

**Appendix B. SAR Measurement Plots**

<b>Table of contents</b>
<b>GSM850 Head</b>
<b>GSM850 Body</b>
<b>GSM1900 Head</b>
<b>GSM1900 Body</b>
<b>UMTS Band II Head</b>
<b>UMTS Band II Body</b>
<b>UMTS Band IV Head</b>
<b>UMTS Band IV Body</b>
<b>UMTS Band V Head</b>
<b>UMTS Band V Body</b>
<b>LTE Band 2 Head</b>
<b>LTE Band 2 Body</b>
<b>LTE Band 4 Head</b>
<b>LTE Band 4 Body</b>
<b>LTE Band 5 Head</b>
<b>LTE Band 5 Body</b>
<b>LTE Band 7 Head</b>
<b>LTE Band 7 Body</b>
<b>LTE Band 12 Head</b>
<b>LTE Band 12 Body</b>
<b>LTE Band 26 Head</b>
<b>LTE Band 26 Body</b>
<b>LTE Band 38 Head</b>
<b>LTE Band 38 Body</b>
<b>LTE Band 41 Head</b>
<b>LTE Band 41 Body</b>
<b>WIFI 2.4G Head</b>
<b>WIFI 2.4G Body</b>
<b>WIFI 5G Head</b>
<b>WIFI 5G Body</b>
<b>BT Head</b>
<b>BT Body</b>

Test Laboratory: HUAWEI SAR/HAC Lab

## VOG-L29 GSM850 128CH Left Cheek-Second Antenna

**DUT: VOG-L29; Type: Smart Phone; Serial: SAR2**

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;  $\sigma = 0.927$  S/m;  $\epsilon_r = 42.289$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Left Section

DASY Configuration:

- Probe: ES3DV3 - SN3168; ConvF(6.35, 6.35, 6.35) @ 824.2 MHz; Calibrated: 2018-9-27
- Sensor-Surface: 3mm (Mechanical Surface Detection),  $z = 2.0, 32.0$
- Electronics: DAE4 Sn1235; Calibrated: 2018-11-14
- Phantom: SAM3; Type: SAM; Serial: 1597
- DASY52 52.10.1(1476); SEMCAD X 14.6.11(7439)

**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) = 0.387 W/kg

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

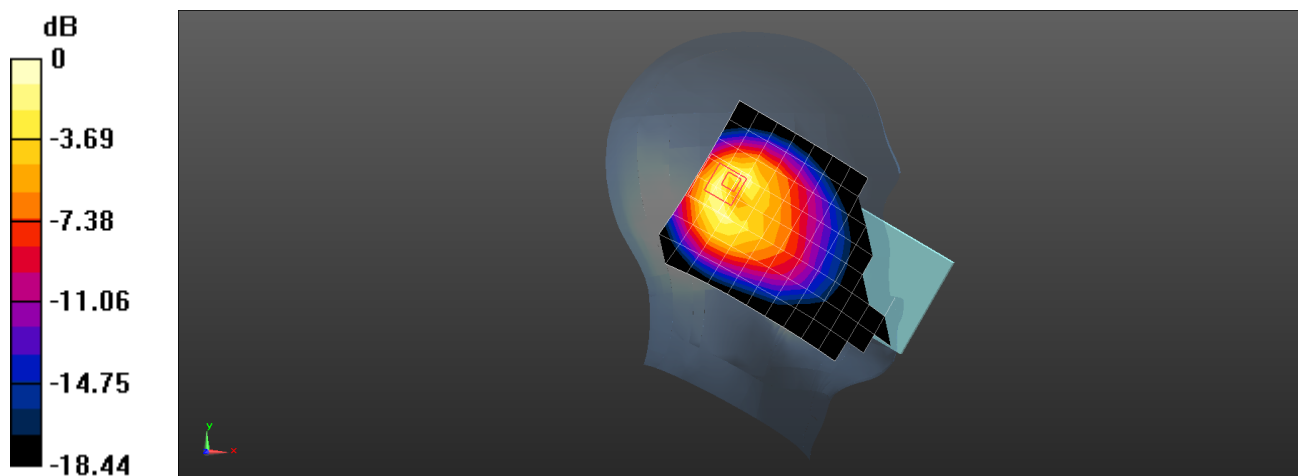
Reference Value = 11.96 V/m; Power Drift = -0.00 dB

Peak SAR (extrapolated) = 0.861 W/kg

**SAR(1 g) = 0.387 W/kg; SAR(10 g) = 0.192 W/kg**

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

Maximum value of SAR (measured) = 0.501 W/kg



0 dB = 0.501 W/kg = -3.00 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

## VOG-L29 GSM850 251CH Right Cheek-Main Antenna

**DUT: VOG-L29; Type: Smart Phone; Serial: SAR2**

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

Medium parameters used:  $f = 849$  MHz;  $\sigma = 0.936$  S/m;  $\epsilon_r = 42.224$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Right Section

DASY Configuration:

- Probe: ES3DV3 - SN3168; ConvF(6.35, 6.35, 6.35) @ 848.8 MHz; Calibrated: 2018-9-27
- Sensor-Surface: 3mm (Mechanical Surface Detection),  $z = 2.0, 32.0$
- Electronics: DAE4 Sn1235; Calibrated: 2018-11-14
- Phantom: SAM3; Type: SAM; Serial: 1597
- DASY52 52.10.1(1476); SEMCAD X 14.6.11(7439)

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

Maximum value of SAR (measured) = 0.149 W/kg

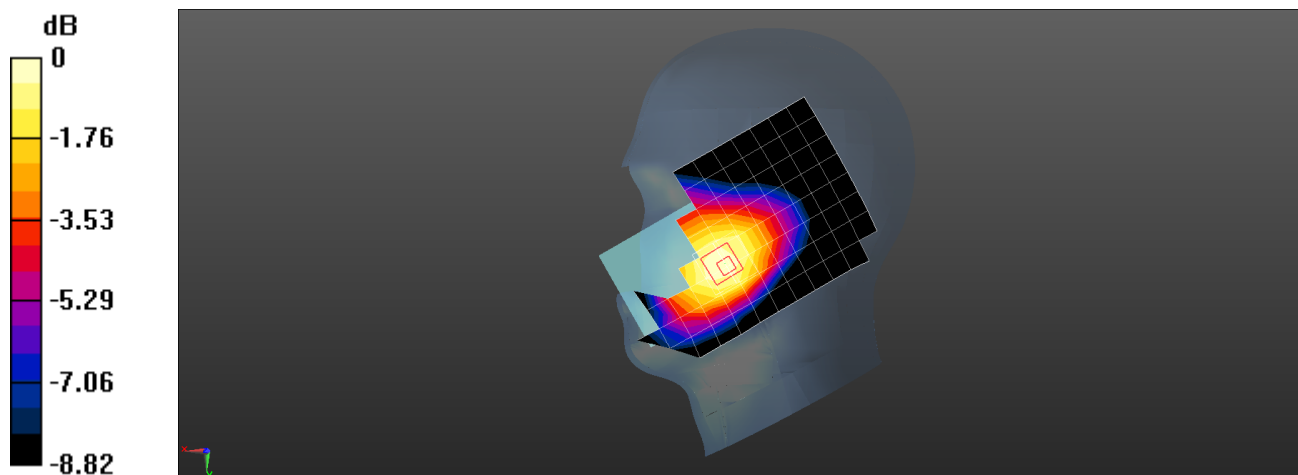
**Configuration/Head/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 5.474 V/m; Power Drift = 0.16 dB

Peak SAR (extrapolated) = 0.171 W/kg

**SAR(1 g) = 0.138 W/kg; SAR(10 g) = 0.108 W/kg**

Maximum value of SAR (measured) = 0.149 W/kg



0 dB = 0.149 W/kg = -8.27 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

## VOG-L04 GSM850 190CH Back Side 15mm-Second Antenna

**DUT: VOG-L04; Type: Smart Phone; Serial: SAR3**

Communication System: UID 0, HW-GSM\GPRS\EGPRS-1TS (0); Frequency: 836.6 MHz; Duty Cycle: 1:8.30042

Medium parameters used:  $f = 837$  MHz;  $\sigma = 1.015$  S/m;  $\epsilon_r = 53.866$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3744; ConvF(9.12, 9.12, 9.12) @ 836.6 MHz; Calibrated: 2018-7-25
- Sensor-Surface: 1.4mm (Mechanical Surface Detection),  $z = 1.0, 31.0$
- Electronics: DAE4 Sn852; Calibrated: 2018-4-23
- Phantom: SAM5; Type: SAM; Serial: 1892
- DASY52 52.10.1(1476); SEMCAD X 14.6.11(7439)

**Configuration/Body/Area Scan (9x13x1):** Measurement grid:  $dx=15$ mm,  $dy=15$ mm

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

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

Reference Value = 11.49 V/m; Power Drift = -0.15 dB

Peak SAR (extrapolated) = 0.395 W/kg

**SAR(1 g) = 0.270 W/kg; SAR(10 g) = 0.183 W/kg**

Maximum value of SAR (measured) = 0.349 W/kg

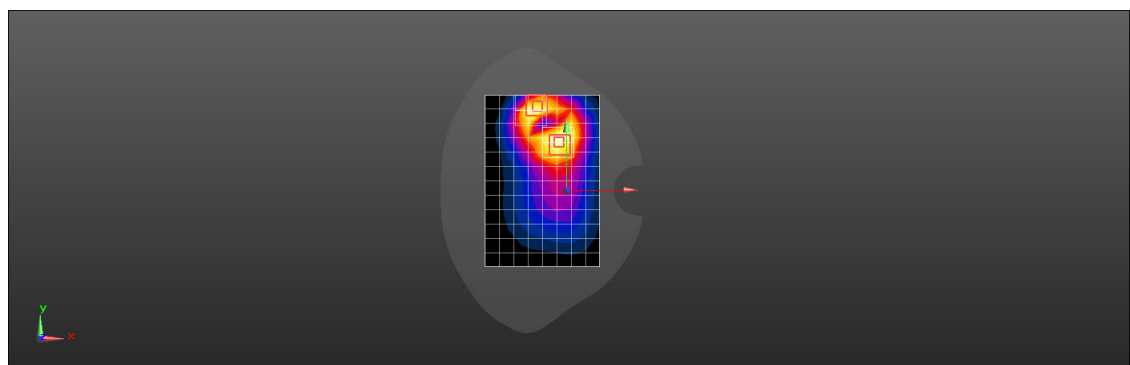
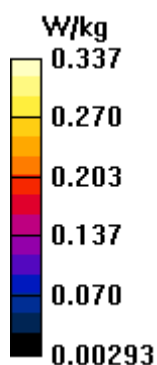
**Configuration/Body/Zoom Scan (5x5x7)/Cube 1:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 11.49 V/m; Power Drift = -0.15 dB

Peak SAR (extrapolated) = 0.409 W/kg

**SAR(1 g) = 0.243 W/kg; SAR(10 g) = 0.142 W/kg**

Maximum value of SAR (measured) = 0.337 W/kg



Test Laboratory: HUAWEI SAR/HAC Lab

## VOG-L04 GSM850 251CH Back Side 15mm with Battery2-Main Antenna

**DUT: VOG-L04; Type: Smart Phone; Serial: SAR3**

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;  $\sigma = 1.019$  S/m;  $\epsilon_r = 53.818$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3744; ConvF(9.12, 9.12, 9.12) @ 848.8 MHz; Calibrated: 2018-7-25
- Sensor-Surface: 1.4mm (Mechanical Surface Detection),  $z = 1.0, 31.0$
- Electronics: DAE4 Sn852; Calibrated: 2018-4-23
- Phantom: SAM5; Type: SAM; Serial: 1892
- DASY52 52.10.1(1476); SEMCAD X 14.6.11(7439)

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

Maximum value of SAR (measured) = 0.349 W/kg

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

Reference Value = 14.13 V/m; Power Drift = -0.08 dB

Peak SAR (extrapolated) = 0.411 W/kg

**SAR(1 g) = 0.288 W/kg; SAR(10 g) = 0.202 W/kg**

Maximum value of SAR (measured) = 0.366 W/kg

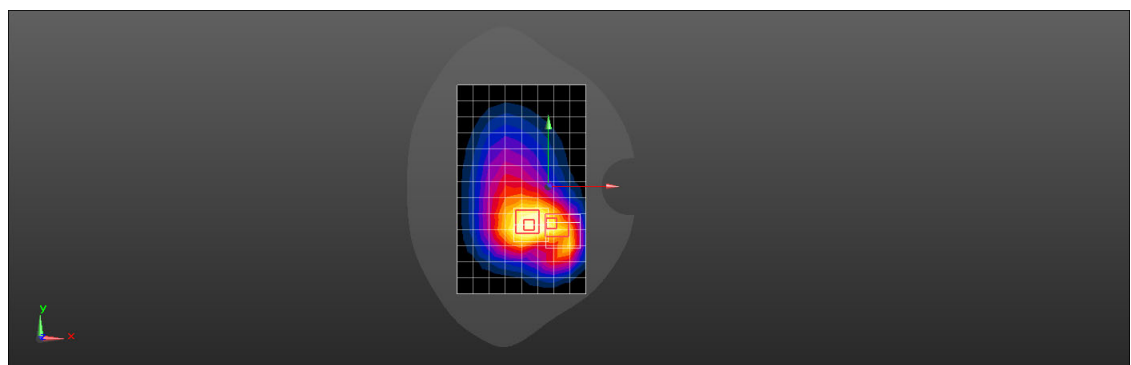
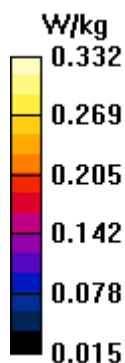
**Configuration/Body/Zoom Scan (5x5x7)/Cube 1:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 14.13 V/m; Power Drift = -0.08 dB

Peak SAR (extrapolated) = 0.380 W/kg

**SAR(1 g) = 0.235 W/kg; SAR(10 g) = 0.146 W/kg**

Maximum value of SAR (measured) = 0.332 W/kg



Test Laboratory: HUAWEI SAR/HAC Lab

### VOG-L04 GSM850 GPRS 2TS 190CH Back Side 10mm-Second Antenna

**DUT: VOG-L04; Type: Smart Phone; Serial: SAR3**

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

Medium parameters used:  $f = 837$  MHz;  $\sigma = 1.015$  S/m;  $\epsilon_r = 53.866$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3744; ConvF(9.12, 9.12, 9.12) @ 836.6 MHz; Calibrated: 2018-7-25
- Sensor-Surface: 1.4mm (Mechanical Surface Detection),  $z = 1.0, 31.0$
- Electronics: DAE4 Sn852; Calibrated: 2018-4-23
- Phantom: SAM5; Type: SAM; Serial: 1892
- DASY52 52.10.1(1476); SEMCAD X 14.6.11(7439)

**Configuration/Body/Area Scan (9x13x1):** Measurement grid:  $dx=15$ mm,  $dy=15$ mm

Maximum value of SAR (measured) = 0.965 W/kg

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

Reference Value = 11.96 V/m; Power Drift = -0.06 dB

Peak SAR (extrapolated) = 1.18 W/kg

**SAR(1 g) = 0.647 W/kg; SAR(10 g) = 0.359 W/kg**

Maximum value of SAR (measured) = 0.969 W/kg

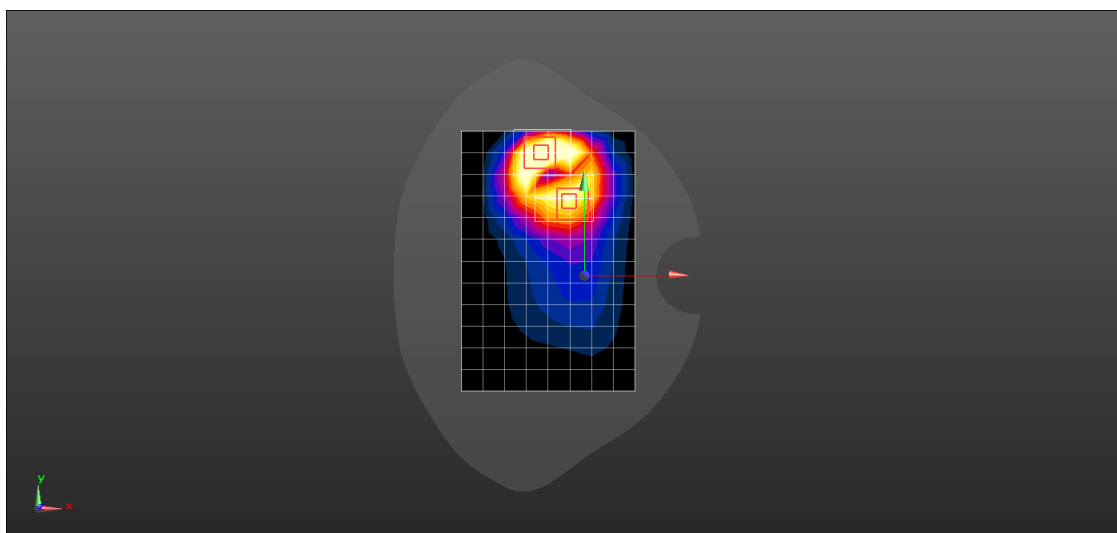
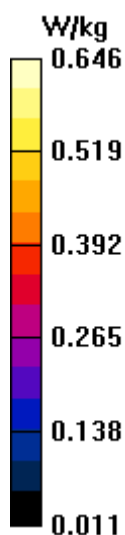
**Configuration/Body/Zoom Scan (6x5x7)/Cube 1:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 11.96 V/m; Power Drift = -0.06 dB

Peak SAR (extrapolated) = 0.751 W/kg

**SAR(1 g) = 0.489 W/kg; SAR(10 g) = 0.319 W/kg**

Maximum value of SAR (measured) = 0.646 W/kg



Test Laboratory: HUAWEI SAR/HAC Lab

## VOG-L29 GSM850 GPRS 2TS 251CH Back Side 10mm with Battery2-Main Antenna

**DUT: VOG-L29; Type: Smart Phone; Serial: SAR3**

Communication System: UID 0, HW-GSM\GPRS\EGPRS-2TS (0); Frequency: 848.8 MHz; Duty Cycle: 1:4.10015

Medium parameters used:  $f = 849$  MHz;  $\sigma = 0.966$  S/m;  $\epsilon_r = 56.31$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3744; ConvF(9.12, 9.12, 9.12) @ 848.8 MHz; Calibrated: 2018-7-25
- Sensor-Surface: 1.4mm (Mechanical Surface Detection),  $z = 1.0, 31.0$
- Electronics: DAE4 Sn852; Calibrated: 2018-4-23
- Phantom: SAM5; Type: SAM; Serial: 1892
- DASY52 52.10.1(1476); SEMCAD X 14.6.11(7439)

**Configuration/Body/Area Scan (9x13x1):** Measurement grid:  $dx=15$ mm,  $dy=15$ mm

Maximum value of SAR (measured) = 0.676 W/kg

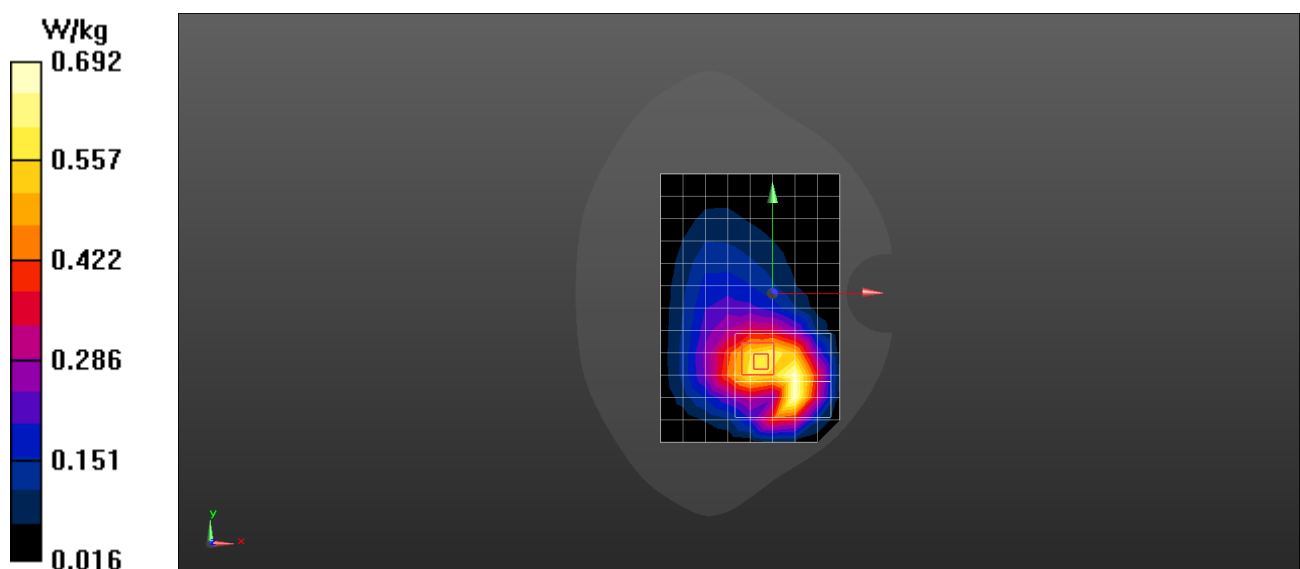
**Configuration/Body/Zoom Scan (9x8x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 14.62 V/m; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 0.856 W/kg

**SAR(1 g) = 0.502 W/kg; SAR(10 g) = 0.342 W/kg**

Maximum value of SAR (measured) = 0.692 W/kg



Test Laboratory: HUAWEI SAR/HAC Lab

## VOG-L04 GSM1900 810CH Right Tilt with Battery2-Second Antenna

**DUT: VOG-L04; Type: Smart Phone; Serial: SAR2**

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

Medium parameters used:  $f = 1910$  MHz;  $\sigma = 1.465$  S/m;  $\epsilon_r = 39.194$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Right Section

DASY Configuration:

- Probe: ES3DV3 - SN3168; ConvF(5.2, 5.2, 5.2) @ 1909.8 MHz; Calibrated: 2018-9-27
- Sensor-Surface: 3mm (Mechanical Surface Detection),  $z = 2.0, 32.0$
- Electronics: DAE4 Sn1235; Calibrated: 2018-11-14
- Phantom: SAM3; Type: SAM; Serial: 1597
- DASY52 52.10.1(1476); SEMCAD X 14.6.11(7439)

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

Maximum value of SAR (measured) = 0.390 W/kg

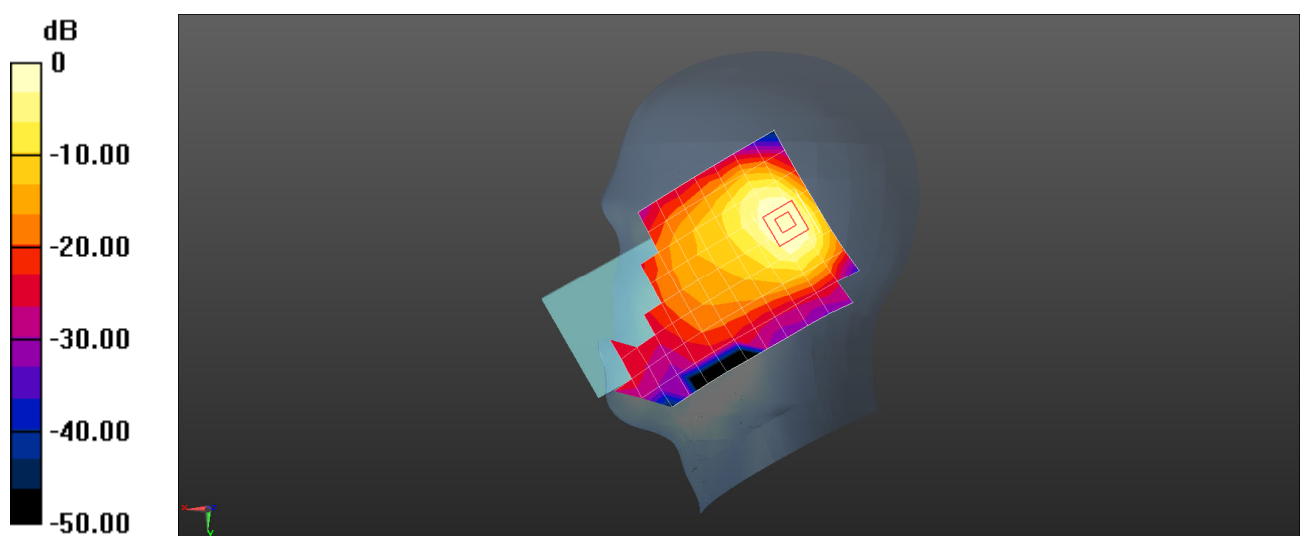
**Configuration/Head/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 10.09 V/m; Power Drift = -0.00 dB

