

**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>LTE Band XXVI Head Second Antenna</b>
<b>LTE Band XXVI Body Second Antenna</b>
<b>LTE Band XLI Head Second Antenna</b>
<b>LTE Band XLI 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>LTE Band XXVI Head Main Antenna</b>
<b>LTE Band XXVI Body Main Antenna</b>
<b>LTE Band XXXVIII Head Main Antenna</b>
<b>LTE Band XXXVIII Body Main Antenna</b>
<b>LTE Band XLI Head Main Antenna</b>
<b>LTE Band XLI Body Main Antenna</b>
<b>WiFi 2.4G Head</b>
<b>WiFi 2.4G Body</b>
<b>WiFi 5G Head</b>
<b>WiFi 5G Body</b>

Test Laboratory: HUAWEI SAR/HAC Lab

## VTR-L29 GSM850 190CH Right touch with Battery 2-Second Antenna

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

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

Medium parameters used:  $f = 837$  MHz;  $\sigma = 0.87$  S/m;  $\epsilon_r = 40.27$ ;  $\rho = 1000$  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 Sn914; Calibrated: 2016-1-7
- ε Phantom: SAM3; Type: SAM; Serial: TP-1597
- ε DASY52 52.8.8(1258); SEMCAD X 14.6.10(7331)

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

Maximum value of SAR (measured) = 1.23 W/kg

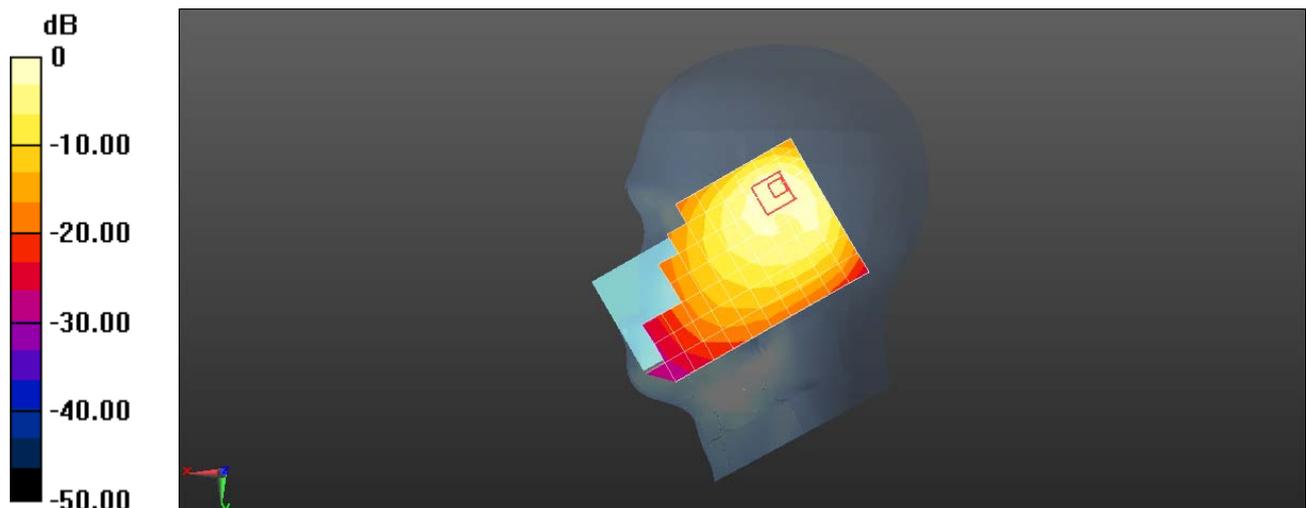
**Configuration/Head/Zoom Scan (6x6x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 21.42 V/m; Power Drift = 0.17 dB

Peak SAR (extrapolated) = 2.41 W/kg

**SAR(1 g) = 1.05 W/kg; SAR(10 g) = 0.547 W/kg**

Maximum value of SAR (measured) = 1.66 W/kg



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

Test Laboratory: HUAWEI SAR/HAC Lab

## **VTR-L29 GSM850 190CH Back side 15mm with Battery 3-Second Antenna**

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

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

Medium parameters used:  $f = 837$  MHz;  $\sigma = 1.01$  S/m;  $\epsilon_r = 53.042$ ;  $\rho = 1000$  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 Sn914; Calibrated: 2016-1-7
- ε Phantom: SAM4; Type: SAM; Serial: TP-1620
- ε DASY52 52.8.8(1258); SEMCAD X 14.6.10(7331)

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

Maximum value of SAR (measured) = 0.236 W/kg

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

Reference Value = 14.46 V/m; Power Drift = -0.08 dB

Peak SAR (extrapolated) = 0.261 W/kg

**SAR(1 g) = 0.197 W/kg; SAR(10 g) = 0.149 W/kg**

Maximum value of SAR (measured) = 0.240 W/kg

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

Reference Value = 14.46 V/m; Power Drift = -0.08 dB

Peak SAR (extrapolated) = 0.256 W/kg

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

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

Test Laboratory: HUAWEI SAR/HAC Lab

## VTR-L29 GSM850 GPRS 2TS 190CH Left side 10mm-Second Antenna

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

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

Medium parameters used:  $f = 837 \text{ MHz}$ ;  $\sigma = 1.01 \text{ S/m}$ ;  $\epsilon_r = 53.042$ ;  $\rho = 1000 \text{ kg/m}^3$

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 Sn914; Calibrated: 2016-1-7
- ε Phantom: SAM4; Type: SAM; Serial: TP-1620
- ε DASY52 52.8.8(1258); SEMCAD X 14.6.10(7331)

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

Maximum value of SAR (measured) = 0.492 W/kg

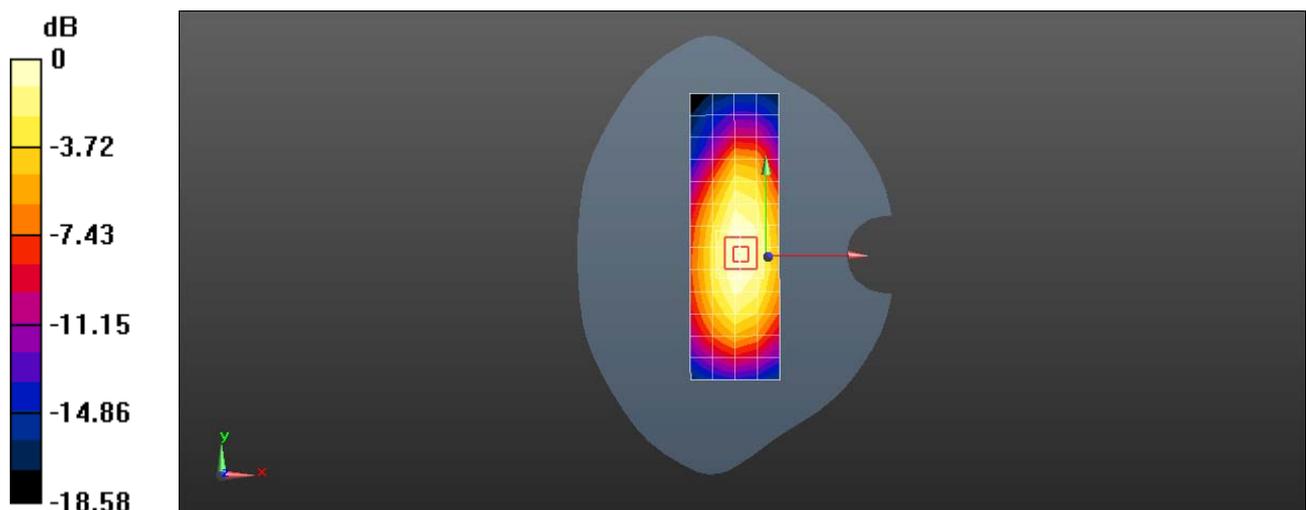
**Configuration/Body/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$

Reference Value = 20.97 V/m; Power Drift = -0.09 dB

Peak SAR (extrapolated) = 0.588 W/kg

**SAR(1 g) = 0.401 W/kg; SAR(10 g) = 0.271 W/kg**

Maximum value of SAR (measured) = 0.524 W/kg



0 dB = 0.492 W/kg = -3.08 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

## VTR-L29 GSM1900 512CH Right touch-Second Antenna

**DUT: VTR-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;  $\sigma = 1.366$  S/m;  $\epsilon_r = 39.307$ ;  $\rho = 1000$  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 Sn852; Calibrated: 2016-4-20
- ε Phantom: SAM2; Type: SAM; Serial: TP:1474
- ε DASY52 52.8.8(1258); 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) = 1.23 W/kg

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

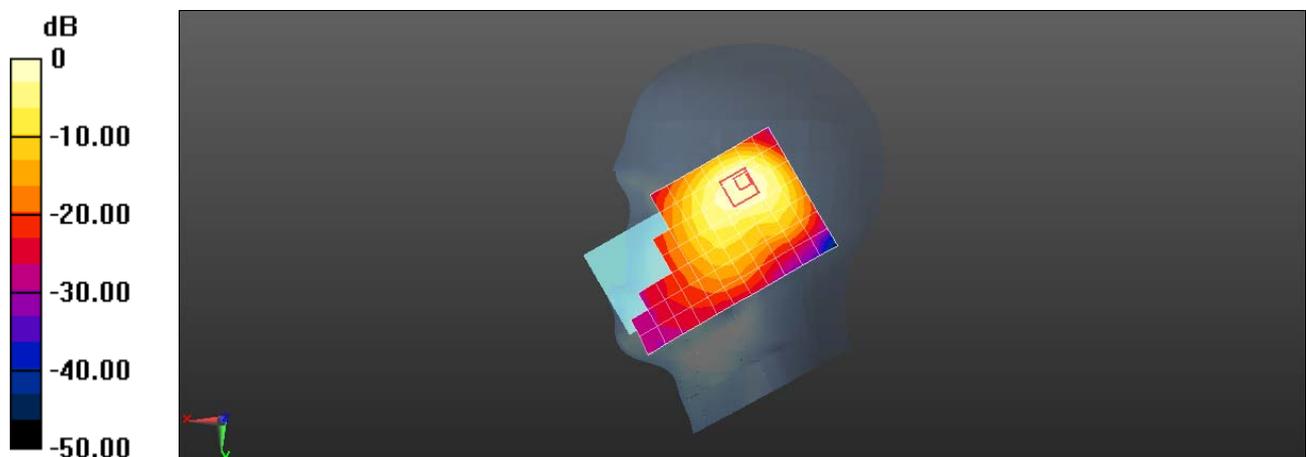
Reference Value = 20.06 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 2.51 W/kg

**SAR(1 g) = 1.17 W/kg; SAR(10 g) = 0.644 W/kg**

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

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



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

Test Laboratory: HUAWEI SAR/HAC Lab

### VTR-L29 GSM1900 661CH Back side 15mm-Second Antenna

**DUT: VTR-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;  $\sigma = 1.496$  S/m;  $\epsilon_r = 52.382$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY Configuration:

- ⊖ Probe: ES3DV3 - SN3168; ConvF(4.99, 4.99, 4.99); Calibrated: 2016-9-27;
- ⊖ Sensor-Surface: 3mm (Mechanical Surface Detection),  $z = 2.0, 32.0$
- ⊖ Electronics: DAE4 Sn852; Calibrated: 2016-4-20
- ⊖ Phantom: SAM1; Type: SAM; Serial: TP-1475
- ⊖ DASY52 52.8.8(1258); SEMCAD X 14.6.10(7331)

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

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

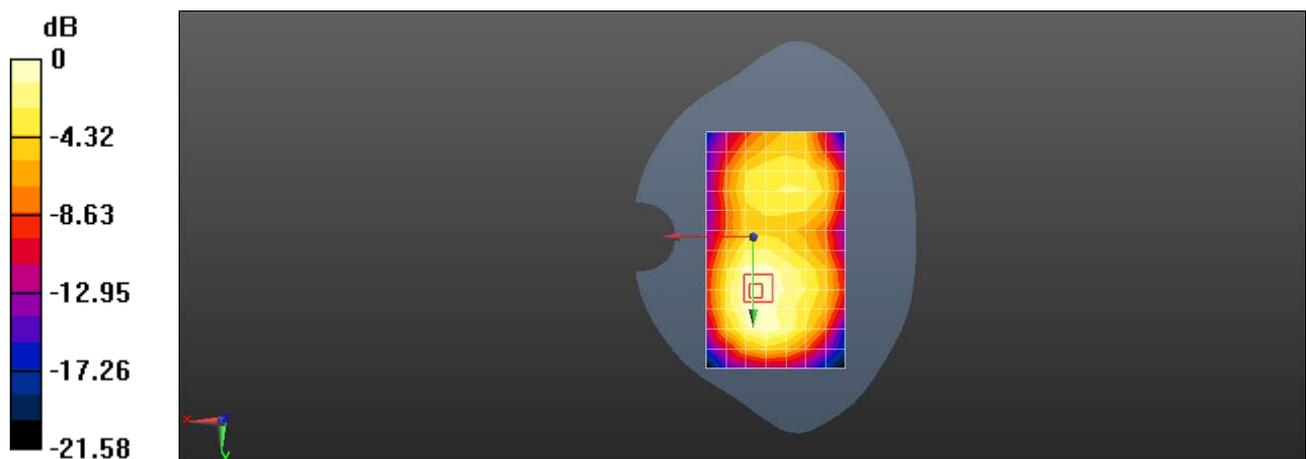
**Configuration/Body/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 5.177 V/m; Power Drift = 0.16 dB

Peak SAR (extrapolated) = 0.157 W/kg

**SAR(1 g) = 0.105 W/kg; SAR(10 g) = 0.067 W/kg**

Maximum value of SAR (measured) = 0.122 W/kg



0 dB = 0.110 W/kg = -9.59 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

### VTR-L29 GSM1900 GPRS 2Ts 661CH Left side 10mm-Second Antenna

**DUT: VTR-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;  $\sigma = 1.496$  S/m;  $\epsilon_r = 52.382$ ;  $\rho = 1000$  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 Sn852; Calibrated: 2016-4-20
- ε Phantom: SAM1; Type: SAM; Serial: TP-1475
- ε DASY52 52.8.8(1258); SEMCAD X 14.6.10(7331)

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

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

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

Reference Value = 8.927 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 0.404 W/kg

**SAR(1 g) = 0.252 W/kg; SAR(10 g) = 0.150 W/kg**

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

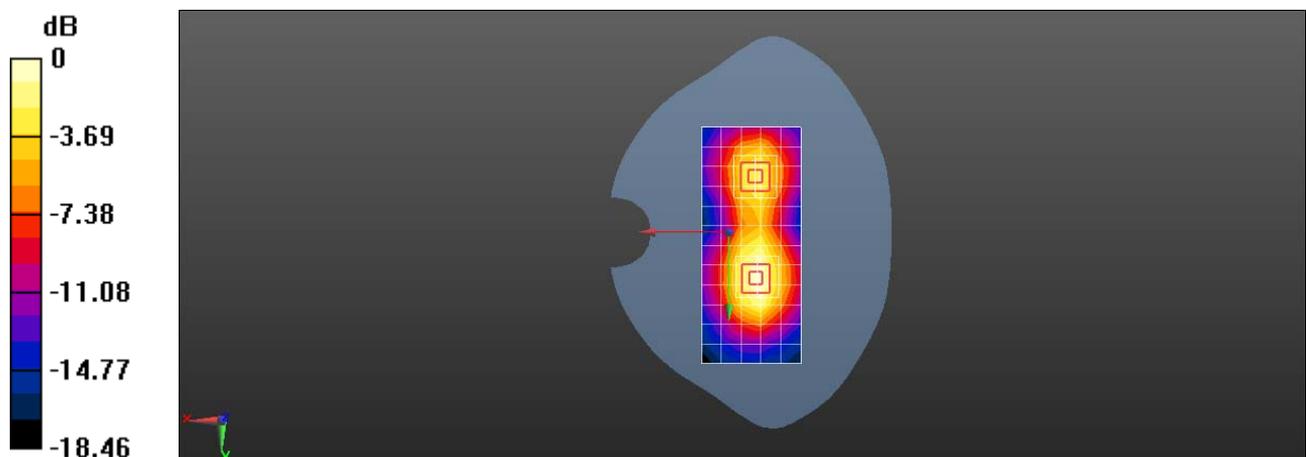
**Configuration/Body/Zoom Scan (5x5x7)/Cube 1:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 8.927 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 0.255 W/kg

**SAR(1 g) = 0.160 W/kg; SAR(10 g) = 0.095 W/kg**

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



0 dB = 0.282 W/kg = -5.50 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

## VTR-L29 UMTS Band II 9538CH Right touch-Second Antenna

**DUT: VTR-L29; 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;  $\sigma = 1.423$  S/m;  $\epsilon_r = 39.038$ ;  $\rho = 1000$  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 Sn852; Calibrated: 2016-4-20
- ε Phantom: SAM2; Type: SAM; Serial: TP:1474
- ε DASY52 52.8.8(1258); SEMCAD X 14.6.10(7331)

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

Maximum value of SAR (measured) = 1.27 W/kg

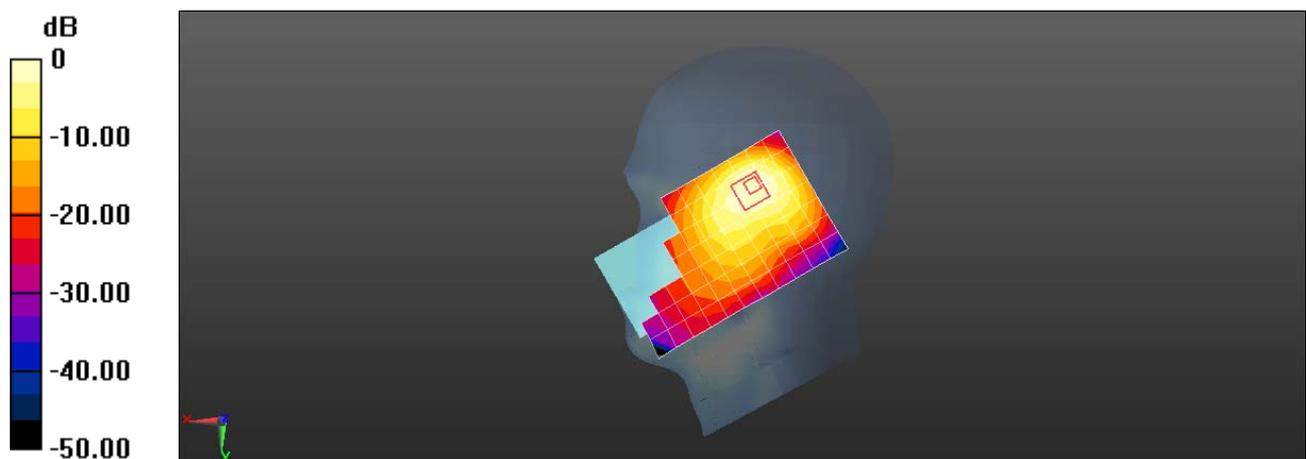
**Configuration/Head/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 18.93 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 2.48 W/kg

**SAR(1 g) = 1.2 W/kg; SAR(10 g) = 0.657 W/kg**

Maximum value of SAR (measured) = 1.40 W/kg



0 dB = 1.27 W/kg = 1.04 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

## VTR-L29 UMTS Band II 9400CH Back side 15mm-Second Antenna

**DUT: VTR-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;  $\sigma = 1.496$  S/m;  $\epsilon_r = 52.382$ ;  $\rho = 1000$  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 Sn852; Calibrated: 2016-4-20
- ε Phantom: SAM1; Type: SAM; Serial: TP-1475
- ε DASY52 52.8.8(1258); SEMCAD X 14.6.10(7331)

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

Maximum value of SAR (measured) = 0.124 W/kg

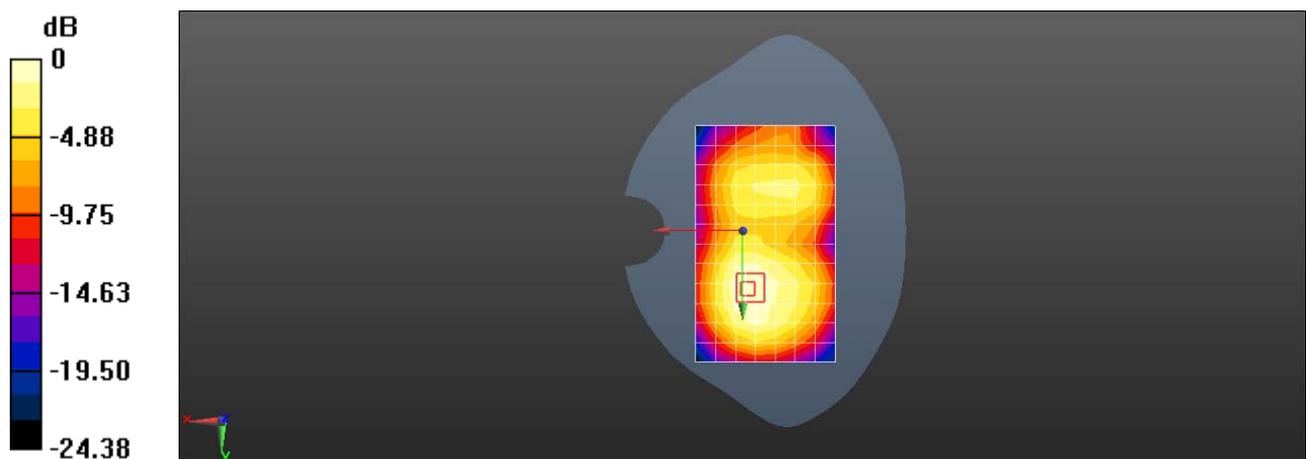
**Configuration/Body/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 4.679 V/m; Power Drift = 0.14 dB

Peak SAR (extrapolated) = 0.170 W/kg

**SAR(1 g) = 0.113 W/kg; SAR(10 g) = 0.072 W/kg**

Maximum value of SAR (measured) = 0.132 W/kg



0 dB = 0.124 W/kg = -9.07 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

## VTR-L29 UMTS Band II 9400CH Left side 10mm with Battery 2-Second Antenna

**DUT: VTR-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;  $\sigma = 1.52$  S/m;  $\epsilon_r = 51.802$ ;  $\rho = 1000$  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 Sn852; Calibrated: 2016-4-20
- ε Phantom: SAM2; Type: SAM; Serial: TP:1474
- ε DASY52 52.8.8(1258); SEMCAD X 14.6.10(7331)

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

Maximum value of SAR (measured) = 0.207 W/kg

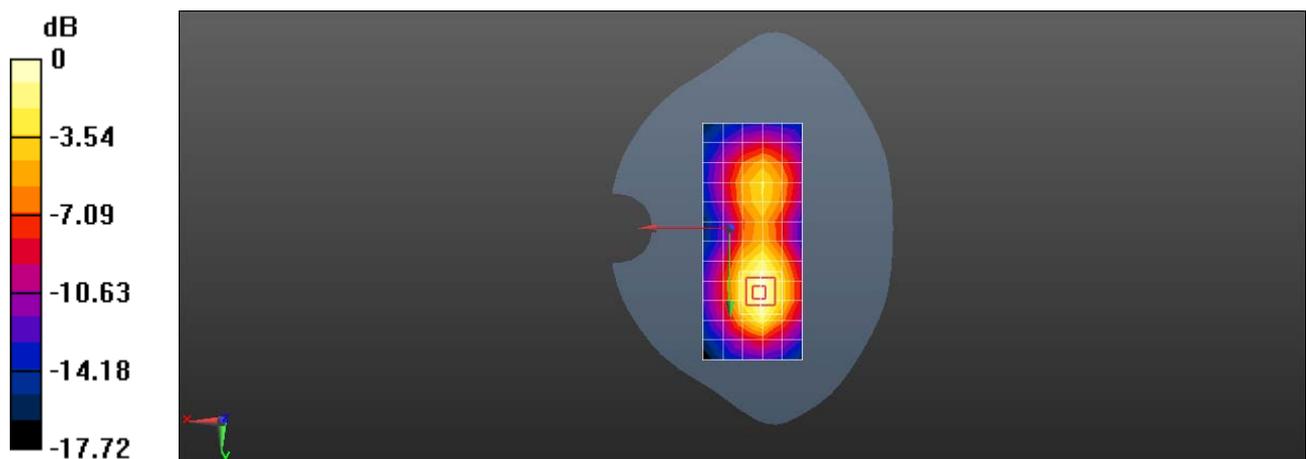
**Configuration/Body/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 6.273 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 0.235 W/kg

**SAR(1 g) = 0.146 W/kg; SAR(10 g) = 0.086 W/kg**

Maximum value of SAR (measured) = 0.176 W/kg



0 dB = 0.207 W/kg = -6.84 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

## VTR-L29 UMTS Band IV 1513CH Right touch-Second Antenna

**DUT: VTR-L29; 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;  $\sigma = 1.327$  S/m;  $\epsilon_r = 40.564$ ;  $\rho = 1000$  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 Sn852; Calibrated: 2016-4-20
- ε Phantom: SAM2; Type: SAM; Serial: TP:1474
- ε DASY52 52.8.8(1258); SEMCAD X 14.6.10(7331)

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

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

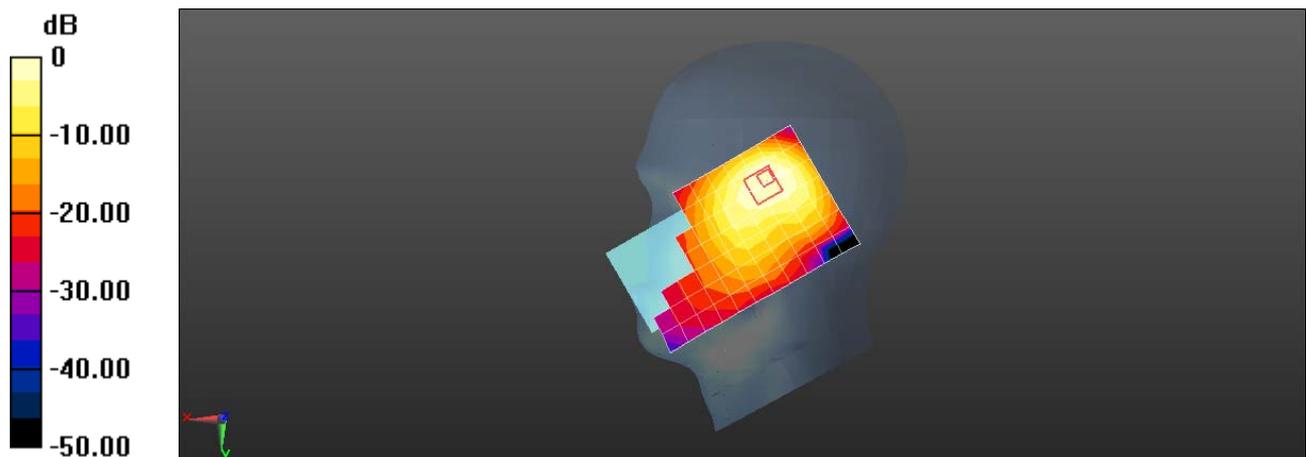
**Configuration/Head/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 20.47 V/m; Power Drift = 0.00 dB

Peak SAR (extrapolated) = 2.34 W/kg

**SAR(1 g) = 1.12 W/kg; SAR(10 g) = 0.626 W/kg**

Maximum value of SAR (measured) = 1.29 W/kg



0 dB = 1.16 W/kg = 0.64 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

## VTR-L29 UMTS Band IV 1413CH Back side 15mm-Second Antenna

**DUT: VTR-L29; 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;  $\sigma = 1.445$  S/m;  $\epsilon_r = 53.899$ ;  $\rho = 1000$  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 Sn852; Calibrated: 2016-4-20
- ε Phantom: SAM1; Type: SAM; Serial: TP-1475
- ε DASY52 52.8.8(1258); SEMCAD X 14.6.10(7331)

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

Maximum value of SAR (measured) = 0.0924 W/kg

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

Reference Value = 4.675 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 0.141 W/kg

**SAR(1 g) = 0.084 W/kg; SAR(10 g) = 0.048 W/kg**

Maximum value of SAR (measured) = 0.0950 W/kg

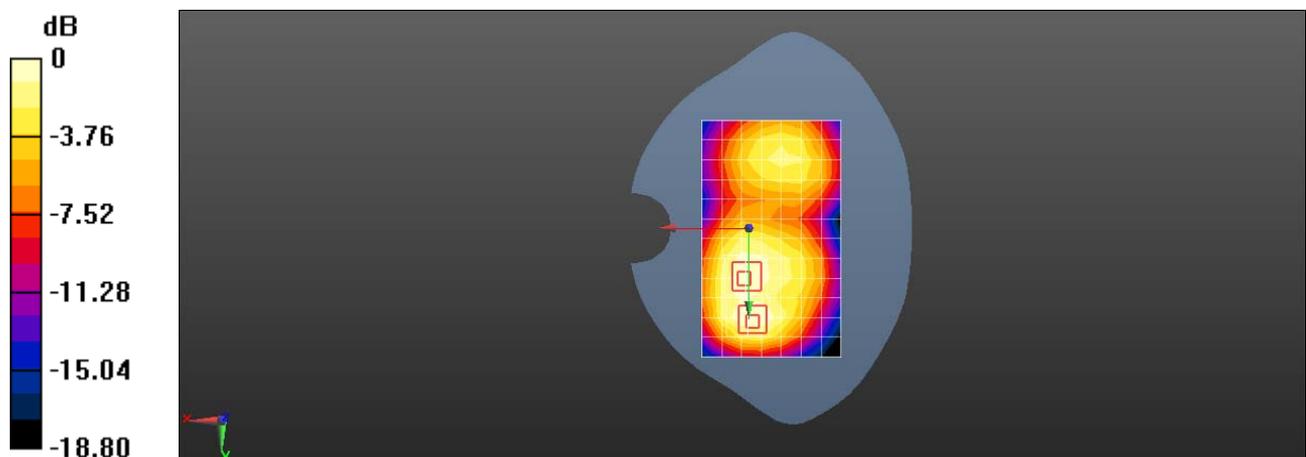
**Configuration/Body/Zoom Scan (5x5x7)/Cube 1:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 4.675 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 0.115 W/kg

**SAR(1 g) = 0.080 W/kg; SAR(10 g) = 0.053 W/kg**

Maximum value of SAR (measured) = 0.0911 W/kg



0 dB = 0.0924 W/kg = -10.34 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

## VTR-L29 UMTS Band IV 1413CH Top side 10mm-Second Antenna

**DUT: VTR-L29; 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;  $\sigma = 1.445$  S/m;  $\epsilon_r = 53.899$ ;  $\rho = 1000$  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 Sn852; Calibrated: 2016-4-20
- ε Phantom: SAM1; Type: SAM; Serial: TP-1475
- ε DASY52 52.8.8(1258); SEMCAD X 14.6.10(7331)

