

**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 XVII Head Second Antenna</b>
<b>LTE Band XVII Body Second Antenna</b>
<b>LTE Band XXVI Head Second Antenna</b>
<b>LTE Band XXVI Body Second Antenna</b>
<b>LTE Band XXXVIII Head Second Antenna</b>
<b>LTE Band XXXVIII 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 XVII Head Main Antenna</b>
<b>LTE Band XVII 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

## MHA-L29 GSM850 190CH Right touch-Second Antenna

DUT: MHA-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;  $\sigma = 0.917$  S/m;  $\epsilon_r = 40.611$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Right Section

DASY Configuration:

- ⌵ Probe: EX3DV4 - SN3736; ConvF(9.17, 9.17, 9.17); Calibrated: 2016-4-26;
- ⌵ Sensor-Surface: 1.4mm (Mechanical Surface Detection),  $z = 1.0, 31.0$
- ⌵ Electronics: DAE4 Sn1236; Calibrated: 2015-11-23
- ⌵ Phantom: SAM4; Type: SAM; Serial: TP-1620
- ⌵ DASY52 52.8.8(1222);

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

Maximum value of SAR (measured) = 2.14 W/kg

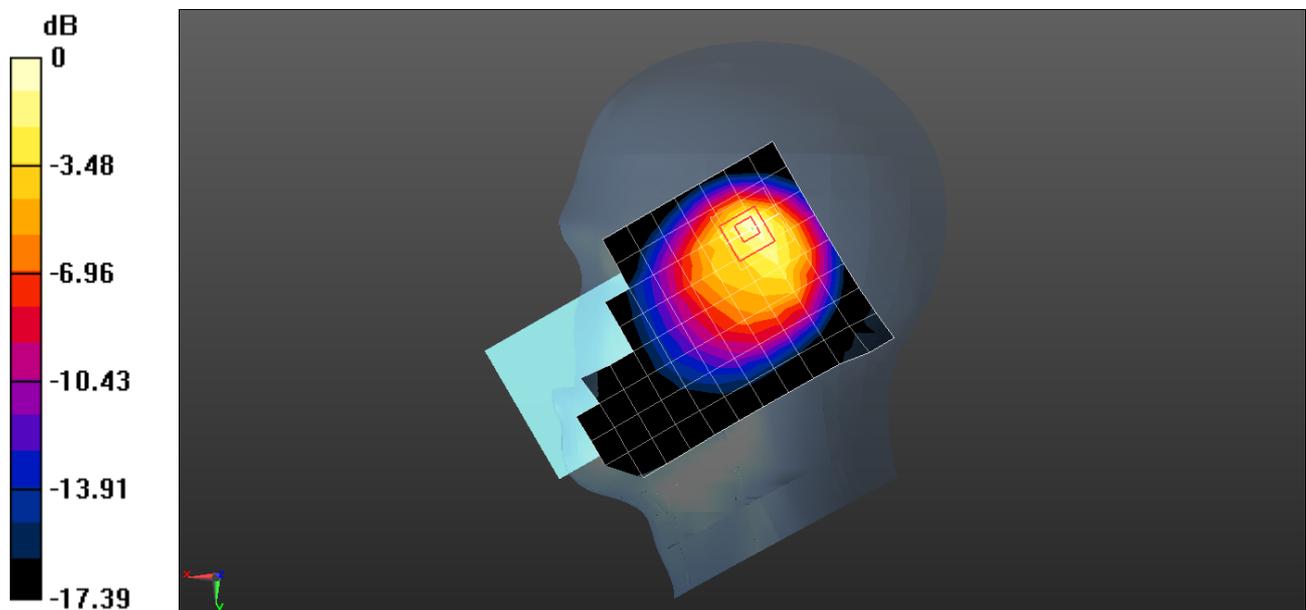
**Configuration/Head/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 26.44 V/m; Power Drift = -0.19 dB