Peak SAR (extrapolated) = 0.884 W/kg

**SAR(1 g) = 0.475 W/kg; SAR(10 g) = 0.228 W/kg**

Maximum value of SAR (measured) = 0.625 W/kg



0 dB = 0.390 W/kg = -4.09 dBW/kg



Test Laboratory: HUAWEI SAR/HAC Lab

## VOG-L29 GSM1900 661CH Right Cheek-Main Antenna

**DUT: VOG-L29; Type: Smart Phone; Serial: SAR4**

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

Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.407$  S/m;  $\epsilon_r = 41.612$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Right Section

DASY Configuration:

- Probe: ES3DV3 - SN3168; ConvF(5.2, 5.2, 5.2) @ 1880 MHz; Calibrated: 2018-9-27
- Sensor-Surface: 3mm (Mechanical Surface Detection),  $z = 2.0, 32.0$
- Electronics: DAE4 Sn1235; Calibrated: 2018-11-14
- Phantom: SAM3; Type: SAM; Serial: 1597
- DASY52 52.10.1(1476); SEMCAD X 14.6.11(7439)

**Configuration/Head/Area Scan (9x15x1):** Measurement grid:  $dx=15$ mm,  $dy=15$ mm

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

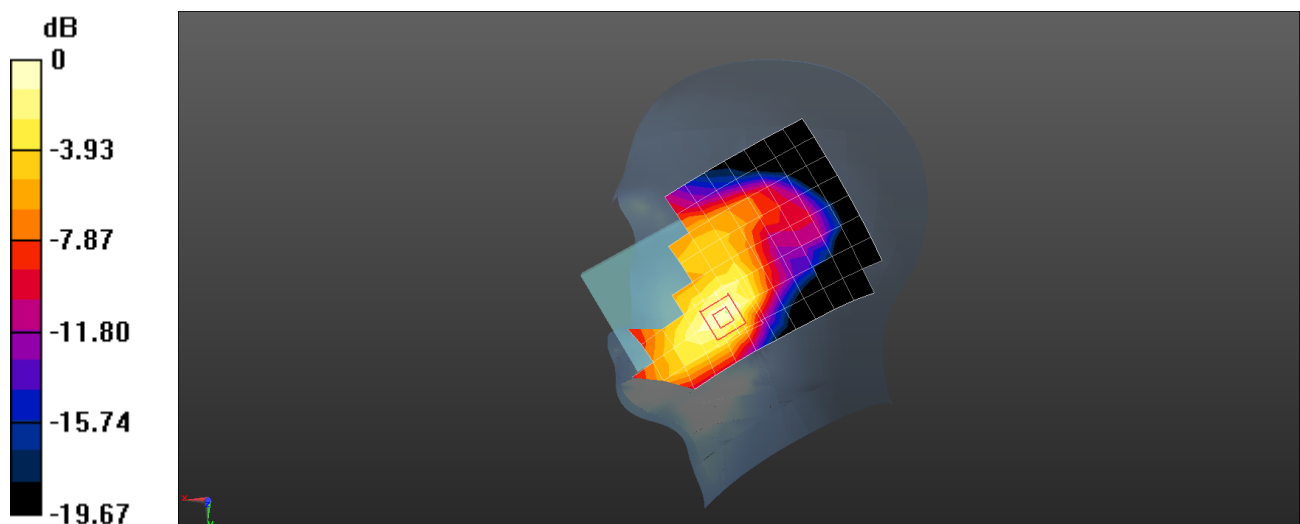
**Configuration/Head/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 3.161 V/m; Power Drift = 0.12 dB

Peak SAR (extrapolated) = 0.154 W/kg

**SAR(1 g) = 0.102 W/kg; SAR(10 g) = 0.063 W/kg**

Maximum value of SAR (measured) = 0.118 W/kg



0 dB = 0.118 W/kg = -9.28 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

### VOG-L29 GSM1900 GSM 661CH Back Side 15mm-Second Antenna

**DUT: VOG-L29; 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;  $\sigma = 1.494$  S/m;  $\epsilon_r = 52.049$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN7505; ConvF(7.87, 7.87, 7.87) @ 1880 MHz; Calibrated: 2018-06-12
- Sensor-Surface: 1.4mm (Mechanical Surface Detection),  $z = 1.0, 31.0$
- Electronics: DAE4 Sn1492; Calibrated: 2018-11-14
- Phantom: SAM2; Type: SAM; Serial: 1474
- DASY52 52.10.1(1476); SEMCAD X 14.6.11(7439)

**Configuration/Body/Area Scan (9x15x1):** Measurement grid:  $dx=15$ mm,  $dy=15$ mm

Maximum value of SAR (measured) = 0.0906 W/kg

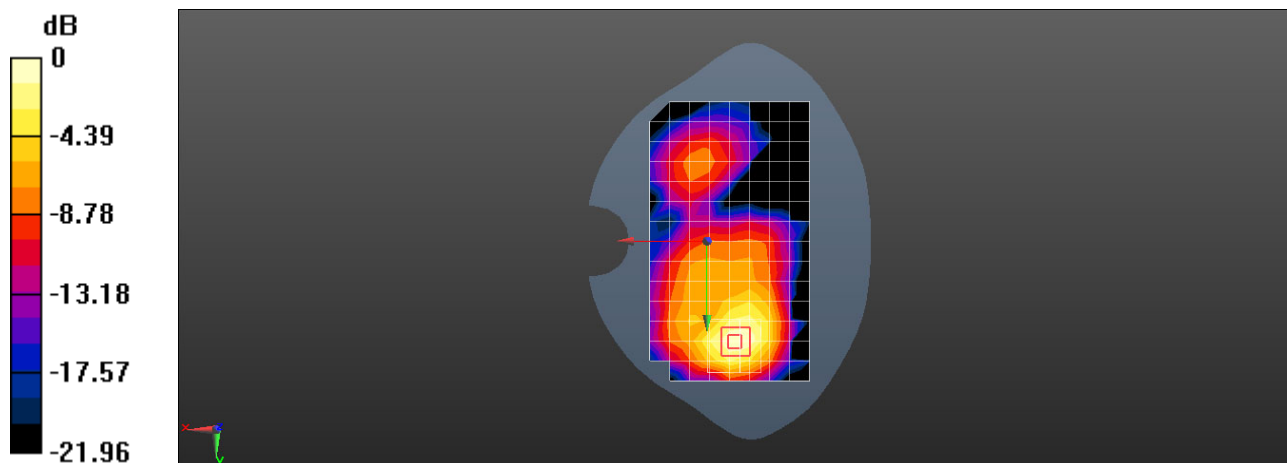
**Configuration/Body/Zoom Scan (6x6x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 3.327 V/m; Power Drift = -0.11 dB

Peak SAR (extrapolated) = 0.0980 W/kg

**SAR(1 g) = 0.076 W/kg; SAR(10 g) = 0.048 W/kg**

Maximum value of SAR (measured) = 0.0910 W/kg



0 dB = 0.0910 W/kg = -10.41 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

## VOG-L29 GSM1900 GSM 512CH Back Side 15mm -Main Antenna

**DUT: VOG-L29; 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;  $\sigma = 1.472$  S/m;  $\epsilon_r = 52.083$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN7505; ConvF(7.87, 7.87, 7.87) @ 1850.2 MHz; Calibrated: 2018-6-12
- Sensor-Surface: 1.4mm (Mechanical Surface Detection),  $z = 1.0, 31.0$
- Electronics: DAE4 Sn1492; Calibrated: 2018-11-14
- Phantom: SAM2; Type: SAM; Serial: 1474
- DASY52 52.10.1(1476); SEMCAD X 14.6.11(7439)

**Configuration/Body/Area Scan (9x15x1):** Measurement grid:  $dx=15$ mm,  $dy=15$ mm

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

Maximum value of SAR (measured) = 0.209 W/kg

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

Reference Value = 6.792 V/m; Power Drift = -0.14 dB

Peak SAR (extrapolated) = 0.219 W/kg

**SAR(1 g) = 0.159 W/kg; SAR(10 g) = 0.105 W/kg**

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

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

**Configuration/Body/Zoom Scan (6x7x7)/Cube 1:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

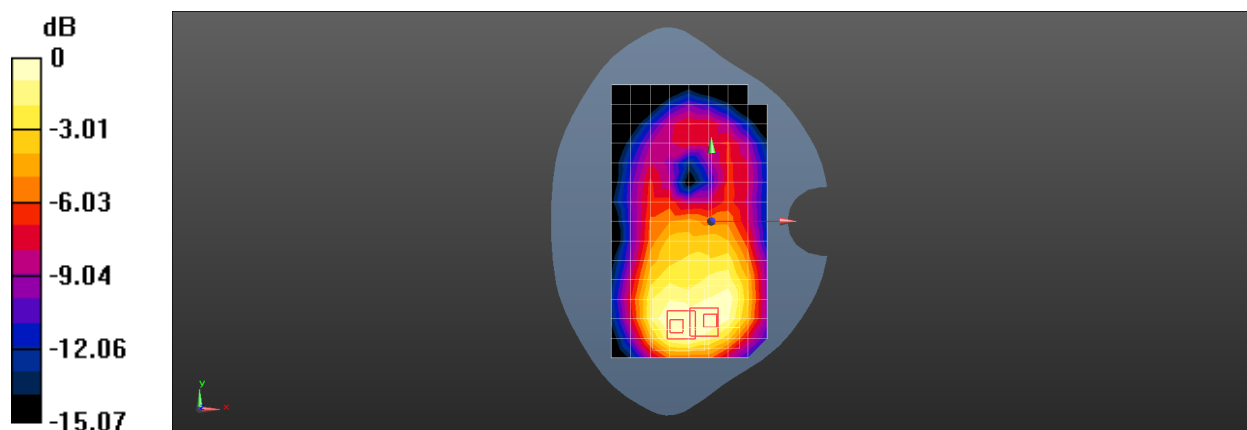
Reference Value = 6.792 V/m; Power Drift = -0.14 dB

Peak SAR (extrapolated) = 0.195 W/kg

**SAR(1 g) = 0.148 W/kg; SAR(10 g) = 0.102 W/kg**

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

Maximum value of SAR (measured) = 0.184 W/kg



0 dB = 0.184 W/kg = -7.36 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

## VOG-L29 GSM1900 GPRS 2TS 512CH Top Side 10mm-Second Antenna

**DUT: VOG-L29; Type: Smart Phone; Serial: SAR1**

Communication System: UID 0, HW-GSM\GPRS\EGPRS-2TS (0); Frequency: 1850.2 MHz; Duty Cycle: 1:4.10015

Medium parameters used (interpolated):  $f = 1850.2$  MHz;  $\sigma = 1.472$  S/m;  $\epsilon_r = 52.083$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN7505; ConvF(7.87, 7.87, 7.87) @ 1850.2 MHz; Calibrated: 2018-6-12
- Sensor-Surface: 1.4mm (Mechanical Surface Detection),  $z = 1.0, 31.0$
- Electronics: DAE4 Sn1492; Calibrated: 2018-11-14
- Phantom: SAM2; Type: SAM; Serial: 1474
- DASY52 52.10.1(1476); SEMCAD X 14.6.11(7439)

**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) = 0.431 W/kg

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

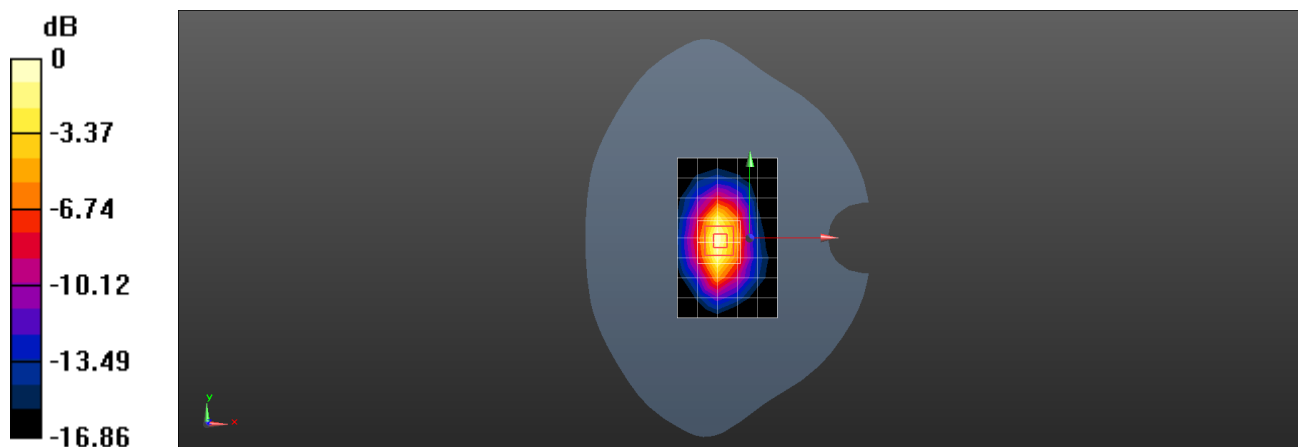
Reference Value = 16.25 V/m; Power Drift = 0.09 dB

Peak SAR (extrapolated) = 0.496 W/kg

**SAR(1 g) = 0.308 W/kg; SAR(10 g) = 0.169 W/kg**

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

Maximum value of SAR (measured) = 0.438 W/kg



0 dB = 0.438 W/kg = -3.58 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

## VOG-L29 GSM1900 GPRS 2TS 661CH Bottom Side 10mm-Main Antenna

**DUT: VOG-L29; Type: Smart Phone; Serial: SAR1**

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

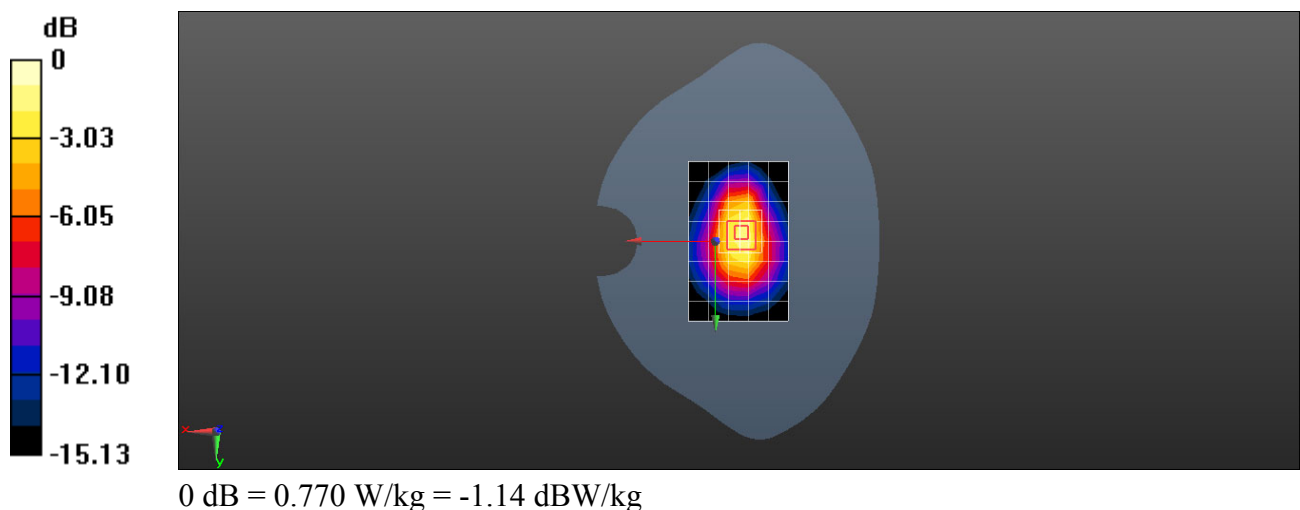
Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.494$  S/m;  $\epsilon_r = 52.049$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN7505; ConvF(7.87, 7.87, 7.87) @ 1880 MHz; Calibrated: 2018-6-12
- Sensor-Surface: 1.4mm (Mechanical Surface Detection),  $z = 1.0, 31.0$
- Electronics: DAE4 Sn1492; Calibrated: 2018-11-14
- Phantom: SAM2; Type: SAM; Serial: 1474
- DASY52 52.10.1(1476); SEMCAD X 14.6.11(7439)

**Configuration/Body/Area Scan (6x9x1):** Measurement grid:  $dx=15$ mm,  $dy=15$ mm  
Maximum value of SAR (measured) = 0.613 W/kg

**Configuration/Body/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm  
Reference Value = 22.98 V/m; Power Drift = 0.02 dB  
Peak SAR (extrapolated) = 0.861 W/kg  
**SAR(1 g) = 0.552 W/kg; SAR(10 g) = 0.322 W/kg**  
Maximum value of SAR (measured) = 0.770 W/kg



Test Laboratory: HUAWEI SAR/HAC Lab

## VOG-L04 UMTS Band II 9538CH Right Tilt with Battery2-Second Antenna

**DUT: VOG-L04; Type: Smart Phone; Serial: SAR2**

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

Medium parameters used:  $f = 1908$  MHz;  $\sigma = 1.464$  S/m;  $\epsilon_r = 39.198$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Right Section

DASY Configuration:

- Probe: ES3DV3 - SN3168; ConvF(5.2, 5.2, 5.2) @ 1907.6 MHz; Calibrated: 2018-9-27
- Sensor-Surface: 3mm (Mechanical Surface Detection),  $z = 2.0, 32.0$
- Electronics: DAE4 Sn1235; Calibrated: 2018-11-14
- Phantom: SAM3; Type: SAM; Serial: 1597
- DASY52 52.10.1(1476); SEMCAD X 14.6.11(7439)

**Configuration/Head/Area Scan (9x15x1):** Measurement grid:  $dx=15$ mm,  $dy=15$ mm

Maximum value of SAR (measured) = 0.415 W/kg

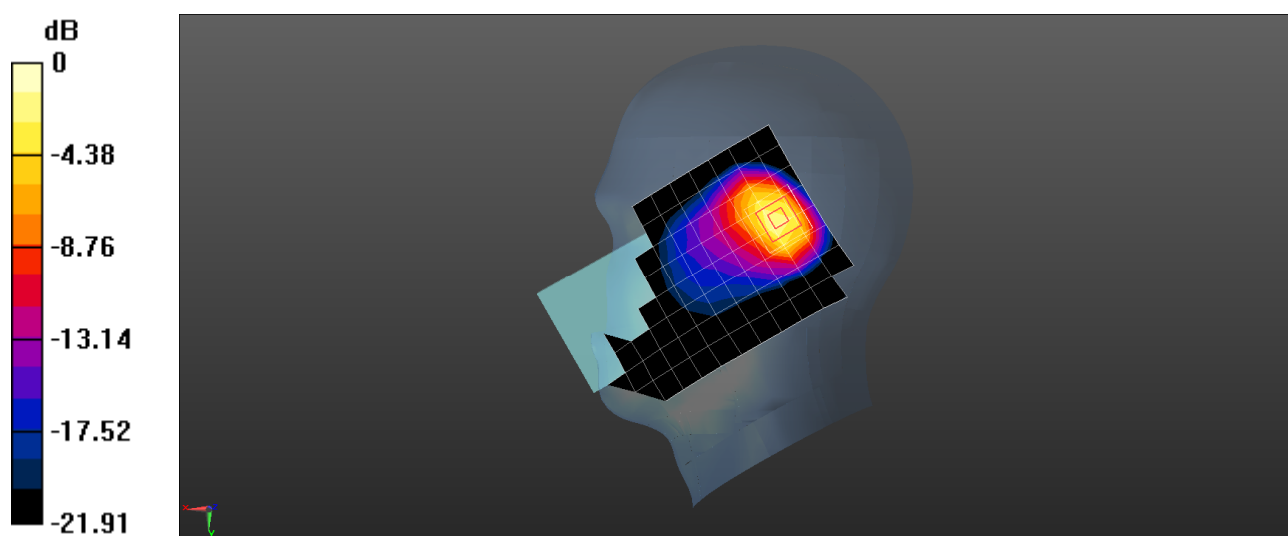
**Configuration/Head/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 10.15 V/m; Power Drift = 0.05 dB

Peak SAR (extrapolated) = 0.833 W/kg

**SAR(1 g) = 0.443 W/kg; SAR(10 g) = 0.212 W/kg**

Maximum value of SAR (measured) = 0.586 W/kg



0 dB = 0.586 W/kg = -2.32 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

## VOG-L29 UMTS Band II 9538CH Right Cheek with Battery2-Main Antenna

**DUT: VOG-L29; Type: Smart Phone; Serial: SAR2**

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

Medium parameters used:  $f = 1908$  MHz;  $\sigma = 1.428$  S/m;  $\epsilon_r = 41.517$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Right Section

DASY Configuration:

- Probe: ES3DV3 - SN3168; ConvF(5.2, 5.2, 5.2) @ 1907.6 MHz; Calibrated: 2018-9-27
- Sensor-Surface: 3mm (Mechanical Surface Detection),  $z = 2.0, 32.0$
- Electronics: DAE4 Sn1235; Calibrated: 2018-11-14
- Phantom: SAM3; Type: SAM; Serial: 1597
- DASY52 52.10.1(1476); SEMCAD X 14.6.11(7439)

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

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

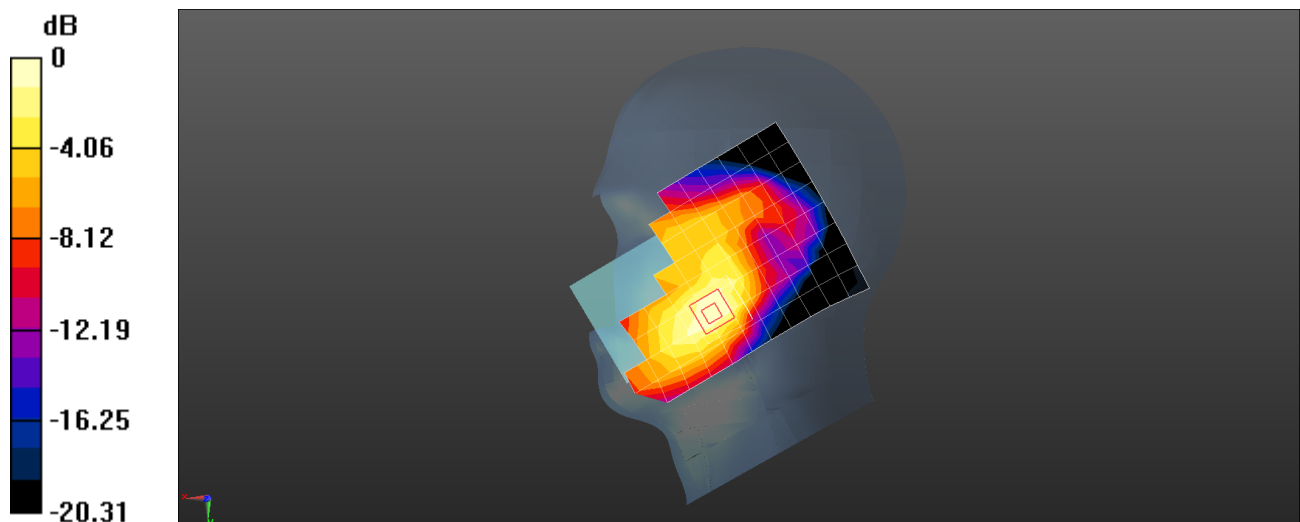
**Configuration/Head/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 13.34 V/m; Power Drift = -0.08 dB

Peak SAR (extrapolated) = 0.304 W/kg

**SAR(1 g) = 0.200 W/kg; SAR(10 g) = 0.125 W/kg**

Maximum value of SAR (measured) = 0.235 W/kg



0 dB = 0.235 W/kg = -6.29 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

## VOG-L29 UMTS Band II 9262CH Back Side 15mm With SIM2-Second Antenna

**DUT: VOG-L04; 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;  $\sigma = 1.474$  S/m;  $\epsilon_r = 52.082$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN7505; ConvF(7.87, 7.87, 7.87) @ 1852.4 MHz; Calibrated: 2018-6-12
- Sensor-Surface: 1.4mm (Mechanical Surface Detection),  $z = 1.0, 31.0$
- Electronics: DAE4 Sn1492; Calibrated: 2018-11-14
- Phantom: SAM2; Type: SAM; Serial: 1474
- DASY52 52.10.1(1476); SEMCAD X 14.6.11(7439)

