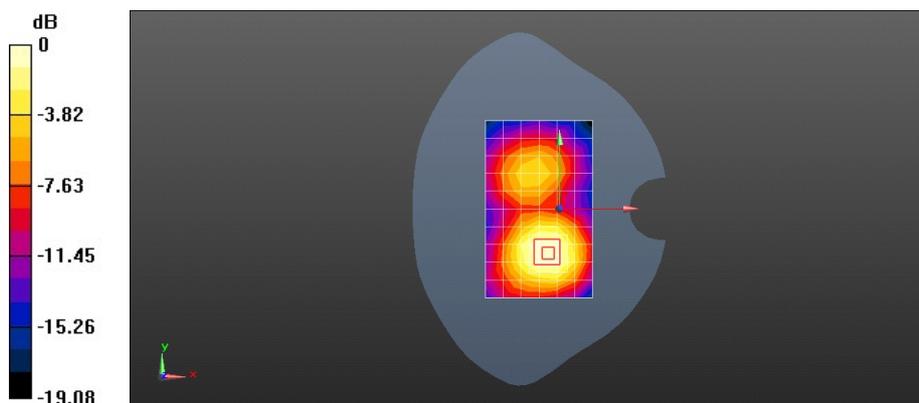**Configuration/Body/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 4.428 V/m; Power Drift = -0.04 dB
Peak SAR (extrapolated) = 0.299 W/kg
SAR(1 g) = 0.195 W/kg; SAR(10 g) = 0.119 W/kg

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.230 W/kg

0 dB = 0.194 W/kg = -7.11 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

U5760 UMTS Band V 4233CH Right hand touch cheek with battery 2#

DUT: HUAWEI U5760, U5760; Type: UMTS Mobile Phone; Serial: SAR1

Communication System: UID 0, HW-UMTS-FDD(WCDMA) (0); Frequency: 846.6 MHz;Duty Cycle: 1:1

Medium parameters used: f = 847 MHz; σ = 0.91 S/m; ε_r = 40.678; ρ = 1000 kg/m^3

Phantom section: Right Section

DASY Configuration:

- Probe: EX3DV4 - SN3898; ConvF(10.32, 10.32, 10.32); Calibrated: 2014-3-10;
- Sensor-Surface: 3mm (Mechanical Surface Detection), z = 1.0, 31.0
- Electronics: DAE4 Sn852; Calibrated: 2014-4-30
- Phantom: SAM4; Type: SAM; Serial: TP-1620
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

Configuration/Head/Area Scan (6x10x1): Measurement grid: dx=15mm, dy=15mm
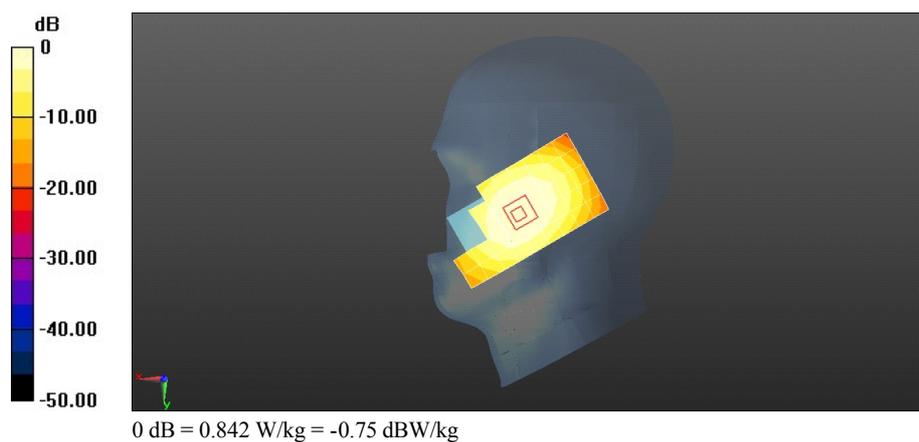
Maximum value of SAR (measured) = 0.842 W/kg

Configuration/Head/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 11.70 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 1.01 W/kg

SAR(1 g) = 0.800 W/kg; SAR(10 g) = 0.586 W/kg

Maximum value of SAR (measured) = 0.892 W/kg

0 dB = 0.842 W/kg = -0.75 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

U5760 UMTS Band V 4233CH Back Side 15mm with battery #2

DUT: HUAWEI U5760, U5760; Type: UMTS Mobile Phone; Serial: SAR1

Communication System: UID 0, HW-UMTS-FDD(WCDMA) (0); Frequency: 846.6 MHz;Duty Cycle: 1:1

Medium parameters used: f = 847 MHz; σ = 0.953 S/m; ε_r = 53.051; ρ = 1000 kg/m^3

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3898; ConvF(10.18, 10.18, 10.18); Calibrated: 2014-3-10;
- Sensor-Surface: 3mm (Mechanical Surface Detection), z = 1.0, 31.0
- Electronics: DAE4 Sn852; Calibrated: 2014-4-30
- Phantom: SAM4; Type: SAM; Serial: TP-1620
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

