

**Appendix B. SAR Measurement Plots**

<b>Table of contents</b>
<b>GSM850 Head Second Antenna</b>
<b>GSM850 Body Second Antenna</b>
<b>GSM1900 Head Second Antenna</b>
<b>GSM1900 Body Second Antenna</b>
<b>UMTS Band II Head Second Antenna</b>
<b>UMTS Band II Body Second Antenna</b>
<b>UMTS Band IV Head Second Antenna</b>
<b>UMTS Band IV Body Second Antenna</b>
<b>UMTS Band V Head Second Antenna</b>
<b>UMTS Band V Body Second Antenna</b>
<b>LTE Band II Head Second Antenna</b>
<b>LTE Band II Body Second Antenna</b>
<b>LTE Band IV Head Second Antenna</b>
<b>LTE Band IV Body Second Antenna</b>
<b>LTE Band V Head Second Antenna</b>
<b>LTE Band V Body Second Antenna</b>
<b>LTE Band VII Head Second Antenna</b>
<b>LTE Band VII Body Second Antenna</b>
<b>LTE Band XII Head Second Antenna</b>
<b>LTE Band XII Body Second Antenna</b>
<b>GSM850 Head Main Antenna</b>
<b>GSM850 Body Main Antenna</b>
<b>GSM1900 Head Main Antenna</b>
<b>GSM1900 Body Main Antenna</b>
<b>UMTS Band II Head Main Antenna</b>
<b>UMTS Band II Body Main Antenna</b>
<b>UMTS Band IV Head Main Antenna</b>
<b>UMTS Band IV Body Main Antenna</b>
<b>UMTS Band V Head Main Antenna</b>
<b>UMTS Band V Body Main Antenna</b>
<b>LTE Band II Head Main Antenna</b>
<b>LTE Band II Body Main Antenna</b>
<b>LTE Band IV Head Main Antenna</b>

<b>LTE Band IV Body Main Antenna</b>
<b>LTE Band V Head Main Antenna</b>
<b>LTE Band V Body Main Antenna</b>
<b>LTE Band VII Head Main Antenna</b>
<b>LTE Band VII Body Main Antenna</b>
<b>LTE Band XII Head Main Antenna</b>
<b>LTE Band XII Body Main Antenna</b>
<b>WiFi 2.4G Head</b>
<b>WiFi 2.4G Body</b>
<b>BT Head</b>

Test Laboratory: HUAWEI SAR/HAC Lab

## **BAC-L23 GSM850 128CH Right touch-Second Antenna**

**DUT: BAC-L23; Type: Smart Phone; Serial: SAR1**

Communication System: UID 0, HW-GSM\GPRS\EGPRS-1TS (0); Frequency: 824.2 MHz; Duty Cycle: 1:8.30042

Medium parameters used (interpolated):  $f = 824.2$  MHz;  $\sigma = 0.915$  S/m;  $\epsilon_r = 40.051$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Right Section

DASY Configuration:

- ε Probe: ES3DV3 - SN3168; ConvF(6.68, 6.68, 6.68); Calibrated: 2016-9-27;
- ε Sensor-Surface: 3mm (Mechanical Surface Detection),  $z = 2.0, 32.0$
- ε Electronics: DAE4 Sn851; Calibrated: 2016-7-22
- ε Phantom: SAM1; Type: SAM; Serial: TP-1475
- ε DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

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

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

Maximum value of SAR (measured) = 1.07 W/kg

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

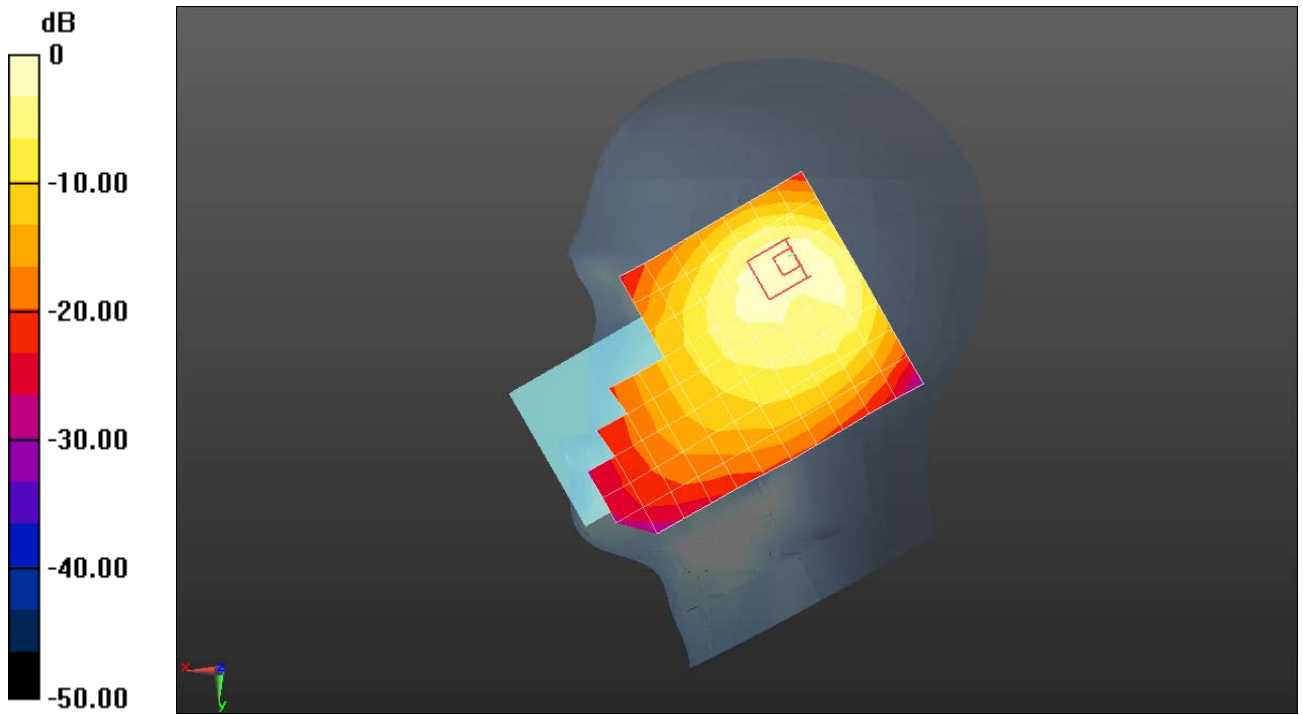
Reference Value = 20.31 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 1.98 W/kg

**SAR(1 g) = 0.900 W/kg; SAR(10 g) = 0.497 W/kg**

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

Maximum value of SAR (measured) = 1.11 W/kg



0 dB = 1.07 W/kg = 0.29 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

### BAC-L23 GSM850 190CH Front side 15mm with Battery 3-Second Antenna

**DUT: BAC-L23; 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:  $f = 837 \text{ MHz}$ ;  $\sigma = 1.011 \text{ S/m}$ ;  $\epsilon_r = 54.644$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY Configuration:

- ε Probe: ES3DV3 - SN3168; ConvF(6.33, 6.33, 6.33); Calibrated: 2016-9-27;
- ε Sensor-Surface: 3mm (Mechanical Surface Detection),  $z = 2.0, 32.0$
- ε Electronics: DAE4 Sn851; Calibrated: 2016-7-22
- ε Phantom: SAM2; Type: SAM; Serial: TP:1474
- ε DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

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

Maximum value of SAR (measured) = 0.305 W/kg

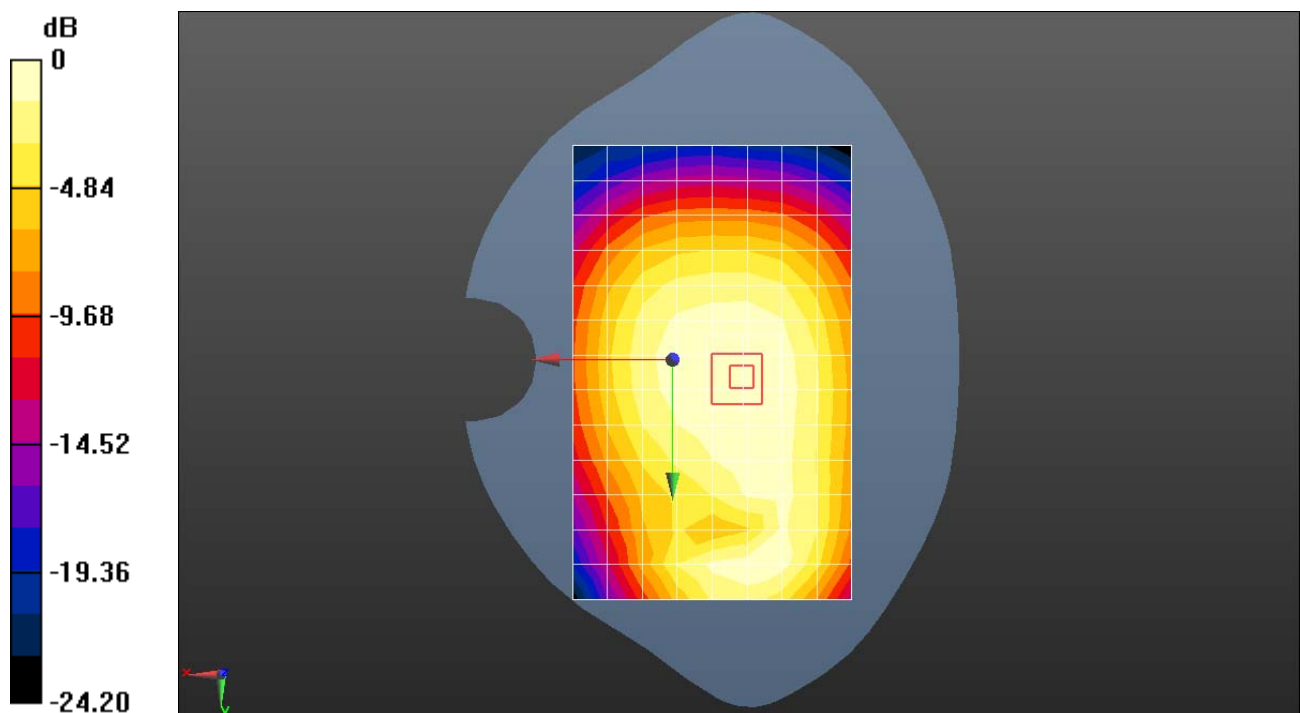
**Configuration/Body/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$

Reference Value = 17.50 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 0.361 W/kg

**SAR(1 g) = 0.279 W/kg; SAR(10 g) = 0.211 W/kg**

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



0 dB = 0.305 W/kg = -5.16 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

### BAC-L23 GSM850 GPRS 3TS 190CH Front side 10mm-Second Antenna

**DUT: BAC-L23; Type: Smart Phone; Serial: SAR1**

Communication System: UID 0, HW-GSM\GPRS\EGPRS-3TS (0); Frequency: 836.6 MHz; Duty Cycle: 1:2.77013

Medium parameters used:  $f = 837$  MHz;  $\sigma = 1.011$  S/m;  $\epsilon_r = 54.644$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY Configuration:

- ε Probe: ES3DV3 - SN3168; ConvF(6.33, 6.33, 6.33); Calibrated: 2016-9-27;
- ε Sensor-Surface: 3mm (Mechanical Surface Detection),  $z = 2.0, 32.0$
- ε Electronics: DAE4 Sn851; Calibrated: 2016-7-22
- ε Phantom: SAM2; Type: SAM; Serial: TP:1474
- ε 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) = 0.559 W/kg

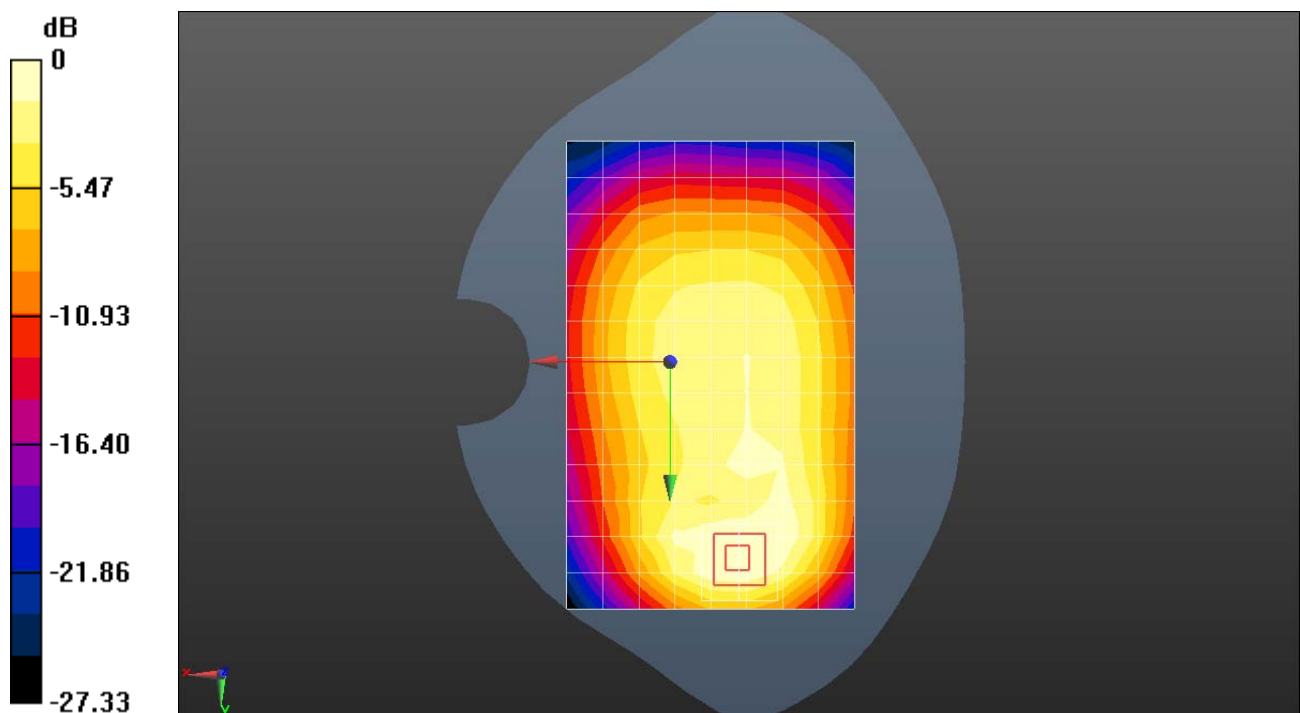
**Configuration/Body/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 18.97 V/m; Power Drift = -0.00 dB

Peak SAR (extrapolated) = 1.10 W/kg

**SAR(1 g) = 0.614 W/kg; SAR(10 g) = 0.343 W/kg**

Maximum value of SAR (measured) = 0.731 W/kg



0 dB = 0.559 W/kg = -2.53 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

## **BAC-L23 GSM1900 512CH Right touch-Second Antenna**

**DUT: BAC-L23; Type: Smart Phone; Serial: SAR1**

Communication System: UID 0, HW-GSM\GPRS\EGPRS-1TS (0); Frequency: 1850.2 MHz; Duty Cycle: 1:8.30042

Medium parameters used (interpolated):  $f = 1850.2$  MHz;  $\sigma = 1.405$  S/m;  $\epsilon_r = 38.65$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Right Section

DASY Configuration:

- ε Probe: ES3DV3 - SN3168; ConvF(5.33, 5.33, 5.33); Calibrated: 2016-9-27;
- ε Sensor-Surface: 3mm (Mechanical Surface Detection),  $z = 2.0, 32.0$
- ε Electronics: DAE4 Sn851; Calibrated: 2016-7-22
- ε Phantom: SAM1; Type: SAM; Serial: TP-1475
- ε DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

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

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

Maximum value of SAR (measured) = 0.741 W/kg

**Configuration/Head/Zoom Scan (6x7x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

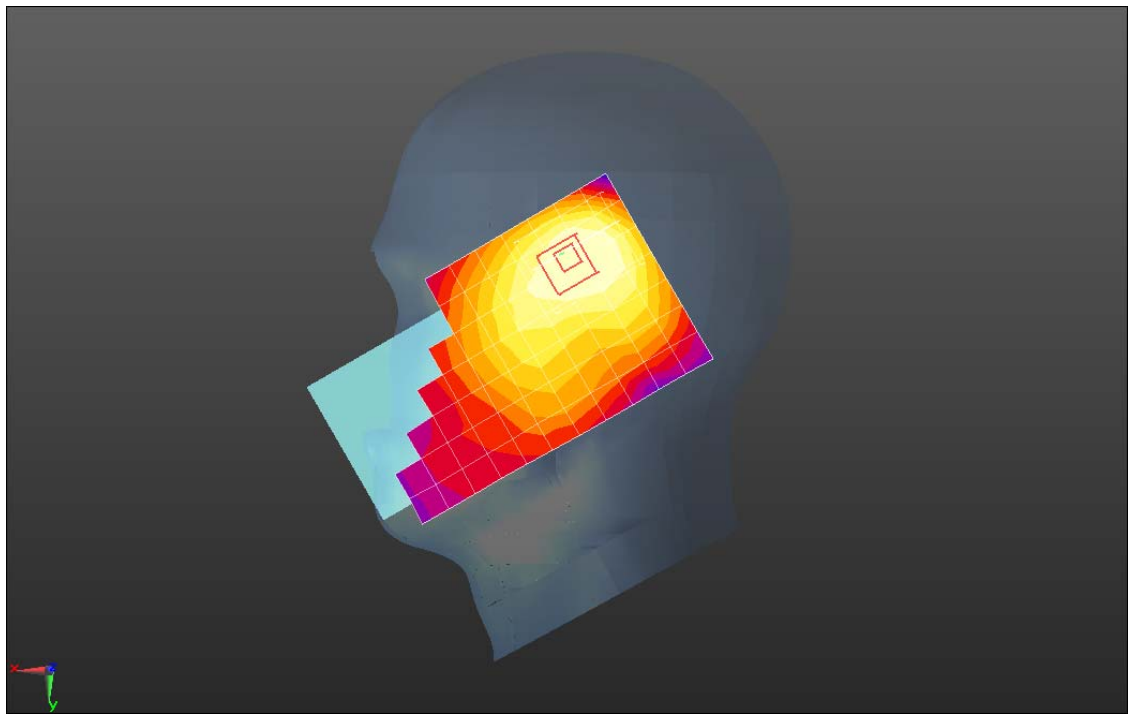
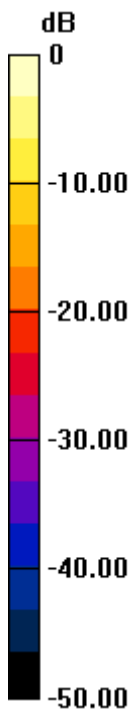
Reference Value = 14.52 V/m; Power Drift = -0.17 dB

Peak SAR (extrapolated) = 1.39 W/kg

**SAR(1 g) = 0.716 W/kg; SAR(10 g) = 0.392 W/kg**

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

Maximum value of SAR (measured) = 0.863 W/kg



0 dB = 0.741 W/kg = -1.30 dBW/kg



Test Laboratory: HUAWEI SAR/HAC Lab

## **BAC-L23 GSM1900 661CH Back side 15mm battery2-Second Antenna**

**DUT: BAC-L23; 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;  $\sigma = 1.553$  S/m;  $\epsilon_r = 52.086$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY Configuration:

- ε Probe: ES3DV3 - SN3168; ConvF(4.99, 4.99, 4.99); Calibrated: 2016-9-27;
- ε Sensor-Surface: 3mm (Mechanical Surface Detection),  $z = 2.0, 32.0$
- ε Electronics: DAE4 Sn851; Calibrated: 2016-7-22
- ε Phantom: SAM2; Type: SAM; Serial: TP:1474
- ε 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) = 0.125 W/kg

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

Reference Value = 4.845 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 0.170 W/kg

**SAR(1 g) = 0.111 W/kg; SAR(10 g) = 0.072 W/kg**

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

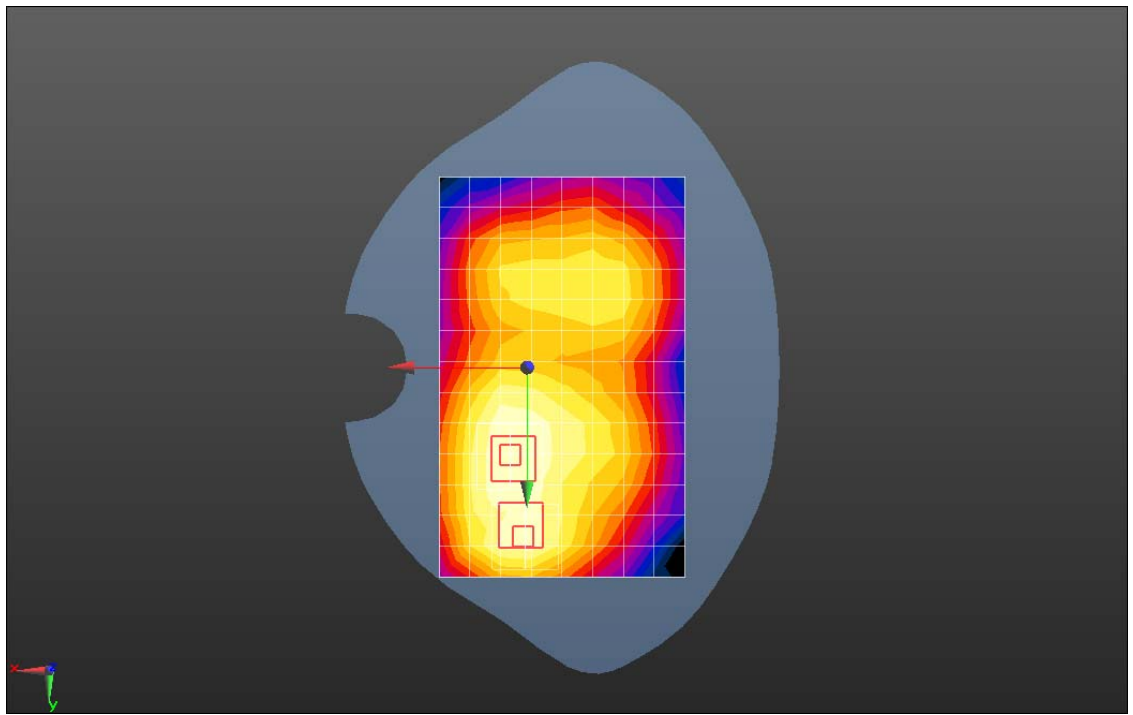
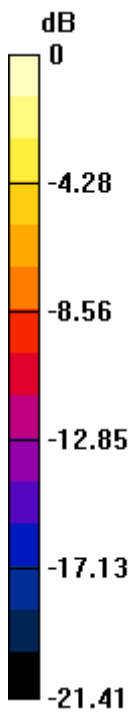
**Configuration/Body/Zoom Scan (5x5x7)/Cube 1:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 4.845 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 0.169 W/kg

**SAR(1 g) = 0.097 W/kg; SAR(10 g) = 0.057 W/kg**

Maximum value of SAR (measured) = 0.120 W/kg



0 dB = 0.125 W/kg = -9.03 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

## **BAC-L23 GSM1900 GPRS 3TS 661CH Left side 10mm with Battery3-Second Antenna**

**DUT: BAC-L23; Type: Smart Phone; Serial: SAR1**

Communication System: UID 0, HW-GSM\GPRS\EGPRS-3TS (0); Frequency: 1880 MHz; Duty Cycle: 1:2.77013

Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.553$  S/m;  $\epsilon_r = 52.086$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY Configuration:

- ε Probe: ES3DV3 - SN3168; ConvF(4.99, 4.99, 4.99); Calibrated: 2016-9-27;
- ε Sensor-Surface: 3mm (Mechanical Surface Detection),  $z = 2.0, 32.0$
- ε Electronics: DAE4 Sn851; Calibrated: 2016-7-22
- ε Phantom: SAM2; Type: SAM; Serial: TP:1474
- ε DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

**Configuration/Body/Area Scan (6x14x1):** Measurement grid: dx=15mm, dy=15mm  
Maximum value of SAR (measured) = 0.338 W/kg

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

Reference Value = 11.45 V/m; Power Drift = 0.09 dB

Peak SAR (extrapolated) = 0.458 W/kg

**SAR(1 g) = 0.282 W/kg; SAR(10 g) = 0.166 W/kg**

Maximum value of SAR (measured) = 0.339 W/kg

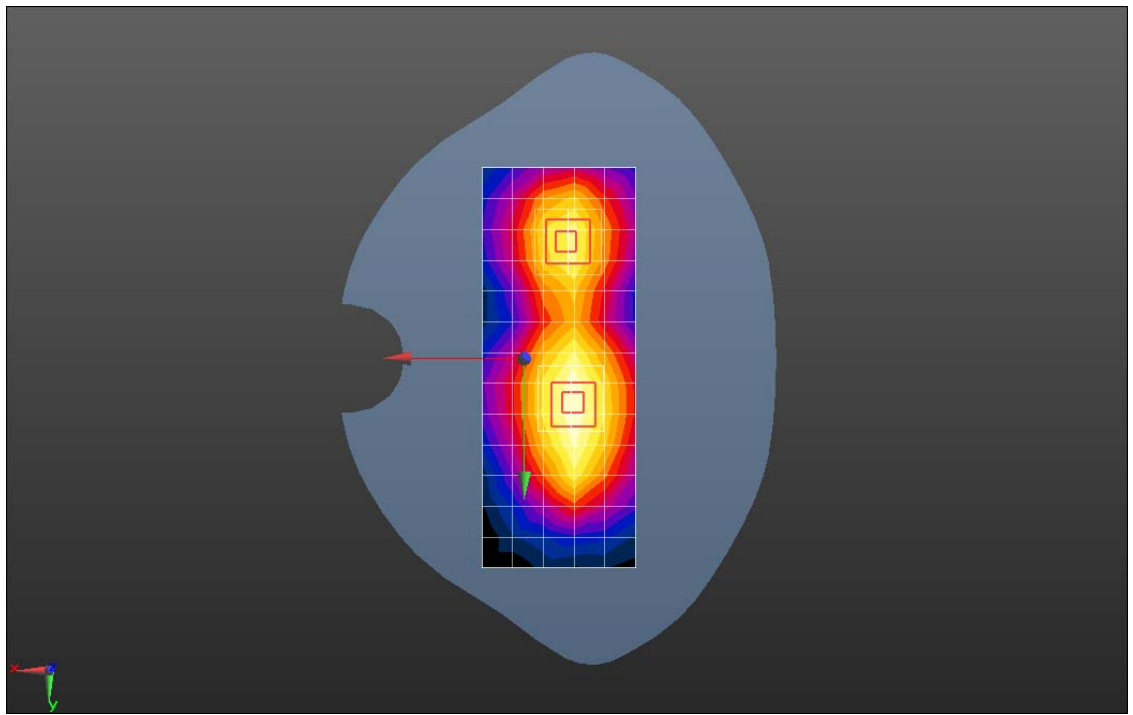
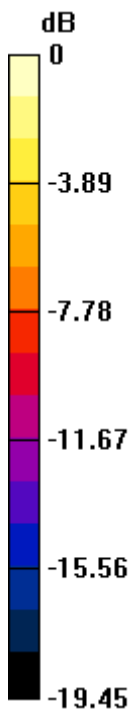
**Configuration/Body/Zoom Scan (5x5x7)/Cube 1:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 11.45 V/m; Power Drift = 0.09 dB

Peak SAR (extrapolated) = 0.318 W/kg

**SAR(1 g) = 0.195 W/kg; SAR(10 g) = 0.112 W/kg**

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



0 dB = 0.338 W/kg = -4.71 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

## **BAC-L23 UMTS Band II 9262CH Right touch with Battery3-Second Antenna**

**DUT: BAC-L23; Type: Smart Phone; Serial: SAR1**

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;  $\sigma = 1.407$  S/m;  $\epsilon_r = 38.646$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Right Section

DASY Configuration:

- ε Probe: ES3DV3 - SN3168; ConvF(5.33, 5.33, 5.33); Calibrated: 2016-9-27;
- ε Sensor-Surface: 3mm (Mechanical Surface Detection),  $z = 2.0, 32.0$
- ε Electronics: DAE4 Sn851; Calibrated: 2016-7-22
- ε Phantom: SAM1; Type: SAM; Serial: TP-1475
- ε 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) = 0.769 W/kg

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

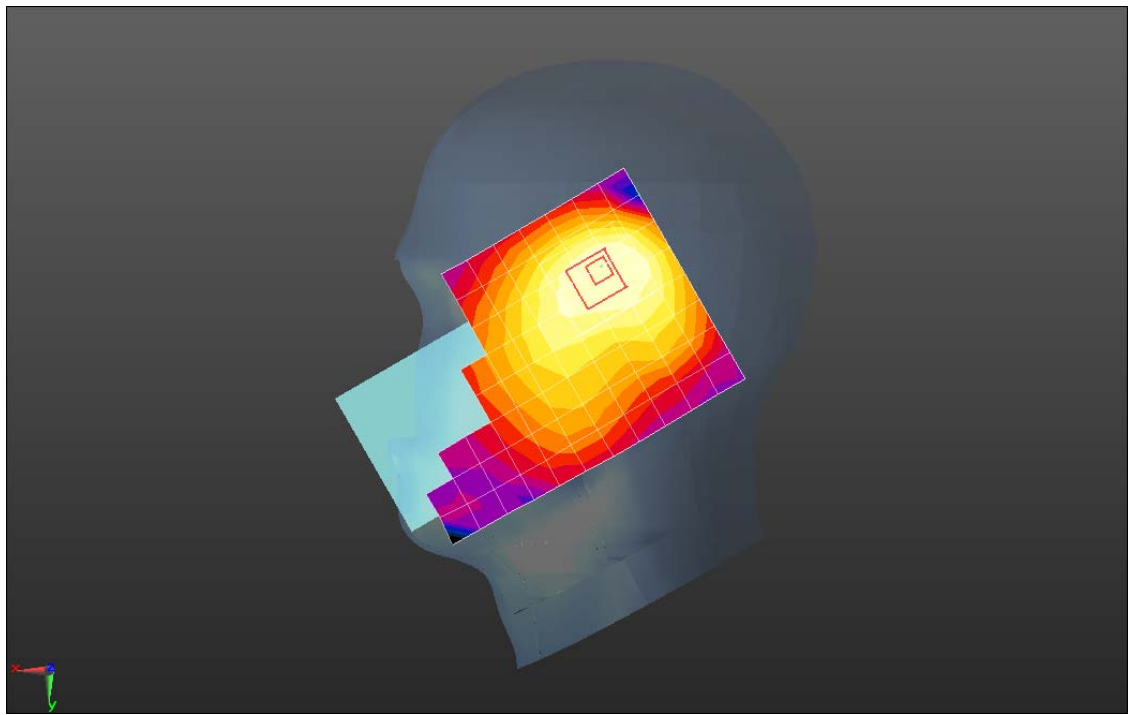
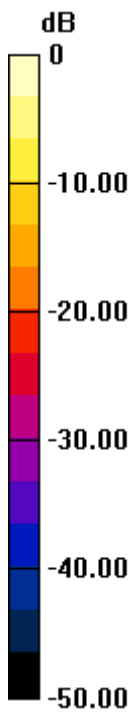
Reference Value = 15.53 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 1.61 W/kg

**SAR(1 g) = 0.815 W/kg; SAR(10 g) = 0.440 W/kg**

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

Maximum value of SAR (measured) = 1.04 W/kg



0 dB = 0.769 W/kg = -1.14 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

**BAC-L23 UMTS Band II 9400CH Back side 15mm with Battery 2-Second Antenna**

**DUT: BAC-L23; Type: Smart Phone; Serial: SAR1**

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

Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.566$  S/m;  $\epsilon_r = 52.77$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY Configuration:

- ε Probe: ES3DV3 - SN3168; ConvF(4.99, 4.99, 4.99); Calibrated: 2016-9-27;
- ε Sensor-Surface: 3mm (Mechanical Surface Detection),  $z = 2.0, 32.0$
- ε Electronics: DAE4 Sn851; Calibrated: 2016-7-22
- ε Phantom: SAM2; Type: SAM; Serial: TP:1474
- ε 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) = 0.275 W/kg

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

Reference Value = 6.532 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 0.377 W/kg