**Configuration/Body/Area Scan (9x15x1):** Measurement grid:  $dx=15$ mm,  $dy=15$ mm

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

Maximum value of SAR (measured) = 0.161 W/kg

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

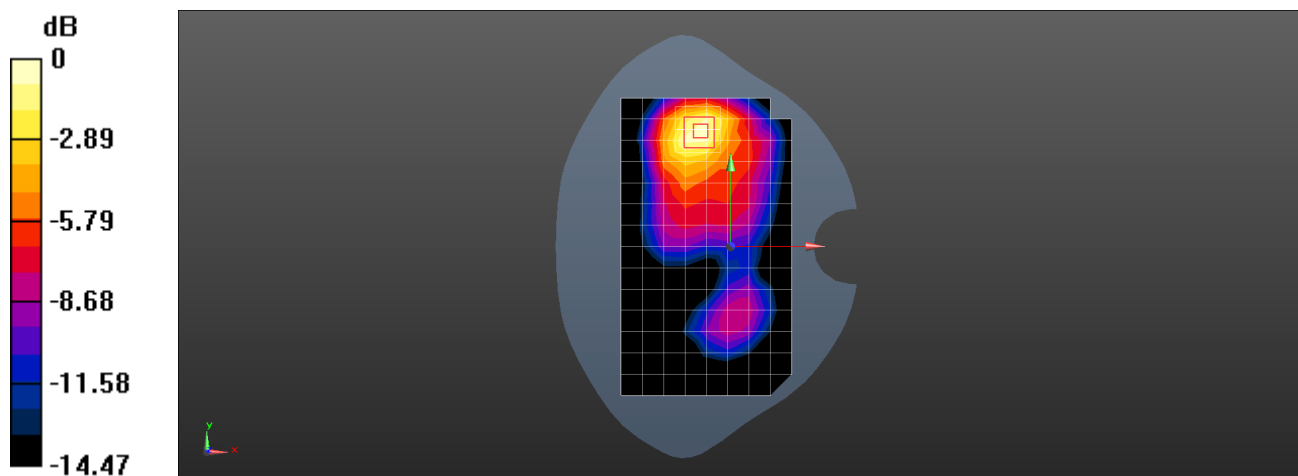
Reference Value = 3.846 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 0.196 W/kg

**SAR(1 g) = 0.152 W/kg; SAR(10 g) = 0.097 W/kg**

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

Maximum value of SAR (measured) = 0.186 W/kg



0 dB = 0.186 W/kg = -7.30 dBW/kg



Test Laboratory: HUAWEI SAR/HAC Lab

## VOG-L04 UMTS Band II 9538CH Back Side 15mm With Battery2-Main Antenna

**DUT: VOG-L04; Type: Smart Phone; Serial: SAR1**

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

Medium parameters used:  $f = 1908$  MHz;  $\sigma = 1.487$  S/m;  $\epsilon_r = 50.739$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN7505; ConvF(7.87, 7.87, 7.87) @ 1907.6 MHz; Calibrated: 2018-6-12
- Sensor-Surface: 1.4mm (Mechanical Surface Detection),  $z = -19.0, 31.0$
- Electronics: DAE4 Sn1492; Calibrated: 2018-11-14
- Phantom: SAM2; Type: SAM; Serial: 1474
- DASY52 52.10.1(1476); SEMCAD X 14.6.11(7439)

**Configuration/Body/Area Scan (9x15x1):** Measurement grid:  $dx=15$ mm,  $dy=15$ mm

Maximum value of SAR (measured) = 0.488 W/kg

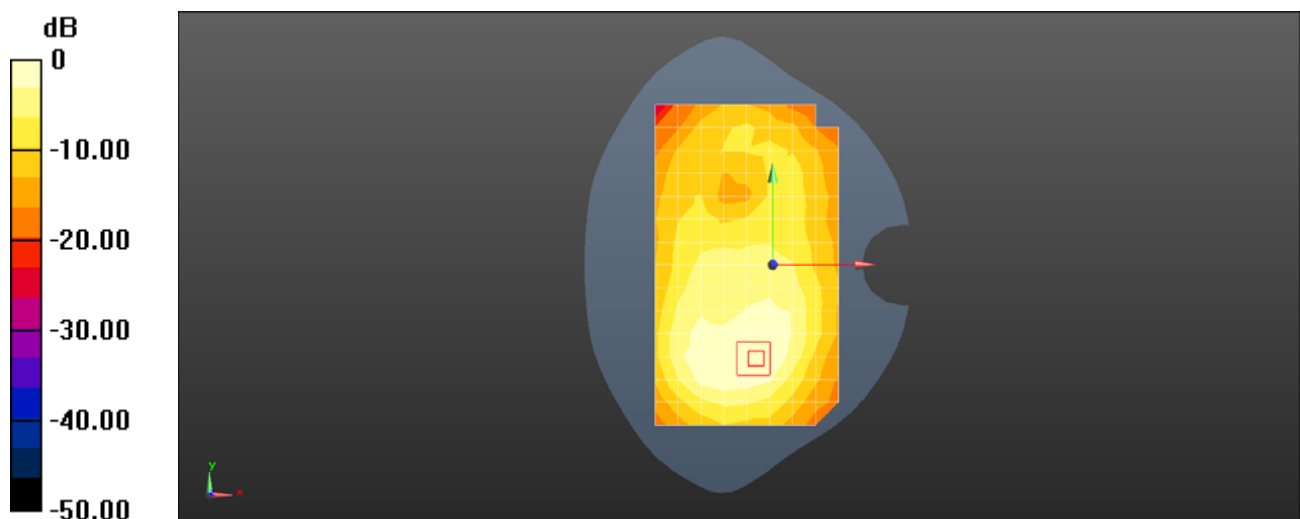
**Configuration/Body/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 10.40 V/m; Power Drift = -0.06 dB

Peak SAR (extrapolated) = 0.513 W/kg

**SAR(1 g) = 0.389 W/kg; SAR(10 g) = 0.259 W/kg**

Maximum value of SAR (measured) = 0.480 W/kg



0 dB = 0.488 W/kg = -3.11 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

## VOG-L29 UMTS Band II 9400CH Top Side 10mm-Second Antenna

**DUT: VOG-L29; 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;  $\sigma = 1.494$  S/m;  $\epsilon_r = 52.049$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN7505; ConvF(7.87, 7.87, 7.87) @ 1880 MHz; Calibrated: 2018-6-12
- Sensor-Surface: 1.4mm (Mechanical Surface Detection),  $z = 1.0, 31.0$
- Electronics: DAE4 Sn1492; Calibrated: 2018-11-14
- Phantom: SAM2; Type: SAM; Serial: 1474
- DASY52 52.10.1(1476); SEMCAD X 14.6.11(7439)

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

Maximum value of SAR (measured) = 0.571 W/kg

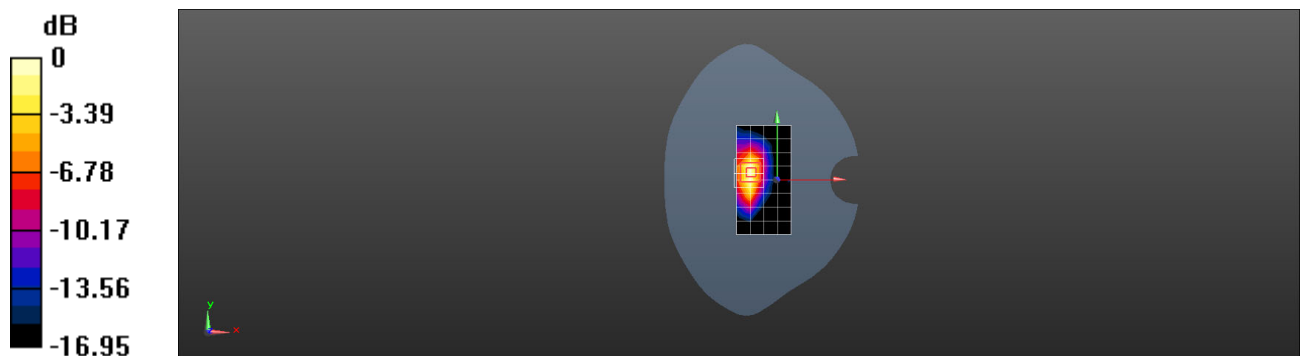
**Configuration/Body/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 8.794 V/m; Power Drift = 0.10 dB

Peak SAR (extrapolated) = 0.703 W/kg

**SAR(1 g) = 0.437 W/kg; SAR(10 g) = 0.240 W/kg**

Maximum value of SAR (measured) = 0.592 W/kg



0 dB = 0.592 W/kg = -2.28 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

## VOG-L29 UMTS Band II 9262CH Bottom Side 10mm With SIM2-Main Antenna

**DUT: VOG-L29; 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;  $\sigma = 1.474$  S/m;  $\epsilon_r = 52.082$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN7505; ConvF(7.87, 7.87, 7.87) @ 1852.4 MHz; Calibrated: 2018-6-12
- Sensor-Surface: 1.4mm (Mechanical Surface Detection),  $z = 1.0, 31.0$
- Electronics: DAE4 Sn1492; Calibrated: 2018-11-14
- Phantom: SAM2; Type: SAM; Serial: 1474
- DASY52 52.10.1(1476); SEMCAD X 14.6.11(7439)

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

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

Maximum value of SAR (measured) = 0.737 W/kg

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

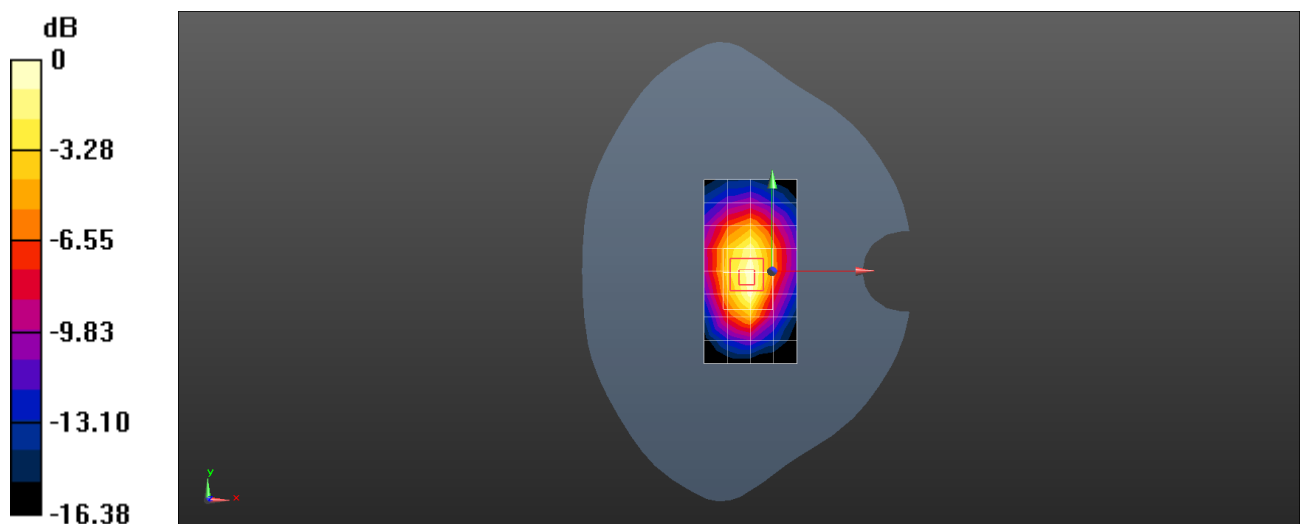
Reference Value = 24.06 V/m; Power Drift = -0.06 dB

Peak SAR (extrapolated) = 0.876 W/kg

**SAR(1 g) = 0.565 W/kg; SAR(10 g) = 0.329 W/kg**

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

Maximum value of SAR (measured) = 0.772 W/kg



0 dB = 0.772 W/kg = -1.12 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

## VOG-L04 UMTS Band II 9400CH Bottom Side 0mm with Battery2-Main Antenna

**DUT: VOG-L04; 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;  $\sigma = 1.475$  S/m;  $\epsilon_r = 50.74$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN7505; ConvF(7.87, 7.87, 7.87) @ 1880 MHz; Calibrated: 2018-6-12
- Sensor-Surface: 1.4mm (Mechanical Surface Detection),  $z = 1.0, 31.0$
- Electronics: DAE4 Sn1492; Calibrated: 2018-11-14
- Phantom: SAM2; Type: SAM; Serial: 1474
- DASY52 52.10.1(1476); SEMCAD X 14.6.11(7439)

**Configuration/Body/Area Scan (5x9x1):** Measurement grid:  $dx=15$ mm,  $dy=15$ mm  
Maximum value of SAR (measured) = 9.30 W/kg

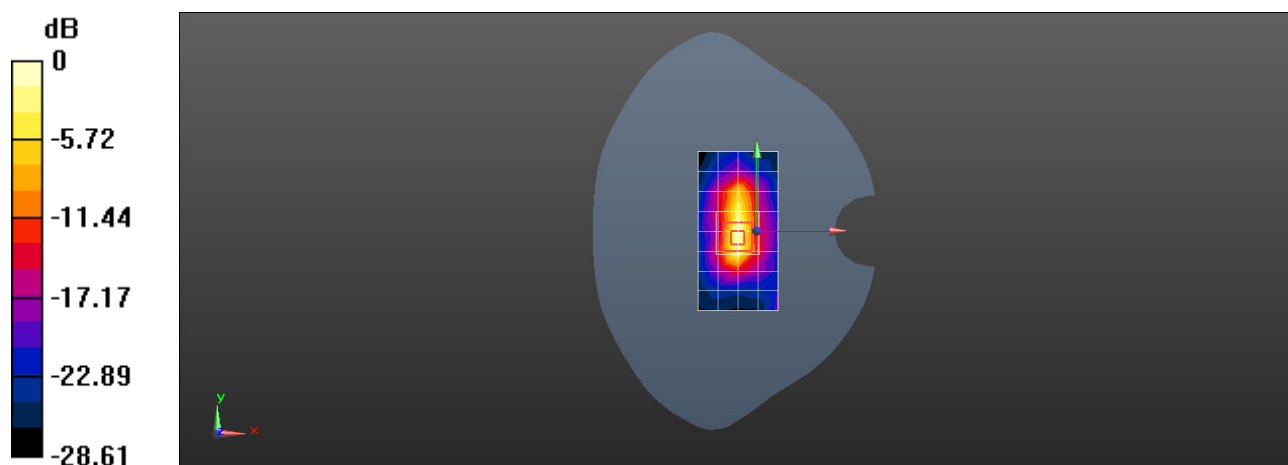
**Configuration/Body/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 69.64 V/m; Power Drift = -0.19 dB

Peak SAR (extrapolated) = 10.4 W/kg

**SAR(1 g) = 4.86 W/kg; SAR(10 g) = 2.04 W/kg**

Maximum value of SAR (measured) = 9.19 W/kg



0 dB = 9.30 W/kg = 9.68 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

## VOG-L04 UMTS Band IV 1312CH Right Tilt-Second Antenna

**DUT: VOG-L04; Type: Smart Phone; Serial: SAR5**

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;  $\sigma = 1.347$  S/m;  $\epsilon_r = 38.832$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Right Section

DASY Configuration:

- Probe: EX3DV4 - SN3743; ConvF(8.36, 8.36, 8.36) @ 1712.4 MHz; Calibrated: 2018-11-19
- Sensor-Surface: 1.4mm (Mechanical Surface Detection),  $z = 1.0, 31.0$
- Electronics: DAE4 Sn1554; Calibrated: 2018-6-5
- Phantom: SAM8; Type: SAM; Serial: 1940
- DASY52 52.10.1(1476); SEMCAD X 14.6.11(7439)

**Configuration/Head/Area Scan (9x15x1):** Measurement grid:  $dx=15$ mm,  $dy=15$ mm

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

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

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

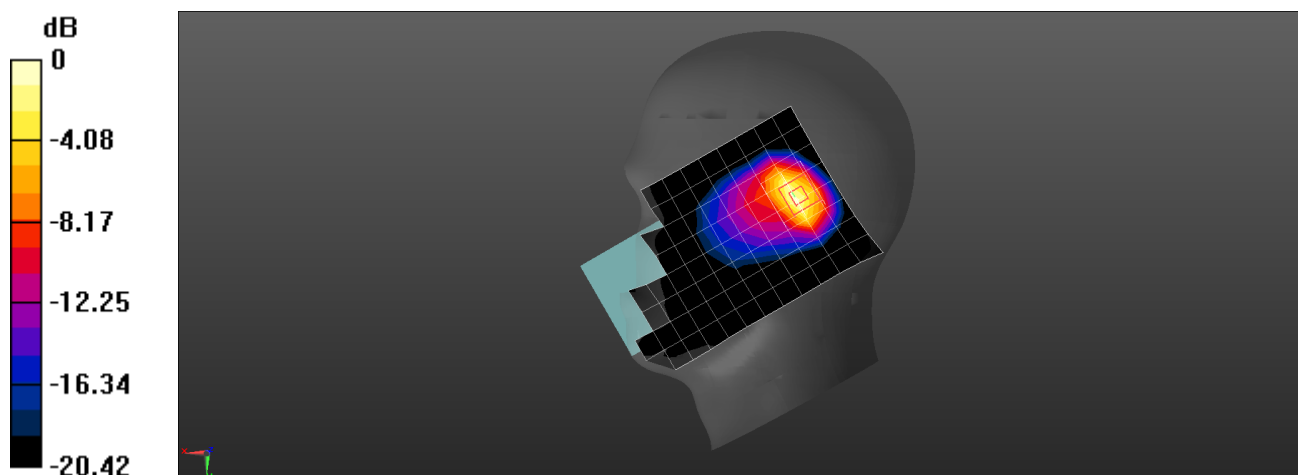
Reference Value = 10.44 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 0.939 W/kg

**SAR(1 g) = 0.452 W/kg; SAR(10 g) = 0.212 W/kg**

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

Maximum value of SAR (measured) = 0.737 W/kg



0 dB = 0.737 W/kg = -1.33 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

## VOG-L04 UMTS Band IV 1413CH Left Cheek-Main Antenna

**DUT: VOG-L04; Type: Smart Phone; Serial: SAR5**

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

Medium parameters used:  $f = 1733$  MHz;  $\sigma = 1.36$  S/m;  $\epsilon_r = 38.815$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Left Section

DASY Configuration:

- Probe: EX3DV4 - SN3743; ConvF(8.36, 8.36, 8.36) @ 1732.6 MHz; Calibrated: 2018-11-19
- Sensor-Surface: 1.4mm (Mechanical Surface Detection),  $z = 1.0, 31.0$
- Electronics: DAE4 Sn1554; Calibrated: 2018-6-5
- Phantom: SAM8; Type: SAM; Serial: 1940
- DASY52 52.10.1(1476); SEMCAD X 14.6.11(7439)

**Configuration/Head/Area Scan (9x13x1):** Measurement grid:  $dx=15$ mm,  $dy=15$ mm

Maximum value of SAR (measured) = 0.337 W/kg

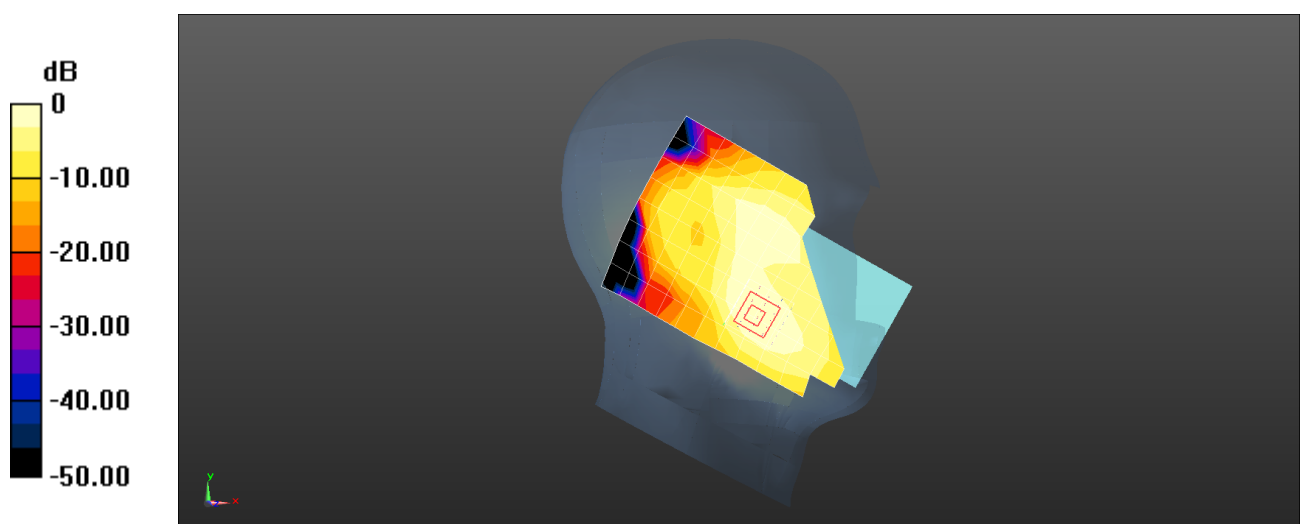
**Configuration/Head/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 5.998 V/m; Power Drift = 0.14 dB

Peak SAR (extrapolated) = 0.460 W/kg

**SAR(1 g) = 0.294 W/kg; SAR(10 g) = 0.187 W/kg**

Maximum value of SAR (measured) = 0.397 W/kg



0 dB = 0.337 W/kg = -4.73 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

## VOG-L04 UMTS Band IV 1413CH Back Side 15mm-Second Antenna

**DUT: VOG-L04; Type: Smart Phone; Serial: SAR2**

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

Medium parameters used:  $f = 1733$  MHz;  $\sigma = 1.477$  S/m;  $\epsilon_r = 53.233$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY Configuration:

- Probe: ES3DV3 - SN3168; ConvF(5.02, 5.02, 5.02) @ 1732.6 MHz; Calibrated: 2018-9-27
- Sensor-Surface: 3mm (Mechanical Surface Detection),  $z = 2.0, 32.0$
- Electronics: DAE4 Sn1235; Calibrated: 2018-11-14
- Phantom: SAM4; Type: SAM; Serial: 1620
- DASY52 52.10.1(1476); SEMCAD X 14.6.11(7439)

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

Maximum value of SAR (measured) = 0.166 W/kg

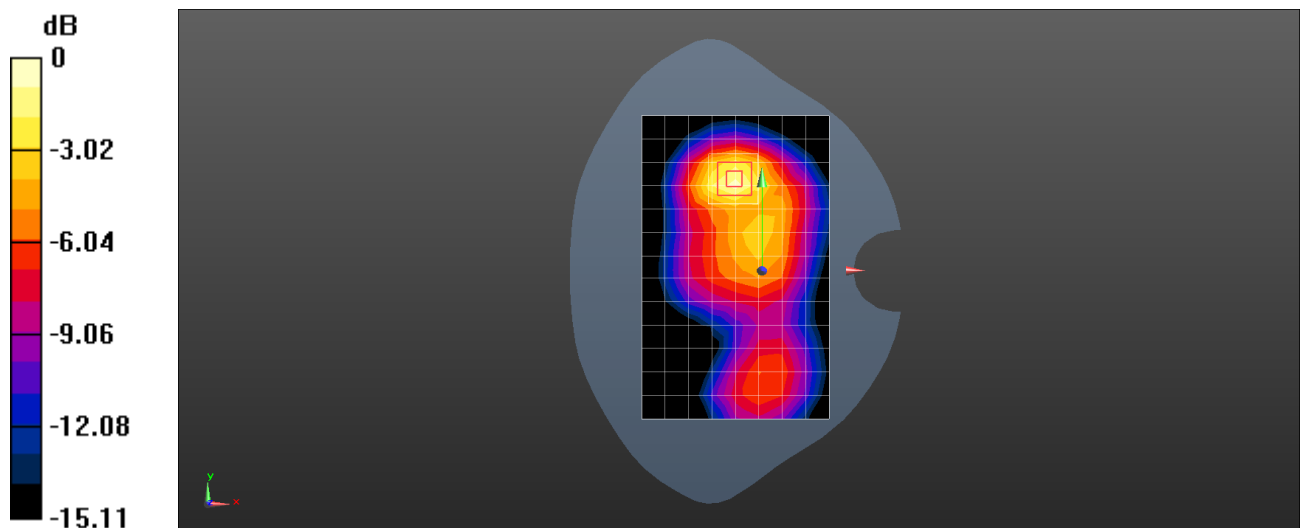
**Configuration/Body/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 11.69 V/m; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 0.228 W/kg

