Appendix B. SAR Measurement Plots

Test Laboratory: HUAWEI SAR Lab

Y210-0251 GSM850 190CH Right hand touch cheek with SIM1 and battery SN-BAAC903K18041117

DUT: Y210-0251; Type: HSPA/UMTS/GPRS/GSM/EDGE Mobile Phone with Bluetooth;; Serial: SAR1

Communication System: HW-GSM\GPRS\EGPRS-1TS; Frequency: 836.6 MHz
Medium parameters used: f = 837 MHz; σ = 0.928 mho/m; ε_r = 41.212; ρ = 1000 kg/m^3
Phantom section: Right Section

DASY Configuration:

- Probe: ES3DV3 - SN3168; ConvF(6.28, 6.28, 6.28); Calibrated: 10/2/2012;
- Sensor-Surface: 4mm (Mechanical Surface Detection), z = 2.0, 32.0
- Electronics: DAE4 Sn851; Calibrated: 7/25/2012
- Phantom: SAM4; Type: SAM; Serial: TP-1620
- DASY52 52.8.3(988); SEMCAD X 14.6.7(6848)

Configuration/Head/Area Scan (8x12x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.678 W/kg

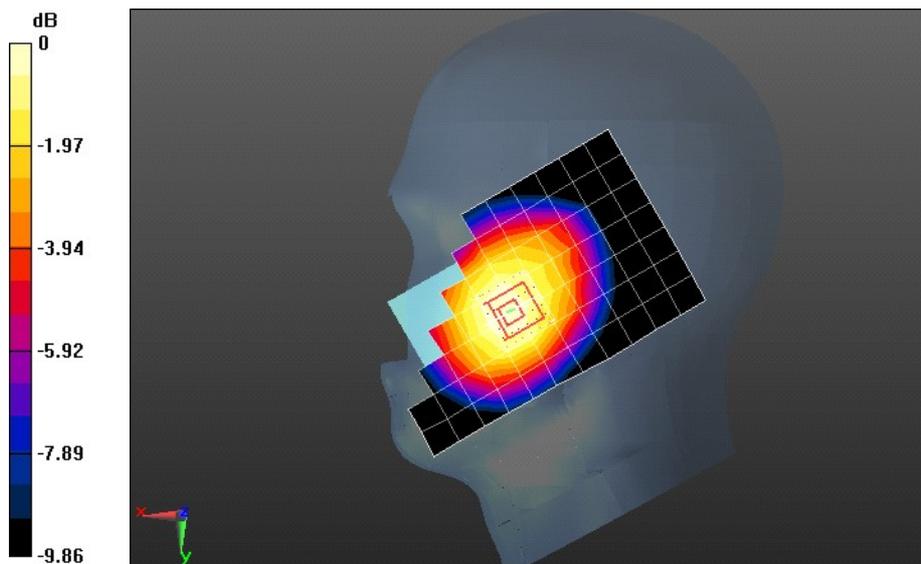**Configuration/Head/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 9.118 V/m; Power Drift = 0.07 dB
Peak SAR (extrapolated) = 0.806 W/kg
SAR(1 g) = 0.660 W/kg; SAR(10 g) = 0.502 W/kg
Maximum value of SAR (measured) = 0.693 W/kg

0 dB = 0.693 W/kg = -1.59 dBW/kg

Test Laboratory: HUAWEI SAR Lab

Y210-0251 GSM850 190CH Right hand touch cheek with SIM2 and battery SN-BAAC903K18041117

DUT: Y210-0251; Type: HSPA/UMTS/GPRS/GSM/EDGE Mobile Phone with Bluetooth;; Serial: SAR1

Communication System: HW-GSM\GPRS\EGPRS-1TS; Frequency: 836.6 MHz
Medium parameters used: f = 837 MHz; σ = 0.928 mho/m; ε_r = 41.212; ρ = 1000 kg/m^3
Phantom section: Right Section

DASY Configuration:

- Probe: ES3DV3 - SN3168; ConvF(6.28, 6.28, 6.28); Calibrated: 10/2/2012;
- Sensor-Surface: 4mm (Mechanical Surface Detection), z = 2.0, 32.0
- Electronics: DAE4 Sn851; Calibrated: 7/25/2012
- Phantom: SAM4; Type: SAM; Serial: TP-1620
- DASY52 52.8.3(988); SEMCAD X 14.6.7(6848)

Configuration/Head/Area Scan (8x12x1): Measurement grid: dx=15mm, dy=15mm
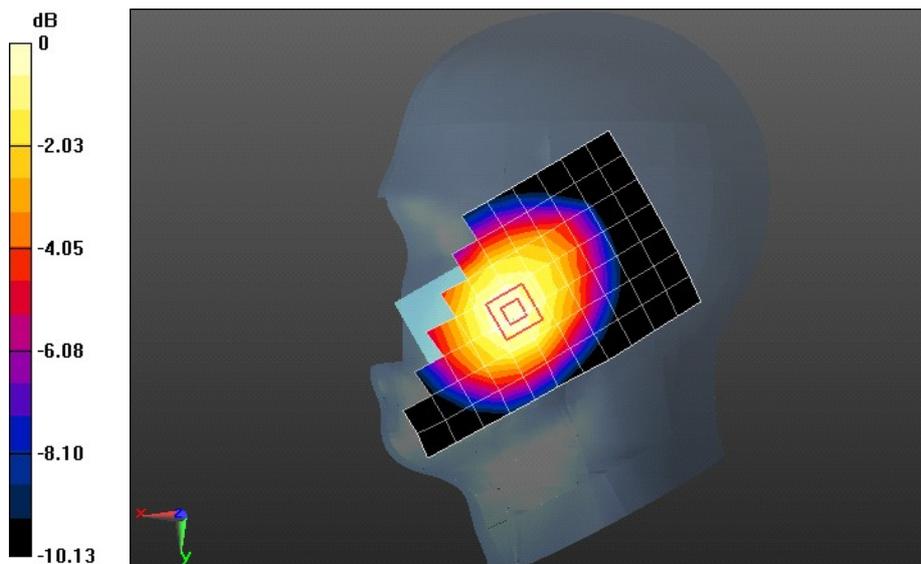Maximum value of SAR (measured) = 0.675 W/kg

