Appendix B. SAR Measurement Plots

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Test Laboratory: HUAWEI SAR/HAC Lab

SCL-L01 GSM850 251CH Left hand touch cheek with battery 2#

DUT: HUAWEI SCL-L01; Type: Smart 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 = 0.915 S/m; ε_r = 40.276; ρ = 1000 kg/m^3
Phantom section: Left Section

DASY Configuration:

- Probe: EX3DV4 - SN7350; ConvF(9.92, 9.92, 9.92); Calibrated: 2015-1-8;
- Sensor-Surface: 3mm (Mechanical Surface Detection), z = 1.0, 31.0
- Electronics: DAE4 Sn852; Calibrated: 2015-4-27
- Phantom: SAM1; Type: SAM; Serial: TP-1475
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

Configuration/Head/Area Scan (8x12x1): Measurement grid: dx=15mm, dy=15mm
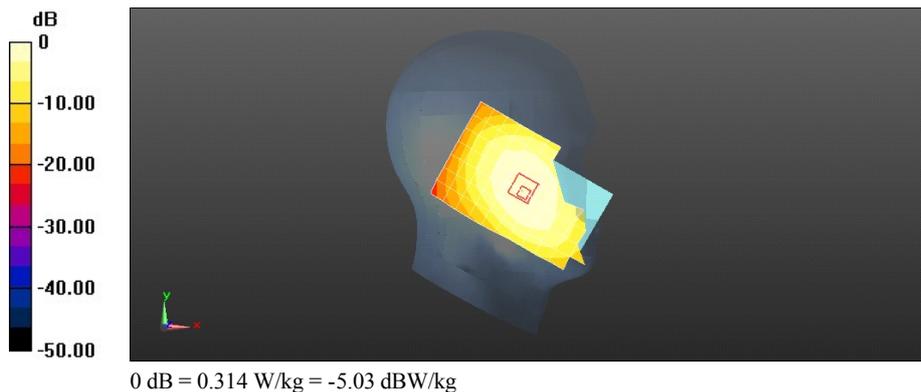Maximum value of SAR (measured) = 0.314 W/kg

Configuration/Head/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 7.634 V/m; Power Drift = 0.17 dB
Peak SAR (extrapolated) = 0.359 W/kg
SAR(1 g) = 0.294 W/kg; SAR(10 g) = 0.224 W/kg
Maximum value of SAR (measured) = 0.320 W/kg

0 dB = 0.314 W/kg = -5.03 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

SCL-L01 GSM850 190CH Back Side 15mm with battery 2#

DUT: HUAWEI SCL-L01; Type: Smart Phone; Serial: SAR1

Communication System: UID 0, HW-GSM\GPRS\EGPRS-1TS (0); Frequency: 836.6 MHz;Duty Cycle: 1:8.30042
Medium parameters used: f = 837 MHz; σ = 1.007 S/m; $ε_r$ = 56.626; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN7350; ConvF(9.42, 9.42, 9.42); Calibrated: 2015-1-8;
- Sensor-Surface: 3mm (Mechanical Surface Detection), z = 1.0, 31.0
- Electronics: DAE4 Sn852; Calibrated: 2015-4-27
- Phantom: SAM2; Type: SAM; Serial: TP:1474
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

Configuration/Body/Area Scan (9x13x1): Measurement grid: dx=15mm, dy=15mm
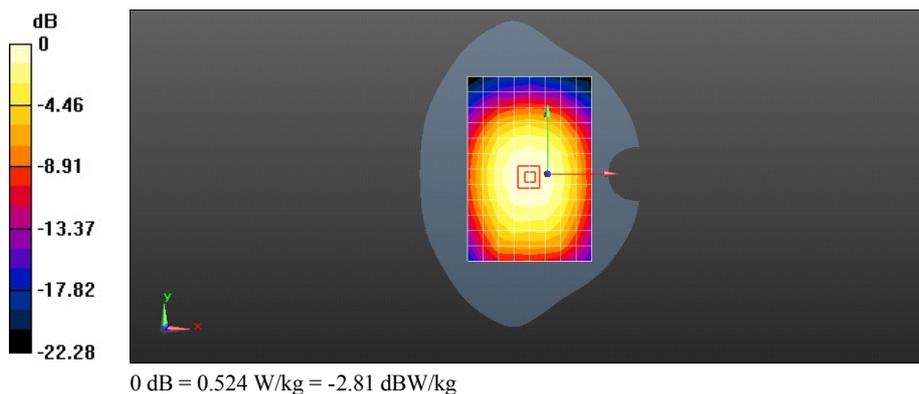Maximum value of SAR (measured) = 0.524 W/kg