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

Maximum value of SAR (measured) = 0.212 W/kg

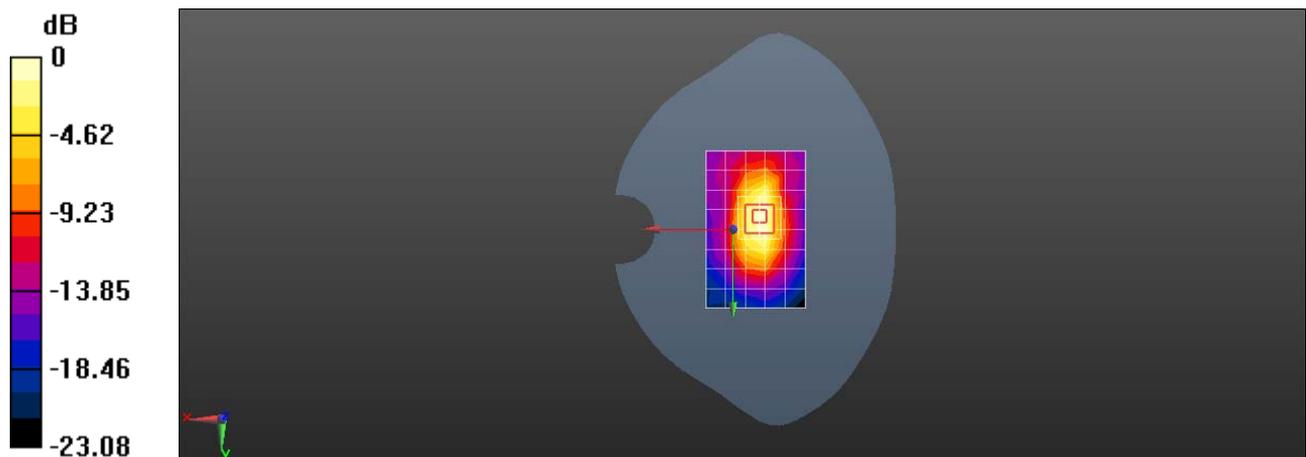
**Configuration/Body/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 12.51 V/m; Power Drift = 0.13 dB

Peak SAR (extrapolated) = 0.360 W/kg

**SAR(1 g) = 0.207 W/kg; SAR(10 g) = 0.109 W/kg**

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



0 dB = 0.212 W/kg = -6.74 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

## VTR-L29 UMTS Band V 4132CH Right touch with Battery 2-Second Antenna

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

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;  $\sigma = 0.925$  S/m;  $\epsilon_r = 43.434$ ;  $\rho = 1000$  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 Sn914; Calibrated: 2016-1-7
- ε Phantom: SAM3; Type: SAM; Serial: TP-1597
- ε DASY52 52.8.8(1258); 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) = 2.08 W/kg

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

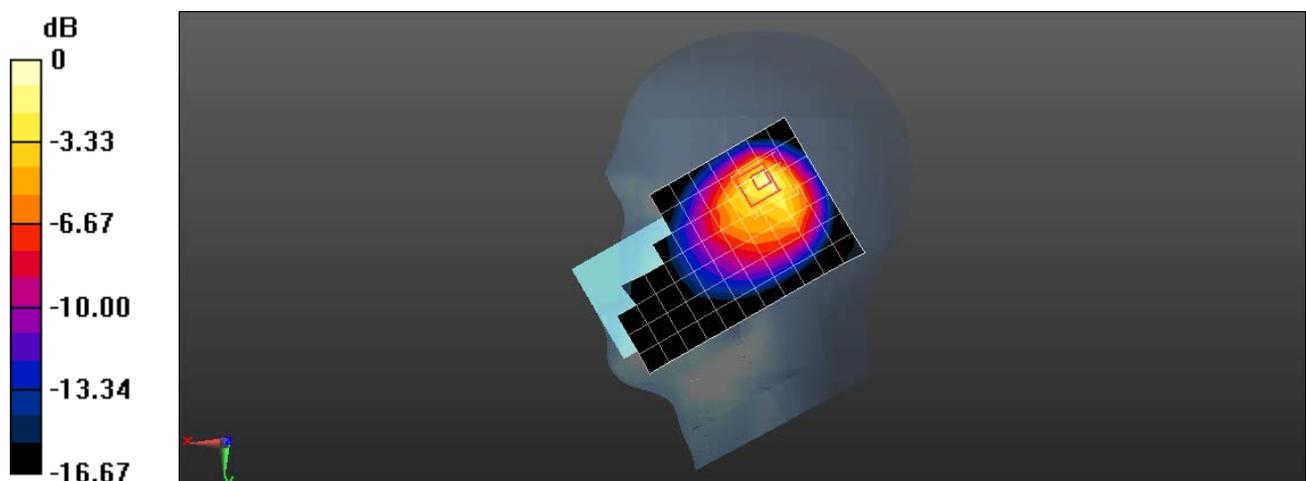
Reference Value = 23.43 V/m; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 3.09 W/kg

**SAR(1 g) = 1.27 W/kg; SAR(10 g) = 0.651 W/kg**

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

Maximum value of SAR (measured) = 2.29 W/kg



0 dB = 2.29 W/kg = 3.60 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

## VTR-L29 UMTS Band V 4182CH Back side 15mm-Second Antenna

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

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

Medium parameters used (interpolated):  $f = 836.4$  MHz;  $\sigma = 1.009$  S/m;  $\epsilon_r = 53.05$ ;  $\rho = 1000$  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 Sn914; Calibrated: 2016-1-7
- ε Phantom: SAM4; Type: SAM; Serial: TP-1620
- ε DASY52 52.8.8(1258); SEMCAD X 14.6.10(7331)

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

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

Maximum value of SAR (measured) = 0.221 W/kg

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

Reference Value = 13.72 V/m; Power Drift = -0.08 dB

Peak SAR (extrapolated) = 0.248 W/kg

**SAR(1 g) = 0.186 W/kg; SAR(10 g) = 0.140 W/kg**

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

Maximum value of SAR (measured) = 0.225 W/kg

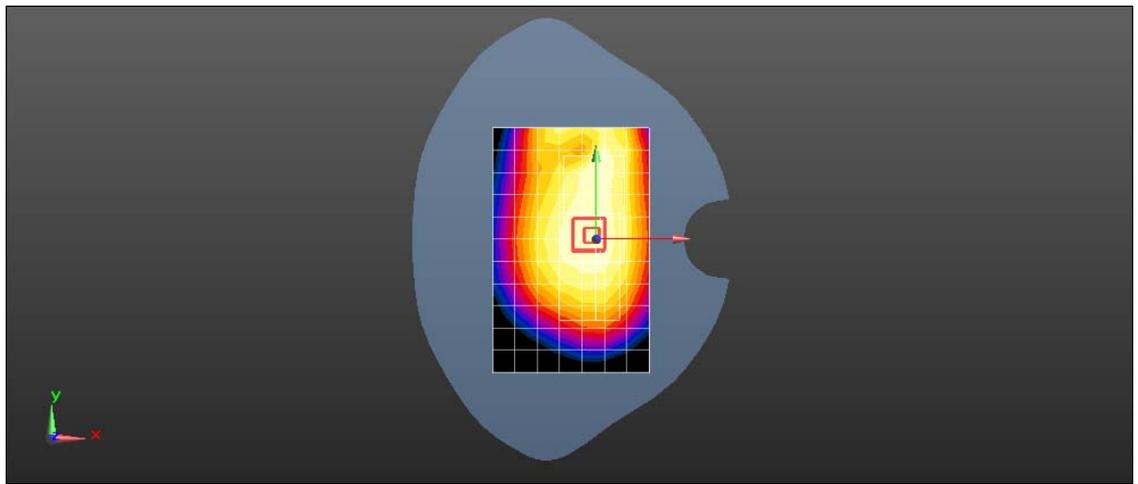
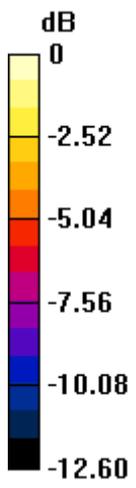
**Configuration/Body/Zoom Scan (6x10x7)/Cube 1:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 13.72 V/m; Power Drift = -0.08 dB

Peak SAR (extrapolated) = 0.246 W/kg

**SAR(1 g) = 0.185 W/kg; SAR(10 g) = 0.139 W/kg**

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



0 dB = 0.220 W/kg = -6.57 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

## VTR-L29 UMTS Band V 4182CH Left side 10mm with Battery 3-Second Antenna

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

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

Medium parameters used (interpolated):  $f = 836.4$  MHz;  $\sigma = 1.009$  S/m;  $\epsilon_r = 53.05$ ;  $\rho = 1000$  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 Sn914; Calibrated: 2016-1-7
- ε Phantom: SAM4; Type: SAM; Serial: TP-1620
- ε DASY52 52.8.8(1258); 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) = 0.446 W/kg

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

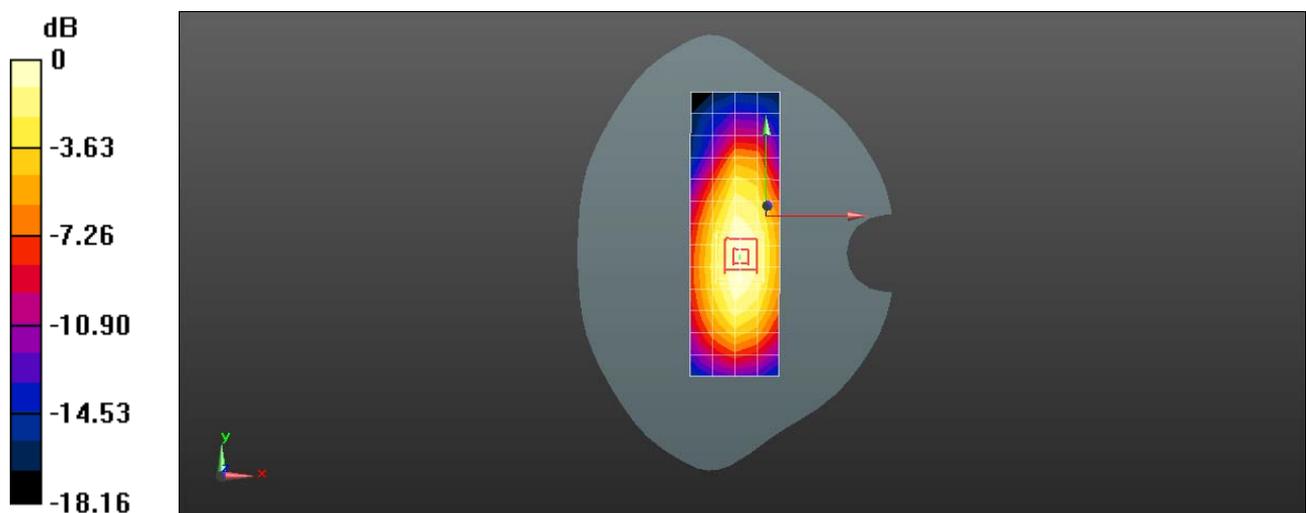
Reference Value = 19.73 V/m; Power Drift = -0.09 dB

Peak SAR (extrapolated) = 0.524 W/kg

**SAR(1 g) = 0.354 W/kg; SAR(10 g) = 0.239 W/kg**

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

Maximum value of SAR (measured) = 0.464 W/kg



0 dB = 0.446 W/kg = -3.51 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

## VTR-L29 LTE Band II 20M QPSK 1RB 50 offset 19100CH Right touch-Second Antenna-Repeated

**DUT: VTR-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;  $\sigma = 1.419$  S/m;  $\epsilon_r = 40.552$ ;  $\rho = 1000$  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 Sn852; Calibrated: 2016-4-20
- ε Phantom: SAM2; Type: SAM; Serial: TP:1474
- ε DASY52 52.8.8(1258); SEMCAD X 14.6.10(7331)

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

Maximum value of SAR (measured) = 0.995 W/kg

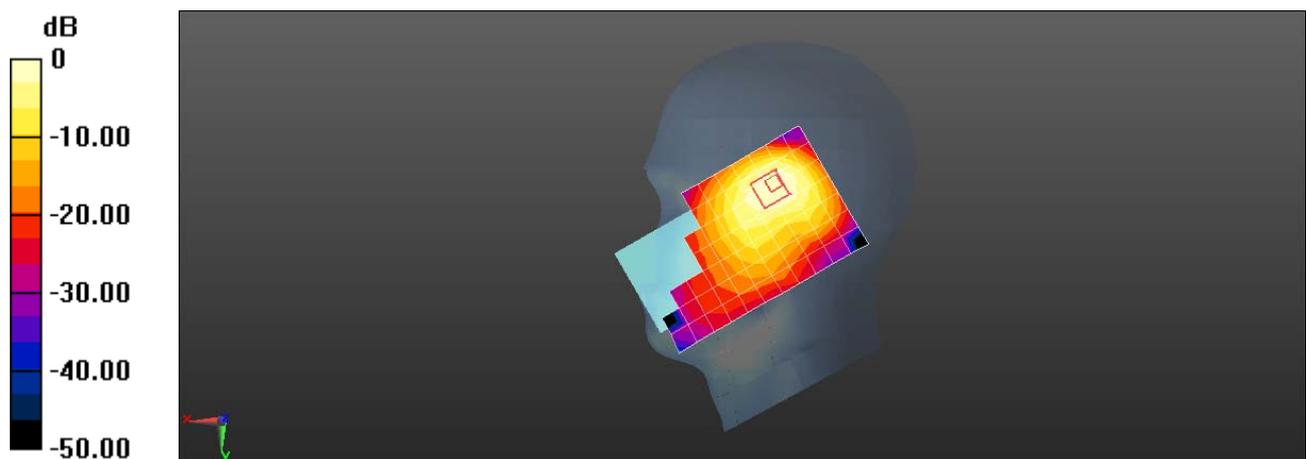
**Configuration/Head/Zoom Scan (5x6x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 18.03 V/m; Power Drift = -0.12 dB

Peak SAR (extrapolated) = 1.87 W/kg

**SAR(1 g) = 0.898 W/kg; SAR(10 g) = 0.491 W/kg**

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



0 dB = 0.995 W/kg = -0.02 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

## VTR-L29 LTE Band II 20M QPSK 1RB 50 offset 18900CH Front side 15mm-Second Antenna

**DUT: VTR-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;  $\sigma = 1.496$  S/m;  $\epsilon_r = 52.382$ ;  $\rho = 1000$  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 Sn852; Calibrated: 2016-4-20
- ε Phantom: SAM1; Type: SAM; Serial: TP-1475
- ε DASY52 52.8.8(1258); SEMCAD X 14.6.10(7331)

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

Maximum value of SAR (measured) = 0.0626 W/kg

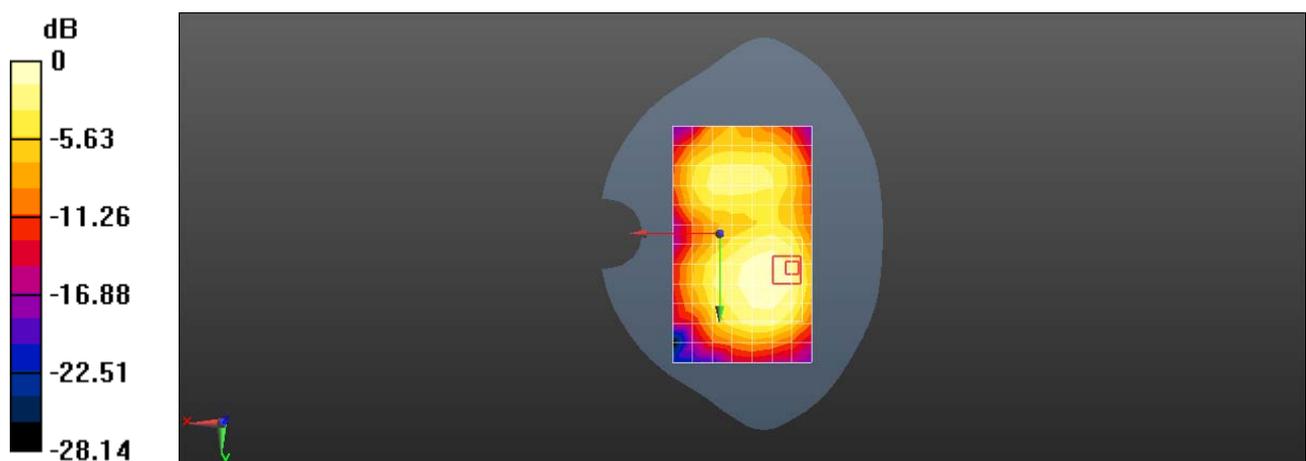
**Configuration/Body/Zoom Scan (9x9x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 3.561 V/m; Power Drift = 0.19 dB

Peak SAR (extrapolated) = 0.116 W/kg

**SAR(1 g) = 0.071 W/kg; SAR(10 g) = 0.040 W/kg**

Maximum value of SAR (measured) = 0.0930 W/kg



0 dB = 0.0626 W/kg = -12.03 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

### VTR-L29 LTE Band II 20M QPSK 1RB 50 offset 18900CH Left side 10mm-Second Antenna

**DUT: VTR-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;  $\sigma = 1.496$  S/m;  $\epsilon_r = 52.382$ ;  $\rho = 1000$  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 Sn852; Calibrated: 2016-4-20
- ε Phantom: SAM1; Type: SAM; Serial: TP-1475
- ε DASY52 52.8.8(1258); SEMCAD X 14.6.10(7331)

**Configuration/Body/Area Scan (6x13x1):** Measurement grid:  $dx=15$ mm,  $dy=15$ mm  
Maximum value of SAR (measured) = 0.102 W/kg

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

Reference Value = 6.435 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 0.169 W/kg

**SAR(1 g) = 0.106 W/kg; SAR(10 g) = 0.062 W/kg**

Maximum value of SAR (measured) = 0.128 W/kg

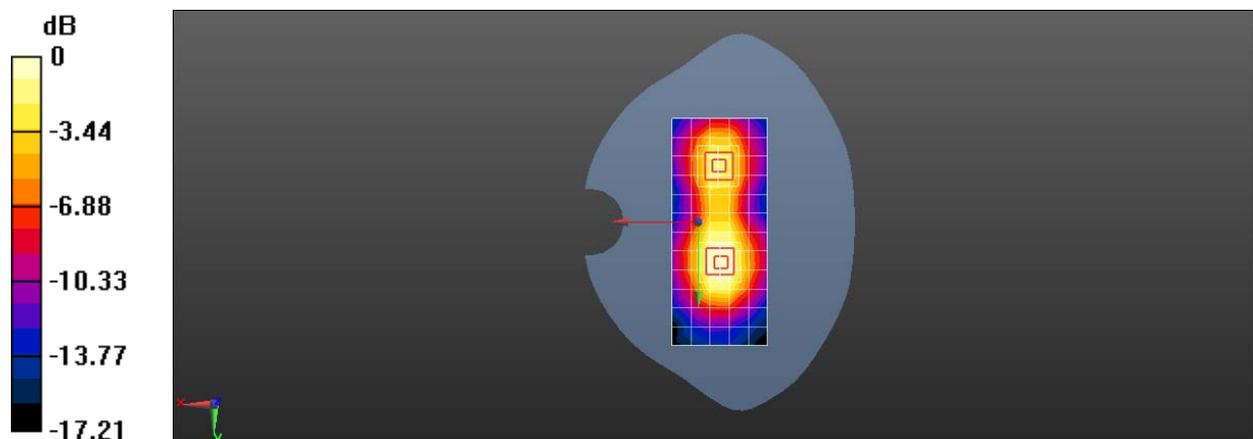
**Configuration/Body/Zoom Scan (5x5x7)/Cube 1:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 6.435 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 0.109 W/kg

**SAR(1 g) = 0.069 W/kg; SAR(10 g) = 0.041 W/kg**

Maximum value of SAR (measured) = 0.0828 W/kg



0 dB = 0.102 W/kg = -9.91 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

## VTR-L29 LTE Band IV 20M QPSK 50RB 25 offset 20300CH Right touch-Second Antenna

**DUT: VTR-L29; 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;  $\sigma = 1.319$  S/m;  $\epsilon_r = 40.601$ ;  $\rho = 1000$  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 Sn852; Calibrated: 2016-4-20
- ε Phantom: SAM2; Type: SAM; Serial: TP:1474
- ε DASY52 52.8.8(1258); SEMCAD X 14.6.10(7331)

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

Maximum value of SAR (measured) = 1.14 W/kg

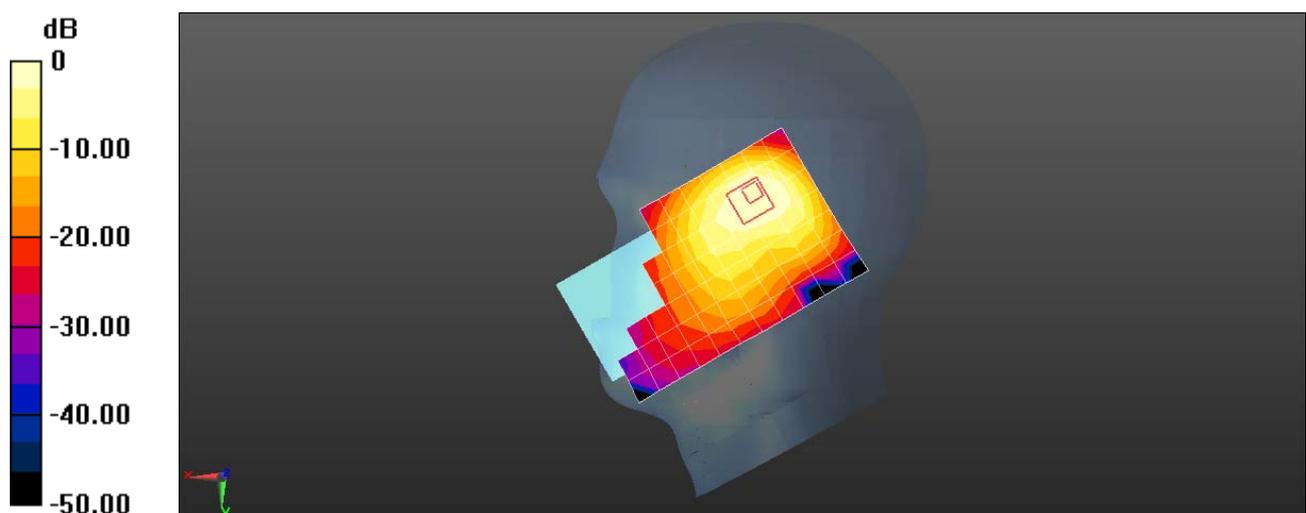
**Configuration/Head/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 20.62 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 2.29 W/kg

**SAR(1 g) = 1.09 W/kg; SAR(10 g) = 0.610 W/kg**

Maximum value of SAR (measured) = 1.27 W/kg



0 dB = 1.14 W/kg = 0.57 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

### VTR-L29 LTE Band IV 20M QPSK 1RB 50 offset 20050CH Back side 15mm-Second Antenna

**DUT: VTR-L29; 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;  $\sigma = 1.434$  S/m;  $\epsilon_r = 53.921$ ;  $\rho = 1000$  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 Sn852; Calibrated: 2016-4-20
- ε Phantom: SAM1; Type: SAM; Serial: TP-1475
- ε DASY52 52.8.8(1258); SEMCAD X 14.6.10(7331)

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

Maximum value of SAR (measured) = 0.0886 W/kg

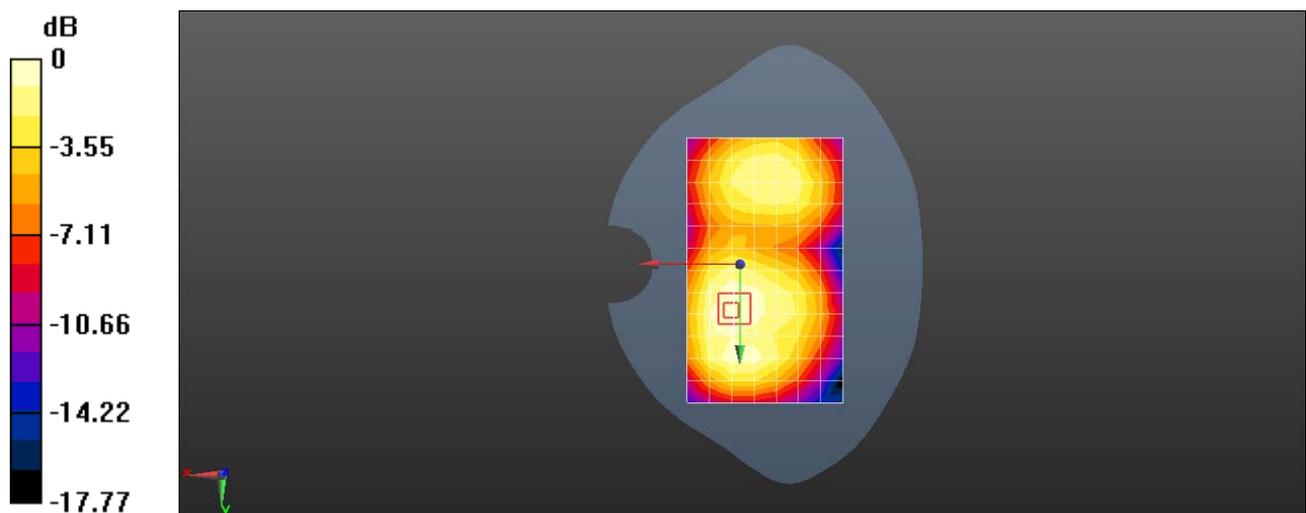
**Configuration/Body/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 8.827 V/m; Power Drift = -0.07 dB

Peak SAR (extrapolated) = 0.157 W/kg

**SAR(1 g) = 0.095 W/kg; SAR(10 g) = 0.053 W/kg**

Maximum value of SAR (measured) = 0.116 W/kg



0 dB = 0.0886 W/kg = -10.53 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

### VTR-L29 LTE Band IV 20M QPSK 50RB 25 offset 20050CH Top side 10mm with Battery 2-Second Antenna

**DUT: VTR-L29; 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;  $\sigma = 1.434$  S/m;  $\epsilon_r = 53.921$ ;  $\rho = 1000$  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 Sn852; Calibrated: 2016-4-20
- ε Phantom: SAM1; Type: SAM; Serial: TP-1475
- ε DASY52 52.8.8(1258); SEMCAD X 14.6.10(7331)

**Configuration/Body/Area Scan (5x9x1):** Measurement grid:  $dx=15$ mm,  $dy=15$ mm  
Maximum value of SAR (measured) = 0.237 W/kg

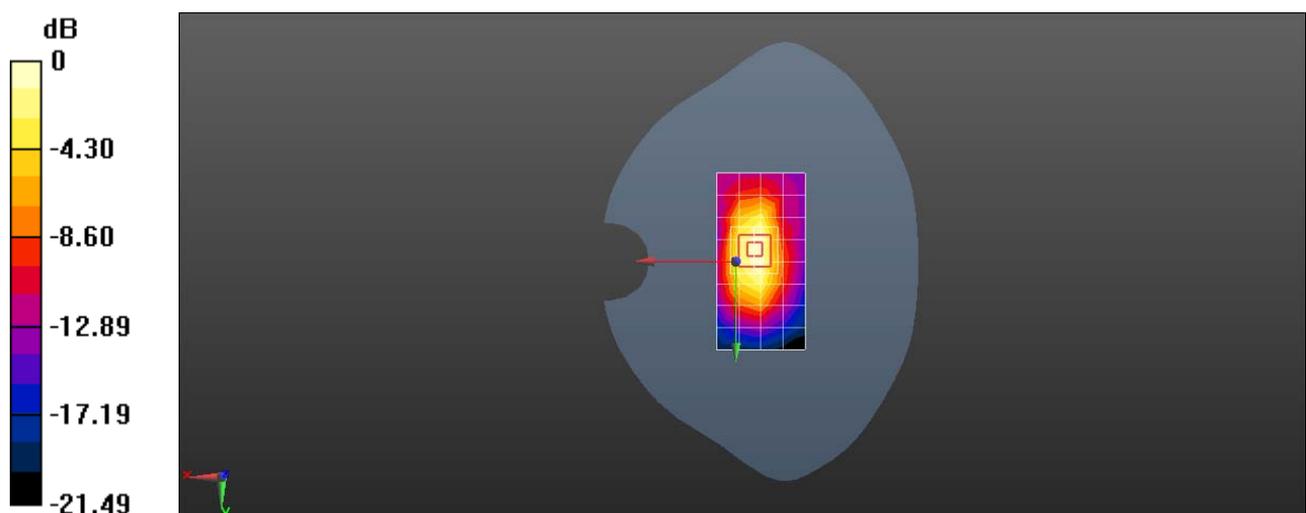
**Configuration/Body/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 13.29 V/m; Power Drift = -0.19 dB

Peak SAR (extrapolated) = 0.417 W/kg

**SAR(1 g) = 0.242 W/kg; SAR(10 g) = 0.129 W/kg**

Maximum value of SAR (measured) = 0.303 W/kg



0 dB = 0.237 W/kg = -6.25 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

## VTR-L29 LTE Band V 10M QPSK 1RB 25 offset 20525CH Right touch-Second Antenna

**DUT: VTR-L29; 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;  $\sigma = 0.88$  S/m;  $\epsilon_r = 40.954$ ;  $\rho = 1000$  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 Sn852; Calibrated: 2016-4-20
- ε Phantom: SAM1; Type: SAM; Serial: TP-1475
- ε DASY52 52.8.8(1258); 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) = 1.26 W/kg

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

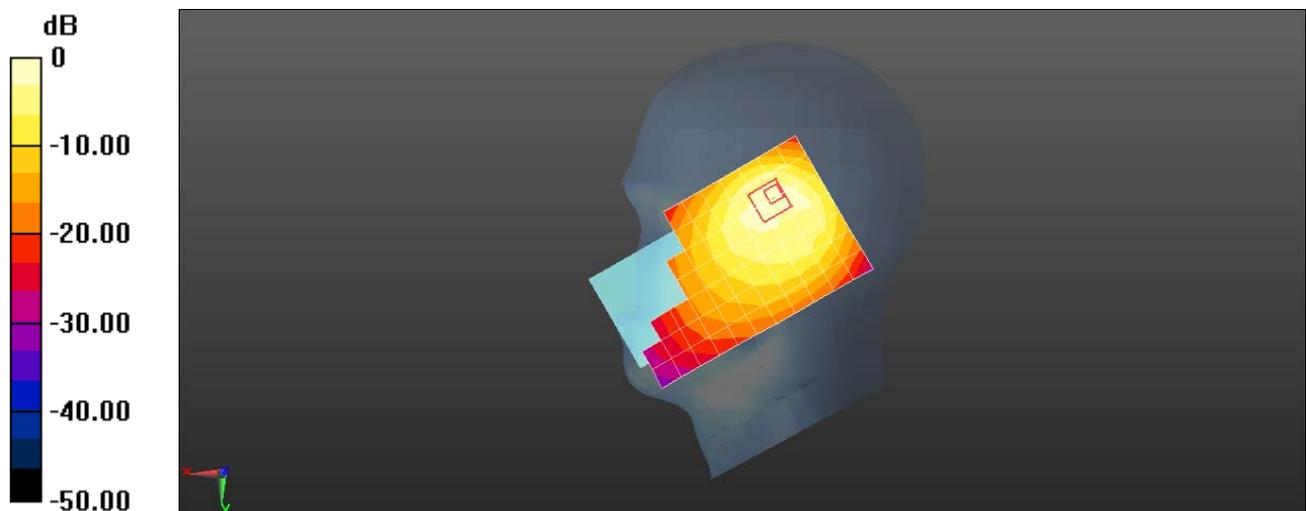
Reference Value = 22.03 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 2.31 W/kg