Configuration/Head/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 9.946 V/m; Power Drift = 0.03 dB
Peak SAR (extrapolated) = 0.811 W/kg
SAR(1 g) = 0.661 W/kg; SAR(10 g) = 0.501 W/kg
Maximum value of SAR (measured) = 0.695 W/kg

0 dB = 0.695 W/kg = -1.58 dBW/kg

Test Laboratory: HUAWEI SAR Lab

Y210-0251 GSM850 EGPRS 1TS 128CH Towards Ground 10mm with SIM1 and battery SN-BAAC903K18041117

DUT: Y210-0251; Type: HSPA/UMTS/GPRS/GSM/EDGE Mobile Phone with Bluetooth;; Serial: SAR1

Communication System: HW-GSM\GPRS\EGPRS-1TS; Frequency: 824.2 MHz
Medium parameters used (interpolated): f = 824.2 MHz; σ = 0.963 mho/m; ε_r = 54.001; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY Configuration:

- Probe: ES3DV3 - SN3168; ConvF(6.14, 6.14, 6.14); Calibrated: 10/2/2012;
- Sensor-Surface: 4mm (Mechanical Surface Detection), z = 2.0, 32.0
- Electronics: DAE4 Sn851; Calibrated: 7/25/2012
- Phantom: SAM3; Type: SAM; Serial: TP-1597
- DASY52 52.8.3(988); SEMCAD X 14.6.7(6848)

Configuration/Body/Area Scan (8x12x1): Measurement grid: dx=15mm, dy=15mm

Info: Interpolated medium parameters used for SAR evaluation.
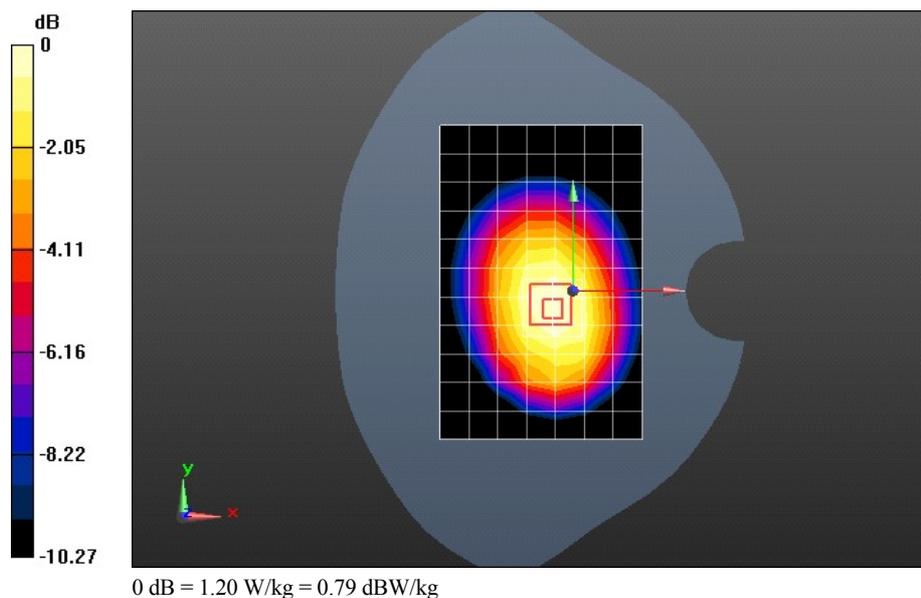Maximum value of SAR (measured) = 1.20 W/kg

Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 35.155 V/m; Power Drift = -0.09 dB
Peak SAR (extrapolated) = 1.49 W/kg
SAR(1 g) = 1.14 W/kg; SAR(10 g) = 0.819 W/kg

Info: Interpolated medium parameters used for SAR evaluation.

0 dB = 1.20 W/kg = 0.79 dBW/kg

Test Laboratory: HUAWEI SAR Lab

Y210-0251 GSM850 EGPRS 1TS 128CH Towards Ground 10mm with SIM2 and battery SN-BAAC903K18041117

DUT: Y210-0251; Type: HSPA/UMTS/GPRS/GSM/EDGE Mobile Phone with Bluetooth;; Serial: SAR1

Communication System: HW-GSM\GPRS\EGPRS-1TS; Frequency: 824.2 MHz
Medium parameters used (interpolated): f = 824.2 MHz; σ = 0.963 mho/m; $ε_r$ = 54.001; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY Configuration:

- Probe: ES3DV3 - SN3168; ConvF(6.14, 6.14, 6.14); Calibrated: 10/2/2012;
- Sensor-Surface: 4mm (Mechanical Surface Detection), z = 2.0, 32.0
- Electronics: DAE4 Sn851; Calibrated: 7/25/2012
- Phantom: SAM3; Type: SAM; Serial: TP-1597
- DASY52 52.8.3(988); SEMCAD X 14.6.7(6848)