**SAR(1 g) = 0.248 W/kg; SAR(10 g) = 0.161 W/kg**

Maximum value of SAR (measured) = 0.288 W/kg

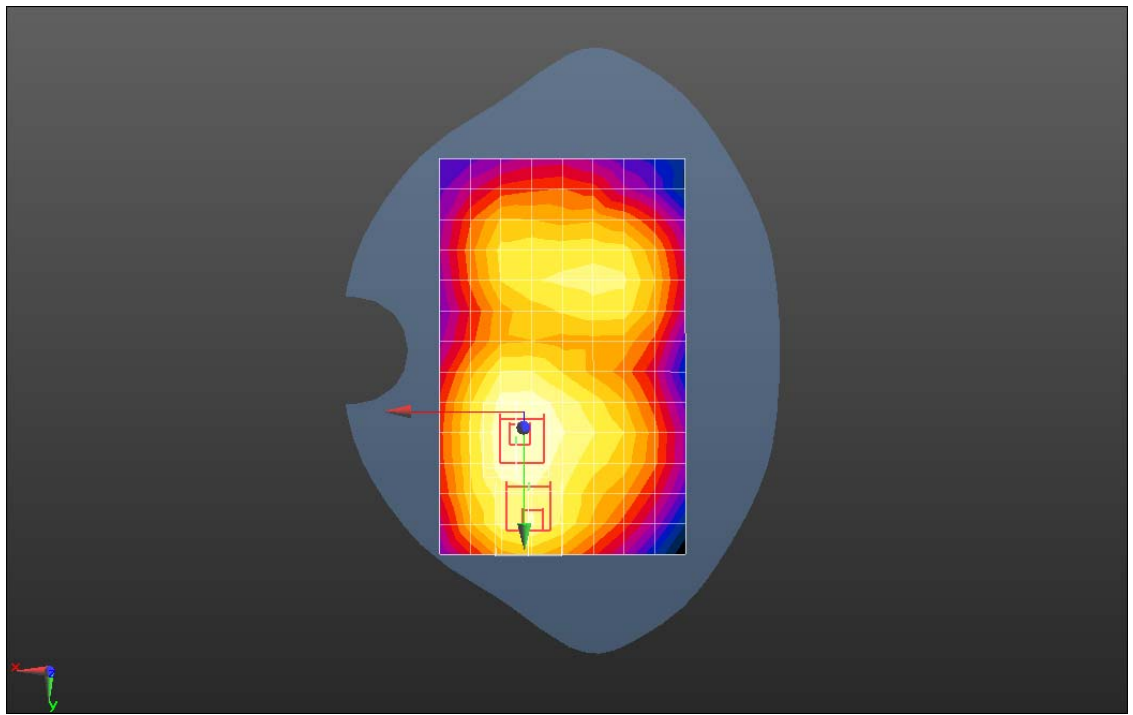
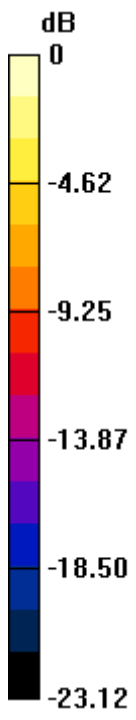
**Configuration/Body/Zoom Scan (5x5x7)/Cube 1:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 6.532 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 0.302 W/kg

**SAR(1 g) = 0.162 W/kg; SAR(10 g) = 0.099 W/kg**

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



0 dB = 0.275 W/kg = -5.61 dBW/kg



Test Laboratory: HUAWEI SAR/HAC Lab

## **BAC-L23 UMTS Band II 9262CH Left side 10mm-Second Antenna**

**DUT: BAC-L23; Type: Smart Phone; Serial: SAR1**

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;  $\sigma = 1.544$  S/m;  $\epsilon_r = 52.806$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY Configuration:

- ε Probe: ES3DV3 - SN3168; ConvF(4.99, 4.99, 4.99); Calibrated: 2016-9-27;
- ε Sensor-Surface: 3mm (Mechanical Surface Detection),  $z = 2.0, 32.0$
- ε Electronics: DAE4 Sn851; Calibrated: 2016-7-22
- ε Phantom: SAM2; Type: SAM; Serial: TP:1474
- ε 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) = 0.664 W/kg

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

Reference Value = 11.97 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 1.10 W/kg

**SAR(1 g) = 0.676 W/kg; SAR(10 g) = 0.399 W/kg**

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

Maximum value of SAR (measured) = 0.817 W/kg

**Configuration/Body/Zoom Scan (5x5x7)/Cube 1:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

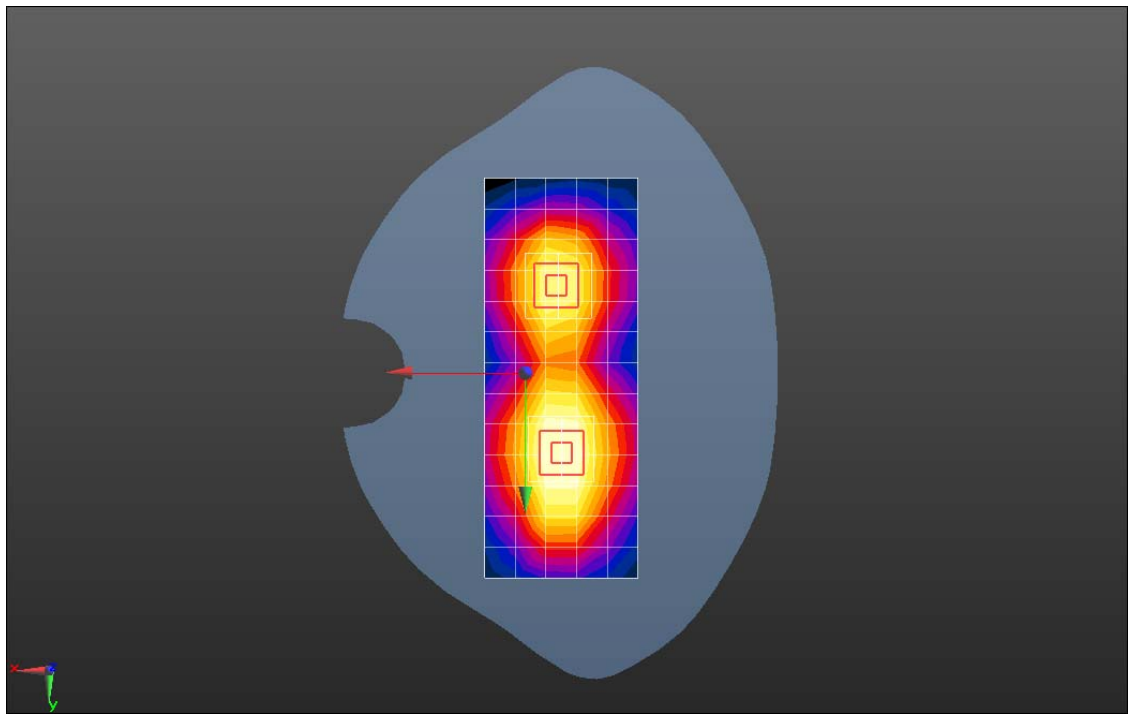
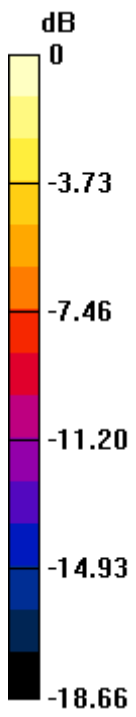
Reference Value = 11.97 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 0.769 W/kg

**SAR(1 g) = 0.472 W/kg; SAR(10 g) = 0.274 W/kg**

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

Maximum value of SAR (measured) = 0.574 W/kg



0 dB = 0.664 W/kg = -1.78 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

### BAC-L23 UMTS Band IV 1513CH Right touch-Second Antenna

**DUT: BAC-L23; Type: Smart Phone; Serial: SAR1**

Communication System: UID 0, HW-UMTS-FDD(WCDMA) (0); Frequency: 1752.6 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 1753$  MHz;  $\sigma = 1.367$  S/m;  $\epsilon_r = 38.928$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Right Section

DASY Configuration:

- ε Probe: ES3DV3 - SN3168; ConvF(5.58, 5.58, 5.58); Calibrated: 2016-9-27;
- ε Sensor-Surface: 3mm (Mechanical Surface Detection),  $z = 2.0, 32.0$
- ε Electronics: DAE4 Sn851; Calibrated: 2016-7-22
- ε Phantom: SAM1; Type: SAM; Serial: TP-1475
- ε 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) = 0.935 W/kg

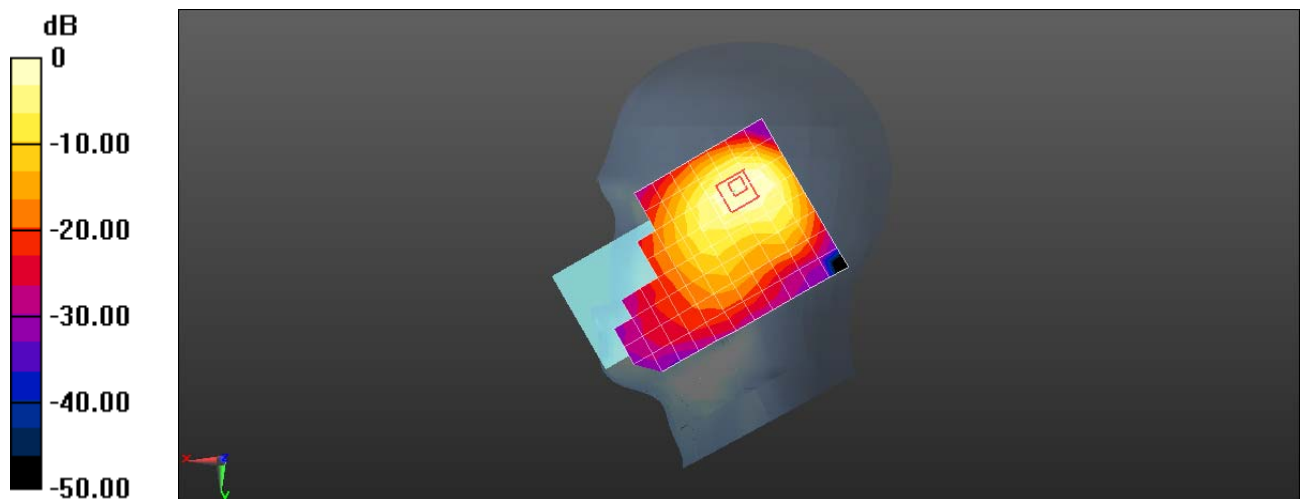
**Configuration/Head/Zoom Scan (5x6x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 15.58 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 1.51 W/kg

**SAR(1 g) = 0.754 W/kg; SAR(10 g) = 0.412 W/kg**

Maximum value of SAR (measured) = 0.914 W/kg



0 dB = 0.935 W/kg = -0.29 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

### BAC-L23 UMTS Band IV 1413CH Back side 15mm with Battery2-Second Antenna

**DUT: BAC-L23; Type: Smart Phone; Serial: SAR1**

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

Medium parameters used:  $f = 1733$  MHz;  $\sigma = 1.479$  S/m;  $\epsilon_r = 52.535$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY Configuration:

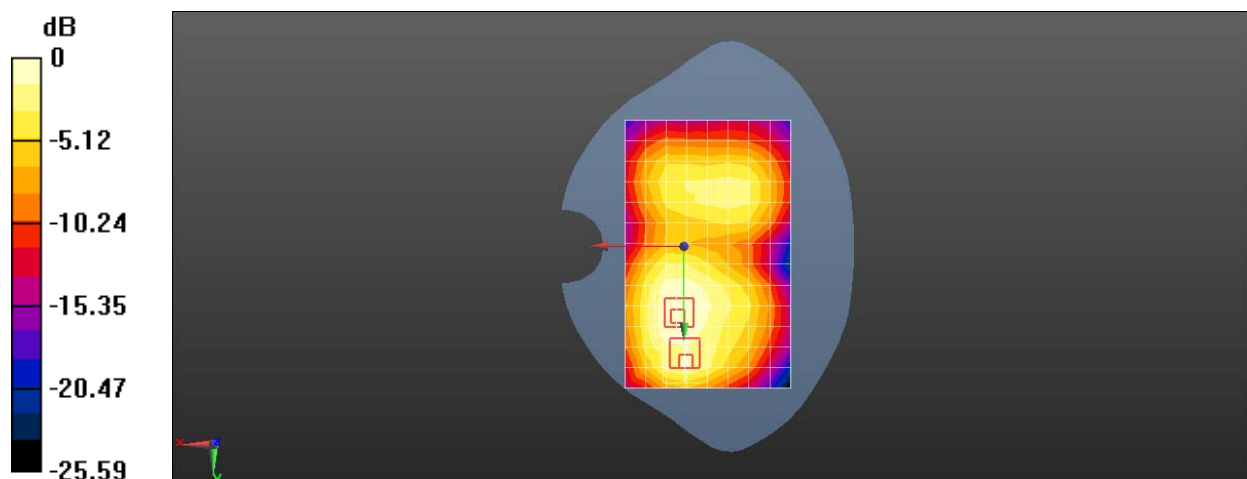
- ε Probe: ES3DV3 - SN3168; ConvF(5.22, 5.22, 5.22); Calibrated: 2016-9-27;
- ε Sensor-Surface: 3mm (Mechanical Surface Detection),  $z = 2.0, 32.0$
- ε Electronics: DAE4 Sn851; Calibrated: 2016-7-22
- ε Phantom: SAM2; Type: SAM; Serial: TP:1474
- ε DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

**Configuration/Body/Area Scan (9x14x1):** Measurement grid: dx=15mm, dy=15mm  
Maximum value of SAR (measured) = 0.174 W/kg

**Configuration/Body/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm  
Reference Value = 4.780 V/m; Power Drift = -0.08 dB  
Peak SAR (extrapolated) = 0.240 W/kg  
**SAR(1 g) = 0.164 W/kg; SAR(10 g) = 0.108 W/kg**  
Maximum value of SAR (measured) = 0.189 W/kg

**Configuration/Body/Zoom Scan (5x5x7)/Cube 1:** Measurement grid: dx=8mm, dy=8mm, dz=5mm  
Reference Value = 4.780 V/m; Power Drift = -0.08 dB  
Peak SAR (extrapolated) = 0.187 W/kg  
**SAR(1 g) = 0.108 W/kg; SAR(10 g) = 0.067 W/kg**

Maximum value of SAR (measured) = 0.134 W/kg



0 dB = 0.174 W/kg = -7.59 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

## BAC-L23 UMTS Band IV 1413CH Top side 10mm-Second Antenna

**DUT: BAC-L23; Type: Smart Phone; Serial: SAR1**

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

Medium parameters used:  $f = 1733$  MHz;  $\sigma = 1.479$  S/m;  $\epsilon_r = 52.535$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY Configuration:

- ε Probe: ES3DV3 - SN3168; ConvF(5.22, 5.22, 5.22); Calibrated: 2016-9-27;
- ε Sensor-Surface: 3mm (Mechanical Surface Detection),  $z = 2.0, 32.0$
- ε Electronics: DAE4 Sn851; Calibrated: 2016-7-22
- ε Phantom: SAM2; Type: SAM; Serial: TP:1474
- ε DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

**Configuration/Body/Area Scan (6x9x1):** Measurement grid:  $dx=15$ mm,  $dy=15$ mm

Maximum value of SAR (measured) = 0.452 W/kg

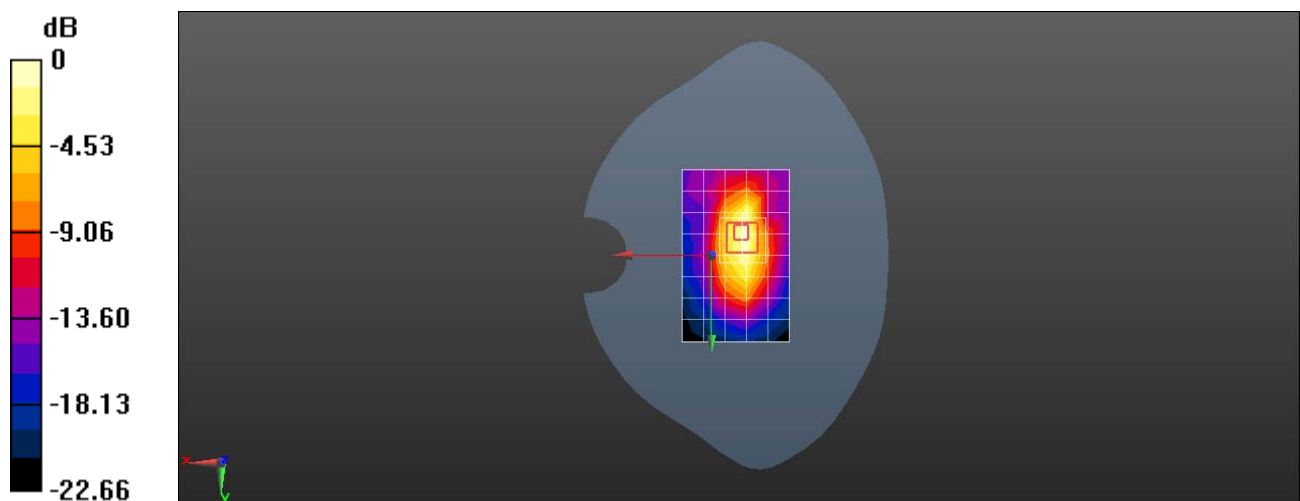
**Configuration/Body/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 15.20 V/m; Power Drift = 0.12 dB

Peak SAR (extrapolated) = 0.758 W/kg

**SAR(1 g) = 0.390 W/kg; SAR(10 g) = 0.193 W/kg**

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



0 dB = 0.452 W/kg = -3.45 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

## **BAC-L23 UMTS Band V 4132CH Right touch-Second Antenna**

**DUT: BAC-L23; Type: Smart Phone; Serial: SAR1**

Communication System: UID 0, HW-UMTS-FDD(WCDMA) (0); Frequency: 826.4 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated):  $f = 826.4$  MHz;  $\sigma = 0.916$  S/m;  $\epsilon_r = 40.046$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Right Section

DASY Configuration:

- ε Probe: ES3DV3 - SN3168; ConvF(6.68, 6.68, 6.68); Calibrated: 2016-9-27;
- ε Sensor-Surface: 3mm (Mechanical Surface Detection),  $z = 2.0, 32.0$
- ε Electronics: DAE4 Sn851; Calibrated: 2016-7-22
- ε Phantom: SAM1; Type: SAM; Serial: TP-1475
- ε DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

**Configuration/Head/Area Scan (8x13x1):** Measurement grid: dx=15mm, dy=15mm

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

Maximum value of SAR (measured) = 1.12 W/kg

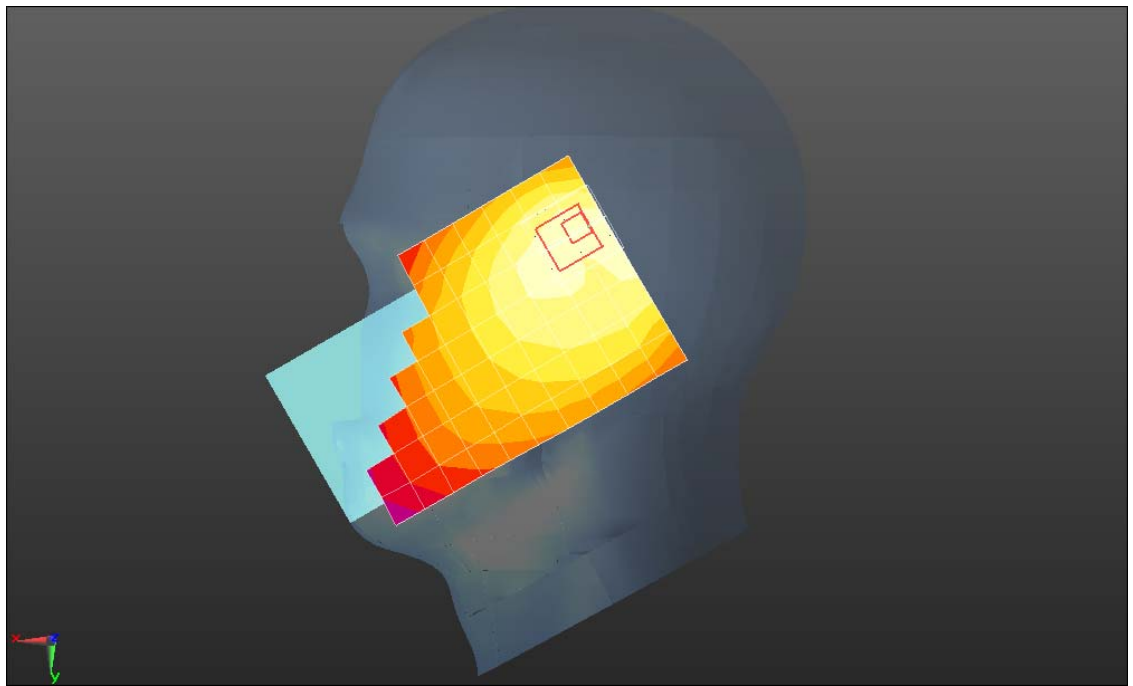
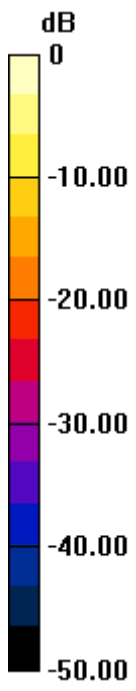
**Configuration/Head/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 21.05 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 2.06 W/kg

**SAR(1 g) = 0.928 W/kg; SAR(10 g) = 0.505 W/kg**

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



0 dB = 1.12 W/kg = 0.49 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

**BAC-L23 UMTS Band V 4182CH Front side 15mm with Battery 3-Second Antenna**

**DUT: BAC-L23; Type: Smart Phone; Serial: SAR1**

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;  $\sigma = 1.011$  S/m;  $\epsilon_r = 54.648$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY Configuration:

- ε Probe: ES3DV3 - SN3168; ConvF(6.33, 6.33, 6.33); Calibrated: 2016-9-27;
- ε Sensor-Surface: 3mm (Mechanical Surface Detection),  $z = 2.0, 32.0$
- ε Electronics: DAE4 Sn851; Calibrated: 2016-7-22
- ε Phantom: SAM2; Type: SAM; Serial: TP:1474
- ε DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

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

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

Maximum value of SAR (measured) = 0.296 W/kg

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

Reference Value = 16.71 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 0.507 W/kg

**SAR(1 g) = 0.312 W/kg; SAR(10 g) = 0.186 W/kg**

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

Maximum value of SAR (measured) = 0.372 W/kg

**Configuration/Body/Zoom Scan (5x5x7)/Cube 1:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 16.71 V/m; Power Drift = 0.03 dB

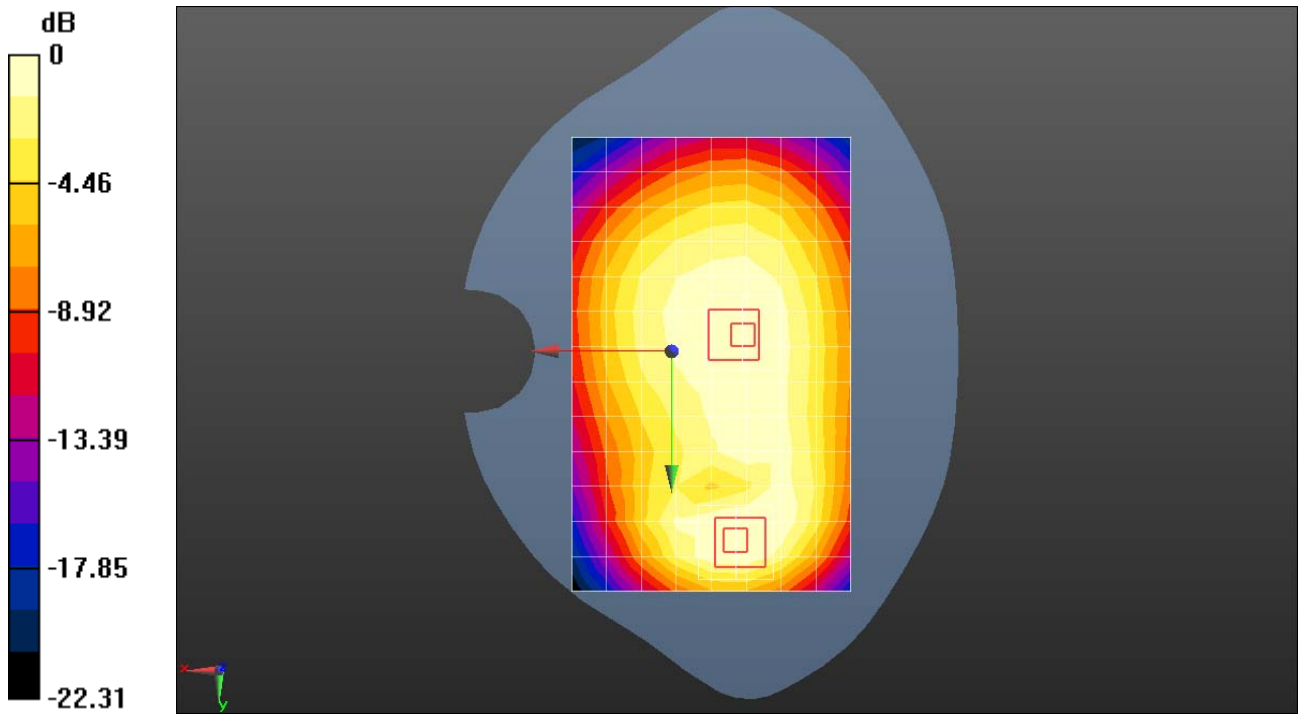
Peak SAR (extrapolated) = 0.340 W/kg

**SAR(1 g) = 0.264 W/kg; SAR(10 g) = 0.200 W/kg**

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

Maximum value of SAR (measured) = 0.292 W/kg





Test Laboratory: HUAWEI SAR/HAC Lab

### BAC-L23 UMTS Band V 4233CH Front side 10mm-Second Antenna

**DUT: BAC-L23; Type: Smart Phone; Serial: SAR1**

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

Medium parameters used:  $f = 847$  MHz;  $\sigma = 1.016$  S/m;  $\epsilon_r = 54.609$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY Configuration:

- ε Probe: ES3DV3 - SN3168; ConvF(6.33, 6.33, 6.33); Calibrated: 2016-9-27;
- ε Sensor-Surface: 3mm (Mechanical Surface Detection),  $z = 2.0, 32.0$
- ε Electronics: DAE4 Sn851; Calibrated: 2016-7-22
- ε Phantom: SAM2; Type: SAM; Serial: TP:1474
- ε 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) = 0.795 W/kg

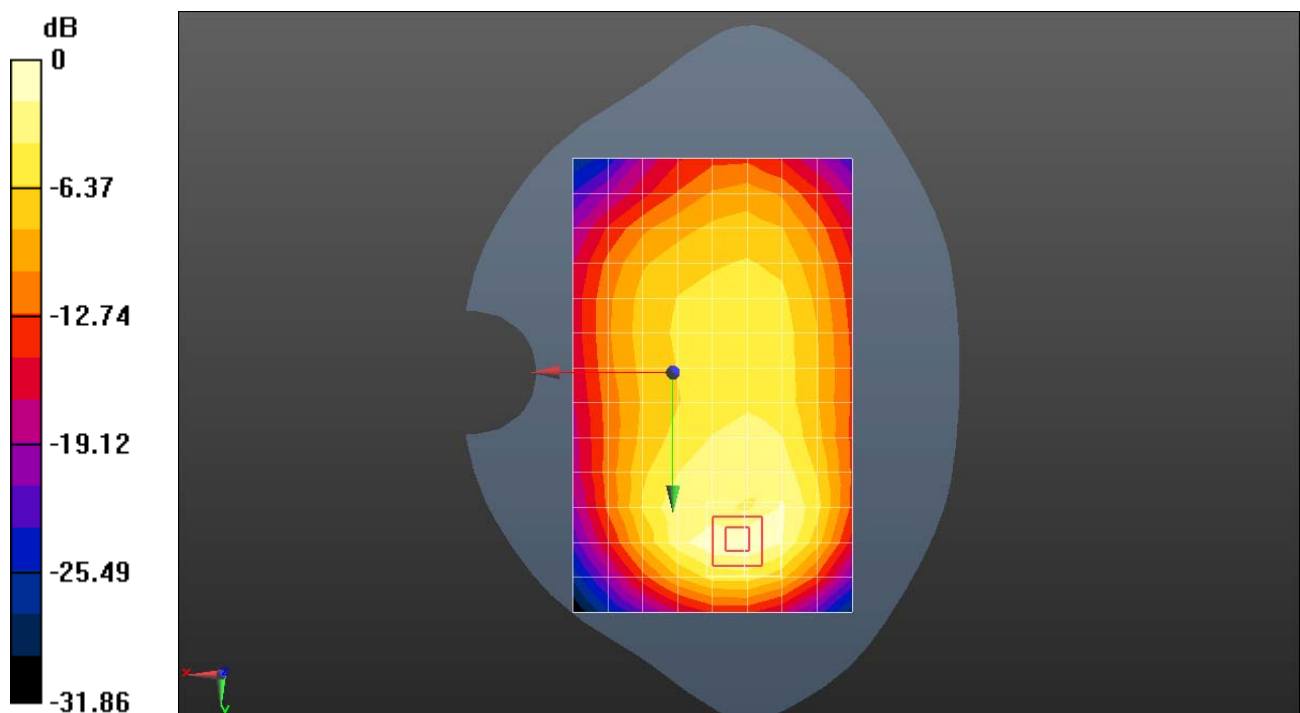
**Configuration/Body/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 15.28 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 1.22 W/kg

**SAR(1 g) = 0.682 W/kg; SAR(10 g) = 0.380 W/kg**

Maximum value of SAR (measured) = 0.840 W/kg



0 dB = 0.795 W/kg = -1.00 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

## **BAC-L23 LTE Band II 20M QPSK 1RB 50 offset 19100CH Right touch-Second Antenna-repeated**

**DUT: BAC-L23; Type: Smart Phone; Serial: SAR1**

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;  $\sigma = 1.436$  S/m;  $\epsilon_r = 38.555$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Right Section

DASY Configuration:

- ε Probe: ES3DV3 - SN3168; ConvF(5.33, 5.33, 5.33); Calibrated: 2016-9-27;
- ε Sensor-Surface: 3mm (Mechanical Surface Detection),  $z = 2.0, 32.0$
- ε Electronics: DAE4 Sn851; Calibrated: 2016-7-22
- ε Phantom: SAM1; Type: SAM; Serial: TP-1475
- ε 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) = 1.08 W/kg

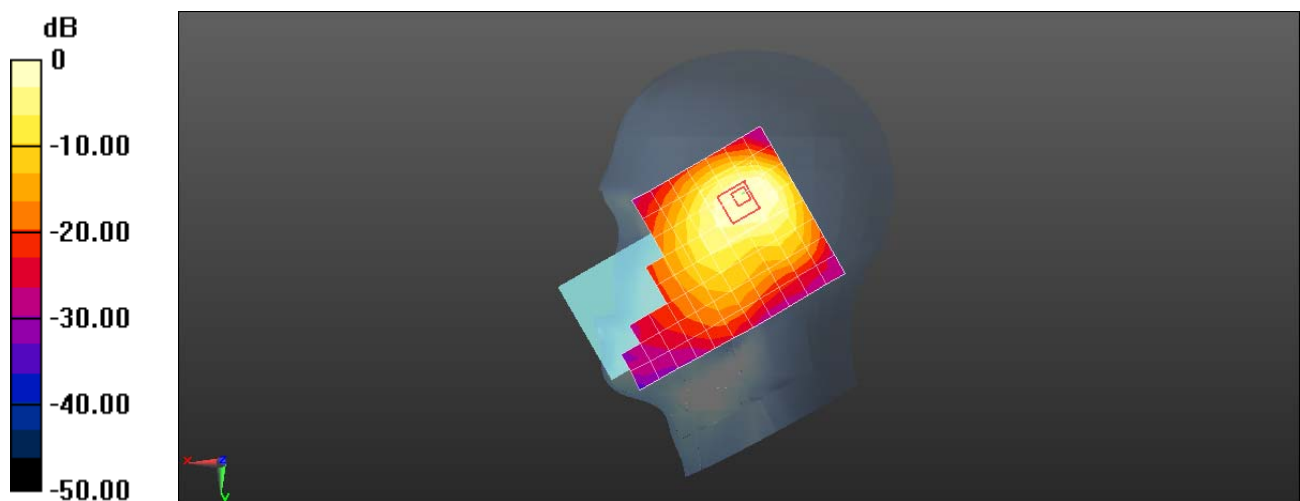
**Configuration/Head/Zoom Scan (6x6x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 16.99 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 1.93 W/kg