**SAR(1 g) = 1.01 W/kg; SAR(10 g) = 0.542 W/kg**

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

Maximum value of SAR (measured) = 1.22 W/kg



0 dB = 1.26 W/kg = 1.00 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

### VTR-L29 LTE Band V 10M QPSK 25RB 13 Offset 20600CH Back side 15mm -Second Antenna

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

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

Medium parameters used:  $f = 844$  MHz;  $\sigma = 1.017$  S/m;  $\epsilon_r = 52.959$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

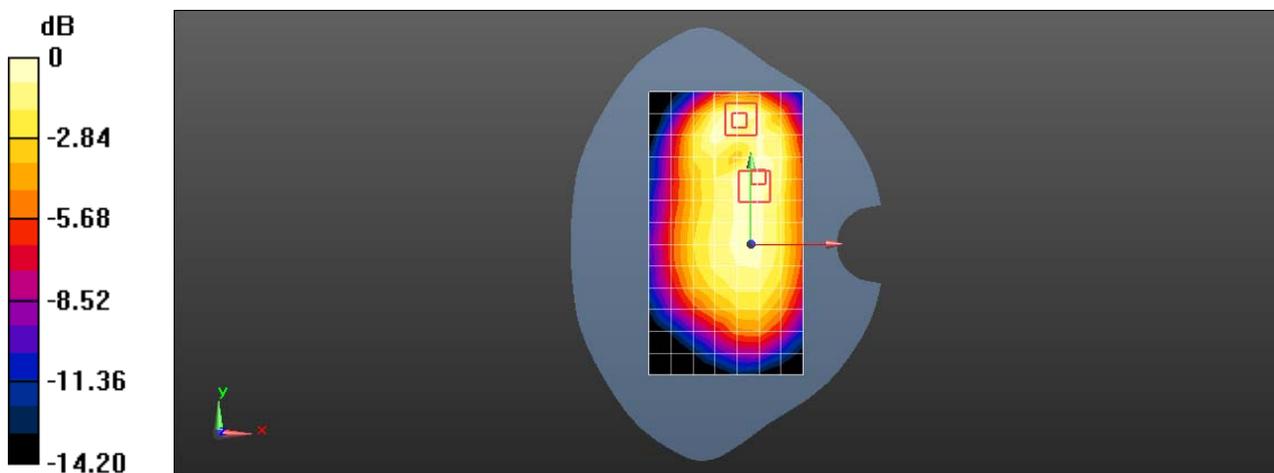
DASY Configuration:

- 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 Sn914; Calibrated: 2016-1-7
- ε Phantom: SAM4; Type: SAM; Serial: TP-1620
- ε DASY52 52.8.8(1258); SEMCAD X 14.6.10(7331)

**Configuration/Body/Area Scan (8x14x1):** Measurement grid:  $dx=15$ mm,  $dy=15$ mm  
Maximum value of SAR (measured) = 0.130 W/kg

**Configuration/Body/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm  
Reference Value = 10.57 V/m; Power Drift = -0.11 dB  
Peak SAR (extrapolated) = 0.179 W/kg  
**SAR(1 g) = 0.107 W/kg; SAR(10 g) = 0.063 W/kg**  
Maximum value of SAR (measured) = 0.146 W/kg

**Configuration/Body/Zoom Scan (5x5x7)/Cube 1:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm  
Reference Value = 10.57 V/m; Power Drift = -0.11 dB  
Peak SAR (extrapolated) = 0.145 W/kg  
**SAR(1 g) = 0.106 W/kg; SAR(10 g) = 0.075 W/kg**



0 dB = 0.130 W/kg = -8.87 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

## **VTR-L29 LTE Band V 10M QPSK 25RB 13 Offset 20600CH Back side 10mm-Second Antenna**

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

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

Medium parameters used:  $f = 844$  MHz;  $\sigma = 1.017$  S/m;  $\epsilon_r = 52.959$ ;  $\rho = 1000$  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 Sn914; Calibrated: 2016-1-7
- ε Phantom: SAM4; Type: SAM; Serial: TP-1620
- ε DASY52 52.8.8(1258); SEMCAD X 14.6.10(7331)

**Configuration/Body/Area Scan (8x14x1):** Measurement grid: dx=15mm, dy=15mm  
Maximum value of SAR (measured) = 0.303 W/kg

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

Reference Value = 10.91 V/m; Power Drift = -0.15 dB

Peak SAR (extrapolated) = 0.447 W/kg

**SAR(1 g) = 0.242 W/kg; SAR(10 g) = 0.133 W/kg**

Maximum value of SAR (measured) = 0.350 W/kg

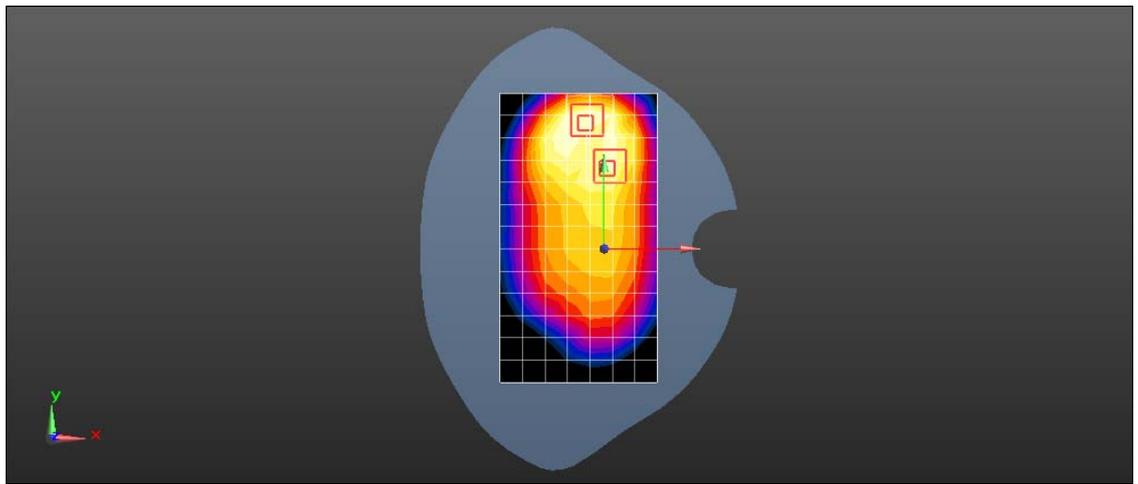
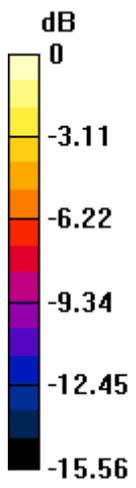
**Configuration/Body/Zoom Scan (5x5x7)/Cube 1:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 10.91 V/m; Power Drift = -0.15 dB

Peak SAR (extrapolated) = 0.300 W/kg

**SAR(1 g) = 0.172 W/kg; SAR(10 g) = 0.111 W/kg**

Maximum value of SAR (measured) = 0.251 W/kg



0 dB = 0.251 W/kg = -6.01 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

## VTR-L29 LTE Band VII 20M QPSK 1RB 99 offset 21350CH Right touch-Second Antenna

**DUT: VTR-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;  $\sigma = 1.935$  S/m;  $\epsilon_r = 39.276$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Right Section

DASY Configuration:

- ε Probe: ES3DV3 - SN3168; ConvF(4.69, 4.69, 4.69); Calibrated: 2016-9-27;
- ε Sensor-Surface: 3mm (Mechanical Surface Detection),  $z = 2.0, 32.0$
- ε Electronics: DAE4 Sn852; Calibrated: 2016-4-20
- ε Phantom: SAM1; Type: SAM; Serial: TP-1475
- ε DASY52 52.8.8(1258); SEMCAD X 14.6.10(7331)

**Configuration/Head/Area Scan (9x16x1):** Measurement grid:  $dx=12$ mm,  $dy=12$ mm

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

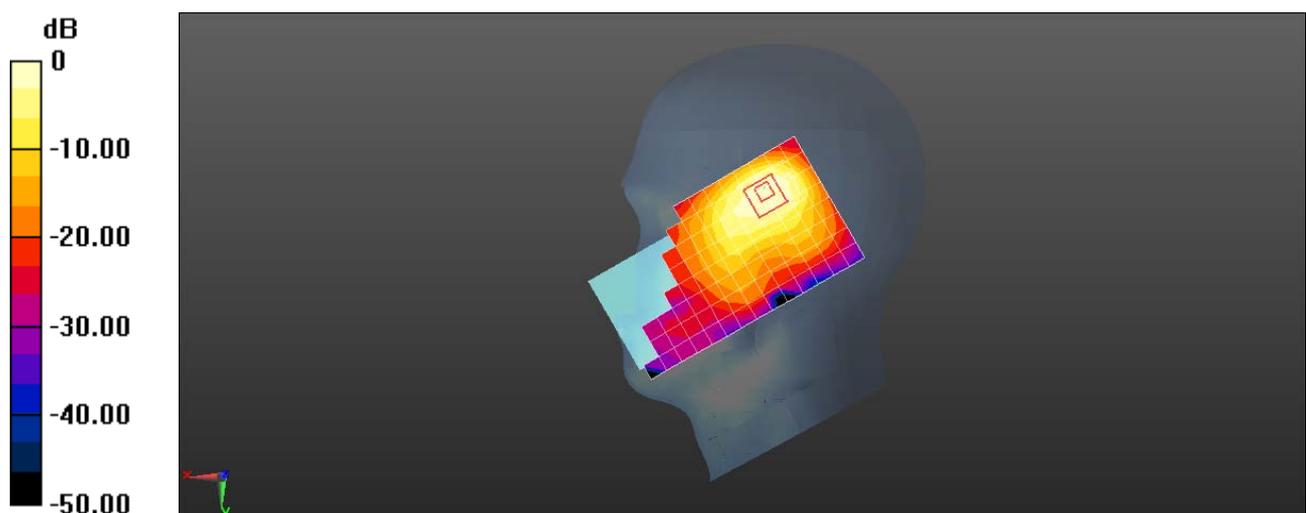
**Configuration/Head/Zoom Scan (7x8x7)/Cube 0:** Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

Reference Value = 10.14 V/m; Power Drift = -0.14 dB

Peak SAR (extrapolated) = 2.28 W/kg

**SAR(1 g) = 1 W/kg; SAR(10 g) = 0.501 W/kg**

Maximum value of SAR (measured) = 1.32 W/kg



0 dB = 1.25 W/kg = 0.97 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

## VTR-L29 LTE Band VII 20M QPSK 1RB 99 offset 21350CH Back side 15mm-Second Antenna

**DUT: VTR-L29; 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;  $\sigma = 2.17$  S/m;  $\epsilon_r = 53.117$ ;  $\rho = 1000$  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 Sn910; Calibrated: 2016-6-15
- ε Phantom: SAM4; Type: SAM; Serial: TP-1620
- ε DASY52 52.8.8(1258); SEMCAD X 14.6.10(7331)

**Configuration/Body/Area Scan (10x16x1):** Measurement grid: dx=12mm, dy=12mm  
Maximum value of SAR (measured) = 0.143 W/kg

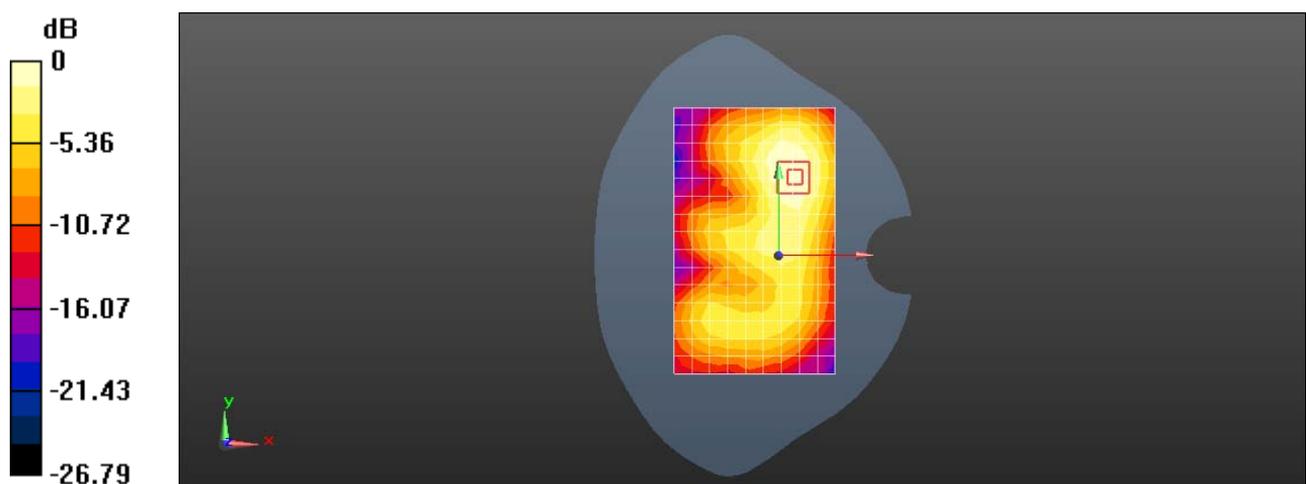
**Configuration/Body/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 5.268 V/m; Power Drift = -0.07 dB

Peak SAR (extrapolated) = 0.177 W/kg

**SAR(1 g) = 0.093 W/kg; SAR(10 g) = 0.052 W/kg**

Maximum value of SAR (measured) = 0.142 W/kg



0 dB = 0.142 W/kg = -8.47 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

### VTR-L29 LTE Band VII 20M QPSK 1RB 99 offset 21350CH Back side 10mm with Battery 3-Second Antenna

**DUT: VTR-L29; 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;  $\sigma = 2.17$  S/m;  $\epsilon_r = 53.117$ ;  $\rho = 1000$  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 Sn910; Calibrated: 2016-6-15
- ε Phantom: SAM4; Type: SAM; Serial: TP-1620
- ε DASY52 52.8.8(1258); SEMCAD X 14.6.10(7331)

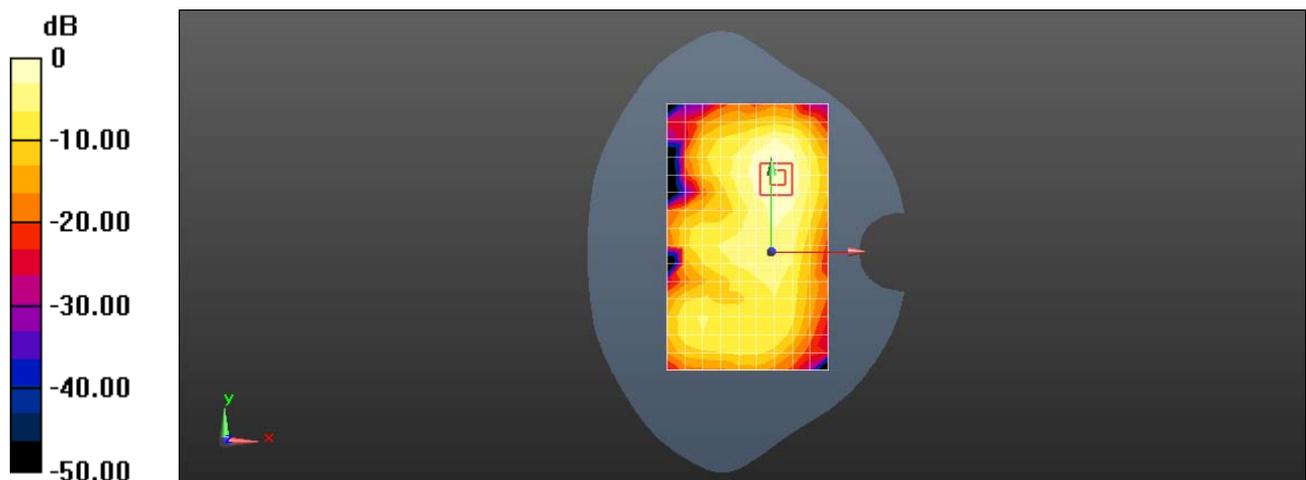
**Configuration/Body/Area Scan (10x16x1):** Measurement grid:  $dx=12$ mm,  $dy=12$ mm  
Maximum value of SAR (measured) = 0.296 W/kg

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

Reference Value = 6.769 V/m; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 0.371 W/kg

**SAR(1 g) = 0.188 W/kg; SAR(10 g) = 0.100 W/kg**



0 dB = 0.296 W/kg = -5.29 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

## VTR-L29 LTE Band XII 10M QPSK 1RB 25 offset 23060CH Right touch-Second Antenna

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

Communication System: UID 0, LTE-FDD (SC-FDMA, 10MHz, QPSK/16-QAM) (0); Frequency: 704 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 704$  MHz;  $\sigma = 0.846$  S/m;  $\epsilon_r = 42.919$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Right Section

DASY Configuration:

- ε Probe: ES3DV3 - SN3168; ConvF(6.93, 6.93, 6.93); Calibrated: 2016-9-27;
- ε Sensor-Surface: 3mm (Mechanical Surface Detection),  $z = 2.0, 32.0$
- ε Electronics: DAE4 Sn852; Calibrated: 2016-4-20
- ε Phantom: SAM1; Type: SAM; Serial: TP-1475
- ε DASY52 52.8.8(1258); SEMCAD X 14.6.10(7331)

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

Maximum value of SAR (measured) = 1.36 W/kg

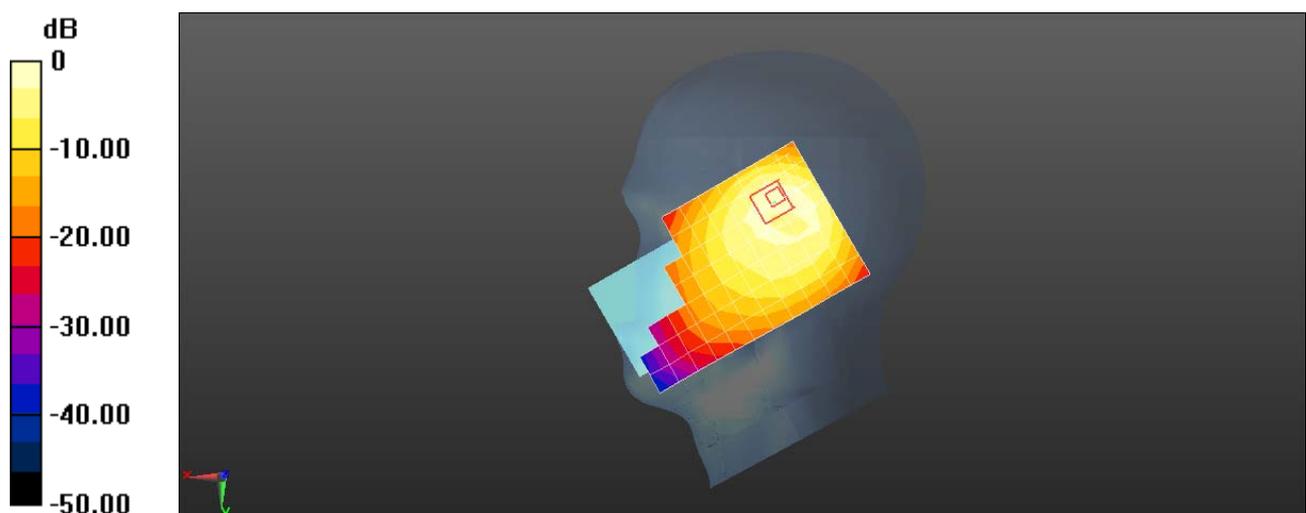
**Configuration/Head/Zoom Scan (6x6x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 23.77 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 2.66 W/kg

**SAR(1 g) = 1.19 W/kg; SAR(10 g) = 0.627 W/kg**

Maximum value of SAR (measured) = 1.41 W/kg



0 dB = 1.36 W/kg = 1.34 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

## VTR-L29 LTE Band XII 10M QPSK 1RB 25 offset 23130CH Back side 15mm-Second Antenna

**DUT: VTR-L29; 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;  $\sigma = 0.916$  S/m;  $\epsilon_r = 55.801$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY Configuration:

- ε Probe: ES3DV3 - SN3168; ConvF(6.45, 6.45, 6.45); Calibrated: 2016-9-27;
- ε Sensor-Surface: 3mm (Mechanical Surface Detection),  $z = 2.0, 32.0$
- ε Electronics: DAE4 Sn852; Calibrated: 2016-4-20
- ε Phantom: SAM2; Type: SAM; Serial: TP:1474
- ε DASY52 52.8.8(1258); SEMCAD X 14.6.10(7331)

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

Maximum value of SAR (measured) = 0.163 W/kg

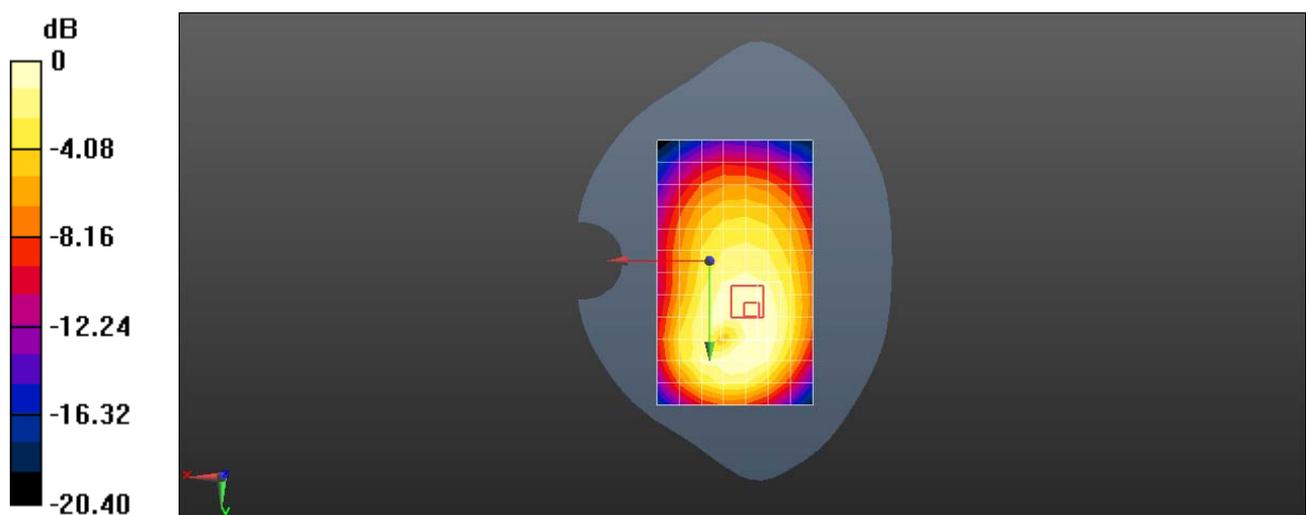
**Configuration/Body/Zoom Scan (6x6x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 10.94 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 0.217 W/kg

**SAR(1 g) = 0.147 W/kg; SAR(10 g) = 0.105 W/kg**

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



0 dB = 0.163 W/kg = -7.88 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

## VTR-L29 LTE Band XII 10M QPSK 1RB 25 offset 23130CH Back side 10mm-Second Antenna

**DUT: VTR-L29; 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:  $f = 711 \text{ MHz}$ ;  $\sigma = 0.916 \text{ S/m}$ ;  $\epsilon_r = 55.801$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY Configuration:

- ε Probe: ES3DV3 - SN3168; ConvF(6.45, 6.45, 6.45); Calibrated: 2016-9-27;
- ε Sensor-Surface: 3mm (Mechanical Surface Detection),  $z = 2.0, 32.0$
- ε Electronics: DAE4 Sn852; Calibrated: 2016-4-20
- ε Phantom: SAM2; Type: SAM; Serial: TP:1474
- ε DASY52 52.8.8(1258); SEMCAD X 14.6.10(7331)

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

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

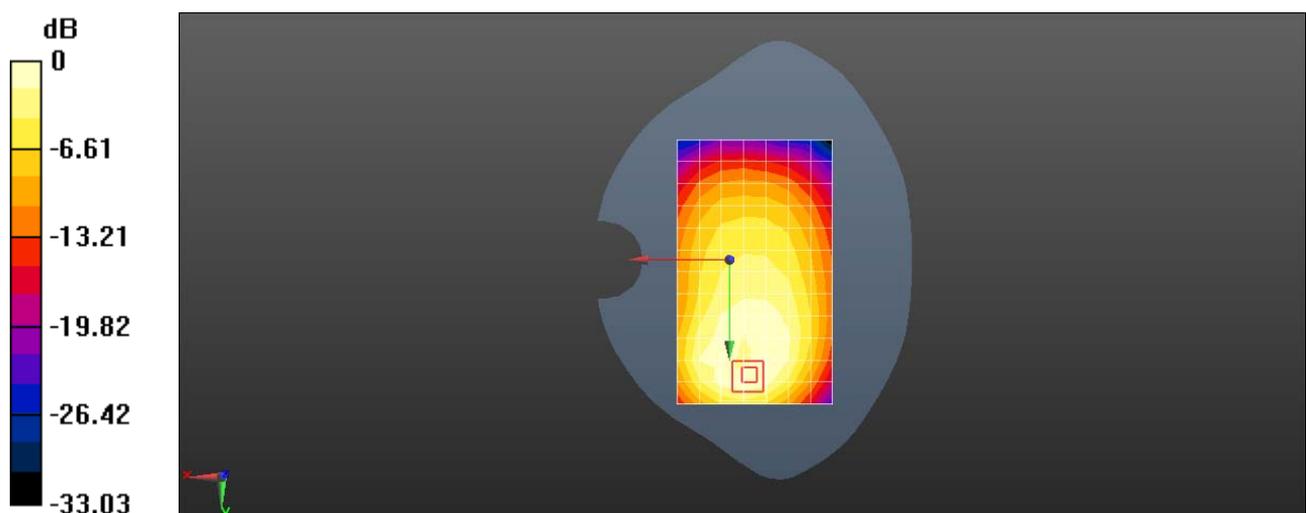
**Configuration/Body/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$

Reference Value = 12.69 V/m; Power Drift = -0.14 dB

Peak SAR (extrapolated) = 0.588 W/kg

**SAR(1 g) = 0.317 W/kg; SAR(10 g) = 0.179 W/kg**

Maximum value of SAR (measured) = 0.381 W/kg



0 dB = 0.351 W/kg = -4.55 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

## VTR-L29 LTE Band XXVI 15M QPSK 1RB 38 offset 26865CH Right touch -Second Antenna

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

Communication System: UID 0, LTE-FDD (SC-FDMA, 15MHz, QPSK/16-QAM) (0); Frequency: 831.5 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated):  $f = 831.5$  MHz;  $\sigma = 0.888$  S/m;  $\epsilon_r = 41.097$ ;  $\rho = 1000$  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 Sn914; Calibrated: 2016-1-7
- ε Phantom: SAM3; Type: SAM; Serial: TP-1597
- ε DASY52 52.8.8(1258); 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) = 1.22 W/kg

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

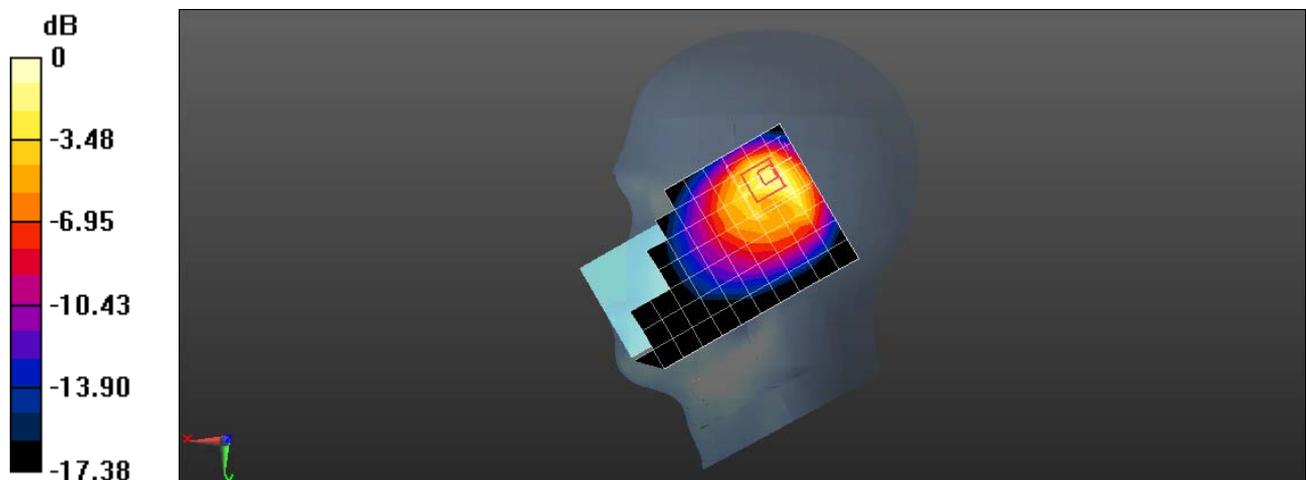
Reference Value = 22.09 V/m; Power Drift = 0.11 dB

Peak SAR (extrapolated) = 2.67 W/kg

**SAR(1 g) = 1.12 W/kg; SAR(10 g) = 0.577 W/kg**

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

Maximum value of SAR (measured) = 1.78 W/kg



0 dB = 1.78 W/kg = 2.51 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

## **VTR-L29 LTE Band XXVI 15M QPSK 1RB 38 Offset 26965CH Back side 15mm -Second Antenna**

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

Communication System: UID 0, LTE-FDD (SC-FDMA, 15MHz, QPSK/16-QAM) (0); Frequency: 841.5 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated):  $f = 841.5$  MHz;  $\sigma = 1.003$  S/m;  $\epsilon_r = 53.108$ ;  $\rho = 1000$  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 Sn914; Calibrated: 2016-1-7
- ε Phantom: SAM4; Type: SAM; Serial: TP-1620
- ε DASY52 52.8.8(1258); SEMCAD X 14.6.10(7331)

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

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

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

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

Reference Value = 14.05 V/m; Power Drift = -0.09 dB

Peak SAR (extrapolated) = 0.226 W/kg

**SAR(1 g) = 0.166 W/kg; SAR(10 g) = 0.120 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

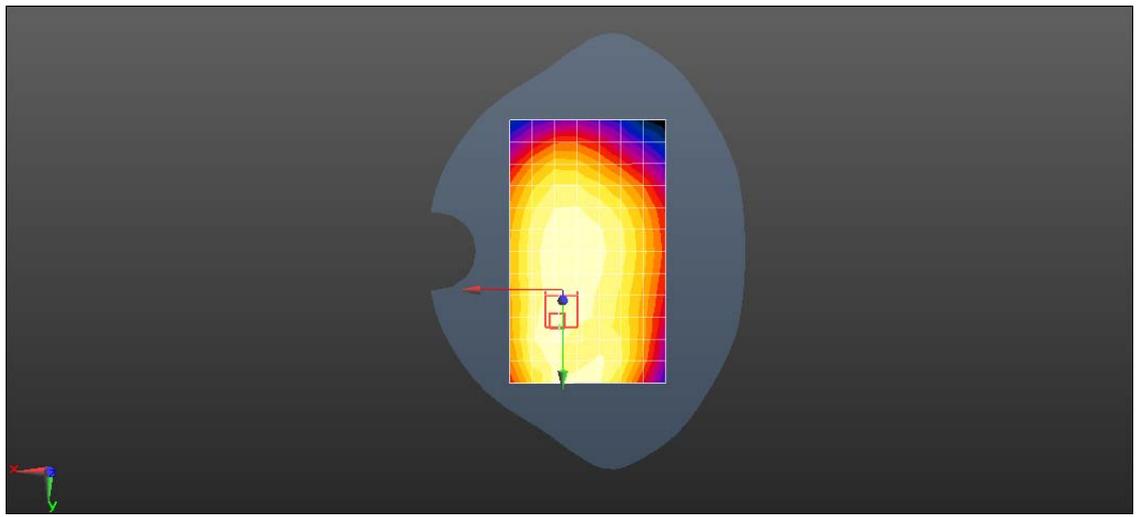
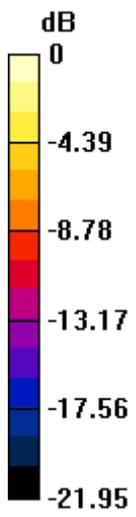
Reference Value = 14.05 V/m; Power Drift = -0.09 dB