**SAR(1 g) = 0.153 W/kg; SAR(10 g) = 0.091 W/kg**

Maximum value of SAR (measured) = 0.184 W/kg



0 dB = 0.184 W/kg = -7.35 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

## VOG-L29 UMTS Band IV 1513CH Back Side 15mm with Battery2-Main Antenna

**DUT: VOG-L29; Type: Smart Phone; Serial: SAR3**

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

Medium parameters used:  $f = 1753$  MHz;  $\sigma = 1.473$  S/m;  $\epsilon_r = 54.789$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3744; ConvF(7.74, 7.74, 7.74) @ 1752.6 MHz; Calibrated: 2018-7-25
- Sensor-Surface: 1.4mm (Mechanical Surface Detection),  $z = 1.0, 31.0$
- Electronics: DAE4 Sn852; Calibrated: 2018-4-23
- Phantom: SAM5; Type: SAM; Serial: 1892
- DASY52 52.10.1(1476); SEMCAD X 14.6.11(7439)

**Configuration/Body/Area Scan (9x13x1):** Measurement grid:  $dx=15$ mm,  $dy=15$ mm

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

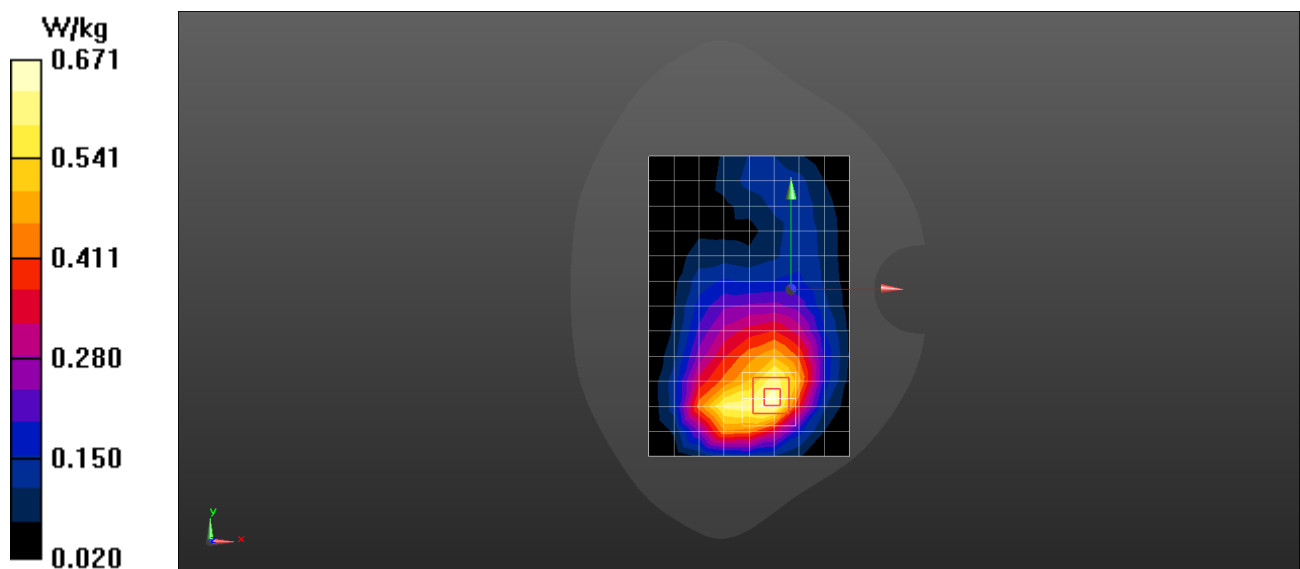
**Configuration/Body/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 11.43 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 0.770 W/kg

**SAR(1 g) = 0.493 W/kg; SAR(10 g) = 0.315 W/kg**

Maximum value of SAR (measured) = 0.671 W/kg





Test Laboratory: HUAWEI SAR/HAC Lab

## VOG-L04 UMTS Band IV 1513CH Top Side 10mm-Second Antenna

**DUT: VOG-L04; Type: Smart Phone; Serial: SAR2**

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

Medium parameters used:  $f = 1753$  MHz;  $\sigma = 1.494$  S/m;  $\epsilon_r = 53.196$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY Configuration:

- Probe: ES3DV3 - SN3168; ConvF(5.02, 5.02, 5.02) @ 1752.6 MHz; Calibrated: 2018-9-27
- Sensor-Surface: 3mm (Mechanical Surface Detection),  $z = 2.0, 32.0$
- Electronics: DAE4 Sn1235; Calibrated: 2018-11-14
- Phantom: SAM4; Type: SAM; Serial: 1620
- DASY52 52.10.1(1476); SEMCAD X 14.6.11(7439)

**Configuration/Body/Area Scan (5x11x1):** Measurement grid:  $dx=15$ mm,  $dy=15$ mm

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

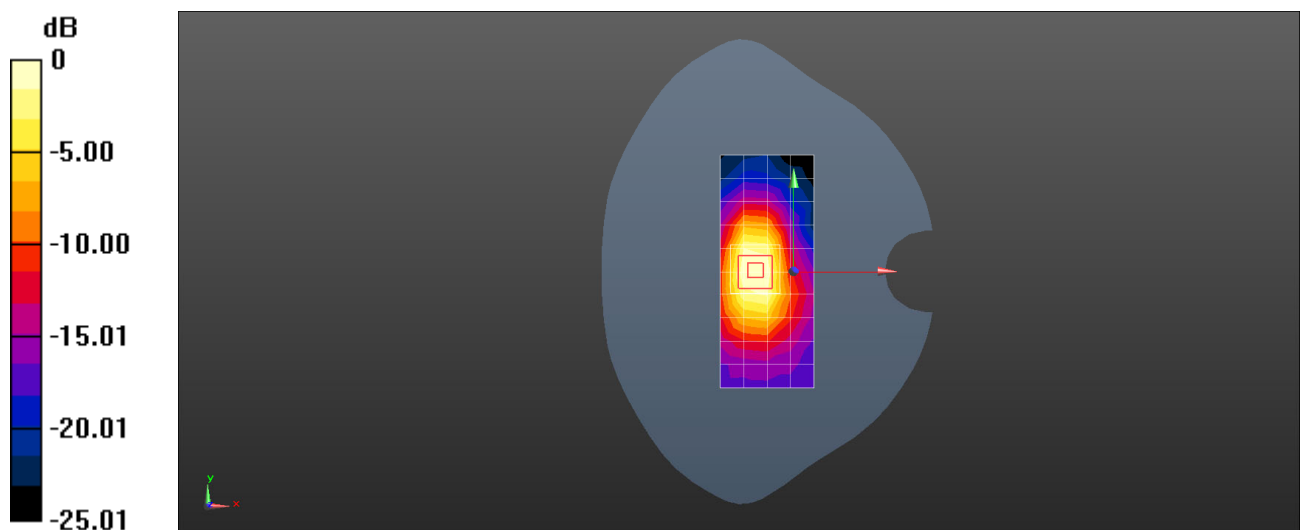
**Configuration/Body/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 12.50 V/m; Power Drift = 0.15 dB

Peak SAR (extrapolated) = 0.441 W/kg

**SAR(1 g) = 0.271 W/kg; SAR(10 g) = 0.144 W/kg**

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



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

Test Laboratory: HUAWEI SAR/HAC Lab

## VOG-L29 UMTS Band IV 1513CH Bottom Side 10mm with Battery2-Main Antenna

**DUT: VOG-L29; Type: Smart Phone; Serial: SAR3**

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

Medium parameters used:  $f = 1753$  MHz;  $\sigma = 1.473$  S/m;  $\epsilon_r = 54.789$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3744; ConvF(7.74, 7.74, 7.74) @ 1752.6 MHz; Calibrated: 2018-7-25
- Sensor-Surface: 1.4mm (Mechanical Surface Detection),  $z = 1.0, 31.0$
- Electronics: DAE4 Sn852; Calibrated: 2018-4-23
- Phantom: SAM5; Type: SAM; Serial: 1892
- DASY52 52.10.1(1476); SEMCAD X 14.6.11(7439)

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

Maximum value of SAR (measured) = 0.713 W/kg

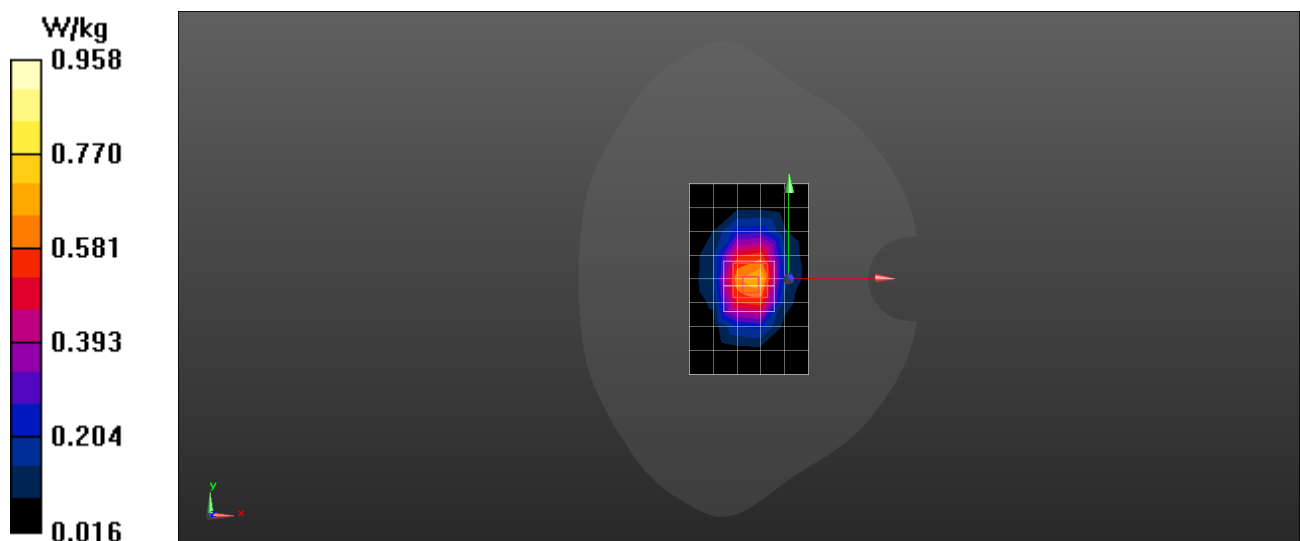
**Configuration/Body/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 26.20 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 1.13 W/kg

**SAR(1 g) = 0.644 W/kg; SAR(10 g) = 0.361 W/kg**

Maximum value of SAR (measured) = 0.958 W/kg



Test Laboratory: HUAWEI SAR/HAC Lab

## VOG-L29 UMTS Band IV 1312CH Bottom Side 0mm with SIM2-Main Antenna

**DUT: VOG-L29; Type: Smart Phone; Serial: SAR3**

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;  $\sigma = 1.448$  S/m;  $\epsilon_r = 54.782$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3744; ConvF(7.74, 7.74, 7.74) @ 1712.4 MHz; Calibrated: 2018-7-25
- Sensor-Surface: 1.4mm (Mechanical Surface Detection),  $z = 1.0, 31.0$
- Electronics: DAE4 Sn852; Calibrated: 2018-4-23
- Phantom: SAM5; Type: SAM; Serial: 1892
- DASY52 52.10.1(1476); SEMCAD X 14.6.11(7439)

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

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

Maximum value of SAR (measured) = 3.30 W/kg

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

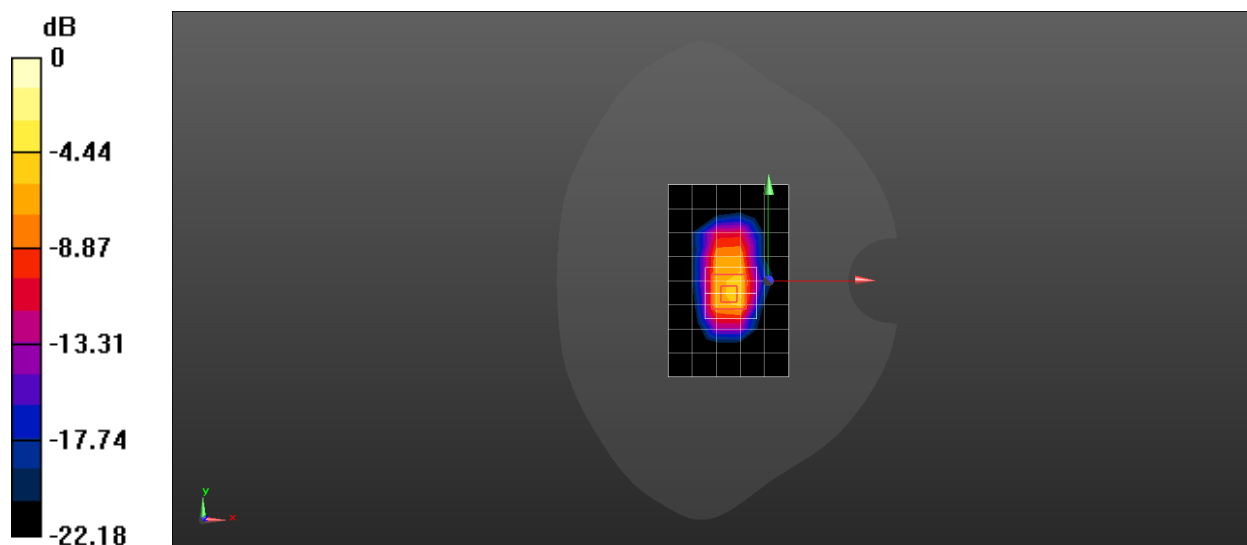
Reference Value = 71.21 V/m; Power Drift = -0.10 dB

Peak SAR (extrapolated) = 12.9 W/kg

**SAR(1 g) = 5.13 W/kg; SAR(10 g) = 2.09 W/kg**

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

Maximum value of SAR (measured) = 10.6 W/kg



0 dB = 10.6 W/kg = 10.25 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

## VOG-L04 UMTS Band V 4182CH Right Tilt-Second Antenna

**DUT: VOG-L04; Type: Smart Phone; Serial: SAR6**

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;  $\sigma = 0.936$  S/m;  $\epsilon_r = 42.274$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Right Section

DASY Configuration:

- Probe: EX3DV4 - SN3736; ConvF(8.86, 8.86, 8.86) @ 836.4 MHz; Calibrated: 2018-4-27
- Sensor-Surface: 1.4mm (Mechanical Surface Detection),  $z = 1.0, 31.0$
- Electronics: DAE4 Sn851; Calibrated: 2018-7-18
- Phantom: SAM9; Type: SAM; Serial: 1958
- DASY52 52.10.1(1476); SEMCAD X 14.6.11(7439)

**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) = 0.735 W/kg

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

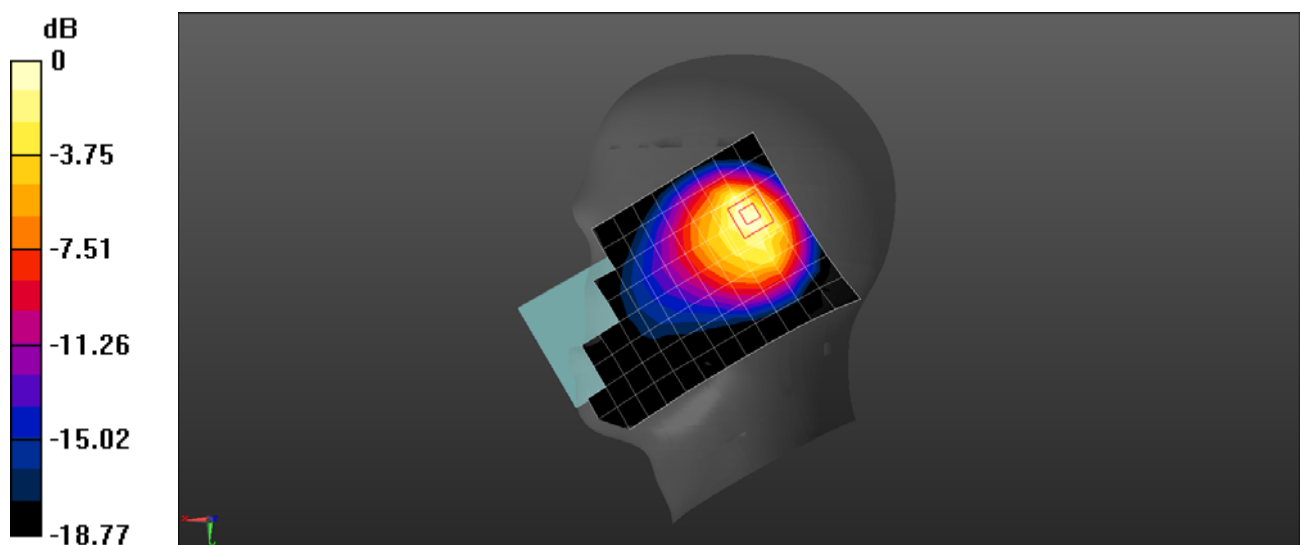
Reference Value = 17.35 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 0.853 W/kg

**SAR(1 g) = 0.346 W/kg; SAR(10 g) = 0.167 W/kg**

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

Maximum value of SAR (measured) = 0.566 W/kg



0 dB = 0.566 W/kg = -2.47 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

## VOG-L04 UMTS Band V 4233CH Right Cheek with Battery2-Main Antenna

**DUT: VOG-L04; Type: Smart Phone; Serial: SAR6**

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

Medium parameters used:  $f = 847$  MHz;  $\sigma = 0.94$  S/m;  $\epsilon_r = 42.253$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Right Section

DASY Configuration:

- Probe: EX3DV4 - SN3736; ConvF(8.86, 8.86, 8.86) @ 846.6 MHz; Calibrated: 2018-4-27
- Sensor-Surface: 1.4mm (Mechanical Surface Detection),  $z = 1.0, 31.0$
- Electronics: DAE4 Sn851; Calibrated: 2018-7-18
- Phantom: SAM9; Type: SAM; Serial: 1958
- DASY52 52.10.1(1476); SEMCAD X 14.6.11(7439)

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

Maximum value of SAR (measured) = 0.180 W/kg

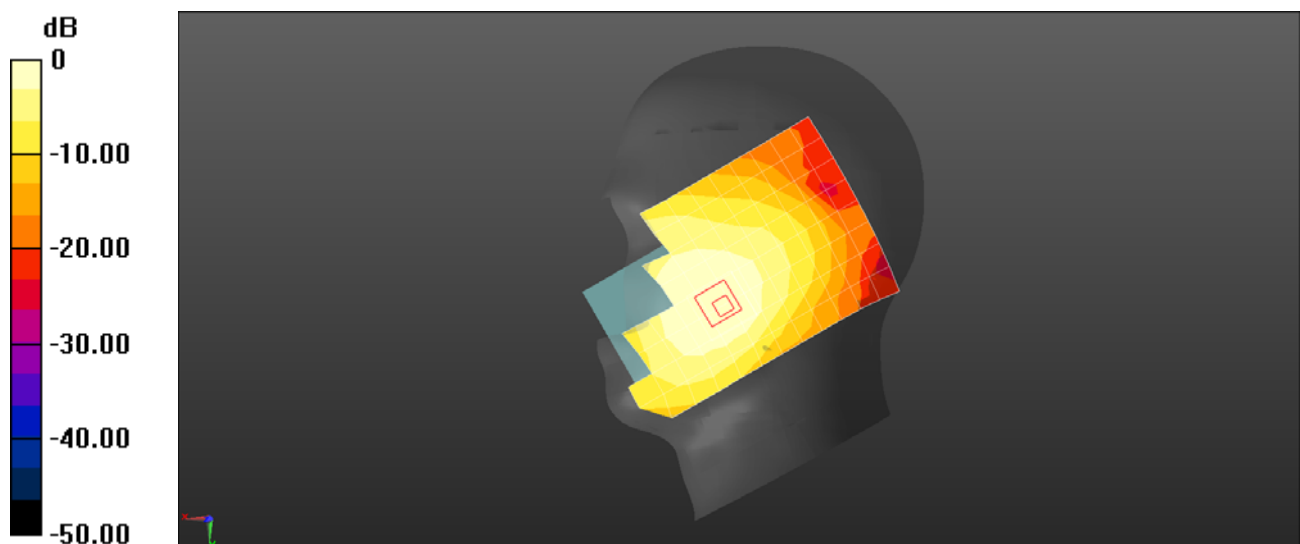
**Configuration/Head/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 5.174 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 0.202 W/kg

**SAR(1 g) = 0.155 W/kg; SAR(10 g) = 0.119 W/kg**

Maximum value of SAR (measured) = 0.183 W/kg



0 dB = 0.180 W/kg = -7.44 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

## VOG-L04 UMTS Band V 4182CH Back Side 15mm-Second Antenna

**DUT: VOG-L04; Type: Smart Phone; Serial: SAR3**

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;  $\sigma = 1.015$  S/m;  $\epsilon_r = 53.868$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3744; ConvF(9.12, 9.12, 9.12) @ 836.4 MHz; Calibrated: 2018-7-25
- Sensor-Surface: 1.4mm (Mechanical Surface Detection),  $z = 1.0, 31.0$
- Electronics: DAE4 Sn852; Calibrated: 2018-4-23
- Phantom: SAM5; Type: SAM; Serial: 1892
- DASY52 52.10.1(1476); SEMCAD X 14.6.11(7439)

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

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

Maximum value of SAR (measured) = 0.311 W/kg

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

Reference Value = 11.03 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 0.357 W/kg

**SAR(1 g) = 0.245 W/kg; SAR(10 g) = 0.166 W/kg**

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

Maximum value of SAR (measured) = 0.317 W/kg

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

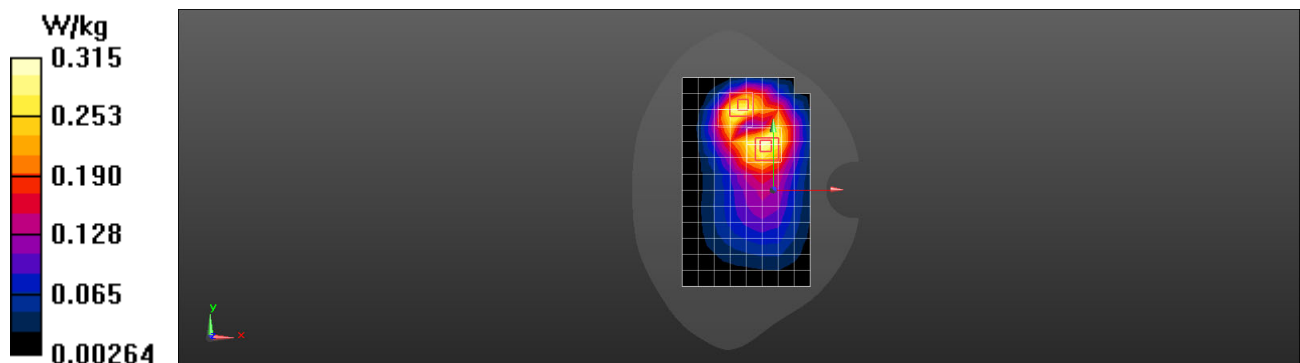
Reference Value = 11.03 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 0.385 W/kg

**SAR(1 g) = 0.229 W/kg; SAR(10 g) = 0.134 W/kg**

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

Maximum value of SAR (measured) = 0.315 W/kg



Test Laboratory: HUAWEI SAR/HAC Lab

## VOG-L29 UMTS Band V 4233CH Back Side 15mm with Battery2-Main Antenna

**DUT: VOG-L29; Type: Smart Phone; Serial: SAR3**

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

Medium parameters used:  $f = 847$  MHz;  $\sigma = 0.965$  S/m;  $\epsilon_r = 56.314$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3744; ConvF(9.12, 9.12, 9.12) @ 846.6 MHz; Calibrated: 2018-7-25
- Sensor-Surface: 1.4mm (Mechanical Surface Detection),  $z = 1.0, 31.0$
- Electronics: DAE4 Sn852; Calibrated: 2018-4-23
- Phantom: SAM5; Type: SAM; Serial: 1892
- DASY52 52.10.1(1476); SEMCAD X 14.6.11(7439)