Configuration/Body/Area Scan (8x12x1): Measurement grid: dx=15mm, dy=15mm

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 1.20 W/kg

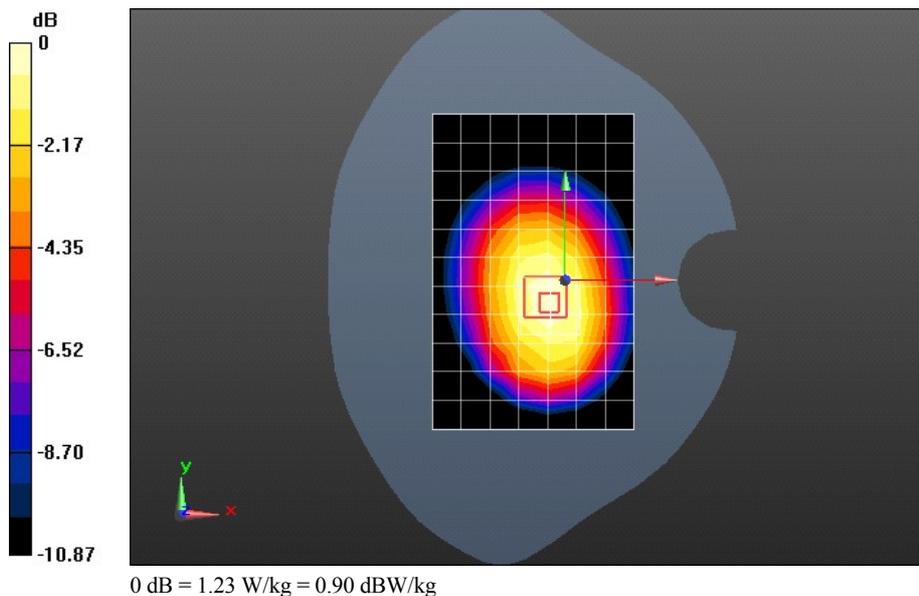**Configuration/Body/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 34.193 V/m; Power Drift = 0.01 dB
Peak SAR (extrapolated) = 1.61 W/kg
SAR(1 g) = 1.16 W/kg; SAR(10 g) = 0.829 W/kg

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 1.23 W/kg

0 dB = 1.23 W/kg = 0.90 dBW/kg

Test Laboratory: HUAWEI SAR Lab

Y210-0251 GSM1900 661CH Left hand touched cheek with SIM1 and battery SN-MAIC903XXXX00055

DUT: Y210-0251; Type: HSPA/UMTS/GPRS/GSM/EDGE Mobile Phone with Bluetooth;; Serial: SAR1

Communication System: HW-GSM\GPRS\EGPRS-1TS; Frequency: 1880 MHz
Medium parameters used: f = 1880 MHz; σ = 1.415 mho/m; ε_r = 39.946; ρ = 1000 kg/m^3
Phantom section: Left Section

DASY Configuration:

- Probe: ES3DV3 - SN3168; ConvF(5.26, 5.26, 5.26); Calibrated: 10/2/2012;
- Sensor-Surface: 4mm (Mechanical Surface Detection), z = 2.0, 32.0
- Electronics: DAE4 Sn851; Calibrated: 7/25/2012
- Phantom: SAM3; Type: SAM; Serial: TP-1597
- DASY52 52.8.3(988); SEMCAD X 14.6.7(6848)

Configuration/Head/Area Scan (8x12x1): Measurement grid: dx=15mm, dy=15mm
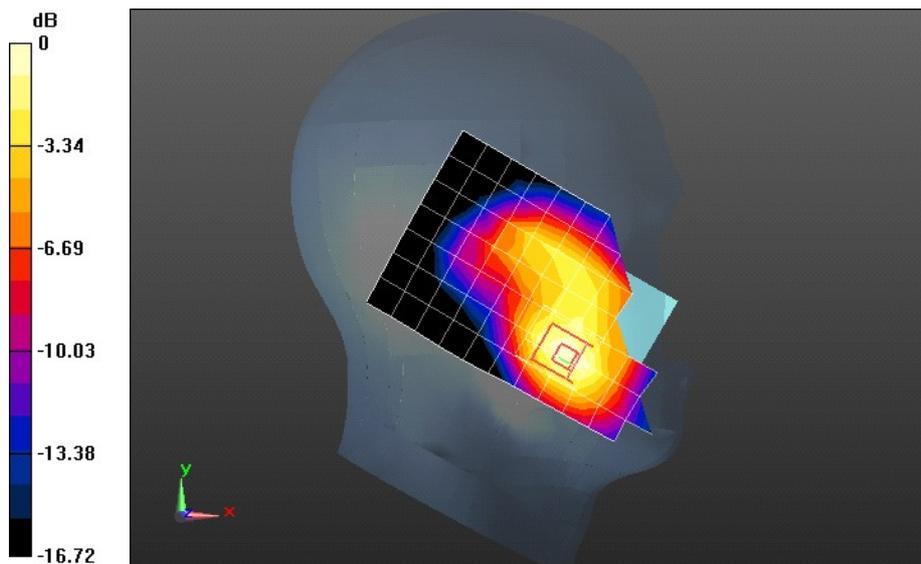Maximum value of SAR (measured) = 0.421 W/kg

Configuration/Head/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 5.068 V/m; Power Drift = -0.18 dB
Peak SAR (extrapolated) = 0.669 W/kg
SAR(1 g) = 0.387 W/kg; SAR(10 g) = 0.216 W/kg
Maximum value of SAR (measured) = 0.419 W/kg

0 dB = 0.419 W/kg = -3.78 dBW/kg

Test Laboratory: HUAWEI SAR Lab

Y210-0251 GSM1900 661CH Left hand touched cheek with SIM2 and battery SN-MAIC903XXXX00055

DUT: Y210-0251; Type: HSPA/UMTS/GPRS/GSM/EDGE Mobile Phone with Bluetooth;; Serial: SAR1

Communication System: HW-GSM\GPRS\EGPRS-1TS; Frequency: 1880 MHz
Medium parameters used: f = 1880 MHz; σ = 1.415 mho/m; ε_r = 39.946; ρ = 1000 kg/m^3
Phantom section: Left Section

DASY Configuration:

- Probe: ES3DV3 - SN3168; ConvF(5.26, 5.26, 5.26); Calibrated: 10/2/2012;
- Sensor-Surface: 4mm (Mechanical Surface Detection), z = 2.0, 32.0
- Electronics: DAE4 Sn851; Calibrated: 7/25/2012
- Phantom: SAM3; Type: SAM; Serial: TP-1597
- DASY52 52.8.3(988); SEMCAD X 14.6.7(6848)

