

Test Laboratory: HUAWEI SAR/HAC Lab

### RIO-L03 GSM850 251CH Right hand touch cheek with SIM2-Main Antenna

DUT: HUAWEI RIO-L03, RIO-L03; Type: Smart Phone; Serial: SAR2

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;  $\sigma = 0.923$  S/m;  $\epsilon_r = 40.387$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Right Section

DASY Configuration:

- Probe: ES3DV3 - SN3168; ConvF(6.34, 6.34, 6.34); Calibrated: 2014-9-24;
- Sensor-Surface: 3mm (Mechanical Surface Detection),  $z = 2.0, 32.0$
- Electronics: DAE4 Sn1236; Calibrated: 2014-11-13
- Phantom: SAM4; Type: SAM; Serial: TP-1620
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

**Configuration/Head/Area Scan (9x14x1):** Measurement grid:  $dx=15$ mm,  $dy=15$ mm

Maximum value of SAR (measured) = 0.205 W/kg

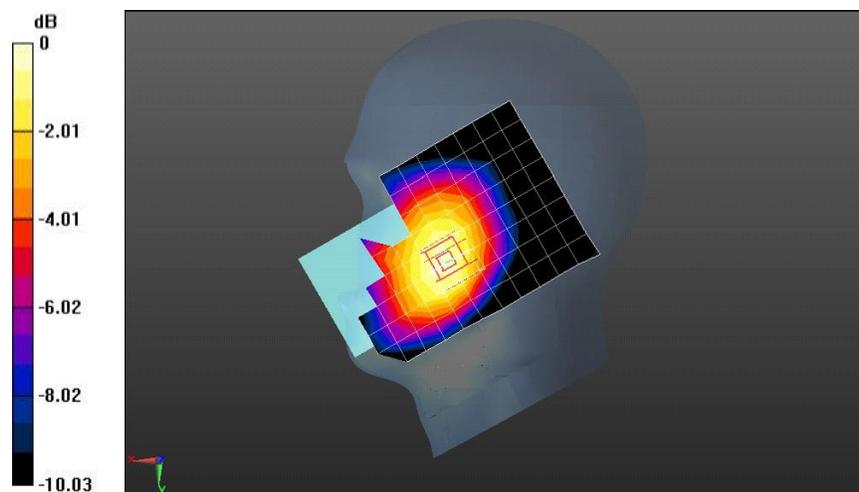
**Configuration/Head/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 4.193 V/m; Power Drift = -0.13 dB

Peak SAR (extrapolated) = 0.243 W/kg

**SAR(1 g) = 0.189 W/kg; SAR(10 g) = 0.144 W/kg**

Maximum value of SAR (measured) = 0.206 W/kg



0 dB = 0.206 W/kg = -6.86 dBW/kg

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### RIO-L03 GSM850 190CH Back Side 15m with SIM2 and Battery 2#-Main Antenna

DUT: HUAWEI RIO-L03, RIO-L03; Type: Smart Phone; Serial: SAR2

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;  $\sigma = 0.981$  S/m;  $\epsilon_r = 55.091$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY Configuration:

- Probe: ES3DV3 - SN3168; ConvF(6.12, 6.12, 6.12); Calibrated: 2014-9-24;
- Sensor-Surface: 3mm (Mechanical Surface Detection),  $z = 2.0, 32.0$
- Electronics: DAE4 Sn1236; Calibrated: 2014-11-13
- Phantom: SAM4; Type: SAM; Serial: TP-1620
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

**Configuration/Body/Area Scan (9x14x1):** Measurement grid:  $dx=15$ mm,  $dy=15$ mm

Maximum value of SAR (measured) = 0.241 W/kg

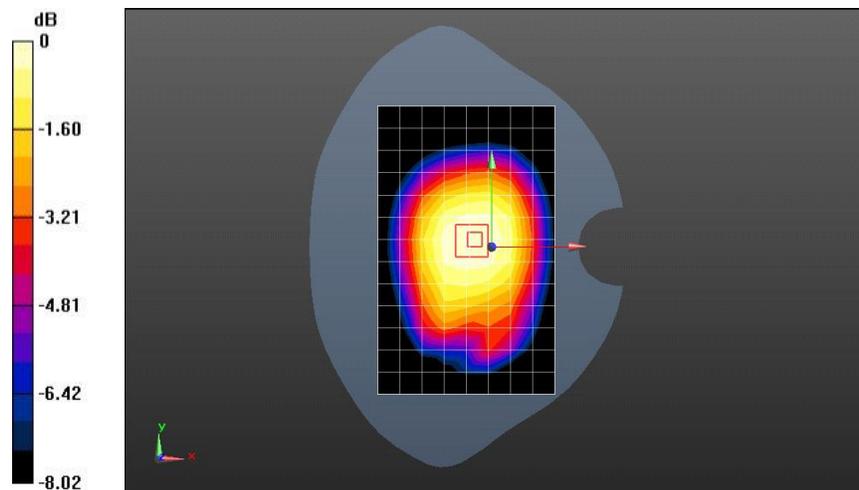
**Configuration/Body/Zoom Scan (6x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 15.46 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 0.276 W/kg

**SAR(1 g) = 0.221 W/kg; SAR(10 g) = 0.170 W/kg**

Maximum value of SAR (measured) = 0.242 W/kg



0 dB = 0.242 W/kg = -6.17 dBW/kg

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### RIO-L03 GSM850 GPRS 2TS 190CH Right Side 10m with battery 2#-Main Antenna

DUT: HUAWEI RIO-L03, RIO-L03; Type: Smart Phone; Serial: SAR2

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;  $\sigma = 0.981$  S/m;  $\epsilon_r = 55.091$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY Configuration:

- Probe: ES3DV3 - SN3168; ConvF(6.12, 6.12, 6.12); Calibrated: 2014-9-24;
- Sensor-Surface: 3mm (Mechanical Surface Detection),  $z = 2.0, 32.0$
- Electronics: DAE4 Sn1236; Calibrated: 2014-11-13
- Phantom: SAM4; Type: SAM; Serial: TP-1620
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

**Configuration/Body/Area Scan (5x14x1):** Measurement grid:  $dx=15$ mm,  $dy=15$ mm

Maximum value of SAR (measured) = 0.274 W/kg

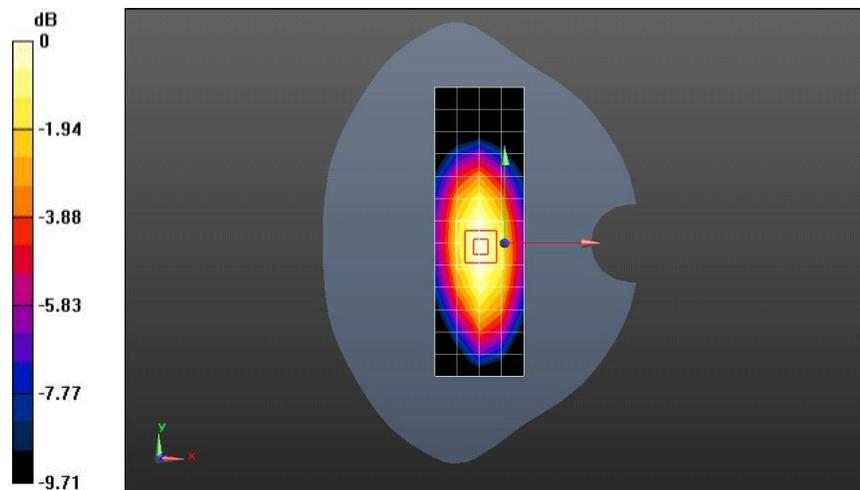
**Configuration/Body/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 16.24 V/m; Power Drift = -0.19 dB

Peak SAR (extrapolated) = 0.321 W/kg

**SAR(1 g) = 0.228 W/kg; SAR(10 g) = 0.156 W/kg**

Maximum value of SAR (measured) = 0.260 W/kg



0 dB = 0.260 W/kg = -5.85 dBW/kg

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### RIO-L03 GSM1900 810CH Left hand touch cheek with SIM2-Main Antenna

DUT: HUAWEI RIO-L03, RIO-L03; Type: Smart Phone; Serial: SAR2

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;  $\sigma = 1.41$  S/m;  $\epsilon_r = 39.564$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Left Section

DASY Configuration:

- Probe: ES3DV3 - SN3168; ConvF(5.09, 5.09, 5.09); Calibrated: 2014-9-24;
- Sensor-Surface: 3mm (Mechanical Surface Detection),  $z = 2.0, 32.0$
- Electronics: DAE4 Sn1236; Calibrated: 2014-11-13
- Phantom: SAM4; Type: SAM; Serial: TP-1620
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

**Configuration/Head/Area Scan (9x14x1):** Measurement grid:  $dx=15$ mm,  $dy=15$ mm

Maximum value of SAR (measured) = 0.110 W/kg

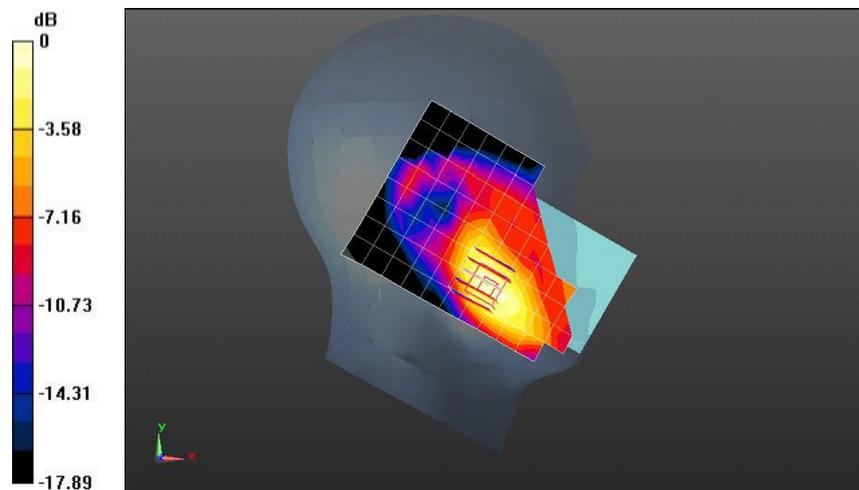
**Configuration/Head/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 2.873 V/m; Power Drift = 0.09 dB

Peak SAR (extrapolated) = 0.152 W/kg

**SAR(1 g) = 0.100 W/kg; SAR(10 g) = 0.062 W/kg**

Maximum value of SAR (measured) = 0.117 W/kg



0 dB = 0.117 W/kg = -9.33 dBW/kg

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### RIO-L03 GSM1900 661CH Back side 15mm with SIM2 and Battery 2#-Main Antenna

DUT: HUAWEI RIO-L03, RIO-L03; Type: Smart Phone; Serial: SAR2

Communication System: UID 0, HW-GSM\GPRS\EGPRS-1TS (0); Frequency: 1880 MHz; Duty Cycle: 1:8.30042

Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.562$  S/m;  $\epsilon_r = 53.362$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY Configuration:

- Probe: ES3DV3 - SN3168; ConvF(4.72, 4.72, 4.72); Calibrated: 2014-9-24;
- Sensor-Surface: 3mm (Mechanical Surface Detection),  $z = 2.0, 32.0$
- Electronics: DAE4 Sn1236; Calibrated: 2014-11-13
- Phantom: SAM4; Type: SAM; Serial: TP-1620
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

**Configuration/Body/Area Scan (9x14x1):** Measurement grid:  $dx=15$ mm,  $dy=15$ mm

Maximum value of SAR (measured) = 0.320 W/kg

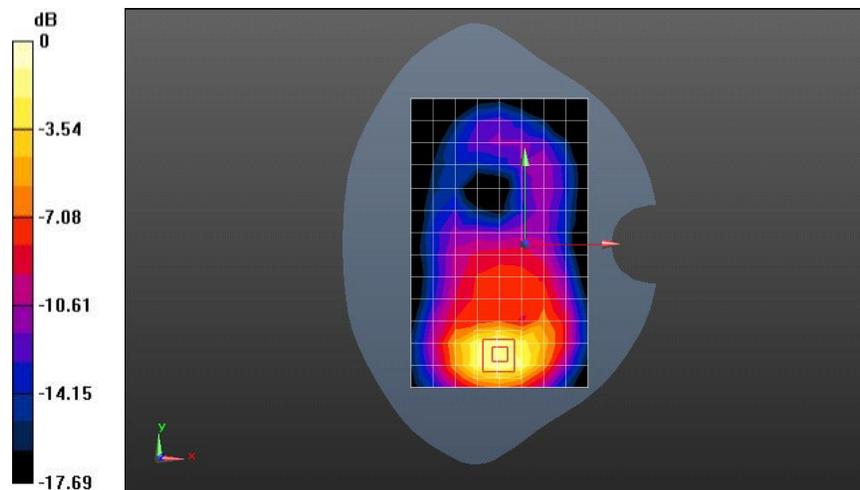
**Configuration/Body/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 5.556 V/m; Power Drift = 0.10 dB

Peak SAR (extrapolated) = 0.558 W/kg

**SAR(1 g) = 0.348 W/kg; SAR(10 g) = 0.200 W/kg**

Maximum value of SAR (measured) = 0.421 W/kg



0 dB = 0.421 W/kg = -3.76 dBW/kg

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## RIO-L03 GSM1900 GPRS 2TS 810CH Bottom side-repeated 10mm with battery 2#-Main Antenna

DUT: HUAWEI RIO-L03, RIO-L03; Type: Smart Phone; Serial: SAR2

Communication System: UID 0, HW-GSM\GPRS\EGPRS-2TS (0); Frequency: 1909.8 MHz; Duty Cycle: 1:4.10015

Medium parameters used:  $f = 1910$  MHz;  $\sigma = 1.594$  S/m;  $\epsilon_r = 53.229$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY Configuration:

- Probe: ES3DV3 - SN3168; ConvF(4.72, 4.72, 4.72); Calibrated: 2014-9-24;
- Sensor-Surface: 3mm (Mechanical Surface Detection),  $z = 2.0, 32.0$
- Electronics: DAE4 Sn1236; Calibrated: 2014-11-13
- Phantom: SAM4; Type: SAM; Serial: TP-1620
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

**Configuration/Body/Area Scan (7x10x1):** Measurement grid:  $dx=15$ mm,  $dy=15$ mm

Maximum value of SAR (measured) = 1.33 W/kg

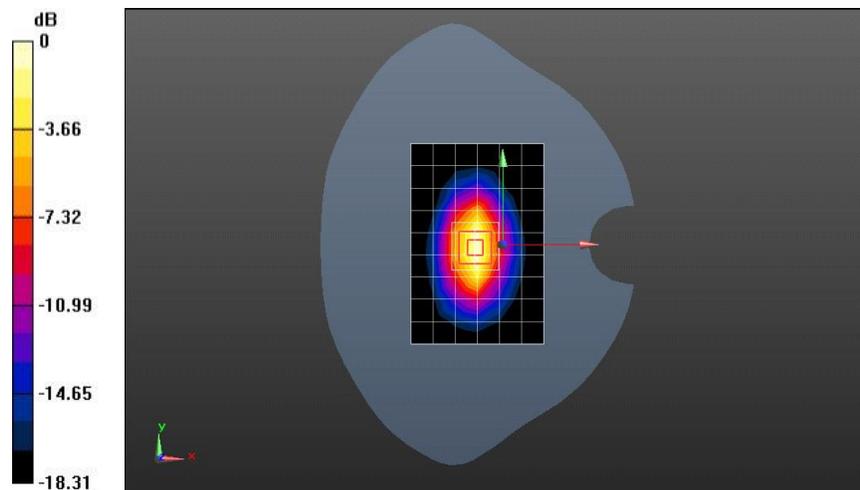
**Configuration/Body/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 30.39 V/m; Power Drift = 0.12 dB

Peak SAR (extrapolated) = 1.93 W/kg

**SAR(1 g) = 1.13 W/kg; SAR(10 g) = 0.593 W/kg**

Maximum value of SAR (measured) = 1.42 W/kg



0 dB = 1.42 W/kg = 1.51 dBW/kg

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### RIO-L03 GSM1900 GPRS 2TS 661CH Bottom side 0mm with SIM2-Main Antenna

DUT: HUAWEI RIO-L03, RIO-L03; Type: Smart Phone; Serial: SAR2

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

Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.562$  S/m;  $\epsilon_r = 53.362$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY Configuration:

- Probe: ES3DV3 - SN3168; ConvF(4.72, 4.72, 4.72); Calibrated: 2014-9-24;
- Sensor-Surface: 3mm (Mechanical Surface Detection),  $z = 2.0, 32.0$
- Electronics: DAE4 Sn1236; Calibrated: 2014-11-13
- Phantom: SAM4; Type: SAM; Serial: TP-1620
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

**Configuration/Body/Area Scan (7x10x1):** Measurement grid:  $dx=15$ mm,  $dy=15$ mm

Maximum value of SAR (measured) = 4.30 W/kg

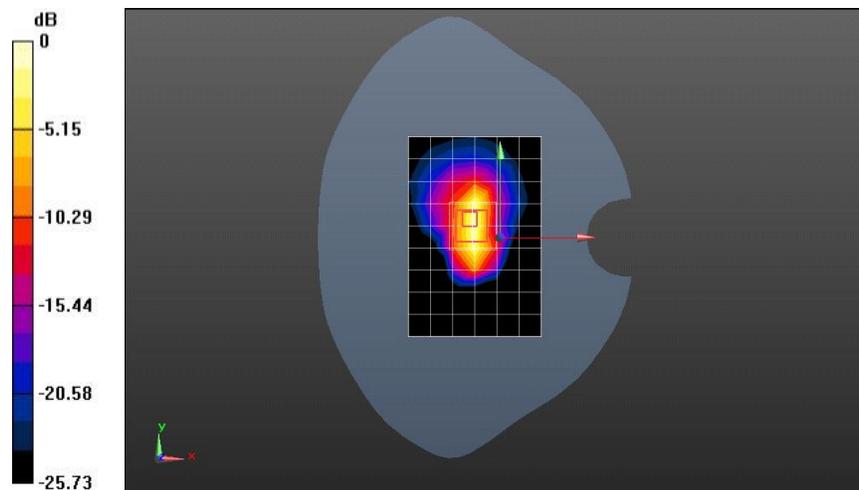
**Configuration/Body/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 51.21 V/m; Power Drift = 0.16 dB

Peak SAR (extrapolated) = 8.06 W/kg

**SAR(1 g) = 3.57 W/kg; SAR(10 g) = 1.5 W/kg**

Maximum value of SAR (measured) = 5.73 W/kg



0 dB = 5.73 W/kg = 7.58 dBW/kg

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### RIO-L03 UMTS Band II 9538CH Left hand touch cheek-Main Antenna

DUT: HUAWEI RIO-L03, RIO-L03; Type: Smart Phone; Serial: SAR2

Communication System: UID 0, HW-UMTS-FDD(WCDMA) (0); Frequency: 1907.6 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 1908$  MHz;  $\sigma = 1.443$  S/m;  $\epsilon_r = 39.43$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Left Section

DASY Configuration:

- Probe: ES3DV3 - SN3168; ConvF(5.09, 5.09, 5.09); Calibrated: 2014-9-24;
- Sensor-Surface: 3mm (Mechanical Surface Detection),  $z = 2.0, 32.0$
- Electronics: DAE4 Sn1236; Calibrated: 2014-11-13
- Phantom: SAM4; Type: SAM; Serial: TP-1620
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

**Configuration/Head/Area Scan (9x14x1):** Measurement grid:  $dx=15$ mm,  $dy=15$ mm

Maximum value of SAR (measured) = 0.258 W/kg

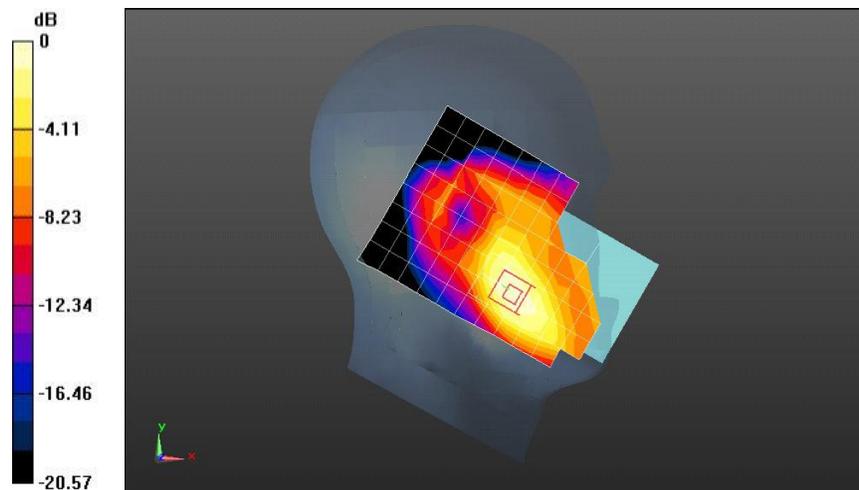
**Configuration/Head/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 5.606 V/m; Power Drift = 0.17 dB

Peak SAR (extrapolated) = 0.336 W/kg

**SAR(1 g) = 0.223 W/kg; SAR(10 g) = 0.141 W/kg**

Maximum value of SAR (measured) = 0.254 W/kg



0 dB = 0.254 W/kg = -5.95 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

### RIO-L03 UMTS Band II 9538CH Back Side 15mm-Main Antenna

DUT: HUAWEI RIO-L03, RIO-L03; Type: Smart Phone; Serial: SAR2

Communication System: UID 0, HW-UMTS-FDD(WCDMA) (0); Frequency: 1907.6 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 1908$  MHz;  $\sigma = 1.577$  S/m;  $\epsilon_r = 53.3$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY Configuration:

- Probe: ES3DV3 - SN3168; ConvF(4.72, 4.72, 4.72); Calibrated: 2014-9-24;
- Sensor-Surface: 3mm (Mechanical Surface Detection),  $z = 2.0, 32.0$
- Electronics: DAE4 Sn1236; Calibrated: 2014-11-13
- Phantom: SAM3; Type: SAM; Serial: TP-1597
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

**Configuration/Body/Area Scan (9x14x1):** Measurement grid:  $dx=15$ mm,  $dy=15$ mm

Maximum value of SAR (measured) = 0.739 W/kg

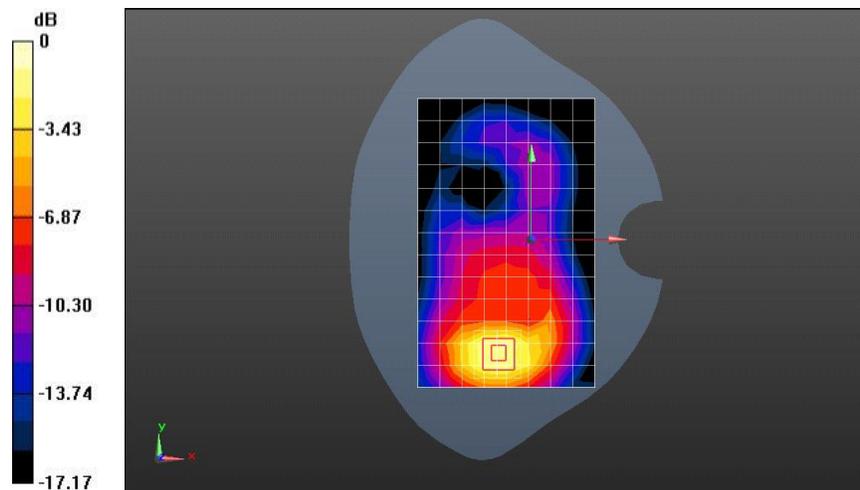
**Configuration/Body/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 7.826 V/m; Power Drift = 0.08 dB

Peak SAR (extrapolated) = 1.24 W/kg

**SAR(1 g) = 0.774 W/kg; SAR(10 g) = 0.451 W/kg**

Maximum value of SAR (measured) = 0.933 W/kg



0 dB = 0.933 W/kg = -0.30 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

### RIO-L03 UMTS Band II 9538CH Bottom Side 10mm with Battery 2#-Main Antenna

DUT: HUAWEI RIO-L03, RIO-L03; Type: Smart Phone; Serial: SAR2

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

Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.562$  S/m;  $\epsilon_r = 53.362$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY Configuration:

- Probe: ES3DV3 - SN3168; ConvF(4.72, 4.72, 4.72); Calibrated: 2014-9-24;
- Sensor-Surface: 3mm (Mechanical Surface Detection),  $z = 2.0, 32.0$
- Electronics: DAE4 Sn1236; Calibrated: 2014-11-13
- Phantom: SAM4; Type: SAM; Serial: TP-1620
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

**Configuration/Body/Area Scan (5x9x1):** Measurement grid:  $dx=15$ mm,  $dy=15$ mm

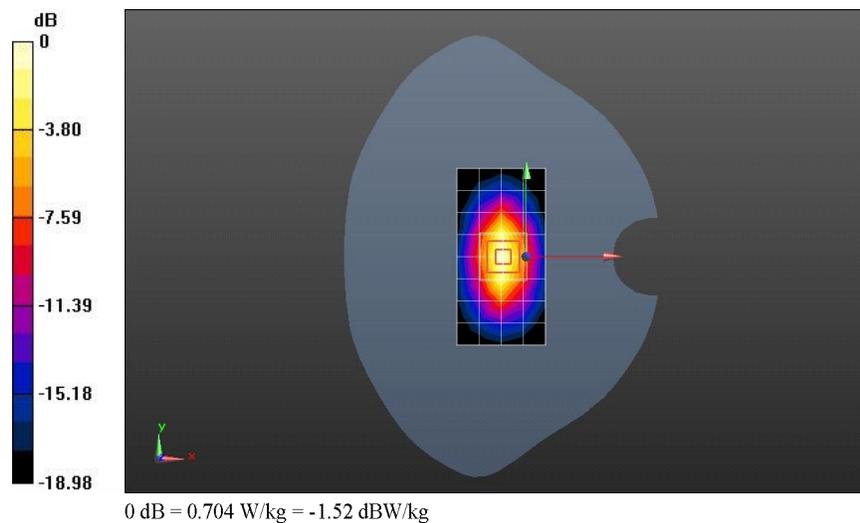
Maximum value of SAR (measured) = 0.704 W/kg

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

Reference Value = 20.55 V/m; Power Drift = -0.07 dB

Peak SAR (extrapolated) = 0.972 W/kg

**SAR(1 g) = 0.561 W/kg; SAR(10 g) = 0.291 W/kg**



Test Laboratory: HUAWEI SAR/HAC Lab

### RIO-L03 UMTS Band II 9262CH Bottom Side 0mm with Battery 2#-Main Antenna

DUT: HUAWEI RIO-L03, RIO-L03; Type: Smart Phone; Serial: SAR2

Communication System: UID 0, HW-UMTS-FDD(WCDMA) (0); Frequency: 1852.4 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated):  $f = 1852.4$  MHz;  $\sigma = 1.529$  S/m;  $\epsilon_r = 53.439$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY Configuration:

- Probe: ES3DV3 - SN3168; ConvF(4.72, 4.72, 4.72); Calibrated: 2014-9-24;
- Sensor-Surface: 3mm (Mechanical Surface Detection),  $z = 2.0, 32.0$
- Electronics: DAE4 Sn1236; Calibrated: 2014-11-13
- Phantom: SAM4; Type: SAM; Serial: TP-1620
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

**Configuration/Body/Area Scan (5x9x1):** Measurement grid:  $dx=15$ mm,  $dy=15$ mm

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 11.3 W/kg

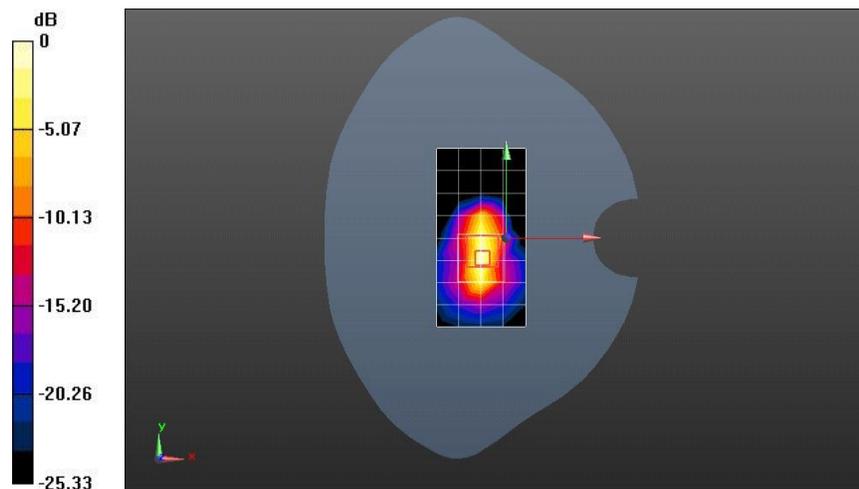
**Configuration/Body/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 65.95 V/m; Power Drift = -0.08 dB

Peak SAR (extrapolated) = 15.8 W/kg

**SAR(1 g) = 7.05 W/kg; SAR(10 g) = 2.94 W/kg**

Info: Interpolated medium parameters used for SAR evaluation.