Peak SAR (extrapolated) = 0.261 W/kg

**SAR(1 g) = 0.157 W/kg; SAR(10 g) = 0.093 W/kg**

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

Maximum value of SAR (measured) = 0.210 W/kg



0 dB = 0.210 W/kg = -6.78 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

## **VTR-L29 LTE Band XXVI 15M QPSK 1RB 38 Offset 26965CH Back side 10mm -Second Antenna**

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

Communication System: UID 0, LTE-FDD (SC-FDMA, 15MHz, QPSK/16-QAM) (0); Frequency: 841.5 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated):  $f = 841.5$  MHz;  $\sigma = 1.003$  S/m;  $\epsilon_r = 53.108$ ;  $\rho = 1000$  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 Sn914; Calibrated: 2016-1-7
- ε Phantom: SAM4; Type: SAM; Serial: TP-1620
- ε DASY52 52.8.8(1258); SEMCAD X 14.6.10(7331)

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

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

Maximum value of SAR (measured) = 0.482 W/kg

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

Reference Value = 14.24 V/m; Power Drift = -0.11 dB

Peak SAR (extrapolated) = 0.715 W/kg

**SAR(1 g) = 0.389 W/kg; SAR(10 g) = 0.213 W/kg**

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

Maximum value of SAR (measured) = 0.539 W/kg

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

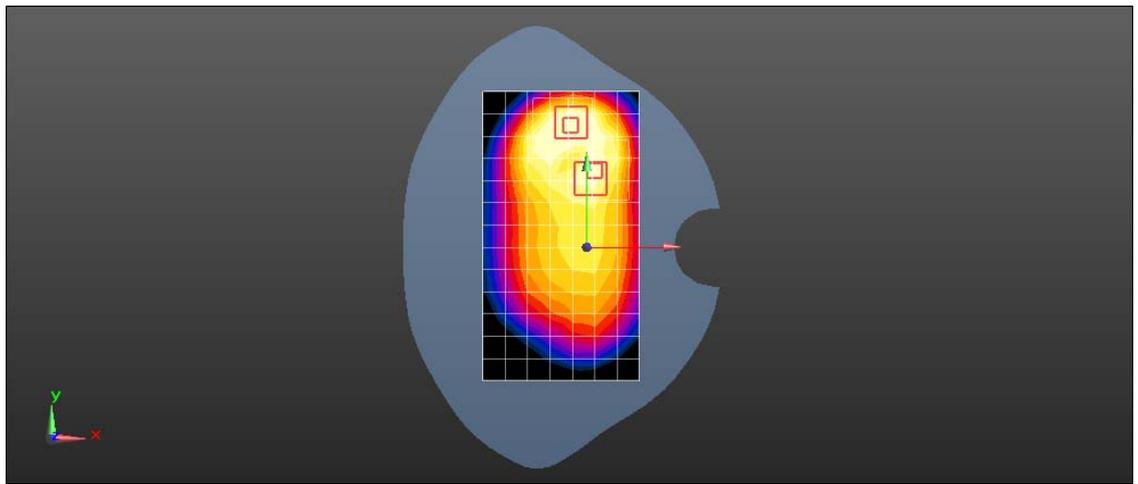
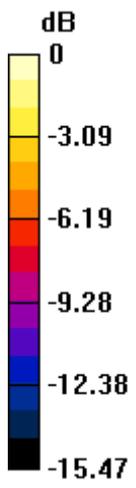
Reference Value = 14.24 V/m; Power Drift = -0.11 dB

Peak SAR (extrapolated) = 0.436 W/kg

**SAR(1 g) = 0.282 W/kg; SAR(10 g) = 0.188 W/kg**

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

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



0 dB = 0.363 W/kg = -4.40 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

## VTR-L29 LTE Band XLI 20M QPSK 1RB 50 offset 41140CH Right touch -Second Antenna

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

Communication System: UID 0, LTE-TDD (SC-FDMA, 20MHz, QPSK/16-QAM) (0); Frequency: 2645 MHz; Duty Cycle: 1:1.57906

Medium parameters used:  $f = 2645$  MHz;  $\sigma = 2.031$  S/m;  $\epsilon_r = 38.944$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Right Section

DASY Configuration:

- ε Probe: ES3DV3 - SN3168; ConvF(4.69, 4.69, 4.69); Calibrated: 2016-9-27;
- ε Sensor-Surface: 3mm (Mechanical Surface Detection),  $z = 2.0, 32.0$
- ε Electronics: DAE4 Sn852; Calibrated: 2016-4-20
- ε Phantom: SAM1; Type: SAM; Serial: TP-1475
- ε DASY52 52.8.8(1258); SEMCAD X 14.6.10(7331)

**Configuration/Head/Area Scan (9x16x1):** Measurement grid:  $dx=12$ mm,  $dy=12$ mm

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

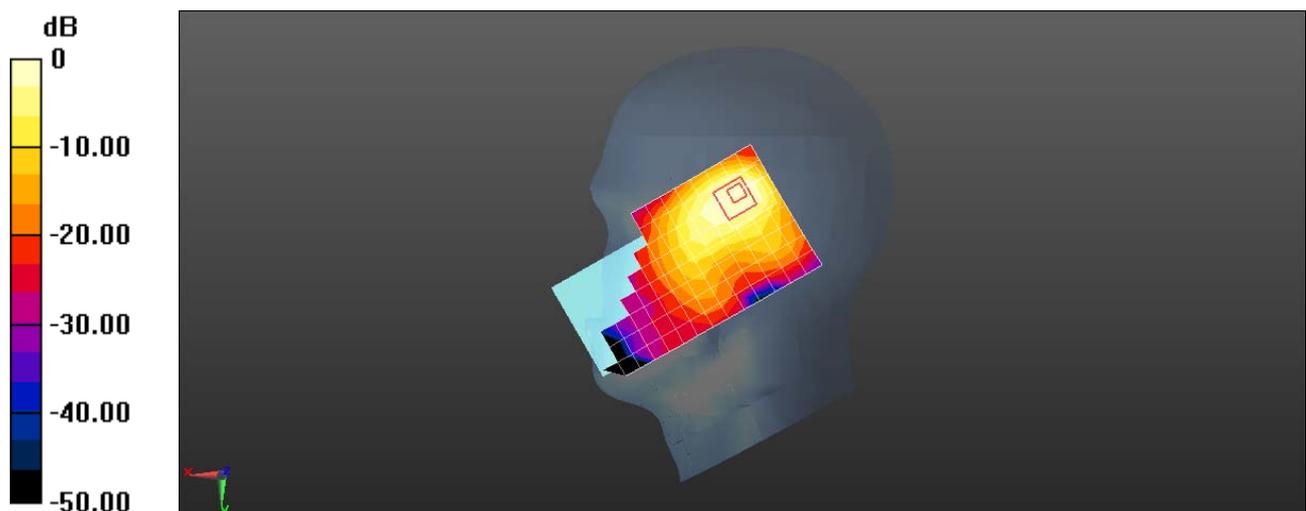
**Configuration/Head/Zoom Scan (7x8x7)/Cube 0:** Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

Reference Value = 9.794 V/m; Power Drift = 0.07 dB

Peak SAR (extrapolated) = 2.82 W/kg

**SAR(1 g) = 1.1 W/kg; SAR(10 g) = 0.548 W/kg**

Maximum value of SAR (measured) = 1.46 W/kg



0 dB = 1.39 W/kg = 1.43 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

## VTR-L29 LTE Band XLI 20M QPSK 1RB 50 offset 41140CH Front side 15mm-Second Antenna

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

Communication System: UID 0, LTE-TDD (SC-FDMA, 20MHz, QPSK/16-QAM) (0); Frequency: 2645 MHz; Duty Cycle: 1:1.57943

Medium parameters used:  $f = 2645$  MHz;  $\sigma = 2.258$  S/m;  $\epsilon_r = 53.013$ ;  $\rho = 1000$  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 Sn910; Calibrated: 2016-6-15
- ε Phantom: SAM4; Type: SAM; Serial: TP-1620
- ε DASY52 52.8.8(1258); SEMCAD X 14.6.10(7331)

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

Maximum value of SAR (measured) = 0.157 W/kg

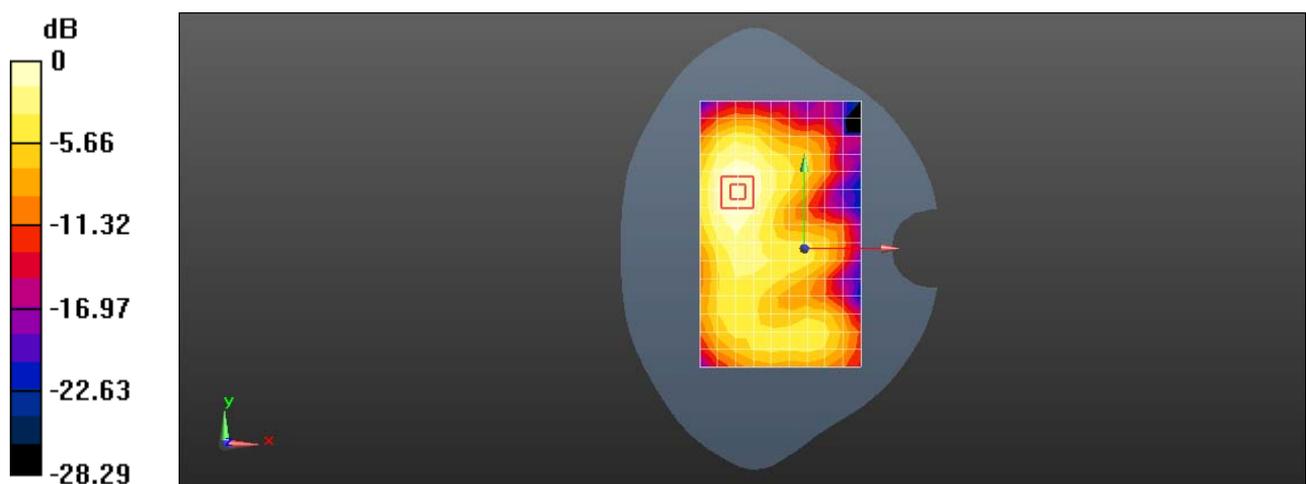
**Configuration/Body/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 5.138 V/m; Power Drift = 0.15 dB

Peak SAR (extrapolated) = 0.197 W/kg

**SAR(1 g) = 0.103 W/kg; SAR(10 g) = 0.057 W/kg**

Maximum value of SAR (measured) = 0.160 W/kg



0 dB = 0.160 W/kg = -7.97 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

### VTR-L29 LTE Band XLI 20M QPSK 1RB 50 offset 41140CH Back side 10mm -Second Antenna

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

Communication System: UID 0, LTE-TDD (SC-FDMA, 20MHz, QPSK/16-QAM) (0); Frequency: 2645 MHz; Duty Cycle: 1:1.57943

Medium parameters used:  $f = 2645$  MHz;  $\sigma = 2.258$  S/m;  $\epsilon_r = 53.013$ ;  $\rho = 1000$  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 Sn910; Calibrated: 2016-6-15
- ε Phantom: SAM4; Type: SAM; Serial: TP-1620
- ε DASY52 52.8.8(1258); SEMCAD X 14.6.10(7331)

**Configuration/Body/Area Scan (10x16x1):** Measurement grid: dx=12mm, dy=12mm  
Maximum value of SAR (measured) = 0.330 W/kg

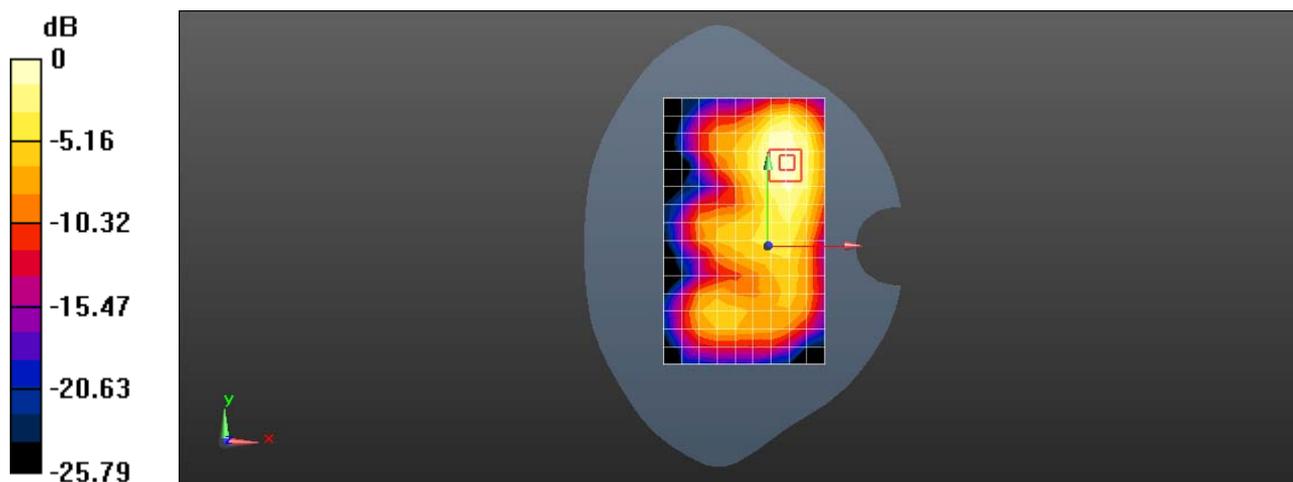
**Configuration/Body/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 6.705 V/m; Power Drift = -0.10 dB

Peak SAR (extrapolated) = 0.441 W/kg

**SAR(1 g) = 0.223 W/kg; SAR(10 g) = 0.117 W/kg**

Maximum value of SAR (measured) = 0.348 W/kg



0 dB = 0.348 W/kg = -4.58 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

### VTR-L29 GSM850 251CH Right touch with Battery 2-Main Antenna

**DUT: VTR-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;  $\sigma = 0.923$  S/m;  $\epsilon_r = 41.644$ ;  $\rho = 1000$  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 Sn914; Calibrated: 2016-1-7
- ε Phantom: SAM4; Type: SAM; Serial: TP-1620
- ε DASY52 52.8.8(1258); SEMCAD X 14.6.10(7331)

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

Maximum value of SAR (measured) = 0.463 W/kg

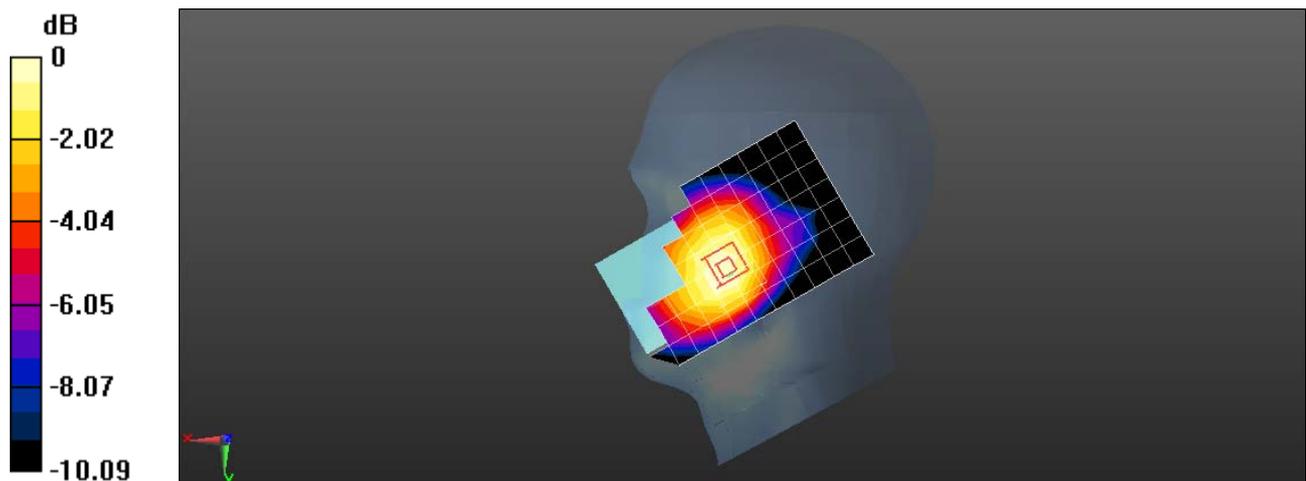
**Configuration/Head/Zoom Scan (6x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 8.383 V/m; Power Drift = -0.11 dB

Peak SAR (extrapolated) = 0.505 W/kg

**SAR(1 g) = 0.393 W/kg; SAR(10 g) = 0.300 W/kg**

Maximum value of SAR (measured) = 0.464 W/kg



0 dB = 0.464 W/kg = -3.33 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

### VTR-L29 GSM850 190CH Back side 15mm -Main Antenna

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

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

Medium parameters used:  $f = 837$  MHz;  $\sigma = 1.01$  S/m;  $\epsilon_r = 53.042$ ;  $\rho = 1000$  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 Sn914; Calibrated: 2016-1-7
- ε Phantom: SAM4; Type: SAM; Serial: TP-1620
- ε DASY52 52.8.8(1258); SEMCAD X 14.6.10(7331)

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

Maximum value of SAR (measured) = 0.391 W/kg

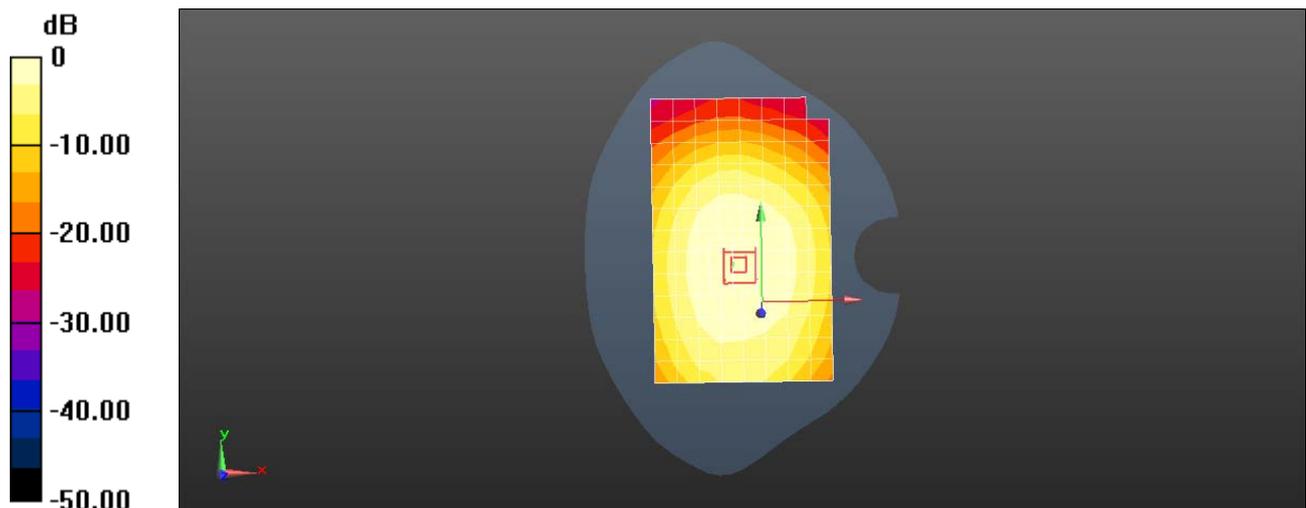
**Configuration/Body/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 19.00 V/m; Power Drift = -0.07 dB

Peak SAR (extrapolated) = 0.427 W/kg

**SAR(1 g) = 0.330 W/kg; SAR(10 g) = 0.250 W/kg**

Maximum value of SAR (measured) = 0.395 W/kg



0 dB = 0.391 W/kg = -4.08 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

### VTR-L29 GSM850 GPRS 2Ts 190CH Right side 10mm with Battery 3-Main Antenna

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

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

Medium parameters used:  $f = 837$  MHz;  $\sigma = 0.979$  S/m;  $\epsilon_r = 57.695$ ;  $\rho = 1000$  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 Sn910; Calibrated: 2016-6-15
- ε Phantom: SAM4; Type: SAM; Serial: TP-1620
- ε DASY52 52.8.8(1258); SEMCAD X 14.6.10(7331)

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

Maximum value of SAR (measured) = 0.893 W/kg

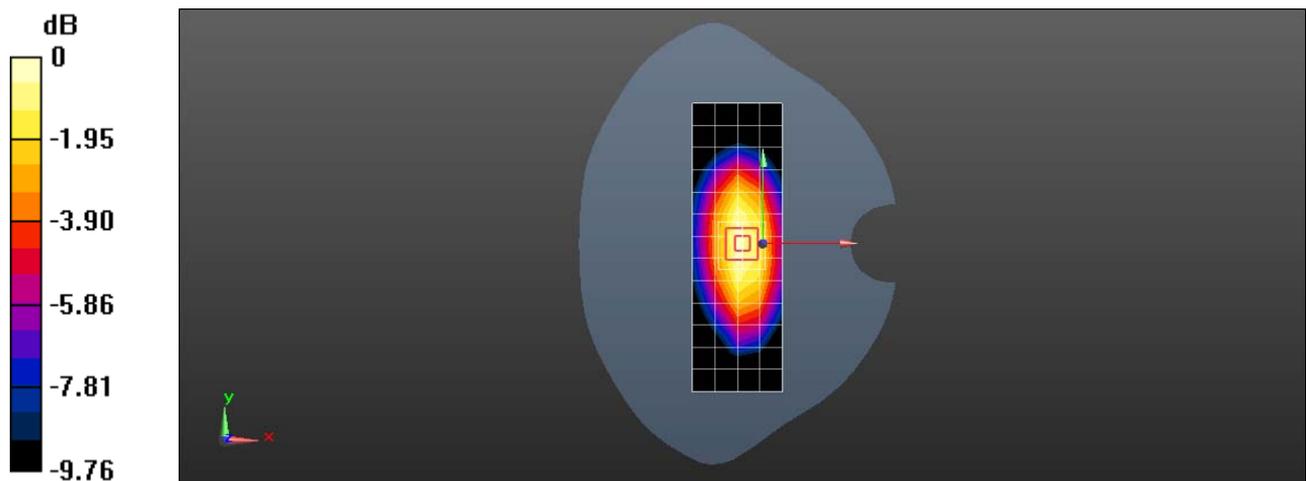
**Configuration/Body/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 28.23 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 1.07 W/kg

**SAR(1 g) = 0.711 W/kg; SAR(10 g) = 0.484 W/kg**

Maximum value of SAR (measured) = 0.942 W/kg



0 dB = 0.942 W/kg = -0.26 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

## VTR-L29 GSM1900 661CH Right touch-Main Antenna-state 2

**DUT: VTR-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;  $\sigma = 1.437$  S/m;  $\epsilon_r = 41.6$ ;  $\rho = 1000$  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 Sn852; Calibrated: 2016-4-20
- ε Phantom: SAM1; Type: SAM; Serial: TP-1475
- ε DASY52 52.8.8(1258); SEMCAD X 14.6.10(7331)

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

Maximum value of SAR (measured) = 0.495 W/kg

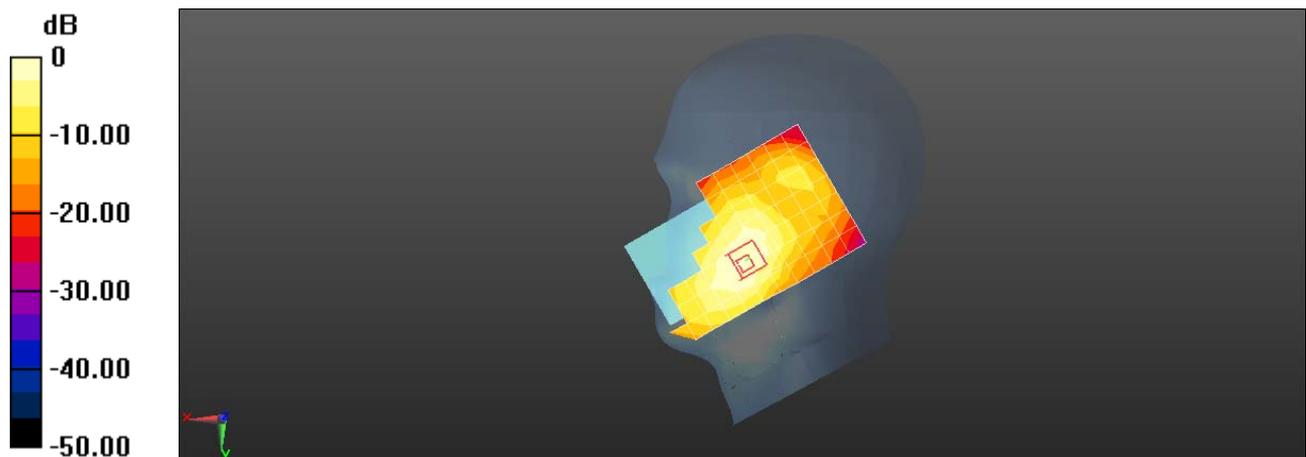
**Configuration/Head/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 6.624 V/m; Power Drift = 0.08 dB

Peak SAR (extrapolated) = 0.637 W/kg

**SAR(1 g) = 0.429 W/kg; SAR(10 g) = 0.271 W/kg**

Maximum value of SAR (measured) = 0.496 W/kg



0 dB = 0.495 W/kg = -3.05 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

## VTR-L29 GSM1900 661CH Front side 15mm-Main Antenna-state 1

**DUT: VTR-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;  $\sigma = 1.496$  S/m;  $\epsilon_r = 52.382$ ;  $\rho = 1000$  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 Sn852; Calibrated: 2016-4-20
- ε Phantom: SAM1; Type: SAM; Serial: TP-1475
- ε DASY52 52.8.8(1258); SEMCAD X 14.6.10(7331)

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

Maximum value of SAR (measured) = 0.291 W/kg

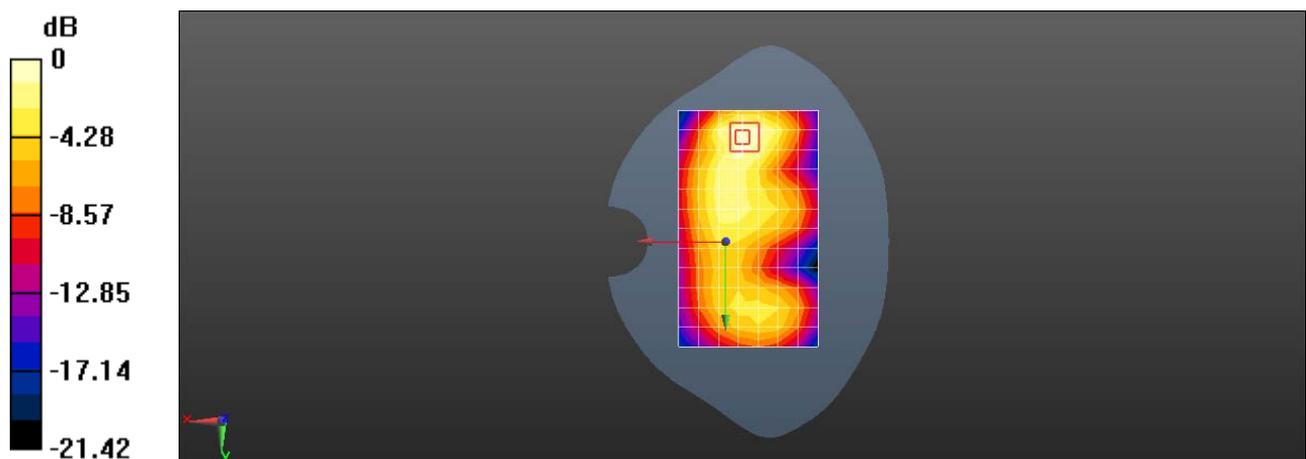
**Configuration/Body/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 8.045 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 0.454 W/kg

**SAR(1 g) = 0.274 W/kg; SAR(10 g) = 0.156 W/kg**

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



0 dB = 0.291 W/kg = -5.36 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

## VTR-L29 GSM1900 GPRS 2Ts 810CH Bottom side 10mm-Main Antenna-state 2-repeated

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

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

Medium parameters used:  $f = 1910$  MHz;  $\sigma = 1.56$  S/m;  $\epsilon_r = 52.219$ ;  $\rho = 1000$  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 Sn852; Calibrated: 2016-4-20
- ε Phantom: SAM1; Type: SAM; Serial: TP-1475
- ε DASY52 52.8.8(1258); SEMCAD X 14.6.10(7331)

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

Maximum value of SAR (measured) = 1.00 W/kg

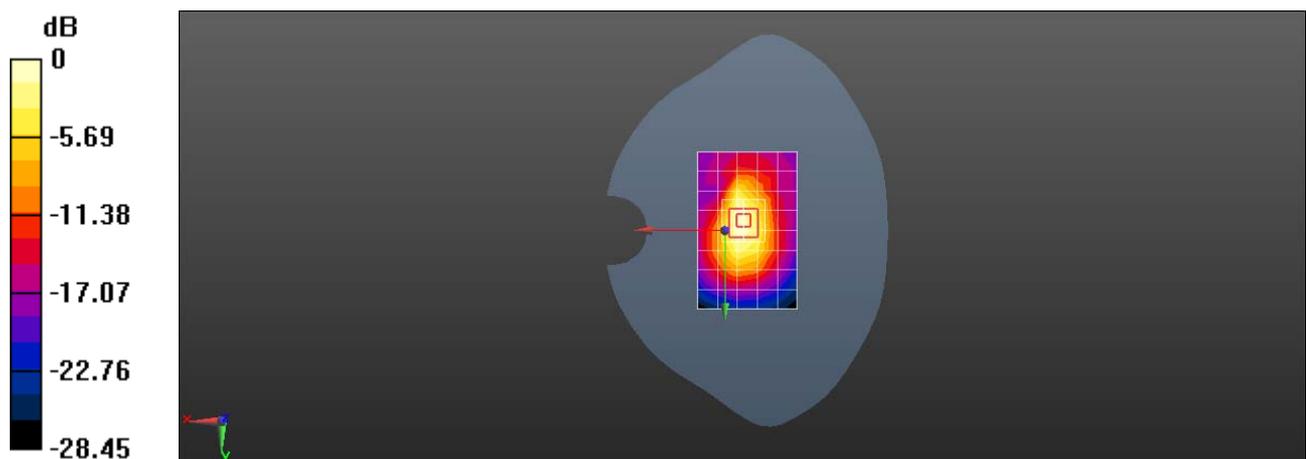
**Configuration/Body/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 27.11 V/m; Power Drift = -0.13 dB