Configuration/Head/Area Scan (8x12x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.423 W/kg

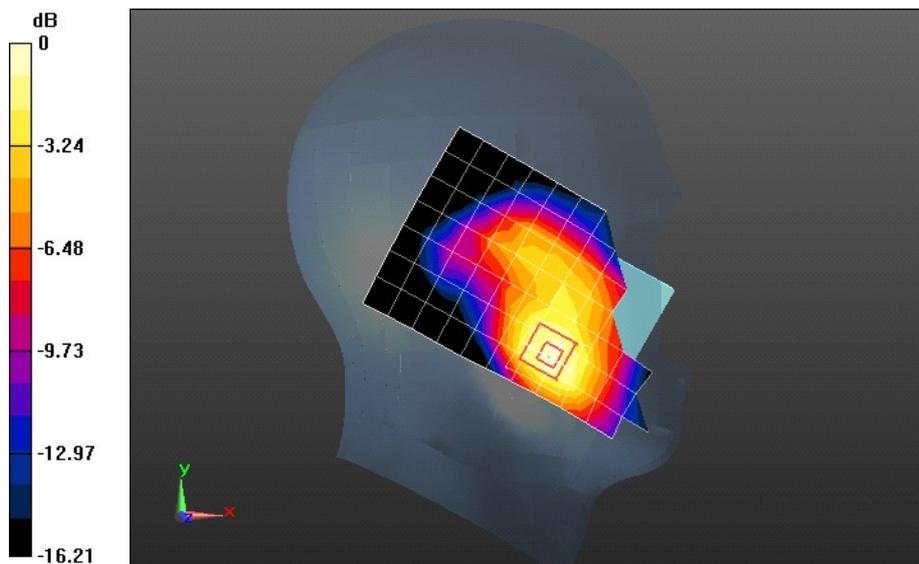**Configuration/Head/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 6.455 V/m; Power Drift = 0.17 dB
Peak SAR (extrapolated) = 0.805 W/kg
SAR(1 g) = 0.454 W/kg; SAR(10 g) = 0.256 W/kg
Maximum value of SAR (measured) = 0.502 W/kg

0 dB = 0.502 W/kg = -2.99 dBW/kg

Test Laboratory: HUAWEI SAR Lab

Y210-0251 GSM1900 GPRS 2TS 512CH Towards Ground 10mm with SIM1 and battery SN-MPCC9029191Y1170

DUT: Y210-0251; Type: HSPA/UMTS/GPRS/GSM/EDGE Mobile Phone with Bluetooth;; Serial: SAR1

Communication System: HW-GSM\GPRS\EGPRS-2TS; Frequency: 1850.2 MHz
Medium parameters used (interpolated): f = 1850.2 MHz; σ = 1.471 mho/m; ε_r = 53.624; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY Configuration:

- Probe: ES3DV3 - SN3168; ConvF(4.86, 4.86, 4.86); Calibrated: 10/2/2012;
- Sensor-Surface: 4mm (Mechanical Surface Detection), z = 2.0, 32.0
- Electronics: DAE4 Sn851; Calibrated: 7/25/2012
- Phantom: SAM4; Type: SAM; Serial: TP-1620
- DASY52 52.8.3(988); SEMCAD X 14.6.7(6848)

Configuration/Body/Area Scan (8x12x1): Measurement grid: dx=15mm, dy=15mm

Info: Interpolated medium parameters used for SAR evaluation.
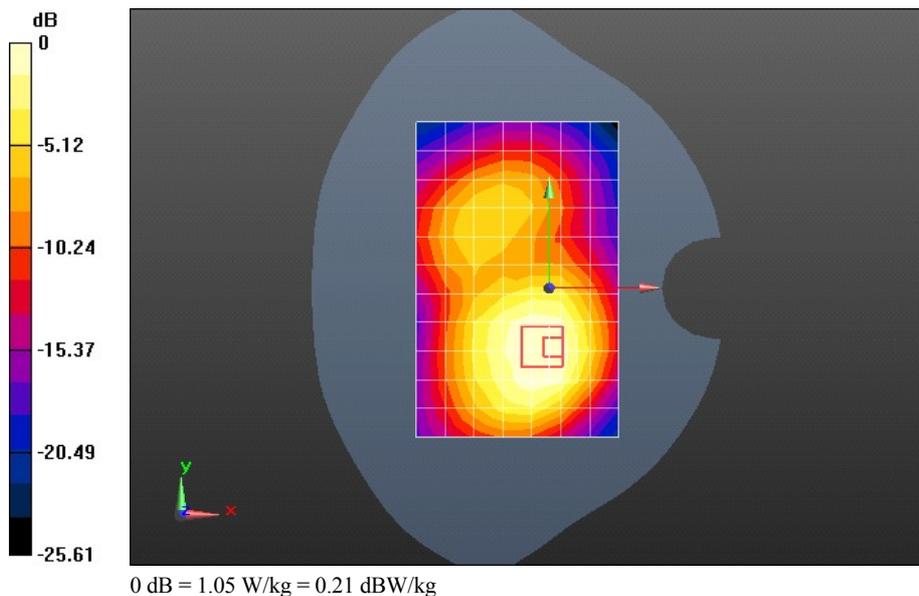Maximum value of SAR (measured) = 1.00 W/kg

Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 14.493 V/m; Power Drift = -0.16 dB
Peak SAR (extrapolated) = 2.98 W/kg
SAR(1 g) = 0.986 W/kg; SAR(10 g) = 0.567 W/kg

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 1.05 W/kg

0 dB = 1.05 W/kg = 0.21 dBW/kg

Test Laboratory: HUAWEI SAR Lab

Y210-0251 GSM1900 GPRS 2TS 512CH Towards Ground 10mm with SIM2 and battery SN-MPCC9029191Y1170