**SAR(1 g) = 1.02 W/kg; SAR(10 g) = 0.556 W/kg**

Maximum value of SAR (measured) = 1.30 W/kg



0 dB = 1.08 W/kg = 0.33 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

## **BAC-L23 LTE Band II 20M QPSK 1RB 0 offset 18900CH Front side 15mm with Battery 2-Second Antenna**

**DUT: BAC-L23; 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;  $\sigma = 1.524$  S/m;  $\epsilon_r = 53.651$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY Configuration:

- ε Probe: EX3DV4 - SN3744; ConvF(7.48, 7.48, 7.48); Calibrated: 2016-7-26;
- ε Sensor-Surface: 1.4mm (Mechanical Surface Detection),  $z = 1.0, 31.0$
- ε Electronics: DAE4 Sn1236; Calibrated: 2016-11-22
- ε Phantom: SAM4; Type: SAM; Serial: TP-1620
- ε 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) = 0.220 W/kg

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

Reference Value = 5.325 V/m; Power Drift = -0.12 dB

Peak SAR (extrapolated) = 0.269 W/kg

**SAR(1 g) = 0.171 W/kg; SAR(10 g) = 0.111 W/kg**

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

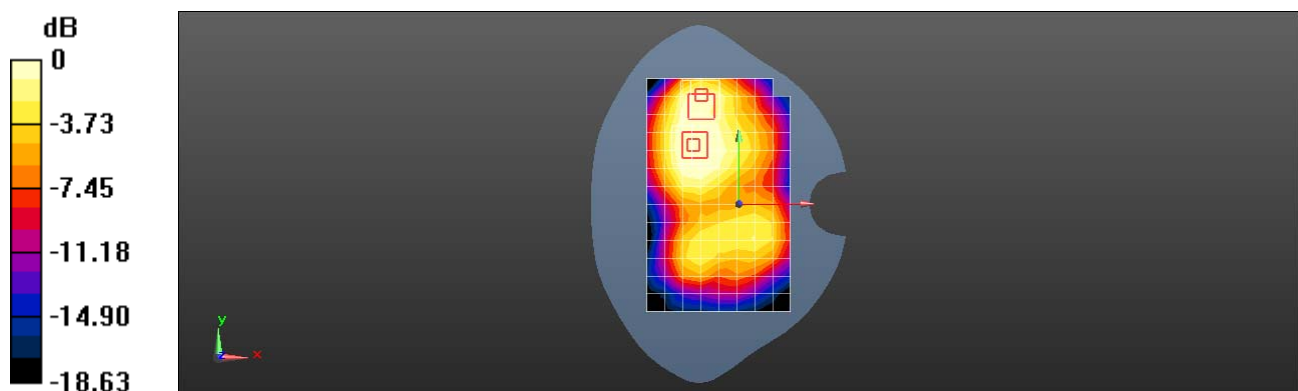
**Configuration/Body/Zoom Scan (5x5x7)/Cube 1:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 5.325 V/m; Power Drift = -0.12 dB

Peak SAR (extrapolated) = 0.200 W/kg

**SAR(1 g) = 0.112 W/kg; SAR(10 g) = 0.065 W/kg**

Maximum value of SAR (measured) = 0.172 W/kg



0 dB = 0.172 W/kg = -7.63 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

### BAC-L23 LTE Band II 20M QPSK 1RB 0 offset 18900CH Left side 10mm with Battery 2-Second Antenna

**DUT: BAC-L23; 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;  $\sigma = 1.524$  S/m;  $\epsilon_r = 53.651$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY Configuration:

- ε Probe: EX3DV4 - SN3744; ConvF(7.48, 7.48, 7.48); Calibrated: 2016-7-26;
- ε Sensor-Surface: 1.4mm (Mechanical Surface Detection),  $z = 1.0, 31.0$
- ε Electronics: DAE4 Sn1236; Calibrated: 2016-11-22
- ε Phantom: SAM4; Type: SAM; Serial: TP-1620
- ε 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) = 0.692 W/kg

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

Reference Value = 11.73 V/m; Power Drift = -0.09 dB

Peak SAR (extrapolated) = 0.813 W/kg

**SAR(1 g) = 0.480 W/kg; SAR(10 g) = 0.280 W/kg**

Maximum value of SAR (measured) = 0.691 W/kg

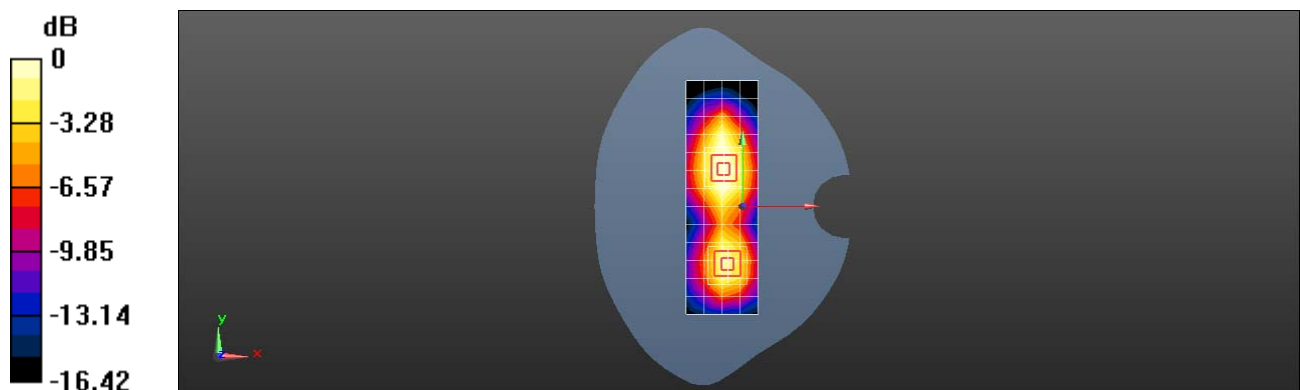
**Configuration/Body/Zoom Scan (5x5x7)/Cube 1:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 11.73 V/m; Power Drift = -0.09 dB

Peak SAR (extrapolated) = 0.605 W/kg

**SAR(1 g) = 0.353 W/kg; SAR(10 g) = 0.201 W/kg**

Maximum value of SAR (measured) = 0.515 W/kg



0 dB = 0.515 W/kg = -2.89 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

## **BAC-L23 LTE Band IV 20M QPSK 1RB 99 offset 20300CH Right touch-Second Antenna**

**DUT: BAC-L23; Type: Smart Phone; Serial: SAR1**

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;  $\sigma = 1.362$  S/m;  $\epsilon_r = 38.938$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Right Section

DASY Configuration:

- ε Probe: ES3DV3 - SN3168; ConvF(5.58, 5.58, 5.58); Calibrated: 2016-9-27;
- ε Sensor-Surface: 3mm (Mechanical Surface Detection),  $z = 2.0, 32.0$
- ε Electronics: DAE4 Sn851; Calibrated: 2016-7-22
- ε Phantom: SAM1; Type: SAM; Serial: TP-1475
- ε 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) = 1.28 W/kg

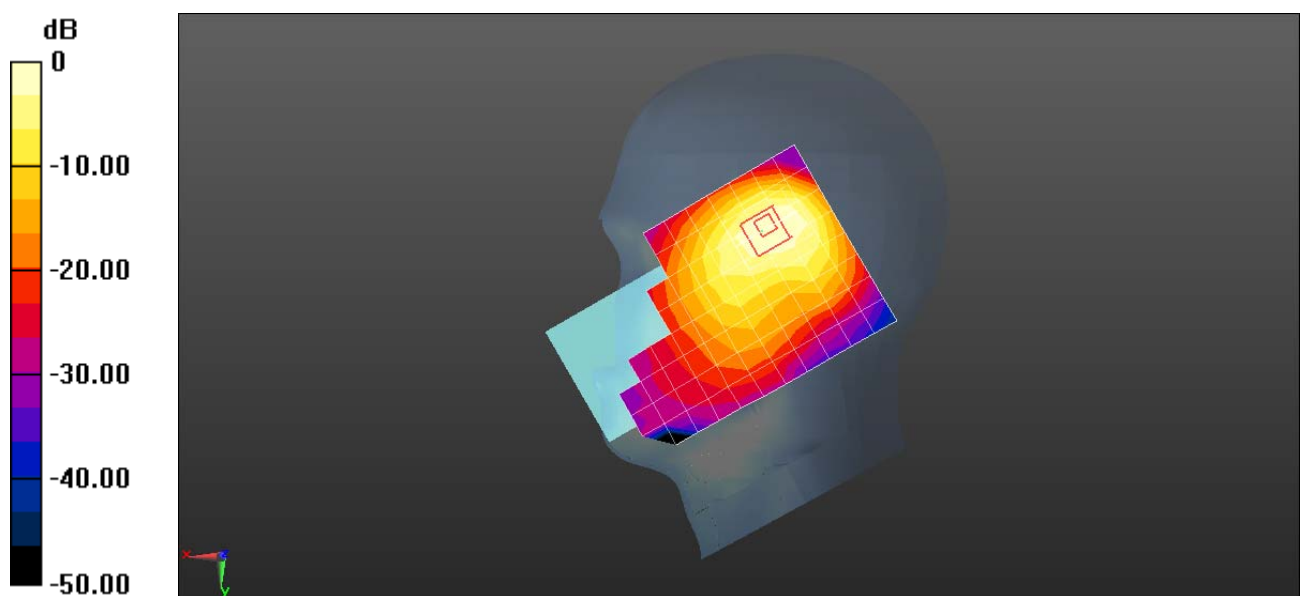
**Configuration/Head/Zoom Scan (5x6x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 18.12 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 2.09 W/kg

**SAR(1 g) = 1.03 W/kg; SAR(10 g) = 0.561 W/kg**

Maximum value of SAR (measured) = 1.24 W/kg



0 dB = 1.28 W/kg = 1.07 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

### **BAC-L23 LTE Band IV 20M QPSK 1RB 50 offset 20050CH Back side 15mm with Battery 3-Second Antenna**

**DUT: BAC-L23; 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;  $\sigma = 1.497$  S/m;  $\epsilon_r = 53.329$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY Configuration:

- ε Probe: EX3DV4 - SN3744; ConvF(7.61, 7.61, 7.61); Calibrated: 2016-7-26;
- ε Sensor-Surface: 1.4mm (Mechanical Surface Detection), z = 1.0, 31.0
- ε Electronics: DAE4 Sn1236; Calibrated: 2016-11-22
- ε Phantom: SAM4; Type: SAM; Serial: TP-1620
- ε DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

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

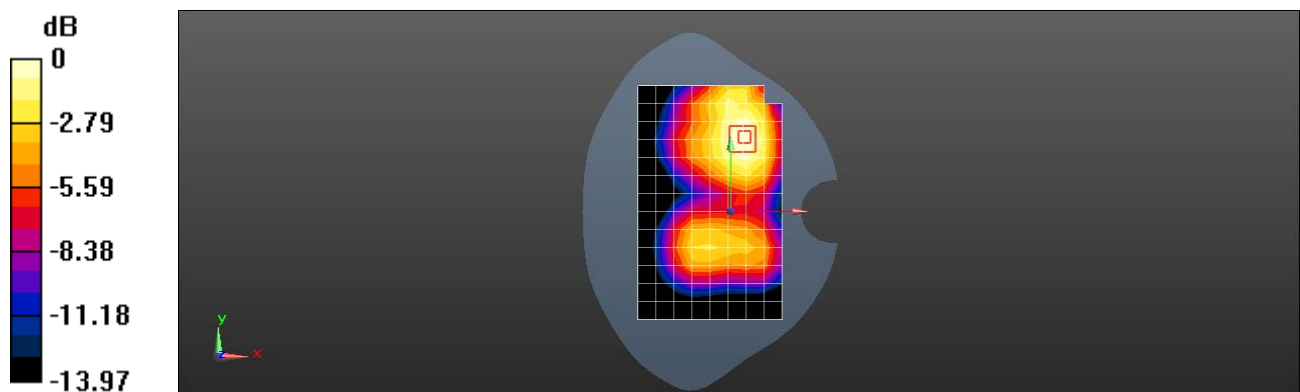
Maximum value of SAR (measured) = 0.215 W/kg

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

Reference Value = 5.153 V/m; Power Drift = 0.08 dB

Peak SAR (extrapolated) = 0.248 W/kg

**SAR(1 g) = 0.165 W/kg; SAR(10 g) = 0.109 W/kg**



0 dB = 0.215 W/kg = -6.67 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

## BAC-L23 LTE Band IV 20M QPSK 1RB 50 offset 20050CH Top side 10mm-Second Antenna

**DUT: BAC-L23; Type: Smart Phone; Serial: SAR1**

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;  $\sigma = 1.494$  S/m;  $\epsilon_r = 52.069$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY Configuration:

- ε Probe: EX3DV4 - SN3744; ConvF(7.61, 7.61, 7.61); Calibrated: 2016-7-26;
- ε Sensor-Surface: 1.4mm (Mechanical Surface Detection),  $z = 1.0, 31.0$
- ε Electronics: DAE4 Sn851; Calibrated: 2016-7-22
- ε Phantom: SAM2; Type: SAM; Serial: TP:1474
- ε 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) = 0.582 W/kg

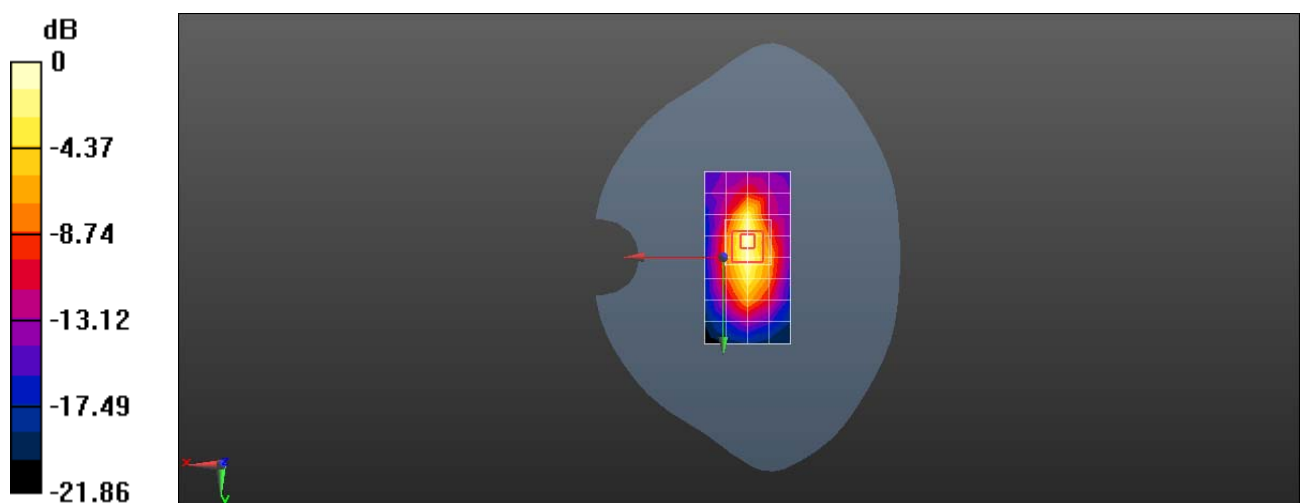
**Configuration/Body/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 16.12 V/m; Power Drift = -0.06 dB

Peak SAR (extrapolated) = 0.706 W/kg

**SAR(1 g) = 0.359 W/kg; SAR(10 g) = 0.182 W/kg**

Maximum value of SAR (measured) = 0.576 W/kg



0 dB = 0.582 W/kg = -2.35 dBW/kg



Test Laboratory: HUAWEI SAR/HAC Lab

## **BAC-L23 LTE Band V 10M QPSK 1RB 25 offset 20525CH Right touch-Second Antenna**

**DUT: BAC-L23; 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;  $\sigma = 0.923$  S/m;  $\epsilon_r = 42.156$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Right Section

DASY Configuration:

- ε Probe: EX3DV4 - SN3744; ConvF(8.86, 8.86, 8.86); Calibrated: 2016-7-26;
- ε Sensor-Surface: 1.4mm (Mechanical Surface Detection),  $z = 1.0, 31.0$
- ε Electronics: DAE4 Sn852; Calibrated: 2017-4-27
- ε Phantom: SAM3; Type: SAM; Serial: TP-1597
- ε 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) = 1.18 W/kg

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

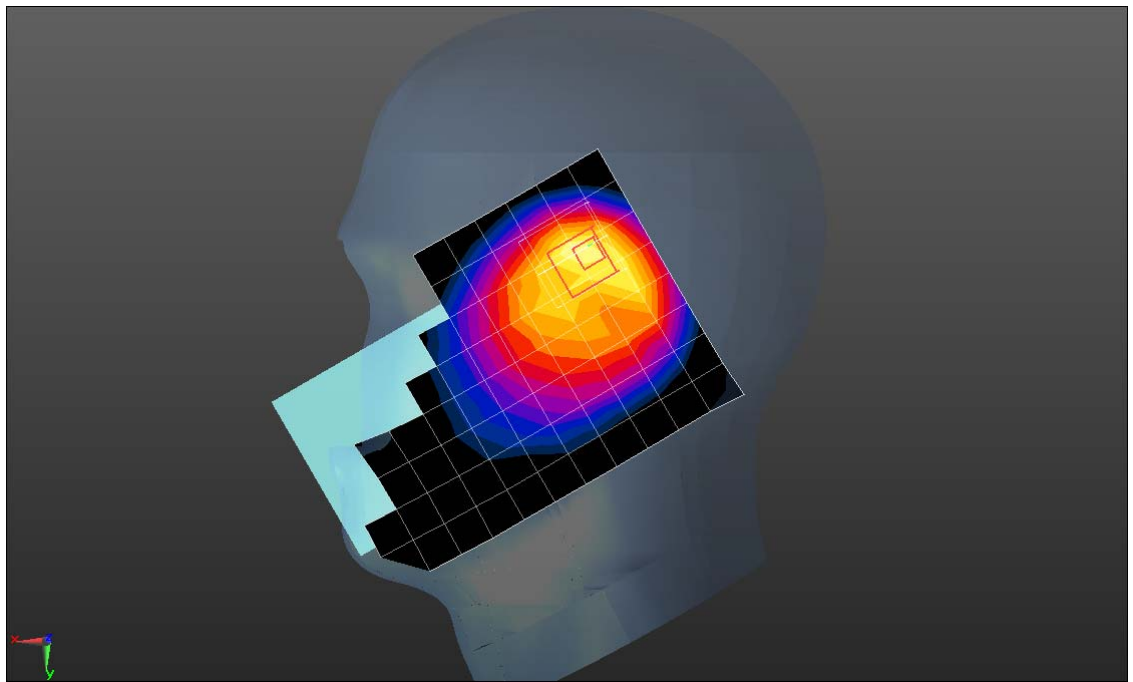
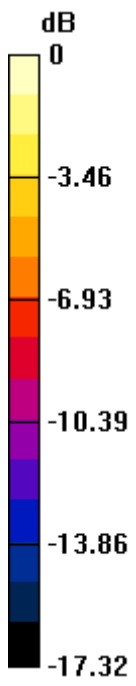
Reference Value = 19.49 V/m; Power Drift = -0.14 dB

Peak SAR (extrapolated) = 2.07 W/kg

**SAR(1 g) = 0.844 W/kg; SAR(10 g) = 0.442 W/kg**

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

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



0 dB = 1.48 W/kg = 1.70 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

**BAC-L23 LTE Band V 10M QPSK 1RB 25 offset 20525CH Front side 15mm with Battery 3-Second Antenna**

**DUT: BAC-L23; Type: Smart Phone; Serial: SAR1**

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;  $\sigma = 1.011$  S/m;  $\epsilon_r = 54.647$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY Configuration:

- ε Probe: ES3DV3 - SN3168; ConvF(6.33, 6.33, 6.33); Calibrated: 2016-9-27;
- ε Sensor-Surface: 3mm (Mechanical Surface Detection),  $z = 2.0, 32.0$
- ε Electronics: DAE4 Sn851; Calibrated: 2016-7-22
- ε Phantom: SAM2; Type: SAM; Serial: TP:1474
- ε DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

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

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

Maximum value of SAR (measured) = 0.307 W/kg

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

Reference Value = 14.82 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 0.421 W/kg

**SAR(1 g) = 0.258 W/kg; SAR(10 g) = 0.154 W/kg**

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

Maximum value of SAR (measured) = 0.312 W/kg

**Configuration/Body/Zoom Scan (5x5x7)/Cube 1:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

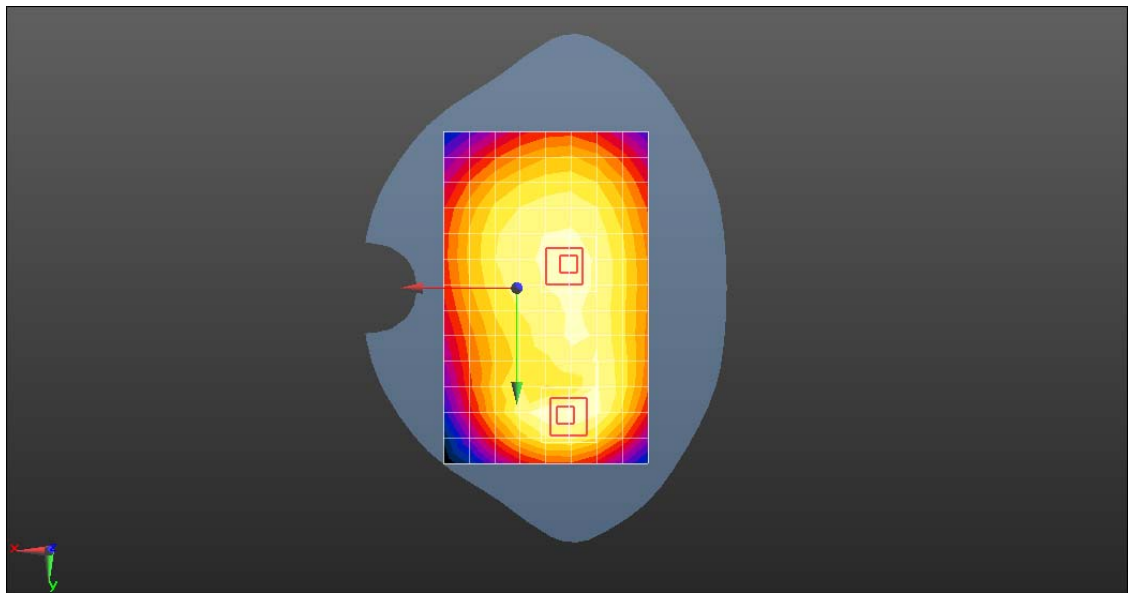
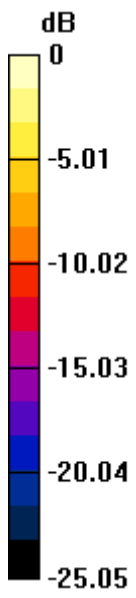
Reference Value = 14.82 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 0.282 W/kg

**SAR(1 g) = 0.217 W/kg; SAR(10 g) = 0.164 W/kg**

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

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



0 dB = 0.307 W/kg = -5.13 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

**BAC-L23 LTE Band V 10M QPSK 1RB 25 offset 20525CH Front side 10mm with Battery 3-Second Antenna**

**DUT: BAC-L23; Type: Smart Phone; Serial: SAR1**

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;  $\sigma = 1.011$  S/m;  $\epsilon_r = 54.647$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY Configuration:

- ε Probe: ES3DV3 - SN3168; ConvF(6.33, 6.33, 6.33); Calibrated: 2016-9-27;
- ε Sensor-Surface: 3mm (Mechanical Surface Detection),  $z = 2.0, 32.0$
- ε Electronics: DAE4 Sn851; Calibrated: 2016-7-22
- ε Phantom: SAM2; Type: SAM; Serial: TP:1474
- ε DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

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

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

Maximum value of SAR (measured) = 0.669 W/kg

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

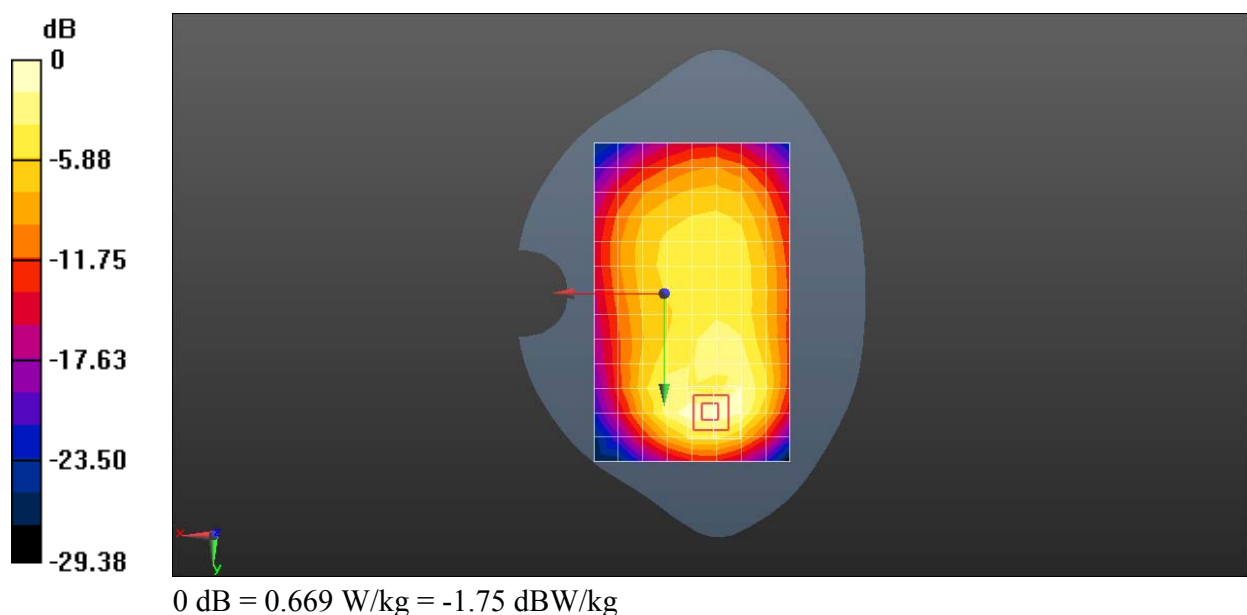
Reference Value = 15.25 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 1.00 W/kg

**SAR(1 g) = 0.562 W/kg; SAR(10 g) = 0.313 W/kg**

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

Maximum value of SAR (measured) = 0.674 W/kg



Test Laboratory: HUAWEI SAR/HAC Lab

## BAC-L23 LTE Band VII 20M QPSK 1RB 50 offset 21350CH Right tilt-Second Antenna

**DUT: BAC-L23; Type: Smart Phone; Serial: SAR2**

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;  $\sigma = 1.954$  S/m;  $\epsilon_r = 40.591$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Right Section

DASY Configuration:

- ε Probe: EX3DV4 - SN3744; ConvF(6.9, 6.9, 6.9); Calibrated: 2016-7-26;
- ε Sensor-Surface: 1.4mm (Mechanical Surface Detection),  $z = 1.0, 31.0$
- ε Electronics: DAE4 Sn1236; Calibrated: 2016-11-22
- ε Phantom: SAM3; Type: SAM; Serial: TP-1597
- ε DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

**Configuration/Head/Area Scan (11x17x1):** Measurement grid:  $dx=12$ mm,  $dy=12$ mm  
Maximum value of SAR (measured) = 1.49 W/kg

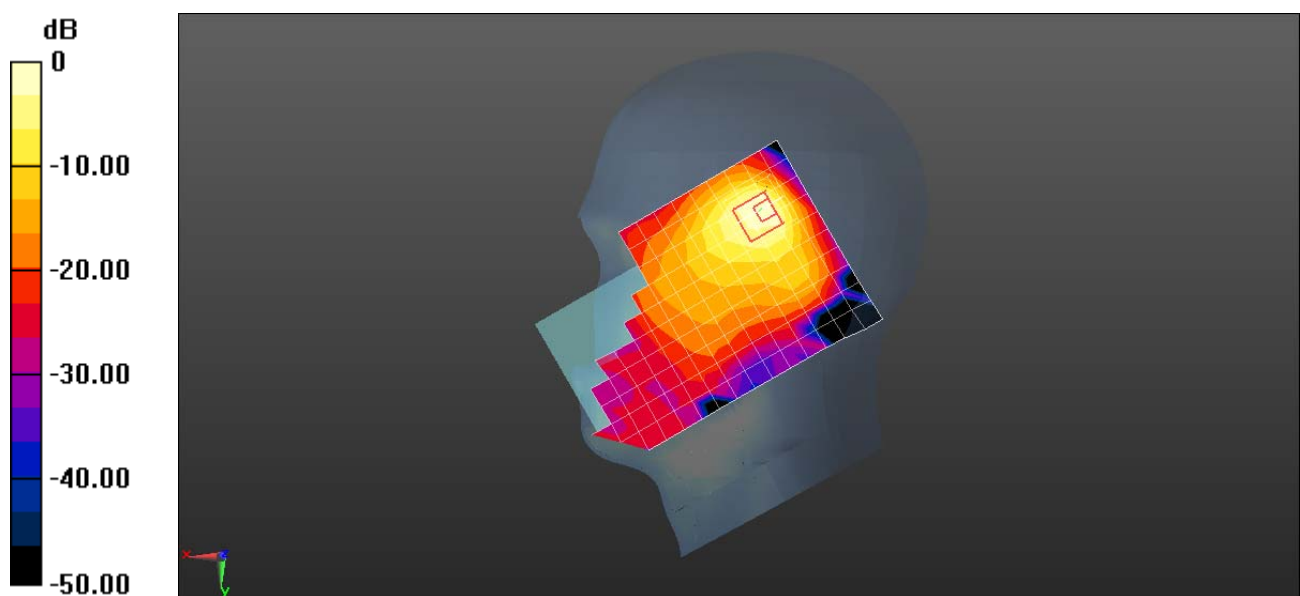
**Configuration/Head/Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

Reference Value = 7.841 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 2.34 W/kg

**SAR(1 g) = 0.851 W/kg; SAR(10 g) = 0.372 W/kg**

Maximum value of SAR (measured) = 1.65 W/kg



0 dB = 1.49 W/kg = 1.73 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

### BAC-L23 LTE Band VII 20M QPSK 50RB 0 offset 21350CH Front side 15mm-Second Antenna

**DUT: BAC-L23; 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;  $\sigma = 2.181$  S/m;  $\epsilon_r = 51.853$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY Configuration:

- ε Probe: ES3DV3 - SN3168; ConvF(4.31, 4.31, 4.31); Calibrated: 2016-9-27;
- ε Sensor-Surface: 3mm (Mechanical Surface Detection),  $z = 2.0, 32.0$
- ε Electronics: DAE4 Sn851; Calibrated: 2016-7-22
- ε Phantom: SAM2; Type: SAM; Serial: TP:1474
- ε DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

**Configuration/Body/Area Scan (10x17x1):** Measurement grid:  $dx=12$ mm,  $dy=12$ mm  
Maximum value of SAR (measured) = 0.329 W/kg