Peak SAR (extrapolated) = 1.90 W/kg

**SAR(1 g) = 1.03 W/kg; SAR(10 g) = 0.507 W/kg**

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



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

Test Laboratory: HUAWEI SAR/HAC Lab

## VTR-L29 UMTS Band II 9400CH Right touch-Main Antenna-state 2

**DUT: VTR-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;  $\sigma = 1.437$  S/m;  $\epsilon_r = 41.6$ ;  $\rho = 1000$  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 Sn852; Calibrated: 2016-4-20
- ε Phantom: SAM1; Type: SAM; Serial: TP-1475
- ε DASY52 52.8.8(1258); SEMCAD X 14.6.10(7331)

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

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

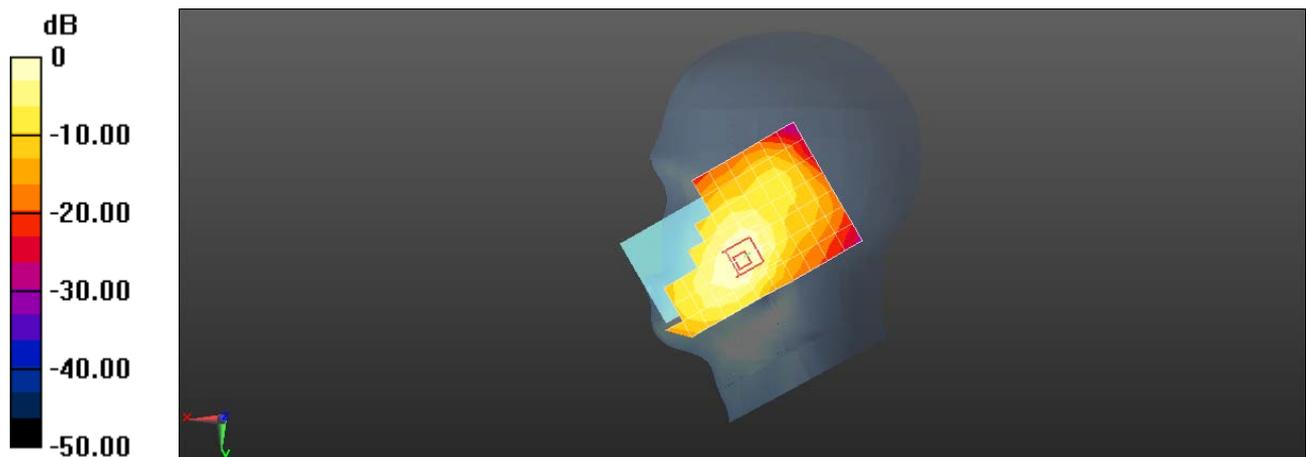
**Configuration/Head/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 8.405 V/m; Power Drift = 0.10 dB

Peak SAR (extrapolated) = 1.42 W/kg

**SAR(1 g) = 0.955 W/kg; SAR(10 g) = 0.603 W/kg**

Maximum value of SAR (measured) = 1.09 W/kg



0 dB = 1.11 W/kg = 0.45 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

## VTR-L29 UMTS Band II 9400CH Back side 15mm-Main Antenna-state 2

**DUT: VTR-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;  $\sigma = 1.496$  S/m;  $\epsilon_r = 52.382$ ;  $\rho = 1000$  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 Sn852; Calibrated: 2016-4-20
- ε Phantom: SAM1; Type: SAM; Serial: TP-1475
- ε DASY52 52.8.8(1258); SEMCAD X 14.6.10(7331)

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

Maximum value of SAR (measured) = 0.508 W/kg

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

Reference Value = 8.024 V/m; Power Drift = 0.15 dB

Peak SAR (extrapolated) = 0.842 W/kg

**SAR(1 g) = 0.493 W/kg; SAR(10 g) = 0.272 W/kg**

Maximum value of SAR (measured) = 0.605 W/kg

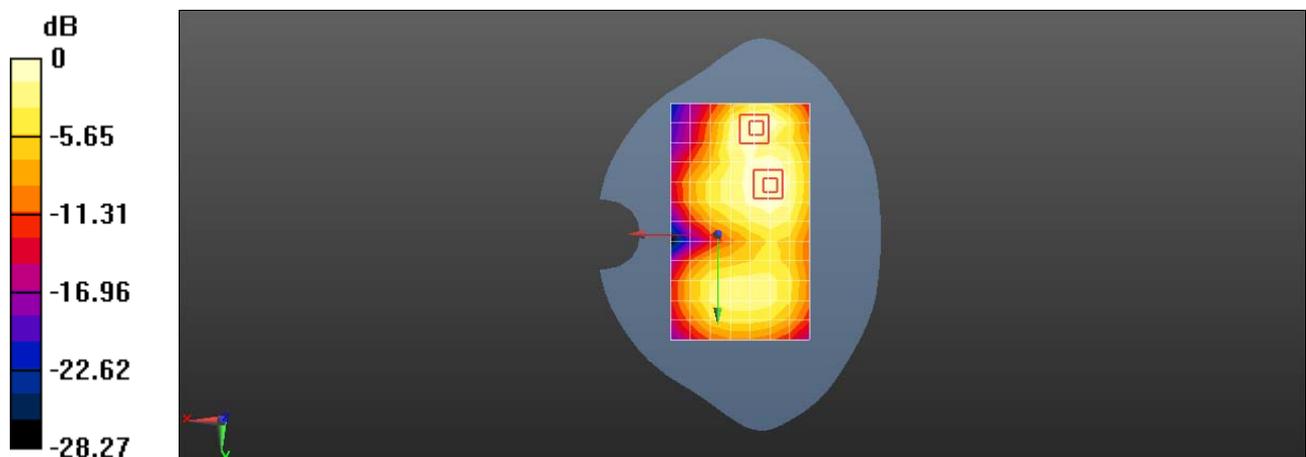
**Configuration/Body/Zoom Scan (5x5x7)/Cube 1:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 8.024 V/m; Power Drift = 0.15 dB

Peak SAR (extrapolated) = 0.619 W/kg

**SAR(1 g) = 0.418 W/kg; SAR(10 g) = 0.276 W/kg**

Maximum value of SAR (measured) = 0.481 W/kg



0 dB = 0.508 W/kg = -2.94 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

## VTR-L29 UMTS Band II 9538CH Bottom side 10mm-Main Antenna-state 2

**DUT: VTR-L29; 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;  $\sigma = 1.558$  S/m;  $\epsilon_r = 52.223$ ;  $\rho = 1000$  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 Sn852; Calibrated: 2016-4-20
- ε Phantom: SAM2; Type: SAM; Serial: TP:1474
- ε DASY52 52.8.8(1258); SEMCAD X 14.6.10(7331)

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

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

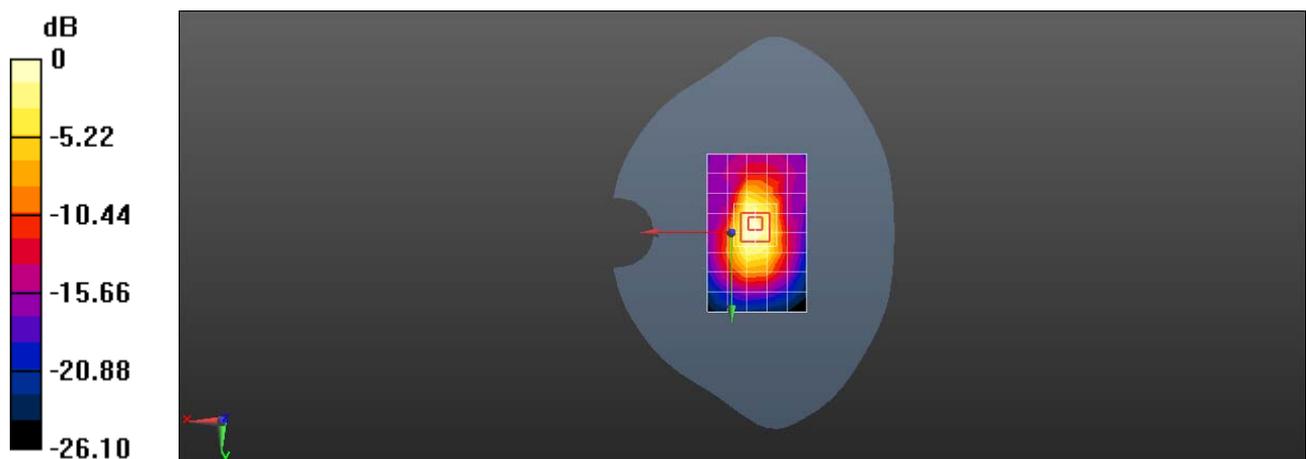
**Configuration/Body/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 31.42 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 2.26 W/kg

**SAR(1 g) = 1.21 W/kg; SAR(10 g) = 0.588 W/kg**

Maximum value of SAR (measured) = 1.57 W/kg



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

Test Laboratory: HUAWEI SAR/HAC Lab

## VTR-L29 UMTS Band IV 1513CH Right touch-Main Antenna-state1

**DUT: VTR-L29; 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;  $\sigma = 1.326$  S/m;  $\epsilon_r = 41.33$ ;  $\rho = 1000$  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 Sn852; Calibrated: 2016-4-20
- ε Phantom: SAM1; Type: SAM; Serial: TP-1475
- ε DASY52 52.8.8(1258); SEMCAD X 14.6.10(7331)

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

Maximum value of SAR (measured) = 0.675 W/kg

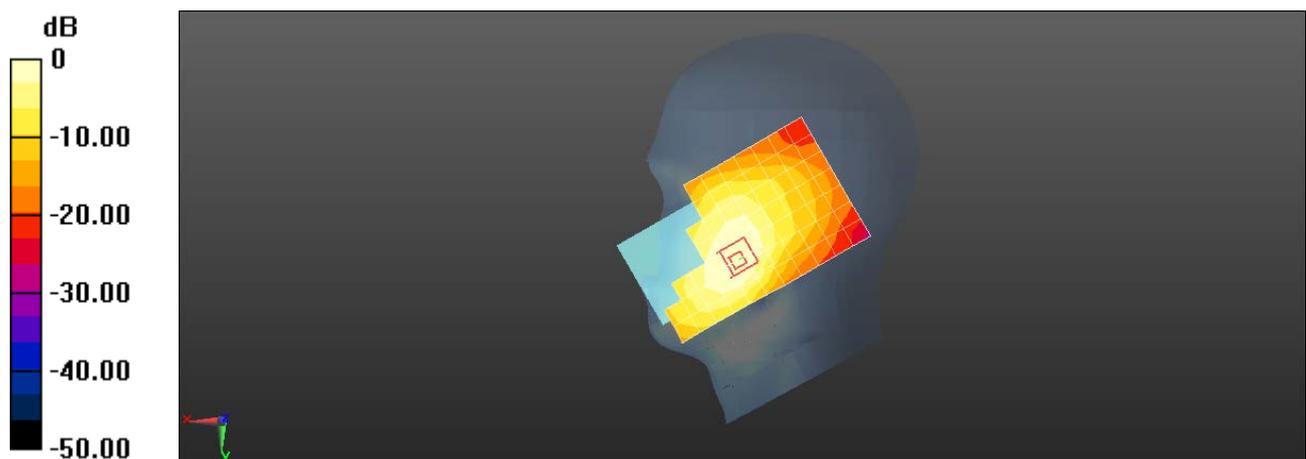
**Configuration/Head/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 6.810 V/m; Power Drift = 0.16 dB

Peak SAR (extrapolated) = 0.903 W/kg

**SAR(1 g) = 0.619 W/kg; SAR(10 g) = 0.402 W/kg**

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



0 dB = 0.675 W/kg = -1.71 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

### VTR-L29 UMTS Band IV 1413CH Back side 15mm-Main Antenna-state1

**DUT: VTR-L29; 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;  $\sigma = 1.445$  S/m;  $\epsilon_r = 53.899$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY Configuration:

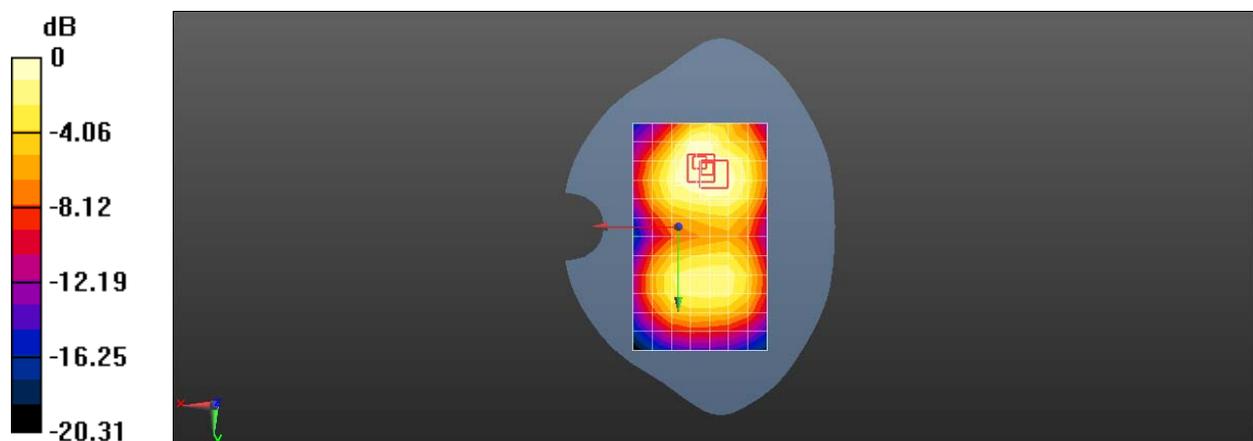
- ε Probe: ES3DV3 - SN3168; ConvF(5.22, 5.22, 5.22); Calibrated: 2016-9-27;
- ε Sensor-Surface: 3mm (Mechanical Surface Detection),  $z = 2.0, 32.0$
- ε Electronics: DAE4 Sn852; Calibrated: 2016-4-20
- ε Phantom: SAM1; Type: SAM; Serial: TP-1475
- ε DASY52 52.8.8(1258); SEMCAD X 14.6.10(7331)

**Configuration/Body/Area Scan (8x13x1):** Measurement grid:  $dx=15$ mm,  $dy=15$ mm  
Maximum value of SAR (measured) = 0.451 W/kg

**Configuration/Body/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm  
Reference Value = 8.663 V/m; Power Drift = 0.09 dB  
Peak SAR (extrapolated) = 0.616 W/kg  
**SAR(1 g) = 0.421 W/kg; SAR(10 g) = 0.280 W/kg**  
Maximum value of SAR (measured) = 0.480 W/kg

**Configuration/Body/Zoom Scan (5x5x7)/Cube 1:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm  
Reference Value = 8.663 V/m; Power Drift = 0.09 dB  
Peak SAR (extrapolated) = 0.611 W/kg  
**SAR(1 g) = 0.407 W/kg; SAR(10 g) = 0.267 W/kg**

Maximum value of SAR (measured) = 0.483 W/kg



Test Laboratory: HUAWEI SAR/HAC Lab

## VTR-L29 UMTS Band IV 1312CH Back side 10mm-Main Antenna-state 1

**DUT: VTR-L29; 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;  $\sigma = 1.43$  S/m;  $\epsilon_r = 52.566$ ;  $\rho = 1000$  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 Sn852; Calibrated: 2016-4-20
- ε Phantom: SAM1; Type: SAM; Serial: TP-1475
- ε DASY52 52.8.8(1258); SEMCAD X 14.6.10(7331)

**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) = 0.839 W/kg

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

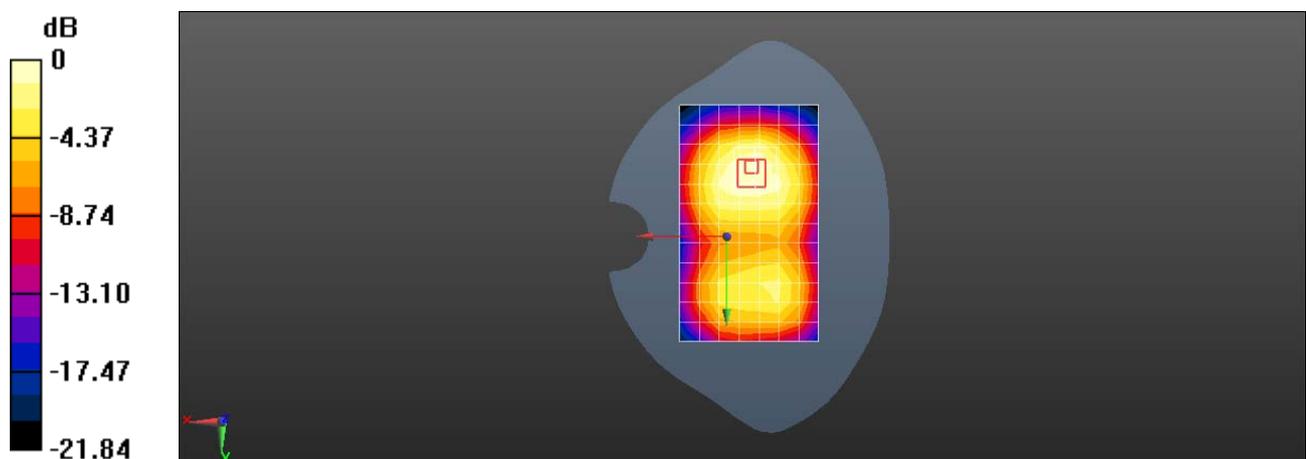
Reference Value = 11.58 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 1.13 W/kg

**SAR(1 g) = 0.761 W/kg; SAR(10 g) = 0.494 W/kg**

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

Maximum value of SAR (measured) = 0.876 W/kg



0 dB = 0.839 W/kg = -0.76 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

## VTR-L29 UMTS Band V 4233CH Right touch with Battery 2-Main Antenna

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

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

Medium parameters used:  $f = 847$  MHz;  $\sigma = 0.923$  S/m;  $\epsilon_r = 41.759$ ;  $\rho = 1000$  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 Sn914; Calibrated: 2016-1-7
- ε Phantom: SAM4; Type: SAM; Serial: TP-1620
- ε DASY52 52.8.8(1258); SEMCAD X 14.6.10(7331)

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

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

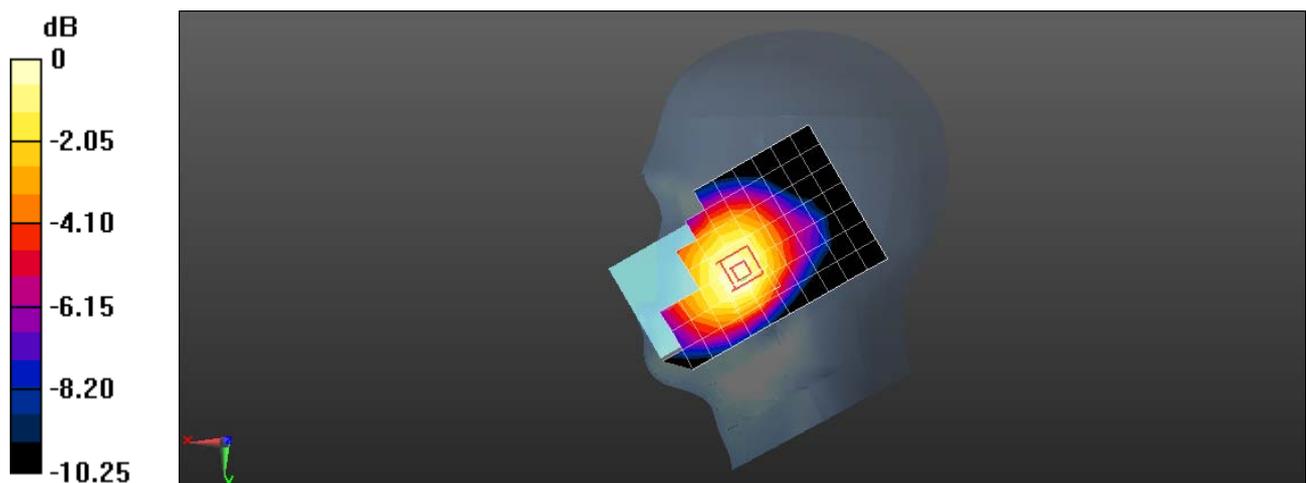
**Configuration/Head/Zoom Scan (6x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 8.707 V/m; Power Drift = 0.06 dB

Peak SAR (extrapolated) = 0.560 W/kg

**SAR(1 g) = 0.429 W/kg; SAR(10 g) = 0.324 W/kg**

Maximum value of SAR (measured) = 0.507 W/kg



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

Test Laboratory: HUAWEI SAR/HAC Lab

## VTR-L29 UMTS Band V 4182CH Back side 15mm with Battery 2-Main Antenna

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

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

Medium parameters used (interpolated):  $f = 836.4$  MHz;  $\sigma = 1.009$  S/m;  $\epsilon_r = 53.05$ ;  $\rho = 1000$  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 Sn914; Calibrated: 2016-1-7
- ε Phantom: SAM4; Type: SAM; Serial: TP-1620
- ε DASY52 52.8.8(1258); SEMCAD X 14.6.10(7331)

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

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

Maximum value of SAR (measured) = 0.493 W/kg

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

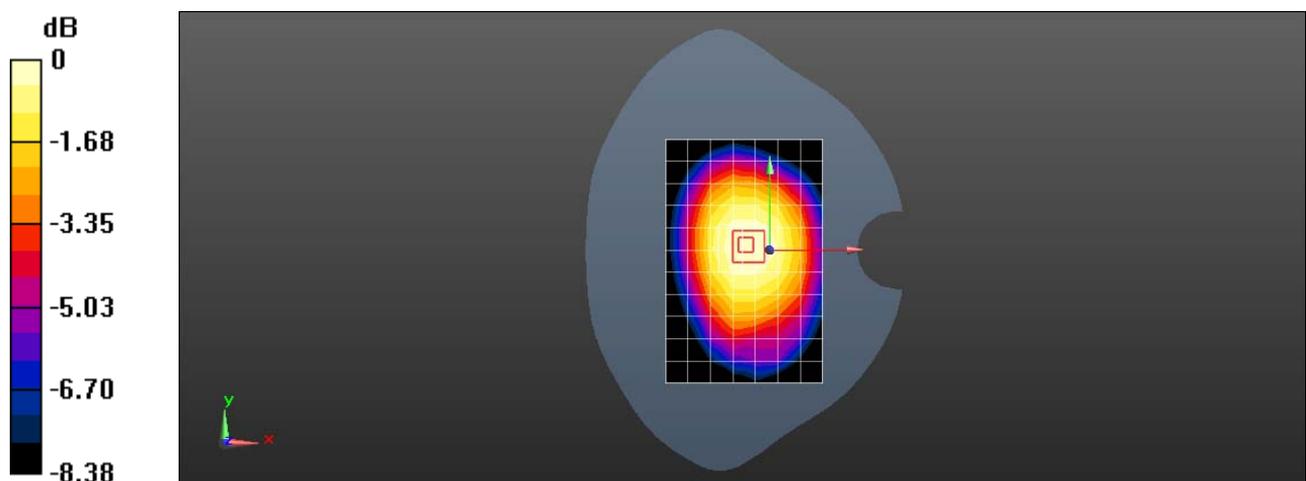
Reference Value = 21.30 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 0.543 W/kg

**SAR(1 g) = 0.415 W/kg; SAR(10 g) = 0.315 W/kg**

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

Maximum value of SAR (measured) = 0.500 W/kg



0 dB = 0.500 W/kg = -3.01 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

## VTR-L29 UMTS Band V 4182CH Right side 10mm with Battery 2-Main Antenna

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

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

Medium parameters used (interpolated):  $f = 836.4$  MHz;  $\sigma = 1.009$  S/m;  $\epsilon_r = 53.05$ ;  $\rho = 1000$  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 Sn914; Calibrated: 2016-1-7
- ε Phantom: SAM4; Type: SAM; Serial: TP-1620
- ε DASY52 52.8.8(1258); SEMCAD X 14.6.10(7331)

**Configuration/Body/Area Scan (5x12x1):** Measurement grid:  $dx=15$ mm,  $dy=15$ mm

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

Maximum value of SAR (measured) = 0.815 W/kg

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

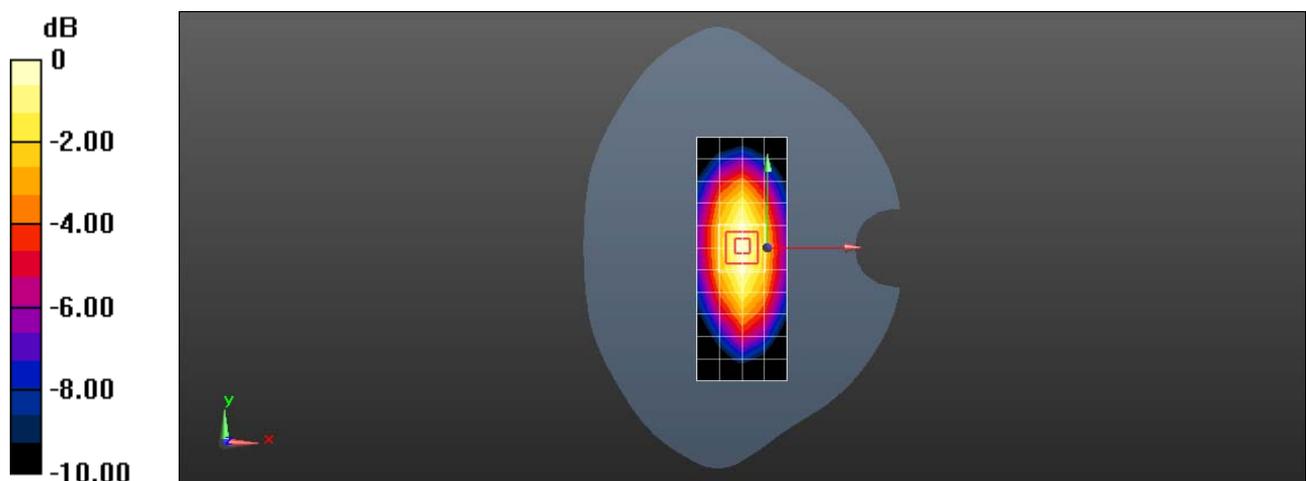
Reference Value = 26.66 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 0.927 W/kg

**SAR(1 g) = 0.622 W/kg; SAR(10 g) = 0.420 W/kg**

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

Maximum value of SAR (measured) = 0.821 W/kg



0 dB = 0.821 W/kg = -0.86 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

## VTR-L29 LTE Band II 20M QPSK 1RB 50 offset 18700CH Right touch-Main Antenna-state 1

**DUT: VTR-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;  $\sigma = 1.423$  S/m;  $\epsilon_r = 41.642$ ;  $\rho = 1000$  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 Sn852; Calibrated: 2016-4-20
- ε Phantom: SAM1; Type: SAM; Serial: TP-1475
- ε DASY52 52.8.8(1258); SEMCAD X 14.6.10(7331)

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

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

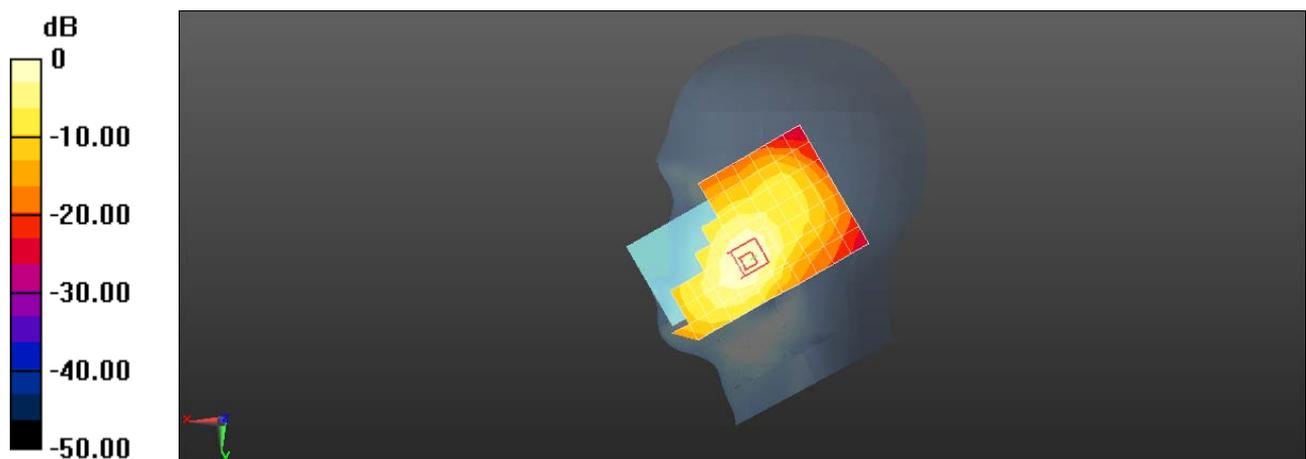
**Configuration/Head/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 8.622 V/m; Power Drift = 0.13 dB

Peak SAR (extrapolated) = 1.37 W/kg

**SAR(1 g) = 0.942 W/kg; SAR(10 g) = 0.601 W/kg**

Maximum value of SAR (measured) = 1.08 W/kg



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

Test Laboratory: HUAWEI SAR/HAC Lab

## VTR-L29 LTE Band II 20M QPSK 1RB 50 offset 19100CH Back side 15mm-Main Antenna-state 2

**DUT: VTR-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;  $\sigma = 1.538$  S/m;  $\epsilon_r = 51.733$ ;  $\rho = 1000$  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 Sn852; Calibrated: 2016-4-20
- ε Phantom: SAM2; Type: SAM; Serial: TP-1474
- ε DASY52 52.8.8(1258); SEMCAD X 14.6.10(7331)

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

Maximum value of SAR (measured) = 0.514 W/kg

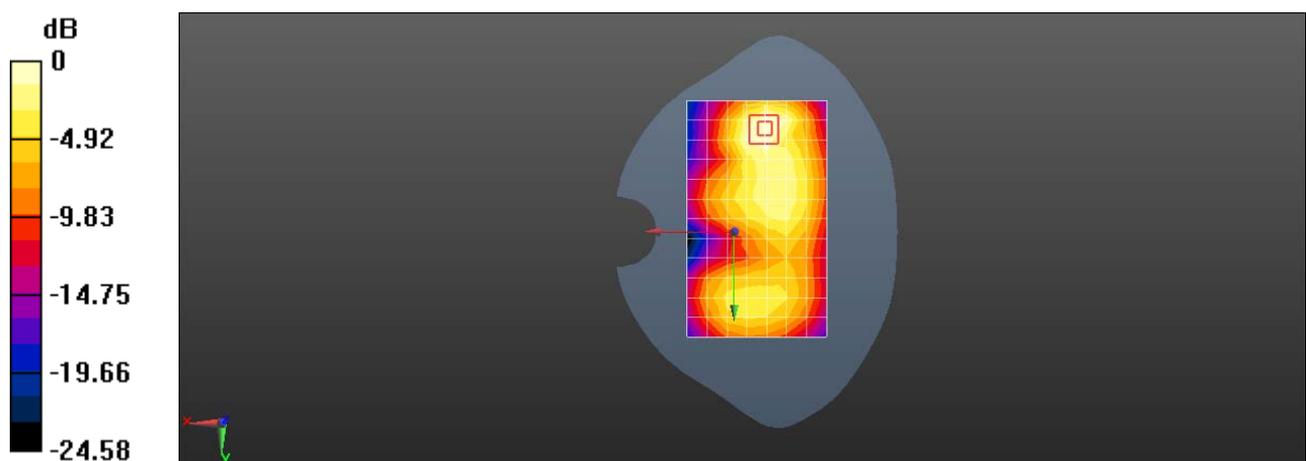
**Configuration/Body/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 9.235 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 0.864 W/kg