DUT: Y210-0251; Type: HSPA/UMTS/GPRS/GSM/EDGE Mobile Phone with Bluetooth;; Serial: SAR1

Communication System: HW-GSM\GPRS\EGPRS-2TS; Frequency: 1850.2 MHz
Medium parameters used (interpolated): f = 1850.2 MHz; σ = 1.471 mho/m; ε_r = 53.624; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY Configuration:

- Probe: ES3DV3 - SN3168; ConvF(4.86, 4.86, 4.86); Calibrated: 10/2/2012;
- Sensor-Surface: 4mm (Mechanical Surface Detection), z = 2.0, 32.0
- Electronics: DAE4 Sn851; Calibrated: 7/25/2012
- Phantom: SAM4; Type: SAM; Serial: TP-1620
- DASY52 52.8.3(988); SEMCAD X 14.6.7(6848)

Configuration/Body/Area Scan (8x12x1): Measurement grid: dx=15mm, dy=15mm

Info: Interpolated medium parameters used for SAR evaluation.
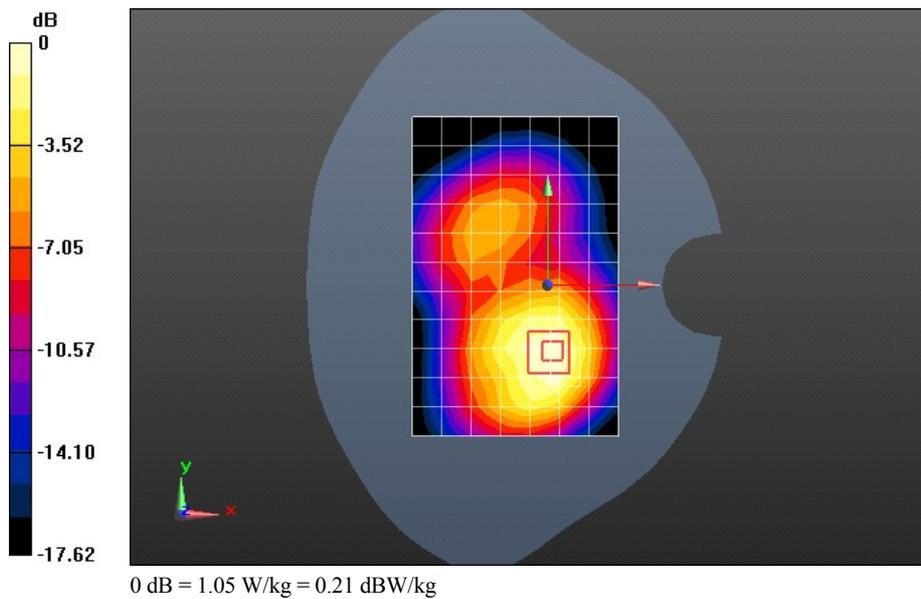Maximum value of SAR (measured) = 1.02 W/kg

Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 11.831 V/m; Power Drift = -0.04 dB
Peak SAR (extrapolated) = 1.69 W/kg
SAR(1 g) = 0.968 W/kg; SAR(10 g) = 0.560 W/kg

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 1.05 W/kg

0 dB = 1.05 W/kg = 0.21 dBW/kg

Test Laboratory: HUAWEI SAR Lab

Y210-0251 UMTS Band V 4182CH Right hand touch cheek with SIM1 and battery SN-MPCC9029191Y1170

DUT: Y210-0251; Type: HSPA/UMTS/GPRS/GSM/EDGE Mobile Phone with Bluetooth;; Serial: SAR1

Communication System: HW-UMTS-FDD(WCDMA); Frequency: 836.4 MHz
Medium parameters used (interpolated): f = 836.4 MHz; σ = 0.921 mho/m; ε_r = 41.183; ρ = 1000 kg/m^3
Phantom section: Right Section

DASY Configuration:

- Probe: ES3DV3 - SN3168; ConvF(6.28, 6.28, 6.28); Calibrated: 10/2/2012;
- Sensor-Surface: 4mm (Mechanical Surface Detection), z = 2.0, 32.0
- Electronics: DAE4 Sn851; Calibrated: 7/25/2012
- Phantom: SAM4; Type: SAM; Serial: TP-1620
- DASY52 52.8.3(988); SEMCAD X 14.6.7(6848)

Configuration/Head/Area Scan (8x12x1): Measurement grid: dx=15mm, dy=15mm

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.564 W/kg

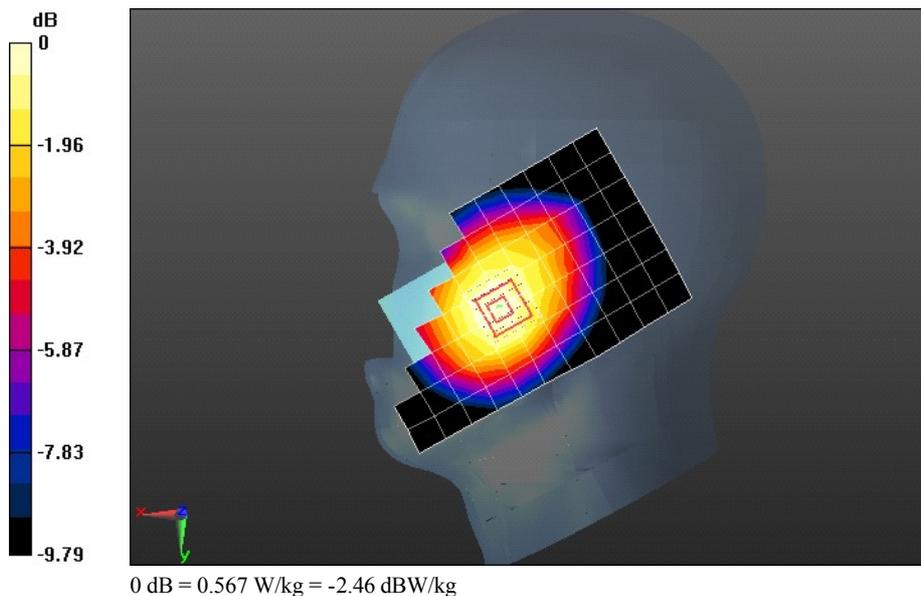**Configuration/Head/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 9.717 V/m; Power Drift = 0.01 dB
Peak SAR (extrapolated) = 0.662 W/kg
SAR(1 g) = 0.541 W/kg; SAR(10 g) = 0.411 W/kg