0 dB = 11.3 W/kg = 10.52 dBW/kg

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### RIO-L03 UMTS Band IV 1312CH Left hand touch cheek-Main Antenna

DUT: HUAWEI RIO-L03, RIO-L03; Type: Smart Phone; Serial: SAR2

Communication System: UID 0, HW-UMTS-FDD(WCDMA) (0); Frequency: 1712.4 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated):  $f = 1712.4$  MHz;  $\sigma = 1.308$  S/m;  $\epsilon_r = 39.308$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Left Section

DASY Configuration:

- Probe: ES3DV3 - SN3168; ConvF(5.25, 5.25, 5.25); Calibrated: 2014-9-24;
- Sensor-Surface: 3mm (Mechanical Surface Detection),  $z = 2.0, 32.0$
- Electronics: DAE4 Sn1236; Calibrated: 2014-11-13
- Phantom: SAM3; Type: SAM; Serial: TP-1597
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

**Configuration/Head/Area Scan (9x14x1):** Measurement grid:  $dx=15$ mm,  $dy=15$ mm

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.345 W/kg

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

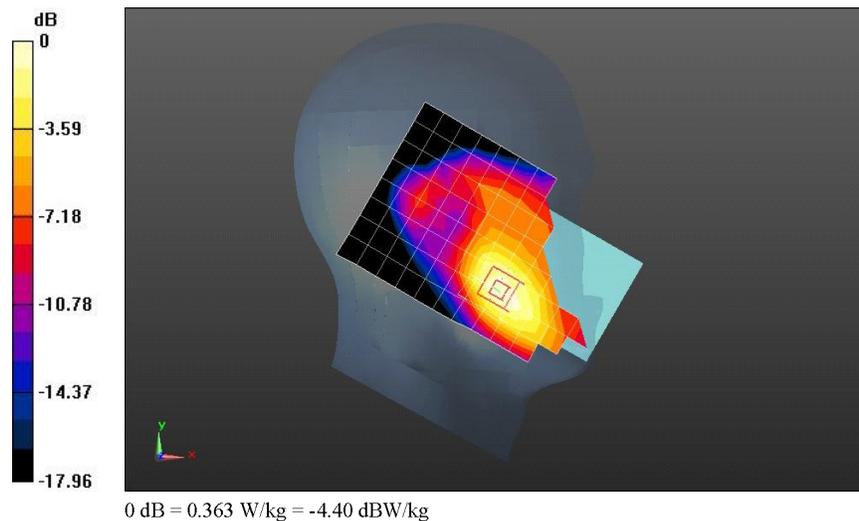
Reference Value = 6.626 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 0.469 W/kg

**SAR(1 g) = 0.310 W/kg; SAR(10 g) = 0.197 W/kg**

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.363 W/kg



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### RIO-L03 UMTS Band IV 1413CH Back side 15mm with Battery 2#-Main Antenna

DUT: HUAWEI RIO-L03, RIO-L03; Type: Smart Phone; Serial: SAR2

Communication System: UID 0, HW-UMTS-FDD(WCDMA) (0); Frequency: 1732.6 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 1733$  MHz;  $\sigma = 1.529$  S/m;  $\epsilon_r = 51.997$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY Configuration:

- Probe: ES3DV3 - SN3168; ConvF(4.93, 4.93, 4.93); Calibrated: 2014-9-24;
- Sensor-Surface: 3mm (Mechanical Surface Detection),  $z = 2.0, 32.0$
- Electronics: DAE4 Sn1236; Calibrated: 2014-11-13
- Phantom: SAM3; Type: SAM; Serial: TP-1597
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

**Configuration/Body/Area Scan (8x14x1):** Measurement grid:  $dx=15$ mm,  $dy=15$ mm

Maximum value of SAR (measured) = 0.796 W/kg

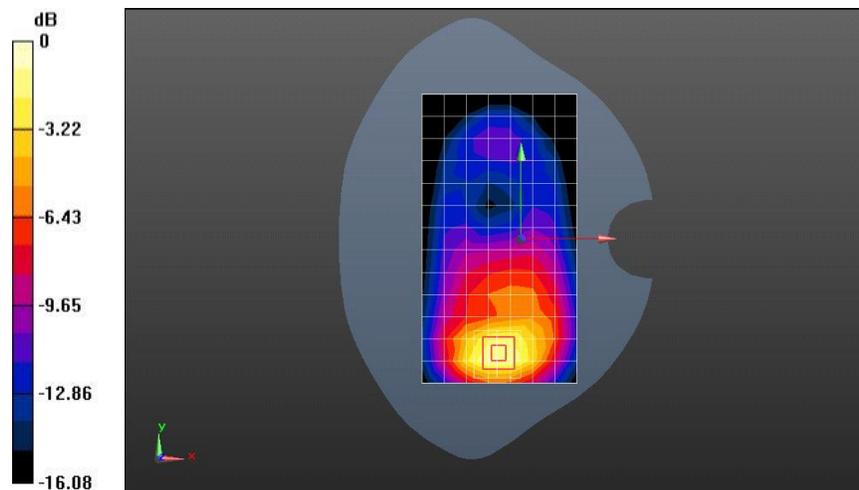
**Configuration/Body/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 6.747 V/m; Power Drift = 0.15 dB

Peak SAR (extrapolated) = 1.30 W/kg

**SAR(1 g) = 0.814 W/kg; SAR(10 g) = 0.469 W/kg**

Maximum value of SAR (measured) = 0.983 W/kg



0 dB = 0.983 W/kg = -0.08 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

### RIO-L03 UMTS Band IV 1413CH Bottom side 10mm with battery 2#-repeated-Main Antenna

DUT: HUAWEI RIO-L03, RIO-L03; Type: Smart Phone; Serial: SAR2

Communication System: UID 0, HW-UMTS-FDD(WCDMA) (0); Frequency: 1732.6 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 1733$  MHz;  $\sigma = 1.529$  S/m;  $\epsilon_r = 51.997$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY Configuration:

- Probe: ES3DV3 - SN3168; ConvF(4.93, 4.93, 4.93); Calibrated: 2014-9-24;
- Sensor-Surface: 3mm (Mechanical Surface Detection),  $z = 2.0, 32.0$
- Electronics: DAE4 Sn1236; Calibrated: 2014-11-13
- Phantom: SAM3; Type: SAM; Serial: TP-1597
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

**Configuration/Body/Area Scan (6x10x1):** Measurement grid:  $dx=15$ mm,  $dy=15$ mm

Maximum value of SAR (measured) = 1.13 W/kg

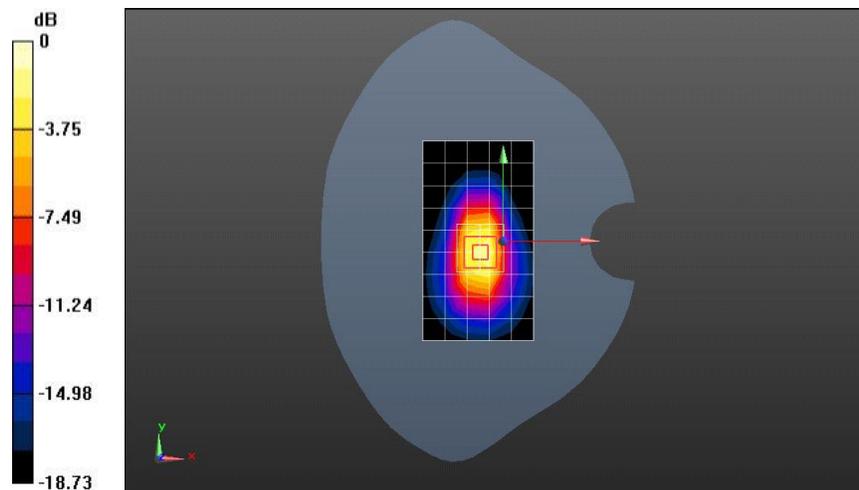
**Configuration/Body/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 29.44 V/m; Power Drift = -0.10 dB

Peak SAR (extrapolated) = 2.13 W/kg

**SAR(1 g) = 1.24 W/kg; SAR(10 g) = 0.643 W/kg**

Maximum value of SAR (measured) = 1.54 W/kg



0 dB = 1.54 W/kg = 1.89 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

### RIO-L03 UMTS Band IV 1312CH Back side 0mm with Battery 2#-Main Antenna

DUT: HUAWEI RIO-L03, RIO-L03; Type: Smart Phone; Serial: SAR2

Communication System: UID 0, HW-UMTS-FDD(WCDMA) (0); Frequency: 1712.4 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated):  $f = 1712.4$  MHz;  $\sigma = 1.494$  S/m;  $\epsilon_r = 51.183$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY Configuration:

- Probe: ES3DV3 - SN3168; ConvF(4.93, 4.93, 4.93); Calibrated: 2014-9-24;
- Sensor-Surface: 3mm (Mechanical Surface Detection),  $z = 2.0, 32.0$
- Electronics: DAE4 Sn1236; Calibrated: 2014-11-13
- Phantom: SAM3; Type: SAM; Serial: TP-1597
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

**Configuration/Body/Area Scan (8x14x1):** Measurement grid:  $dx=15$ mm,  $dy=15$ mm

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 5.42 W/kg

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

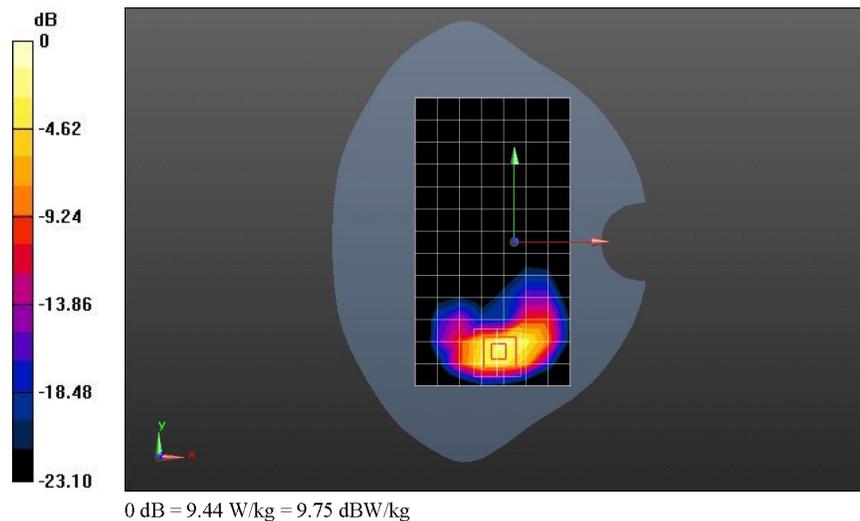
Reference Value = 1.604 V/m; Power Drift = 0.18 dB

Peak SAR (extrapolated) = 14.1 W/kg

**SAR(1 g) = 7.13 W/kg; SAR(10 g) = 3.29 W/kg**

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 9.44 W/kg



Test Laboratory: HUAWEI SAR/HAC Lab

### RIO-L03 UMTS Band V 4233CH Right hand touch cheek-Main Antenna

DUT: HUAWEI RIO-L03, RIO-L03; Type: Smart Phone; Serial: SAR2

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

Medium parameters used:  $f = 847$  MHz;  $\sigma = 0.913$  S/m;  $\epsilon_r = 43.243$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Right Section

DASY Configuration:

- Probe: ES3DV3 - SN3168; ConvF(6.34, 6.34, 6.34); Calibrated: 2014-9-24;
- Sensor-Surface: 3mm (Mechanical Surface Detection),  $z = 2.0, 32.0$
- Electronics: DAE4 Sn1236; Calibrated: 2014-11-13
- Phantom: SAM4; Type: SAM; Serial: TP-1620
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

**Configuration/Head/Area Scan (9x14x1):** Measurement grid:  $dx=15$ mm,  $dy=15$ mm

Maximum value of SAR (measured) = 0.151 W/kg

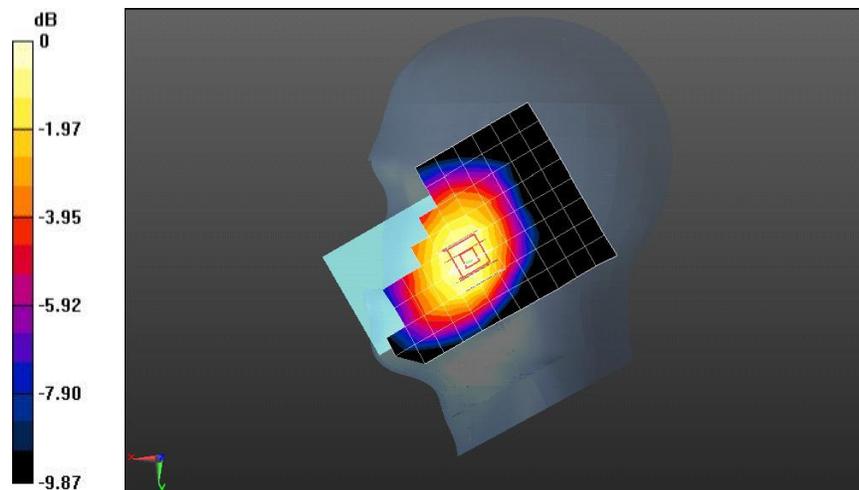
**Configuration/Head/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 3.144 V/m; Power Drift = 0.09 dB