**Configuration/Body/Area Scan (9x13x1):** Measurement grid:  $dx=15$ mm,  $dy=15$ mm

Maximum value of SAR (measured) = 0.343 W/kg

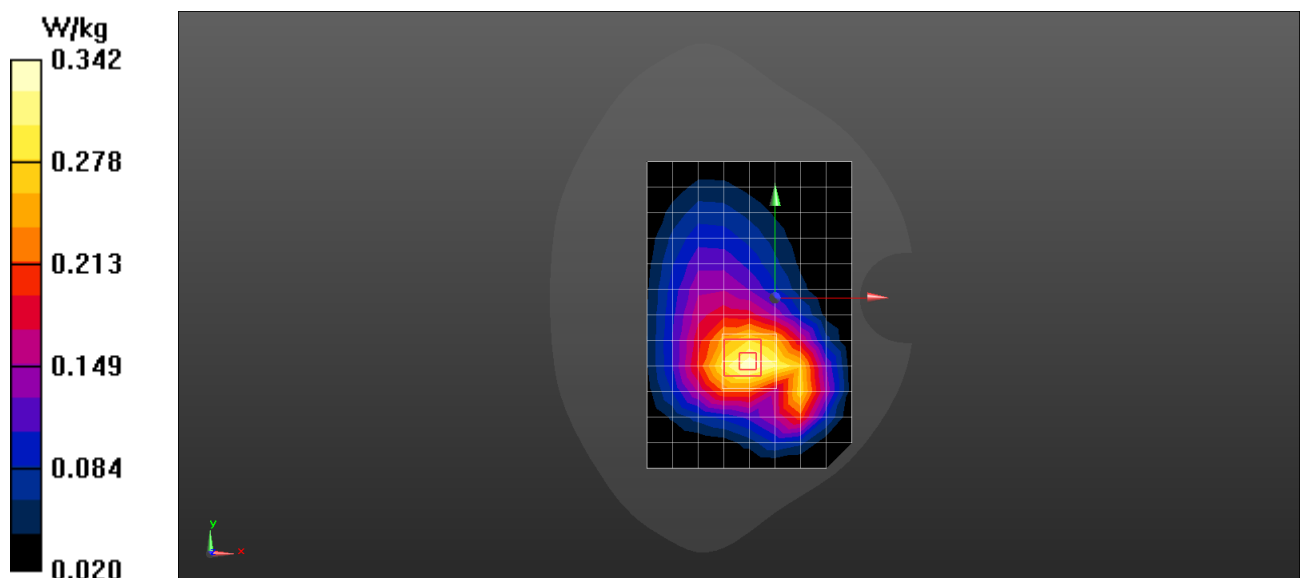
**Configuration/Body/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 13.49 V/m; Power Drift = -0.17 dB

Peak SAR (extrapolated) = 0.382 W/kg

**SAR(1 g) = 0.270 W/kg; SAR(10 g) = 0.190 W/kg**

Maximum value of SAR (measured) = 0.342 W/kg



Test Laboratory: HUAWEI SAR/HAC Lab

## VOG-L04 UMTS Band V 4182CH Back Side 10mm with Battery2-Second Antenna

**DUT: VOG-L04; Type: Smart Phone; Serial: SAR3**

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;  $\sigma = 1.015$  S/m;  $\epsilon_r = 53.868$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3744; ConvF(9.12, 9.12, 9.12) @ 836.4 MHz; Calibrated: 2018-7-25
- Sensor-Surface: 1.4mm (Mechanical Surface Detection),  $z = 1.0, 31.0$
- Electronics: DAE4 Sn852; Calibrated: 2018-4-23
- Phantom: SAM5; Type: SAM; Serial: 1892
- DASY52 52.10.1(1476); SEMCAD X 14.6.11(7439)

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

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

Maximum value of SAR (measured) = 0.692 W/kg

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

Reference Value = 11.44 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 1.02 W/kg

**SAR(1 g) = 0.560 W/kg; SAR(10 g) = 0.309 W/kg**

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

Maximum value of SAR (measured) = 0.847 W/kg

**Configuration/Body/Zoom Scan (6x6x7)/Cube 1:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

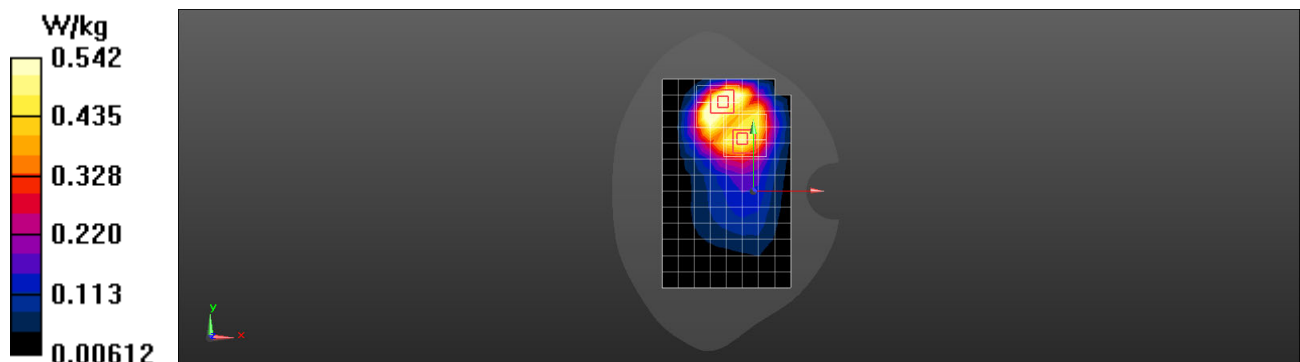
Reference Value = 11.44 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 0.658 W/kg

**SAR(1 g) = 0.421 W/kg; SAR(10 g) = 0.273 W/kg**

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

Maximum value of SAR (measured) = 0.542 W/kg





Test Laboratory: HUAWEI SAR/HAC Lab

## VOG-L04 UMTS Band V 4182CH Back Side 10mm-Main Antenna

**DUT: VOG-L04; Type: Smart Phone; Serial: SAR3**

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;  $\sigma = 1.015$  S/m;  $\epsilon_r = 53.868$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3744; ConvF(9.12, 9.12, 9.12) @ 836.4 MHz; Calibrated: 2018-7-25
- Sensor-Surface: 1.4mm (Mechanical Surface Detection),  $z = 1.0, 31.0$
- Electronics: DAE4 Sn852; Calibrated: 2018-4-23
- Phantom: SAM5; Type: SAM; Serial: 1892
- DASY52 52.10.1(1476); SEMCAD X 14.6.11(7439)

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

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

Maximum value of SAR (measured) = 0.629 W/kg

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

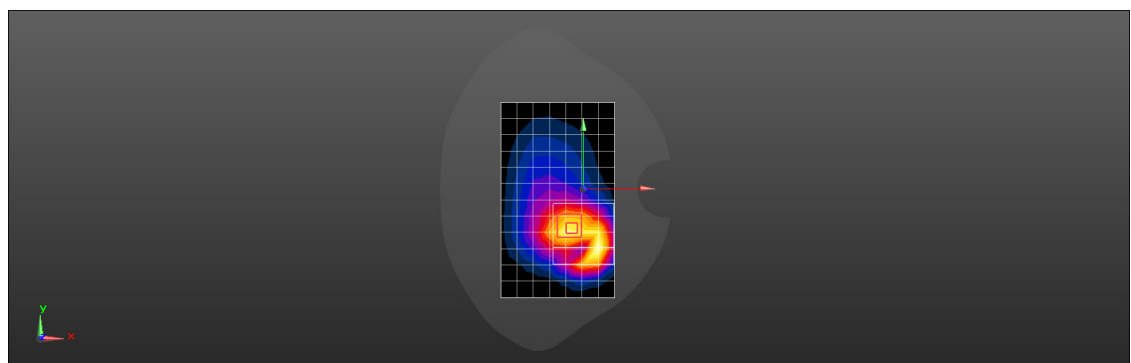
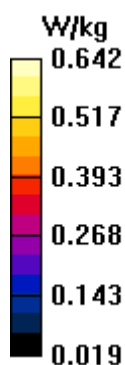
Reference Value = 15.36 V/m; Power Drift = -0.19 dB

Peak SAR (extrapolated) = 0.779 W/kg

**SAR(1 g) = 0.464 W/kg; SAR(10 g) = 0.312 W/kg**

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

Maximum value of SAR (measured) = 0.642 W/kg



Test Laboratory: HUAWEI SAR/HAC Lab

## VOG-L04 LTE Band 2 20M QPSK 1RB 50 Offset 19100CH Right Tilt-Second Antenna

**DUT: VOG-L04; Type: Smart Phone; Serial: SAR2**

Communication System: UID 0, LTE-FDD (SC-FDMA, 20MHz, QPSK/16-QAM) (0); Frequency: 1900 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 1900$  MHz;  $\sigma = 1.454$  S/m;  $\epsilon_r = 40.156$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Right Section

DASY Configuration:

- Probe: ES3DV3 - SN3168; ConvF(5.2, 5.2, 5.2) @ 1900 MHz; Calibrated: 2018-9-27
- Sensor-Surface: 3mm (Mechanical Surface Detection),  $z = 2.0, 32.0$
- Electronics: DAE4 Sn1235; Calibrated: 2018-11-14
- Phantom: SAM3; Type: SAM; Serial: 1597
- DASY52 52.10.1(1476); SEMCAD X 14.6.11(7439)

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

Maximum value of SAR (measured) = 0.521 W/kg

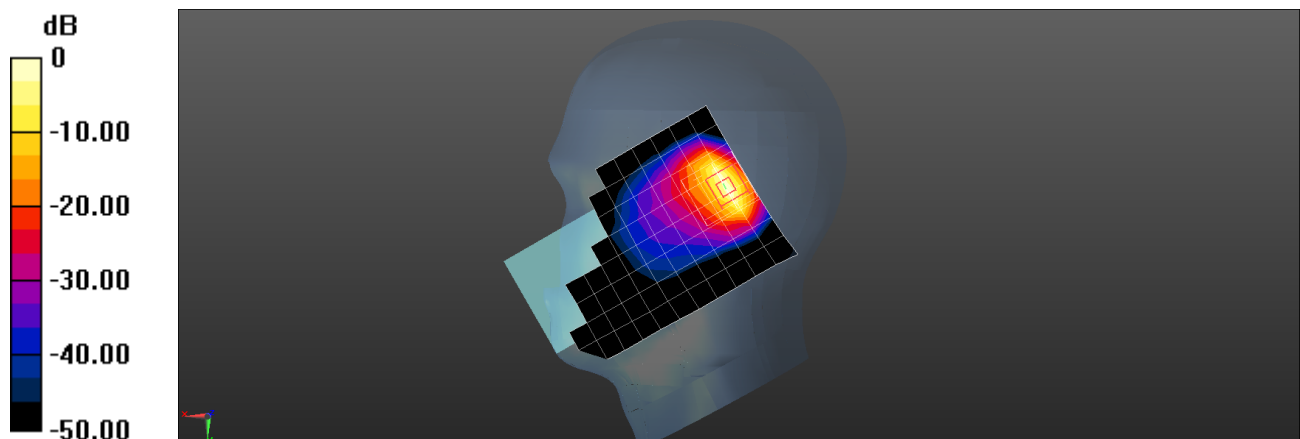
**Configuration/Head/Zoom Scan (6x7x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 1.444 V/m; Power Drift = 0.12 dB

Peak SAR (extrapolated) = 1.32 W/kg

**SAR(1 g) = 0.453 W/kg; SAR(10 g) = 0.148 W/kg**

Maximum value of SAR (measured) = 0.544 W/kg



0 dB = 0.544 W/kg = -2.65 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

## VOG-L04 LTE Band 2 20M QPSK 1RB 99 Offset 18700CH Right Cheek-Main Antenna

**DUT: VOG-L04; 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;  $\sigma = 1.439$  S/m;  $\epsilon_r = 39.283$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Right Section

DASY Configuration:

- Probe: ES3DV3 - SN3168; ConvF(5.2, 5.2, 5.2) @ 1860 MHz; Calibrated: 2018-9-27
- Sensor-Surface: 3mm (Mechanical Surface Detection),  $z = 2.0, 32.0$
- Electronics: DAE4 Sn1235; Calibrated: 2018-11-14
- Phantom: SAM3; Type: SAM; Serial: 1597
- DASY52 52.10.1(1476); SEMCAD X 14.6.11(7439)

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

Maximum value of SAR (measured) = 0.246 W/kg

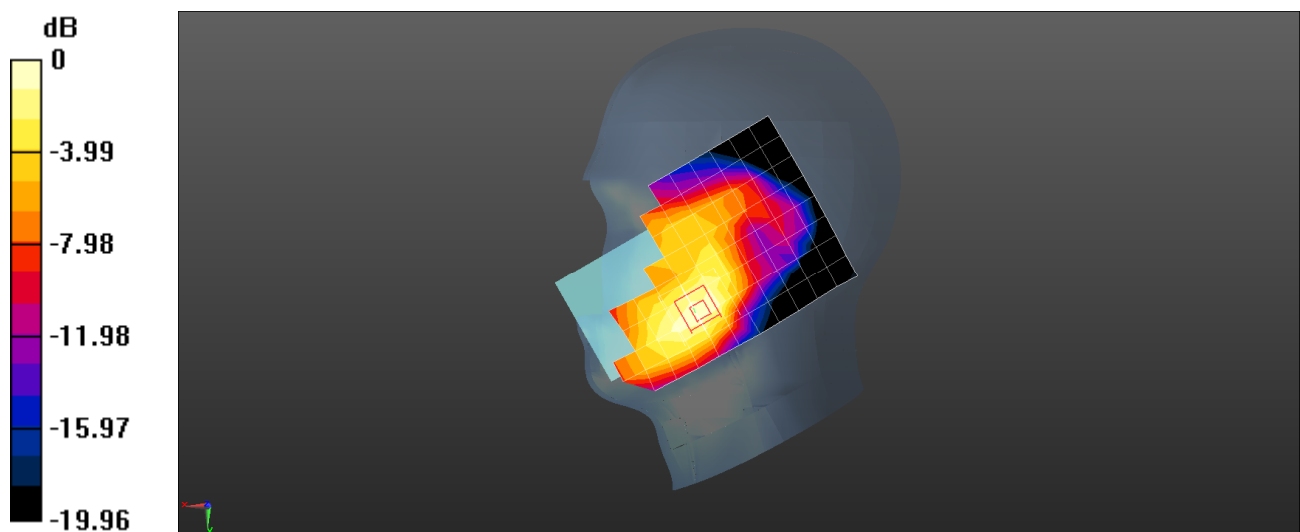
**Configuration/Head/Zoom Scan (5x6x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 13.18 V/m; Power Drift = 0.13 dB

Peak SAR (extrapolated) = 0.311 W/kg

**SAR(1 g) = 0.210 W/kg; SAR(10 g) = 0.131 W/kg**

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



0 dB = 0.242 W/kg = -6.16 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

## VOG-L29 LTE Band 2 20M QPSK 1RB 0 Offset 18700CH Back Side 15mm-Second Antenna

**DUT: VOG-L29; 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;  $\sigma = 1.48$  S/m;  $\epsilon_r = 52.079$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN7505; ConvF(7.87, 7.87, 7.87) @ 1860 MHz; Calibrated: 2018-06-12
- Sensor-Surface: 1.4mm (Mechanical Surface Detection),  $z = 1.0, 31.0$
- Electronics: DAE4 Sn1492; Calibrated: 2018-11-14
- Phantom: SAM2; Type: SAM; Serial: 1474
- DASY52 52.10.1(1476); SEMCAD X 14.6.11(7439)

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

Maximum value of SAR (measured) = 0.139 W/kg

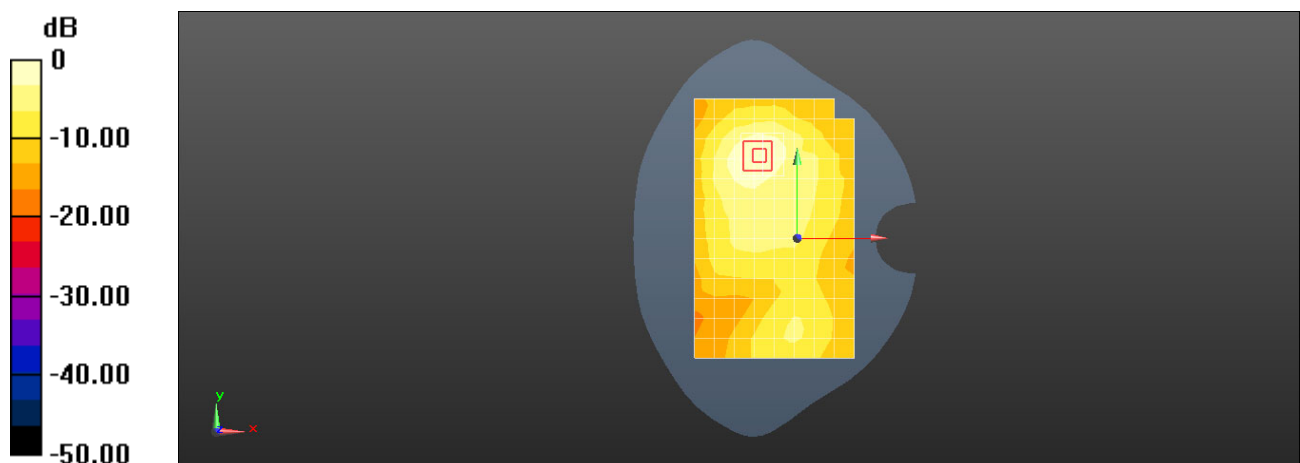
**Configuration/Body/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 5.120 V/m; Power Drift = 0.09 dB

Peak SAR (extrapolated) = 0.149 W/kg

**SAR(1 g) = 0.116 W/kg; SAR(10 g) = 0.077 W/kg**

Maximum value of SAR (measured) = 0.141 W/kg



0 dB = 0.139 W/kg = -8.57 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

### VOG-L29 LTE Band 2 20M QPSK 1RB 0 Offset 18900CH Back Side 15mm with Battery2 with SIM2-Main Antenna

**DUT: VOG-L29; Type: Smart Phone; Serial: SAR1**

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;  $\sigma = 1.494$  S/m;  $\epsilon_r = 52.049$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN7505; ConvF(7.87, 7.87, 7.87) @ 1880 MHz; Calibrated: 2018-06-12
- Sensor-Surface: 1.4mm (Mechanical Surface Detection),  $z = 1.0, 31.0$
- Electronics: DAE4 Sn1492; Calibrated: 2018-11-14
- Phantom: SAM2; Type: SAM; Serial: 1474
- DASY52 52.10.1(1476); SEMCAD X 14.6.11(7439)

**Configuration/Body/Area Scan (9x15x1):** Measurement grid:  $dx=15$ mm,  $dy=15$ mm

Maximum value of SAR (measured) = 0.467 W/kg

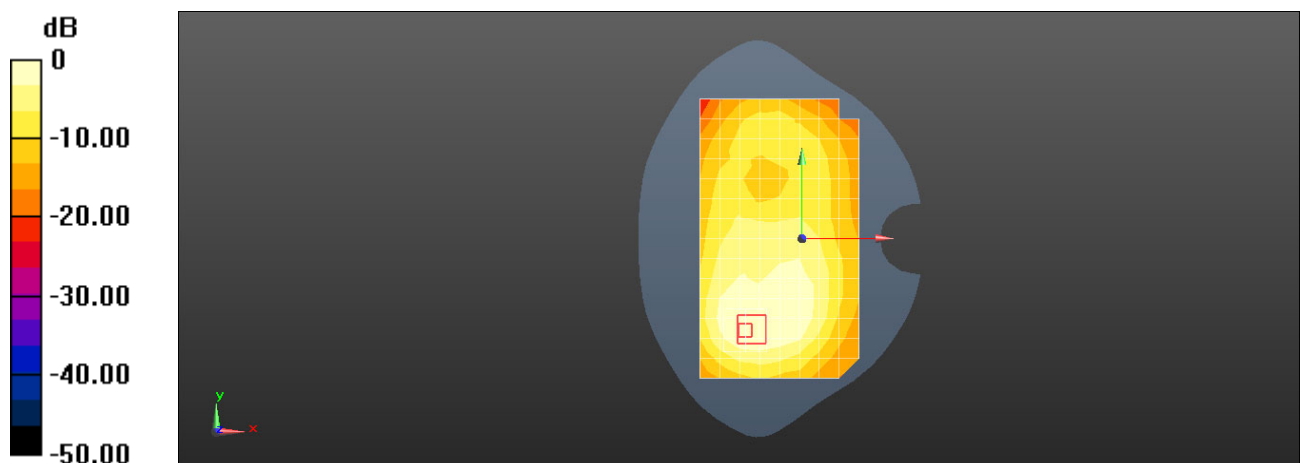
**Configuration/Body/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 10.84 V/m; Power Drift = -0.13 dB

Peak SAR (extrapolated) = 0.507 W/kg

**SAR(1 g) = 0.369 W/kg; SAR(10 g) = 0.244 W/kg**

Maximum value of SAR (measured) = 0.469 W/kg



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

Test Laboratory: HUAWEI SAR/HAC Lab

## VOG-L29 LTE Band 2 20M QPSK 1RB 99 Offset 19100CH Top Side 10mm-Second Antenna

**DUT: VOG-L29; 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;  $\sigma = 1.508$  S/m;  $\epsilon_r = 51.983$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN7505; ConvF(7.87, 7.87, 7.87) @ 1900 MHz; Calibrated: 2018-06-12
- Sensor-Surface: 1.4mm (Mechanical Surface Detection),  $z = 1.0, 31.0$
- Electronics: DAE4 Sn1492; Calibrated: 2018-11-14
- Phantom: SAM2; Type: SAM; Serial: 1474
- DASY52 52.10.1(1476); SEMCAD X 14.6.11(7439)

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

Maximum value of SAR (measured) = 0.295 W/kg

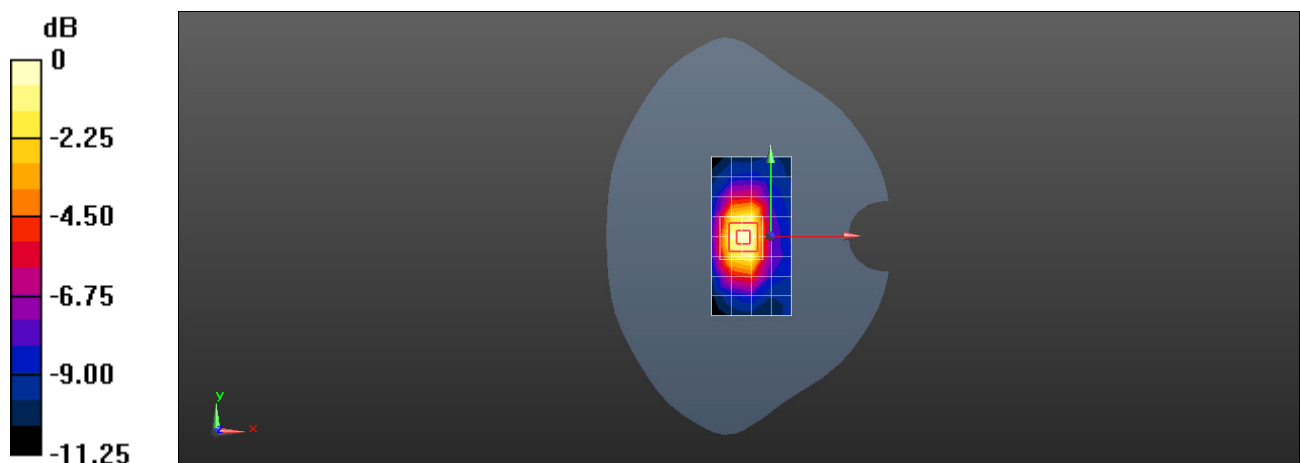
**Configuration/Body/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 16.98 V/m; Power Drift = -0.12 dB

Peak SAR (extrapolated) = 0.464 W/kg

**SAR(1 g) = 0.293 W/kg; SAR(10 g) = 0.167 W/kg**

Maximum value of SAR (measured) = 0.410 W/kg



0 dB = 0.295 W/kg = -5.30 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

## VOG-L29 LTE Band 2 20M QPSK 1RB 0 Offset 19100CH Bottom Side 10mm-Main Antenna

**DUT: VOG-L29; 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;  $\sigma = 1.508$  S/m;  $\epsilon_r = 51.983$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN7505; ConvF(7.87, 7.87, 7.87) @ 1900 MHz; Calibrated: 2018-6-12
- Sensor-Surface: 1.4mm (Mechanical Surface Detection),  $z = 1.0, 31.0$
- Electronics: DAE4 Sn1492; Calibrated: 2018-11-14
- Phantom: SAM2; Type: SAM; Serial: 1474
- DASY52 52.10.1(1476); SEMCAD X 14.6.11(7439)