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.567 W/kg

0 dB = 0.567 W/kg = -2.46 dBW/kg

Test Laboratory: HUAWEI SAR Lab

Y210-0251 UMTS Band V 4182CH Towards Ground 10mm with SIM1 and battery SN-MPCC9029191Y1170

DUT: Y210-0251; Type: HSPA/UMTS/GPRS/GSM/EDGE Mobile Phone with Bluetooth;; Serial: SAR1

Communication System: HW-UMTS-FDD(WCDMA); Frequency: 836.4 MHz
Medium parameters used (interpolated): f = 836.4 MHz; σ = 0.977 mho/m; ε_r = 53.809; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY Configuration:

- Probe: ES3DV3 - SN3168; ConvF(6.14, 6.14, 6.14); Calibrated: 10/2/2012;
- Sensor-Surface: 4mm (Mechanical Surface Detection), z = 2.0, 32.0
- Electronics: DAE4 Sn851; Calibrated: 7/25/2012
- Phantom: SAM3; Type: SAM; Serial: TP-1597
- DASY52 52.8.3(988); SEMCAD X 14.6.7(6848)

Configuration/Body/Area Scan (8x12x1): Measurement grid: dx=15mm, dy=15mm

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.998 W/kg

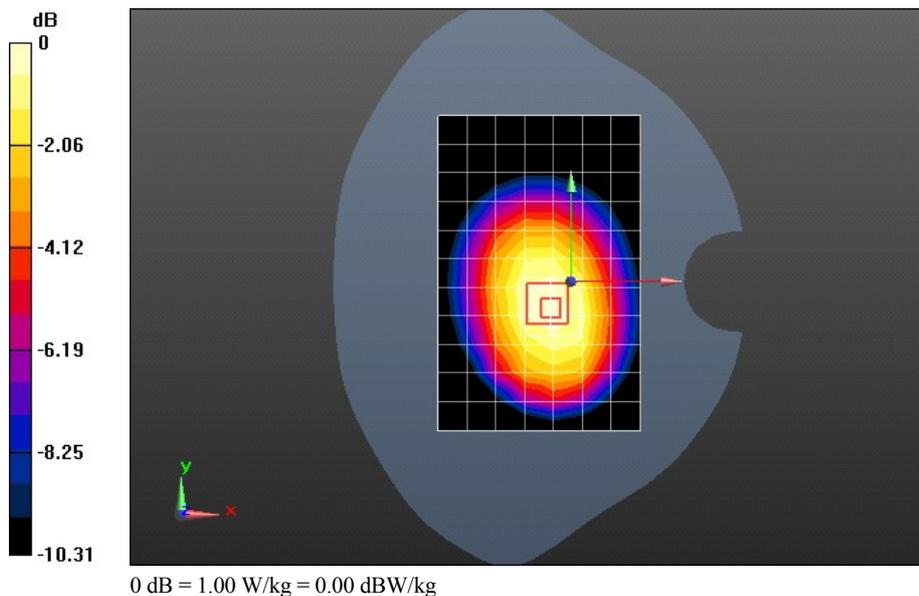**Configuration/Body/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 31.051 V/m; Power Drift = -0.04 dB
Peak SAR (extrapolated) = 1.26 W/kg
SAR(1 g) = 0.951 W/kg; SAR(10 g) = 0.686 W/kg

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 1.00 W/kg

0 dB = 1.00 W/kg = 0.00 dBW/kg

Test Laboratory: HUAWEI SAR Lab

Y210-0251 UMTS Band II 9262CH Left hand touched cheek with SIM1 and battery SN-BAAC903K18041117

DUT: Y210-0251; Type: HSPA/UMTS/GPRS/GSM/EDGE Mobile Phone with Bluetooth;; Serial: SAR1

Communication System: HW-UMTS-FDD(WCDMA); Frequency: 1852.4 MHz

Medium parameters used (interpolated): f = 1852.4 MHz; σ = 1.393 mho/m; ε_r = 40.169; ρ = 1000 kg/m^3

Phantom section: Left Section

DASY Configuration:

- Probe: ES3DV3 - SN3168; ConvF(5.26, 5.26, 5.26); Calibrated: 10/2/2012;
- Sensor-Surface: 4mm (Mechanical Surface Detection), z = 2.0, 32.0
- Electronics: DAE4 Sn851; Calibrated: 7/25/2012
- Phantom: SAM3; Type: SAM; Serial: TP-1597
- DASY52 52.8.3(988); SEMCAD X 14.6.7(6848)