Peak SAR (extrapolated) = 0.175 W/kg

**SAR(1 g) = 0.137 W/kg; SAR(10 g) = 0.105 W/kg**

Maximum value of SAR (measured) = 0.150 W/kg



0 dB = 0.150 W/kg = -8.24 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

### RIO-L03 UMTS Band V 4182CH Back Side 15mm-Main Antenna

DUT: HUAWEI RIO-L03, RIO-L03; Type: Smart Phone; Serial: SAR2

Communication System: UID 0, HW-UMTS-FDD(WCDMA) (0); Frequency: 836.4 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated):  $f = 836.4$  MHz;  $\sigma = 0.964$  S/m;  $\epsilon_r = 55.142$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY Configuration:

- Probe: ES3DV3 - SN3168; ConvF(6.12, 6.12, 6.12); Calibrated: 2014-9-24;
- Sensor-Surface: 3mm (Mechanical Surface Detection),  $z = 2.0, 32.0$
- Electronics: DAE4 Sn1236; Calibrated: 2014-11-13
- Phantom: SAM4; Type: SAM; Serial: TP-1620
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

**Configuration/Body/Area Scan (9x14x1):** Measurement grid:  $dx=15$ mm,  $dy=15$ mm

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 0.237 W/kg

**Configuration/Body/Zoom Scan (6x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

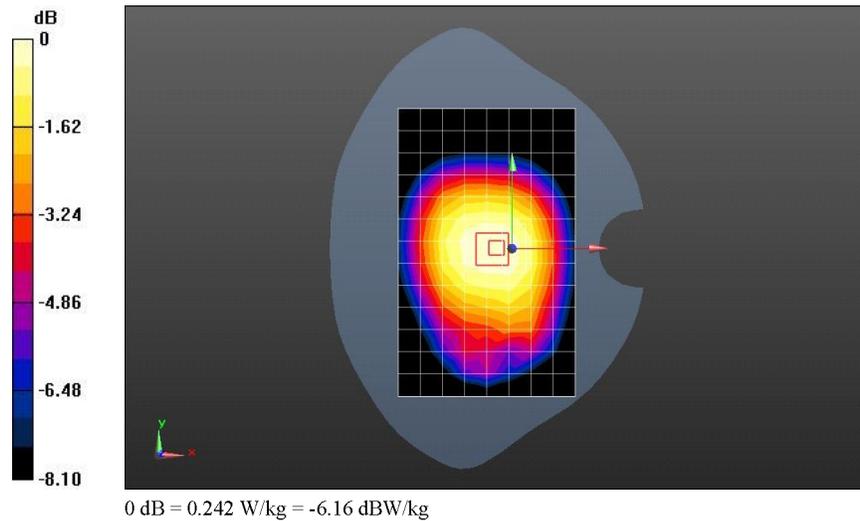
Reference Value = 15.51 V/m; Power Drift = 0.05 dB

Peak SAR (extrapolated) = 0.276 W/kg

**SAR(1 g) = 0.221 W/kg; SAR(10 g) = 0.171 W/kg**

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 0.242 W/kg



Test Laboratory: HUAWEI SAR/HAC Lab

### RIO-L03 UMTS Band V 4182CH Right Side 10mm-Main Antenna

DUT: RIO-L03; Type: Smart Phone; Serial: SAR2

Communication System: UID 0, HW-UMTS-FDD(WCDMA) (0); Frequency: 836.4 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated):  $f = 836.4$  MHz;  $\sigma = 0.964$  S/m;  $\epsilon_r = 55.142$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY Configuration:

- Probe: ES3DV3 - SN3168; ConvF(6.12, 6.12, 6.12); Calibrated: 2014-9-24;
- Sensor-Surface: 3mm (Mechanical Surface Detection),  $z = 2.0, 32.0$
- Electronics: DAE4 Sn1236; Calibrated: 2014-11-13
- Phantom: SAM4; Type: SAM; Serial: TP-1620
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

**Configuration/Body/Area Scan (6x14x1):** Measurement grid:  $dx=15$ mm,  $dy=15$ mm

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 0.179 W/kg

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

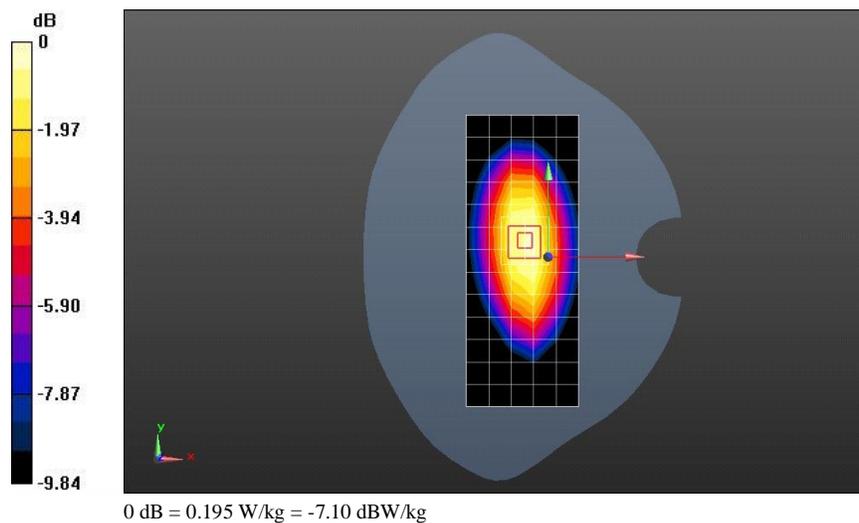
Reference Value = 13.52 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 0.241 W/kg

**SAR(1 g) = 0.169 W/kg; SAR(10 g) = 0.114 W/kg**

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 0.195 W/kg



Test Laboratory: HUAWEI SAR/HAC Lab

### RIO-L03 LTE Band II 20M QPSK 1RB#50 19100CH Left hand touch cheek-Main Antenna

DUT: HUAWEI RIO-L03, RIO-L03; Type: Smart Phone; Serial: SAR2

Communication System: UID 0, LTE-FDD (SC-FDMA, 20MHz, QPSK/16-QAM) (0); Frequency: 1900 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 1900$  MHz;  $\sigma = 1.433$  S/m;  $\epsilon_r = 39.53$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Left Section

DASY Configuration:

- Probe: ES3DV3 - SN3168; ConvF(5.09, 5.09, 5.09); Calibrated: 2014-9-24;
- Sensor-Surface: 3mm (Mechanical Surface Detection),  $z = 2.0, 32.0$
- Electronics: DAE4 Sn1236; Calibrated: 2014-11-13
- Phantom: SAM4; Type: SAM; Serial: TP-1620
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

**Configuration/Head/Area Scan (9x14x1):** Measurement grid:  $dx=15$ mm,  $dy=15$ mm

Maximum value of SAR (measured) = 0.232 W/kg

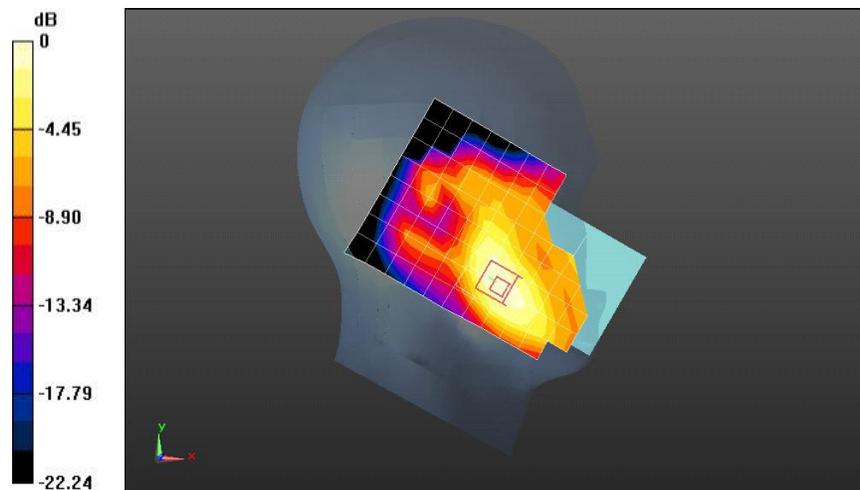
**Configuration/Head/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 5.811 V/m; Power Drift = 0.16 dB

Peak SAR (extrapolated) = 0.299 W/kg

**SAR(1 g) = 0.195 W/kg; SAR(10 g) = 0.122 W/kg**

Maximum value of SAR (measured) = 0.224 W/kg



0 dB = 0.224 W/kg = -6.50 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

## RIO-L03 LTE Band II 20M QPSK 1RB#50 19100CH Back Side 15mm-Main Antenna

DUT: HUAWEI RIO-L03, RIO-L03; Type: Smart Phone; Serial: SAR2

Communication System: UID 0, LTE-FDD (SC-FDMA, 20MHz, QPSK/16-QAM) (0); Frequency: 1900 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 1900$  MHz;  $\sigma = 1.569$  S/m;  $\epsilon_r = 53.398$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY Configuration:

- Probe: ES3DV3 - SN3168; ConvF(4.72, 4.72, 4.72); Calibrated: 2014-9-24;
- Sensor-Surface: 3mm (Mechanical Surface Detection),  $z = 2.0, 32.0$
- Electronics: DAE4 Sn1236; Calibrated: 2014-11-13
- Phantom: SAM3; Type: SAM; Serial: TP-1597
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

**Configuration/Body/Area Scan (9x14x1):** Measurement grid:  $dx=15$ mm,  $dy=15$ mm

Maximum value of SAR (measured) = 0.651 W/kg

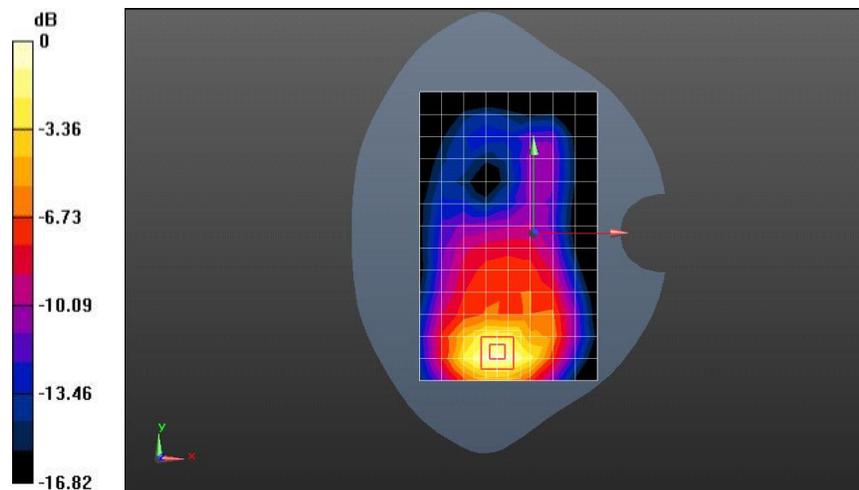
**Configuration/Body/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 7.283 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 0.991 W/kg

**SAR(1 g) = 0.623 W/kg; SAR(10 g) = 0.363 W/kg**

Maximum value of SAR (measured) = 0.746 W/kg



0 dB = 0.746 W/kg = -1.27 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

### RIO-L03 LTE Band II 20M QPSK 50%RB#0 19100CH Bottom Side 10mm with Battery 2#-Main Antenna

DUT: HUAWEI RIO-L03, RIO-L03; Type: Smart Phone; Serial: SAR2

Communication System: UID 0, LTE-FDD (SC-FDMA, 20MHz, QPSK/16-QAM) (0); Frequency: 1880 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.562$  S/m;  $\epsilon_r = 53.362$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY Configuration:

- Probe: ES3DV3 - SN3168; ConvF(4.72, 4.72, 4.72); Calibrated: 2014-9-24;
- Sensor-Surface: 3mm (Mechanical Surface Detection),  $z = 2.0, 32.0$
- Electronics: DAE4 Sn1236; Calibrated: 2014-11-13
- Phantom: SAM4; Type: SAM; Serial: TP-1620
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

**Configuration/Body/Area Scan (5x9x1):** Measurement grid:  $dx=15$ mm,  $dy=15$ mm

Maximum value of SAR (measured) = 0.906 W/kg

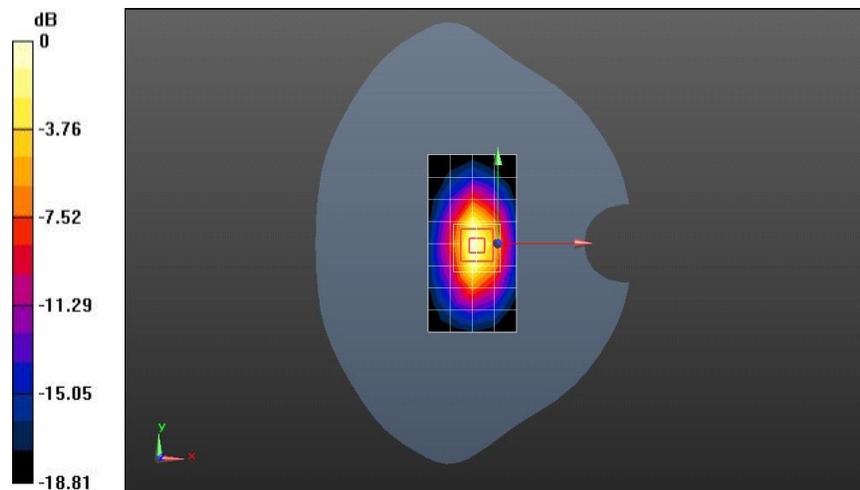
**Configuration/Body/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 23.28 V/m; Power Drift = -0.14 dB