Configuration/Body/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 22.90 V/m; Power Drift = -0.16 dB
Peak SAR (extrapolated) = 0.563 W/kg
SAR(1 g) = 0.470 W/kg; SAR(10 g) = 0.366 W/kg
Maximum value of SAR (measured) = 0.509 W/kg

0 dB = 0.524 W/kg = -2.81 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

SCL-L01 GSM850 GPRS 2TS 190CH Back side 10mm

DUT: HUAWEI SCL-L01; Type: Smart Phone; Serial: SAR1

Communication System: UID 0, HW-GSM\GPRS\EGPRS-2TS (0); Frequency: 836.6 MHz;Duty Cycle: 1:4.10015

Medium parameters used: f = 837 MHz; σ = 1.007 S/m; ε_r = 56.626; ρ = 1000 kg/m^3

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN7350; ConvF(9.42, 9.42, 9.42); Calibrated: 2015-1-8;
- Sensor-Surface: 3mm (Mechanical Surface Detection), z = 1.0, 31.0
- Electronics: DAE4 Sn852; Calibrated: 2015-4-27
- Phantom: SAM2; Type: SAM; Serial: TP:1474
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

Configuration/Body/Area Scan (9x13x1): Measurement grid: dx=15mm, dy=15mm
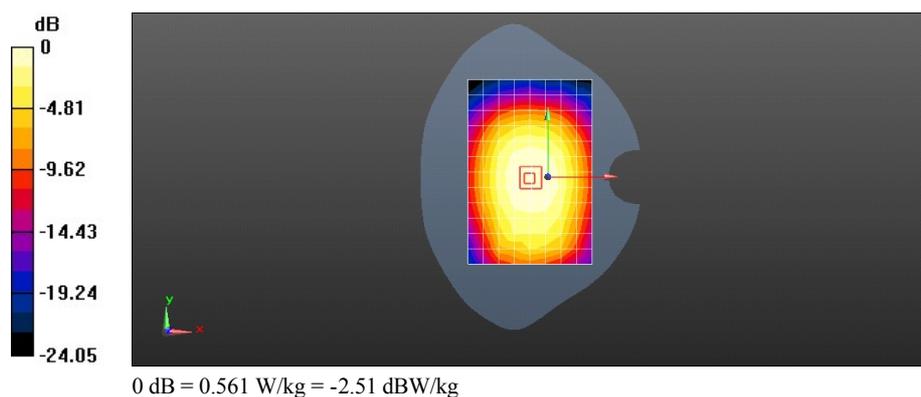Maximum value of SAR (measured) = 0.561 W/kg

Configuration/Body/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 23.51 V/m; Power Drift = -0.01 dB
Peak SAR (extrapolated) = 0.608 W/kg
SAR(1 g) = 0.513 W/kg; SAR(10 g) = 0.401 W/kg
Maximum value of SAR (measured) = 0.552 W/kg

0 dB = 0.561 W/kg = -2.51 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

SCL-L01 GSM1900 810CH Left hand touch cheek with battery 2#

DUT: HUAWEI SCL-L01; Type: Smart Phone; Serial: SAR1

Communication System: UID 0, HW-GSM\GPRS\EGPRS-1TS (0); Frequency: 1909.8 MHz;Duty Cycle: 1:8.30042

Medium parameters used: f = 1910 MHz; σ = 1.432 S/m; ε_r = 39.621; ρ = 1000 kg/m^3

Phantom section: Left Section

DASY Configuration:

- Probe: EX3DV4 - SN7350; ConvF(8.12, 8.12, 8.12); Calibrated: 2015-1-8;
- Sensor-Surface: 3mm (Mechanical Surface Detection), z = 1.0, 31.0
- Electronics: DAE4 Sn852; Calibrated: 2015-4-27
- Phantom: SAM2; Type: SAM; Serial: TP:1474
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