**SAR(1 g) = 0.509 W/kg; SAR(10 g) = 0.280 W/kg**

Maximum value of SAR (measured) = 0.617 W/kg



0 dB = 0.514 W/kg = -2.89 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

### VTR-L29 LTE Band II 20M QPSK 50RB 25 offset 19100CH Bottom side 10mm- Main Antenna-state 2

**DUT: VTR-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;  $\sigma = 1.538$  S/m;  $\epsilon_r = 51.733$ ;  $\rho = 1000$  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 Sn852; Calibrated: 2016-4-20
- ε Phantom: SAM2; Type: SAM; Serial: TP-1474
- ε DASY52 52.8.8(1258); SEMCAD X 14.6.10(7331)

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

Maximum value of SAR (measured) = 0.975 W/kg

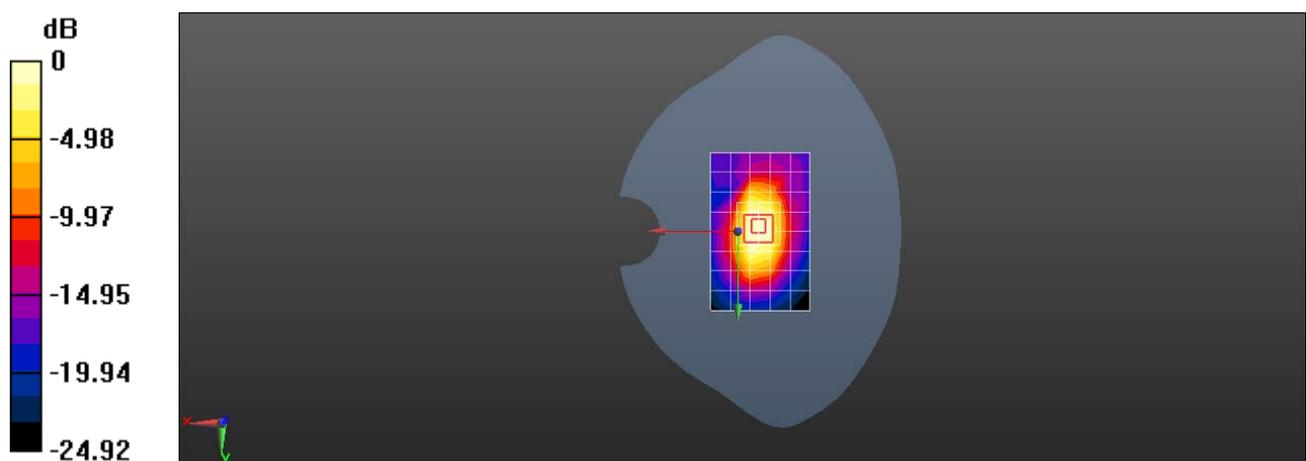
**Configuration/Body/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 30.36 V/m; Power Drift = -0.08 dB

Peak SAR (extrapolated) = 1.95 W/kg

**SAR(1 g) = 1.1 W/kg; SAR(10 g) = 0.571 W/kg**

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



0 dB = 0.975 W/kg = -0.11 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

## VTR-L29 LTE Band IV 20M QPSK 1RB 50 offset 20175CH Right touch-Main Antenna-state2

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

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

Medium parameters used (interpolated):  $f = 1732.5$  MHz;  $\sigma = 1.314$  S/m;  $\epsilon_r = 41.361$ ;  $\rho = 1000$  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 Sn852; Calibrated: 2016-4-20
- ε Phantom: SAM1; Type: SAM; Serial: TP-1475
- ε DASY52 52.8.8(1258); 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) = 0.615 W/kg

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

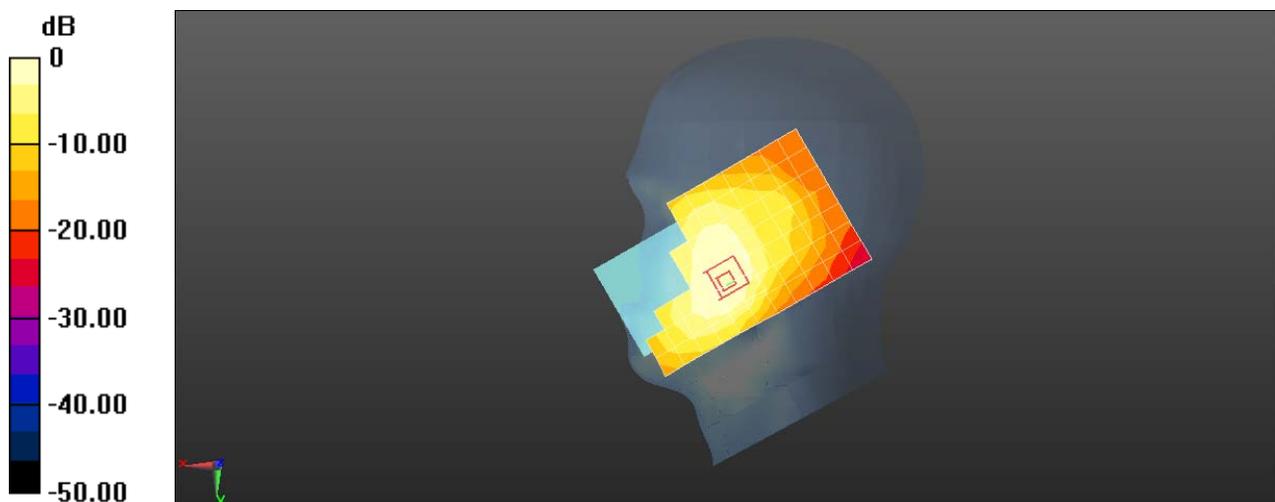
Reference Value = 7.262 V/m; Power Drift = 0.07 dB

Peak SAR (extrapolated) = 0.839 W/kg

**SAR(1 g) = 0.587 W/kg; SAR(10 g) = 0.387 W/kg**

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

Maximum value of SAR (measured) = 0.673 W/kg



0 dB = 0.615 W/kg = -2.11 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

**VTR-L29 LTE Band IV 20M QPSK 1RB 50 offset 20300CH Back side 15mm-Main Antenna-state1**

**DUT: VTR-L29; 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;  $\sigma = 1.455$  S/m;  $\epsilon_r = 53.868$ ;  $\rho = 1000$  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 Sn852; Calibrated: 2016-4-20
- ε Phantom: SAM1; Type: SAM; Serial: TP-1475
- ε DASY52 52.8.8(1258); SEMCAD X 14.6.10(7331)

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

Maximum value of SAR (measured) = 0.428 W/kg

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

Reference Value = 8.013 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 0.569 W/kg

**SAR(1 g) = 0.387 W/kg; SAR(10 g) = 0.260 W/kg**

Maximum value of SAR (measured) = 0.444 W/kg

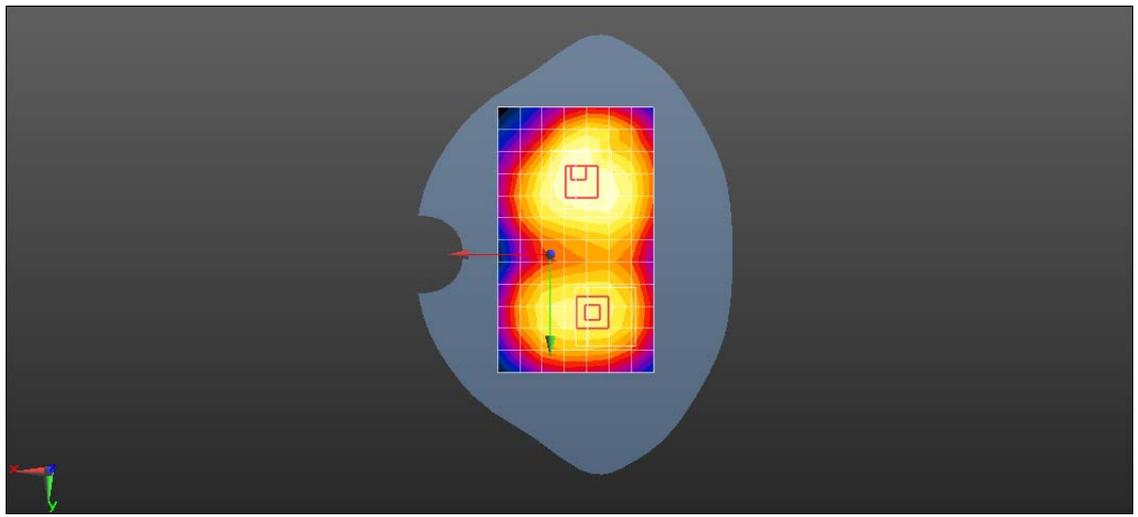
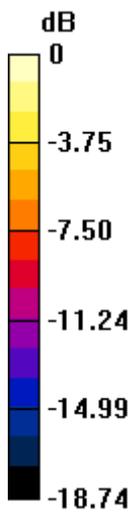
**Configuration/Body/Zoom Scan (6x6x7)/Cube 1:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 8.013 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 0.367 W/kg

**SAR(1 g) = 0.255 W/kg; SAR(10 g) = 0.173 W/kg**

Maximum value of SAR (measured) = 0.291 W/kg



0 dB = 0.428 W/kg = -3.69 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

### VTR-L29 LTE Band IV 20M QPSK 1RB 50 offset 20050CH Back side 10mm with Battery 2-Main Antenna-state 1

**DUT: VTR-L29; 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;  $\sigma = 1.463$  S/m;  $\epsilon_r = 52.472$ ;  $\rho = 1000$  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 Sn852; Calibrated: 2016-4-20
- ε Phantom: SAM2; Type: SAM; Serial: TP:1474
- ε DASY52 52.8.8(1258); SEMCAD X 14.6.10(7331)

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

Maximum value of SAR (measured) = 0.755 W/kg

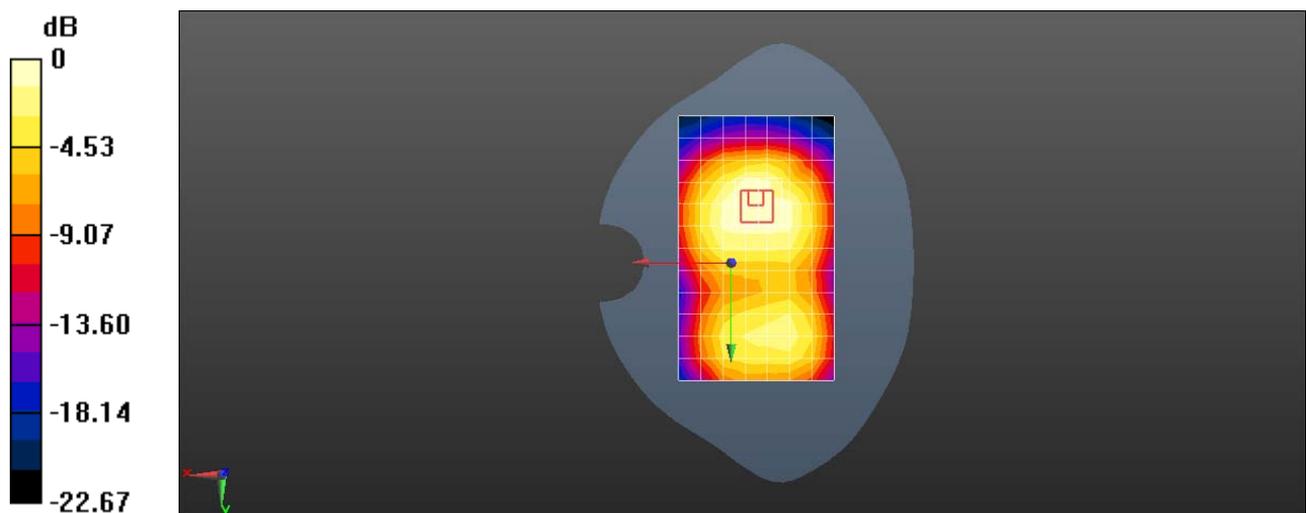
**Configuration/Body/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 13.66 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 1.05 W/kg

**SAR(1 g) = 0.706 W/kg; SAR(10 g) = 0.459 W/kg**

Maximum value of SAR (measured) = 0.810 W/kg



0 dB = 0.755 W/kg = -1.22 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

## VTR-L29 LTE Band V 10M QPSK 1RB 25 offset 20525CH Right touch with Battery 2-Main Antenna

**DUT: VTR-L29; 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;  $\sigma = 0.912$  S/m;  $\epsilon_r = 41.848$ ;  $\rho = 1000$  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 Sn914; Calibrated: 2016-1-7
- ε Phantom: SAM4; Type: SAM; Serial: TP-1620
- ε DASY52 52.8.8(1258); 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) = 0.493 W/kg

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

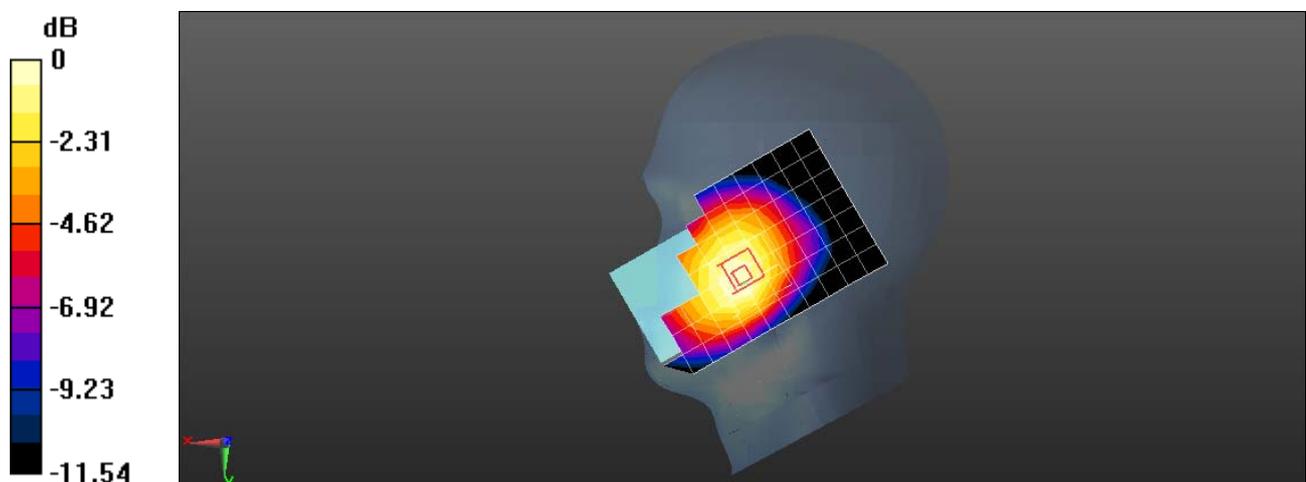
Reference Value = 7.505 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 0.542 W/kg

**SAR(1 g) = 0.414 W/kg; SAR(10 g) = 0.313 W/kg**

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

Maximum value of SAR (measured) = 0.491 W/kg



0 dB = 0.491 W/kg = -3.09 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

### VTR-L29 LTE Band V 10M QPSK 1RB 25 Offset 20600CH Back side 15mm -Main Antenna

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

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

Medium parameters used:  $f = 844 \text{ MHz}$ ;  $\sigma = 1 \text{ S/m}$ ;  $\epsilon_r = 53.31$ ;  $\rho = 1000 \text{ kg/m}^3$

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 Sn914; Calibrated: 2016-1-7
- ε Phantom: SAM4; Type: SAM; Serial: TP-1620
- ε DASY52 52.8.8(1258); SEMCAD X 14.6.10(7331)

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

Maximum value of SAR (measured) = 0.435 W/kg

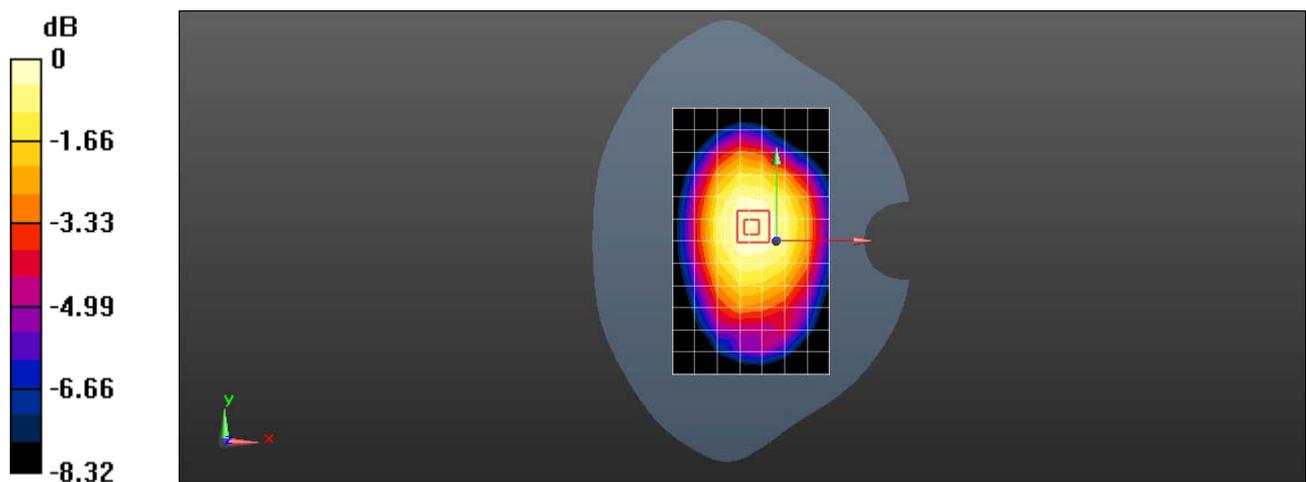
**Configuration/Body/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$

Reference Value = 21.68 V/m; Power Drift = -0.00 dB

Peak SAR (extrapolated) = 0.482 W/kg

**SAR(1 g) = 0.366 W/kg; SAR(10 g) = 0.277 W/kg**

Maximum value of SAR (measured) = 0.444 W/kg



0 dB = 0.444 W/kg = -3.53 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

### VTR-L29 LTE Band V 10M QPSK 1RB 25 Offset 20600CH Right side 10mm with Battery 3-Main Antenna

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

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

Medium parameters used:  $f = 844$  MHz;  $\sigma = 1$  S/m;  $\epsilon_r = 53.31$ ;  $\rho = 1000$  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 Sn914; Calibrated: 2016-1-7
- ε Phantom: SAM4; Type: SAM; Serial: TP-1620
- ε DASY52 52.8.8(1258); SEMCAD X 14.6.10(7331)

**Configuration/Body/Area Scan (5x13x1):** Measurement grid:  $dx=15$ mm,  $dy=15$ mm

Maximum value of SAR (measured) = 0.686 W/kg

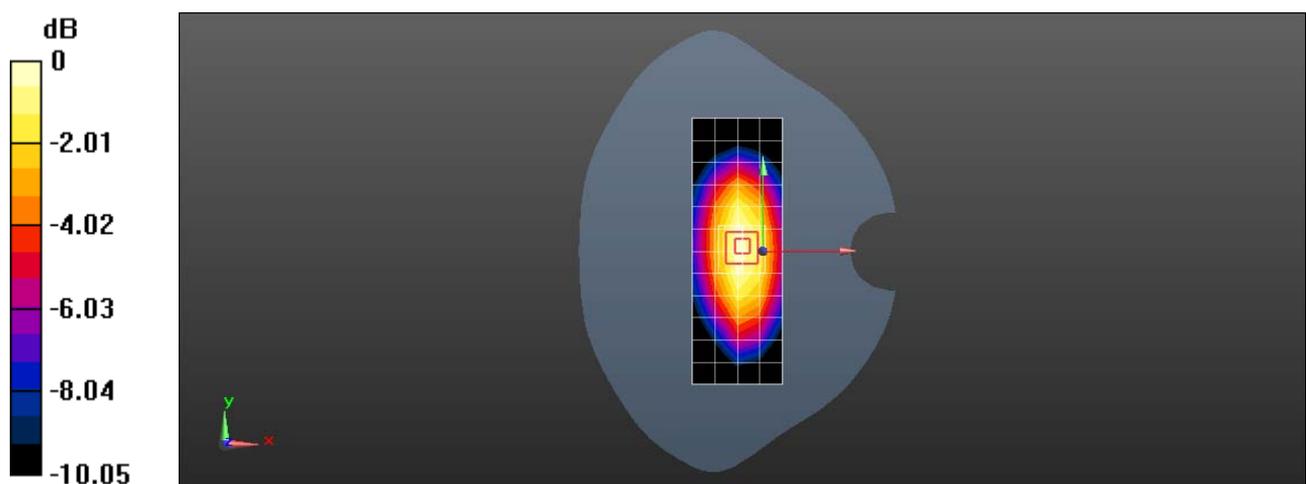
**Configuration/Body/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 24.60 V/m; Power Drift = -0.13 dB

Peak SAR (extrapolated) = 0.787 W/kg

**SAR(1 g) = 0.530 W/kg; SAR(10 g) = 0.358 W/kg**

Maximum value of SAR (measured) = 0.696 W/kg



0 dB = 0.696 W/kg = -1.58 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

## VTR-L29 LTE Band VII 20M QPSK 1RB 99 offset 21350CH Right touch with Battery 3-Main Antenna-state2

**DUT: VTR-L29; 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;  $\sigma = 1.894$  S/m;  $\epsilon_r = 40.134$ ;  $\rho = 1000$  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 Sn914; Calibrated: 2016-1-7
- ε Phantom: SAM3; Type: SAM; Serial: TP-1597
- ε DASY52 52.8.8(1258); SEMCAD X 14.6.10(7331)

**Configuration/Head/Area Scan (10x15x1):** Measurement grid: dx=12mm, dy=12mm  
Maximum value of SAR (measured) = 1.32 W/kg

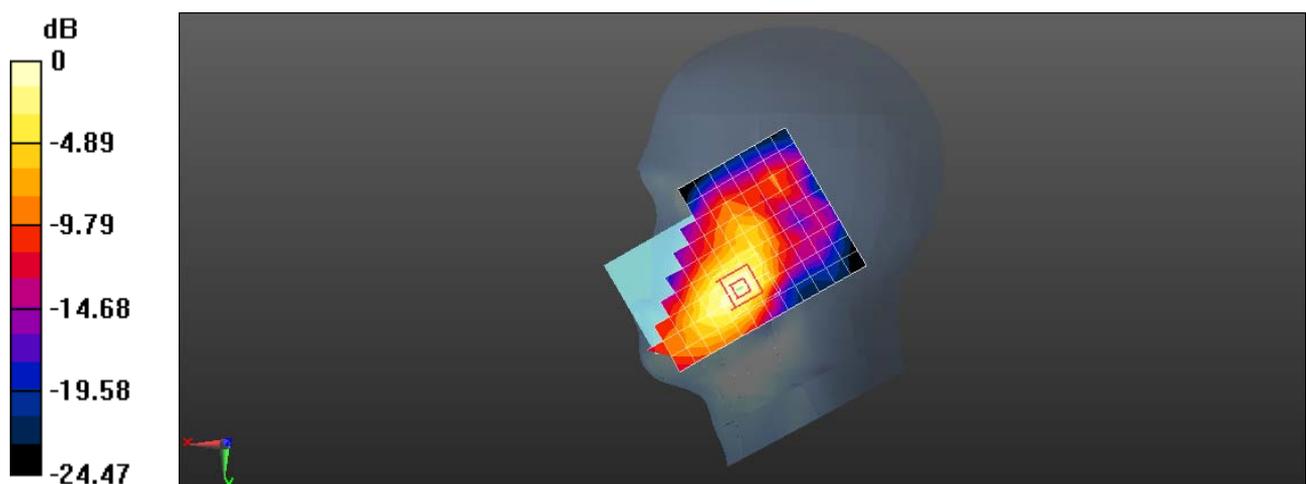
**Configuration/Head/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 5.745 V/m; Power Drift = 0.19 dB

Peak SAR (extrapolated) = 1.73 W/kg

**SAR(1 g) = 0.937 W/kg; SAR(10 g) = 0.499 W/kg**

Maximum value of SAR (measured) = 1.41 W/kg



0 dB = 1.41 W/kg = 1.50 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

## VTR-L29 LTE Band VII 20M QPSK 1RB 99 offset 21100CH Front side 15mm-Main Antenna-sate2

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

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

Medium parameters used:  $f = 2535$  MHz;  $\sigma = 2.143$  S/m;  $\epsilon_r = 53.15$ ;  $\rho = 1000$  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 Sn910; Calibrated: 2016-6-15
- ε Phantom: SAM4; Type: SAM; Serial: TP-1620
- ε DASY52 52.8.8(1258); SEMCAD X 14.6.10(7331)

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

Maximum value of SAR (measured) = 0.732 W/kg

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

Reference Value = 6.507 V/m; Power Drift = -0.10 dB

Peak SAR (extrapolated) = 0.979 W/kg

**SAR(1 g) = 0.522 W/kg; SAR(10 g) = 0.280 W/kg**

Maximum value of SAR (measured) = 0.798 W/kg

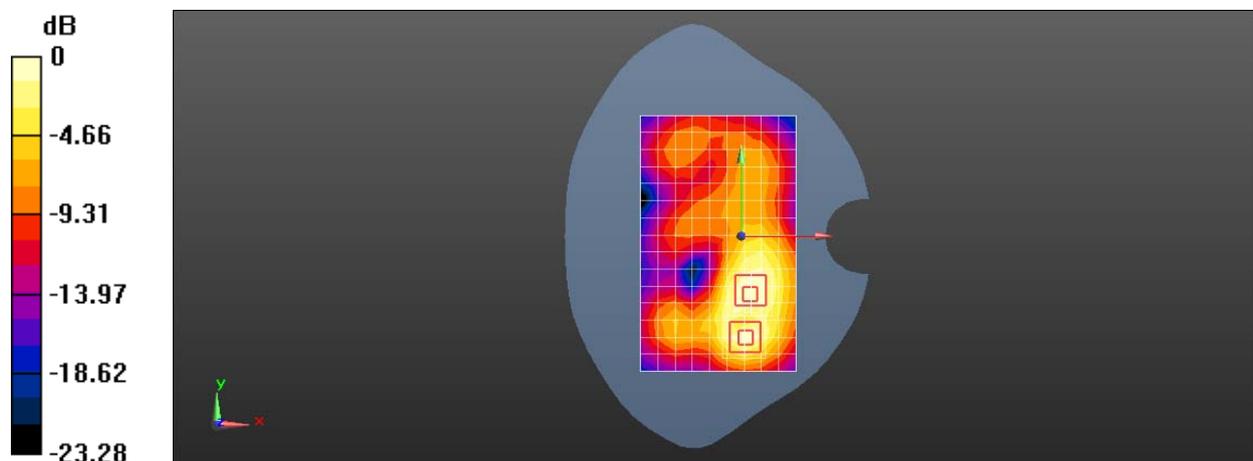
**Configuration/Body/Zoom Scan (7x7x7)/Cube 1:** Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

Reference Value = 6.507 V/m; Power Drift = -0.10 dB

Peak SAR (extrapolated) = 0.916 W/kg

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

Maximum value of SAR (measured) = 0.730 W/kg



0 dB = 0.730 W/kg = -1.37 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

### VTR-L29 LTE Band VII 20M QPSK 1RB 99 offset 21350CH Back side 11mm-Main Antenna-state2-sensor off

**DUT: VTR-L29; 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;  $\sigma = 2.192$  S/m;  $\epsilon_r = 51.73$ ;  $\rho = 1000$  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 Sn910; Calibrated: 2016-6-15
- ε Phantom: SAM4; Type: SAM; Serial: TP-1620
- ε DASY52 52.8.8(1258); SEMCAD X 14.6.10(7331)

**Configuration/Body/Area Scan (10x16x1):** Measurement grid:  $dx=12$ mm,  $dy=12$ mm  
Maximum value of SAR (measured) = 1.36 W/kg

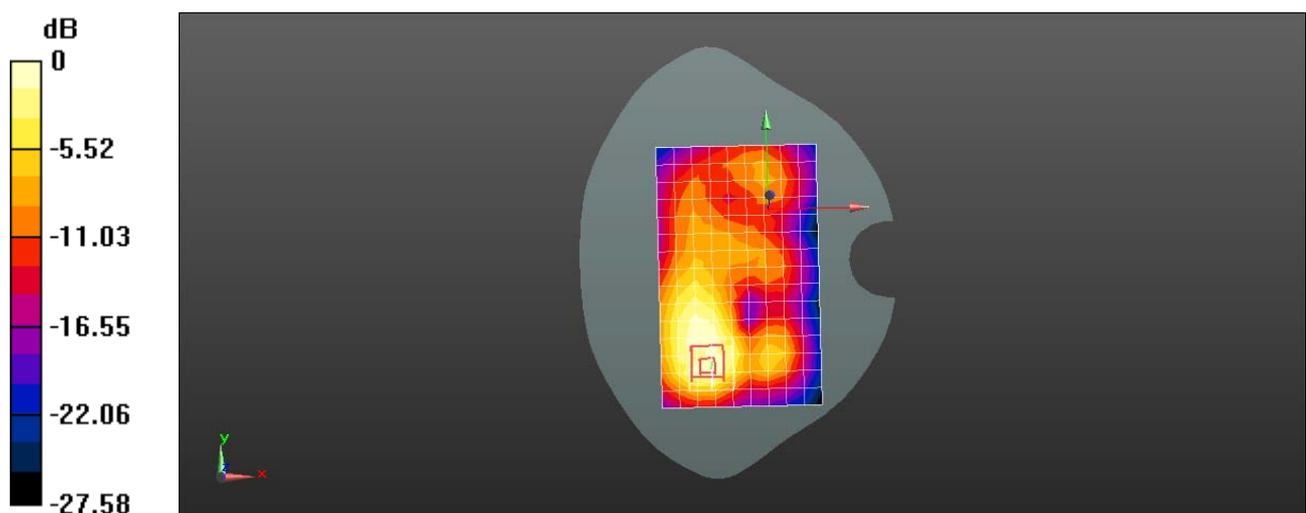
**Configuration/Body/Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