Peak SAR (extrapolated) = 1.29 W/kg

**SAR(1 g) = 0.748 W/kg; SAR(10 g) = 0.392 W/kg**

Maximum value of SAR (measured) = 0.936 W/kg



Test Laboratory: HUAWEI SAR/HAC Lab

### RIO-L03 LTE Band II 20M QPSK 1RB#50 19100CH Bottom Side 0mm-Main Antenna-Repeated

DUT: HUAWEI RIO-L03, RIO-L03; Type: Smart Phone; Serial: SAR2

Communication System: UID 0, LTE-FDD (SC-FDMA, 20MHz, QPSK/16-QAM) (0); Frequency: 1900 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 1900$  MHz;  $\sigma = 1.591$  S/m;  $\epsilon_r = 53.355$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY Configuration:

- Probe: ES3DV3 - SN3168; ConvF(4.72, 4.72, 4.72); Calibrated: 2014-9-24;
- Sensor-Surface: 3mm (Mechanical Surface Detection),  $z = 2.0, 32.0$
- Electronics: DAE4 Sn1236; Calibrated: 2014-11-13
- Phantom: SAM3; Type: SAM; Serial: TP-1597
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

**Configuration/Body/Area Scan (5x9x1):** Measurement grid:  $dx=15$ mm,  $dy=15$ mm

Maximum value of SAR (measured) = 7.82 W/kg

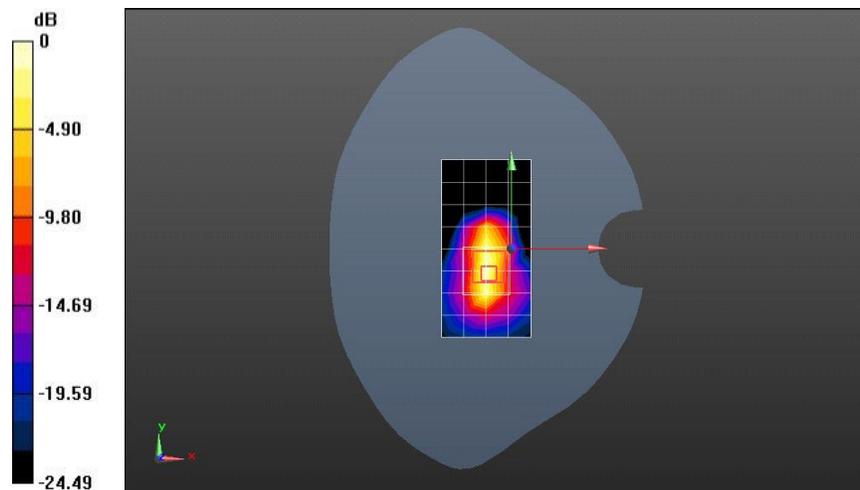
**Configuration/Body/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 56.99 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 12.8 W/kg

**SAR(1 g) = 5.9 W/kg; SAR(10 g) = 2.47 W/kg**

Maximum value of SAR (measured) = 8.80 W/kg



0 dB = 8.80 W/kg = 9.44 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

### RIO-L03 LTE Band IV 20M QPSK 1RB#0 20050CH Left hand touch cheek-Main Antenna

DUT: HUAWEI RIO-L03, RIO-L03; Type: Smart Phone; Serial: SAR2

Communication System: UID 0, LTE-FDD (SC-FDMA, 20MHz, QPSK/16-QAM) (0); Frequency: 1720 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 1720$  MHz;  $\sigma = 1.317$  S/m;  $\epsilon_r = 39.272$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Left Section

DASY Configuration:

- Probe: ES3DV3 - SN3168; ConvF(5.25, 5.25, 5.25); Calibrated: 2014-9-24;
- Sensor-Surface: 3mm (Mechanical Surface Detection),  $z = 2.0, 32.0$
- Electronics: DAE4 Sn1236; Calibrated: 2014-11-13
- Phantom: SAM3; Type: SAM; Serial: TP-1597
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

**Configuration/Head/Area Scan (9x14x1):** Measurement grid:  $dx=15$ mm,  $dy=15$ mm

Maximum value of SAR (measured) = 0.259 W/kg

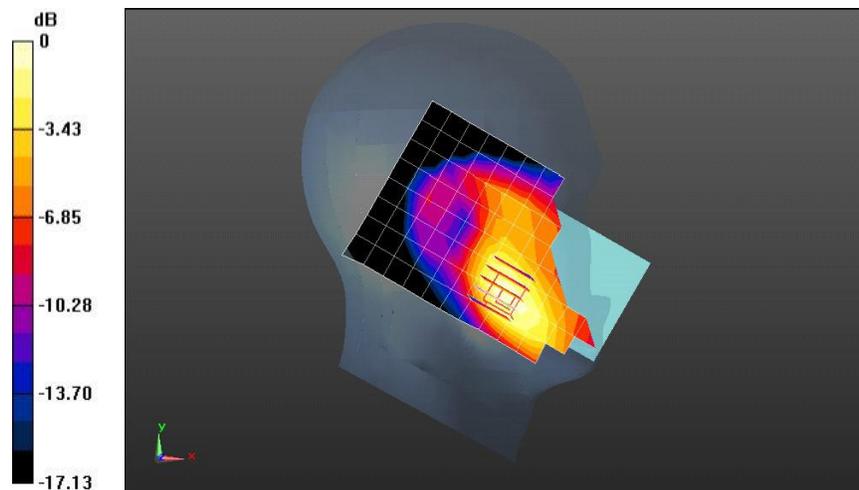
**Configuration/Head/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 5.407 V/m; Power Drift = 0.16 dB

Peak SAR (extrapolated) = 0.358 W/kg

**SAR(1 g) = 0.245 W/kg; SAR(10 g) = 0.159 W/kg**

Maximum value of SAR (measured) = 0.273 W/kg



0 dB = 0.273 W/kg = -5.64 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

## RIO-L03 LTE Band IV 20M QPSK 1RB#50 20175CH Back Side 15mm with battery 2#-Main Antenna

DUT: HUAWEI RIO-L03, RIO-L03; Type: Smart Phone; Serial: SAR2

Communication System: UID 0, LTE-FDD (SC-FDMA, 20MHz, QPSK/16-QAM) (0); Frequency: 1732.5 MHz; Duty Cycle: 1:1  
Medium parameters used (interpolated):  $f = 1732.5$  MHz;  $\sigma = 1.529$  S/m;  $\epsilon_r = 51.999$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY Configuration:

- Probe: ES3DV3 - SN3168; ConvF(4.93, 4.93, 4.93); Calibrated: 2014-9-24;
- Sensor-Surface: 3mm (Mechanical Surface Detection),  $z = 2.0, 32.0$
- Electronics: DAE4 Sn1236; Calibrated: 2014-11-13
- Phantom: SAM3; Type: SAM; Serial: TP-1597
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

**Configuration/Body/Area Scan (9x14x1):** Measurement grid:  $dx=15$ mm,  $dy=15$ mm

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 0.554 W/kg

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

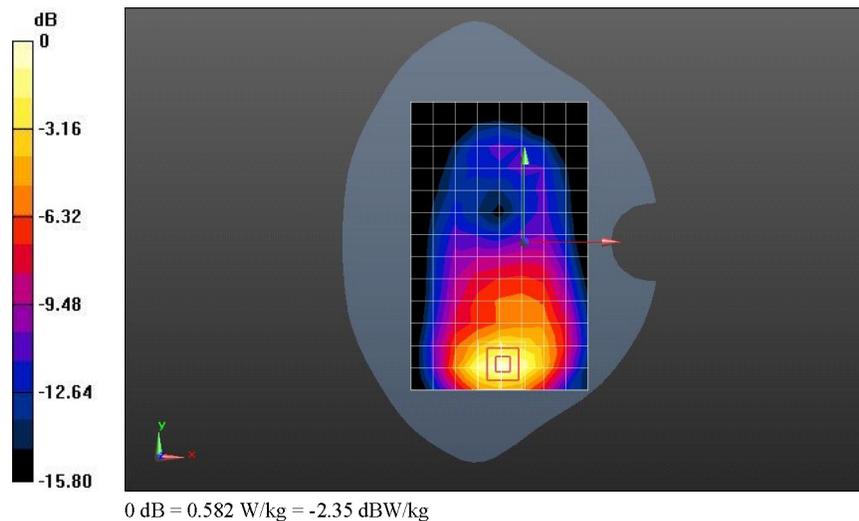
Reference Value = 5.311 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 0.760 W/kg

**SAR(1 g) = 0.484 W/kg; SAR(10 g) = 0.283 W/kg**

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 0.582 W/kg



Test Laboratory: HUAWEI SAR/HAC Lab

## RIO-L03 LTE Band IV 20M QPSK 50%RB#0 20175CH Bottom Side 10mm with Battery 2#-Main Antenna

DUT: HUAWEI RIO-L03, RIO-L03; Type: Smart Phone; Serial: SAR2

Communication System: UID 0, LTE-FDD (SC-FDMA, 20MHz, QPSK/16-QAM) (0); Frequency: 1732.5 MHz; Duty Cycle: 1:1  
Medium parameters used (interpolated):  $f = 1732.5$  MHz;  $\sigma = 1.529$  S/m;  $\epsilon_r = 51.999$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY Configuration:

- Probe: ES3DV3 - SN3168; ConvF(4.93, 4.93, 4.93); Calibrated: 2014-9-24;
- Sensor-Surface: 3mm (Mechanical Surface Detection),  $z = 2.0, 32.0$
- Electronics: DAE4 Sn1236; Calibrated: 2014-11-13
- Phantom: SAM3; Type: SAM; Serial: TP-1597
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

**Configuration/Body/Area Scan (5x9x1):** Measurement grid:  $dx=15$ mm,  $dy=15$ mm

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 1.01 W/kg

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

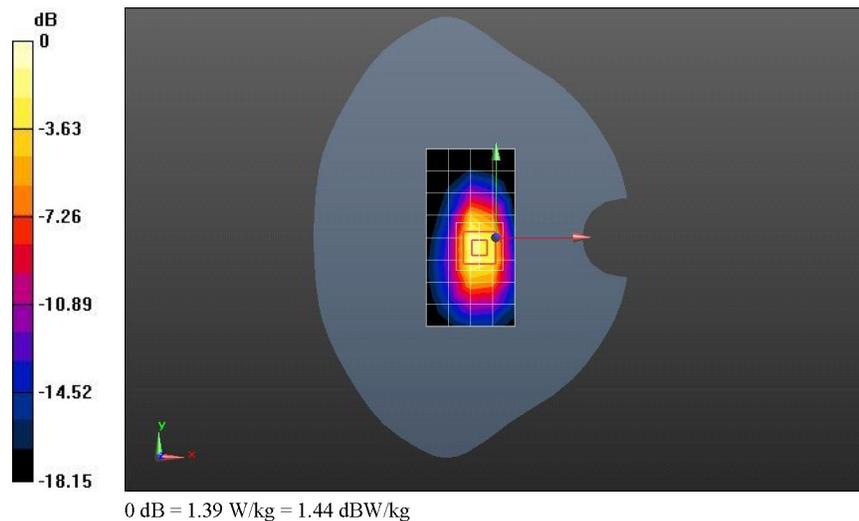
Reference Value = 24.83 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 1.91 W/kg

**SAR(1 g) = 1.11 W/kg; SAR(10 g) = 0.575 W/kg**

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 1.39 W/kg



Test Laboratory: HUAWEI SAR/HAC Lab

### RIO-L03 LTE Band IV 20M QPSK 1RB#50 20300CH Bottom Side 0mm-repeated-Main Antenna

DUT: HUAWEI RIO-L03, RIO-L03; Type: Smart Phone; Serial: SAR2

Communication System: UID 0, LTE-FDD (SC-FDMA, 20MHz, QPSK/16-QAM) (0); Frequency: 1745 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 1745$  MHz;  $\sigma = 1.539$  S/m;  $\epsilon_r = 51.956$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY Configuration:

- Probe: ES3DV3 - SN3168; ConvF(4.93, 4.93, 4.93); Calibrated: 2014-9-24;
- Sensor-Surface: 3mm (Mechanical Surface Detection),  $z = 2.0, 32.0$
- Electronics: DAE4 Sn1236; Calibrated: 2014-11-13
- Phantom: SAM4; Type: SAM; Serial: TP-1620
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

**Configuration/Body/Area Scan (5x9x1):** Measurement grid:  $dx=15$ mm,  $dy=15$ mm

Maximum value of SAR (measured) = 8.59 W/kg

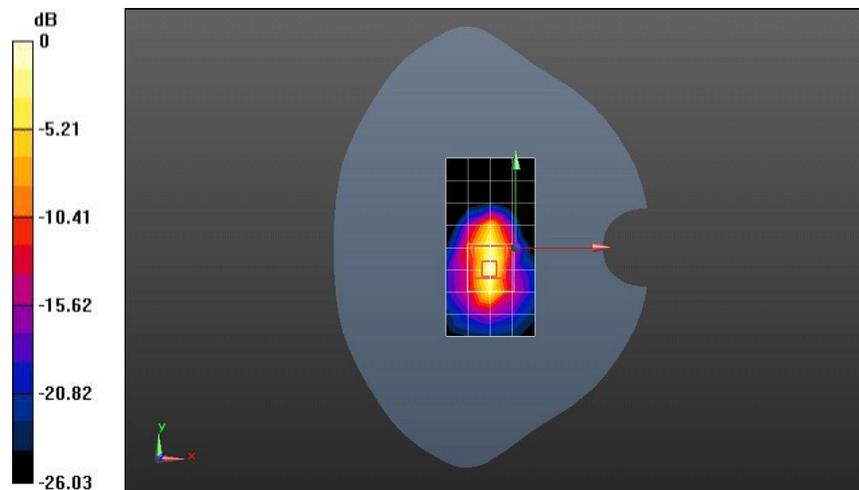
**Configuration/Body/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 56.92 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 11.8 W/kg