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

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

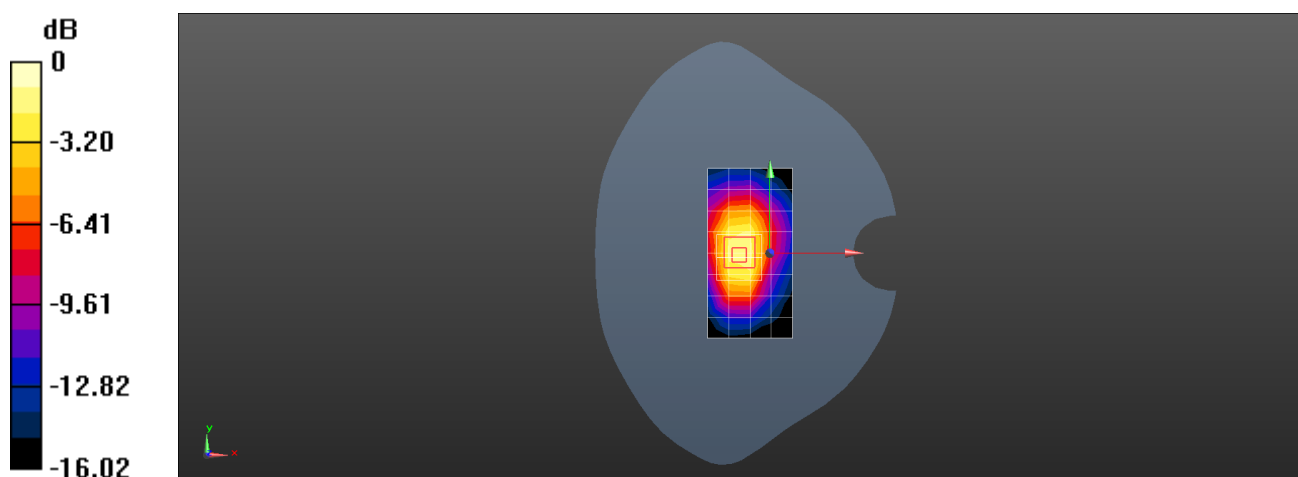
**Configuration/Body/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 21.74 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 0.804 W/kg

**SAR(1 g) = 0.511 W/kg; SAR(10 g) = 0.297 W/kg**

Maximum value of SAR (measured) = 0.716 W/kg



Test Laboratory: HUAWEI SAR/HAC Lab

## VOG-L29 LTE Band 2 20M QPSK 1RB 99 Offset 18700CH Bottom Side 0mm-Main Antenna

**DUT: VOG-L29; 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;  $\sigma = 1.48$  S/m;  $\epsilon_r = 52.079$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN7505; ConvF(7.87, 7.87, 7.87) @ 1860 MHz; Calibrated: 2018-06-12
- Sensor-Surface: 1.4mm (Mechanical Surface Detection),  $z = 1.0, 31.0$
- Electronics: DAE4 Sn1492; Calibrated: 2018-11-14
- Phantom: SAM2; Type: SAM; Serial: 1474
- DASY52 52.10.1(1476); SEMCAD X 14.6.11(7439)

**Configuration/Body/Area Scan (5x9x1):** Measurement grid:  $dx=15$ mm,  $dy=15$ mm  
Maximum value of SAR (measured) = 8.36 W/kg

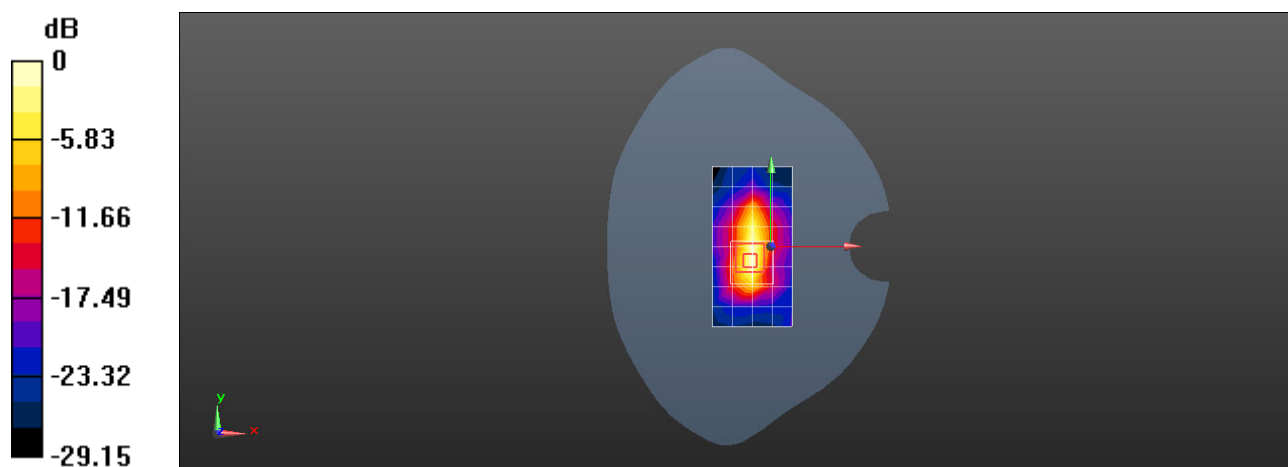
**Configuration/Body/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 68.02 V/m; Power Drift = -0.18 dB

Peak SAR (extrapolated) = 10.8 W/kg

**SAR(1 g) = 5.04 W/kg; SAR(10 g) = 2.15 W/kg**

Maximum value of SAR (measured) = 9.58 W/kg



0 dB = 8.36 W/kg = 9.22 dBW/kg



Test Laboratory: HUAWEI SAR/HAC Lab

## VOG-L04 LTE Band 4 20M QPSK 50%RB 25 Offset 20175CH Left Tilt-Second Antenna

**DUT: VOG-L04; Type: Smart Phone; Serial: SAR5**

Communication System: UID 0, LTE-FDD (SC-FDMA, 20MHz, QPSK/16-QAM) (0); Frequency: 1732.5 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 1733$  MHz;  $\sigma = 1.36$  S/m;  $\epsilon_r = 38.815$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Left Section

DASY Configuration:

- Probe: EX3DV4 - SN3743; ConvF(8.36, 8.36, 8.36) @ 1732.5 MHz; Calibrated: 2018-11-19
- Sensor-Surface: 1.4mm (Mechanical Surface Detection),  $z = 1.0, 31.0$
- Electronics: DAE4 Sn1554; Calibrated: 2018-6-5
- Phantom: SAM8; Type: SAM; Serial: 1940
- DASY52 52.10.1(1476); SEMCAD X 14.6.11(7439)

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

Maximum value of SAR (measured) = 0.594 W/kg

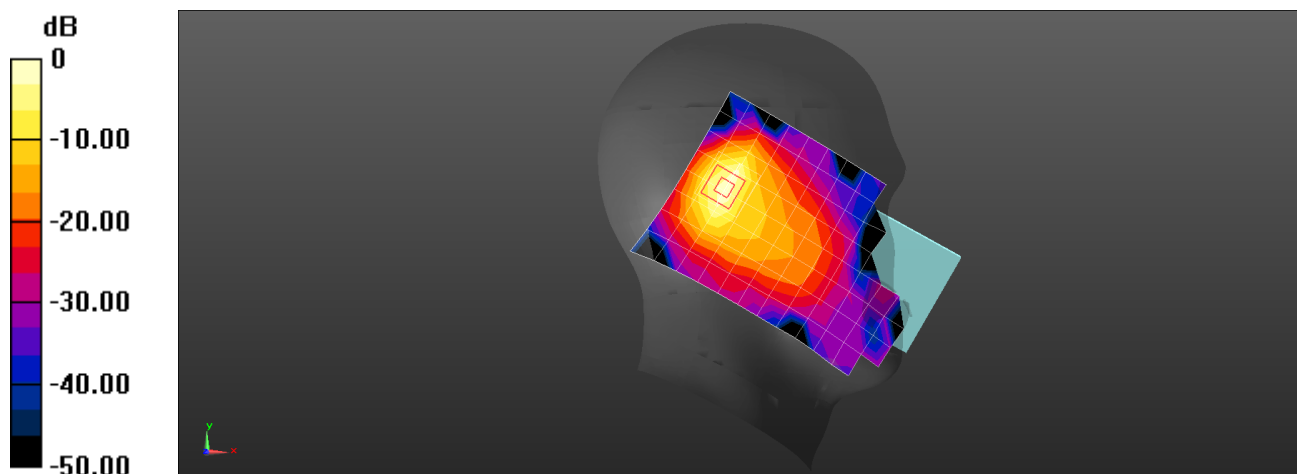
**Configuration/Head/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 6.616 V/m; Power Drift = 0.12 dB

Peak SAR (extrapolated) = 0.754 W/kg

**SAR(1 g) = 0.352 W/kg; SAR(10 g) = 0.158 W/kg**

Maximum value of SAR (measured) = 0.601 W/kg



Test Laboratory: HUAWEI SAR/HAC Lab

## VOG-L04 LTE Band 4 20M QPSK 1RB 50 Offset 20050CH Right Cheek-Main Antenna

**DUT: VOG-L04; Type: Smart Phone; Serial: SAR5**

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;  $\sigma = 1.352$  S/m;  $\epsilon_r = 38.825$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Right Section

DASY Configuration:

- Probe: EX3DV4 - SN3743; ConvF(8.36, 8.36, 8.36) @ 1720 MHz; Calibrated: 2018-11-19
- Sensor-Surface: 1.4mm (Mechanical Surface Detection),  $z = 1.0, 31.0$
- Electronics: DAE4 Sn1554; Calibrated: 2018-6-5
- Phantom: SAM8; Type: SAM; Serial: 1940
- DASY52 52.10.1(1476); SEMCAD X 14.6.11(7439)

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

Maximum value of SAR (measured) = 0.282 W/kg

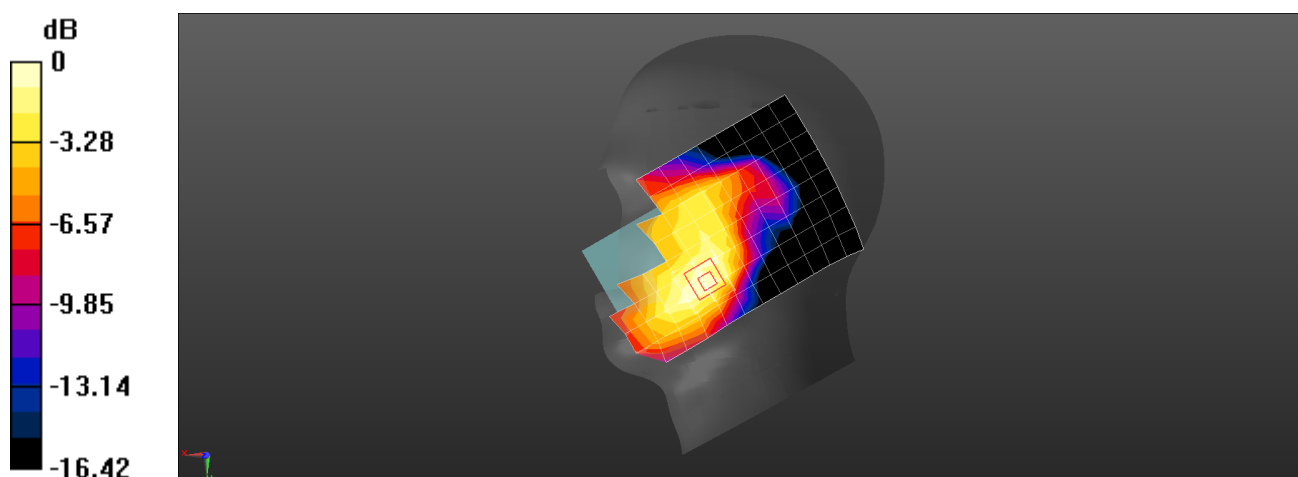
**Configuration/Head/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 5.763 V/m; Power Drift = 0.18 dB

Peak SAR (extrapolated) = 0.334 W/kg

**SAR(1 g) = 0.219 W/kg; SAR(10 g) = 0.143 W/kg**

Maximum value of SAR (measured) = 0.287 W/kg



0 dB = 0.287 W/kg = -5.42 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

## VOG-L04 LTE Band 4 20M QPSK 1RB 99 Offset 20175CH Back Side 15mm-Second Antenna

**DUT: VOG-L04; Type: Smart Phone; Serial: SAR2**

Communication System: UID 0, LTE-FDD (SC-FDMA, 20MHz, QPSK/16-QAM) (0); Frequency: 1732.5 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 1733$  MHz;  $\sigma = 1.477$  S/m;  $\epsilon_r = 53.233$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY Configuration:

- Probe: ES3DV3 - SN3168; ConvF(5.02, 5.02, 5.02) @ 1732.5 MHz; Calibrated: 2018-9-27
- Sensor-Surface: 3mm (Mechanical Surface Detection),  $z = 2.0, 32.0$
- Electronics: DAE4 Sn1235; Calibrated: 2018-11-14
- Phantom: SAM4; Type: SAM; Serial: 1620
- DASY52 52.10.1(1476); SEMCAD X 14.6.11(7439)

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

Maximum value of SAR (measured) = 0.209 W/kg

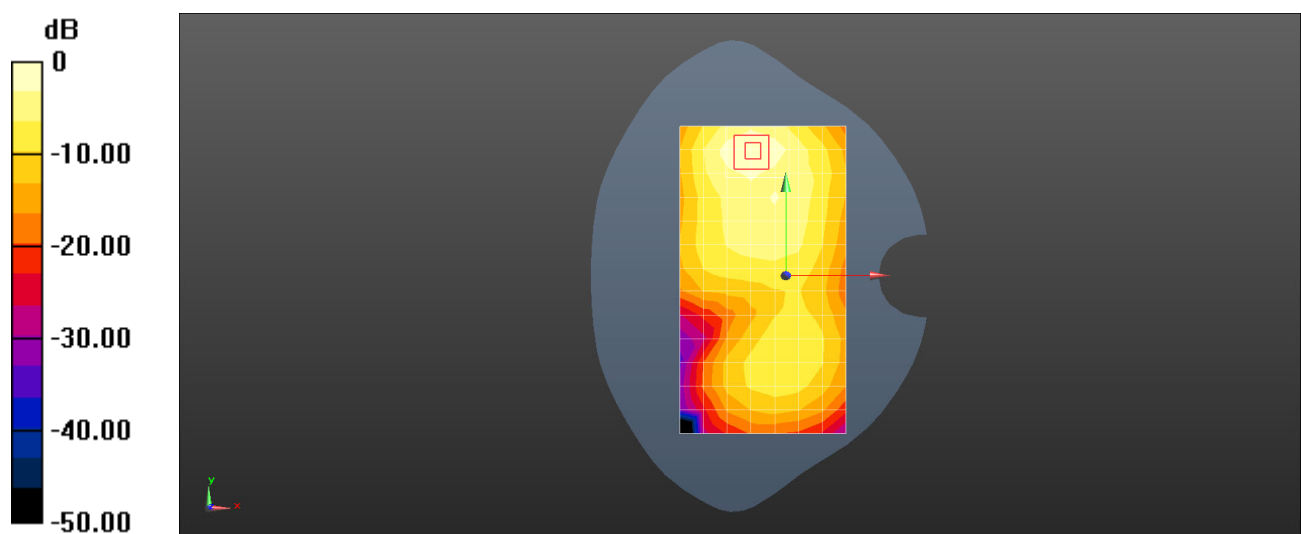
**Configuration/Body/Zoom Scan (6x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 4.730 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 0.260 W/kg

**SAR(1 g) = 0.175 W/kg; SAR(10 g) = 0.105 W/kg**

Maximum value of SAR (measured) = 0.209 W/kg



0 dB = 0.209 W/kg = -6.79 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

## VOG-L04 LTE Band 4 20M QPSK 1RB 50 Offset 20175CH Back Side 15mm-Main Antenna

**DUT: VOG-L04; Type: Smart Phone; Serial: SAR2**

Communication System: UID 0, LTE-FDD (SC-FDMA, 20MHz, QPSK/16-QAM) (0); Frequency: 1732.5 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 1733$  MHz;  $\sigma = 1.477$  S/m;  $\epsilon_r = 53.233$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY Configuration:

- Probe: ES3DV3 - SN3168; ConvF(5.02, 5.02, 5.02) @ 1732.5 MHz; Calibrated: 2018-9-27
- Sensor-Surface: 3mm (Mechanical Surface Detection),  $z = 2.0, 32.0$
- Electronics: DAE4 Sn1235; Calibrated: 2018-11-14
- Phantom: SAM4; Type: SAM; Serial: 1620
- DASY52 52.10.1(1476); SEMCAD X 14.6.11(7439)

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

Maximum value of SAR (measured) = 0.521 W/kg

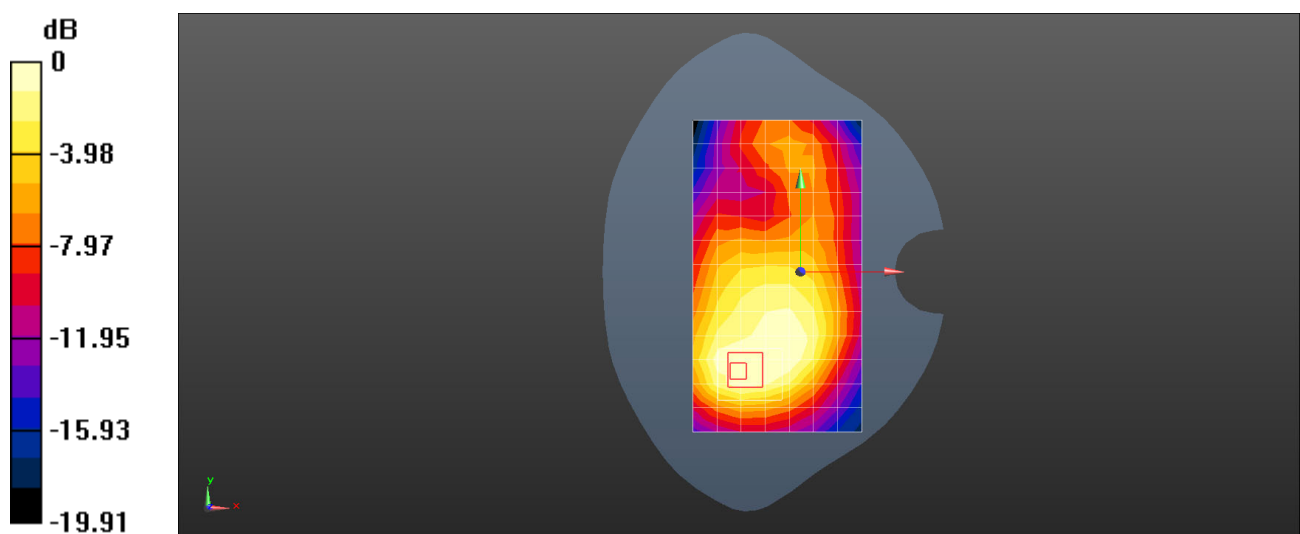
**Configuration/Body/Zoom Scan (6x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 13.44 V/m; Power Drift = -0.08 dB

Peak SAR (extrapolated) = 0.733 W/kg

**SAR(1 g) = 0.495 W/kg; SAR(10 g) = 0.314 W/kg**

Maximum value of SAR (measured) = 0.578 W/kg



0 dB = 0.521 W/kg = -2.83 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

## VOG-L04 LTE Band 4 20M QPSK 1RB 99 Offset 20300CH Top Side 10mm-Second Antenna

**DUT: VOG-L04; Type: Smart Phone; Serial: SAR2**

Communication System: UID 0, LTE-FDD (SC-FDMA, 20MHz, QPSK/16-QAM) (0); Frequency: 1745 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated):  $f = 1745$  MHz;  $\sigma = 1.488$  S/m;  $\epsilon_r = 53.215$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY Configuration:

- Probe: ES3DV3 - SN3168; ConvF(5.02, 5.02, 5.02) @ 1745 MHz; Calibrated: 2018-9-27
- Sensor-Surface: 3mm (Mechanical Surface Detection),  $z = 2.0, 32.0$
- Electronics: DAE4 Sn1235; Calibrated: 2018-11-14
- Phantom: SAM4; Type: SAM; Serial: 1620
- DASY52 52.10.1(1476); SEMCAD X 14.6.11(7439)

**Configuration/Body/Area Scan (5x8x1):** Measurement grid:  $dx=15$ mm,  $dy=15$ mm

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

Maximum value of SAR (measured) = 0.411 W/kg

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

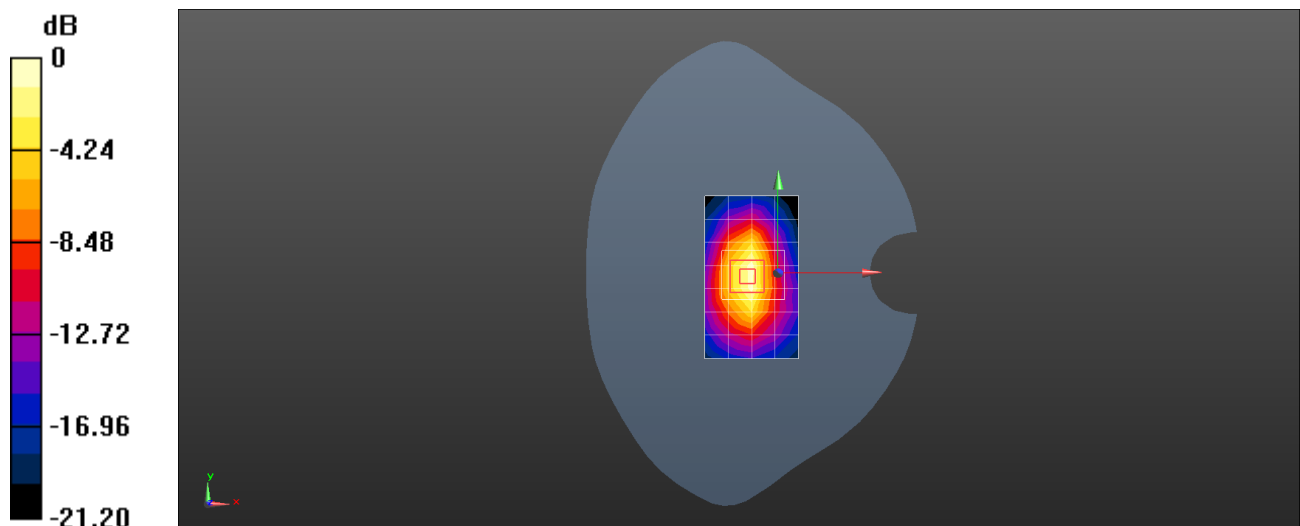
Reference Value = 18.14 V/m; Power Drift = 0.14 dB

Peak SAR (extrapolated) = 0.609 W/kg

**SAR(1 g) = 0.380 W/kg; SAR(10 g) = 0.203 W/kg**

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

Maximum value of SAR (measured) = 0.473 W/kg



0 dB = 0.473 W/kg = -3.25 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

## VOG-L04 LTE Band 4 20M QPSK 1RB 0 Offset 20300CH Bottom Side 10mm-Main Antenna

**DUT: VOG-L04; Type: Smart Phone; Serial: SAR2**

Communication System: UID 0, LTE-FDD (SC-FDMA, 20MHz, QPSK/16-QAM) (0); Frequency: 1745 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated):  $f = 1745$  MHz;  $\sigma = 1.479$  S/m;  $\epsilon_r = 52.221$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY Configuration:

- Probe: ES3DV3 - SN3168; ConvF(5.02, 5.02, 5.02) @ 1745 MHz; Calibrated: 2018-9-27
- Sensor-Surface: 3mm (Mechanical Surface Detection),  $z = 2.0, 32.0$
- Electronics: DAE4 Sn1235; Calibrated: 2018-11-14
- Phantom: SAM4; Type: SAM; Serial: 1620
- DASY52 52.10.1(1476); SEMCAD X 14.6.11(7439)

**Configuration/Body/Area Scan (5x8x1):** Measurement grid:  $dx=15$ mm,  $dy=15$ mm

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

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

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

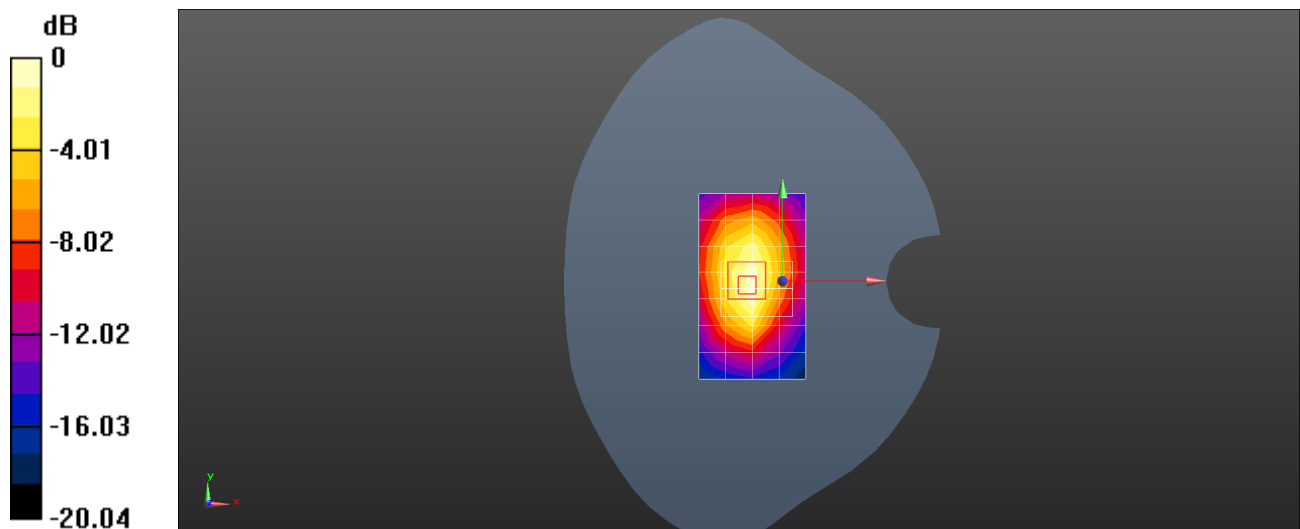
Reference Value = 23.36 V/m; Power Drift = -0.17 dB