Configuration/Head/Area Scan (8x12x1): Measurement grid: dx=15mm, dy=15mm
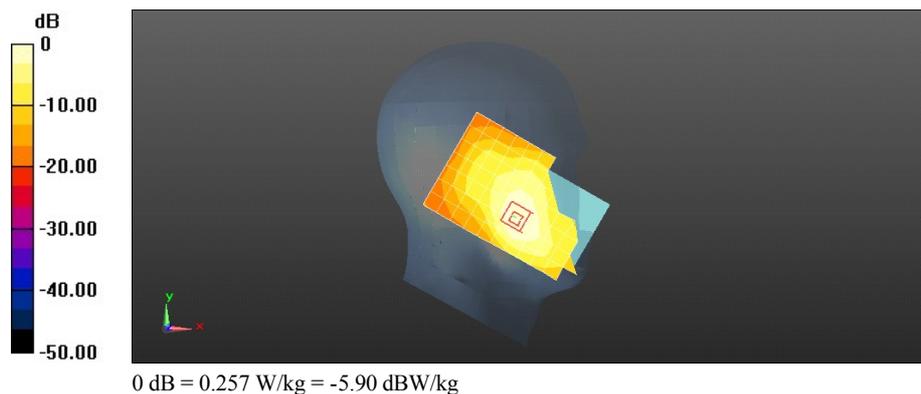Maximum value of SAR (measured) = 0.257 W/kg

Configuration/Head/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 4.910 V/m; Power Drift = 0.09 dB
Peak SAR (extrapolated) = 0.320 W/kg
SAR(1 g) = 0.216 W/kg; SAR(10 g) = 0.138 W/kg
Maximum value of SAR (measured) = 0.248 W/kg

0 dB = 0.257 W/kg = -5.90 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

SCL-L01 GSM1900 661CH Back Side 15mm

DUT: HUAWEI SCL-L01; Type: Smart Phone; Serial: SAR1

Communication System: UID 0, HW-GSM\GPRS\EGPRS-1TS (0); Frequency: 1880 MHz;Duty Cycle: 1:8.30042
Medium parameters used: f = 1880 MHz; σ = 1.516 S/m; ε_r = 51.896; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN7350; ConvF(7.82, 7.82, 7.82); Calibrated: 2015-1-8;
- Sensor-Surface: 3mm (Mechanical Surface Detection), z = 1.0, 31.0
- Electronics: DAE4 Sn852; Calibrated: 2015-4-27
- Phantom: SAM2; Type: SAM; Serial: TP:1474
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

Configuration/Body/Area Scan (9x13x1): Measurement grid: dx=15mm, dy=15mm
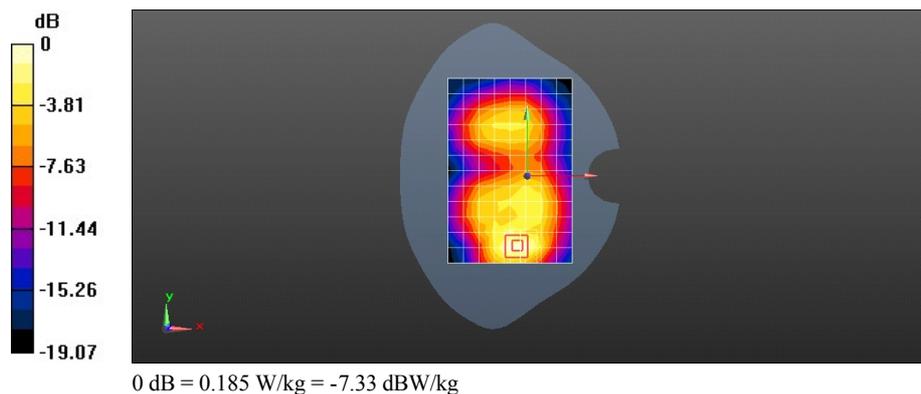Maximum value of SAR (measured) = 0.185 W/kg

Configuration/Body/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 5.139 V/m; Power Drift = -0.08 dB
Peak SAR (extrapolated) = 0.271 W/kg
SAR(1 g) = 0.166 W/kg; SAR(10 g) = 0.094 W/kg
Maximum value of SAR (measured) = 0.203 W/kg