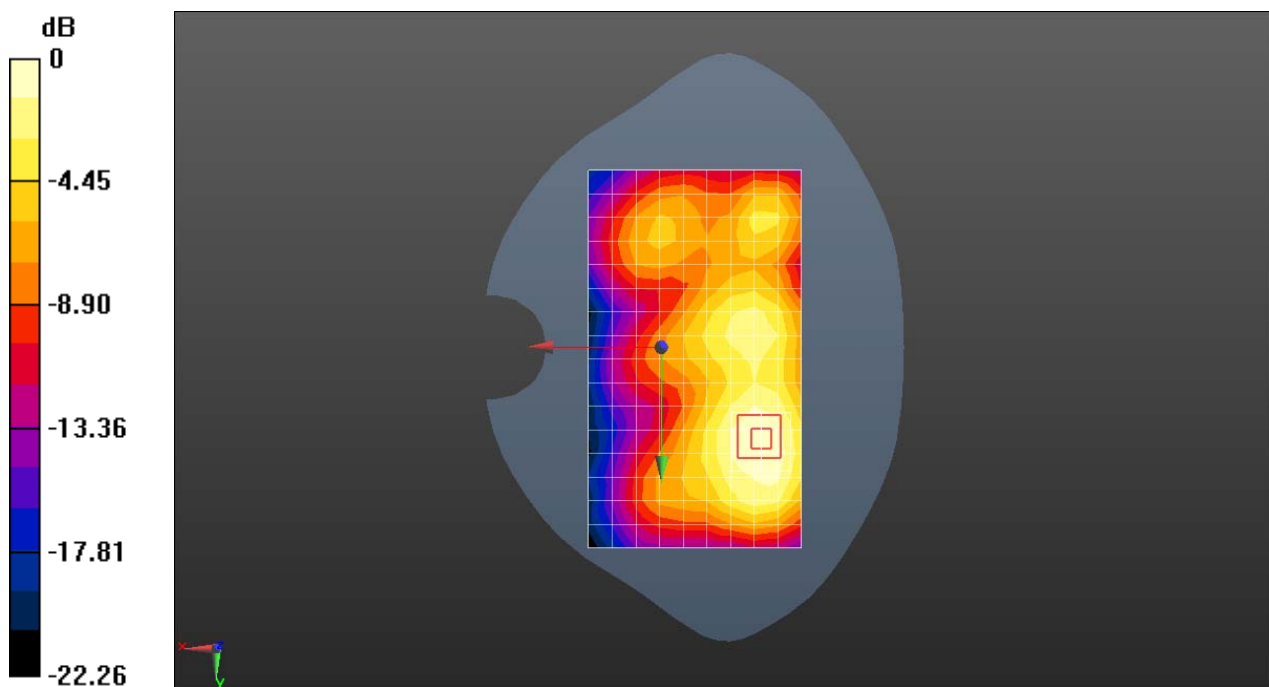
**Configuration/Body/Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

Reference Value = 7.087 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 0.532 W/kg

**SAR(1 g) = 0.280 W/kg; SAR(10 g) = 0.155 W/kg**

Maximum value of SAR (measured) = 0.346 W/kg



0 dB = 0.329 W/kg = -4.83 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

**BAC-L23 LTE Band VII 20M QPSK 1RB 50 offset 21350CH Left side 10mm-Second Antenna**

**DUT: BAC-L23; 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;  $\sigma = 2.181$  S/m;  $\epsilon_r = 51.853$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY Configuration:

- ε Probe: ES3DV3 - SN3168; ConvF(4.31, 4.31, 4.31); Calibrated: 2016-9-27;
- ε Sensor-Surface: 3mm (Mechanical Surface Detection),  $z = 2.0, 32.0$
- ε Electronics: DAE4 Sn851; Calibrated: 2016-7-22
- ε Phantom: SAM2; Type: SAM; Serial: TP:1474
- ε DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

**Configuration/Body/Area Scan (7x17x1):** Measurement grid: dx=12mm, dy=12mm

Maximum value of SAR (measured) = 0.935 W/kg

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

Reference Value = 17.80 V/m; Power Drift = -0.16 dB

Peak SAR (extrapolated) = 1.60 W/kg

**SAR(1 g) = 0.798 W/kg; SAR(10 g) = 0.405 W/kg**

Maximum value of SAR (measured) = 1.02 W/kg

**Configuration/Body/Zoom Scan (7x7x7)/Cube 1:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

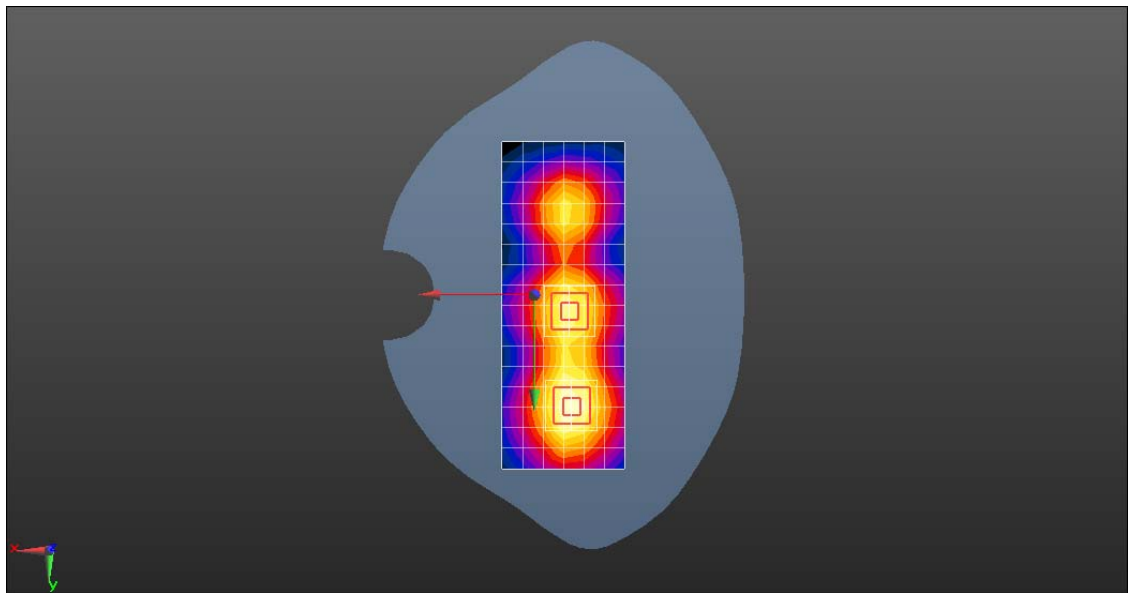
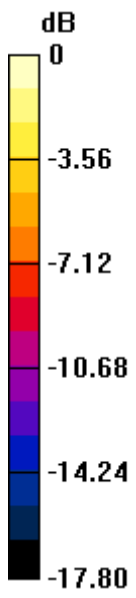
Reference Value = 17.80 V/m; Power Drift = -0.16 dB

Peak SAR (extrapolated) = 1.01 W/kg

**SAR(1 g) = 0.513 W/kg; SAR(10 g) = 0.264 W/kg**

Maximum value of SAR (measured) = 0.647 W/kg





0 dB = 1.31 W/kg = 1.17 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

## BAC-L23 LTE Band XII 10M QPSK 1RB 25 offset 23095CH Right touch with Battery 3-Second Antenna

**DUT: BAC-L23; Type: Smart Phone; Serial: SAR2**

Communication System: UID 0, LTE-FDD (SC-FDMA, 10MHz, QPSK/16-QAM) (0); Frequency: 707.5 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated):  $f = 707.5$  MHz;  $\sigma = 0.876$  S/m;  $\epsilon_r = 42.548$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Right Section

DASY Configuration:

- ε Probe: EX3DV4 - SN3744; ConvF(9.7, 9.7, 9.7); Calibrated: 2016-7-26;
- ε Sensor-Surface: 1.4mm (Mechanical Surface Detection),  $z = 1.0, 31.0$
- ε Electronics: DAE4 Sn852; Calibrated: 2017-4-27
- ε Phantom: SAM3; Type: SAM; Serial: TP-1597
- ε DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

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

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

Maximum value of SAR (measured) = 0.820 W/kg

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

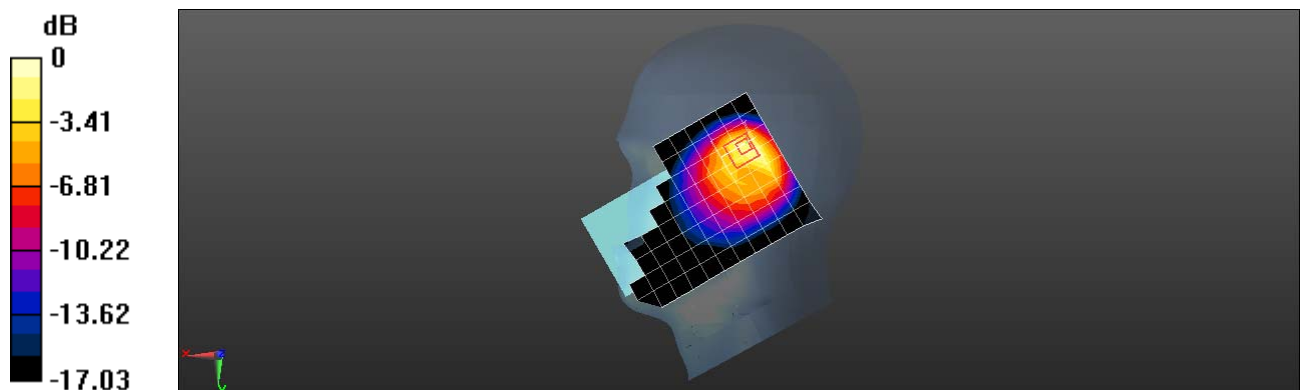
Reference Value = 17.59 V/m; Power Drift = -0.00 dB

Peak SAR (extrapolated) = 2.00 W/kg

**SAR(1 g) = 0.790 W/kg; SAR(10 g) = 0.393 W/kg**

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

Maximum value of SAR (measured) = 1.25 W/kg



0 dB = 1.25 W/kg = 0.96 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

## BAC-L23 LTE Band XII 10M QPSK 1RB 25 offset 23130CH Front side 15mm with Battery 3-Second Antenna

**DUT: BAC-L23; 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;  $\sigma = 0.943$  S/m;  $\epsilon_r = 54.778$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY Configuration:

- ε Probe: EX3DV4 - SN3744; ConvF(9.03, 9.03, 9.03); Calibrated: 2016-7-26;
- ε Sensor-Surface: 1.4mm (Mechanical Surface Detection),  $z = 1.0, 31.0$
- ε Electronics: DAE4 Sn1236; Calibrated: 2016-11-22
- ε Phantom: SAM4; Type: SAM; Serial: TP-1620
- ε 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) = 0.222 W/kg

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

Reference Value = 12.13 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 0.339 W/kg

**SAR(1 g) = 0.210 W/kg; SAR(10 g) = 0.128 W/kg**

Maximum value of SAR (measured) = 0.250 W/kg

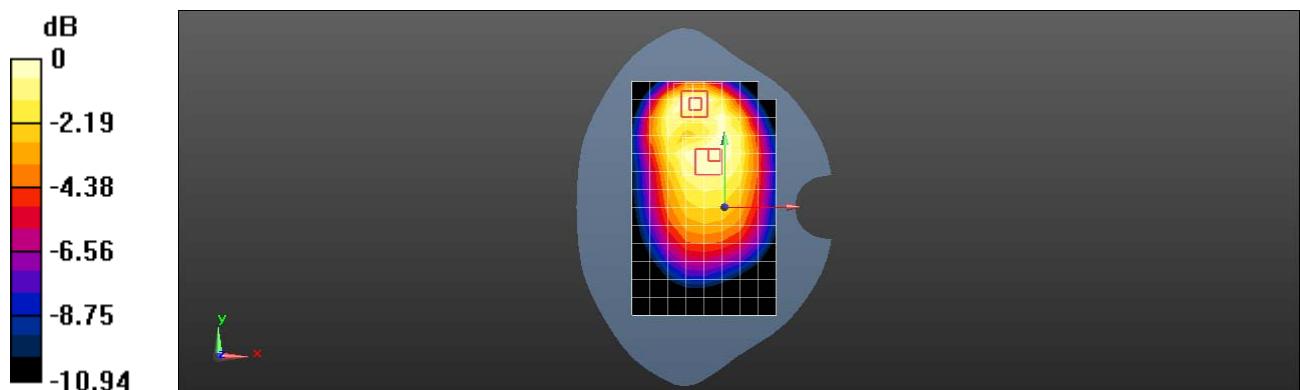
**Configuration/Body/Zoom Scan (6x5x7)/Cube 1:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 12.13 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 0.270 W/kg

**SAR(1 g) = 0.196 W/kg; SAR(10 g) = 0.145 W/kg**

Maximum value of SAR (measured) = 0.219 W/kg



0 dB = 0.219 W/kg = -6.60 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

## **BAC-L23 LTE Band XII 10M QPSK 1RB 25 offset 23130CH Back side 10mm-Second Antenna**

**DUT: BAC-L23; 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;  $\sigma = 0.943$  S/m;  $\epsilon_r = 54.778$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY Configuration:

- ε Probe: EX3DV4 - SN3744; ConvF(9.03, 9.03, 9.03); Calibrated: 2016-7-26;
- ε Sensor-Surface: 1.4mm (Mechanical Surface Detection),  $z = 1.0, 31.0$
- ε Electronics: DAE4 Sn1236; Calibrated: 2016-11-22
- ε Phantom: SAM4; Type: SAM; Serial: TP-1620
- ε 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) = 0.510 W/kg

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

Reference Value = 11.70 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 0.761 W/kg

**SAR(1 g) = 0.417 W/kg; SAR(10 g) = 0.233 W/kg**

Maximum value of SAR (measured) = 0.518 W/kg

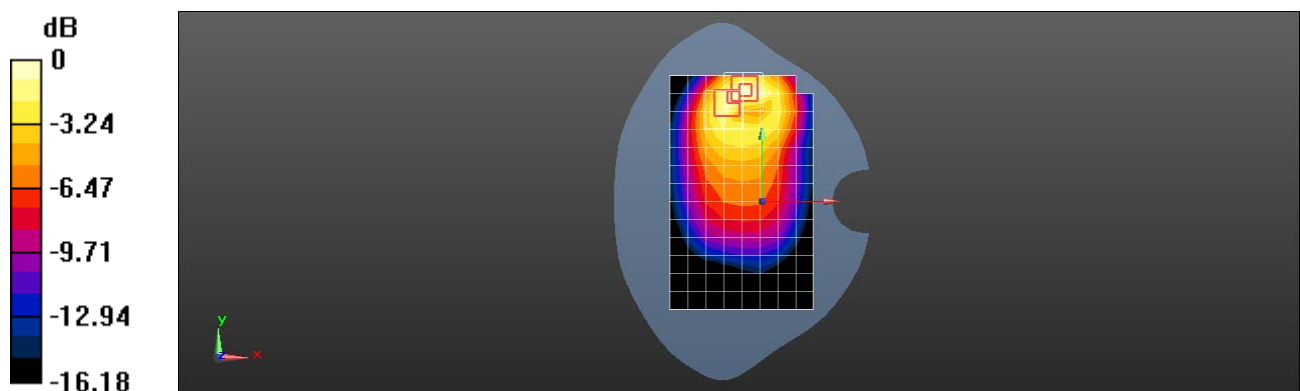
**Configuration/Body/Zoom Scan (5x5x7)/Cube 1:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 11.70 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 0.771 W/kg

**SAR(1 g) = 0.382 W/kg; SAR(10 g) = 0.212 W/kg**

Maximum value of SAR (measured) = 0.516 W/kg



0 dB = 0.516 W/kg = -2.88 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

### BAC-L23 GSM850 251CH Right touch with Battery 2-Main Antenna

**DUT: BAC-L23; 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;  $\sigma = 0.921$  S/m;  $\epsilon_r = 40.223$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Right Section

DASY Configuration:

- ε Probe: ES3DV3 - SN3168; ConvF(6.68, 6.68, 6.68); Calibrated: 2016-9-27;
- ε Sensor-Surface: 3mm (Mechanical Surface Detection),  $z = 2.0, 32.0$
- ε Electronics: DAE4 Sn851; Calibrated: 2016-7-22
- ε Phantom: SAM1; Type: SAM; Serial: TP-1475
- ε DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

**Configuration/Head/Area Scan (8x13x1):** Measurement grid:  $dx=15$ mm,  $dy=15$ mm

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

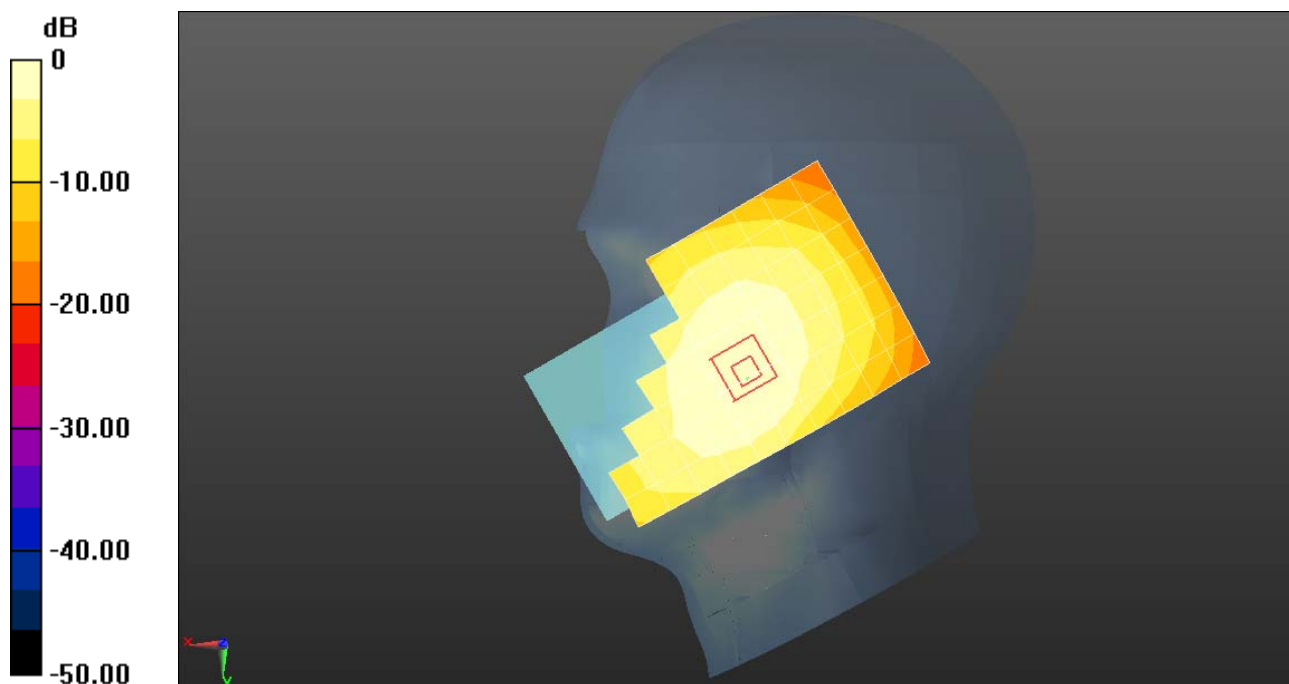
**Configuration/Head/Zoom Scan (6x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 7.429 V/m; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 0.420 W/kg

**SAR(1 g) = 0.326 W/kg; SAR(10 g) = 0.246 W/kg**

Maximum value of SAR (measured) = 0.361 W/kg



0 dB = 0.354 W/kg = -4.51 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

### BAC-L23 GSM850 190CH Back side 15mm with Battery 3-Main Antenna

**DUT: BAC-L23; 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:  $f = 837 \text{ MHz}$ ;  $\sigma = 0.995 \text{ S/m}$ ;  $\epsilon_r = 54.861$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY Configuration:

- ε Probe: ES3DV3 - SN3168; ConvF(6.33, 6.33, 6.33); Calibrated: 2016-9-27;
- ε Sensor-Surface: 3mm (Mechanical Surface Detection),  $z = 2.0, 32.0$
- ε Electronics: DAE4 Sn851; Calibrated: 2016-7-22
- ε Phantom: SAM2; Type: SAM; Serial: TP:1474
- ε DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

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

Maximum value of SAR (measured) = 0.323 W/kg

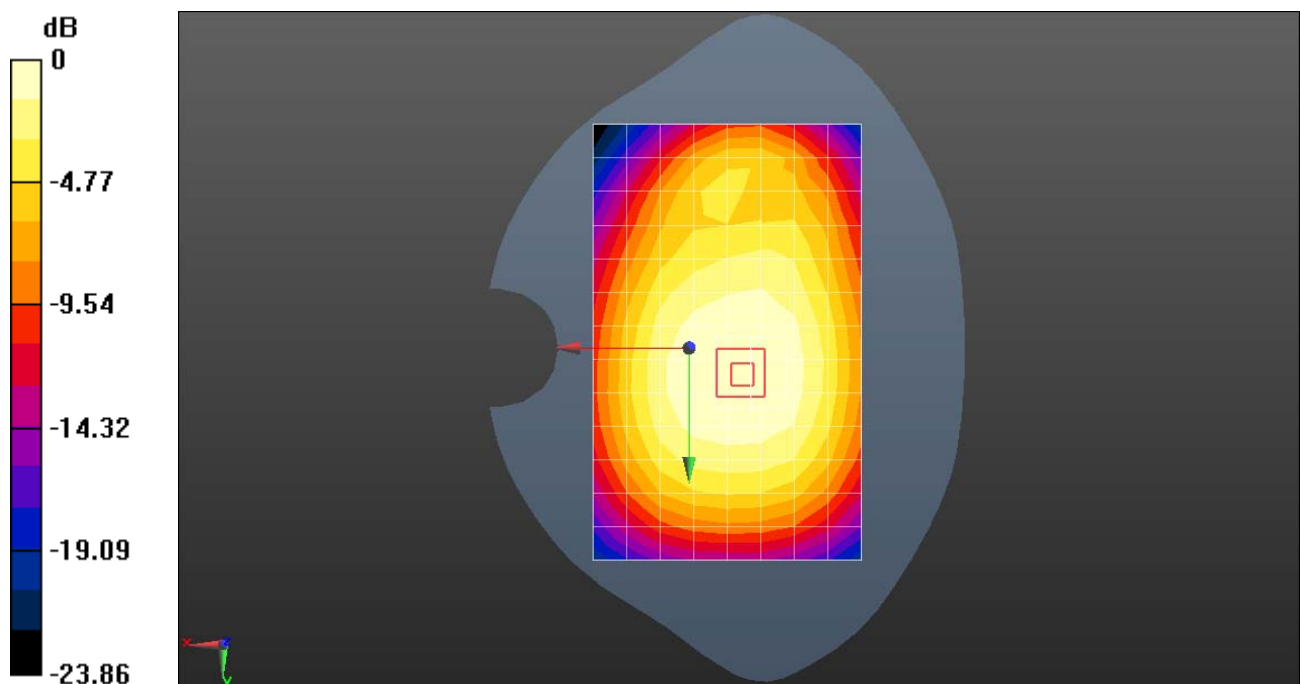
**Configuration/Body/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$

Reference Value = 18.19 V/m; Power Drift = -0.00 dB

Peak SAR (extrapolated) = 0.382 W/kg

**SAR(1 g) = 0.301 W/kg; SAR(10 g) = 0.231 W/kg**

Maximum value of SAR (measured) = 0.331 W/kg



0 dB = 0.323 W/kg = -4.91 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

### BAC-L23 GSM850 GPRS 3TS 190CH Right side 10mm-Main Antenna

**DUT: BAC-L23; Type: Smart Phone; Serial: SAR1**

Communication System: UID 0, HW-GSM\GPRS\EGPRS-3TS (0); Frequency: 836.6 MHz; Duty Cycle: 1:2.77013

Medium parameters used:  $f = 837$  MHz;  $\sigma = 0.995$  S/m;  $\epsilon_r = 54.861$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY Configuration:

- ε Probe: ES3DV3 - SN3168; ConvF(6.33, 6.33, 6.33); Calibrated: 2016-9-27;
- ε Sensor-Surface: 3mm (Mechanical Surface Detection),  $z = 2.0, 32.0$
- ε Electronics: DAE4 Sn851; Calibrated: 2016-7-22
- ε Phantom: SAM2; Type: SAM; Serial: TP:1474
- ε DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

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

Maximum value of SAR (measured) = 0.556 W/kg

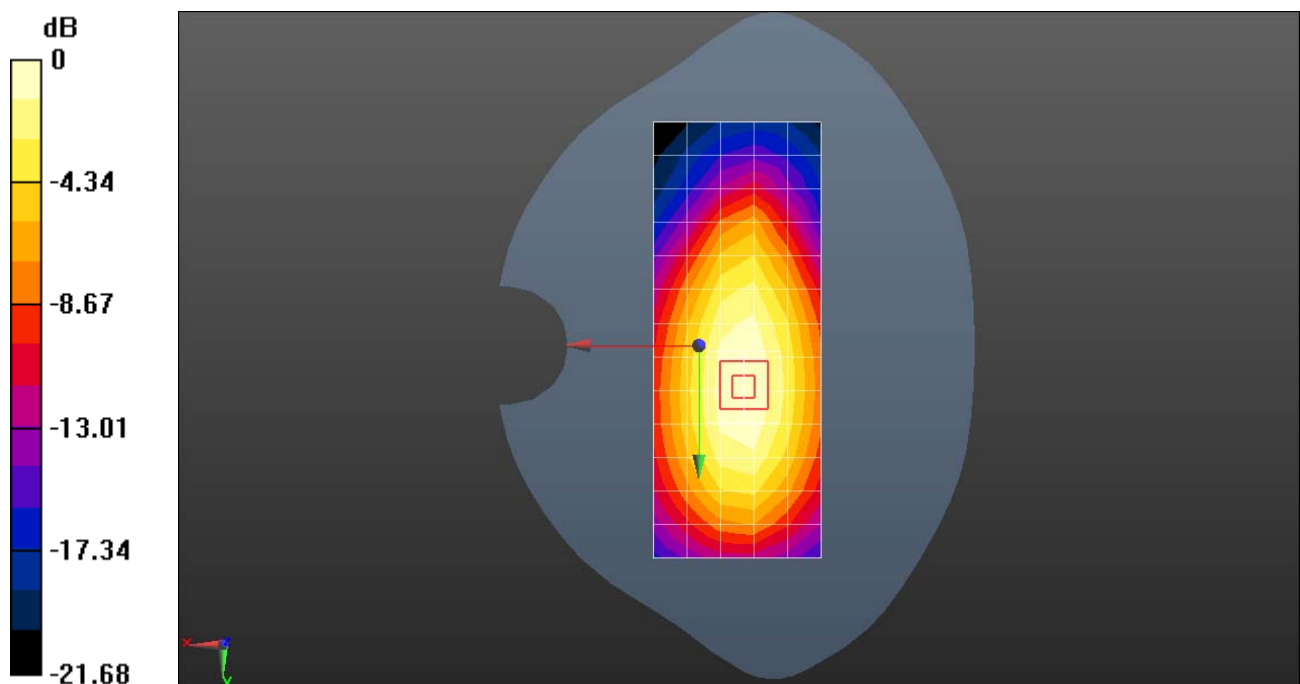
**Configuration/Body/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 23.56 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 0.736 W/kg

**SAR(1 g) = 0.509 W/kg; SAR(10 g) = 0.344 W/kg**

Maximum value of SAR (measured) = 0.588 W/kg



0 dB = 0.556 W/kg = -2.55 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

### BAC-L23 GSM1900 810CH Right touch-Main Antenna

**DUT: BAC-L23; 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;  $\sigma = 1.417$  S/m;  $\epsilon_r = 39.058$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Right Section

DASY Configuration:

- ε Probe: ES3DV3 - SN3168; ConvF(5.33, 5.33, 5.33); Calibrated: 2016-9-27;
- ε Sensor-Surface: 3mm (Mechanical Surface Detection),  $z = 2.0, 32.0$
- ε Electronics: DAE4 Sn851; Calibrated: 2016-7-22
- ε Phantom: SAM1; Type: SAM; Serial: TP-1475
- ε DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

**Configuration/Head/Area Scan (8x13x1):** Measurement grid:  $dx=15$ mm,  $dy=15$ mm

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

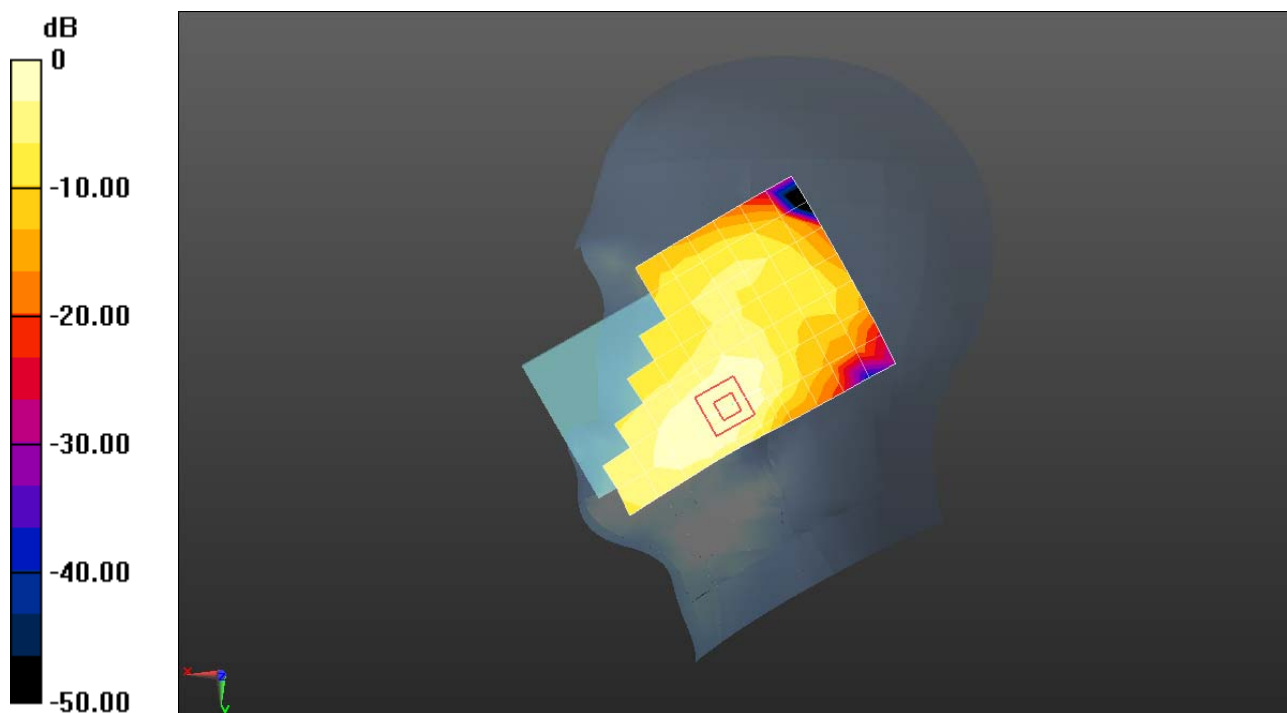
**Configuration/Head/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 3.754 V/m; Power Drift = 0.18 dB

Peak SAR (extrapolated) = 0.185 W/kg

**SAR(1 g) = 0.122 W/kg; SAR(10 g) = 0.076 W/kg**

Maximum value of SAR (measured) = 0.144 W/kg



0 dB = 0.129 W/kg = -8.89 dBW/kg



Test Laboratory: HUAWEI SAR/HAC Lab

### BAC-L23 GSM1900 661CH Front side 15mm-Main Antenna

**DUT: BAC-L23; 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;  $\sigma = 1.567$  S/m;  $\epsilon_r = 52.061$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY Configuration:

- ε Probe: ES3DV3 - SN3168; ConvF(4.99, 4.99, 4.99); Calibrated: 2016-9-27;
- ε Sensor-Surface: 3mm (Mechanical Surface Detection),  $z = 2.0, 32.0$
- ε Electronics: DAE4 Sn851; Calibrated: 2016-7-22
- ε Phantom: SAM2; Type: SAM; Serial: TP:1474
- ε DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