Peak SAR (extrapolated) = 0.929 W/kg

**SAR(1 g) = 0.598 W/kg; SAR(10 g) = 0.347 W/kg**

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

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



0 dB = 0.721 W/kg = -1.42 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

### VOG-L04 LTE Band 4 20M QPSK 100%RB 0 Offset 20175CH Bottom Side 0mm- Main Antenna

**DUT: VOG-L04; Type: Smart Phone; Serial: SAR2**

Communication System: UID 0, LTE-FDD (SC-FDMA, 20MHz, QPSK/16-QAM) (0); Frequency: 1732.5 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 1733$  MHz;  $\sigma = 1.474$  S/m;  $\epsilon_r = 52.22$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY Configuration:

- Probe: ES3DV3 - SN3168; ConvF(5.02, 5.02, 5.02) @ 1732.5 MHz; Calibrated: 2018-9-27
- Sensor-Surface: 3mm (Mechanical Surface Detection),  $z = 2.0, 32.0$
- Electronics: DAE4 Sn1235; Calibrated: 2018-11-14
- Phantom: SAM4; Type: SAM; Serial: 1620
- DASY52 52.10.1(1476); SEMCAD X 14.6.11(7439)

**Configuration/Body/Area Scan (5x8x1):** Measurement grid:  $dx=15$ mm,  $dy=15$ mm  
Maximum value of SAR (measured) = 5.38 W/kg

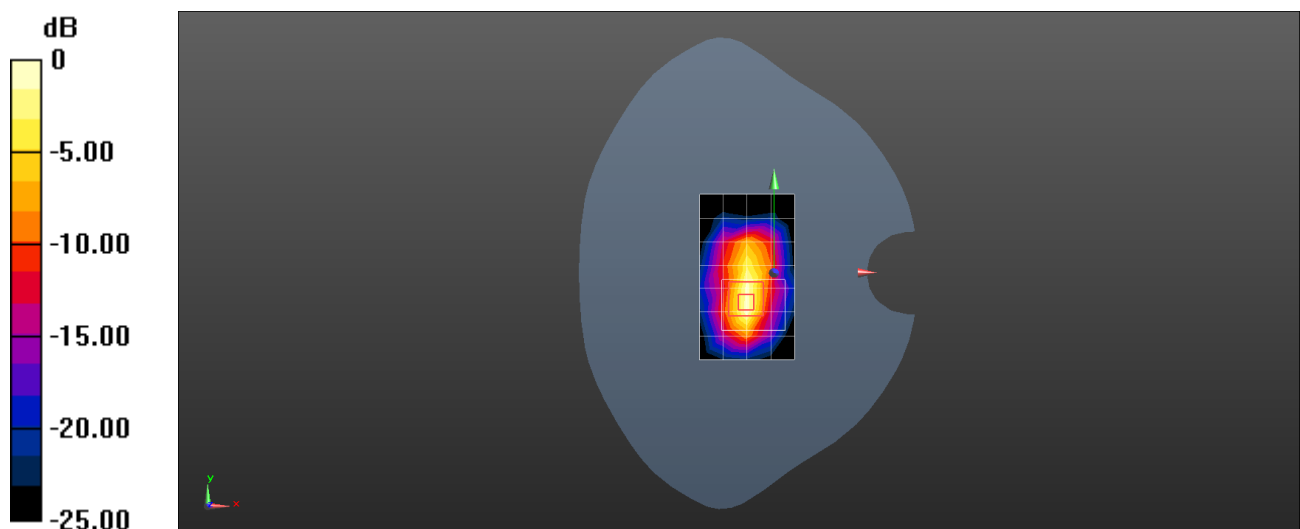
**Configuration/Body/Zoom Scan (6x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 50.99 V/m; Power Drift = 0.14 dB

Peak SAR (extrapolated) = 8.77 W/kg

**SAR(1 g) = 4.31 W/kg; SAR(10 g) = 1.9 W/kg**

Maximum value of SAR (measured) = 6.06 W/kg



0 dB = 6.06 W/kg = 7.82 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

## VOG-L04 LTE Band 5 10M QPSK 50%RB 25 Offset 20600CH Left Cheek-Second Antenna

**DUT: VOG-L04; Type: Smart Phone; Serial: SAR6**

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

Medium parameters used:  $f = 844$  MHz;  $\sigma = 0.939$  S/m;  $\epsilon_r = 42.264$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Left Section

DASY Configuration:

- Probe: EX3DV4 - SN3736; ConvF(8.86, 8.86, 8.86) @ 844 MHz; Calibrated: 2018-4-27
- Sensor-Surface: 1.4mm (Mechanical Surface Detection),  $z = 1.0, 31.0$
- Electronics: DAE4 Sn851; Calibrated: 2018-7-18
- Phantom: SAM9; Type: SAM; Serial: 1958
- DASY52 52.10.1(1476); SEMCAD X 14.6.11(7439)

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

Maximum value of SAR (measured) = 0.494 W/kg

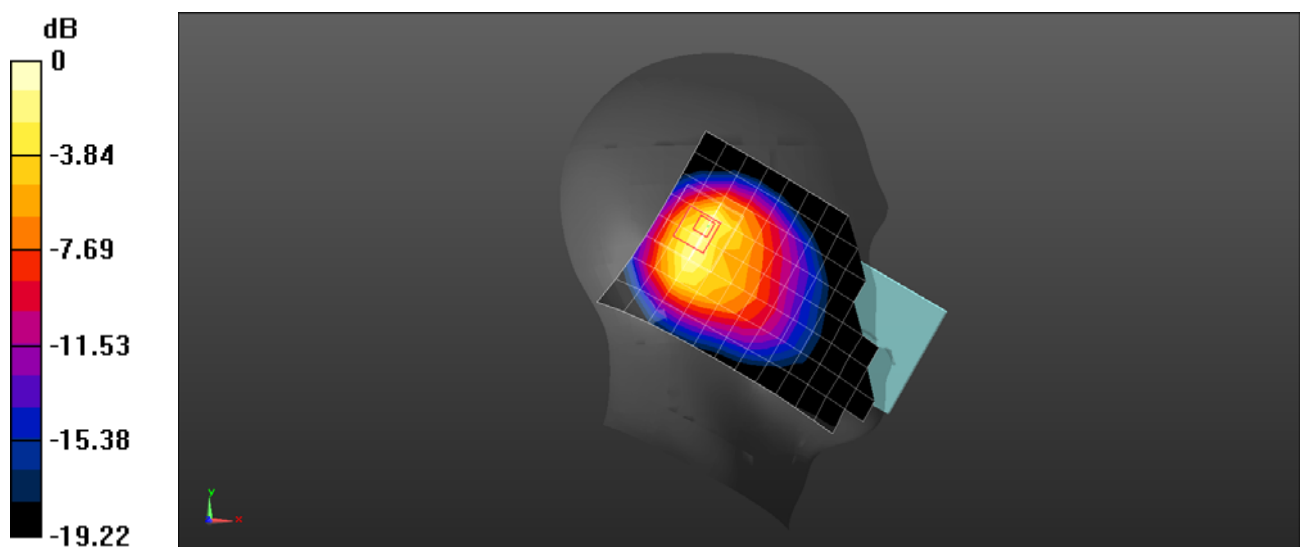
**Configuration/Head/Zoom Scan (6x6x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 13.36 V/m; Power Drift = 0.15 dB

Peak SAR (extrapolated) = 0.804 W/kg

**SAR(1 g) = 0.339 W/kg; SAR(10 g) = 0.166 W/kg**

Maximum value of SAR (measured) = 0.614 W/kg



0 dB = 0.614 W/kg = -2.12 dBW/kg



Test Laboratory: HUAWEI SAR/HAC Lab

## VOG-L04 LTE Band 5 10M QPSK 1RB 0 Offset 20600CH Right Cheek with Battery2-Main Antenna

**DUT: VOG-L04; Type: Smart Phone; Serial: SAR6**

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

Medium parameters used:  $f = 844$  MHz;  $\sigma = 0.939$  S/m;  $\epsilon_r = 42.264$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Right Section

DASY Configuration:

- Probe: EX3DV4 - SN3736; ConvF(8.86, 8.86, 8.86) @ 844 MHz; Calibrated: 2018-4-27
- Sensor-Surface: 1.4mm (Mechanical Surface Detection),  $z = 1.0, 31.0$
- Electronics: DAE4 Sn851; Calibrated: 2018-7-18
- Phantom: SAM9; Type: SAM; Serial: 1958
- DASY52 52.10.1(1476); SEMCAD X 14.6.11(7439)

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

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

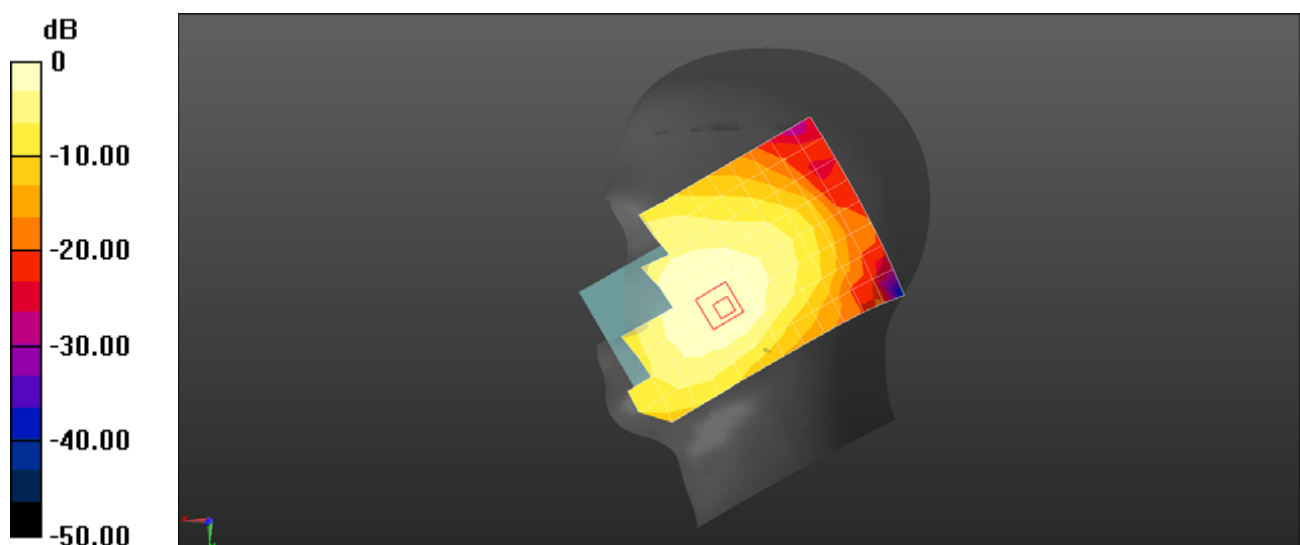
**Configuration/Head/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 5.811 V/m; Power Drift = 0.10 dB

Peak SAR (extrapolated) = 0.199 W/kg

**SAR(1 g) = 0.153 W/kg; SAR(10 g) = 0.118 W/kg**

Maximum value of SAR (measured) = 0.181 W/kg



0 dB = 0.179 W/kg = -7.46 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

## VOG-L04 LTE Band 5 10M QPSK 1RB 49 Offset 20525CH Front Side 15mm-Second Antenna

**DUT: VOG-L04; Type: Smart Phone; Serial: SAR3**

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;  $\sigma = 1.015$  S/m;  $\epsilon_r = 53.868$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3744; ConvF(9.12, 9.12, 9.12) @ 836.5 MHz; Calibrated: 2018-7-25
- Sensor-Surface: 1.4mm (Mechanical Surface Detection),  $z = 1.0, 31.0$
- Electronics: DAE4 Sn852; Calibrated: 2018-4-23
- Phantom: SAM5; Type: SAM; Serial: 1892
- DASY52 52.10.1(1476); SEMCAD X 14.6.11(7439)

**Configuration/Body/Area Scan (9x13x1):** Measurement grid: dx=15mm, dy=15mm

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

Maximum value of SAR (measured) = 0.319 W/kg

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

Reference Value = 10.79 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 0.394 W/kg

**SAR(1 g) = 0.261 W/kg; SAR(10 g) = 0.171 W/kg**

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

Maximum value of SAR (measured) = 0.342 W/kg

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

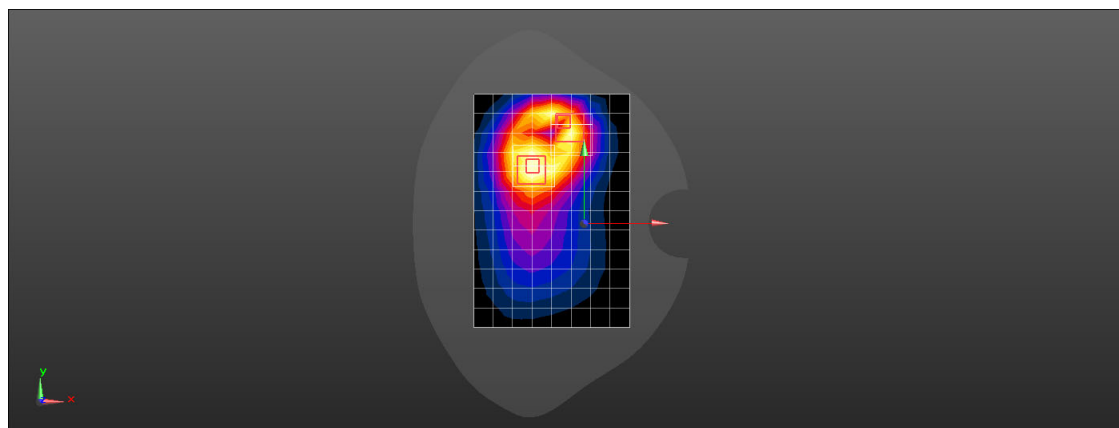
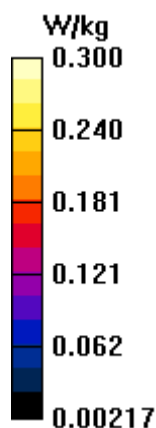
Reference Value = 10.79 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 0.372 W/kg

**SAR(1 g) = 0.212 W/kg; SAR(10 g) = 0.121 W/kg**

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

Maximum value of SAR (measured) = 0.300 W/kg



Test Laboratory: HUAWEI SAR/HAC Lab

## VOG-L04 LTE Band 5 10M QPSK 1RB 0 Offset 20600CH Back Side 15mm with Battery2-Main Antenna

**DUT: VOG-L04; Type: Smart Phone; Serial: SAR3**

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

Medium parameters used:  $f = 844 \text{ MHz}$ ;  $\sigma = 1.018 \text{ S/m}$ ;  $\epsilon_r = 53.839$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3744; ConvF(9.12, 9.12, 9.12) @ 844 MHz; Calibrated: 2018-7-25
- Sensor-Surface: 1.4mm (Mechanical Surface Detection),  $z = 1.0, 31.0$
- Electronics: DAE4 Sn852; Calibrated: 2018-4-23
- Phantom: SAM5; Type: SAM; Serial: 1892
- DASY52 52.10.1(1476); SEMCAD X 14.6.11(7439)

**Configuration/Body/Area Scan (9x13x1):** Measurement grid:  $dx=15\text{mm}$ ,  $dy=15\text{mm}$   
Maximum value of SAR (measured) = 0.359 W/kg

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

Reference Value = 13.72 V/m; Power Drift = 0.05 dB

Peak SAR (extrapolated) = 0.417 W/kg

**SAR(1 g) = 0.292 W/kg; SAR(10 g) = 0.205 W/kg**

Maximum value of SAR (measured) = 0.371 W/kg

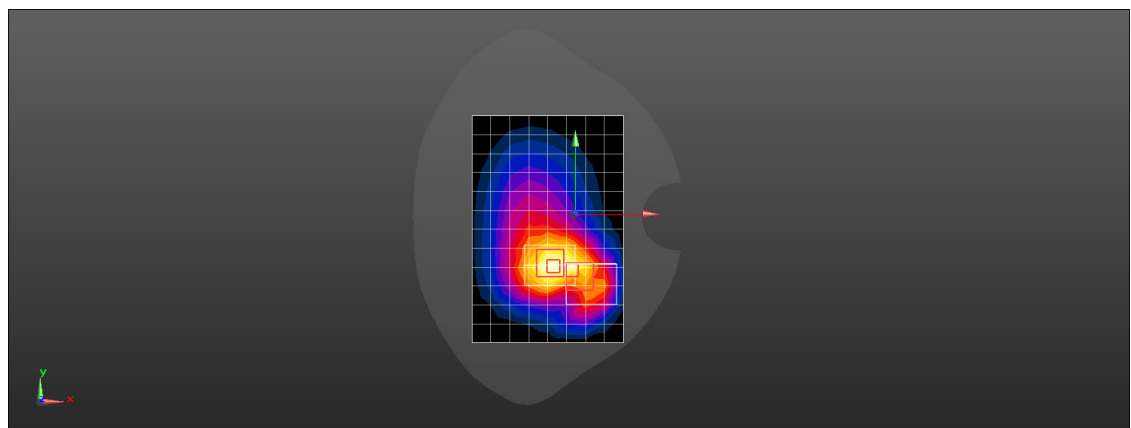
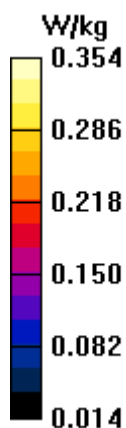
**Configuration/Body/Zoom Scan (6x5x7)/Cube 1:** Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$

Reference Value = 13.72 V/m; Power Drift = 0.05 dB

Peak SAR (extrapolated) = 0.406 W/kg

**SAR(1 g) = 0.246 W/kg; SAR(10 g) = 0.139 W/kg**

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



Test Laboratory: HUAWEI SAR/HAC Lab

### VOG-L04 LTE Band 5 10M QPSK 1RB 49 Offset 20600CH Front Side 10mm with Battery2-Second Antenna

**DUT: VOG-L04; Type: Smart Phone; Serial: SAR3**

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

Medium parameters used:  $f = 844 \text{ MHz}$ ;  $\sigma = 1.018 \text{ S/m}$ ;  $\epsilon_r = 53.839$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY Configuration:

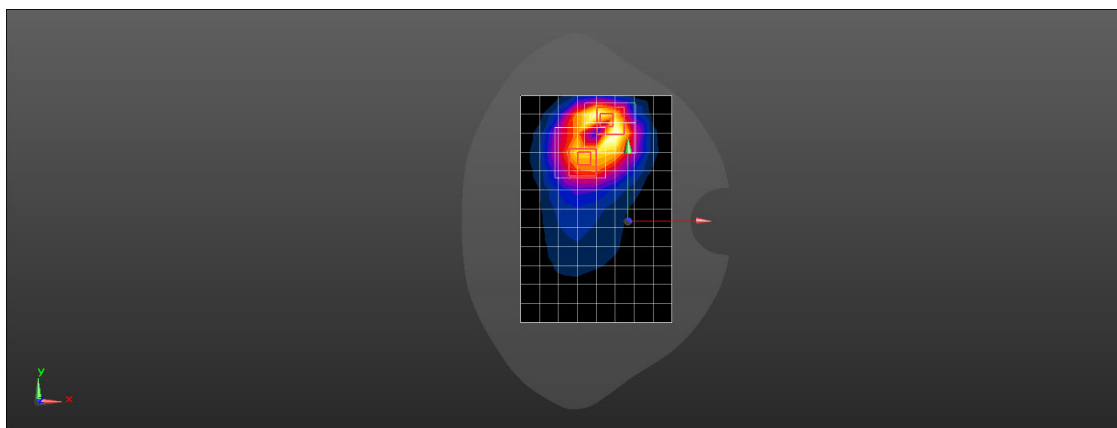
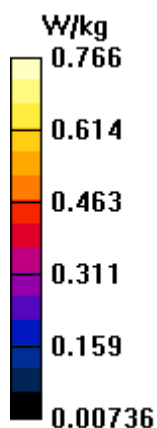
- Probe: EX3DV4 - SN3744; ConvF(9.12, 9.12, 9.12) @ 844 MHz; Calibrated: 2018-7-25
- Sensor-Surface: 1.4mm (Mechanical Surface Detection),  $z = 1.0, 31.0$
- Electronics: DAE4 Sn852; Calibrated: 2018-4-23
- Phantom: SAM5; Type: SAM; Serial: 1892
- DASY52 52.10.1(1476); SEMCAD X 14.6.11(7439)

**Configuration/Body/Area Scan (9x13x1):** Measurement grid:  $dx=15\text{mm}$ ,  $dy=15\text{mm}$   
Maximum value of SAR (measured) = 0.831 W/kg

**Configuration/Body/Zoom Scan (6x6x7)/Cube 0:** Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$   
Reference Value = 11.06 V/m; Power Drift = -0.12 dB  
Peak SAR (extrapolated) = 1.11 W/kg  
**SAR(1 g) = 0.572 W/kg; SAR(10 g) = 0.307 W/kg**

Maximum value of SAR (measured) = 0.890 W/kg

**Configuration/Body/Zoom Scan (6x6x7)/Cube 1:** Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$   
Reference Value = 11.06 V/m; Power Drift = -0.12 dB  
Peak SAR (extrapolated) = 0.998 W/kg  
**SAR(1 g) = 0.482 W/kg; SAR(10 g) = 0.300 W/kg**  
Maximum value of SAR (measured) = 0.766 W/kg



Test Laboratory: HUAWEI SAR/HAC Lab

## VOG-L29 LTE Band 5 10M QPSK 1RB 0 Offset 20600CH Back Side 10mm with SIM2-Main Antenna

**DUT: VOG-L29; Type: Smart Phone; Serial: SAR3**

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

Medium parameters used:  $f = 844 \text{ MHz}$ ;  $\sigma = 0.964 \text{ S/m}$ ;  $\epsilon_r = 56.323$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3744; ConvF(9.12, 9.12, 9.12) @ 844 MHz; Calibrated: 2018-7-25
- Sensor-Surface: 1.4mm (Mechanical Surface Detection),  $z = 1.0, 31.0$
- Electronics: DAE4 Sn852; Calibrated: 2018-4-23
- Phantom: SAM5; Type: SAM; Serial: 1892
- DASY52 52.10.1(1476); SEMCAD X 14.6.11(7439)

**Configuration/Body/Area Scan (9x13x1):** Measurement grid:  $dx=15\text{mm}$ ,  $dy=15\text{mm}$

Maximum value of SAR (measured) = 0.607 W/kg

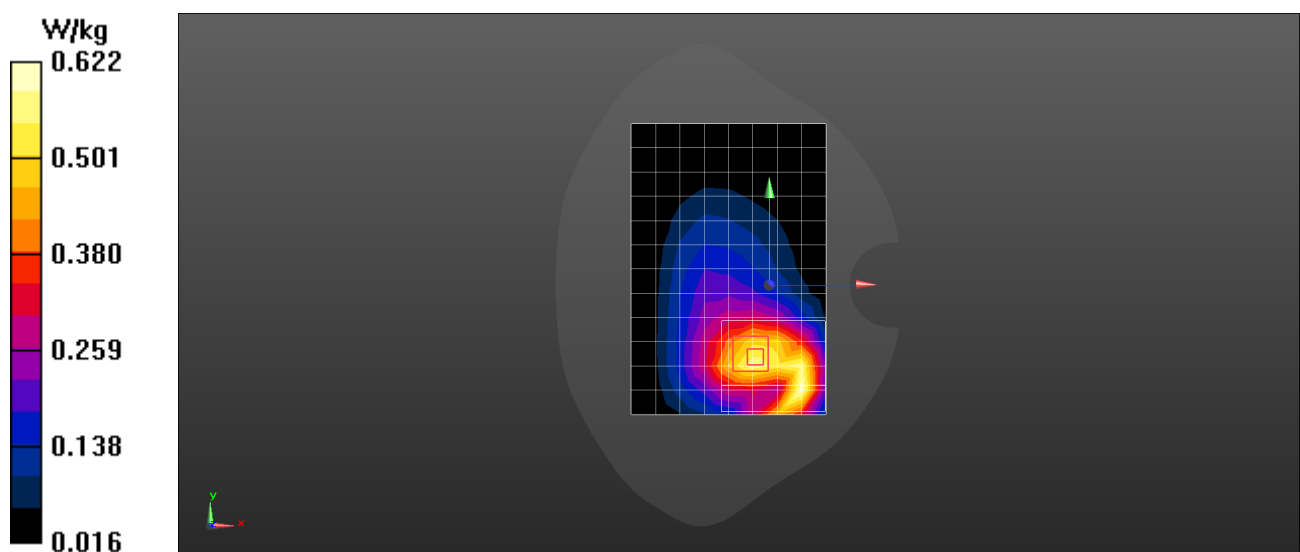
**Configuration/Body/Zoom Scan (9x8x7)/Cube 0:** Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$