0 dB = 0.185 W/kg = -7.33 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

SCL-L01 GSM1900 GPRS 2TS 661CH Back Side 10mm

DUT: HUAWEI SCL-L01; Type: Smart Phone; Serial: SAR1

Communication System: UID 0, HW-GSM\GPRS\EGPRS-2TS (0); Frequency: 1880 MHz;Duty Cycle: 1:4.10015

Medium parameters used: f = 1880 MHz; σ = 1.516 S/m; $ε_r$ = 51.896; ρ = 1000 kg/m^3

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN7350; ConvF(7.82, 7.82, 7.82); Calibrated: 2015-1-8;
- Sensor-Surface: 3mm (Mechanical Surface Detection), z = 1.0, 31.0
- Electronics: DAE4 Sn852; Calibrated: 2015-4-27
- Phantom: SAM2; Type: SAM; Serial: TP:1474
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

Configuration/Body/Area Scan (9x13x1): Measurement grid: dx=15mm, dy=15mm
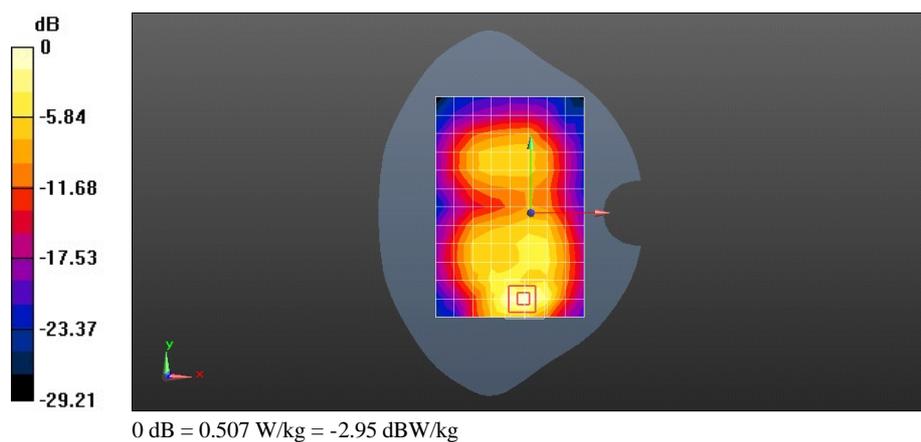
Maximum value of SAR (measured) = 0.507 W/kg

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

Reference Value = 5.640 V/m; Power Drift = -0.18 dB

Peak SAR (extrapolated) = 0.693 W/kg

SAR(1 g) = 0.396 W/kg; SAR(10 g) = 0.203 W/kg

Maximum value of SAR (measured) = 0.513 W/kg

0 dB = 0.507 W/kg = -2.95 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

SCL-L01 LTE Band VII 20M QPSK 1RB#0 21350CH Left hand touch cheek

DUT: HUAWEI SCL-L01; Type: Smart Phone; Serial: SAR1

Communication System: UID 0, LTE-FDD (SC-FDMA, 20MHz, QPSK/16-QAM) (0); Frequency: 2560 MHz;Duty Cycle: 1:1
Medium parameters used: f = 2560 MHz; σ = 1.934 S/m; ε_r = 37.929; ρ = 1000 kg/m^3
Phantom section: Left Section

DASY Configuration:

- Probe: EX3DV4 - SN7350; ConvF(7.1, 7.1, 7.1); Calibrated: 2015-1-8;
- Sensor-Surface: 3mm (Mechanical Surface Detection), z = 1.0, 31.0
- Electronics: DAE4 Sn852; Calibrated: 2015-4-27
- Phantom: SAM1; Type: SAM; Serial: TP-1475
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