**Configuration/Body/Area Scan (8x13x1):** Measurement grid:  $dx=15$ mm,  $dy=15$ mm

Maximum value of SAR (measured) = 0.266 W/kg

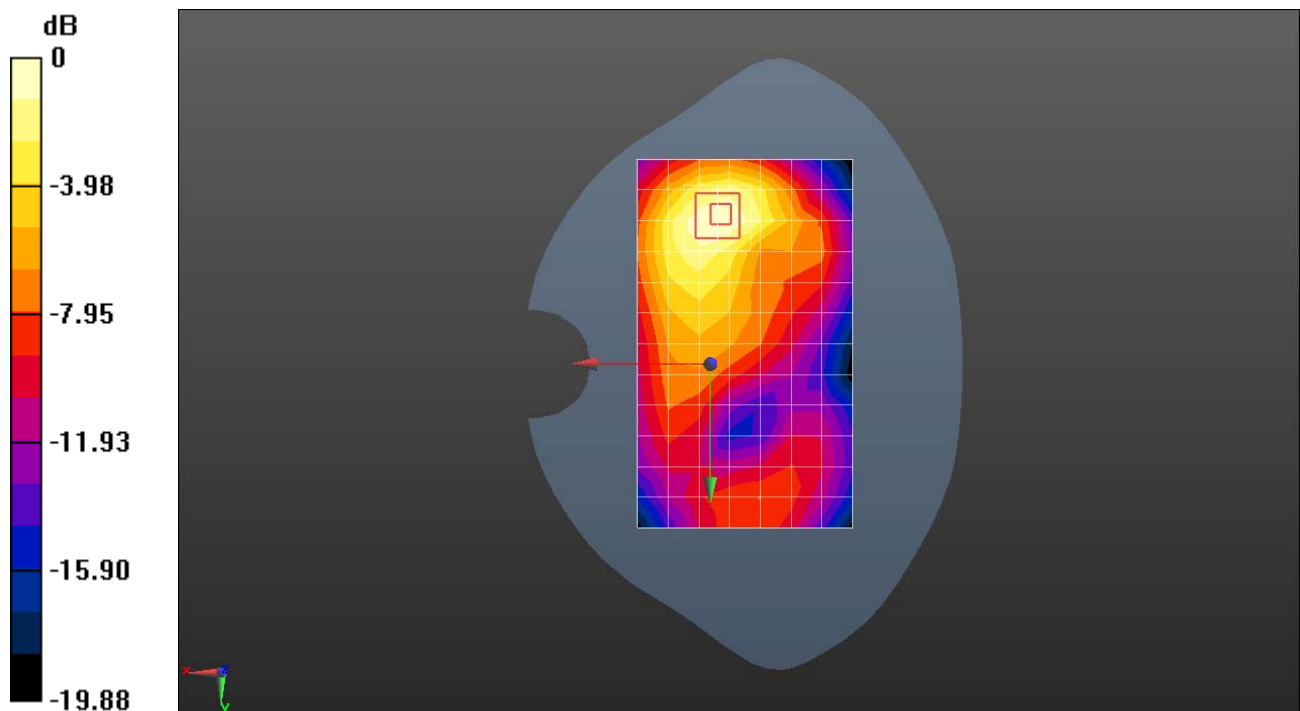
**Configuration/Body/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 5.020 V/m; Power Drift = 0.12 dB

Peak SAR (extrapolated) = 0.383 W/kg

**SAR(1 g) = 0.238 W/kg; SAR(10 g) = 0.141 W/kg**

Maximum value of SAR (measured) = 0.284 W/kg



0 dB = 0.266 W/kg = -5.75 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

### BAC-L23 GSM1900 GPRS 3TS 661CH Bottom side 10mm-Main Antenna

**DUT: BAC-L23; Type: Smart Phone; Serial: SAR1**

Communication System: UID 0, HW-GSM\GPRS\EGPRS-3TS (0); Frequency: 1880 MHz; Duty Cycle: 1:2.77013

Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.553$  S/m;  $\epsilon_r = 52.086$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY Configuration:

- ε Probe: ES3DV3 - SN3168; ConvF(4.99, 4.99, 4.99); Calibrated: 2016-9-27;
- ε Sensor-Surface: 3mm (Mechanical Surface Detection),  $z = 2.0, 32.0$
- ε Electronics: DAE4 Sn851; Calibrated: 2016-7-22
- ε Phantom: SAM2; Type: SAM; Serial: TP:1474
- ε DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

**Configuration/Body/Area Scan (6x9x1):** Measurement grid:  $dx=15$ mm,  $dy=15$ mm

Maximum value of SAR (measured) = 0.509 W/kg

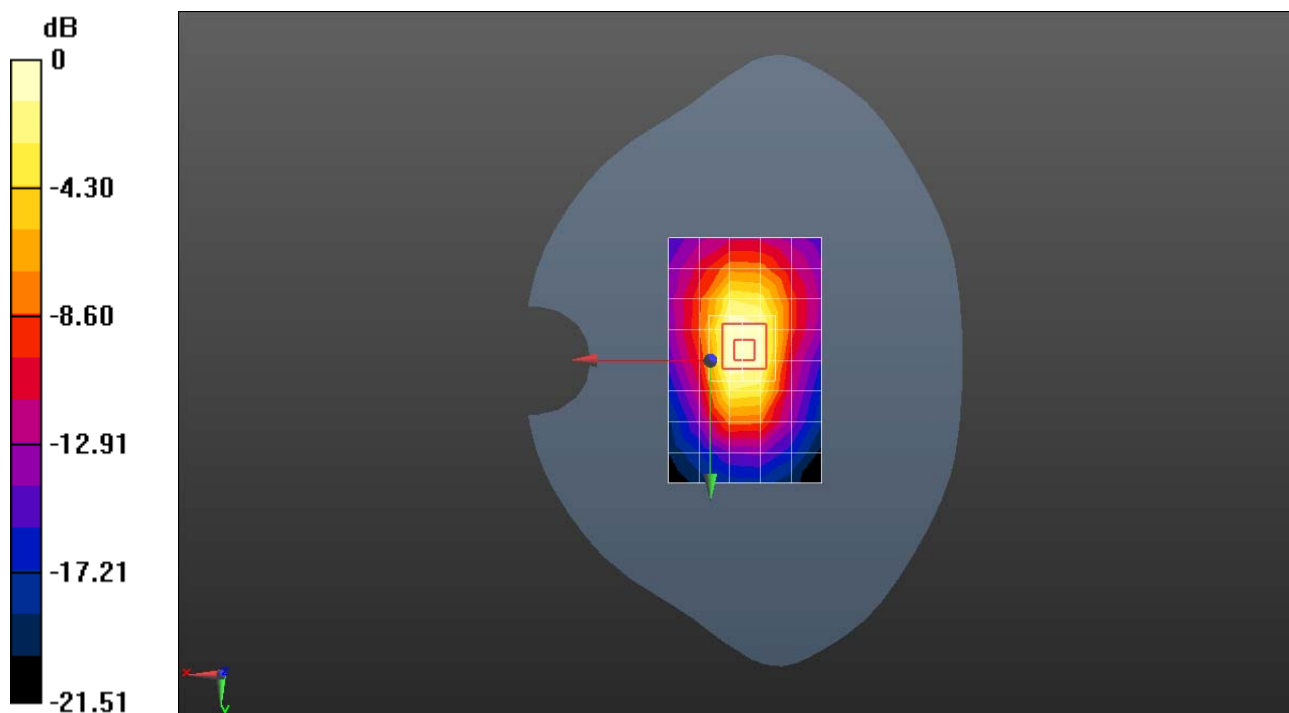
**Configuration/Body/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 22.69 V/m; Power Drift = -0.13 dB

Peak SAR (extrapolated) = 1.06 W/kg

**SAR(1 g) = 0.608 W/kg; SAR(10 g) = 0.320 W/kg**

Maximum value of SAR (measured) = 0.767 W/kg



0 dB = 0.509 W/kg = -2.93 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

**BAC-L23 GSM1900 GPRS 3TS 661CH Bottom side 0mm with Battery3-Main Antenna**

**DUT: BAC-L23; Type: Smart Phone; Serial: SAR1**

Communication System: UID 0, HW-GSM\GPRS\EGPRS-3TS (0); Frequency: 1880 MHz;Duty Cycle: 1:2.77013

Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.553$  S/m;  $\epsilon_r = 52.086$ ;  $\rho = 1000$  kg/m<sup>3</sup>

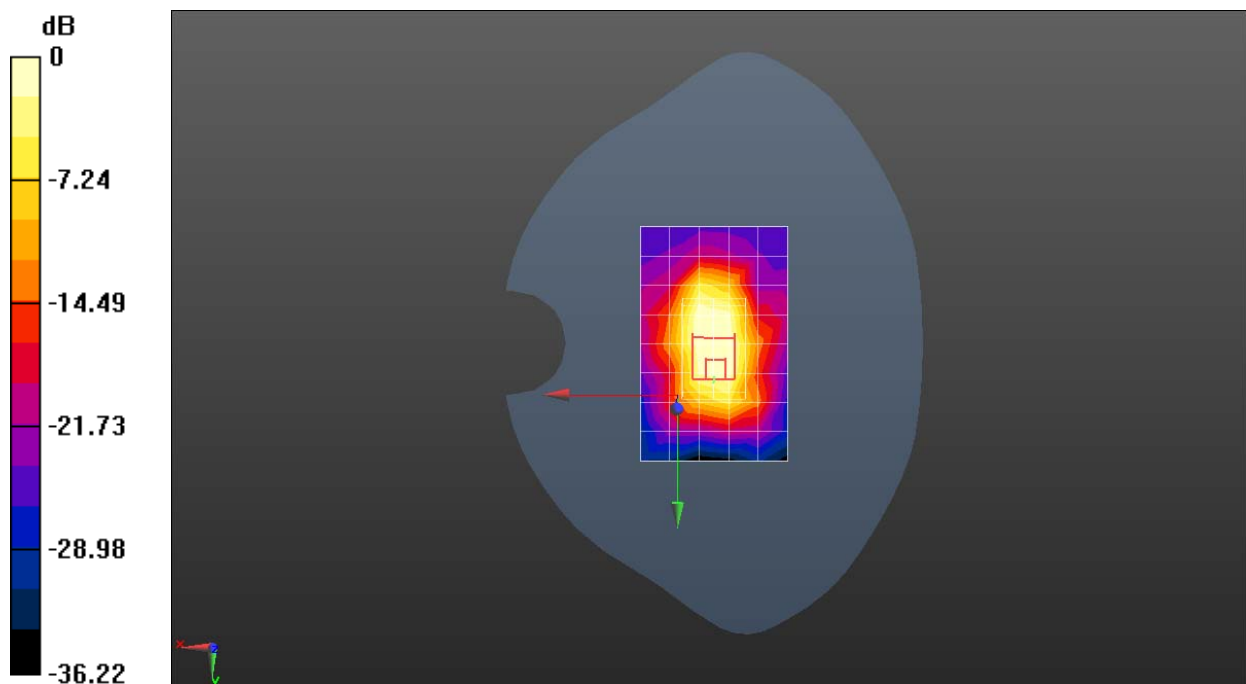
Phantom section: Flat Section

DASY Configuration:

- ε Probe: ES3DV3 - SN3168; ConvF(4.99, 4.99, 4.99); Calibrated: 2016-9-27;
- ε Sensor-Surface: 3mm (Mechanical Surface Detection),  $z = 2.0, 32.0$
- ε Electronics: DAE4 Sn851; Calibrated: 2016-7-22
- ε Phantom: SAM2; Type: SAM; Serial: TP:1474
- ε DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

**Configuration/Body/Area Scan (6x9x1):** Measurement grid:  $dx=15$ mm,  $dy=15$ mm  
Maximum value of SAR (measured) = 1.56 W/kg

**Configuration/Body/Zoom Scan (5x7x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm  
Reference Value = 41.64 V/m; Power Drift = -0.01 dB  
Peak SAR (extrapolated) = 7.66 W/kg  
**SAR(1 g) = 2.59 W/kg; SAR(10 g) = 1.03 W/kg**  
Maximum value of SAR (measured) = 4.57 W/kg



0 dB = 1.56 W/kg = 1.93 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

## **BAC-L23 UMTS Band II 9262CH Right touch-Main Antenna**

**DUT: BAC-L23; Type: Smart Phone; Serial: SAR1**

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;  $\sigma = 1.381$  S/m;  $\epsilon_r = 39.157$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Right Section

DASY Configuration:

- ε Probe: ES3DV3 - SN3168; ConvF(5.33, 5.33, 5.33); Calibrated: 2016-9-27;
- ε Sensor-Surface: 3mm (Mechanical Surface Detection),  $z = 2.0, 32.0$
- ε Electronics: DAE4 Sn851; Calibrated: 2016-7-22
- ε Phantom: SAM1; Type: SAM; Serial: TP-1475
- ε DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

**Configuration/Head/Area Scan (8x13x1):** Measurement grid:  $dx=15$ mm,  $dy=15$ mm

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

Maximum value of SAR (measured) = 0.302 W/kg

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

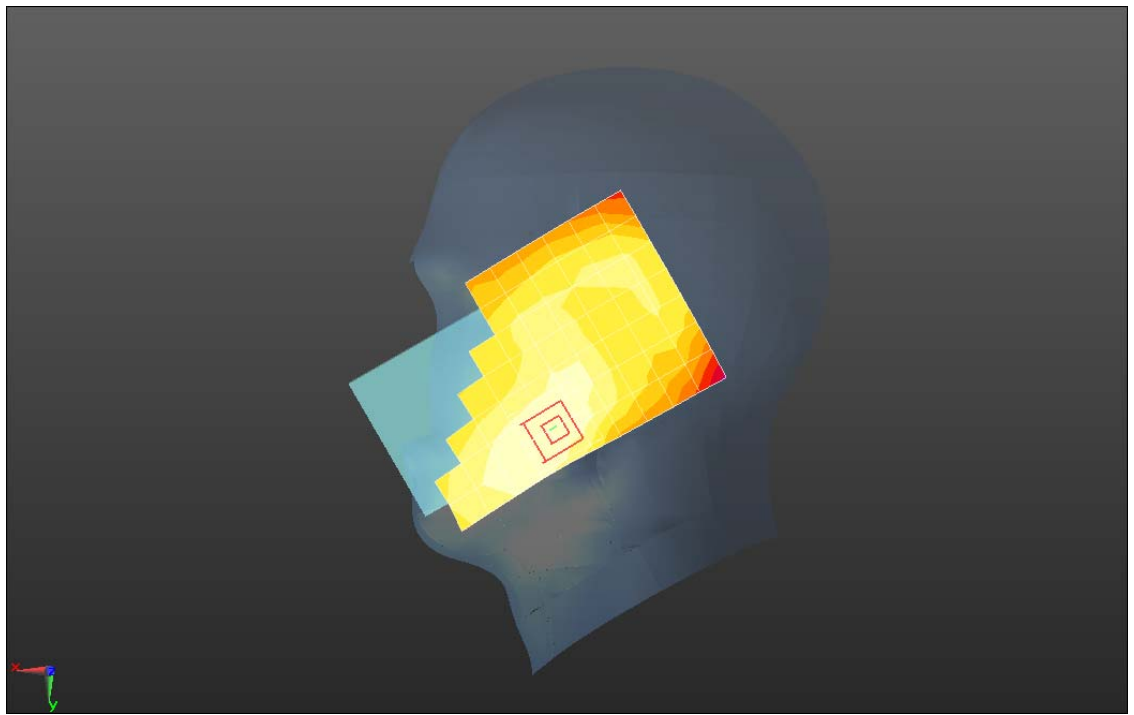
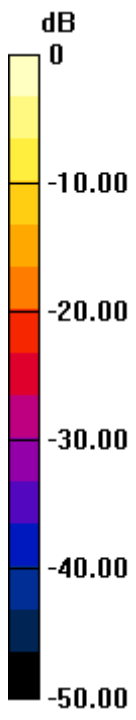
Reference Value = 7.997 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 0.386 W/kg

**SAR(1 g) = 0.264 W/kg; SAR(10 g) = 0.169 W/kg**

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

Maximum value of SAR (measured) = 0.304 W/kg



0 dB = 0.302 W/kg = -5.20 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

### BAC-L23 UMTS Band II 9400CH Front side 15mm with Battery3-Main Antenna

**DUT: BAC-L23; Type: Smart Phone; Serial: SAR1**

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

Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.567$  S/m;  $\epsilon_r = 52.061$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY Configuration:

- ε Probe: ES3DV3 - SN3168; ConvF(4.99, 4.99, 4.99); Calibrated: 2016-9-27;
- ε Sensor-Surface: 3mm (Mechanical Surface Detection),  $z = 2.0, 32.0$
- ε Electronics: DAE4 Sn851; Calibrated: 2016-7-22
- ε Phantom: SAM2; Type: SAM; Serial: TP:1474
- ε 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) = 0.595 W/kg

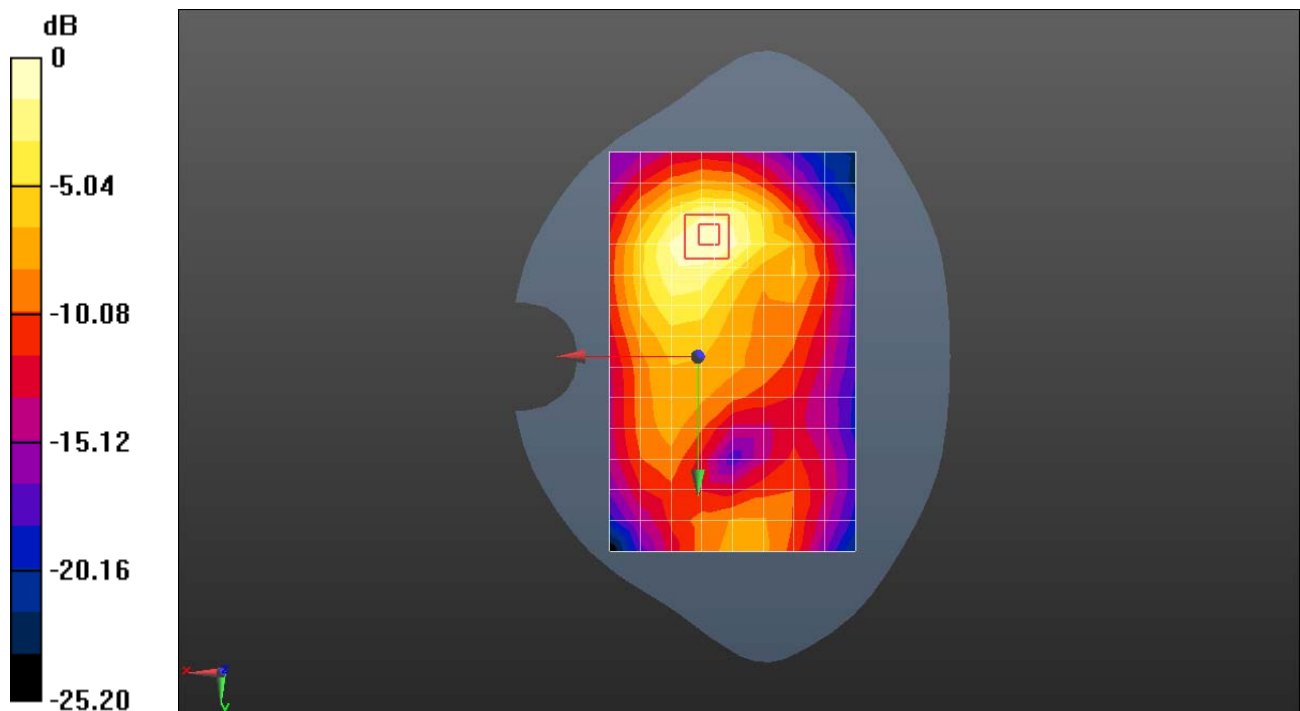
**Configuration/Body/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 8.419 V/m; Power Drift = -0.09 dB

Peak SAR (extrapolated) = 0.842 W/kg

**SAR(1 g) = 0.519 W/kg; SAR(10 g) = 0.306 W/kg**

Maximum value of SAR (measured) = 0.627 W/kg



0 dB = 0.595 W/kg = -2.25 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

### BAC-L23 UMTS Band II 9400CH Bottom side 10mm-Main Antenna

**DUT: BAC-L23; Type: Smart Phone; Serial: SAR1**

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

Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.567$  S/m;  $\epsilon_r = 52.061$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY Configuration:

- ε Probe: ES3DV3 - SN3168; ConvF(4.99, 4.99, 4.99); Calibrated: 2016-9-27;
- ε Sensor-Surface: 3mm (Mechanical Surface Detection),  $z = 2.0, 32.0$
- ε Electronics: DAE4 Sn851; Calibrated: 2016-7-22
- ε Phantom: SAM2; Type: SAM; Serial: TP:1474
- ε DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

**Configuration/Body/Area Scan (6x9x1):** Measurement grid:  $dx=15$ mm,  $dy=15$ mm

Maximum value of SAR (measured) = 0.597 W/kg

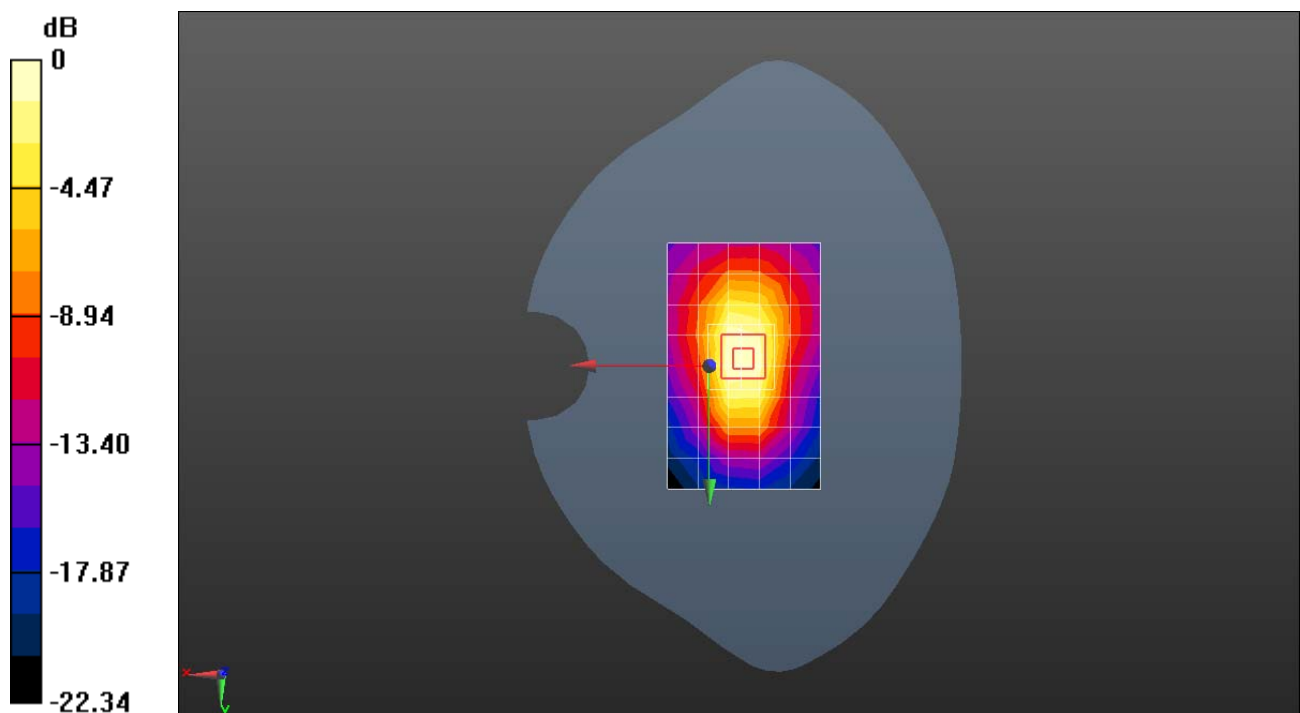
**Configuration/Body/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 24.05 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 1.21 W/kg

**SAR(1 g) = 0.692 W/kg; SAR(10 g) = 0.364 W/kg**

Maximum value of SAR (measured) = 0.870 W/kg



0 dB = 0.597 W/kg = -2.24 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

### BAC-L23 UMTS Band II 9400CH Bottom side 0mm with Battery 3-Main Antenna

**DUT: BAC-L23; Type: Smart Phone; Serial: SAR1**

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

Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.553$  S/m;  $\epsilon_r = 52.086$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY Configuration:

- ε Probe: ES3DV3 - SN3168; ConvF(4.99, 4.99, 4.99); Calibrated: 2016-9-27;
- ε Sensor-Surface: 3mm (Mechanical Surface Detection),  $z = 2.0, 32.0$
- ε Electronics: DAE4 Sn851; Calibrated: 2016-7-22
- ε Phantom: SAM2; Type: SAM; Serial: TP:1474
- ε DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

**Configuration/Body/Area Scan (6x11x1):** Measurement grid:  $dx=15$ mm,  $dy=15$ mm

Maximum value of SAR (measured) = 3.44 W/kg

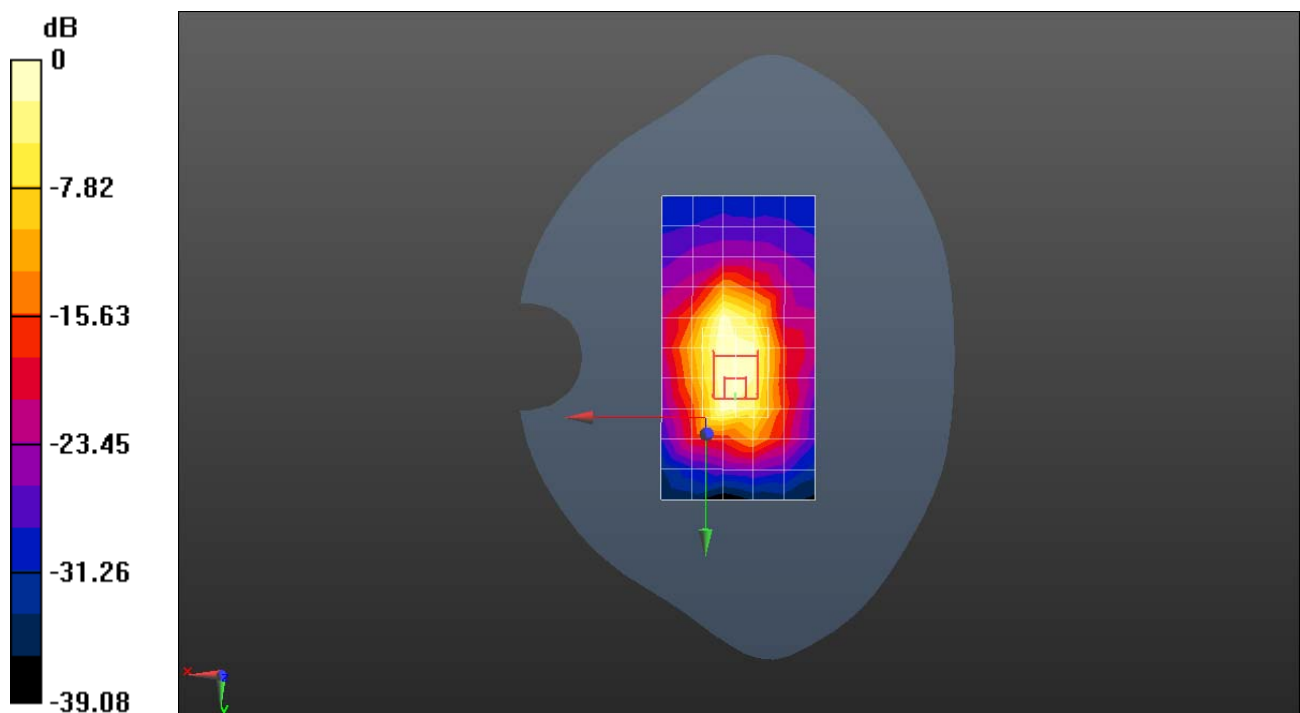
**Configuration/Body/Zoom Scan (5x6x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 54.66 V/m; Power Drift = -0.14 dB

Peak SAR (extrapolated) = 12.7 W/kg

**SAR(1 g) = 4.63 W/kg; SAR(10 g) = 1.92 W/kg**

Maximum value of SAR (measured) = 8.39 W/kg



0 dB = 3.44 W/kg = 5.37 dBW/kg



Test Laboratory: HUAWEI SAR/HAC Lab

## BAC-L23 UMTS Band IV 1513CH Right touch with Battery 3-Main Antenna

**DUT: BAC-L23; Type: Smart Phone; Serial: SAR1**

Communication System: UID 0, HW-UMTS-FDD(WCDMA) (0); Frequency: 1752.6 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 1753$  MHz;  $\sigma = 1.361$  S/m;  $\epsilon_r = 39.334$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Right Section

DASY Configuration:

- ε Probe: ES3DV3 - SN3168; ConvF(5.58, 5.58, 5.58); Calibrated: 2016-9-27;
- ε Sensor-Surface: 3mm (Mechanical Surface Detection),  $z = 2.0, 32.0$
- ε Electronics: DAE4 Sn851; Calibrated: 2016-7-22
- ε Phantom: SAM1; Type: SAM; Serial: TP-1475
- ε DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

**Configuration/Head/Area Scan (8x13x1):** Measurement grid:  $dx=15$ mm,  $dy=15$ mm

Maximum value of SAR (measured) = 0.193 W/kg

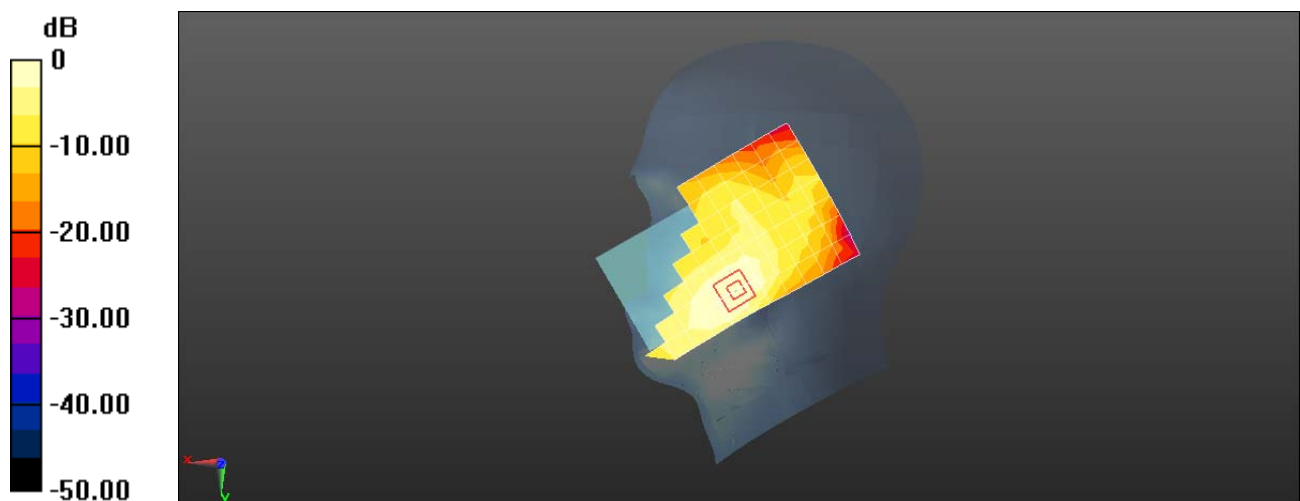
**Configuration/Head/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 4.600 V/m; Power Drift = 0.11 dB

Peak SAR (extrapolated) = 0.260 W/kg

**SAR(1 g) = 0.176 W/kg; SAR(10 g) = 0.113 W/kg**

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



0 dB = 0.193 W/kg = -7.14 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

## BAC-L23 UMTS Band IV 1413CH Front side 15mm-Main Antenna

**DUT: BAC-L23; Type: Smart Phone; Serial: SAR1**

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

Medium parameters used:  $f = 1733$  MHz;  $\sigma = 1.487$  S/m;  $\epsilon_r = 52.87$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY Configuration:

- ε Probe: ES3DV3 - SN3168; ConvF(5.22, 5.22, 5.22); Calibrated: 2016-9-27;
- ε Sensor-Surface: 3mm (Mechanical Surface Detection),  $z = 2.0, 32.0$
- ε Electronics: DAE4 Sn851; Calibrated: 2016-7-22
- ε Phantom: SAM2; Type: SAM; Serial: TP:1474
- ε 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) = 0.451 W/kg