Reference Value = 9.228 V/m; Power Drift = 0.00 dB

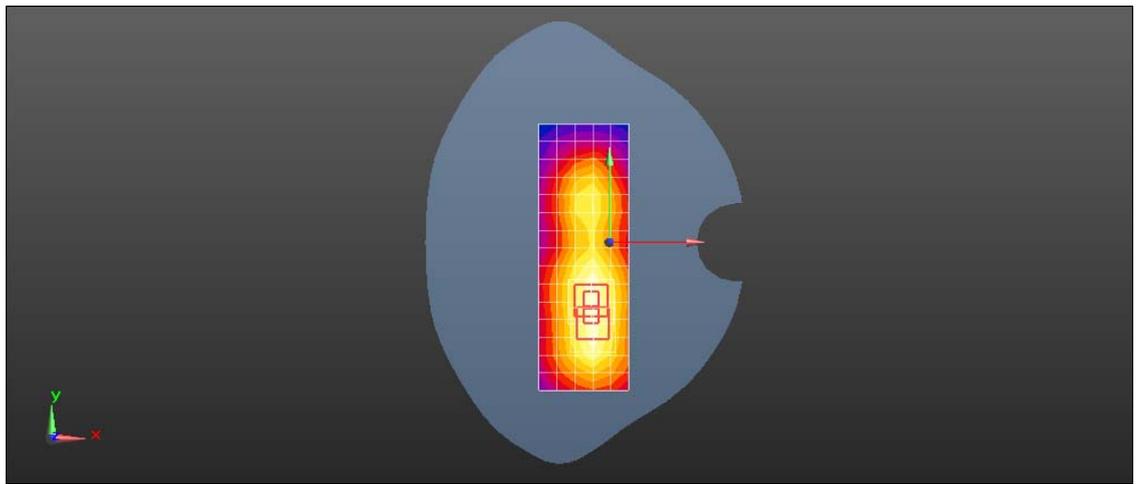
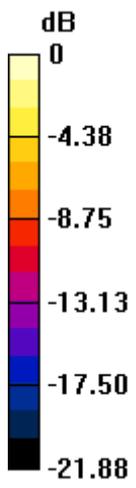
Peak SAR (extrapolated) = 2.36 W/kg

**SAR(1 g) = 1.04 W/kg; SAR(10 g) = 0.453 W/kg**

Maximum value of SAR (measured) = 1.74 W/kg



0 dB = 1.36 W/kg = 1.34 dBW/kg



0 dB = 1.31 W/kg = 1.16 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

## VTR-L29 LTE Band XII 10M QPSK 1RB 25 offset 23060CH Right touch-Main Antenna

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

Communication System: UID 0, LTE-FDD (SC-FDMA, 10MHz, QPSK/16-QAM) (0); Frequency: 704 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 704$  MHz;  $\sigma = 0.844$  S/m;  $\epsilon_r = 42.022$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Right Section

DASY Configuration:

- ε Probe: ES3DV3 - SN3168; ConvF(6.93, 6.93, 6.93); Calibrated: 2016-9-27;
- ε Sensor-Surface: 3mm (Mechanical Surface Detection),  $z = 2.0, 32.0$
- ε Electronics: DAE4 Sn852; Calibrated: 2016-4-20
- ε Phantom: SAM1; Type: SAM; Serial: TP-1475
- ε DASY52 52.8.8(1258); SEMCAD X 14.6.10(7331)

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

Maximum value of SAR (measured) = 0.255 W/kg

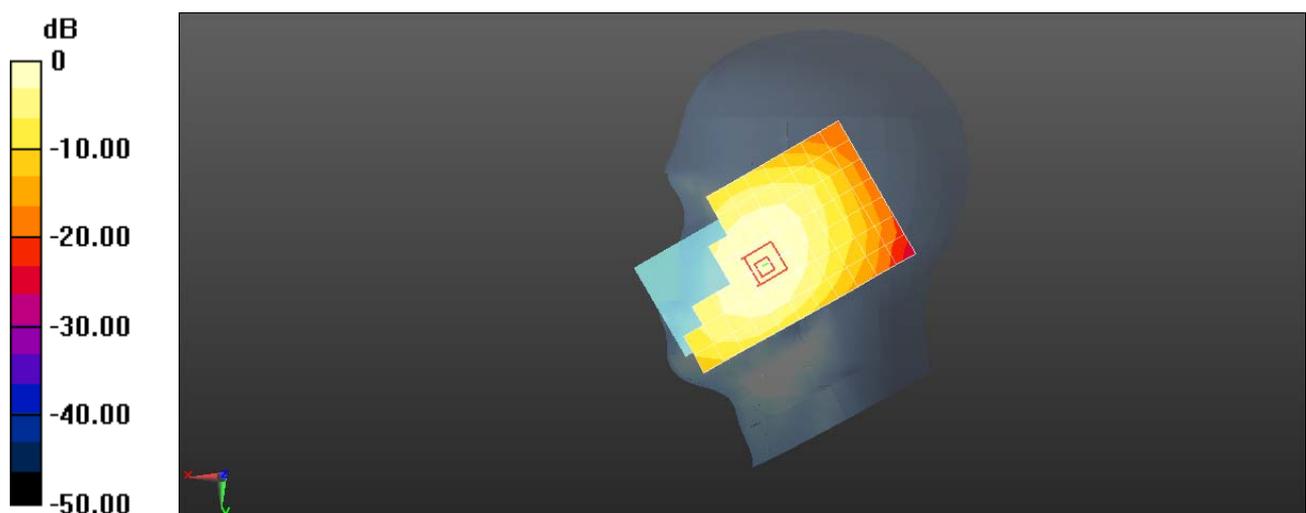
**Configuration/Head/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 6.519 V/m; Power Drift = -0.08 dB

Peak SAR (extrapolated) = 0.283 W/kg

**SAR(1 g) = 0.238 W/kg; SAR(10 g) = 0.187 W/kg**

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



0 dB = 0.255 W/kg = -5.93 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

## VTR-L29 LTE Band XII 10M QPSK 1RB 25 offset 23130CH Back side 15mm-Main Antenna

**DUT: VTR-L29; 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:  $f = 711 \text{ MHz}$ ;  $\sigma = 0.918 \text{ S/m}$ ;  $\epsilon_r = 54.494$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY Configuration:

- ε Probe: ES3DV3 - SN3168; ConvF(6.45, 6.45, 6.45); Calibrated: 2016-9-27;
- ε Sensor-Surface: 3mm (Mechanical Surface Detection),  $z = 2.0, 32.0$
- ε Electronics: DAE4 Sn852; Calibrated: 2016-4-20
- ε Phantom: SAM1; Type: SAM; Serial: TP-1475
- ε DASY52 52.8.8(1258); SEMCAD X 14.6.10(7331)

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

Maximum value of SAR (measured) =  $0.206 \text{ W/kg}$

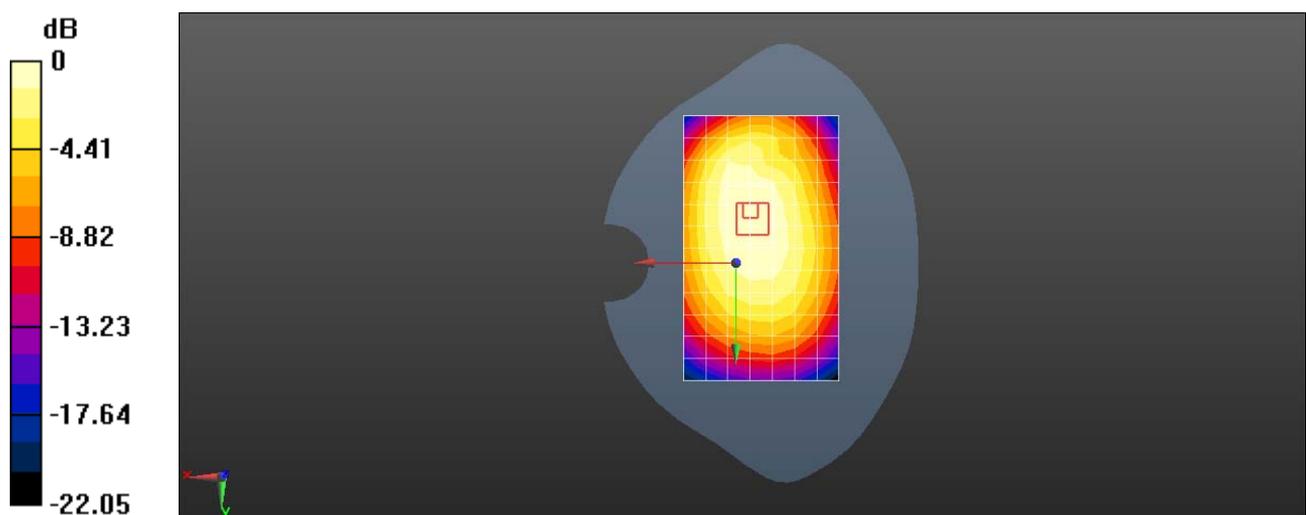
**Configuration/Body/Zoom Scan (5x6x7)/Cube 0:** Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$

Reference Value =  $14.13 \text{ V/m}$ ; Power Drift =  $0.02 \text{ dB}$

Peak SAR (extrapolated) =  $0.246 \text{ W/kg}$

**SAR(1 g) =  $0.188 \text{ W/kg}$ ; SAR(10 g) =  $0.144 \text{ W/kg}$**

Maximum value of SAR (measured) =  $0.208 \text{ W/kg}$



$0 \text{ dB} = 0.206 \text{ W/kg} = -6.86 \text{ dBW/kg}$

Test Laboratory: HUAWEI SAR/HAC Lab

## VTR-L29 LTE Band XII 10M QPSK 1RB 25 offset 23130CH Back side 10mm-Main Antenna

**DUT: VTR-L29; 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:  $f = 711 \text{ MHz}$ ;  $\sigma = 0.918 \text{ S/m}$ ;  $\epsilon_r = 54.494$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY Configuration:

- ε Probe: ES3DV3 - SN3168; ConvF(6.45, 6.45, 6.45); Calibrated: 2016-9-27;
- ε Sensor-Surface: 3mm (Mechanical Surface Detection),  $z = 2.0, 32.0$
- ε Electronics: DAE4 Sn852; Calibrated: 2016-4-20
- ε Phantom: SAM1; Type: SAM; Serial: TP-1475
- ε DASY52 52.8.8(1258); SEMCAD X 14.6.10(7331)

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

Maximum value of SAR (measured) =  $0.274 \text{ W/kg}$

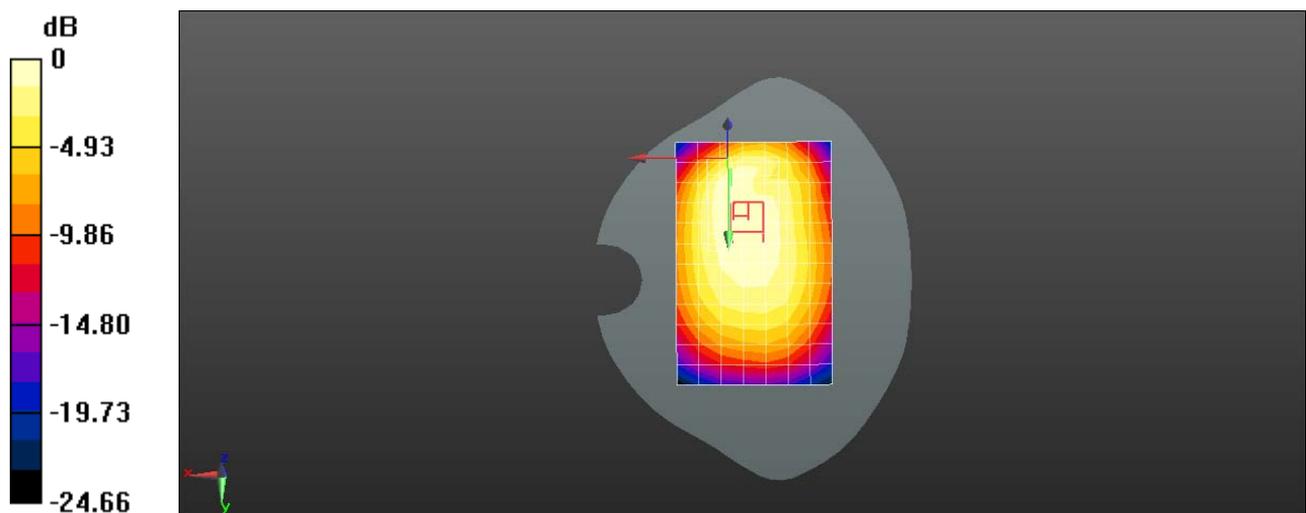
**Configuration/Body/Zoom Scan (7x8x7)/Cube 0:** Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$

Reference Value =  $15.34 \text{ V/m}$ ; Power Drift =  $-0.01 \text{ dB}$

Peak SAR (extrapolated) =  $0.405 \text{ W/kg}$

**SAR(1 g) =  $0.244 \text{ W/kg}$ ; SAR(10 g) =  $0.182 \text{ W/kg}$**

Maximum value of SAR (measured) =  $0.284 \text{ W/kg}$



$0 \text{ dB} = 0.274 \text{ W/kg} = -5.62 \text{ dBW/kg}$

Test Laboratory: HUAWEI SAR/HAC Lab

## VTR-L29 LTE Band XXVI 15M QPSK 1RB 38RB offset 26965CH Right touch- Main Antenna

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

Communication System: UID 0, LTE-FDD (SC-FDMA, 15MHz, QPSK/16-QAM) (0); Frequency: 841.5 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated):  $f = 841.5$  MHz;  $\sigma = 0.919$  S/m;  $\epsilon_r = 41.825$ ;  $\rho = 1000$  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 Sn914; Calibrated: 2016-1-7
- ε Phantom: SAM4; Type: SAM; Serial: TP-1620
- ε DASY52 52.8.8(1258); 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) = 0.469 W/kg

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

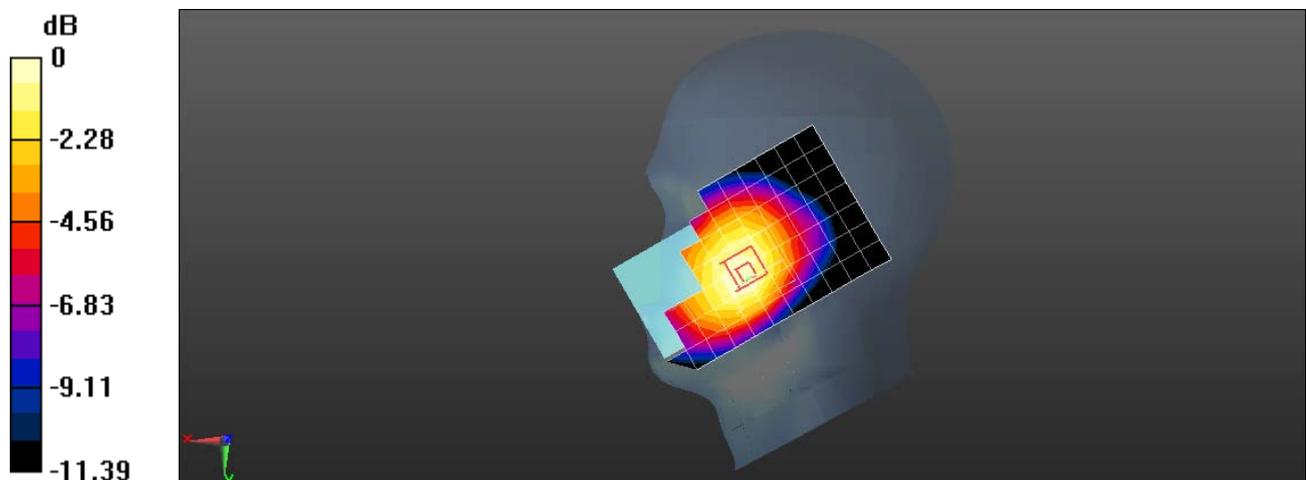
Reference Value = 7.863 V/m; Power Drift = -0.08 dB

Peak SAR (extrapolated) = 0.517 W/kg

**SAR(1 g) = 0.393 W/kg; SAR(10 g) = 0.296 W/kg**

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

Maximum value of SAR (measured) = 0.465 W/kg



0 dB = 0.465 W/kg = -3.32 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

## VTR-L29 LTE Band XXVI 15M QPSK 1RB 38 Offset 26965CH Back side 15mm with Battery3-Main Antenna

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

Communication System: UID 0, LTE-FDD (SC-FDMA, 15MHz, QPSK/16-QAM) (0); Frequency: 841.5 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated):  $f = 841.5$  MHz;  $\sigma = 1.003$  S/m;  $\epsilon_r = 53.108$ ;  $\rho = 1000$  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 Sn914; Calibrated: 2016-1-7
- ε Phantom: SAM4; Type: SAM; Serial: TP-1620
- ε DASY52 52.8.8(1258); SEMCAD X 14.6.10(7331)

**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) = 0.462 W/kg

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

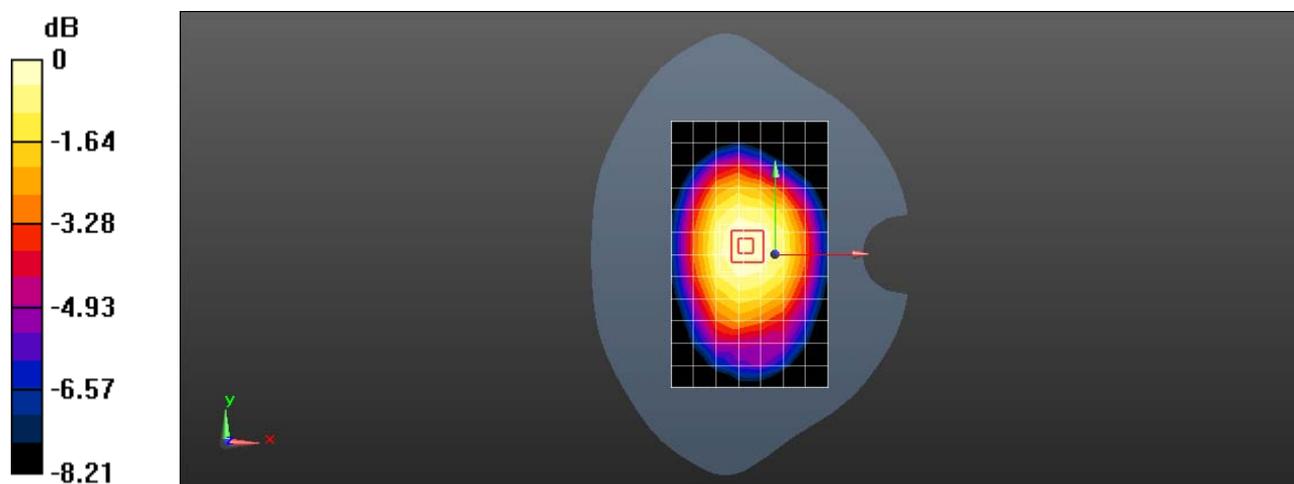
Reference Value = 22.37 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 0.509 W/kg

**SAR(1 g) = 0.387 W/kg; SAR(10 g) = 0.293 W/kg**

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

Maximum value of SAR (measured) = 0.468 W/kg



0 dB = 0.468 W/kg = -3.30 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

## VTR-L29 LTE Band XXVI 15M QPSK 1RB 38 Offset 26965CH Right side 10mm -Main Antenna

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

Communication System: UID 0, LTE-FDD (SC-FDMA, 15MHz, QPSK/16-QAM) (0); Frequency: 841.5 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated):  $f = 841.5$  MHz;  $\sigma = 0.997$  S/m;  $\epsilon_r = 53.346$ ;  $\rho = 1000$  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 Sn914; Calibrated: 2016-1-7
- ε Phantom: SAM4; Type: SAM; Serial: TP-1620
- ε DASY52 52.8.8(1258); SEMCAD X 14.6.10(7331)

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

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

Maximum value of SAR (measured) = 0.785 W/kg

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

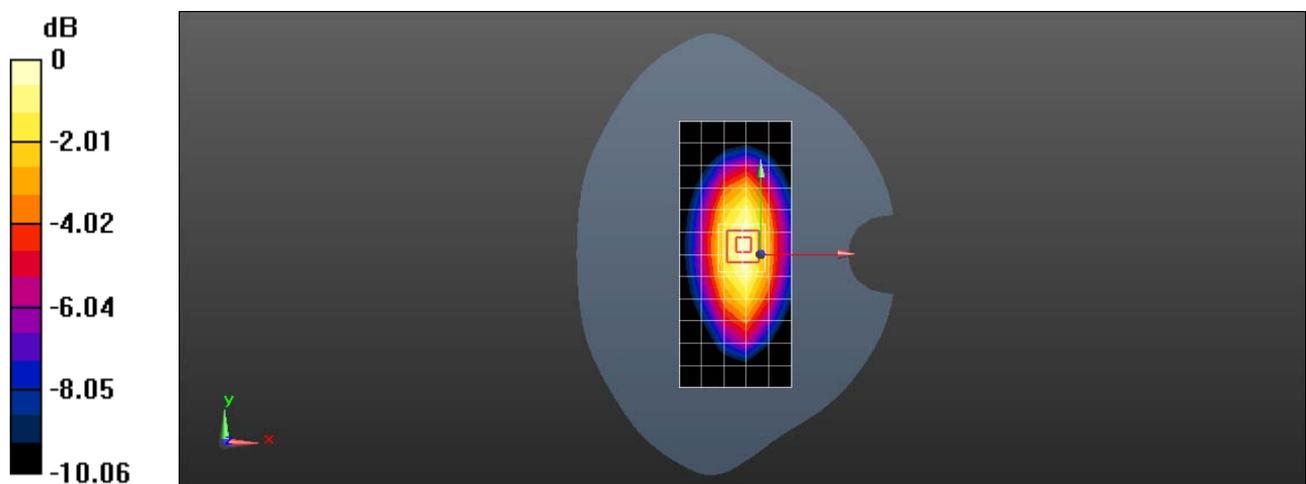
Reference Value = 28.55 V/m; Power Drift = -0.11 dB

Peak SAR (extrapolated) = 0.905 W/kg

**SAR(1 g) = 0.608 W/kg; SAR(10 g) = 0.410 W/kg**

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

Maximum value of SAR (measured) = 0.799 W/kg



0 dB = 0.799 W/kg = -0.98 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

## VTR-L29 LTE Band XXXVIII 20M QPSK 1RB 50 offset 37850CH Right touch - Main antenna

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

Communication System: UID 0, LTE-TDD (SC-FDMA, 20MHz, QPSK/16-QAM) (0); Frequency: 2580 MHz; Duty Cycle: 1:1.58855

Medium parameters used:  $f = 2580$  MHz;  $\sigma = 1.891$  S/m;  $\epsilon_r = 40.158$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Right Section

DASY Configuration:

- ε Probe: EX3DV4 - SN7381; ConvF(7.27, 7.27, 7.27); Calibrated: 2016-9-29;
- ε Sensor-Surface: 1.4mm (Mechanical Surface Detection), z = 1.0, 31.0
- ε Electronics: DAE4 Sn1492; Calibrated: 2016-9-28
- ε Phantom: SAM5; Type: QD000P40CD; Serial: TP:1894
- ε DASY52 52.8.8(1258); SEMCAD X 14.6.10(7331)

**Configuration/Head/Area Scan (9x16x1):** Measurement grid: dx=12mm, dy=12mm

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

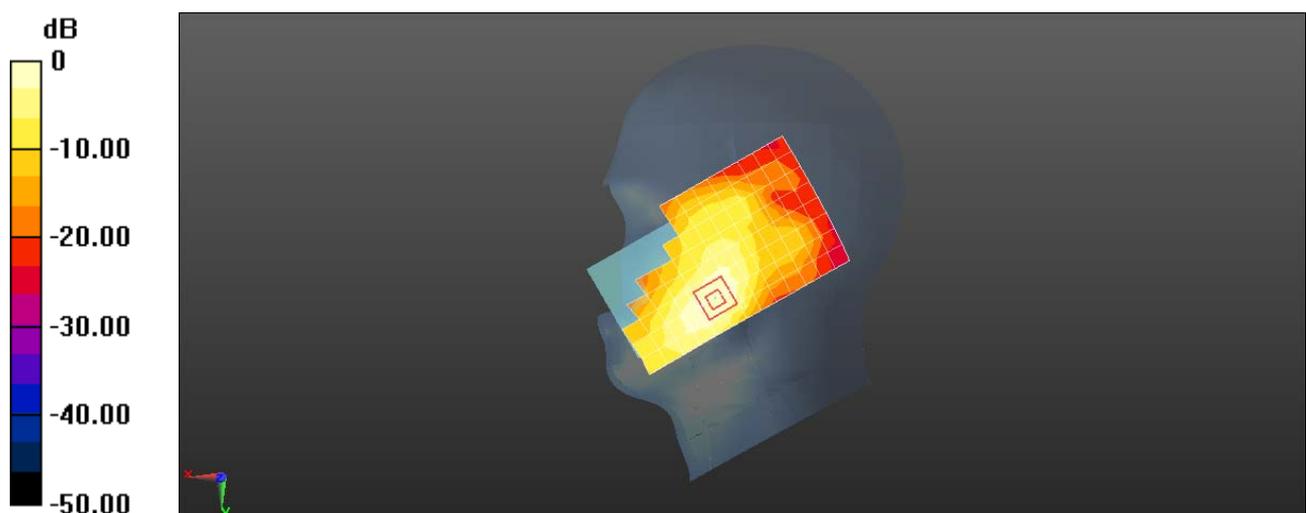
**Configuration/Head/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 2.502 V/m; Power Drift = 0.06 dB

Peak SAR (extrapolated) = 0.915 W/kg

**SAR(1 g) = 0.500 W/kg; SAR(10 g) = 0.269 W/kg**

Maximum value of SAR (measured) = 0.754 W/kg



0 dB = 0.739 W/kg = -1.31 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

### VTR-L29 LTE Band XXXVIII 20M QPSK 1RB 50 offset 38150CH Front Side 15mm-Main Antenna-state 2

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

Communication System: UID 0, LTE-TDD (SC-FDMA, 20MHz, QPSK/16-QAM) (0); Frequency: 2610 MHz; Duty Cycle: 1:1.57906

Medium parameters used:  $f = 2610$  MHz;  $\sigma = 2.175$  S/m;  $\epsilon_r = 51.539$ ;  $\rho = 1000$  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 Sn852; Calibrated: 2016-4-20
- ε Phantom: SAM2; Type: SAM; Serial: TP:1474
- ε DASY52 52.8.8(1258); SEMCAD X 14.6.10(7331)

**Configuration/Body/Area Scan (9x16x1):** Measurement grid:  $dx=12$ mm,  $dy=12$ mm  
Maximum value of SAR (measured) = 0.495 W/kg

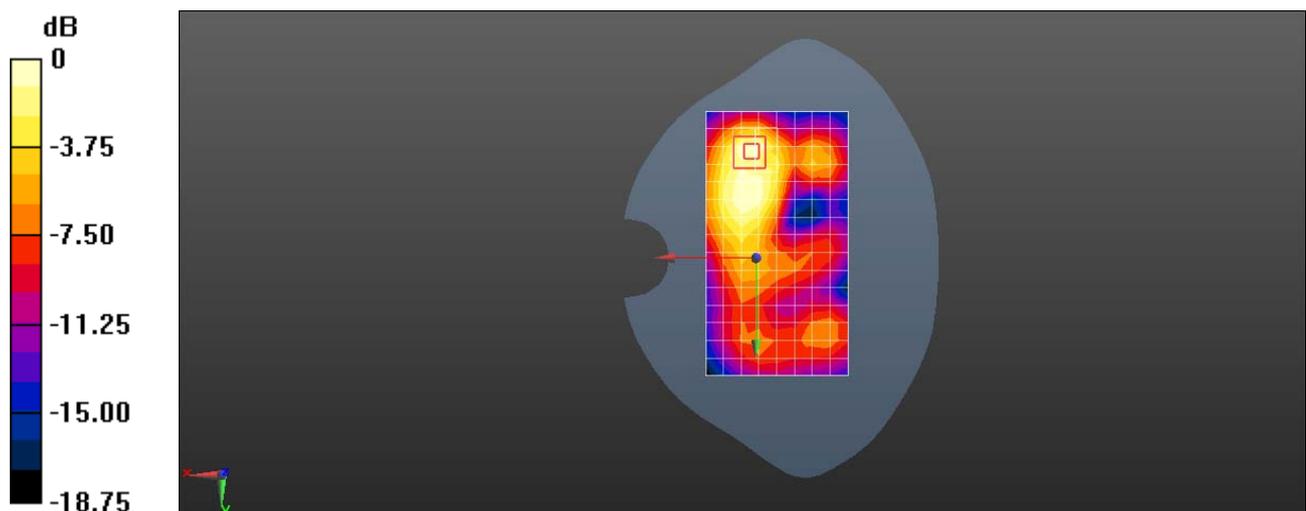
**Configuration/Body/Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

Reference Value = 6.965 V/m; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 0.928 W/kg

**SAR(1 g) = 0.435 W/kg; SAR(10 g) = 0.202 W/kg**

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



0 dB = 0.495 W/kg = -3.05 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

### VTR-L29 LTE Band XXXVIII 20M QPSK 1RB 50 offset 38150CH Back Side 11mm-Main Antenna-state 2

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

Communication System: UID 0, LTE-TDD (SC-FDMA, 20MHz, QPSK/16-QAM) (0); Frequency: 2610 MHz; Duty Cycle: 1:1.57906

Medium parameters used:  $f = 2610$  MHz;  $\sigma = 2.175$  S/m;  $\epsilon_r = 51.539$ ;  $\rho = 1000$  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 Sn852; Calibrated: 2016-4-20
- ε Phantom: SAM2; Type: SAM; Serial: TP:1474
- ε DASY52 52.8.8(1258); SEMCAD X 14.6.10(7331)

**Configuration/Body/Area Scan (9x16x1):** Measurement grid:  $dx=12$ mm,  $dy=12$ mm  
Maximum value of SAR (measured) = 1.26 W/kg

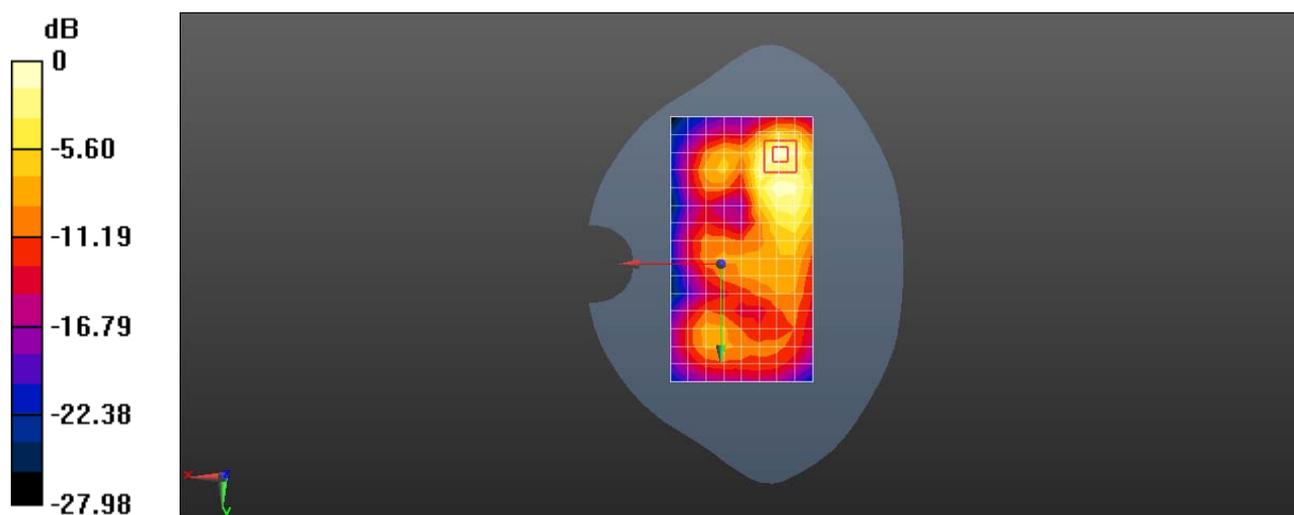
**Configuration/Body/Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