Configuration/Head/Area Scan (10x14x1): Measurement grid: dx=12mm, dy=12mm
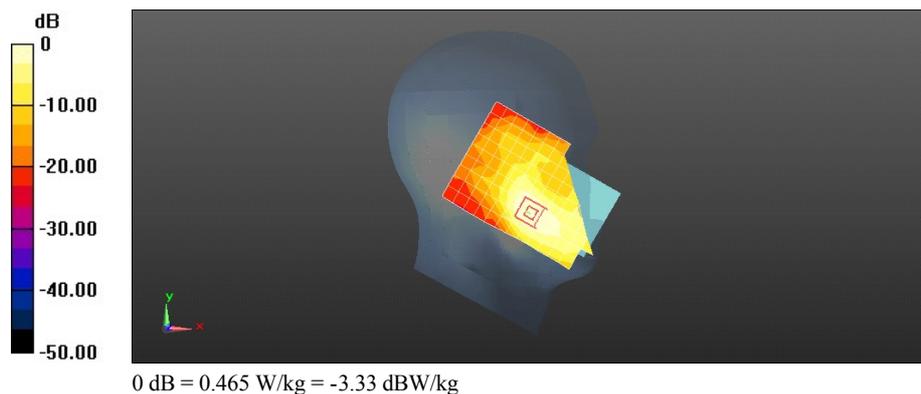Maximum value of SAR (measured) = 0.465 W/kg

Configuration/Head/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 2.743 V/m; Power Drift = 0.17 dB
Peak SAR (extrapolated) = 0.726 W/kg
SAR(1 g) = 0.413 W/kg; SAR(10 g) = 0.224 W/kg
Maximum value of SAR (measured) = 0.513 W/kg

0 dB = 0.465 W/kg = -3.33 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

SCL-L01 LTE Band VII 20M QPSK 1RB#0 20850CH Back side 15mm with battery 2#

DUT: HUAWEI SCL-L01; Type: Smart Phone; Serial: SAR1

Communication System: UID 0, LTE-FDD (SC-FDMA, 20MHz, QPSK/16-QAM) (0); Frequency: 2510 MHz;Duty Cycle: 1:1
Medium parameters used: f = 2510 MHz; σ = 2.104 S/m; ε_r = 50.759; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN7350; ConvF(7.15, 7.15, 7.15); Calibrated: 2015-1-8;
- Sensor-Surface: 3mm (Mechanical Surface Detection), z = 1.0, 31.0
- Electronics: DAE4 Sn852; Calibrated: 2015-4-27
- Phantom: SAM2; Type: SAM; Serial: TP:1474
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

Configuration/Body/Area Scan (9x15x1): Measurement grid: dx=12mm, dy=12mm
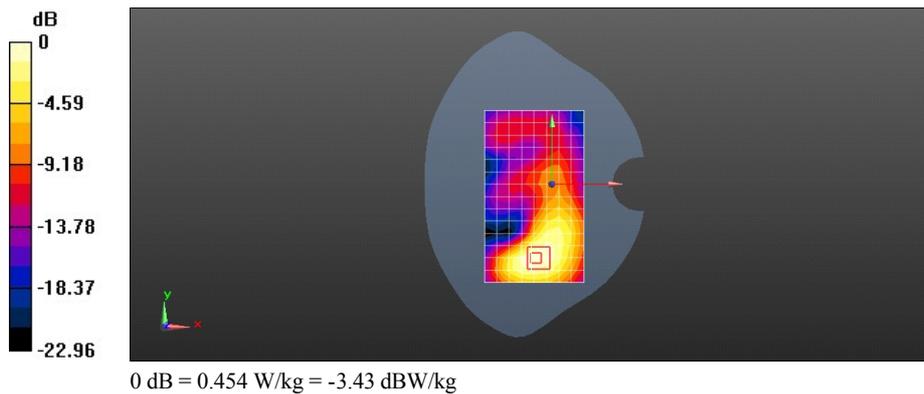Maximum value of SAR (measured) = 0.454 W/kg

Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 4.766 V/m; Power Drift = 0.03 dB
Peak SAR (extrapolated) = 0.670 W/kg
SAR(1 g) = 0.363 W/kg; SAR(10 g) = 0.203 W/kg
Maximum value of SAR (measured) = 0.452 W/kg

0 dB = 0.454 W/kg = -3.43 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

SCL-L01 LTE Band VII 20M QPSK 1RB#0 21350CH Bottom side 10mm with battery 2#-repeated

DUT: HUAWEI SCL-L01; Type: Smart Phone; Serial: SAR1

Communication System: UID 0, LTE-FDD (SC-FDMA, 20MHz, QPSK/16-QAM) (0); Frequency: 2560 MHz;Duty Cycle: 1:1

Medium parameters used: f = 2560 MHz; σ = 2.175 S/m; ε_r = 50.575; ρ = 1000 kg/m^3