Peak SAR (extrapolated) = 2.95 W/kg

**SAR(1 g) = 1.22 W/kg; SAR(10 g) = 0.632 W/kg**

Maximum value of SAR (measured) = 2.18 W/kg



0 dB = 2.18 W/kg = 3.38 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

**MHA-L29 GSM850 190CH Back Side 15mm-Second Antenna****DUT: MHA-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;  $\sigma = 0.972$  S/m;  $\epsilon_r = 54.519$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY Configuration:

- ζ Probe: EX3DV4 - SN3736; ConvF(9.08, 9.08, 9.08); Calibrated: 2016-4-26;
- ζ Sensor-Surface: 1.4mm (Mechanical Surface Detection),  $z = 1.0, 31.0$
- ζ Electronics: DAE4 Sn1236; Calibrated: 2015-11-23
- ζ Phantom: SAM3; Type: SAM; Serial: TP-1597
- ζ DASY52 52.8.8(1222);

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

Maximum value of SAR (measured) = 0.231 W/kg

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

Reference Value = 8.665 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 0.273 W/kg

**SAR(1 g) = 0.164 W/kg; SAR(10 g) = 0.097 W/kg**

Maximum value of SAR (measured) = 0.234 W/kg

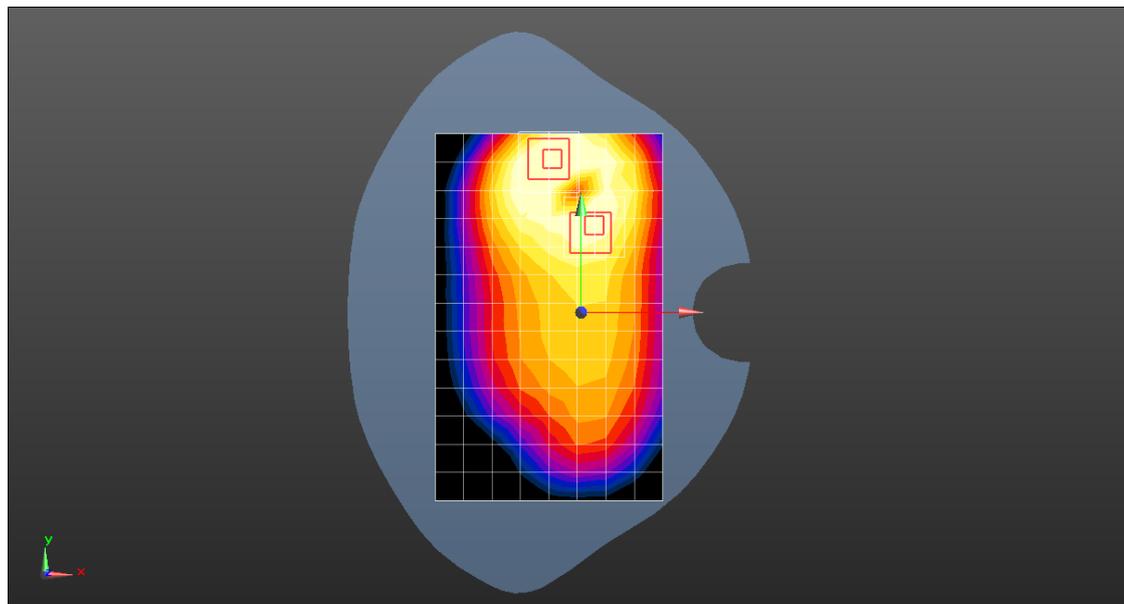
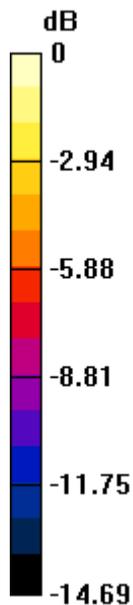
**Configuration/Body/Zoom Scan (5x5x7)/Cube 1:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 8.665 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 0.170 W/kg