Configuration/Head/Area Scan (8x12x1): Measurement grid: dx=15mm, dy=15mm

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.864 W/kg

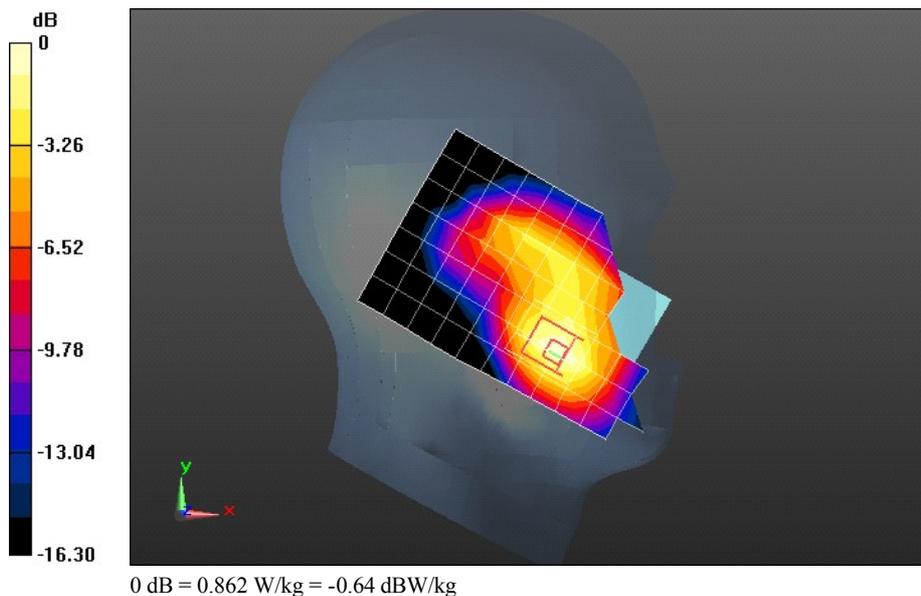**Configuration/Head/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 9.231 V/m; Power Drift = -0.18 dB
Peak SAR (extrapolated) = 1.34 W/kg
SAR(1 g) = 0.786 W/kg; SAR(10 g) = 0.443 W/kg

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.862 W/kg

0 dB = 0.862 W/kg = -0.64 dBW/kg

Test Laboratory: HUAWEI SAR Lab

Y210-0251 UMTS Band II 9262CH Towards Ground 10mm with HSDPA with SIM1 and battery SN-MPCC9029191Y1170

DUT: Y210-0251; Type: HSPA/UMTS/GPRS/GSM/EDGE Mobile Phone with Bluetooth;; Serial: SAR1

Communication System: HW-UMTS-FDD(WCDMA); Frequency: 1852.4 MHz

Medium parameters used (interpolated): f = 1852.4 MHz; σ = 1.473 mho/m; ε_r = 53.618; ρ = 1000 kg/m^3

Phantom section: Flat Section

DASY Configuration:

- Probe: ES3DV3 - SN3168; ConvF(4.86, 4.86, 4.86); Calibrated: 10/2/2012;
- Sensor-Surface: 4mm (Mechanical Surface Detection), z = 2.0, 32.0
- Electronics: DAE4 Sn851; Calibrated: 7/25/2012
- Phantom: SAM4; Type: SAM; Serial: TP-1620
- DASY52 52.8.3(988); SEMCAD X 14.6.7(6848)

Configuration/Body/Area Scan (8x12x1): Measurement grid: dx=15mm, dy=15mm

Info: Interpolated medium parameters used for SAR evaluation.
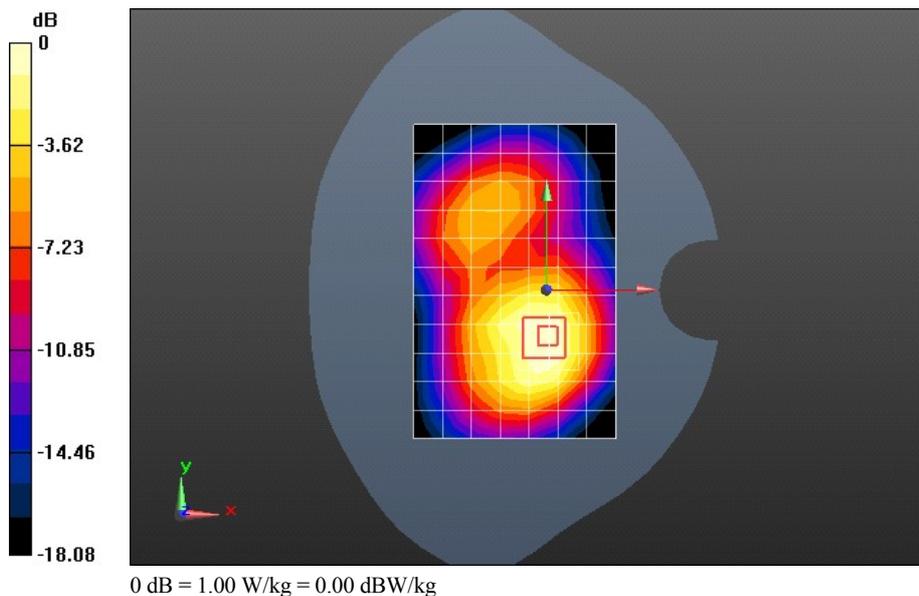Maximum value of SAR (measured) = 0.925 W/kg

Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 15.436 V/m; Power Drift = 0.03 dB
Peak SAR (extrapolated) = 1.60 W/kg
SAR(1 g) = 0.926 W/kg; SAR(10 g) = 0.538 W/kg

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 1.00 W/kg

0 dB = 1.00 W/kg = 0.00 dBW/kg

Test Laboratory: HUAWEI SAR Lab

[432'Y kHk33d'8EJ 'Nghv'j cpf 'vqwej 'ej ggmly kj 'dcwgt{ 'UP /DCCE; 25M3: 263339''

FWW<J WCY GK[432=V{rg<J URCIWO VUII RTUII UO 1GFI G'O qdkrg'Rj qpg'y kj 'Dnwgvqqvj ='Ugtlcn<UCT3''

Communication System: WiFi (802.11*); Frequency: 2437 MHz

Medium parameters used: f = 2437 MHz; σ = 1.781 mho/m; ε_r = 40.198; ρ = 1000 kg/m^3

Phantom section: Left Section

DASY Configuration:

- Probe: ES3DV3 - SN3168; ConvF(4.57, 4.57, 4.57); Calibrated: 10/2/2012;
- Sensor-Surface: 4mm (Mechanical Surface Detection), z = 2.0, 32.0
- Electronics: DAE4 Sn851; Calibrated: 7/25/2012
- Phantom: SAM3; Type: SAM; Serial: TP-1597
- DASY52 52.8.3(988); SEMCAD X 14.6.7(6848)

Eqphi wtcvkqp1J gcf 1Ctgc'Uecp'*: z34z3+<Measurement grid: dx=15mm, dy=15mm

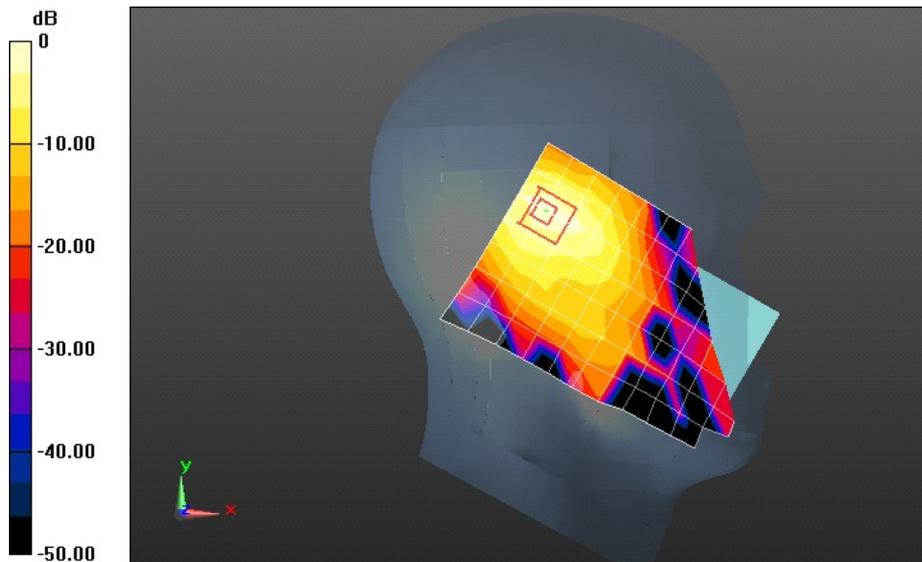Maximum value of SAR (measured) = 0.198 W/kg

Eqphi wtcvkqp1J gcf 1\qqo 'Uecp'*9z9z9+Ewdg'2<Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 6.106 V/m; Power Drift = -0.08 dB

Peak SAR (extrapolated) = 0.510 W/kg

UCT*3'l +? '20: 5'Y 1ni =UCT*32'l +? '20298'Y 1ni

Maximum value of SAR (measured) = 0.202 W/kg

0 dB = 0.202 W/kg = -6.95 dBW/kg

Test Laboratory: HUAWEI SAR Lab

Y210 WiFi 11b 6CH Towards Ground 10mm and battery SN-MPCC9029191Y1170

DUT: HUAWEI Y210-0251; Type: HSPA/UMTS/GPRS/GSM/EDGE Mobile Phone with Bluetooth;; Serial: SAR1

Communication System: WiFi (802.11*); Frequency: 2437 MHz
Medium parameters used: f = 2437 MHz; σ = 1.965 mho/m; ε_r = 52.567; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY Configuration:

- Probe: ES3DV3 - SN3168; ConvF(4.38, 4.38, 4.38); Calibrated: 10/2/2012;
- Sensor-Surface: 4mm (Mechanical Surface Detection), z = 1.0, 31.0
- Electronics: DAE4 Sn851; Calibrated: 7/25/2012
- Phantom: SAM4; Type: SAM; Serial: TP-1620
- DASY52 52.8.3(988); SEMCAD X 14.6.7(6848)

Configuration/Body/Area Scan (8x12x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.0823 W/kg

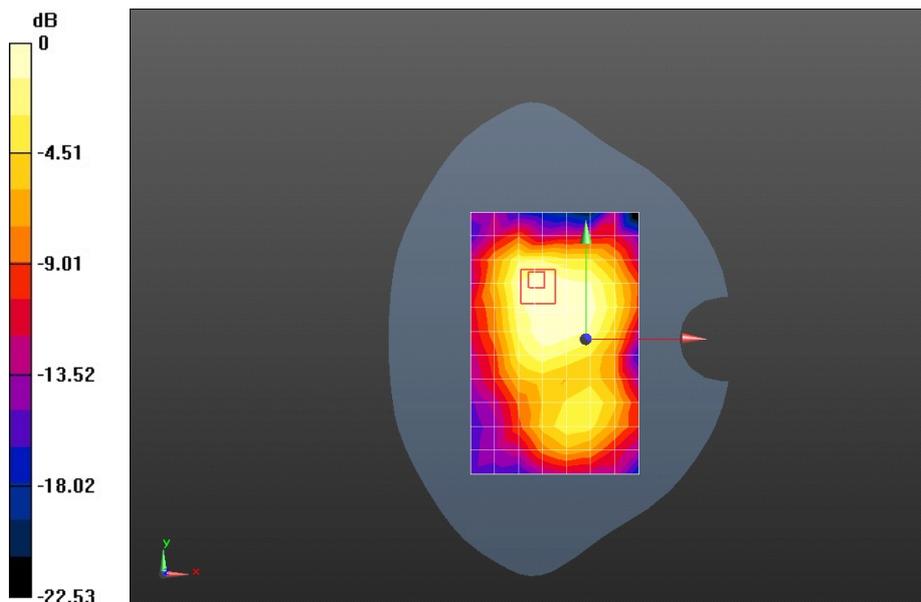**Configuration/Body/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 5.662 V/m; Power Drift = 0.01 dB
Peak SAR (extrapolated) = 0.159 W/kg
SAR(1 g) = 0.084 W/kg; SAR(10 g) = 0.044 W/kg
Maximum value of SAR (measured) = 0.0938 W/kg

0 dB = 0.0748 W/kg = -11.26 dBW/kg