**SAR(1 g) = 5.35 W/kg; SAR(10 g) = 2.27 W/kg**

Maximum value of SAR (measured) = 8.58 W/kg



0 dB = 8.58 W/kg = 9.33 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

### RIO-L03 LTE Band V 10M QPSK 1RB#0 20600CH Right hand touch cheek-Main Antenna

DUT: HUAWEI RIO-L03, RIO-L03; Type: Smart Phone; Serial: SAR2

Communication System: UID 0, LTE-FDD (SC-FDMA, 10MHz, QPSK/16-QAM) (0); Frequency: 844 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 844$  MHz;  $\sigma = 0.926$  S/m;  $\epsilon_r = 43.316$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Right Section

DASY Configuration:

- Probe: ES3DV3 - SN3168; ConvF(6.34, 6.34, 6.34); Calibrated: 2014-9-24;
- Sensor-Surface: 3mm (Mechanical Surface Detection),  $z = 2.0, 32.0$
- Electronics: DAE4 Sn1236; Calibrated: 2014-11-13
- Phantom: SAM4; Type: SAM; Serial: TP-1620
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

**Configuration/Head/Area Scan (9x14x1):** Measurement grid:  $dx=15$ mm,  $dy=15$ mm

Maximum value of SAR (measured) = 0.190 W/kg

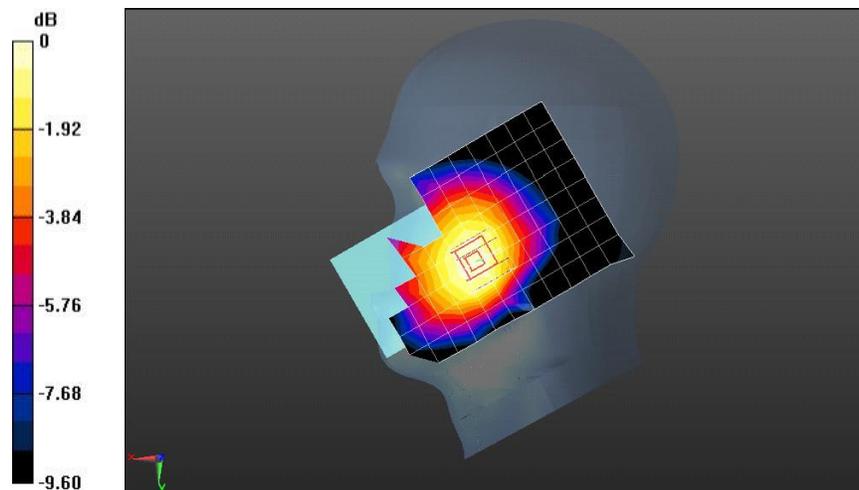
**Configuration/Head/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 5.032 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 0.218 W/kg

**SAR(1 g) = 0.168 W/kg; SAR(10 g) = 0.128 W/kg**

Maximum value of SAR (measured) = 0.182 W/kg



0 dB = 0.182 W/kg = -7.40 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

### RIO-L03 LTE Band V 10M QPSK 1RB#0 20525CH Back Side 15mm-Main Antenna

DUT: HUAWEI RIO-L03, RIO-L03; Type: Smart Phone; Serial: SAR2

Communication System: UID 0, LTE-FDD (SC-FDMA, 10MHz, QPSK/16-QAM) (0); Frequency: 836.5 MHz; Duty Cycle: 1:1  
Medium parameters used (interpolated):  $f = 836.5$  MHz;  $\sigma = 0.964$  S/m;  $\epsilon_r = 55.14$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY Configuration:

- Probe: ES3DV3 - SN3168; ConvF(6.12, 6.12, 6.12); Calibrated: 2014-9-24;
- Sensor-Surface: 3mm (Mechanical Surface Detection),  $z = 2.0, 32.0$
- Electronics: DAE4 Sn1236; Calibrated: 2014-11-13
- Phantom: SAM4; Type: SAM; Serial: TP-1620
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

**Configuration/Body/Area Scan (9x14x1):** Measurement grid:  $dx=15$ mm,  $dy=15$ mm

[Info: Interpolated medium parameters used for SAR evaluation.](#)

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

**Configuration/Body/Zoom Scan (6x6x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

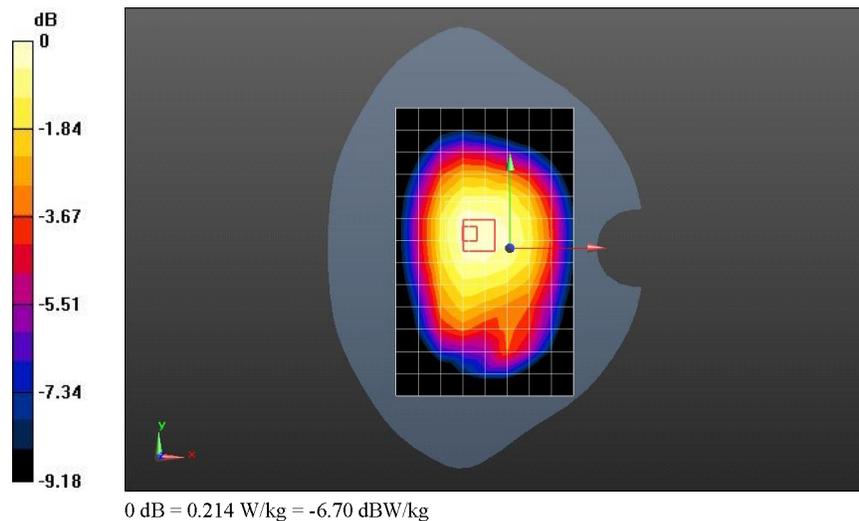
Reference Value = 14.26 V/m; Power Drift = 0.10 dB

Peak SAR (extrapolated) = 0.247 W/kg

**SAR(1 g) = 0.192 W/kg; SAR(10 g) = 0.144 W/kg**

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.214 W/kg



Test Laboratory: HUAWEI SAR/HAC Lab

### RIO-L03 LTE Band V 10M QPSK 1RB#0 20525CH Right Side 10mm-Main Antenna

DUT: HUAWEI RIO-L03, RIO-L03; Type: Smart Phone; Serial: SAR2

Communication System: UID 0, LTE-FDD (SC-FDMA, 10MHz, QPSK/16-QAM) (0); Frequency: 836.5 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated):  $f = 836.5$  MHz;  $\sigma = 0.964$  S/m;  $\epsilon_r = 55.14$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY Configuration:

- Probe: ES3DV3 - SN3168; ConvF(6.12, 6.12, 6.12); Calibrated: 2014-9-24;
- Sensor-Surface: 3mm (Mechanical Surface Detection),  $z = 2.0, 32.0$
- Electronics: DAE4 Sn1236; Calibrated: 2014-11-13
- Phantom: SAM4; Type: SAM; Serial: TP-1620
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

**Configuration/Body/Area Scan (6x13x1):** Measurement grid:  $dx=15$ mm,  $dy=15$ mm

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.289 W/kg

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

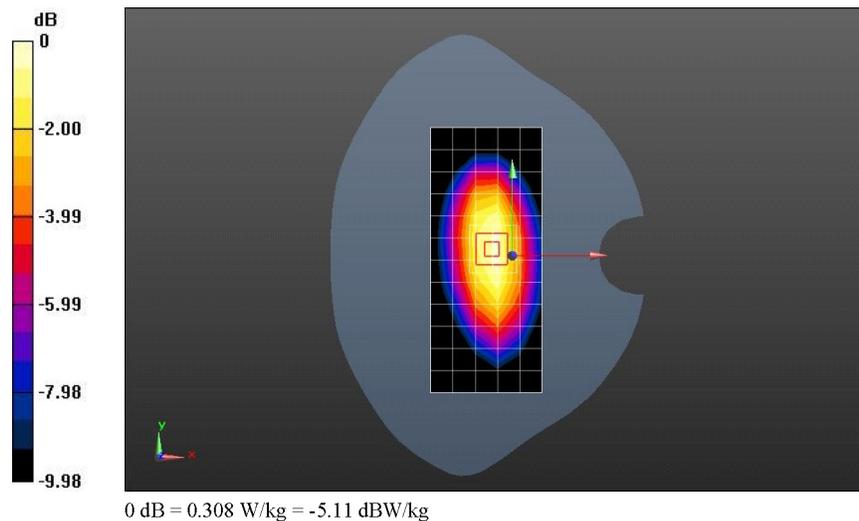
Reference Value = 17.01 V/m; Power Drift = -0.06 dB

Peak SAR (extrapolated) = 0.386 W/kg

**SAR(1 g) = 0.260 W/kg; SAR(10 g) = 0.173 W/kg**

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.308 W/kg



Test Laboratory: HUAWEI SAR/HAC Lab

### RIO-L03 LTE Band VII 20M QPSK 1RB#0 20850CH Right hand tilted 15 degree-Main Antenna

DUT: HUAWEI RIO-L03, RIO-L03; 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;  $\sigma = 1.82$  S/m;  $\epsilon_r = 39.674$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Right Section

DASY Configuration:

- Probe: ES3DV3 - SN3168; ConvF(4.43, 4.43, 4.43); Calibrated: 2014-9-24;
- Sensor-Surface: 3mm (Mechanical Surface Detection),  $z = 2.0, 32.0$
- Electronics: DAE4 Sn1236; Calibrated: 2014-11-13
- Phantom: SAM3; Type: SAM; Serial: TP-1597
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

**Configuration/Head/Area Scan (10x17x1):** Measurement grid:  $dx=12$ mm,  $dy=12$ mm

Maximum value of SAR (measured) = 0.203 W/kg

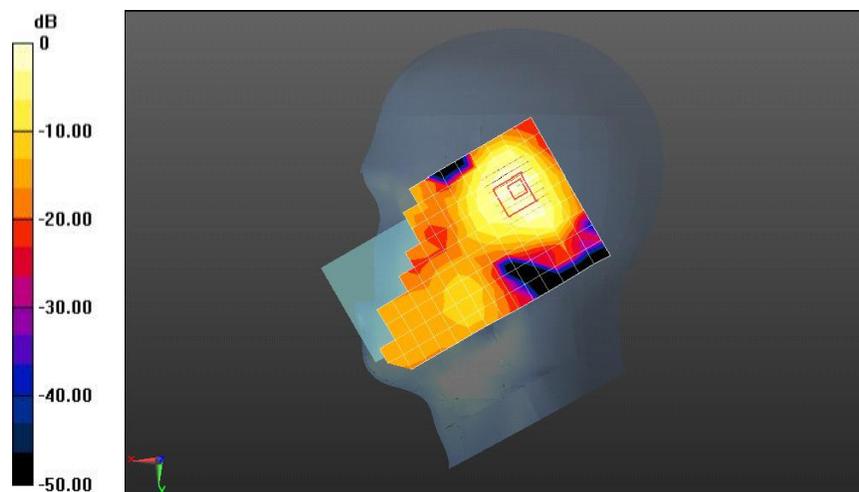
**Configuration/Head/Zoom Scan (8x8x7)/Cube 0:** Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

Reference Value = 11.57 V/m; Power Drift = -0.17 dB

Peak SAR (extrapolated) = 0.407 W/kg

**SAR(1 g) = 0.199 W/kg; SAR(10 g) = 0.099 W/kg**

Maximum value of SAR (measured) = 0.271 W/kg



0 dB = 0.271 W/kg = -5.66 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

### RIO-L03 LTE Band VII 20M QPSK 1RB#50 21100CH Back side 15mm with Battery 2#-Main Antenna

DUT: HUAWEI RIO-L03, RIO-L03; Type: Smart Phone; Serial: SAR2

Communication System: UID 0, LTE-FDD (SC-FDMA, 20MHz, QPSK/16-QAM) (0); Frequency: 2535 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 2535$  MHz;  $\sigma = 2.157$  S/m;  $\epsilon_r = 51.209$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY Configuration:

- Probe: ES3DV3 - SN3168; ConvF(4.14, 4.14, 4.14); Calibrated: 2014-9-24;
- Sensor-Surface: 3mm (Mechanical Surface Detection),  $z = 2.0, 32.0$
- Electronics: DAE4 Sn1236; Calibrated: 2014-11-13
- Phantom: SAM3; Type: SAM; Serial: TP-1597
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

**Configuration/Body/Area Scan (10x16x1):** Measurement grid:  $dx=12$ mm,  $dy=12$ mm

Maximum value of SAR (measured) = 0.354 W/kg

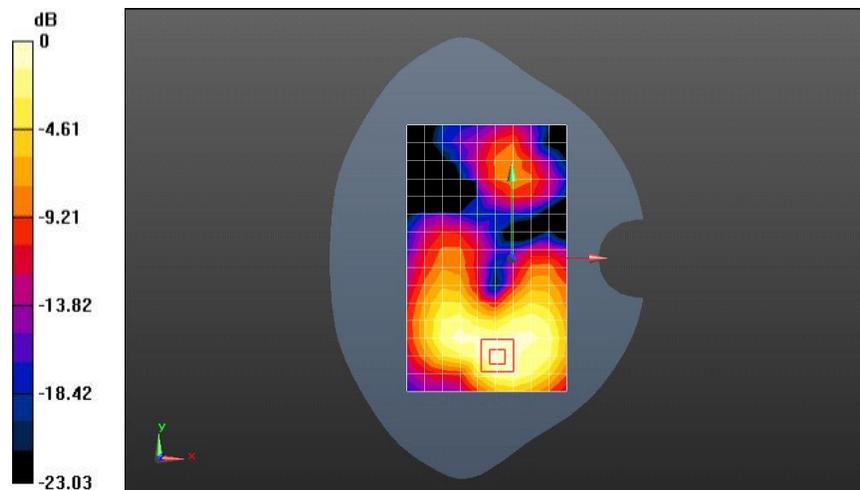
**Configuration/Body/Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