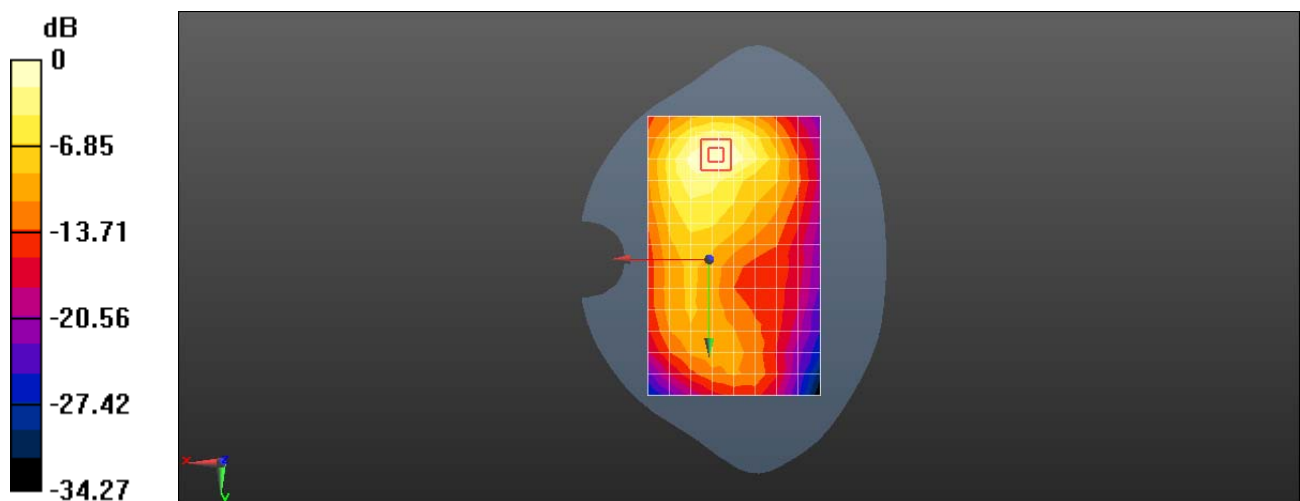
**Configuration/Body/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 4.390 V/m; Power Drift = 0.12 dB

Peak SAR (extrapolated) = 0.599 W/kg

**SAR(1 g) = 0.379 W/kg; SAR(10 g) = 0.225 W/kg**

Maximum value of SAR (measured) = 0.457 W/kg



0 dB = 0.451 W/kg = -3.46 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

### BAC-L23 UMTS Band IV 1513CH Bottom side 10mm-Main Antenna

**DUT: BAC-L23; Type: Smart Phone; Serial: SAR1**

Communication System: UID 0, HW-UMTS-FDD(WCDMA) (0); Frequency: 1752.6 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 1753$  MHz;  $\sigma = 1.492$  S/m;  $\epsilon_r = 52.887$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY Configuration:

- ε Probe: ES3DV3 - SN3168; ConvF(5.22, 5.22, 5.22); Calibrated: 2016-9-27;
- ε Sensor-Surface: 3mm (Mechanical Surface Detection),  $z = 2.0, 32.0$
- ε Electronics: DAE4 Sn851; Calibrated: 2016-7-22
- ε Phantom: SAM2; Type: SAM; Serial: TP:1474
- ε DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

**Configuration/Body/Area Scan (6x9x1):** Measurement grid:  $dx=15$ mm,  $dy=15$ mm

Maximum value of SAR (measured) = 0.780 W/kg

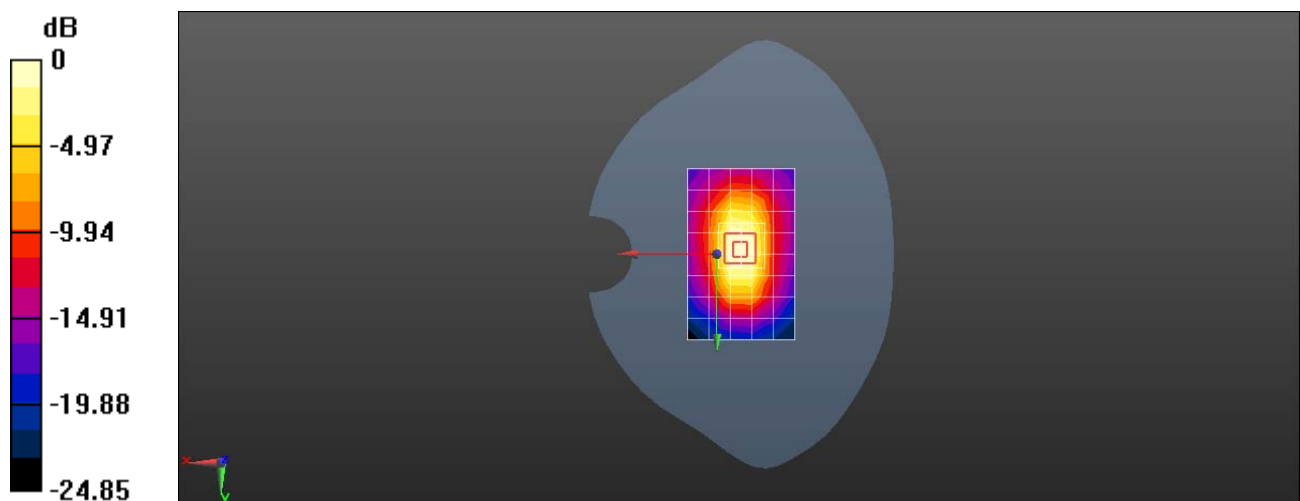
**Configuration/Body/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 28.78 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 1.62 W/kg

**SAR(1 g) = 0.934 W/kg; SAR(10 g) = 0.495 W/kg**

Maximum value of SAR (measured) = 1.16 W/kg



0 dB = 0.780 W/kg = -1.08 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

## BAC-L23 UMTS Band IV 1312CH Bottom side 0mm with Battery 3-Main Antenna

**DUT: BAC-L23; Type: Smart Phone; Serial: SAR1**

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;  $\sigma = 1.474$  S/m;  $\epsilon_r = 52.908$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY Configuration:

- ε Probe: ES3DV3 - SN3168; ConvF(5.22, 5.22, 5.22); Calibrated: 2016-9-27;
- ε Sensor-Surface: 3mm (Mechanical Surface Detection),  $z = 2.0, 32.0$
- ε Electronics: DAE4 Sn851; Calibrated: 2016-7-22
- ε Phantom: SAM2; Type: SAM; Serial: TP:1474
- ε DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

**Configuration/Body/Area Scan (6x9x1):** Measurement grid:  $dx=15$ mm,  $dy=15$ mm

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

Maximum value of SAR (measured) = 4.19 W/kg

**Configuration/Body/Zoom Scan (5x7x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

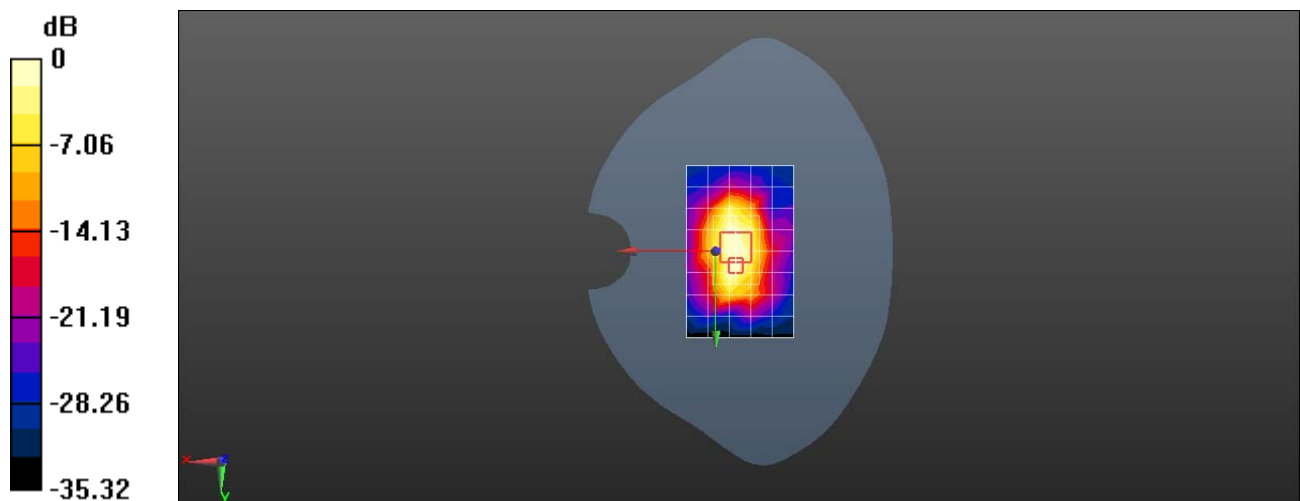
Reference Value = 56.84 V/m; Power Drift = -0.19 dB

Peak SAR (extrapolated) = 13.2 W/kg

**SAR(1 g) = 4.53 W/kg; SAR(10 g) = 1.97 W/kg**

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

Maximum value of SAR (measured) = 7.87 W/kg



0 dB = 4.19 W/kg = 6.22 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

## **BAC-L23 UMTS Band V 4182CH Right touch with Battery 3-Main Antenna**

**DUT: BAC-L23; Type: Smart Phone; Serial: SAR1**

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;  $\sigma = 0.916$  S/m;  $\epsilon_r = 40.276$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Right Section

DASY Configuration:

- ε Probe: ES3DV3 - SN3168; ConvF(6.68, 6.68, 6.68); Calibrated: 2016-9-27;
- ε Sensor-Surface: 3mm (Mechanical Surface Detection),  $z = 2.0, 32.0$
- ε Electronics: DAE4 Sn851; Calibrated: 2016-7-22
- ε Phantom: SAM1; Type: SAM; Serial: TP-1475
- ε DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

**Configuration/Head/Area Scan (8x13x1):** Measurement grid: dx=15mm, dy=15mm

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

Maximum value of SAR (measured) = 0.379 W/kg

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

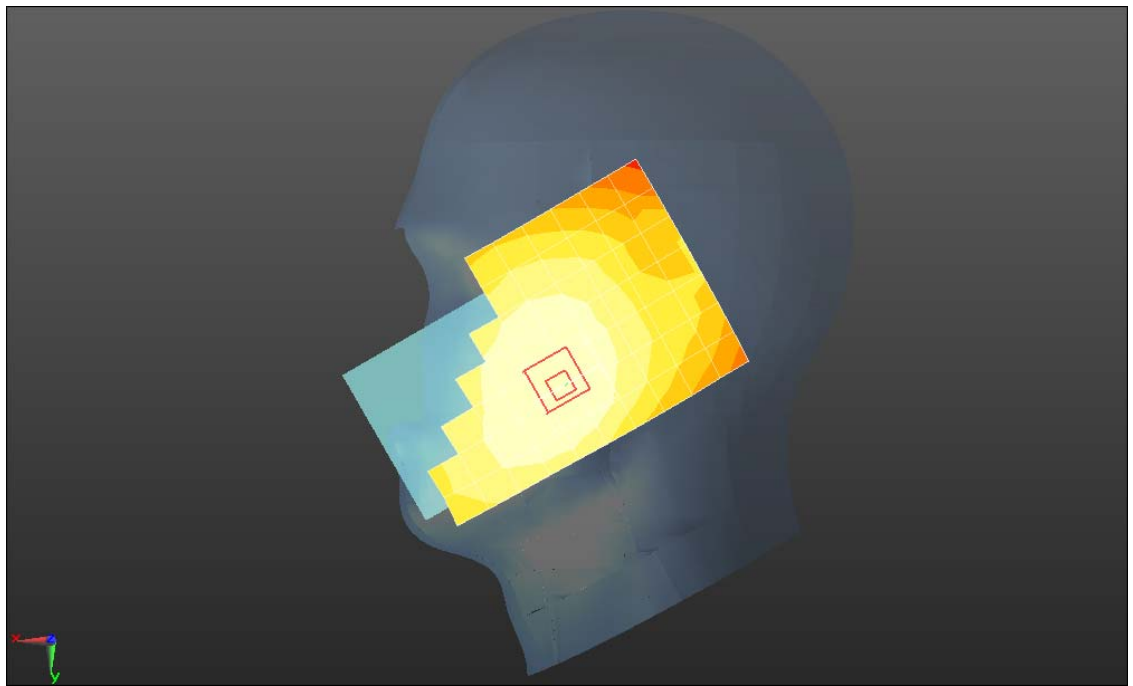
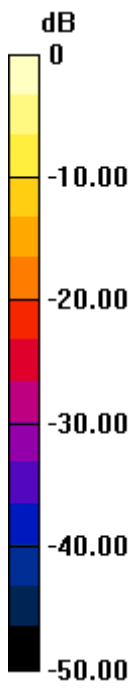
Reference Value = 7.194 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 0.462 W/kg

**SAR(1 g) = 0.362 W/kg; SAR(10 g) = 0.275 W/kg**

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

Maximum value of SAR (measured) = 0.399 W/kg



0 dB = 0.379 W/kg = -4.21 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

## **BAC-L23 UMTS Band V 4182CH Right side 15mm with Battery 3-Main Antenna**

**DUT: BAC-L23; Type: Smart Phone; Serial: SAR1**

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;  $\sigma = 0.995$  S/m;  $\epsilon_r = 54.864$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY Configuration:

- ε Probe: ES3DV3 - SN3168; ConvF(6.33, 6.33, 6.33); Calibrated: 2016-9-27;
- ε Sensor-Surface: 3mm (Mechanical Surface Detection),  $z = 2.0, 32.0$
- ε Electronics: DAE4 Sn851; Calibrated: 2016-7-22
- ε Phantom: SAM2; Type: SAM; Serial: TP:1474
- ε DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

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

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

Maximum value of SAR (measured) = 0.336 W/kg

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

Reference Value = 18.93 V/m; Power Drift = -0.06 dB

Peak SAR (extrapolated) = 0.379 W/kg

**SAR(1 g) = 0.300 W/kg; SAR(10 g) = 0.231 W/kg**

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

Maximum value of SAR (measured) = 0.329 W/kg

**Configuration/Body/Zoom Scan (5x5x7)/Cube 1:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

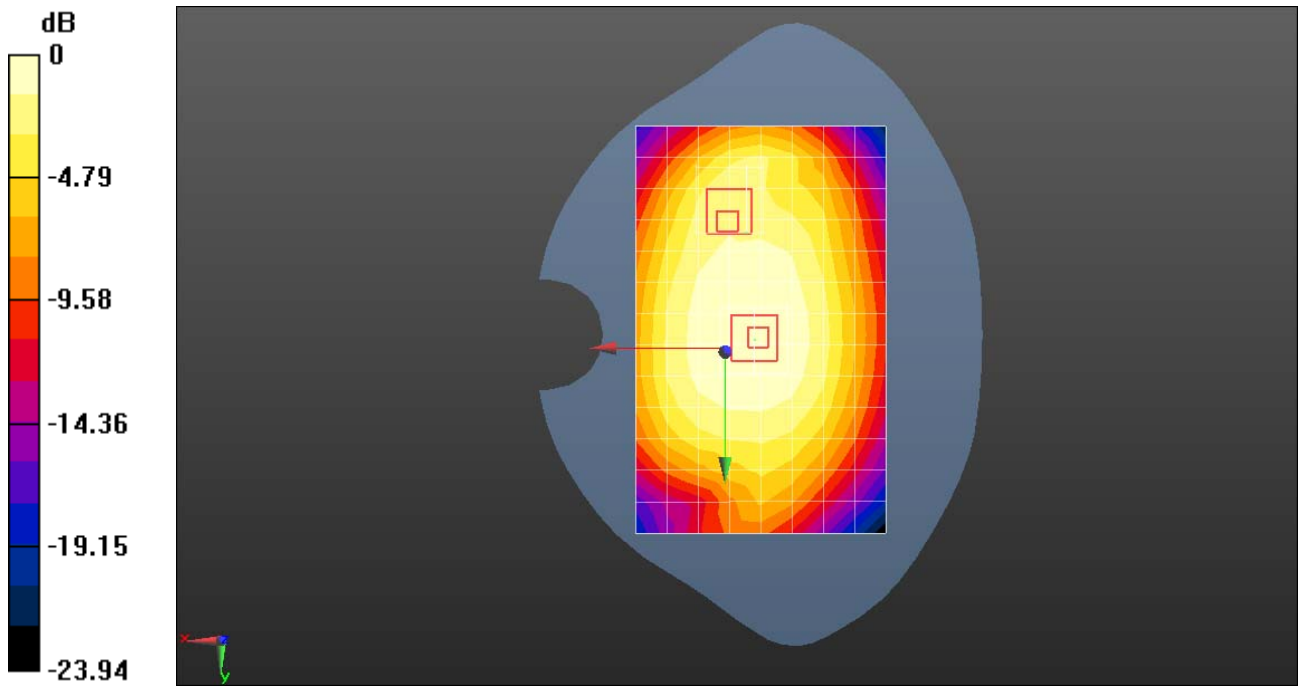
Reference Value = 18.93 V/m; Power Drift = -0.06 dB

Peak SAR (extrapolated) = 0.279 W/kg

**SAR(1 g) = 0.186 W/kg; SAR(10 g) = 0.122 W/kg**

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

Maximum value of SAR (measured) = 0.226 W/kg



0 dB = 0.336 W/kg = -4.74 dBW/kg



Test Laboratory: HUAWEI SAR/HAC Lab

**BAC-L23 UMTS Band V 4182CH Right side 10mm with Battery 3-Main Antenna**

**DUT: BAC-L23; Type: Smart Phone; Serial: SAR1**

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;  $\sigma = 0.995$  S/m;  $\epsilon_r = 54.864$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY Configuration:

- ε Probe: ES3DV3 - SN3168; ConvF(6.33, 6.33, 6.33); Calibrated: 2016-9-27;
- ε Sensor-Surface: 3mm (Mechanical Surface Detection),  $z = 2.0, 32.0$
- ε Electronics: DAE4 Sn851; Calibrated: 2016-7-22
- ε Phantom: SAM2; Type: SAM; Serial: TP:1474
- ε 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) = 0.600 W/kg

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

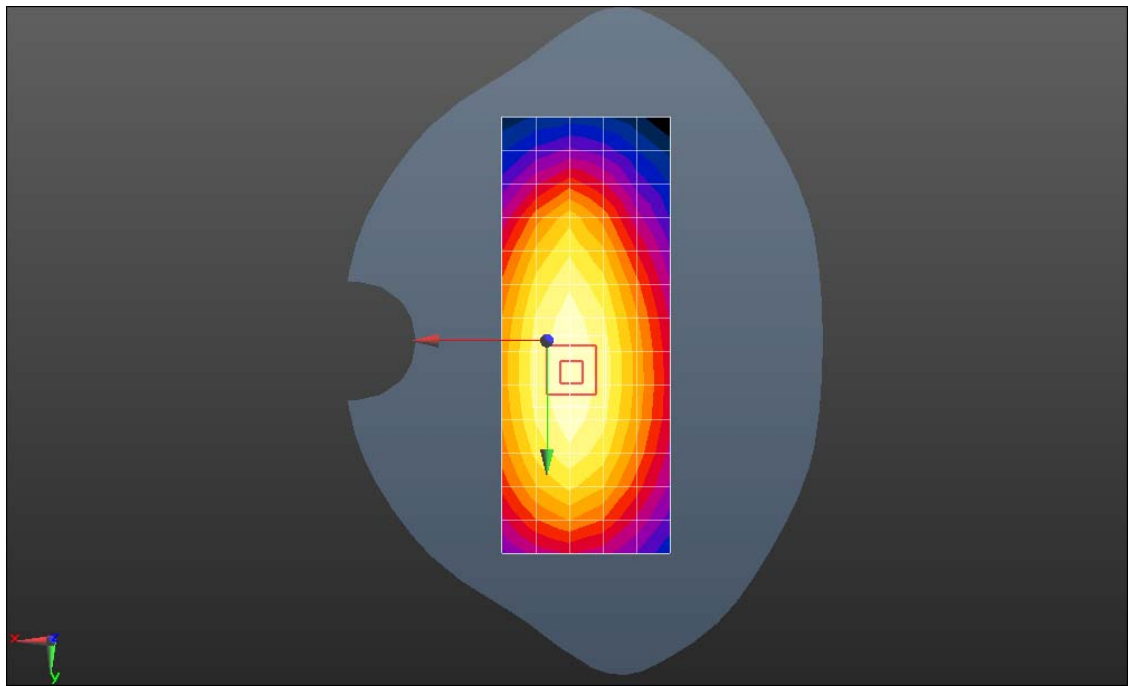
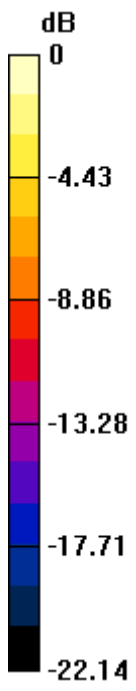
Reference Value = 23.67 V/m; Power Drift = -0.17 dB

Peak SAR (extrapolated) = 0.748 W/kg

**SAR(1 g) = 0.518 W/kg; SAR(10 g) = 0.352 W/kg**

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

Maximum value of SAR (measured) = 0.598 W/kg



0 dB = 0.600 W/kg = -2.22 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

## BAC-L23 LTE Band II 20M QPSK 1RB 50 offset 18700CH Right touch-Main Antenna

**DUT: BAC-L23; Type: Smart Phone; Serial: SAR2**

Communication System: UID 0, LTE-FDD (SC-FDMA, 20MHz, QPSK/16-QAM) (0); Frequency: 1860 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 1860$  MHz;  $\sigma = 1.389$  S/m;  $\epsilon_r = 39.257$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Right Section

DASY Configuration:

- ε Probe: EX3DV4 - SN3744; ConvF(7.74, 7.74, 7.74); Calibrated: 2016-7-26;
- ε Sensor-Surface: 1.4mm (Mechanical Surface Detection),  $z = 1.0, 31.0$
- ε Electronics: DAE4 Sn1236; Calibrated: 2016-11-22
- ε Phantom: SAM3; Type: SAM; Serial: TP-1597
- ε 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) = 0.297 W/kg

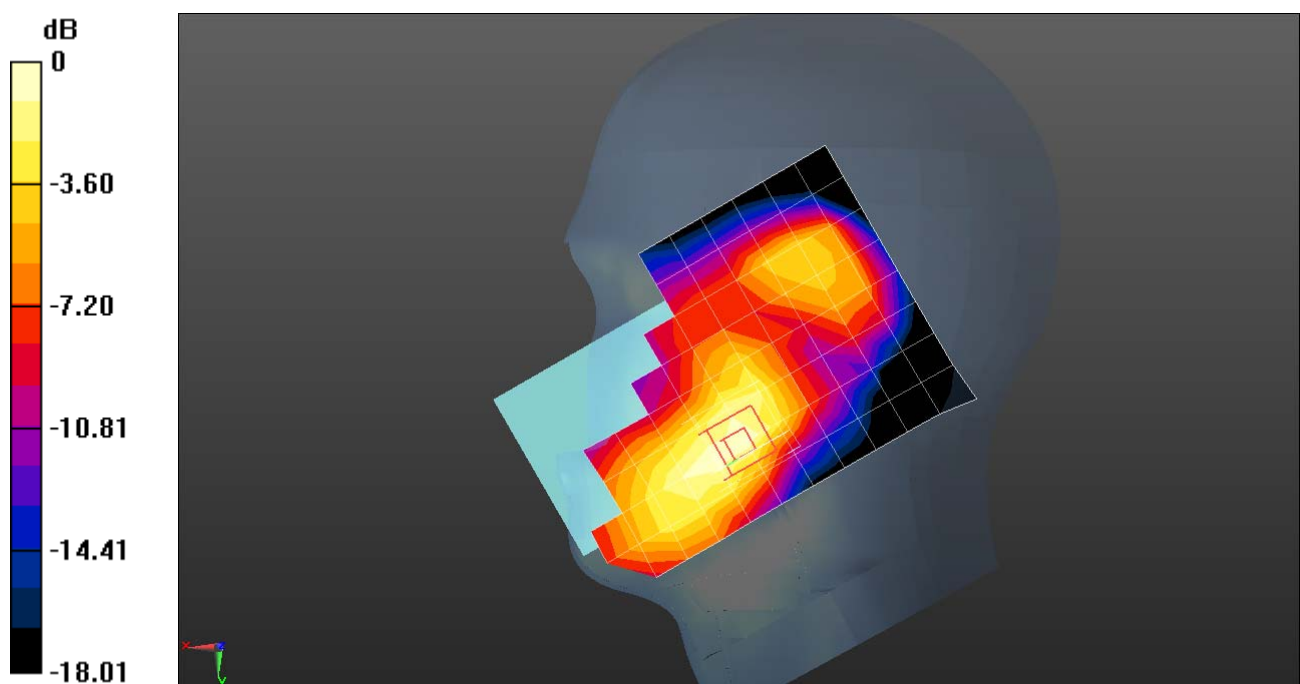
**Configuration/Head/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 7.888 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 0.358 W/kg

**SAR(1 g) = 0.224 W/kg; SAR(10 g) = 0.140 W/kg**

Maximum value of SAR (measured) = 0.298 W/kg



0 dB = 0.298 W/kg = -5.26 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

### **BAC-L23 LTE Band II 20M QPSK 1RB 50 offset 19100CH Front side 15mm-Main Antenna**

**DUT: BAC-L23; Type: Smart Phone; Serial: SAR1**

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;  $\sigma = 1.58$  S/m;  $\epsilon_r = 52.028$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY Configuration:

- ε Probe: ES3DV3 - SN3168; ConvF(4.99, 4.99, 4.99); Calibrated: 2016-9-27;
- ε Sensor-Surface: 3mm (Mechanical Surface Detection),  $z = 2.0, 32.0$
- ε Electronics: DAE4 Sn851; Calibrated: 2016-7-22
- ε Phantom: SAM2; Type: SAM; Serial: TP:1474
- ε DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

**Configuration/Body/Area Scan (8x13x1):** Measurement grid:  $dx=15$ mm,  $dy=15$ mm

Maximum value of SAR (measured) = 0.552 W/kg

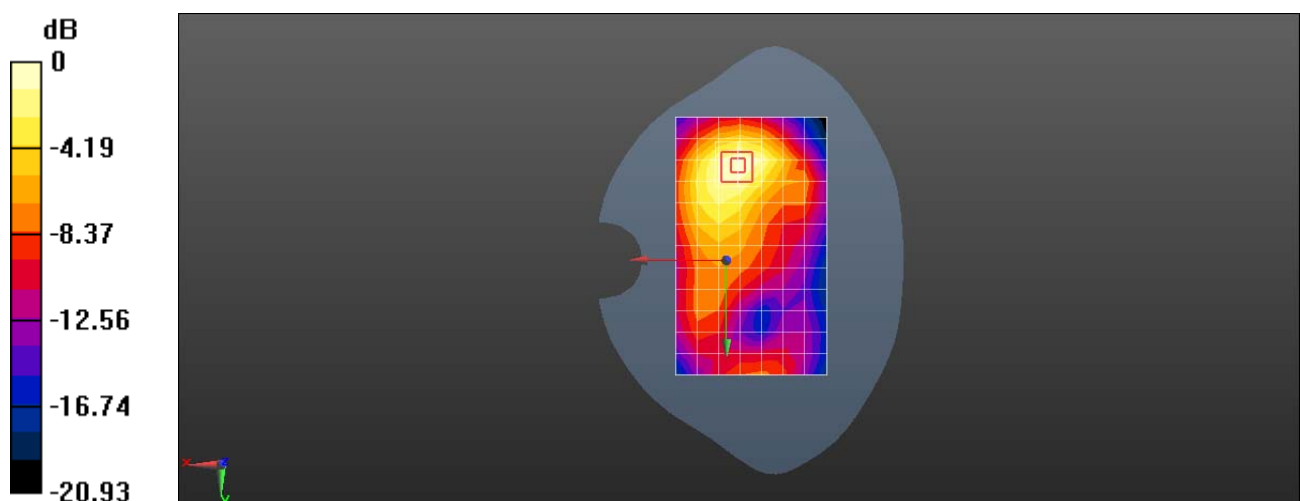
**Configuration/Body/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 7.744 V/m; Power Drift = -0.13 dB

Peak SAR (extrapolated) = 0.761 W/kg

**SAR(1 g) = 0.473 W/kg; SAR(10 g) = 0.281 W/kg**

Maximum value of SAR (measured) = 0.573 W/kg



0 dB = 0.552 W/kg = -2.58 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

## BAC-L23 LTE Band II 20M QPSK 1RB 50 offset 19100CH Bottom side 10mm-Main Antenna

**DUT: BAC-L23; Type: Smart Phone; Serial: SAR1**

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;  $\sigma = 1.58$  S/m;  $\epsilon_r = 52.028$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY Configuration:

- ε Probe: ES3DV3 - SN3168; ConvF(4.99, 4.99, 4.99); Calibrated: 2016-9-27;
- ε Sensor-Surface: 3mm (Mechanical Surface Detection),  $z = 2.0, 32.0$
- ε Electronics: DAE4 Sn851; Calibrated: 2016-7-22
- ε Phantom: SAM2; Type: SAM; Serial: TP:1474
- ε DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

**Configuration/Body/Area Scan (6x9x1):** Measurement grid:  $dx=15$ mm,  $dy=15$ mm  
Maximum value of SAR (measured) = 0.832 W/kg

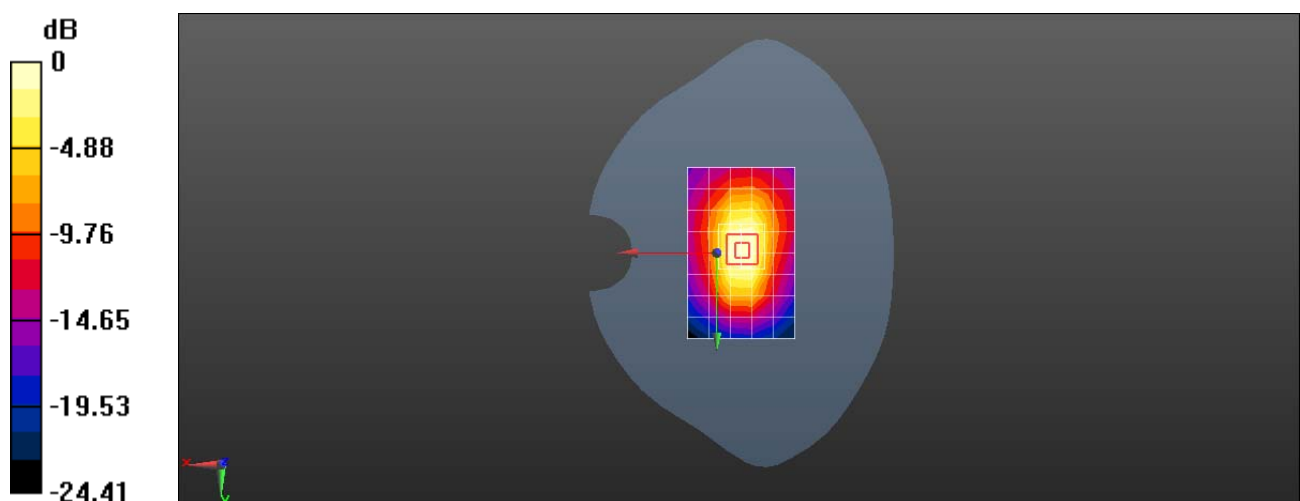
**Configuration/Body/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 28.12 V/m; Power Drift = 0.06 dB

Peak SAR (extrapolated) = 1.57 W/kg

**SAR(1 g) = 0.929 W/kg; SAR(10 g) = 0.495 W/kg**

Maximum value of SAR (measured) = 1.15 W/kg



0 dB = 0.832 W/kg = -0.80 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

## BAC-L23 LTE Band II 20M QPSK 1RB 50 offset 18700CH Bottom side 0mm-Main Antenna

**DUT: BAC-L23; Type: Smart Phone; Serial: SAR1**

Communication System: UID 0, LTE-FDD (SC-FDMA, 20MHz, QPSK/16-QAM) (0); Frequency: 1860 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 1860$  MHz;  $\sigma = 1.552$  S/m;  $\epsilon_r = 52.102$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY Configuration:

- ε Probe: ES3DV3 - SN3168; ConvF(4.99, 4.99, 4.99); Calibrated: 2016-9-27;
- ε Sensor-Surface: 3mm (Mechanical Surface Detection),  $z = 2.0, 32.0$
- ε Electronics: DAE4 Sn851; Calibrated: 2016-7-22
- ε Phantom: SAM2; Type: SAM; Serial: TP:1474
- ε DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

**Configuration/Body/Area Scan (6x9x1):** Measurement grid:  $dx=15$ mm,  $dy=15$ mm  
Maximum value of SAR (measured) = 3.98 W/kg

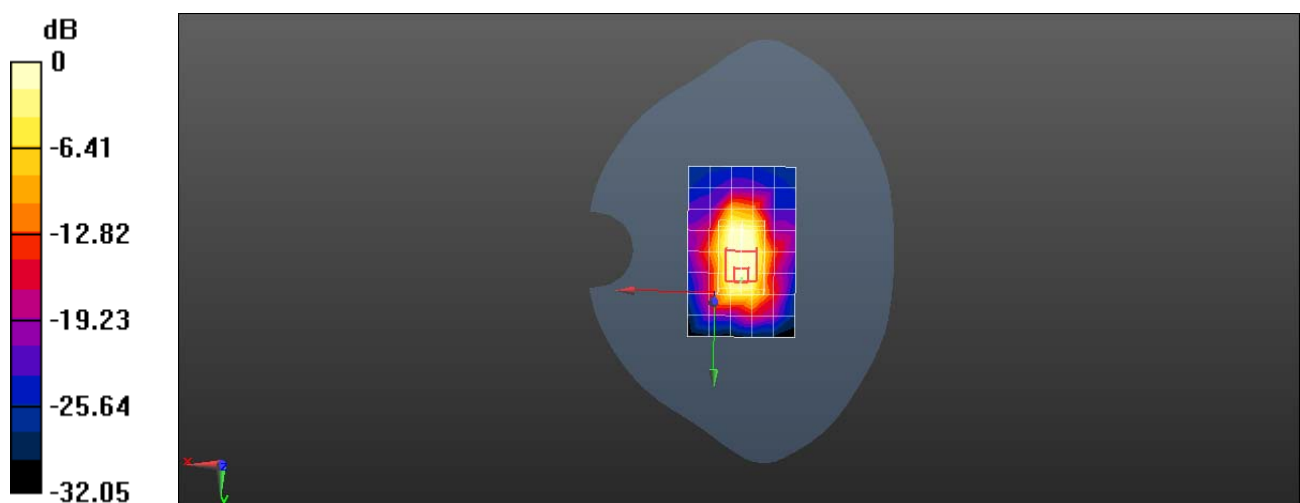
**Configuration/Body/Zoom Scan (5x7x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 65.45 V/m; Power Drift = -0.06 dB

Peak SAR (extrapolated) = 17.2 W/kg

**SAR(1 g) = 6.23 W/kg; SAR(10 g) = 2.58 W/kg**

Maximum value of SAR (measured) = 11.1 W/kg



0 dB = 3.98 W/kg = 6.00 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

## BAC-L23 LTE Band IV 20M QPSK 1RB 50 offset 20300CH Right touch-Main Antenna

**DUT: BAC-L23; Type: Smart Phone; Serial: SAR1**

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;  $\sigma = 1.349$  S/m;  $\epsilon_r = 39.521$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Right Section

DASY Configuration:

- ε Probe: ES3DV3 - SN3168; ConvF(5.58, 5.58, 5.58); Calibrated: 2016-9-27;
- ε Sensor-Surface: 3mm (Mechanical Surface Detection),  $z = 2.0, 32.0$
- ε Electronics: DAE4 Sn851; Calibrated: 2016-7-22
- ε Phantom: SAM1; Type: SAM; Serial: TP-1475
- ε 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) = 0.193 W/kg

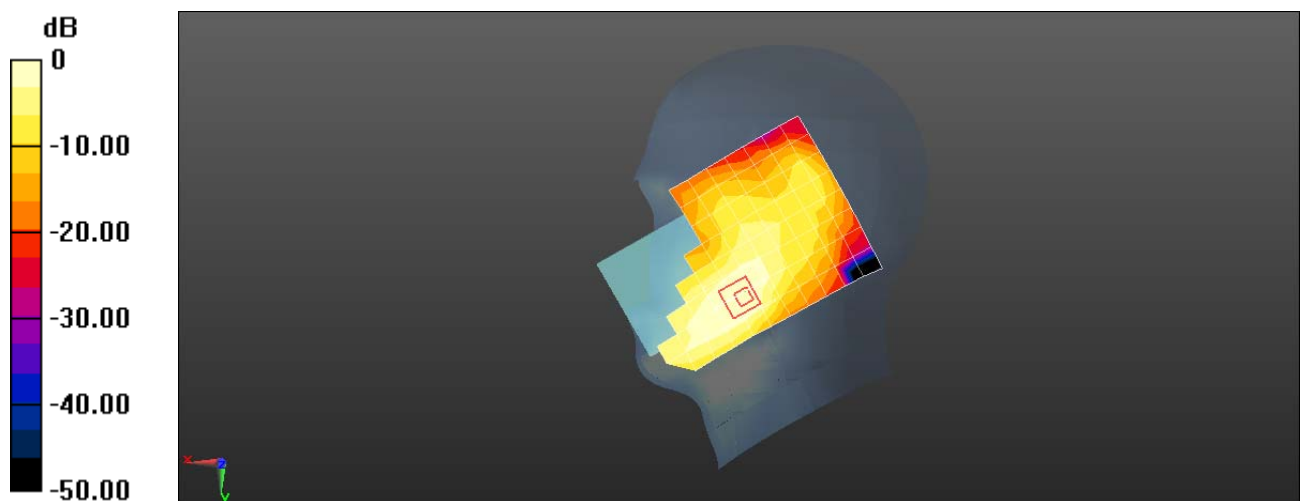
**Configuration/Head/Zoom Scan (5x6x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 4.962 V/m; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 0.269 W/kg

**SAR(1 g) = 0.180 W/kg; SAR(10 g) = 0.114 W/kg**

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



0 dB = 0.193 W/kg = -7.14 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

## **BAC-L23 LTE Band IV 20M QPSK 1RB 50 offset 20300CH Front side 15mm-Main Antenna**

**DUT: BAC-L23; Type: Smart Phone; Serial: SAR1**

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;  $\sigma = 1.512$  S/m;  $\epsilon_r = 52.062$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY Configuration:

- ε Probe: EX3DV4 - SN3744; ConvF(7.61, 7.61, 7.61); Calibrated: 2016-7-26;
- ε Sensor-Surface: 1.4mm (Mechanical Surface Detection),  $z = 1.0, 31.0$
- ε Electronics: DAE4 Sn851; Calibrated: 2016-7-22
- ε Phantom: SAM2; Type: SAM; Serial: TP:1474
- ε 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) = 0.720 W/kg

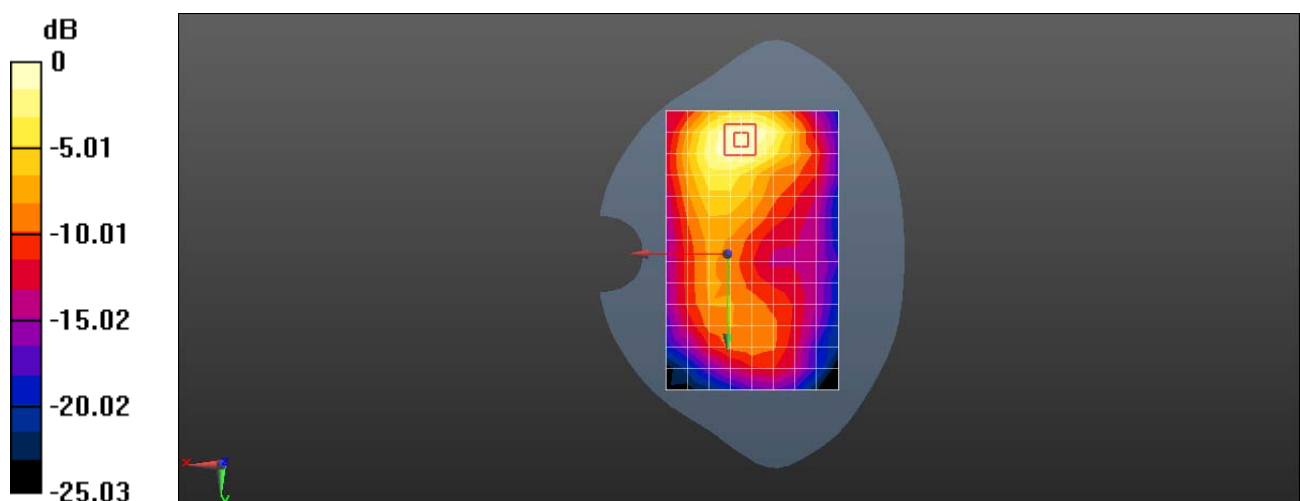
**Configuration/Body/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 4.796 V/m; Power Drift = -0.13 dB

Peak SAR (extrapolated) = 0.871 W/kg

**SAR(1 g) = 0.540 W/kg; SAR(10 g) = 0.320 W/kg**

Maximum value of SAR (measured) = 0.758 W/kg



0 dB = 0.720 W/kg = -1.43 dBW/kg



Test Laboratory: HUAWEI SAR/HAC Lab

### **BAC-L23 LTE Band IV 20M QPSK 1RB 50 offset 20300CH Bottom side 10mm- Main Antenna**

**DUT: BAC-L23; Type: Smart Phone; Serial: SAR1**

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;  $\sigma = 1.512$  S/m;  $\epsilon_r = 52.062$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY Configuration:

- ε Probe: EX3DV4 - SN3744; ConvF(7.61, 7.61, 7.61); Calibrated: 2016-7-26;
- ε Sensor-Surface: 1.4mm (Mechanical Surface Detection),  $z = 1.0, 31.0$
- ε Electronics: DAE4 Sn851; Calibrated: 2016-7-22
- ε Phantom: SAM2; Type: SAM; Serial: TP:1474
- ε DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

**Configuration/Body/Area Scan (6x9x1):** Measurement grid:  $dx=15$ mm,  $dy=15$ mm

Maximum value of SAR (measured) = 0.631 W/kg

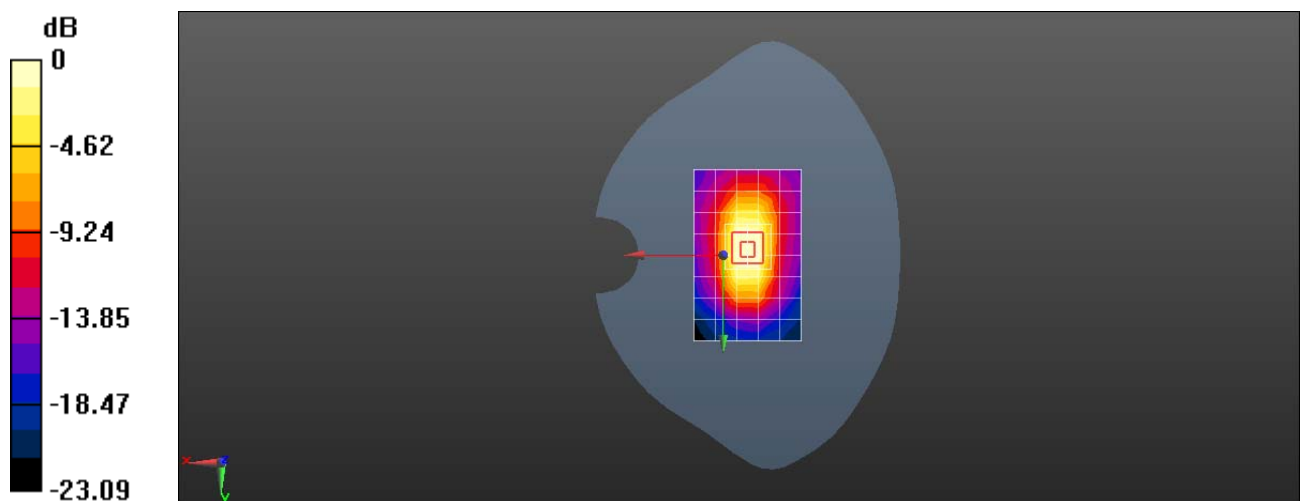
**Configuration/Body/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 25.62 V/m; Power Drift = -0.12 dB

Peak SAR (extrapolated) = 1.36 W/kg

**SAR(1 g) = 0.780 W/kg; SAR(10 g) = 0.410 W/kg**

Maximum value of SAR (measured) = 0.979 W/kg



0 dB = 0.631 W/kg = -2.00 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

### **BAC-L23 LTE Band IV 20M QPSK 1RB 50 offset 20300CH Bottom side 0mm-Main Antenna**

**DUT: BAC-L23; Type: Smart Phone; Serial: SAR1**

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;  $\sigma = 1.512$  S/m;  $\epsilon_r = 52.062$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY Configuration:

- ε Probe: EX3DV4 - SN3744; ConvF(7.61, 7.61, 7.61); Calibrated: 2016-7-26;
- ε Sensor-Surface: 1.4mm (Mechanical Surface Detection), z = 1.0, 31.0
- ε Electronics: DAE4 Sn851; Calibrated: 2016-7-22
- ε Phantom: SAM2; Type: SAM; Serial: TP:1474
- ε DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

**Configuration/Body/Area Scan (6x9x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 3.44 W/kg

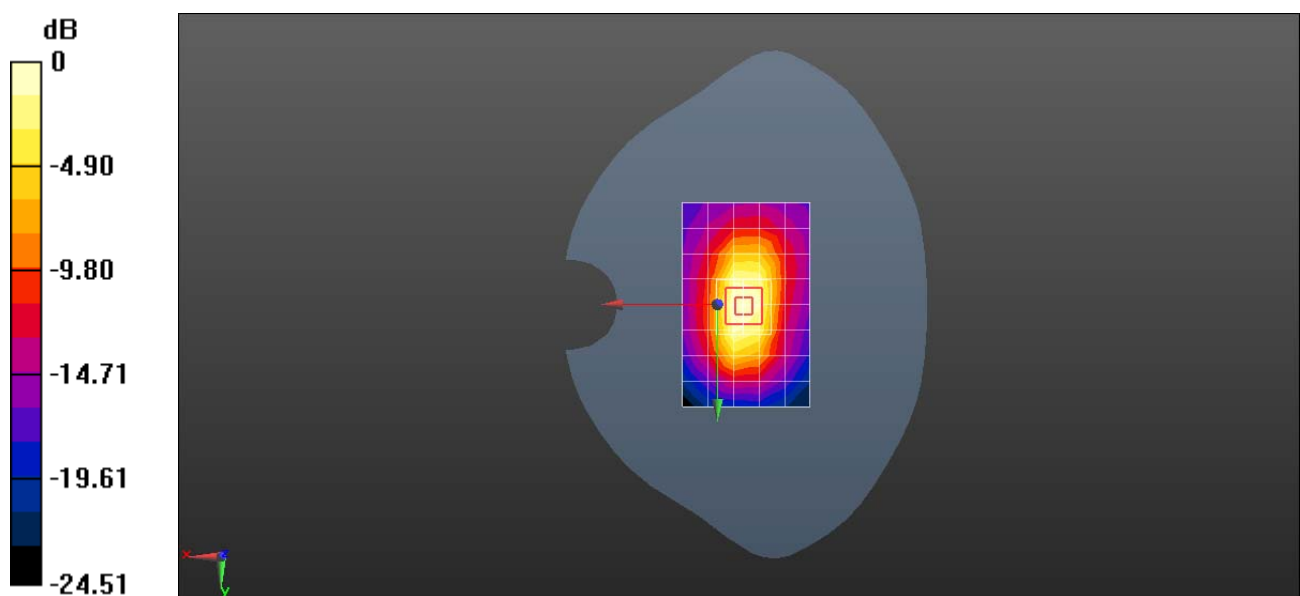
**Configuration/Body/Zoom Scan (5x7x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 59.71 V/m; Power Drift = -0.00 dB

Peak SAR (extrapolated) = 13.0 W/kg

**SAR(1 g) = 4.56 W/kg; SAR(10 g) = 1.99 W/kg**

Maximum value of SAR (measured) = 7.64 W/kg



0 dB = 3.44 W/kg = 5.73 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

## **BAC-L23 LTE Band V 10M QPSK 1RB 25 offset 20525CH Right touch-Main Antenna**

**DUT: BAC-L23; 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;  $\sigma = 0.923$  S/m;  $\epsilon_r = 42.156$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Right Section

DASY Configuration:

- ε Probe: EX3DV4 - SN3744; ConvF(8.86, 8.86, 8.86); Calibrated: 2016-7-26;
- ε Sensor-Surface: 1.4mm (Mechanical Surface Detection),  $z = 1.0, 31.0$
- ε Electronics: DAE4 Sn1236; Calibrated: 2016-11-22
- ε Phantom: SAM3; Type: SAM; Serial: TP-1597
- ε DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

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

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

Maximum value of SAR (measured) = 0.341 W/kg

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

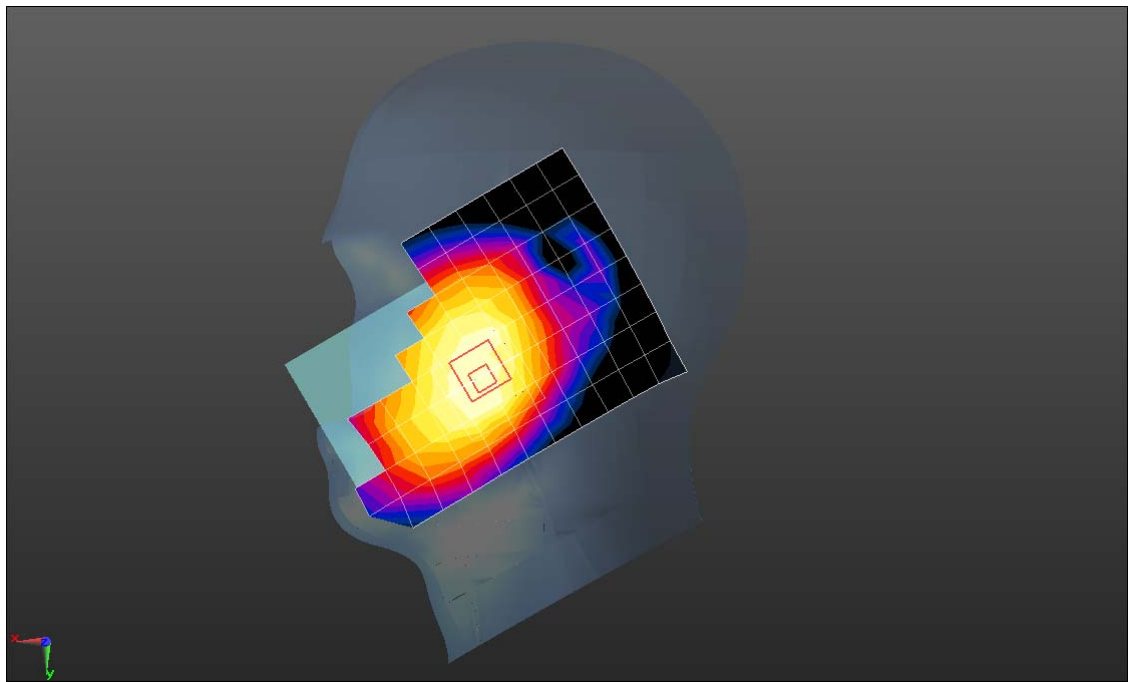
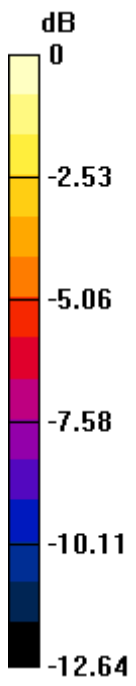
Reference Value = 6.310 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 0.374 W/kg

**SAR(1 g) = 0.290 W/kg; SAR(10 g) = 0.226 W/kg**

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

Maximum value of SAR (measured) = 0.338 W/kg



0 dB = 0.338 W/kg = -4.71 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

## **BAC-L23 LTE Band V 10M QPSK 1RB 25 offset 20525CH Back side 15mm-Main Antenna**

**DUT: BAC-L23; 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;  $\sigma = 0.99$  S/m;  $\epsilon_r = 54.035$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY Configuration:

- ε Probe: EX3DV4 - SN3744; ConvF(8.94, 8.94, 8.94); Calibrated: 2016-7-26;
- ε Sensor-Surface: 1.4mm (Mechanical Surface Detection),  $z = 1.0, 31.0$
- ε Electronics: DAE4 Sn1236; Calibrated: 2016-11-22
- ε Phantom: SAM4; Type: SAM; Serial: TP-1620
- ε DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

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

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

Maximum value of SAR (measured) = 0.252 W/kg

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

Reference Value = 16.12 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 0.289 W/kg

**SAR(1 g) = 0.230 W/kg; SAR(10 g) = 0.178 W/kg**

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

**Configuration/Body/Zoom Scan (5x5x7)/Cube 1:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

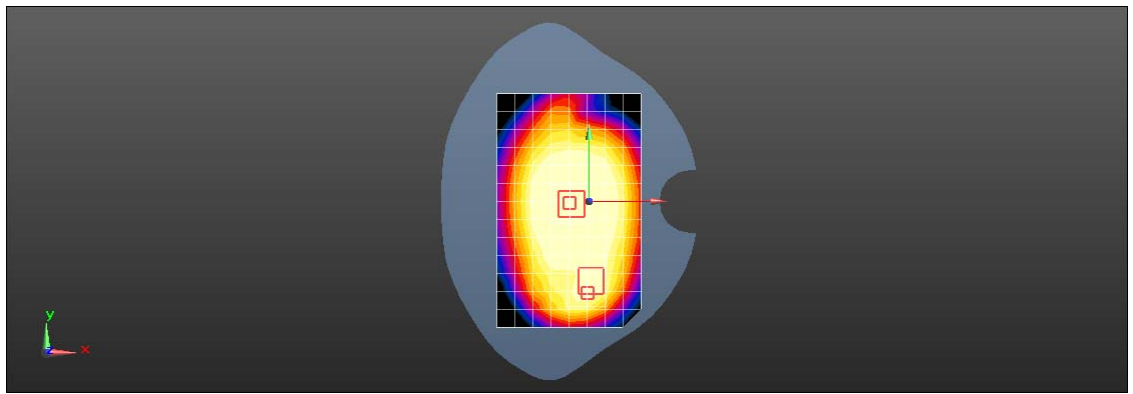
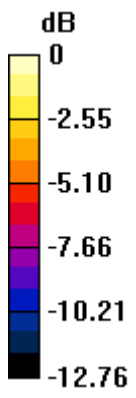
Reference Value = 16.12 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 0.232 W/kg

**SAR(1 g) = 0.145 W/kg; SAR(10 g) = 0.093 W/kg**

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

Maximum value of SAR (measured) = 0.170 W/kg



0 dB = 0.170 W/kg = -7.69 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

## BAC-L23 LTE Band V 10M QPSK 1RB 25 offset 20525CH Right side 10mm-Main Antenna

**DUT: BAC-L23; 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;  $\sigma = 0.99$  S/m;  $\epsilon_r = 54.035$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY Configuration:

- ε Probe: EX3DV4 - SN3744; ConvF(8.94, 8.94, 8.94); Calibrated: 2016-7-26;
- ε Sensor-Surface: 1.4mm (Mechanical Surface Detection),  $z = 1.0, 31.0$
- ε Electronics: DAE4 Sn1236; Calibrated: 2016-11-22
- ε Phantom: SAM4; Type: SAM; Serial: TP-1620
- ε DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

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

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

Maximum value of SAR (measured) = 0.553 W/kg

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

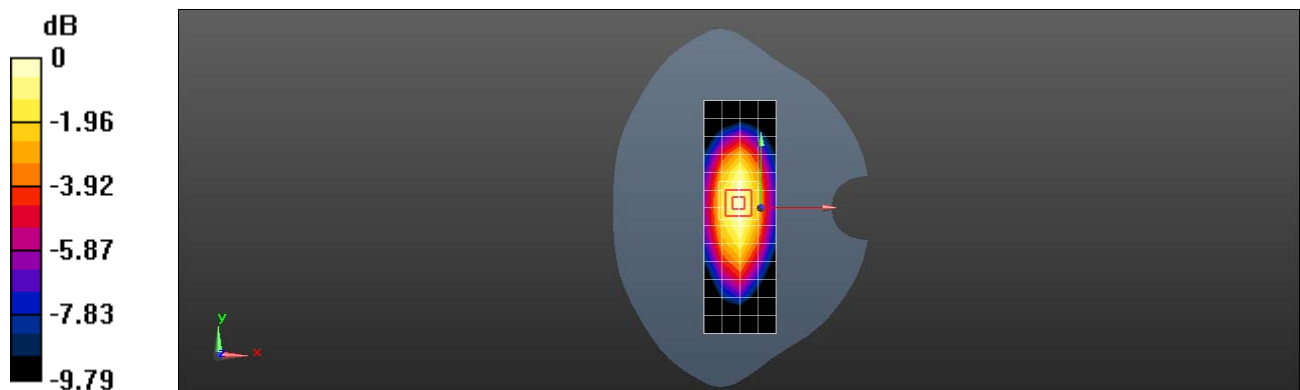
Reference Value = 23.81 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 0.699 W/kg

**SAR(1 g) = 0.483 W/kg; SAR(10 g) = 0.327 W/kg**

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

Maximum value of SAR (measured) = 0.559 W/kg



0 dB = 0.559 W/kg = -2.52 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

### **BAC-L23 LTE Band VII 20M QPSK 1RB 50 offset 21100CH Right tilt with Battery 3-Main Antenna**

**DUT: BAC-L23; 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;  $\sigma = 1.931$  S/m;  $\epsilon_r = 40.621$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Right Section

DASY Configuration:

- ε Probe: EX3DV4 - SN3744; ConvF(6.9, 6.9, 6.9); Calibrated: 2016-7-26;
- ε Sensor-Surface: 1.4mm (Mechanical Surface Detection),  $z = 1.0, 31.0$
- ε Electronics: DAE4 Sn1236; Calibrated: 2016-11-22
- ε Phantom: SAM3; Type: SAM; Serial: TP-1597
- ε DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

**Configuration/Head/Area Scan (11x17x1):** Measurement grid:  $dx=12$ mm,  $dy=12$ mm  
Maximum value of SAR (measured) = 0.272 W/kg

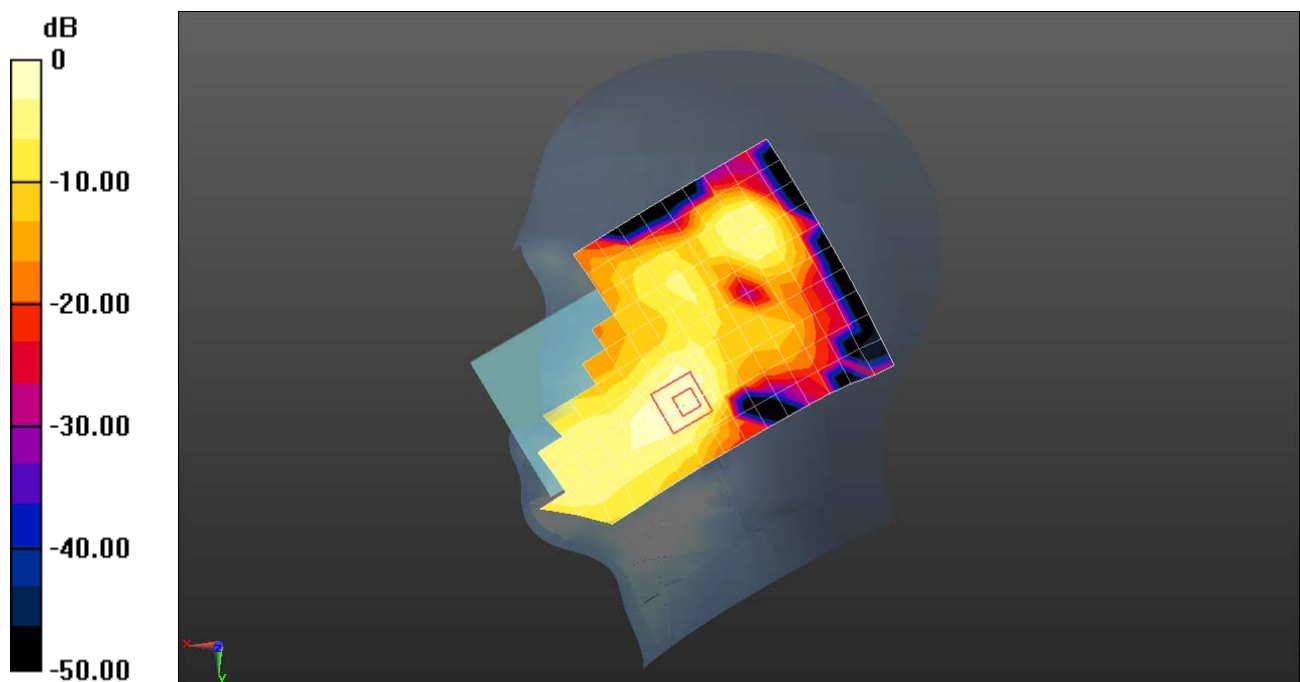
**Configuration/Head/Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

Reference Value = 1.185 V/m; Power Drift = 0.19 dB

Peak SAR (extrapolated) = 0.398 W/kg

**SAR(1 g) = 0.215 W/kg; SAR(10 g) = 0.113 W/kg**

Maximum value of SAR (measured) = 0.314 W/kg



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



Test Laboratory: HUAWEI SAR/HAC Lab

## BAC-L23 LTE Band VII 20M QPSK 1RB 50 offset 21100CH Front side 15mm-Main Antenna

**DUT: BAC-L23; Type: Smart Phone; Serial: SAR1**

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;  $\sigma = 2.152$  S/m;  $\epsilon_r = 51.702$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY Configuration:

- ε Probe: EX3DV4 - SN3744; ConvF(6.92, 6.92, 6.92); Calibrated: 2016-7-26;
- ε Sensor-Surface: 1.4mm (Mechanical Surface Detection),  $z = 1.0, 31.0$
- ε Electronics: DAE4 Sn851; Calibrated: 2016-7-22
- ε Phantom: SAM2; Type: SAM; Serial: TP:1474
- ε DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

**Configuration/Body/Area Scan (10x17x1):** Measurement grid:  $dx=12$ mm,  $dy=12$ mm  
Maximum value of SAR (measured) = 0.754 W/kg

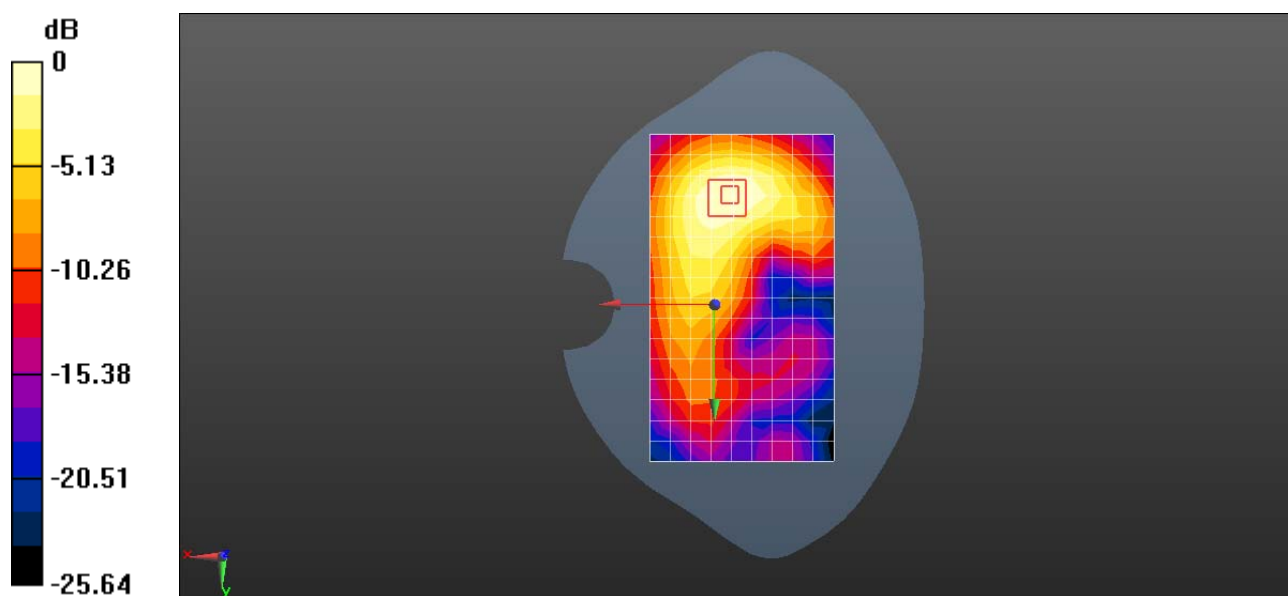
**Configuration/Body/Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