Reference Value = 9.179 V/m; Power Drift = 0.06 dB

Peak SAR (extrapolated) = 2.24 W/kg

**SAR(1 g) = 0.946 W/kg; SAR(10 g) = 0.402 W/kg**

Maximum value of SAR (measured) = 1.32 W/kg



0 dB = 1.26 W/kg = 1.00 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

## VTR-L29 LTE Band XLI 20M QPSK 1RB 50 Offset 40740CH Right touch-Main Antenna-state2

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

Communication System: UID 0, LTE-TDD (SC-FDMA, 20MHz, QPSK/16-QAM) (0); Frequency: 2605 MHz; Duty Cycle: 1:1.57943

Medium parameters used:  $f = 2605$  MHz;  $\sigma = 1.93$  S/m;  $\epsilon_r = 40.077$ ;  $\rho = 1000$  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 Sn914; Calibrated: 2016-1-7
- ε Phantom: SAM3; Type: SAM; Serial: TP-1597
- ε DASY52 52.8.8(1258); SEMCAD X 14.6.10(7331)

**Configuration/Head/Area Scan (9x15x1):** Measurement grid:  $dx=12$ mm,  $dy=12$ mm

Maximum value of SAR (measured) = 0.765 W/kg

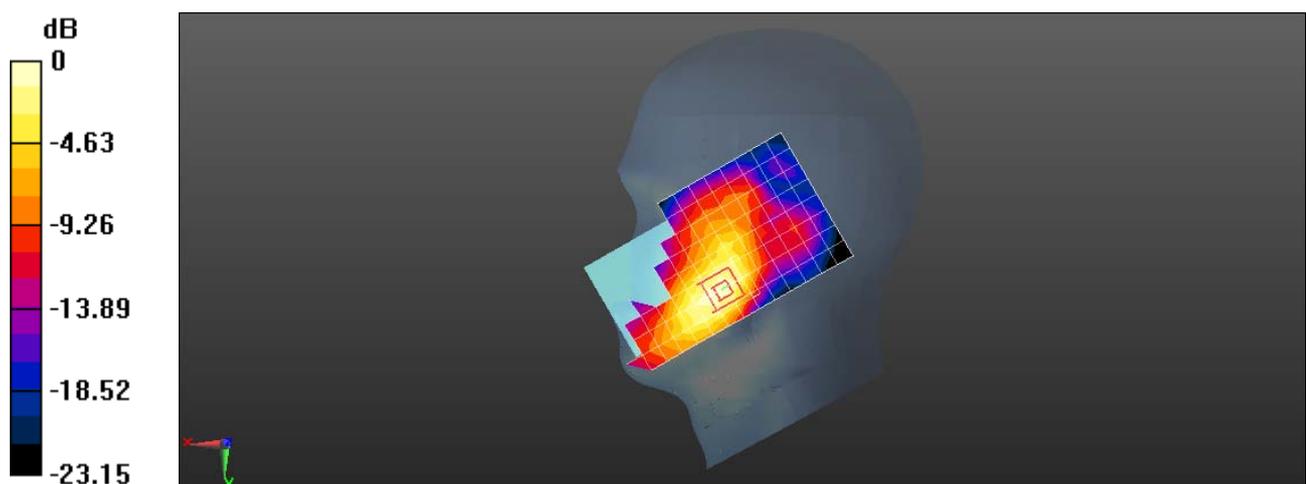
**Configuration/Head/Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

Reference Value = 3.374 V/m; Power Drift = 0.19 dB

Peak SAR (extrapolated) = 0.941 W/kg

**SAR(1 g) = 0.510 W/kg; SAR(10 g) = 0.274 W/kg**

Maximum value of SAR (measured) = 0.761 W/kg



0 dB = 0.761 W/kg = -1.19 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

**VTR-L29 LTE Band XLI 20M QPSK 1RB 50 offset 40740CH Front side 15mm  
-Main Antenna-sate2**

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

Communication System: UID 0, LTE-TDD (SC-FDMA, 20MHz, QPSK/16-QAM) (0); Frequency: 2605 MHz; Duty Cycle: 1:1.57943

Medium parameters used:  $f = 2605$  MHz;  $\sigma = 2.214$  S/m;  $\epsilon_r = 53.061$ ;  $\rho = 1000$  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 Sn910; Calibrated: 2016-6-15
- ε Phantom: SAM4; Type: SAM; Serial: TP-1620
- ε DASY52 52.8.8(1258); SEMCAD X 14.6.10(7331)

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

Maximum value of SAR (measured) = 0.667 W/kg

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

Reference Value = 6.926 V/m; Power Drift = 0.06 dB

Peak SAR (extrapolated) = 0.843 W/kg

**SAR(1 g) = 0.437 W/kg; SAR(10 g) = 0.228 W/kg**

Maximum value of SAR (measured) = 0.670 W/kg

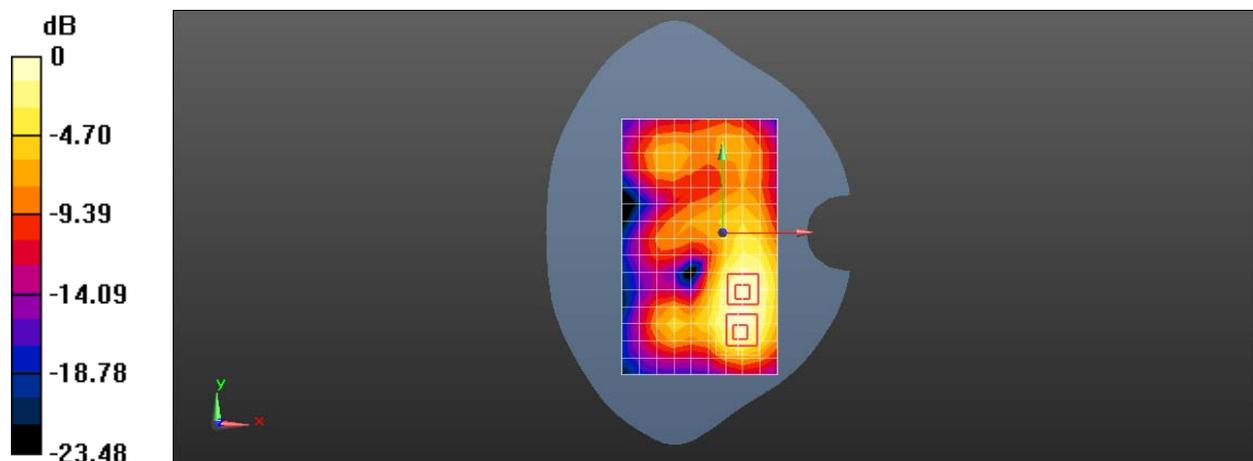
**Configuration/Body/Zoom Scan (7x7x7)/Cube 1:** Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

Reference Value = 6.926 V/m; Power Drift = 0.06 dB

Peak SAR (extrapolated) = 0.783 W/kg

**SAR(1 g) = 0.373 W/kg; SAR(10 g) = 0.179 W/kg**

Maximum value of SAR (measured) = 0.605 W/kg



0 dB = 0.605 W/kg = -2.18 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

**VTR-L29 LTE Band XLI 20M QPSK 1RB 50 offset 40740CH Back side 10mm  
-Main Antenna-state2**

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

Communication System: UID 0, LTE-TDD (SC-FDMA, 20MHz, QPSK/16-QAM) (0); Frequency: 2605 MHz; Duty Cycle: 1:1.57943

Medium parameters used:  $f = 2605$  MHz;  $\sigma = 2.238$  S/m;  $\epsilon_r = 51.676$ ;  $\rho = 1000$  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 Sn910; Calibrated: 2016-6-15
- ε Phantom: SAM4; Type: SAM; Serial: TP-1620
- ε DASY52 52.8.8(1258); SEMCAD X 14.6.10(7331)

**Configuration/Body/Area Scan (10x16x1):** Measurement grid:  $dx=12$ mm,  $dy=12$ mm  
Maximum value of SAR (measured) = 1.75 W/kg

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

Reference Value = 9.834 V/m; Power Drift = -0.07 dB

Peak SAR (extrapolated) = 2.54 W/kg

**SAR(1 g) = 1.08 W/kg; SAR(10 g) = 0.462 W/kg**

Maximum value of SAR (measured) = 1.92 W/kg

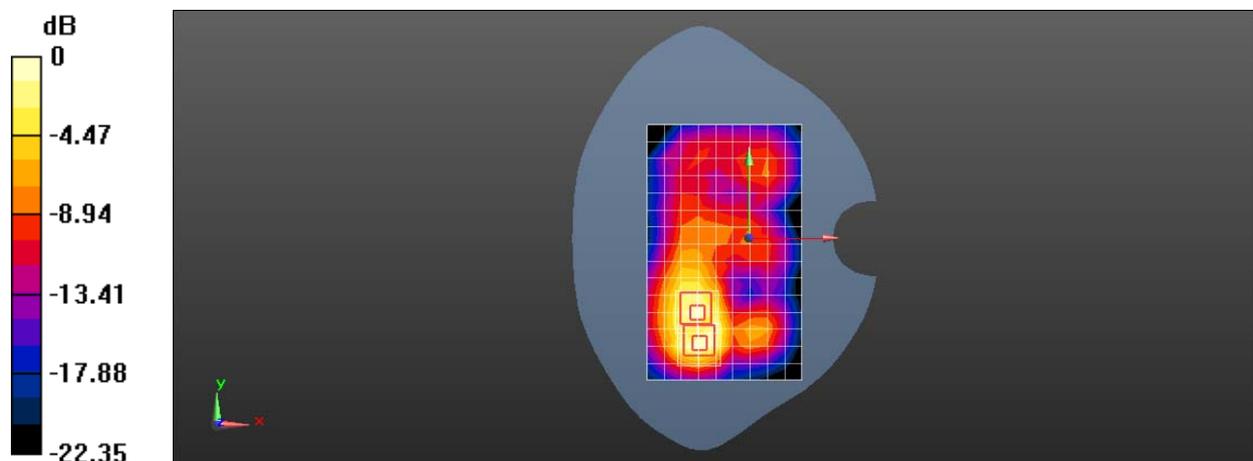
**Configuration/Body/Zoom Scan (7x7x7)/Cube 1:** Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

Reference Value = 9.834 V/m; Power Drift = -0.07 dB

Peak SAR (extrapolated) = 1.89 W/kg

**SAR(1 g) = 0.941 W/kg; SAR(10 g) = 0.453 W/kg**

Maximum value of SAR (measured) = 1.52 W/kg



0 dB = 1.52 W/kg = 1.83 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

## VTR-L29 wifi2.4G 802.11b 1CH Left touch with Battery2-Ant1

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

Communication System: UID 0, WiFi(802.11a/b/g/n/ac) (0); Frequency: 2412 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 2412$  MHz;  $\sigma = 1.78$  S/m;  $\epsilon_r = 39.805$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Left Section

DASY Configuration:

- ε Probe: EX3DV4 - SN3736; ConvF(6.88, 6.88, 6.88); Calibrated: 2016-4-26;
- ε Sensor-Surface: 1.4mm (Mechanical Surface Detection), z = 1.0, 31.0
- ε Electronics: DAE4 Sn852; Calibrated: 2016-4-20
- ε Phantom: SAM1; Type: SAM; Serial: TP-1475
- ε DASY52 52.8.8(1258); SEMCAD X 14.6.10(7331)

**Configuration/Head/Area Scan (9x16x1):** Measurement grid: dx=12mm, dy=12mm  
Maximum value of SAR (measured) = 0.662 W/kg

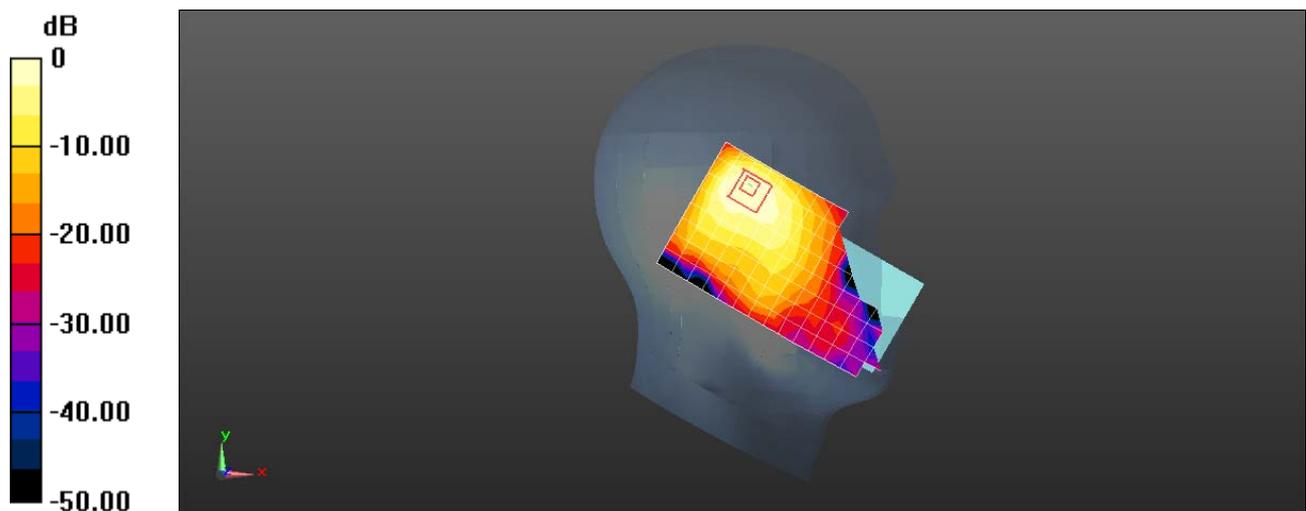
**Configuration/Head/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 9.179 V/m; Power Drift = -0.06 dB

Peak SAR (extrapolated) = 1.76 W/kg

**SAR(1 g) = 0.699 W/kg; SAR(10 g) = 0.311 W/kg**

Maximum value of SAR (measured) = 0.986 W/kg



0 dB = 0.662 W/kg = -1.79 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

## VTR-L29 Wifi 2.4G 11b 6CH Back side 15mm-Ant1

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

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;  $\sigma = 1.987$  S/m;  $\epsilon_r = 51.95$ ;  $\rho = 1000$  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 Sn910; Calibrated: 2016-6-15
- ε Phantom: SAM4; Type: SAM; Serial: TP-1620
- ε DASY52 52.8.8(1258); SEMCAD X 14.6.10(7331)

**Configuration/Body/Area Scan (10x16x1):** Measurement grid:  $dx=12$ mm,  $dy=12$ mm  
Maximum value of SAR (measured) = 0.131 W/kg

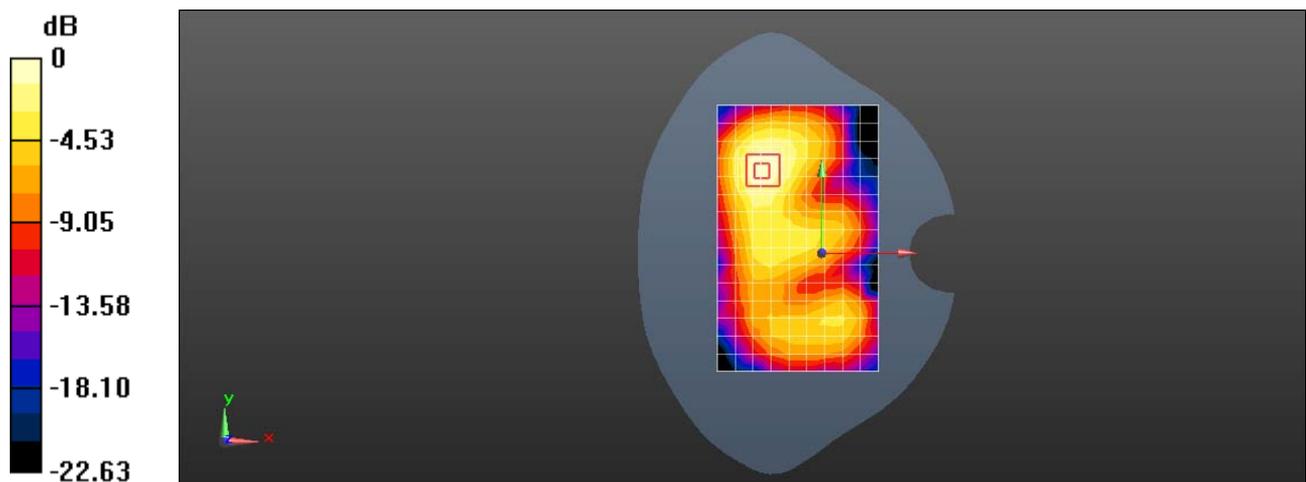
**Configuration/Body/Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

Reference Value = 5.520 V/m; Power Drift = 0.13 dB

Peak SAR (extrapolated) = 0.185 W/kg

**SAR(1 g) = 0.098 W/kg; SAR(10 g) = 0.053 W/kg**

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



0 dB = 0.151 W/kg = -8.21 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

### VTR-L29 Wifi 2.4G 11b 6CH Right side 10mm-Ant1

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

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;  $\sigma = 1.987$  S/m;  $\epsilon_r = 51.95$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Flat Section

DASY Configuration:

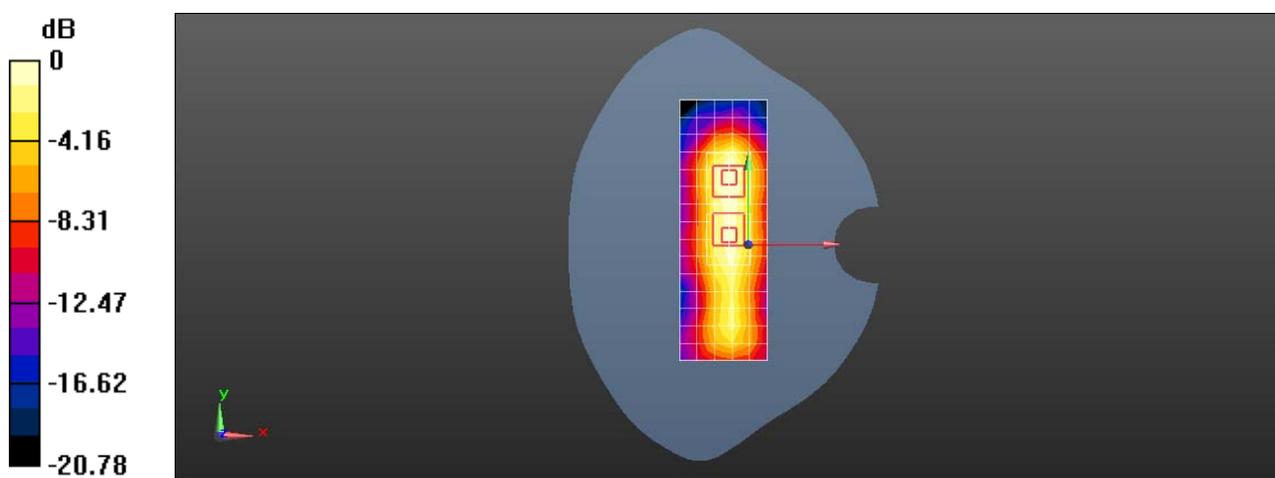
- ε Probe: EX3DV4 - SN3744; ConvF(6.99, 6.99, 6.99); Calibrated: 2016-7-26;
- ε Sensor-Surface: 1.4mm (Mechanical Surface Detection),  $z = 1.0, 31.0$
- ε Electronics: DAE4 Sn910; Calibrated: 2016-6-15
- ε Phantom: SAM4; Type: SAM; Serial: TP-1620
- ε DASY52 52.8.8(1258); SEMCAD X 14.6.10(7331)

**Configuration/Body/Area Scan (6x16x1):** Measurement grid:  $dx=12$ mm,  $dy=12$ mm  
Maximum value of SAR (measured) = 0.291 W/kg

**Configuration/Body/Zoom Scan (7x8x7)/Cube 0:** Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm  
Reference Value = 10.87 V/m; Power Drift = -0.13 dB  
Peak SAR (extrapolated) = 0.391 W/kg  
**SAR(1 g) = 0.195 W/kg; SAR(10 g) = 0.098 W/kg**  
Maximum value of SAR (measured) = 0.315 W/kg

**Configuration/Body/Zoom Scan (7x8x7)/Cube 1:** Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm  
Reference Value = 10.87 V/m; Power Drift = -0.13 dB  
Peak SAR (extrapolated) = 0.302 W/kg  
**SAR(1 g) = 0.154 W/kg; SAR(10 g) = 0.082 W/kg**

Maximum value of SAR (measured) = 0.243 W/kg



0 dB = 0.243 W/kg = -6.14 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

## VTR-L29 WIFI 5G 802.11a 64CH Left Touch

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

Communication System: UID 0, WiFi(802.11a/b/g/n/ac) (0); Frequency: 5320 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 5320$  MHz;  $\sigma = 4.667$  S/m;  $\epsilon_r = 35.21$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Left Section

DASY Configuration:

- ε Probe: EX3DV4 - SN3736; ConvF(4.57, 4.57, 4.57); Calibrated: 2016-4-26;
- ε Sensor-Surface: 1.4mm (Mechanical Surface Detection),  $z = 1.0, 25.0$
- ε Electronics: DAE4 Sn852; Calibrated: 2016-4-20
- ε Phantom: SAM1; Type: SAM; Serial: TP-1475
- ε DASY52 52.8.8(1258); SEMCAD X 14.6.10(7331)

**Configuration/Head/Area Scan (11x18x1):** Measurement grid:  $dx=10$ mm,  $dy=10$ mm  
Maximum value of SAR (measured) = 1.47 W/kg

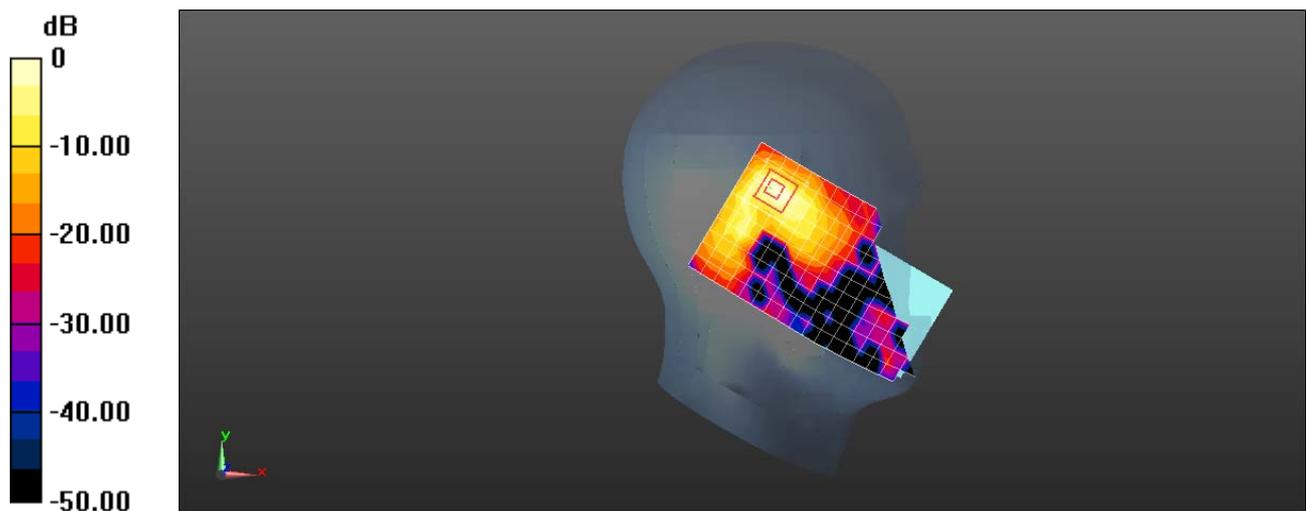
**Configuration/Head/Zoom Scan (9x9x7)/Cube 0:** Measurement grid:  $dx=4$ mm,  $dy=4$ mm,  $dz=1.4$ mm

Reference Value = 8.188 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 3.76 W/kg

**SAR(1 g) = 0.743 W/kg; SAR(10 g) = 0.206 W/kg**

Maximum value of SAR (measured) = 2.04 W/kg



0 dB = 1.47 W/kg = 1.67 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

## VTR-L29 WIFI 5G 802.11a 120CH Front Side 15mm with Battery2

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

Communication System: UID 0, WiFi(802.11a/b/g/n/ac) (0); Frequency: 5600 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 5600$  MHz;  $\sigma = 5.944$  S/m;  $\epsilon_r = 48.023$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY Configuration:

- ε Probe: EX3DV4 - SN3736; ConvF(3.48, 3.48, 3.48); Calibrated: 2016-4-26;
- ε Sensor-Surface: 1.4mm (Mechanical Surface Detection),  $z = 1.0, 25.0$
- ε Electronics: DAE4 Sn852; Calibrated: 2016-4-20
- ε Phantom: SAM2; Type: SAM; Serial: TP:1474
- ε DASY52 52.8.8(1258); SEMCAD X 14.6.10(7331)

**Configuration/Body/Area Scan (11x18x1):** Measurement grid:  $dx=10$ mm,  $dy=10$ mm  
Maximum value of SAR (measured) = 0.151 W/kg

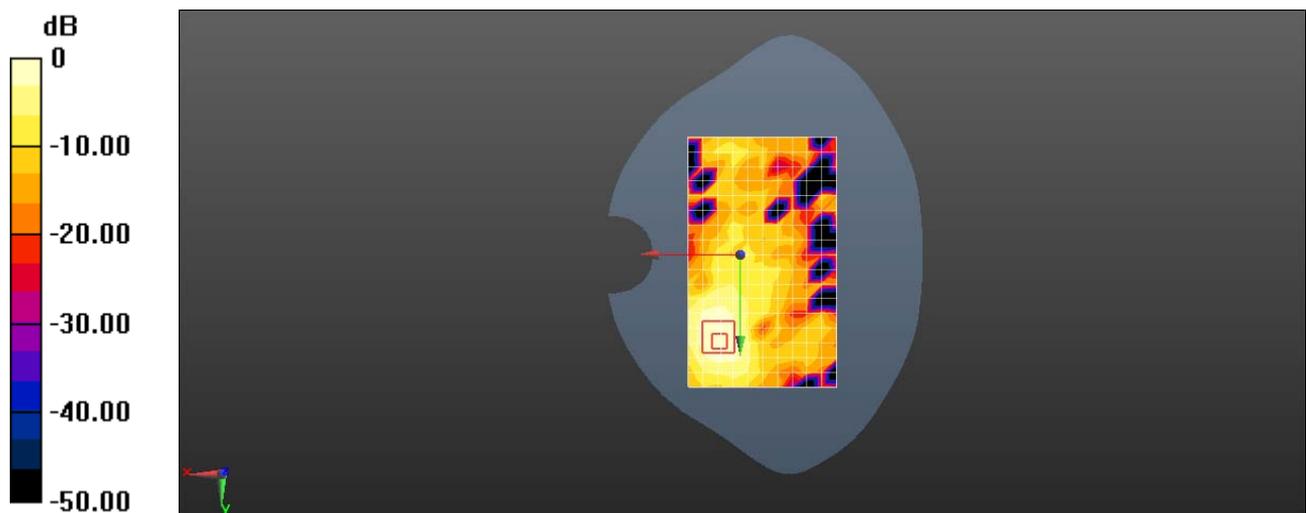
**Configuration/Body/Zoom Scan (8x8x7)/Cube 0:** Measurement grid:  $dx=4$ mm,  $dy=4$ mm,  $dz=1.4$ mm

Reference Value = 0 V/m; Power Drift = 0.00 dB

Peak SAR (extrapolated) = 0.217 W/kg

**SAR(1 g) = 0.063 W/kg; SAR(10 g) = 0.023 W/kg**

Maximum value of SAR (measured) = 0.148 W/kg



0 dB = 0.151 W/kg = -8.21 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

## VTR-L29 WIFI 5G 802.11a 161CH Right Side 10mm with Battery2

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

Communication System: UID 0, WiFi(802.11a/b/g/n/ac) (0); Frequency: 5805 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 5805$  MHz;  $\sigma = 6.074$  S/m;  $\epsilon_r = 48.32$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY Configuration:

- ε Probe: EX3DV4 - SN3736; ConvF(3.6, 3.6, 3.6); Calibrated: 2016-4-26;
- ε Sensor-Surface: 1.4mm (Mechanical Surface Detection),  $z = 1.0, 25.0$
- ε Electronics: DAE4 Sn852; Calibrated: 2016-4-20
- ε Phantom: SAM2; Type: SAM; Serial: TP:1474
- ε DASY52 52.8.8(1258); SEMCAD X 14.6.10(7331)

**Configuration/Body/Area Scan (6x18x1):** Measurement grid:  $dx=10$ mm,  $dy=10$ mm  
Maximum value of SAR (measured) = 0.303 W/kg

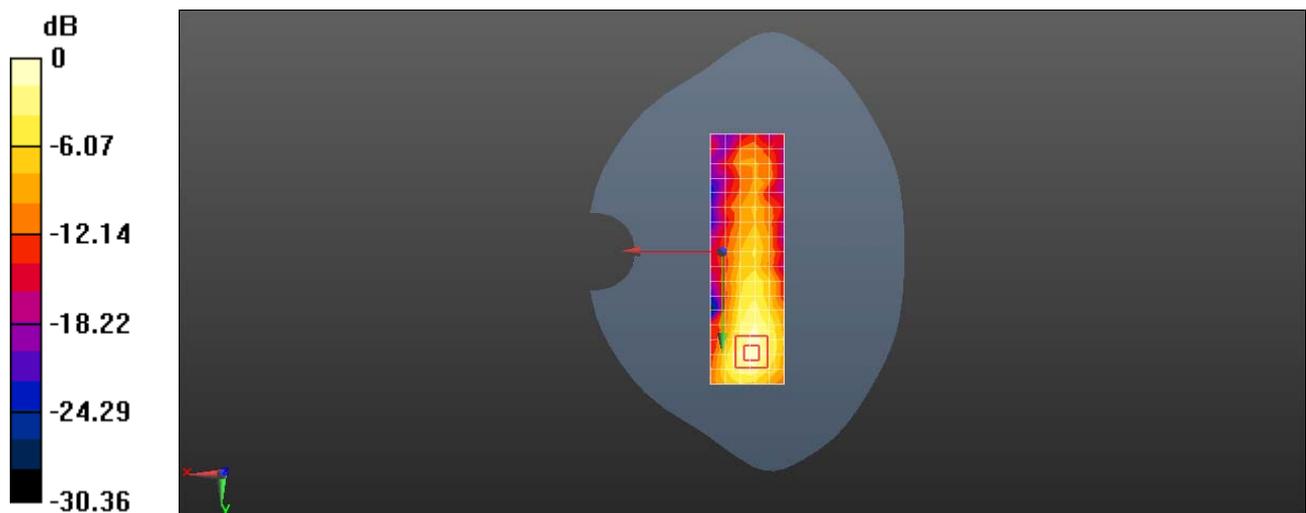
**Configuration/Body/Zoom Scan (8x8x7)/Cube 0:** Measurement grid:  $dx=4$ mm,  $dy=4$ mm,  $dz=1.4$ mm

Reference Value = 2.135 V/m; Power Drift = -0.13 dB

Peak SAR (extrapolated) = 0.549 W/kg

**SAR(1 g) = 0.127 W/kg; SAR(10 g) = 0.044 W/kg**

Maximum value of SAR (measured) = 0.318 W/kg



0 dB = 0.303 W/kg = -5.19 dBW/kg