Reference Value = 2.366 V/m; Power Drift = 0.00 dB

Peak SAR (extrapolated) = 0.573 W/kg

**SAR(1 g) = 0.282 W/kg; SAR(10 g) = 0.148 W/kg**

Maximum value of SAR (measured) = 0.351 W/kg



0 dB = 0.351 W/kg = -4.54 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

### RIO-L03 LTE Band VII 20M QPSK 50%RB#0 21100CH Bottom side 10mm with Battery 2#-Main Antenna

DUT: HUAWEI RIO-L03, RIO-L03; Type: Smart Phone; Serial: SAR2

Communication System: UID 0, LTE-FDD (SC-FDMA, 20MHz, QPSK/16-QAM) (0); Frequency: 2535 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 2535$  MHz;  $\sigma = 2.157$  S/m;  $\epsilon_r = 51.209$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY Configuration:

- Probe: ES3DV3 - SN3168; ConvF(4.14, 4.14, 4.14); Calibrated: 2014-9-24;
- Sensor-Surface: 3mm (Mechanical Surface Detection),  $z = 2.0, 32.0$
- Electronics: DAE4 Sn1236; Calibrated: 2014-11-13
- Phantom: SAM3; Type: SAM; Serial: TP-1597
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

**Configuration/Body/Area Scan (6x11x1):** Measurement grid:  $dx=12$ mm,  $dy=12$ mm

Maximum value of SAR (measured) = 0.431 W/kg

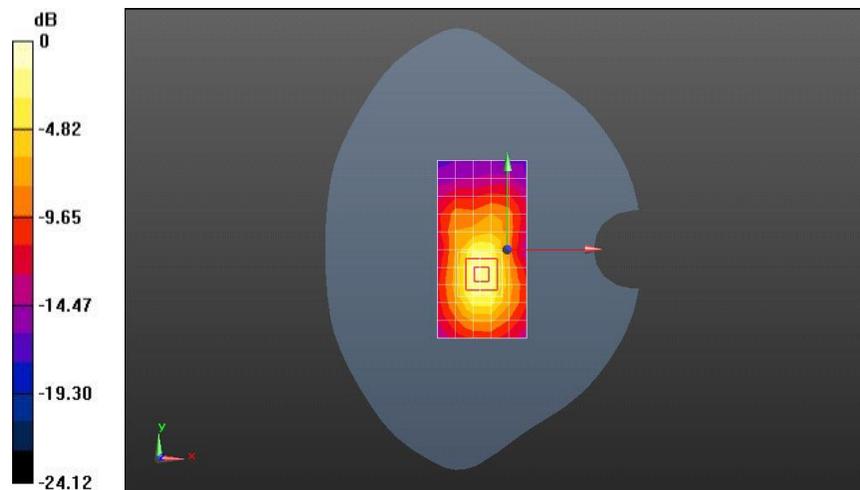
**Configuration/Body/Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

Reference Value = 11.42 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 0.950 W/kg

**SAR(1 g) = 0.450 W/kg; SAR(10 g) = 0.207 W/kg**

Maximum value of SAR (measured) = 0.591 W/kg



0 dB = 0.591 W/kg = -2.28 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

## RIO-L03 LTE Band XII 10M QPSK 1RB#0 23130CH Left hand touch cheek-Main Antenna

DUT: HUAWEI RIO-L03, RIO-L03; Type: Smart Phone; Serial: SAR2

Communication System: UID 0, LTE-FDD (SC-FDMA, 10MHz, QPSK/16-QAM) (0); Frequency: 711 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 711$  MHz;  $\sigma = 0.872$  S/m;  $\epsilon_r = 42.1$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Left Section

DASY Configuration:

- Probe: ES3DV3 - SN3168; ConvF(6.58, 6.58, 6.58); Calibrated: 2014-9-24;
- Sensor-Surface: 3mm (Mechanical Surface Detection),  $z = 2.0, 32.0$
- Electronics: DAE4 Sn1236; Calibrated: 2014-11-13
- Phantom: SAM3; Type: SAM; Serial: TP-1597
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

**Configuration/Head/Area Scan (9x14x1):** Measurement grid:  $dx=15$ mm,  $dy=15$ mm

Maximum value of SAR (measured) = 0.0803 W/kg

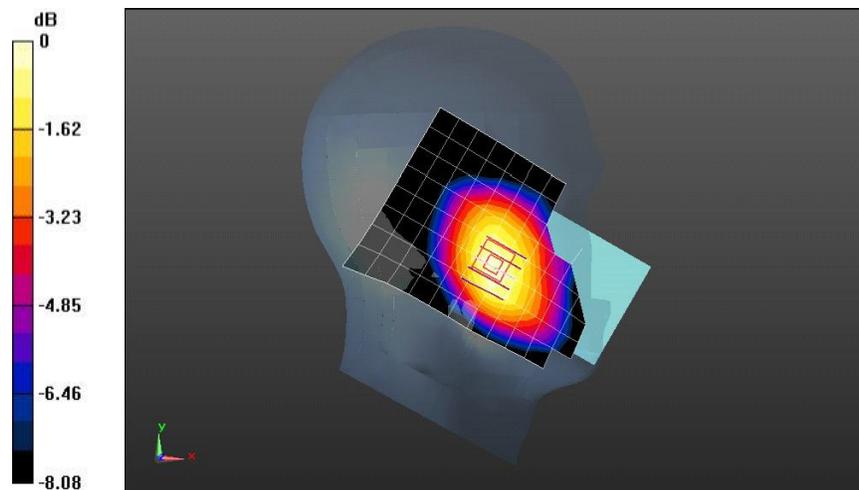
**Configuration/Head/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 4.028 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 0.0930 W/kg

**SAR(1 g) = 0.074 W/kg; SAR(10 g) = 0.057 W/kg**

Maximum value of SAR (measured) = 0.0813 W/kg



0 dB = 0.0813 W/kg = -10.90 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

## RIO-L03 LTE Band XII 10M QPSK 1RB#0 23130CH Back Side 15mm-Main Antenna

DUT: HUAWEI RIO-L03, RIO-L03; Type: Smart Phone; Serial: SAR2

Communication System: UID 0, LTE-FDD (SC-FDMA, 10MHz, QPSK/16-QAM) (0); Frequency: 711 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 711$  MHz;  $\sigma = 0.925$  S/m;  $\epsilon_r = 55.111$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY Configuration:

- Probe: ES3DV3 - SN3168; ConvF(6.21, 6.21, 6.21); Calibrated: 2014-9-24;
- Sensor-Surface: 3mm (Mechanical Surface Detection),  $z = 2.0, 32.0$
- Electronics: DAE4 Sn1236; Calibrated: 2014-11-13
- Phantom: SAM3; Type: SAM; Serial: TP-1597
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

**Configuration/Body/Area Scan (9x14x1):** Measurement grid:  $dx=15$ mm,  $dy=15$ mm

Maximum value of SAR (measured) = 0.110 W/kg

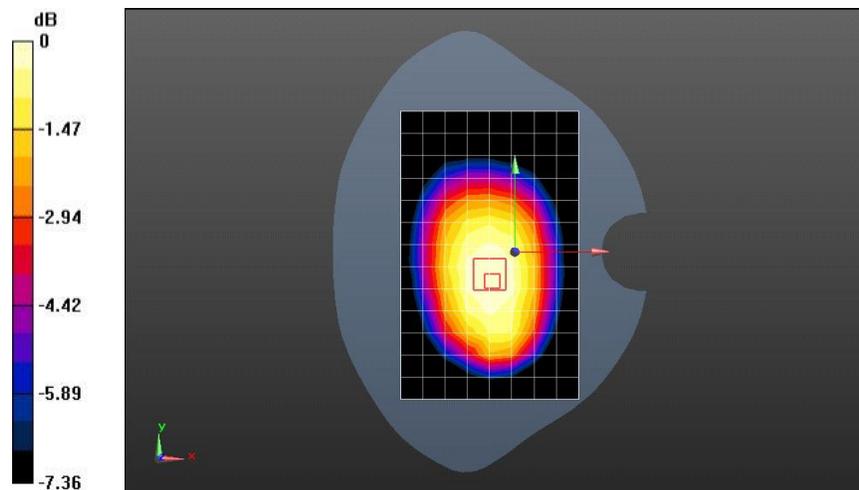
**Configuration/Body/Zoom Scan (5x6x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 10.55 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 0.123 W/kg

**SAR(1 g) = 0.102 W/kg; SAR(10 g) = 0.080 W/kg**

Maximum value of SAR (measured) = 0.111 W/kg



0 dB = 0.111 W/kg = -9.56 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

**RIO-L03 LTE Band XII 10M QPSK 1RB#0 23130CH Back Side 10mm-Main Antenna****DUT: HUAWEI RIO-L03, RIO-L03; Type: Smart Phone; Serial: SAR2**

Communication System: UID 0, LTE-FDD (SC-FDMA, 10MHz, QPSK/16-QAM) (0); Frequency: 711 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 711$  MHz;  $\sigma = 0.925$  S/m;  $\epsilon_r = 55.111$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY Configuration:

- Probe: ES3DV3 - SN3168; ConvF(6.21, 6.21, 6.21); Calibrated: 2014-9-24;
- Sensor-Surface: 3mm (Mechanical Surface Detection),  $z = 2.0, 32.0$
- Electronics: DAE4 Sn1236; Calibrated: 2014-11-13
- Phantom: SAM3; Type: SAM; Serial: TP-1597
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

**Configuration/Body/Area Scan (9x14x1):** Measurement grid:  $dx=15$ mm,  $dy=15$ mm

Maximum value of SAR (measured) = 0.129 W/kg

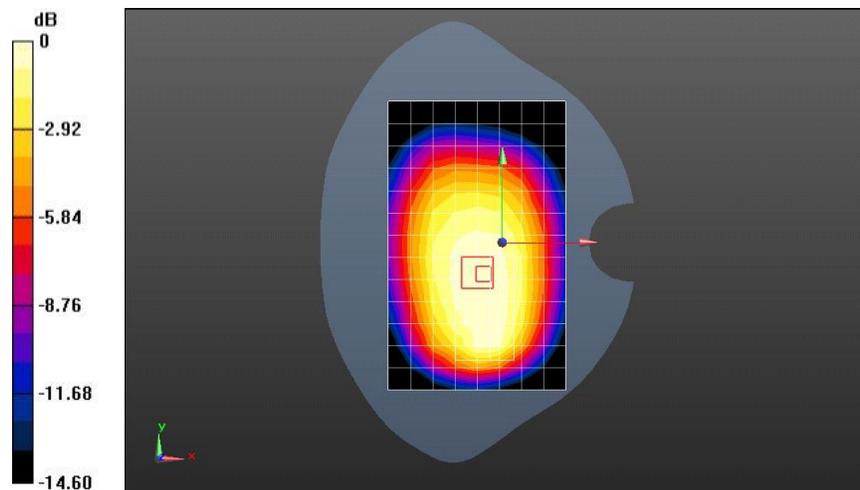
**Configuration/Body/Zoom Scan (6x10x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 11.29 V/m; Power Drift = 0.07 dB

Peak SAR (extrapolated) = 0.185 W/kg

**SAR(1 g) = 0.121 W/kg; SAR(10 g) = 0.097 W/kg**

Maximum value of SAR (measured) = 0.137 W/kg



0 dB = 0.137 W/kg = -8.63 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

### RIO-L03 LTE Band XVII 10M QPSK 1RB#49 23790CH Right hand touch cheek-Main Antenna

DUT: HUAWEI RIO-L03, RIO-L03; Type: Smart Phone; Serial: SAR2

Communication System: UID 0, LTE-FDD (SC-FDMA, 10MHz, QPSK/16-QAM) (0); Frequency: 710 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 710$  MHz;  $\sigma = 0.871$  S/m;  $\epsilon_r = 42.143$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Right Section

DASY Configuration:

- Probe: ES3DV3 - SN3168; ConvF(6.58, 6.58, 6.58); Calibrated: 2014-9-24;
- Sensor-Surface: 3mm (Mechanical Surface Detection),  $z = 2.0, 32.0$
- Electronics: DAE4 Sn1236; Calibrated: 2014-11-13
- Phantom: SAM3; Type: SAM; Serial: TP-1597
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

**Configuration/Head/Area Scan (9x14x1):** Measurement grid:  $dx=15$ mm,  $dy=15$ mm

Maximum value of SAR (measured) = 0.0701 W/kg

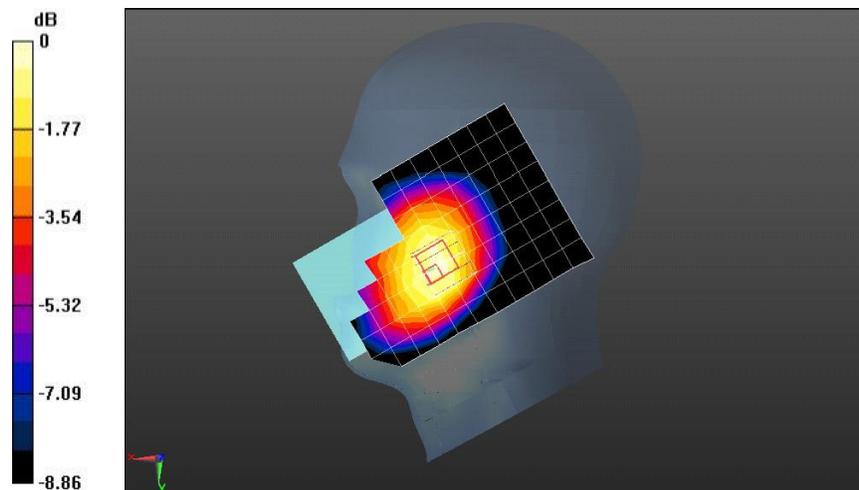
**Configuration/Head/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 2.547 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 0.0860 W/kg