Reference Value = 5.617 V/m; Power Drift = -0.18 dB

Peak SAR (extrapolated) = 0.938 W/kg

**SAR(1 g) = 0.502 W/kg; SAR(10 g) = 0.287 W/kg**

Maximum value of SAR (measured) = 0.760 W/kg



0 dB = 0.754 W/kg = -1.23 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

### BAC-L23 LTE Band VII 20M QPSK 1RB 50 offset 21100CH Bottom side 10mm with Battery2-Main Antenna

**DUT: BAC-L23; Type: Smart Phone; Serial: SAR1**

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;  $\sigma = 2.141$  S/m;  $\epsilon_r = 50.768$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY Configuration:

- ε Probe: EX3DV4 - SN3744; ConvF(6.92, 6.92, 6.92); Calibrated: 2016-7-26;
- ε Sensor-Surface: 1.4mm (Mechanical Surface Detection), z = 1.0, 31.0
- ε Electronics: DAE4 Sn851; Calibrated: 2016-7-22
- ε Phantom: SAM2; Type: SAM; Serial: TP:1474
- ε DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

**Configuration/Body/Area Scan (7x11x1):** Measurement grid: dx=12mm, dy=12mm  
Maximum value of SAR (measured) = 0.972 W/kg

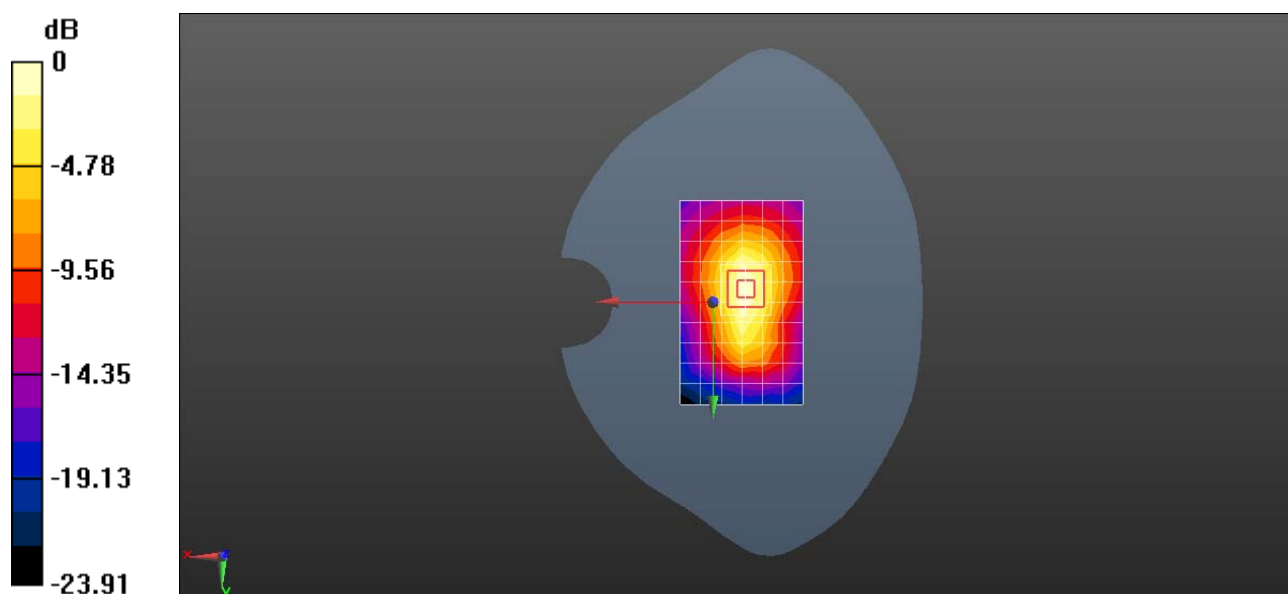
**Configuration/Body/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 18.04 V/m; Power Drift = 0.12 dB

Peak SAR (extrapolated) = 1.32 W/kg

**SAR(1 g) = 0.639 W/kg; SAR(10 g) = 0.321 W/kg**

Maximum value of SAR (measured) = 1.05 W/kg



0 dB = 0.972 W/kg = -0.12 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

**BAC-L23 LTE Band VII 20M QPSK 1RB 50 offset 21100CH Bottom side 0mm with Battery 2-Main Antenna**

**DUT: BAC-L23; Type: Smart Phone; Serial: SAR1**

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;  $\sigma = 2.141$  S/m;  $\epsilon_r = 50.768$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY Configuration:

- ε Probe: EX3DV4 - SN3744; ConvF(6.92, 6.92, 6.92); Calibrated: 2016-7-26;
- ε Sensor-Surface: 1.4mm (Mechanical Surface Detection),  $z = 1.0, 31.0$
- ε Electronics: DAE4 Sn851; Calibrated: 2016-7-22
- ε Phantom: SAM2; Type: SAM; Serial: TP:1474
- ε DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

**Configuration/Body/Area Scan (7x11x1):** Measurement grid:  $dx=12$ mm,  $dy=12$ mm  
Maximum value of SAR (measured) = 8.56 W/kg

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

Reference Value = 29.55 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 15.7 W/kg

**SAR(1 g) = 4.69 W/kg; SAR(10 g) = 1.71 W/kg**

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

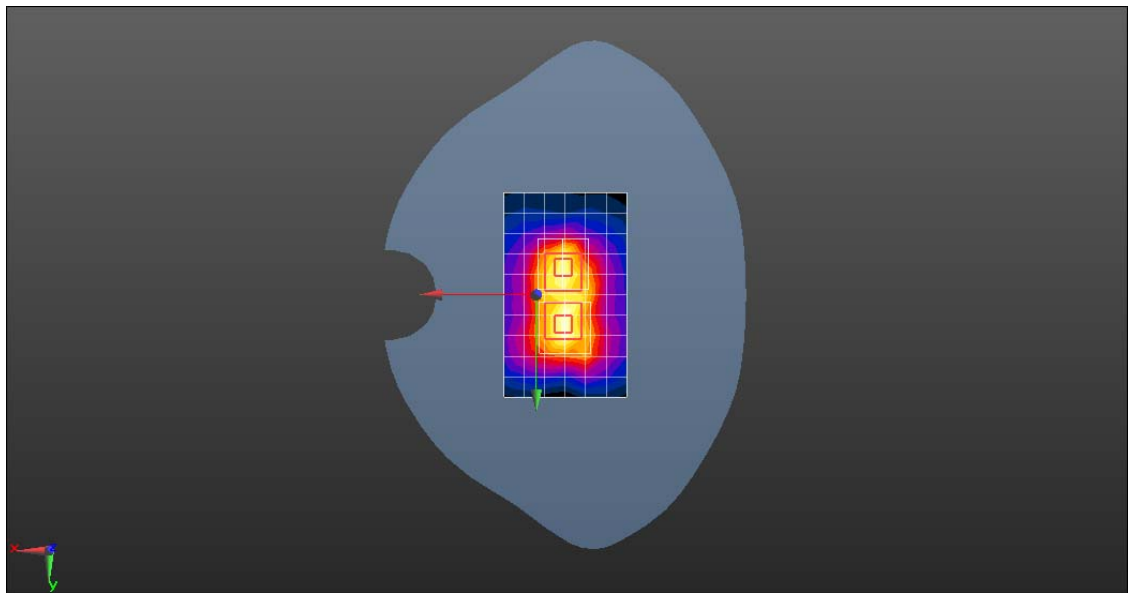
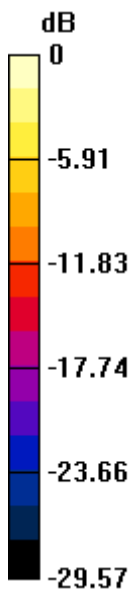
**Configuration/Body/Zoom Scan (7x7x7)/Cube 1:** Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

Reference Value = 29.55 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 9.38 W/kg

**SAR(1 g) = 3.33 W/kg; SAR(10 g) = 1.35 W/kg**

Maximum value of SAR (measured) = 6.78 W/kg



0 dB = 8.56 W/kg = 9.32 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

## **BAC-L23 LTE Band XII 10M QPSK 1RB 25 offset 23130CH Right touch with Battery 2-Main Antenna**

**DUT: BAC-L23; 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;  $\sigma = 0.877$  S/m;  $\epsilon_r = 42.552$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Right Section

DASY Configuration:

- ε Probe: EX3DV4 - SN3744; ConvF(9.7, 9.7, 9.7); Calibrated: 2016-7-26;
- ε Sensor-Surface: 1.4mm (Mechanical Surface Detection), z = 1.0, 31.0
- ε Electronics: DAE4 Sn852; Calibrated: 2017-4-27
- ε Phantom: SAM3; Type: SAM; Serial: TP-1597
- ε DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

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

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

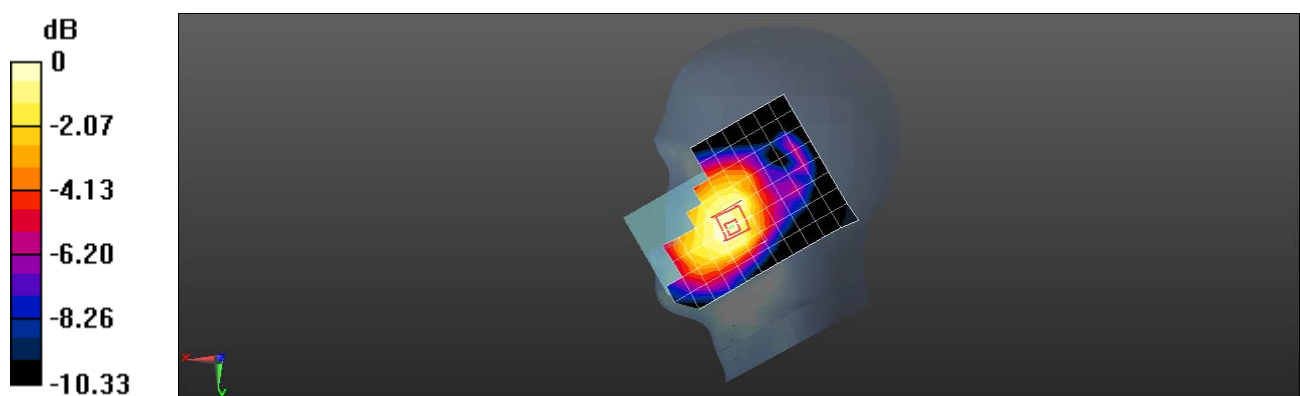
**Configuration/Head/Zoom Scan (6x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 5.722 V/m; Power Drift = 0.12 dB

Peak SAR (extrapolated) = 0.205 W/kg

**SAR(1 g) = 0.161 W/kg; SAR(10 g) = 0.125 W/kg**

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



Test Laboratory: HUAWEI SAR/HAC Lab

## BAC-L23 LTE Band XII 10M QPSK 1RB 25 offset 23130CH Front side 15mm-Main Antenna

**DUT: BAC-L23; 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;  $\sigma = 0.943$  S/m;  $\epsilon_r = 54.778$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY Configuration:

- ε Probe: EX3DV4 - SN3744; ConvF(9.03, 9.03, 9.03); Calibrated: 2016-7-26;
- ε Sensor-Surface: 1.4mm (Mechanical Surface Detection), z = 1.0, 31.0
- ε Electronics: DAE4 Sn1236; Calibrated: 2016-11-22
- ε Phantom: SAM4; Type: SAM; Serial: TP-1620
- ε DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

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

Maximum value of SAR (measured) = 0.193 W/kg

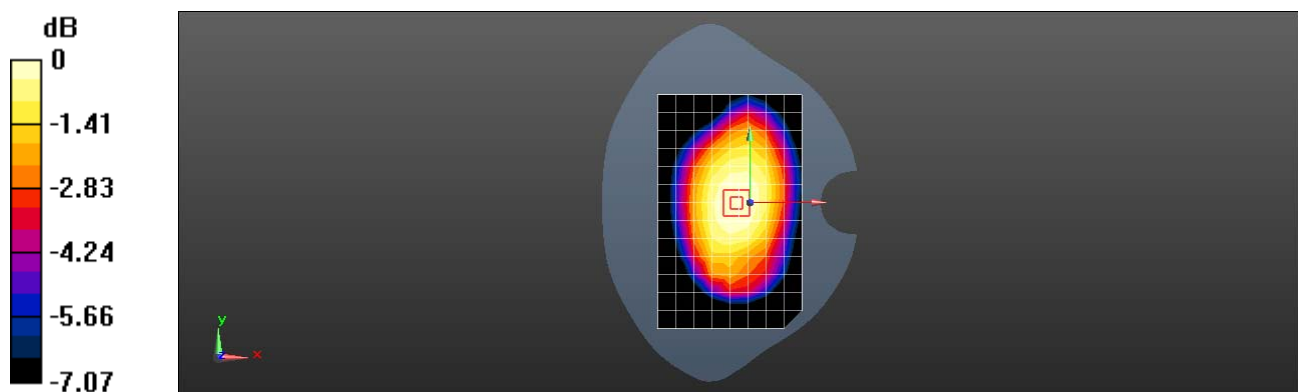
**Configuration/Body/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 14.46 V/m; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 0.219 W/kg

**SAR(1 g) = 0.178 W/kg; SAR(10 g) = 0.139 W/kg**

Maximum value of SAR (measured) = 0.194 W/kg



0 dB = 0.194 W/kg = -7.12 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

## BAC-L23 LTE Band XII 10M QPSK 1RB 25 offset 23130CH Right side 10mm-Main Antenna

**DUT: BAC-L23; Type: Smart Phone; Serial: SAR1**

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;  $\sigma = 0.943$  S/m;  $\epsilon_r = 54.778$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY Configuration:

- ε Probe: EX3DV4 - SN3744; ConvF(9.03, 9.03, 9.03); Calibrated: 2016-7-26;
- ε Sensor-Surface: 1.4mm (Mechanical Surface Detection), z = 1.0, 31.0
- ε Electronics: DAE4 Sn1236; Calibrated: 2016-11-22
- ε Phantom: SAM4; Type: SAM; Serial: TP-1620
- ε DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

**Configuration/Body/Area Scan (5x14x1):** Measurement grid: dx=15mm, dy=15mm  
Maximum value of SAR (measured) = 0.350 W/kg

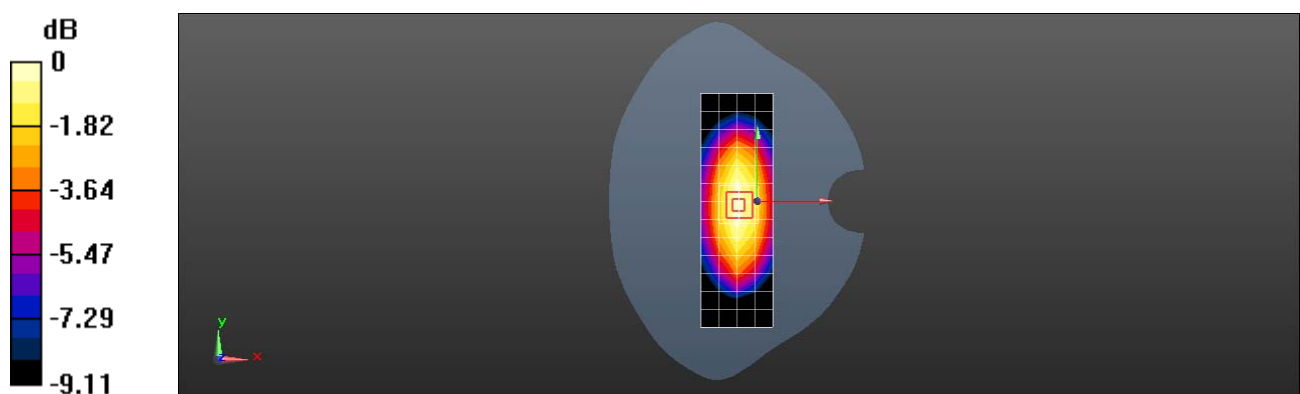
**Configuration/Body/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 19.48 V/m; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 0.438 W/kg

**SAR(1 g) = 0.309 W/kg; SAR(10 g) = 0.215 W/kg**

Maximum value of SAR (measured) = 0.355 W/kg



0 dB = 0.355 W/kg = -4.49 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

### BAC-L23 WiFi 2.4G 802.11b 1M 6CH Left tilt

**DUT: BAC-L23; 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;  $\sigma = 1.82$  S/m;  $\epsilon_r = 38.231$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Left Section

DASY Configuration:

- ε Probe: EX3DV4 - SN3744; ConvF(7.02, 7.02, 7.02); Calibrated: 2016-7-26;
- ε Sensor-Surface: 1.4mm (Mechanical Surface Detection),  $z = 1.0, 31.0$
- ε Electronics: DAE4 Sn851; Calibrated: 2016-7-22
- ε Phantom: SAM1; Type: SAM; Serial: TP-1475
- ε 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) = 0.467 W/kg

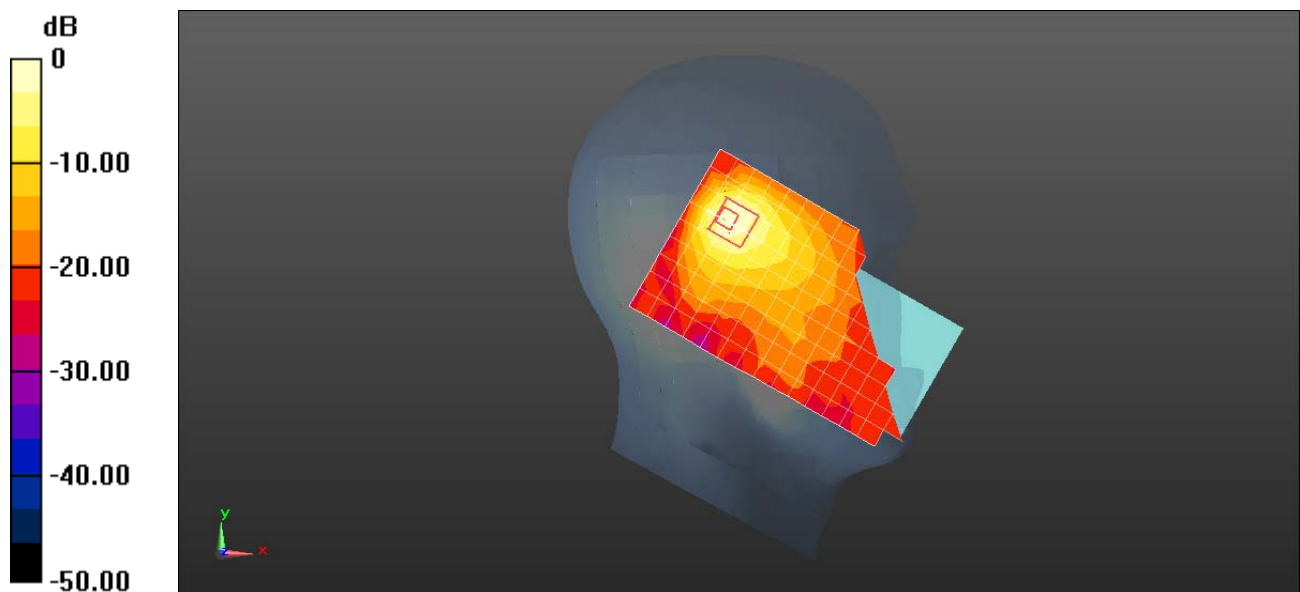
**Configuration/Head/Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

Reference Value = 4.980 V/m; Power Drift = 0.15 dB

Peak SAR (extrapolated) = 0.916 W/kg

**SAR(1 g) = 0.342 W/kg; SAR(10 g) = 0.145 W/kg**

Maximum value of SAR (measured) = 0.448 W/kg



0 dB = 0.467 W/kg = -3.31 dBW/kg



Test Laboratory: HUAWEI SAR/HAC Lab

### BAC-L23 WIFI 2.4G 802.11b 1M 6CH Back side 15mm

**DUT: BAC-L23; 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;  $\sigma = 2.008$  S/m;  $\epsilon_r = 52.37$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY Configuration:

- ε Probe: EX3DV4 - SN3744; ConvF(6.99, 6.99, 6.99); Calibrated: 2016-7-26;
- ε Sensor-Surface: 1.4mm (Mechanical Surface Detection),  $z = 1.0, 31.0$
- ε Electronics: DAE4 Sn851; Calibrated: 2016-7-22
- ε Phantom: SAM2; Type: SAM; Serial: TP:1474
- ε DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

**Configuration/Body/Area Scan (10x17x1):** Measurement grid:  $dx=12$ mm,  $dy=12$ mm  
Maximum value of SAR (measured) = 0.244 W/kg

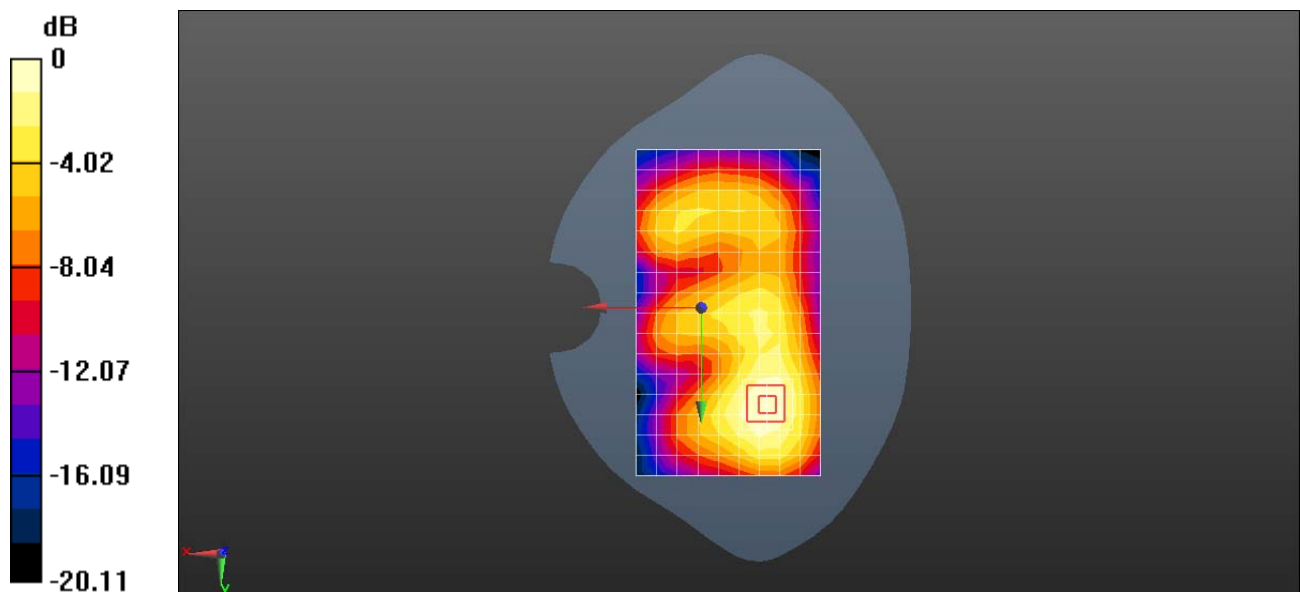
**Configuration/Body/Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

Reference Value = 7.686 V/m; Power Drift = 0.06 dB

Peak SAR (extrapolated) = 0.319 W/kg

**SAR(1 g) = 0.175 W/kg; SAR(10 g) = 0.099 W/kg**

Maximum value of SAR (measured) = 0.262 W/kg



0 dB = 0.244 W/kg = -6.13 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

**BAC-L23 WIFI 2.4G 802.11b 1M 6CH Right side 10mm**

**DUT: BAC-L23; 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;  $\sigma = 2.008$  S/m;  $\epsilon_r = 52.37$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

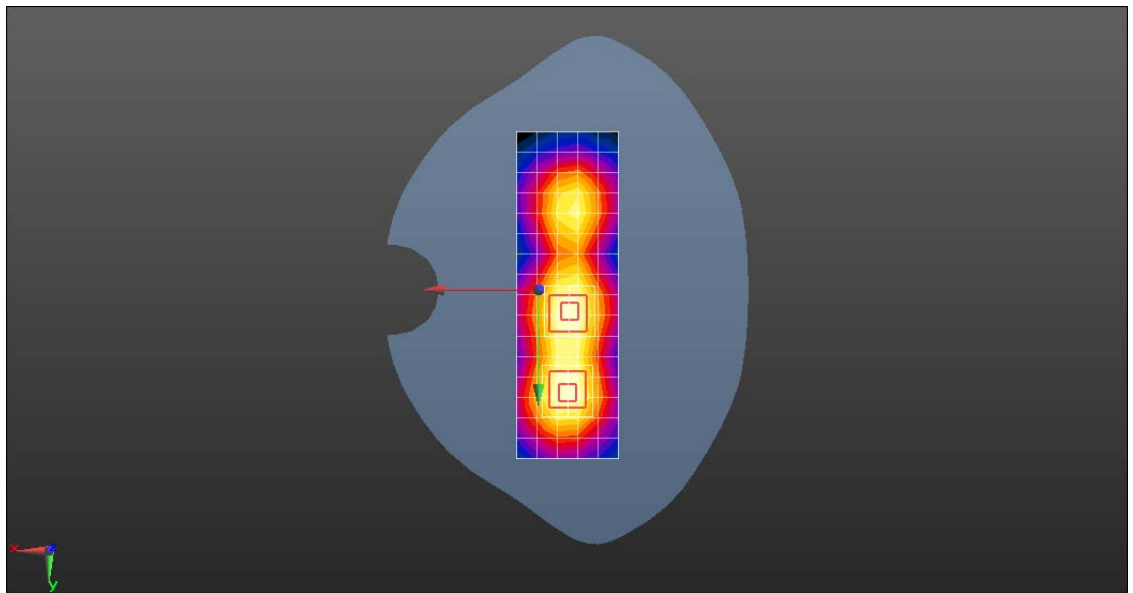
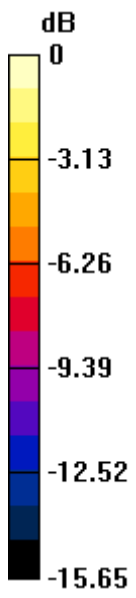
DASY Configuration:

- ε Probe: EX3DV4 - SN3744; ConvF(6.99, 6.99, 6.99); Calibrated: 2016-7-26;
- ε Sensor-Surface: 1.4mm (Mechanical Surface Detection),  $z = 1.0, 31.0$
- ε Electronics: DAE4 Sn851; Calibrated: 2016-7-22
- ε Phantom: SAM2; Type: SAM; Serial: TP:1474
- ε DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

**Configuration/Body/Area Scan (6x17x1):** Measurement grid:  $dx=12$ mm,  $dy=12$ mm  
Maximum value of SAR (measured) = 0.475 W/kg

**Configuration/Body/Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm  
Reference Value = 14.96 V/m; Power Drift = -0.10 dB  
Peak SAR (extrapolated) = 0.718 W/kg  
**SAR(1 g) = 0.357 W/kg; SAR(10 g) = 0.180 W/kg**  
Maximum value of SAR (measured) = 0.577 W/kg

**Configuration/Body/Zoom Scan (7x7x7)/Cube 1:** Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm  
Reference Value = 14.96 V/m; Power Drift = -0.10 dB  
Peak SAR (extrapolated) = 0.651 W/kg  
**SAR(1 g) = 0.338 W/kg; SAR(10 g) = 0.180 W/kg**  
Maximum value of SAR (measured) = 0.526 W/kg



0 dB = 0.475 W/kg = -3.23 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

### BAC-L23 BT DH5 39CH Left tilt

**DUT: BAC-L23; Type: Smart Phone; Serial: SAR1**

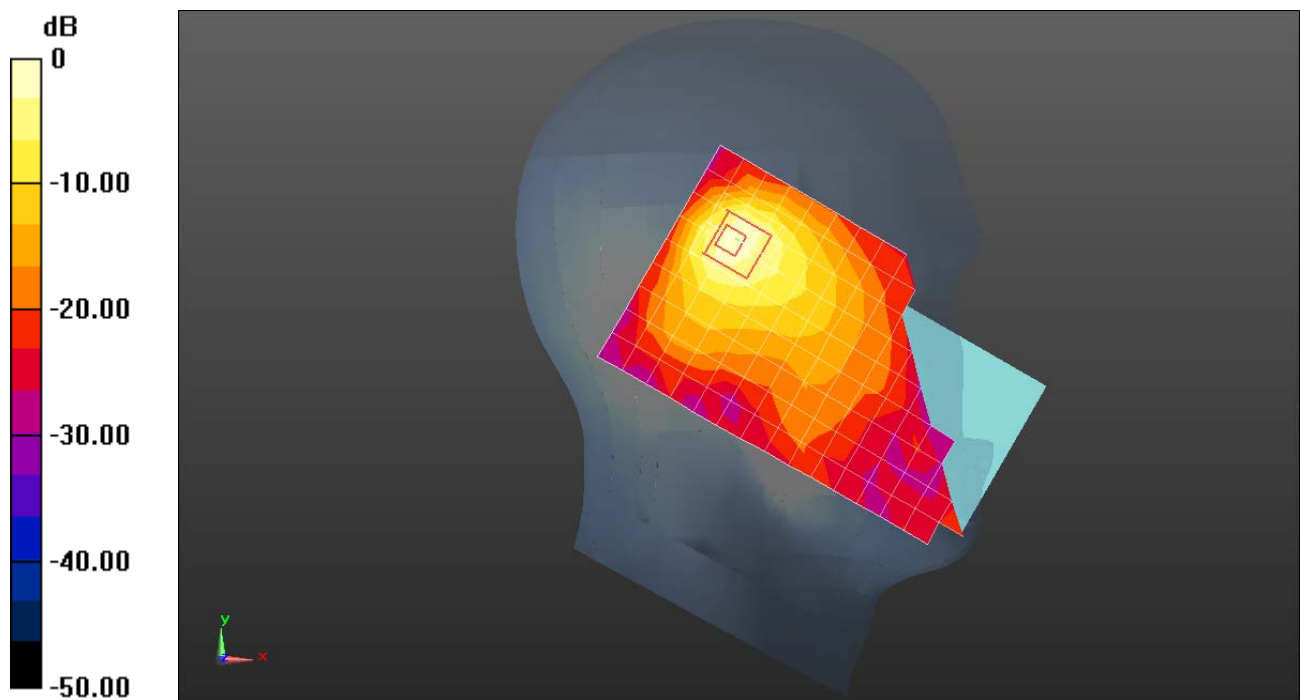
Communication System: UID 0, BT (0); Frequency: 2441 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 2441$  MHz;  $\sigma = 1.803$  S/m;  $\epsilon_r = 39.346$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Left Section

DASY Configuration:

- ε Probe: ES3DV3 - SN3168; ConvF(4.73, 4.73, 4.73); Calibrated: 2016-9-27;
- ε Sensor-Surface: 3mm (Mechanical Surface Detection),  $z = 2.0, 32.0$
- ε Electronics: DAE4 Sn851; Calibrated: 2016-7-22
- ε Phantom: SAM1; Type: SAM; Serial: TP-1475
- ε 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) = 0.305 W/kg

**Configuration/Head/Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm  
Reference Value = 4.440 V/m; Power Drift = -0.17 dB  
Peak SAR (extrapolated) = 0.585 W/kg  
**SAR(1 g) = 0.219 W/kg; SAR(10 g) = 0.091 W/kg**  
Maximum value of SAR (measured) = 0.287 W/kg



0 dB = 0.305 W/kg = -5.16 dBW/kg