Configuration/Body/Area Scan (7x11x1): Measurement grid: dx=15mm, dy=15mm
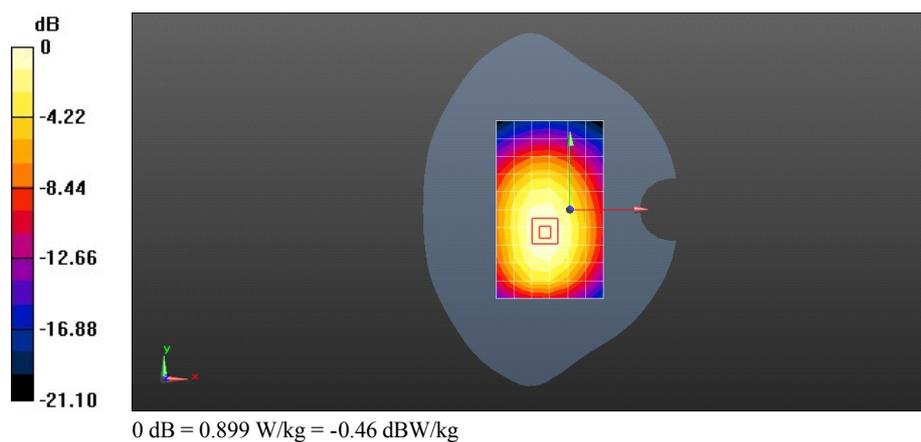
Maximum value of SAR (measured) = 0.899 W/kg

Configuration/Body/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 27.31 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 1.09 W/kg

SAR(1 g) = 0.820 W/kg; SAR(10 g) = 0.587 W/kg

Maximum value of SAR (measured) = 0.920 W/kg

0 dB = 0.899 W/kg = -0.46 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

U5760 UMTS Band II 9400CH Right hand touch cheek

DUT: HUAWEI U5760, U5760; Type: UMTS Mobile Phone; Serial: SAR1

Communication System: UID 0, HW-UMTS-FDD(WCDMA) (0); Frequency: 1880 MHz;Duty Cycle: 1:1

Medium parameters used: f = 1880 MHz; σ = 1.412 S/m; $ε_r$ = 40.922; ρ = 1000 kg/m^3

Phantom section: Right Section

DASY Configuration:

- Probe: EX3DV4 - SN3898; ConvF(8.2, 8.2, 8.2); Calibrated: 2014-3-10;
- Sensor-Surface: 3mm (Mechanical Surface Detection), z = 1.0, 31.0
- Electronics: DAE4 Sn852; Calibrated: 2014-4-30
- Phantom: SAM3; Type: SAM; Serial: TP-1597
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

Configuration/Head/Area Scan (7x11x1): Measurement grid: dx=15mm, dy=15mm
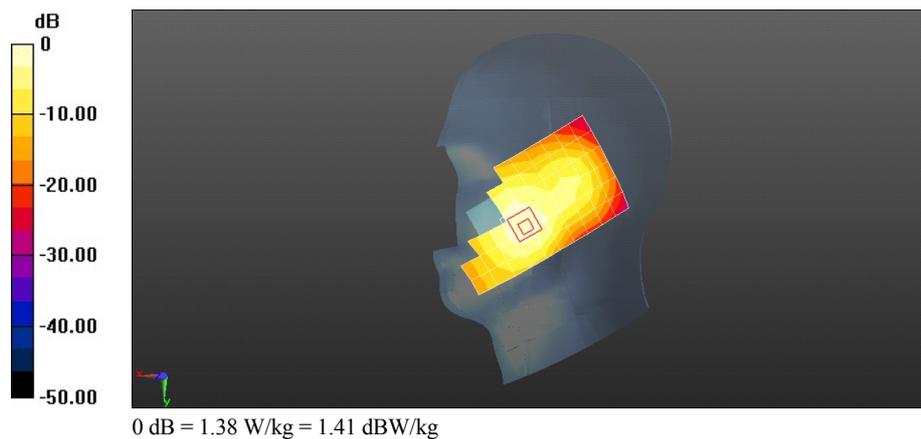Maximum value of SAR (measured) = 1.38 W/kg

Configuration/Head/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 11.42 V/m; Power Drift = -0.15 dB
Peak SAR (extrapolated) = 1.69 W/kg
SAR(1 g) = 1.18 W/kg; SAR(10 g) = 0.718 W/kg
Maximum value of SAR (measured) = 1.39 W/kg

0 dB = 1.38 W/kg = 1.41 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

U5760 UMTS Band II 9400CH Back Side 15mm with battery #2

DUT: HUAWEI U5760, U5760; Type: UMTS Mobile Phone; Serial: SAR1

Communication System: UID 0, HW-UMTS-FDD(WCDMA) (0); Frequency: 1880 MHz;Duty Cycle: 1:1
Medium parameters used: f = 1880 MHz; σ = 1.49 S/m; ε_r = 51.069; ρ = 1000 kg/m³
Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3898; ConvF(7.83, 7.83, 7.83); Calibrated: 2014-3-10;
- Sensor-Surface: 3mm (Mechanical Surface Detection), z = 1.0, 31.0
- Electronics: DAE4 Sn852; Calibrated: 2014-4-30
- Phantom: SAM3; Type: SAM; Serial: TP-1597
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

Configuration/Body/Area Scan (7x11x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.529 W/kg

Configuration/Body/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 7.021 V/m; Power Drift = 0.08 dB
Peak SAR (extrapolated) = 0.747 W/kg
SAR(1 g) = 0.489 W/kg; SAR(10 g) = 0.298 W/kg
Maximum value of SAR (measured) = 0.580 W/kg

0 dB = 0.529 W/kg = -2.77 dBW/kg