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN7350; ConvF(7.15, 7.15, 7.15); Calibrated: 2015-1-8;
- Sensor-Surface: 3mm (Mechanical Surface Detection), z = 1.0, 31.0
- Electronics: DAE4 Sn852; Calibrated: 2015-4-27
- Phantom: SAM2; Type: SAM; Serial: TP:1474
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

Configuration/Body/Area Scan (7x10x1): Measurement grid: dx=12mm, dy=12mm
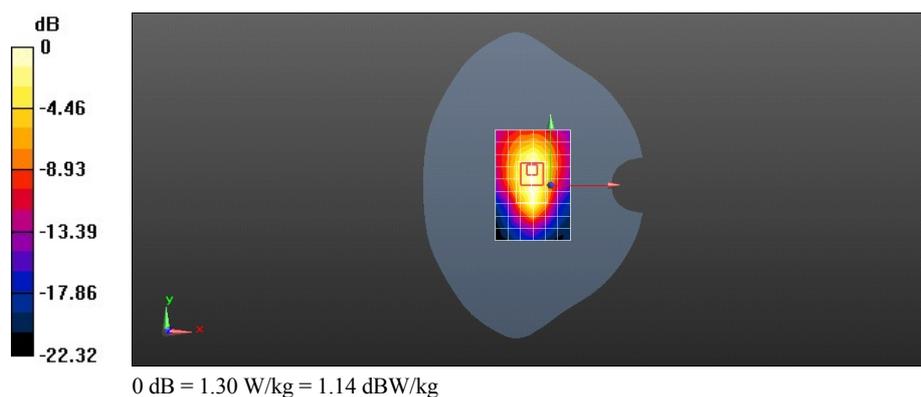Maximum value of SAR (measured) = 1.30 W/kg

Configuration/Body/Zoom Scan (7x9x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 23.15 V/m; Power Drift = -0.15 dB
Peak SAR (extrapolated) = 1.85 W/kg
SAR(1 g) = 0.995 W/kg; SAR(10 g) = 0.513 W/kg
Maximum value of SAR (measured) = 1.26 W/kg

0 dB = 1.30 W/kg = 1.14 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

SCL-L01 WIFI 2.4G 802.11b 1CH Left hand touch cheek

DUT: HUAWEI SCL-L01; Type: Smart Phone; Serial: SAR1

Communication System: UID 0, WiFi(802.11a/b/g/n/ac) (0); Frequency: 2412 MHz;Duty Cycle: 1:1
Medium parameters used: f = 2412 MHz; σ = 1.803 S/m; ε_r = 38.988; ρ = 1000 kg/m^3
Phantom section: Left Section

DASY Configuration:

- Probe: EX3DV4 - SN7350; ConvF(7.28, 7.28, 7.28); Calibrated: 2015-1-8;
- Sensor-Surface: 3mm (Mechanical Surface Detection), z = 1.0, 31.0
- Electronics: DAE4 Sn852; Calibrated: 2015-4-27
- Phantom: SAM1; Type: SAM; Serial: TP-1475
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

Configuration/Head/Area Scan (10x15x1): Measurement grid: dx=12mm, dy=12mm
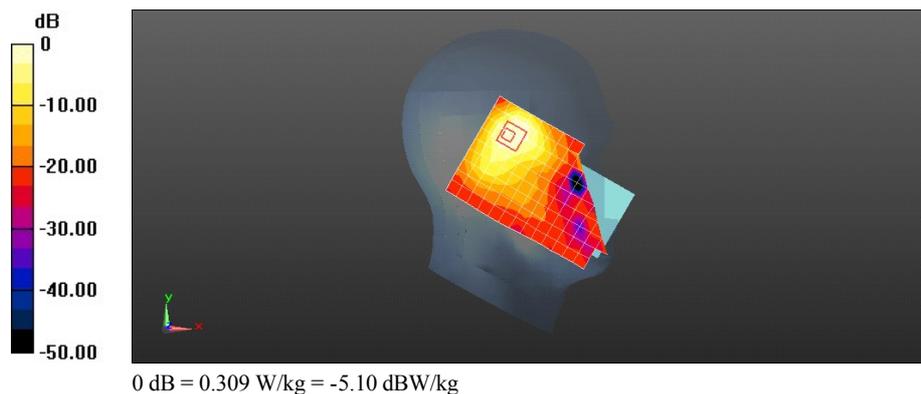Maximum value of SAR (measured) = 0.309 W/kg