Reference Value = 14.30 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 0.740 W/kg

**SAR(1 g) = 0.454 W/kg; SAR(10 g) = 0.310 W/kg**

Maximum value of SAR (measured) = 0.622 W/kg



Test Laboratory: HUAWEI SAR/HAC Lab

## VOG-L29 LTE Band 7 20M QPSK 1RB 50 Offset 20850CH Right Tilt-Second Antenna

**DUT: VOG-L29; Type: Smart Phone; Serial: SAR5**

Communication System: UID 0, LTE-FDD (SC-FDMA, 20MHz, QPSK/16-QAM) (0); Frequency: 2510 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 2510$  MHz;  $\sigma = 1.891$  S/m;  $\epsilon_r = 38.399$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Right Section

DASY Configuration:

- Probe: EX3DV4 - SN3743; ConvF(6.96, 6.96, 6.96) @ 2510 MHz; Calibrated: 2018-11-19
- Sensor-Surface: 1.4mm (Mechanical Surface Detection),  $z = 1.0, 31.0$
- Electronics: DAE4 Sn1554; Calibrated: 2018-6-5
- Phantom: SAM8; Type: SAM; Serial: 1940
- DASY52 52.10.1(1476); SEMCAD X 14.6.11(7439)

**Configuration/Head/Area Scan (9x14x1):** Measurement grid:  $dx=12$ mm,  $dy=12$ mm

Maximum value of SAR (measured) = 0.639 W/kg

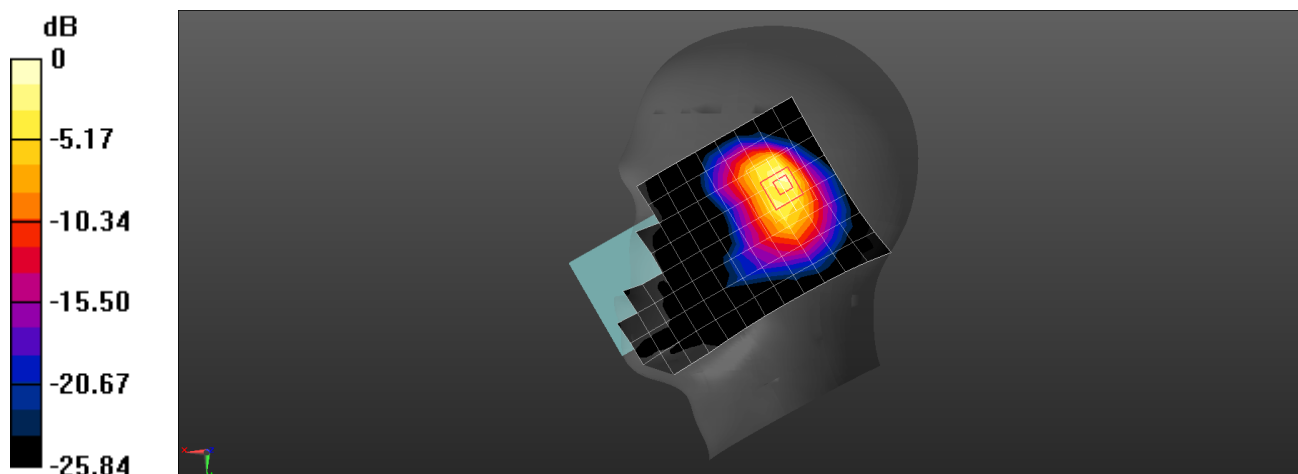
**Configuration/Head/Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

Reference Value = 14.20 V/m; Power Drift = -0.09 dB

Peak SAR (extrapolated) = 0.998 W/kg

**SAR(1 g) = 0.424 W/kg; SAR(10 g) = 0.186 W/kg**

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



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

Test Laboratory: HUAWEI SAR/HAC Lab

## VOG-L29 LTE Band 7 20M QPSK 1RB 99 Offset 20850CH Right Cheek-Main Antenna

**DUT: VOG-L29; Type: Smart Phone; Serial: SAR5**

Communication System: UID 0, LTE-FDD (SC-FDMA, 20MHz, QPSK/16-QAM) (0); Frequency: 2510 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 2510$  MHz;  $\sigma = 1.891$  S/m;  $\epsilon_r = 38.399$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Right Section

DASY Configuration:

- Probe: EX3DV4 - SN3743; ConvF(6.96, 6.96, 6.96) @ 2510 MHz; Calibrated: 2018-11-19
- Sensor-Surface: 1.4mm (Mechanical Surface Detection),  $z = 1.0, 31.0$
- Electronics: DAE4 Sn1554; Calibrated: 2018-6-5
- Phantom: SAM8; Type: SAM; Serial: 1940
- DASY52 52.10.1(1476); SEMCAD X 14.6.11(7439)

**Configuration/Head/Area Scan (9x14x1):** Measurement grid:  $dx=12$ mm,  $dy=12$ mm

Maximum value of SAR (measured) = 0.257 W/kg

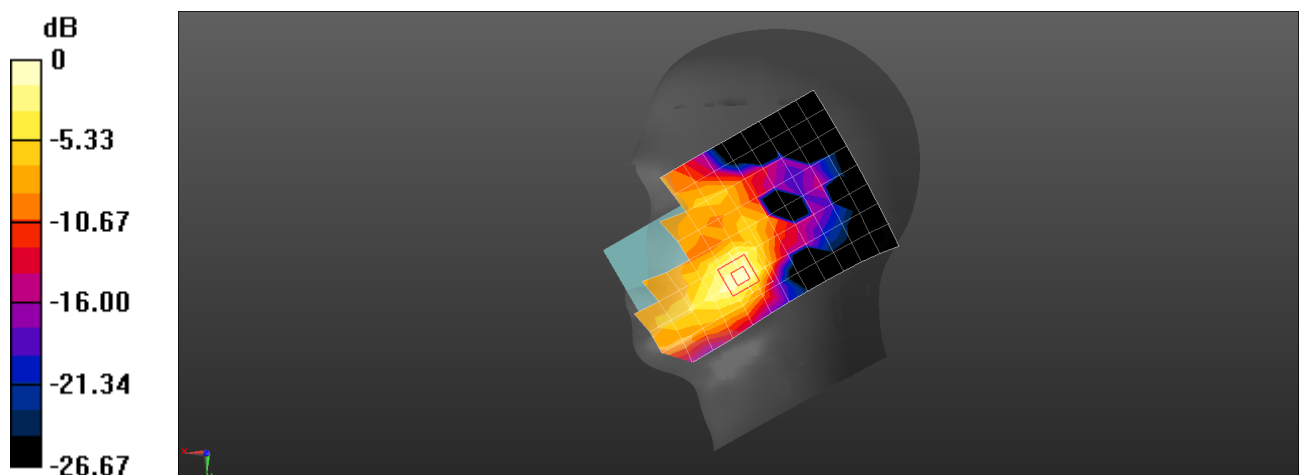
**Configuration/Head/Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

Reference Value = 12.72 V/m; Power Drift = 0.06 dB

Peak SAR (extrapolated) = 0.338 W/kg

**SAR(1 g) = 0.195 W/kg; SAR(10 g) = 0.105 W/kg**

Maximum value of SAR (measured) = 0.278 W/kg



0 dB = 0.278 W/kg = -5.56 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

## VOG-L29 LTE Band 7 20M QPSK 50%RB 0 Offset 20850CH Back Side 15mm with SIM2-Second Antenna

**DUT: VOG-L29; Type: Smart Phone; Serial: SAR1**

Communication System: UID 0, LTE-FDD (SC-FDMA, 20MHz, QPSK/16-QAM) (0); Frequency: 2510 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 2510$  MHz;  $\sigma = 2.05$  S/m;  $\epsilon_r = 52.75$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN7505; ConvF(7.23, 7.23, 7.23) @ 2510 MHz; Calibrated: 2018-06-12
- Sensor-Surface: 1.4mm (Mechanical Surface Detection),  $z = 1.0, 31.0$
- Electronics: DAE4 Sn1492; Calibrated: 2018-11-14
- Phantom: SAM2; Type: SAM; Serial: 1474
- DASY52 52.10.1(1476); SEMCAD X 14.6.11(7439)

**Configuration/Body/Area Scan (11x18x1):** Measurement grid:  $dx=12$ mm,  $dy=12$ mm

Maximum value of SAR (measured) = 0.301 W/kg

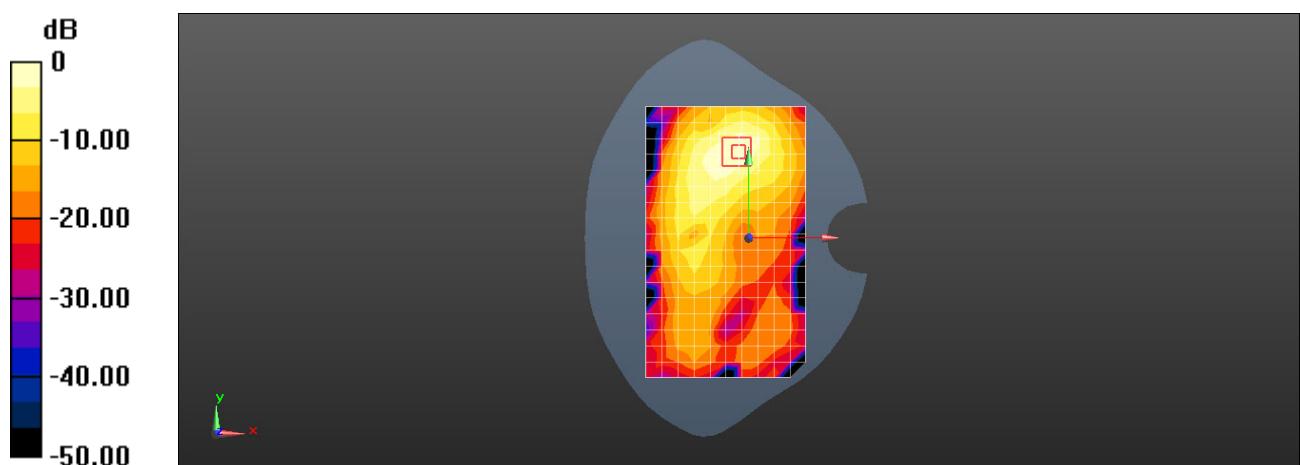
**Configuration/Body/Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

Reference Value = 2.796 V/m; Power Drift = 0.15 dB

Peak SAR (extrapolated) = 0.306 W/kg

**SAR(1 g) = 0.214 W/kg; SAR(10 g) = 0.122 W/kg**

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



0 dB = 0.301 W/kg = -5.21 dBW/kg



Test Laboratory: HUAWEI SAR/HAC Lab

### VOG-L29 CA\_7C P\_1@99 21100CH S\_1@0 20298CH Back Side 15mm with Battery2-Main Antenna

**DUT: VOG-L29; 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;  $\sigma = 2.074$  S/m;  $\epsilon_r = 52.681$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN7505; ConvF(7.23, 7.23, 7.23) @ 2535 MHz; Calibrated: 2018-6-12
- Sensor-Surface: 1.4mm (Mechanical Surface Detection),  $z = 1.0, 31.0$
- Electronics: DAE4 Sn1492; Calibrated: 2018-11-14
- Phantom: SAM2; Type: SAM; Serial: 1474
- DASY52 52.10.1(1476); SEMCAD X 14.6.11(7439)

**Configuration/Body/Area Scan (11x18x1):** Measurement grid:  $dx=12$ mm,  $dy=12$ mm

Maximum value of SAR (measured) = 0.474 W/kg

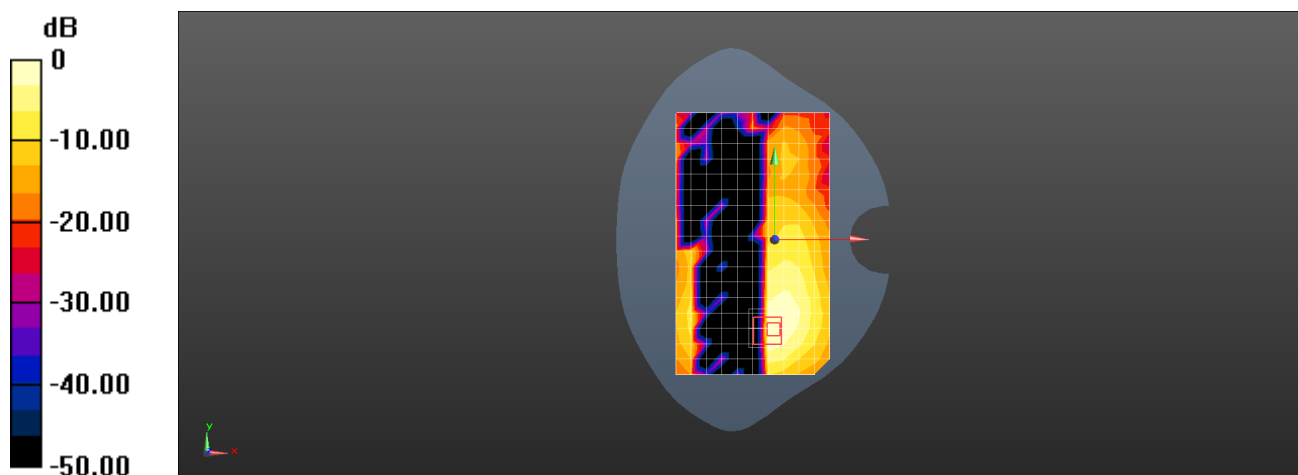
**Configuration/Body/Zoom Scan (8x7x7)/Cube 0:** Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

Reference Value = 3.447 V/m; Power Drift = 0.18 dB

Peak SAR (extrapolated) = 0.813 W/kg

**SAR(1 g) = 0.393 W/kg; SAR(10 g) = 0.226 W/kg**

Maximum value of SAR (measured) = 0.471 W/kg



0 dB = 0.471 W/kg = -3.27 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

## VOG-L29 CA\_7C P\_1@0 21100CH S\_1@99 20902CH Back Side 10mm-Second Antenna

**DUT: VOG-L29; 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;  $\sigma = 2.074$  S/m;  $\epsilon_r = 52.681$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN7505; ConvF(7.23, 7.23, 7.23) @ 2535 MHz; Calibrated: 2018-6-12
- Sensor-Surface: 1.4mm (Mechanical Surface Detection),  $z = 1.0, 31.0$
- Electronics: DAE4 Sn1492; Calibrated: 2018-11-14
- Phantom: SAM2; Type: SAM; Serial: 1474
- DASY52 52.10.1(1476); SEMCAD X 14.6.11(7439)

**Configuration/Body/Area Scan (11x18x1):** Measurement grid:  $dx=12$ mm,  $dy=12$ mm  
Maximum value of SAR (measured) = 0.294 W/kg

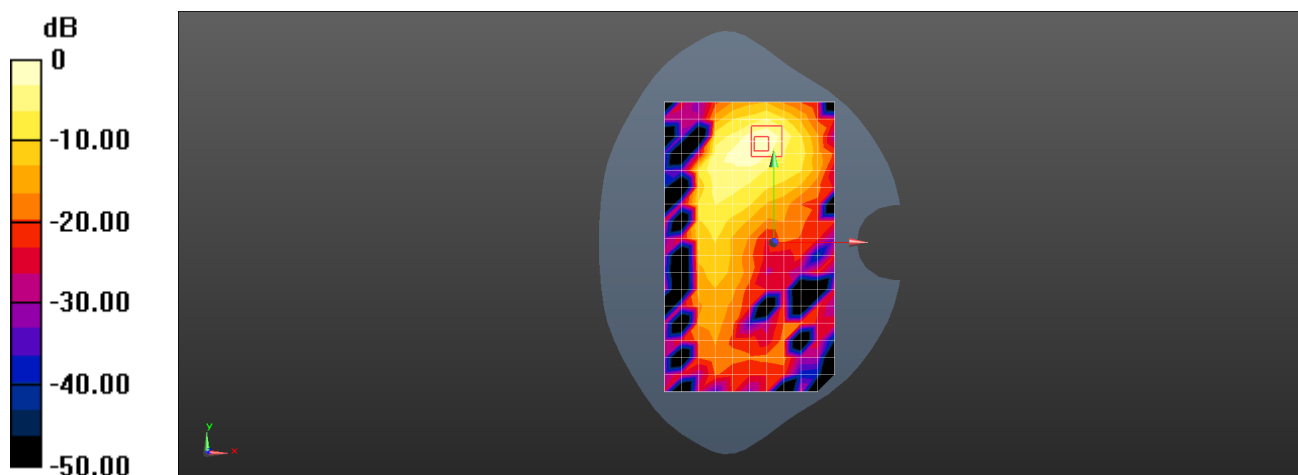
**Configuration/Body/Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

Reference Value = 1.570 V/m; Power Drift = 0.18 dB

Peak SAR (extrapolated) = 0.713 W/kg

**SAR(1 g) = 0.306 W/kg; SAR(10 g) = 0.124 W/kg**

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



0 dB = 0.361 W/kg = -4.42 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

## VOG-L29 LTE Band 7 20M QPSK 1RB 99 Offset 21350CH Bottom Side 10mm with Battery2-Main Antenna

**DUT: VOG-L29; 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;  $\sigma = 2.097$  S/m;  $\epsilon_r = 52.689$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN7505; ConvF(7.23, 7.23, 7.23) @ 2560 MHz; Calibrated: 2018-6-12
- Sensor-Surface: 1.4mm (Mechanical Surface Detection),  $z = 1.0, 31.0$
- Electronics: DAE4 Sn1492; Calibrated: 2018-11-14
- Phantom: SAM2; Type: SAM; Serial: 1474
- DASY52 52.10.1(1476); SEMCAD X 14.6.11(7439)

**Configuration/Body/Area Scan (7x13x1):** Measurement grid:  $dx=12$ mm,  $dy=12$ mm

Maximum value of SAR (measured) = 0.804 W/kg

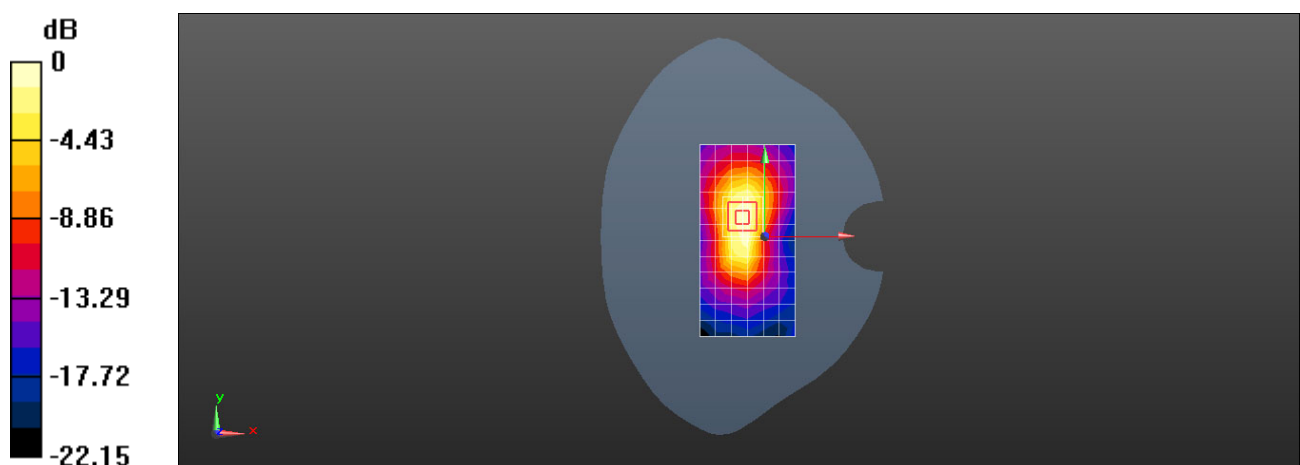
**Configuration/Body/Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

Reference Value = 21.03 V/m; Power Drift = -0.07 dB

Peak SAR (extrapolated) = 1.06 W/kg

**SAR(1 g) = 0.606 W/kg; SAR(10 g) = 0.314 W/kg**

Maximum value of SAR (measured) = 0.908 W/kg



0 dB = 0.804 W/kg = -0.95 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

## VOG-L29 LTE Band 7 20M QPSK 50%RB 0 Offset 20850CH Bottom Side 0mm- Main Antenna

**DUT: VOG-L29; Type: Smart Phone; Serial: SAR1**

Communication System: UID 0, LTE-FDD (SC-FDMA, 20MHz, QPSK/16-QAM) (0); Frequency: 2510 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 2510$  MHz;  $\sigma = 2.05$  S/m;  $\epsilon_r = 52.75$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN7505; ConvF(7.23, 7.23, 7.23) @ 2510 MHz; Calibrated: 2018-6-12
- Sensor-Surface: 1.4mm (Mechanical Surface Detection),  $z = 1.0, 31.0$
- Electronics: DAE4 Sn1492; Calibrated: 2018-11-14
- Phantom: SAM2; Type: SAM; Serial: 1474
- DASY52 52.10.1(1476); SEMCAD X 14.6.11(7439)

**Configuration/Body/Area Scan (7x11x1):** Measurement grid:  $dx=12$ mm,  $dy=12$ mm

Maximum value of SAR (measured) = 3.46 W/kg

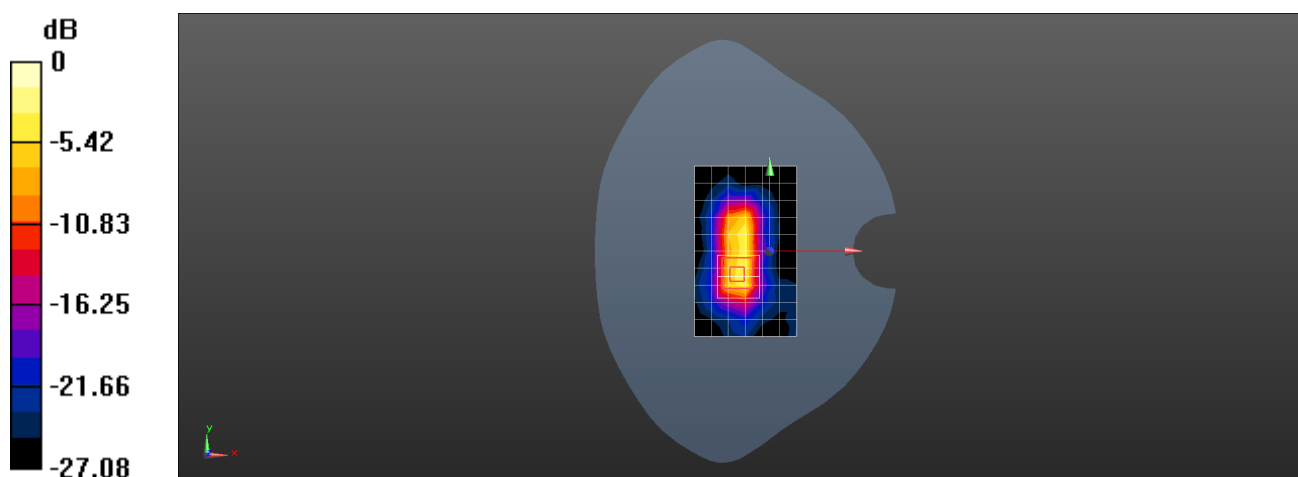
**Configuration/Body/Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

Reference Value = 41.33 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 9.63 W/kg

**SAR(1 g) = 4.13 W/kg; SAR(10 g) = 1.43 W/kg**

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



0 dB = 7.82 W/kg = 8.93 dBW/kg