**SAR(1 g) = 0.068 W/kg; SAR(10 g) = 0.054 W/kg**

Maximum value of SAR (measured) = 0.0738 W/kg



0 dB = 0.0738 W/kg = -11.32 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

## RIO-L03 LTE Band XVII 10M QPSK 1RB#49 23780CH Back Side 15mm with battery 2#-Main Antenna

DUT: HUAWEI RIO-L03, RIO-L03; Type: Smart Phone; Serial: SAR2

Communication System: UID 0, LTE-FDD (SC-FDMA, 10MHz, QPSK/16-QAM) (0); Frequency: 709 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 709$  MHz;  $\sigma = 0.923$  S/m;  $\epsilon_r = 55.132$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY Configuration:

- Probe: ES3DV3 - SN3168; ConvF(6.21, 6.21, 6.21); Calibrated: 2014-9-24;
- Sensor-Surface: 3mm (Mechanical Surface Detection),  $z = 2.0, 32.0$
- Electronics: DAE4 Sn1236; Calibrated: 2014-11-13
- Phantom: SAM3; Type: SAM; Serial: TP-1597
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

**Configuration/Body/Area Scan (9x14x1):** Measurement grid:  $dx=15$ mm,  $dy=15$ mm

Maximum value of SAR (measured) = 0.133 W/kg

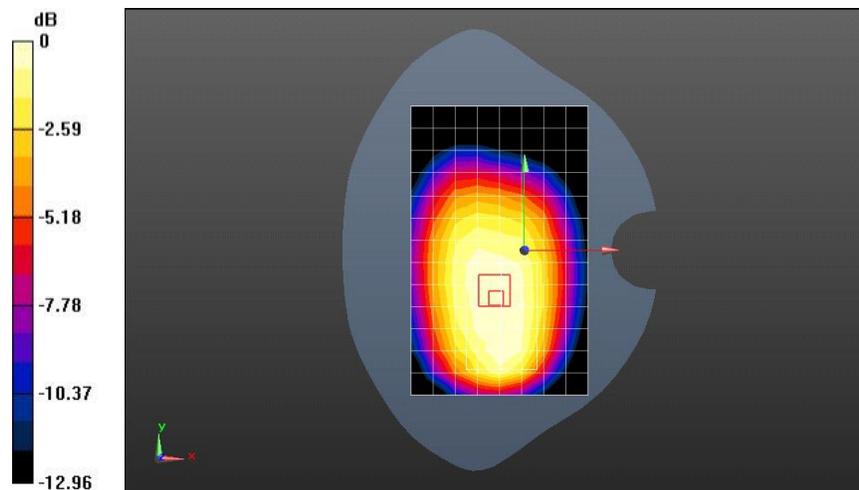
**Configuration/Body/Zoom Scan (7x10x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 11.13 V/m; Power Drift = -0.14 dB

Peak SAR (extrapolated) = 0.182 W/kg

**SAR(1 g) = 0.122 W/kg; SAR(10 g) = 0.097 W/kg**

Maximum value of SAR (measured) = 0.137 W/kg



0 dB = 0.137 W/kg = -8.65 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

### RIO-L03 LTE Band XVII 10M QPSK 1RB#49 23780CH Back Side 10mm-Main Antenna

DUT: HUAWEI RIO-L03, RIO-L03; Type: Smart Phone; Serial: SAR2

Communication System: UID 0, LTE-FDD (SC-FDMA, 10MHz, QPSK/16-QAM) (0); Frequency: 709 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 709$  MHz;  $\sigma = 0.923$  S/m;  $\epsilon_r = 55.132$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY Configuration:

- Probe: ES3DV3 - SN3168; ConvF(6.21, 6.21, 6.21); Calibrated: 2014-9-24;
- Sensor-Surface: 3mm (Mechanical Surface Detection),  $z = 2.0, 32.0$
- Electronics: DAE4 Sn1236; Calibrated: 2014-11-13
- Phantom: SAM3; Type: SAM; Serial: TP-1597
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

**Configuration/Body/Area Scan (9x14x1):** Measurement grid:  $dx=15$ mm,  $dy=15$ mm

Maximum value of SAR (measured) = 0.127 W/kg

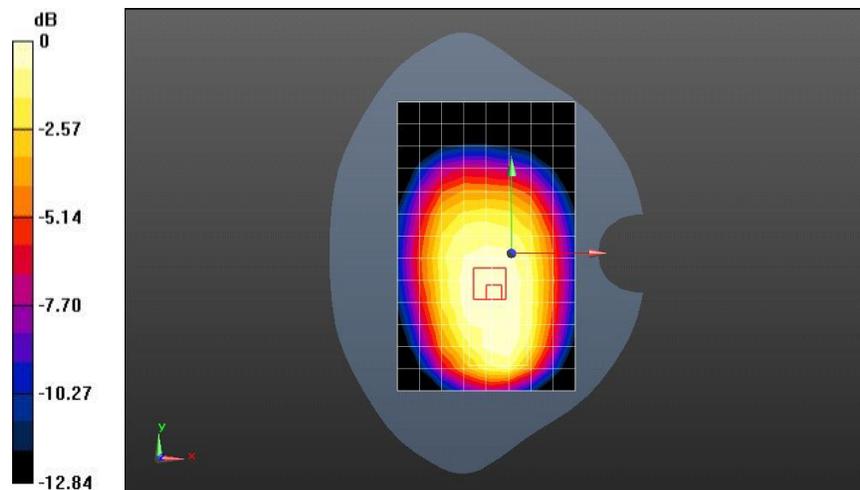
**Configuration/Body/Zoom Scan (6x10x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 11.24 V/m; Power Drift = 0.08 dB

Peak SAR (extrapolated) = 0.163 W/kg

**SAR(1 g) = 0.119 W/kg; SAR(10 g) = 0.095 W/kg**

Maximum value of SAR (measured) = 0.130 W/kg



0 dB = 0.130 W/kg = -8.86 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

### RIO-L03 WIFI2.4G 11CH Left hand touch cheek

DUT: HUAWEI RIO-L03, RIO-L03; Type: Smart Phone; Serial: SAR2

Communication System: UID 0, WiFi(802.11a/b/g/n/ac) (0); Frequency: 2462 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 2462$  MHz;  $\sigma = 1.817$  S/m;  $\epsilon_r = 38.041$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Left Section

DASY Configuration:

- Probe: ES3DV3 - SN3168; ConvF(4.57, 4.57, 4.57); Calibrated: 2014-9-24;
- Sensor-Surface: 3mm (Mechanical Surface Detection),  $z = 2.0, 32.0$
- Electronics: DAE4 Sn1236; Calibrated: 2014-11-13
- Phantom: SAM4; Type: SAM; Serial: TP-1620
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

**Configuration/Head/Area Scan (10x17x1):** Measurement grid:  $dx=12$ mm,  $dy=12$ mm

Maximum value of SAR (measured) = 1.28 W/kg

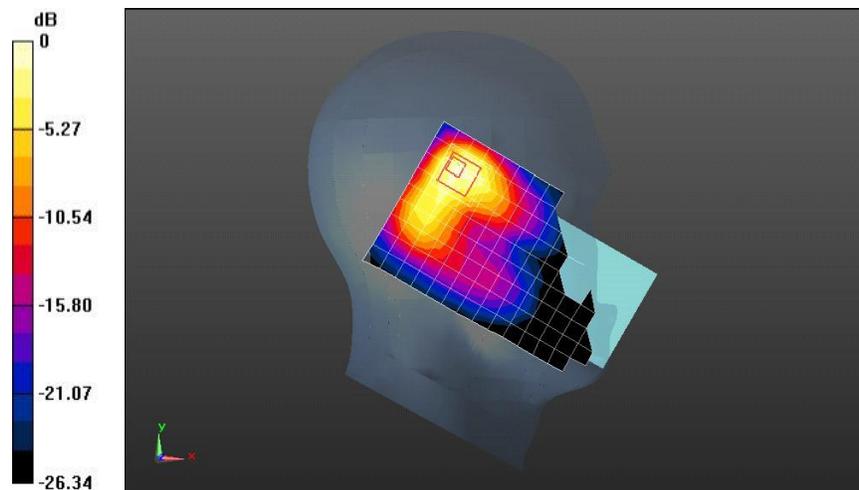
**Configuration/Head/Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

Reference Value = 16.30 V/m; Power Drift = 0.12 dB

Peak SAR (extrapolated) = 2.66 W/kg

**SAR(1 g) = 1.09 W/kg; SAR(10 g) = 0.497 W/kg**

Maximum value of SAR (measured) = 1.48 W/kg



0 dB = 1.48 W/kg = 1.69 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

### RIO-L03 WIFI 2.4G 802.11b 11CH Back Side 15mm

DUT: HUAWEI RIO-L03, RIO-L03; Type: Smart Phone; Serial: SAR3

Communication System: UID 0, WiFi(802.11a/b/g/n/ac) (0); Frequency: 2462 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 2462$  MHz;  $\sigma = 2.008$  S/m;  $\epsilon_r = 53.16$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY Configuration:

- Probe: ES3DV3 - SN3168; ConvF(4.29, 4.29, 4.29); Calibrated: 2014-9-24;
- Sensor-Surface: 3mm (Mechanical Surface Detection),  $z = 2.0, 32.0$
- Electronics: DAE4 Sn1236; Calibrated: 2014-11-13
- Phantom: SAM3; Type: SAM; Serial: TP-1597
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

**Configuration/Head/Area Scan (10x17x1):** Measurement grid:  $dx=12$ mm,  $dy=12$ mm

Maximum value of SAR (measured) = 0.187 W/kg

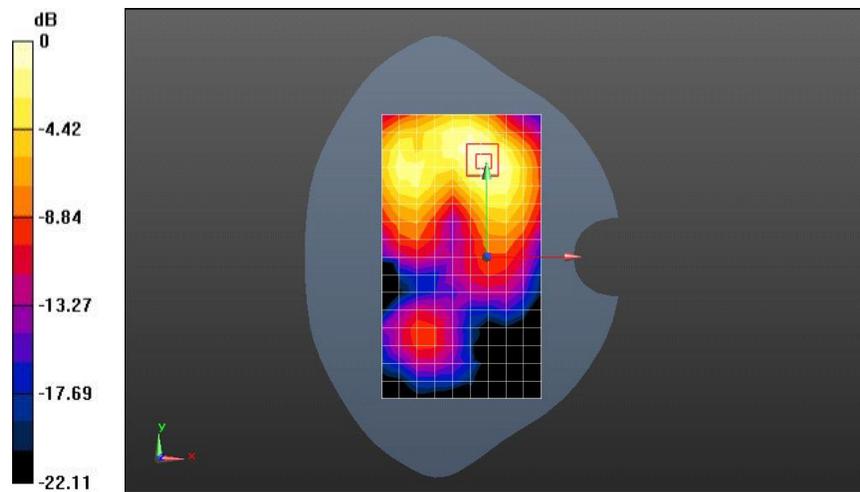
**Configuration/Head/Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

Reference Value = 2.724 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 0.292 W/kg

**SAR(1 g) = 0.161 W/kg; SAR(10 g) = 0.091 W/kg**

Maximum value of SAR (measured) = 0.197 W/kg



Test Laboratory: HUAWEI SAR/HAC Lab

### RIO-L03 WIFI 2.4G 802.11b 11CH Top Side 10mm

DUT: HUAWEI RIO-L03, RIO-L03; Type: Smart Phone; Serial: SAR3

Communication System: UID 0, WiFi(802.11a/b/g/n/ac) (0); Frequency: 2462 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 2462$  MHz;  $\sigma = 2.008$  S/m;  $\epsilon_r = 53.16$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY Configuration:

- Probe: ES3DV3 - SN3168; ConvF(4.29, 4.29, 4.29); Calibrated: 2014-9-24;
- Sensor-Surface: 3mm (Mechanical Surface Detection),  $z = 2.0, 32.0$
- Electronics: DAE4 Sn1236; Calibrated: 2014-11-13
- Phantom: SAM3; Type: SAM; Serial: TP-1597
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

**Configuration/Head/Area Scan (10x17x1):** Measurement grid:  $dx=12$ mm,  $dy=12$ mm

Maximum value of SAR (measured) = 0.721 W/kg

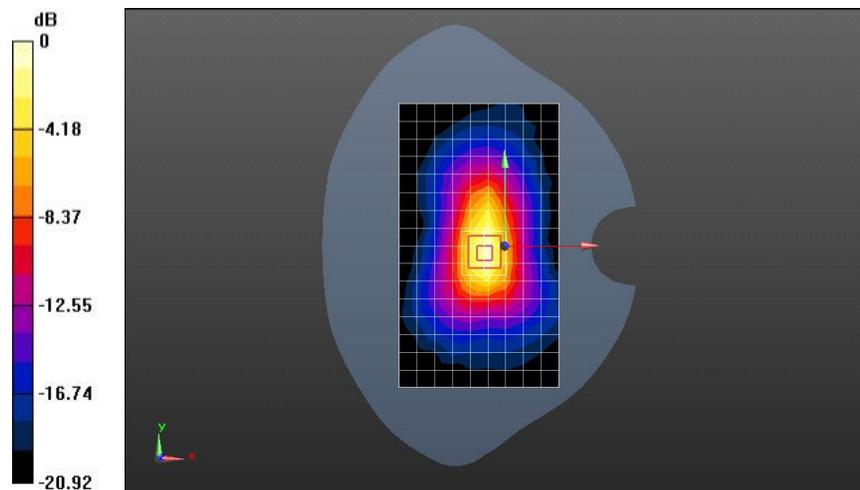
**Configuration/Head/Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

Reference Value = 18.64 V/m; Power Drift = -0.14 dB

Peak SAR (extrapolated) = 1.23 W/kg

**SAR(1 g) = 0.606 W/kg; SAR(10 g) = 0.296 W/kg**

Maximum value of SAR (measured) = 0.788 W/kg



0 dB = 0.788 W/kg = -1.03 dBW/kg