Configuration/Head/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 7.100 V/m; Power Drift = -0.17 dB
Peak SAR (extrapolated) = 0.543 W/kg
SAR(1 g) = 0.261 W/kg; SAR(10 g) = 0.124 W/kg
Maximum value of SAR (measured) = 0.328 W/kg

0 dB = 0.309 W/kg = -5.10 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

SCL-L01 WIFI 2.4G 802.11b 6CH Front side 15mm

DUT: HUAWEI SCL-L01; Type: Smart Phone; Serial: SAR1

Communication System: UID 0, WiFi(802.11a/b/g/n/ac) (0); Frequency: 2437 MHz;Duty Cycle: 1:1
Medium parameters used: f = 2437 MHz; σ = 1.962 S/m; ε_r = 51.962; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN7350; ConvF(7.23, 7.23, 7.23); Calibrated: 2015-1-8;
- Sensor-Surface: 3mm (Mechanical Surface Detection), z = 1.0, 31.0
- Electronics: DAE4 Sn852; Calibrated: 2015-4-27
- Phantom: SAM2; Type: SAM; Serial: TP:1474
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

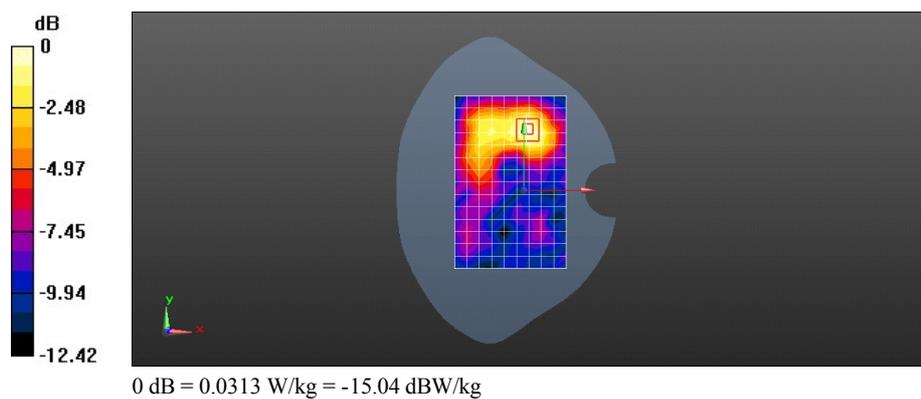**Configuration/Body/Area Scan (10x15x1):** Measurement grid: dx=12mm, dy=12mm
Maximum value of SAR (measured) = 0.0313 W/kg

Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 1.391 V/m; Power Drift = -0.11 dB
Peak SAR (extrapolated) = 0.0460 W/kg
SAR(1 g) = 0.026 W/kg; SAR(10 g) = 0.015 W/kg

0 dB = 0.0313 W/kg = -15.04 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

SCL-L01 WIFI 2.4G 802.11b 6CH Back side 10mm

DUT: HUAWEI SCL-L01; Type: Smart Phone; Serial: SAR1

Communication System: UID 0, WiFi(802.11a/b/g/n/ac) (0); Frequency: 2437 MHz;Duty Cycle: 1:1

Medium parameters used: f = 2437 MHz; σ = 1.962 S/m; $ε_r$ = 51.962; ρ = 1000 kg/m^3

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN7350; ConvF(7.23, 7.23, 7.23); Calibrated: 2015-1-8;
- Sensor-Surface: 3mm (Mechanical Surface Detection), z = 1.0, 31.0
- Electronics: DAE4 Sn852; Calibrated: 2015-4-27
- Phantom: SAM2; Type: SAM; Serial: TP:1474
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

Configuration/Body/Area Scan (9x15x1): Measurement grid: dx=12mm, dy=12mm
Maximum value of SAR (measured) = 0.0708 W/kg

Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 1.690 V/m; Power Drift = 0.10 dB
Peak SAR (extrapolated) = 0.104 W/kg
SAR(1 g) = 0.054 W/kg; SAR(10 g) = 0.028 W/kg
Maximum value of SAR (measured) = 0.0685 W/kg

0 dB = 0.0708 W/kg = -11.50 dBW/kg