**SAR(1 g) = 0.120 W/kg; SAR(10 g) = 0.082 W/kg**

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



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

Test Laboratory: HUAWEI SAR/HAC Lab

## MHA-L29 GSM850 GPRS 3TS 190CH Back Side 10mm-Second Antenna

DUT: MHA-L29; Type: Smart Phone; Serial: SAR2

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

Medium parameters used:  $f = 837$  MHz;  $\sigma = 0.972$  S/m;  $\epsilon_r = 54.519$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY Configuration:

- ⌄ Probe: EX3DV4 - SN3736; ConvF(9.08, 9.08, 9.08); Calibrated: 2016-4-26;
- ⌄ Sensor-Surface: 1.4mm (Mechanical Surface Detection),  $z = 1.0, 31.0$
- ⌄ Electronics: DAE4 Sn1236; Calibrated: 2015-11-23
- ⌄ Phantom: SAM3; Type: SAM; Serial: TP-1597
- ⌄ DASY52 52.8.8(1222);

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

Maximum value of SAR (measured) = 0.733 W/kg

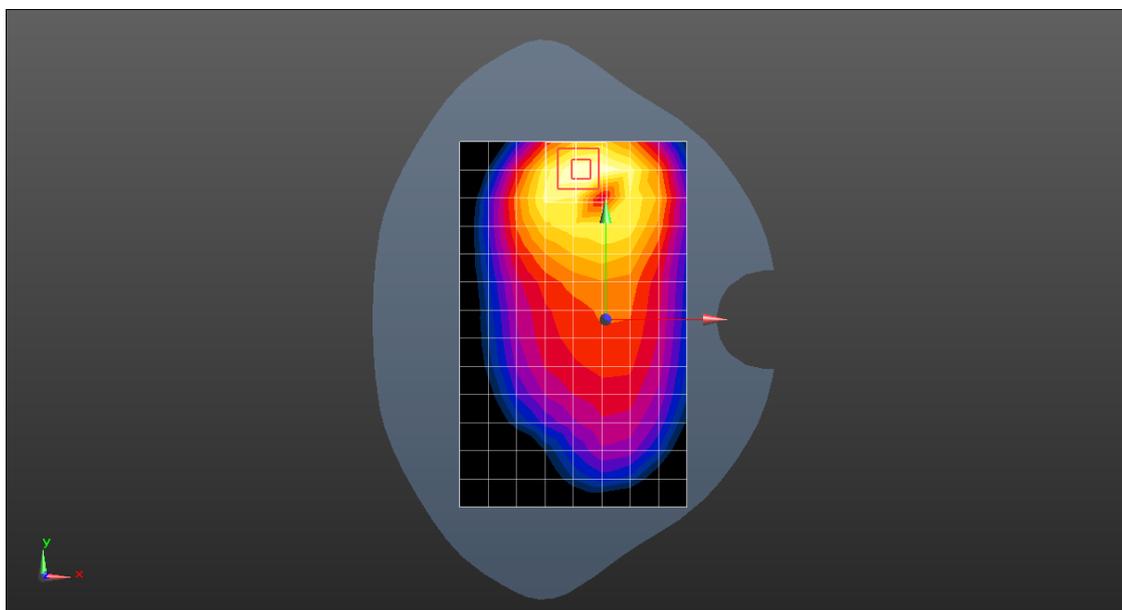
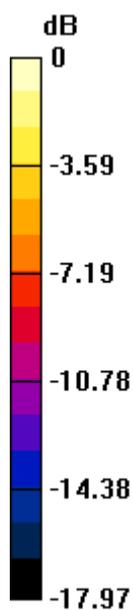
**Configuration/Body/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 11.99 V/m; Power Drift = -0.00 dB

Peak SAR (extrapolated) = 0.925 W/kg

**SAR(1 g) = 0.518 W/kg; SAR(10 g) = 0.291 W/kg**

Maximum value of SAR (measured) = 0.764 W/kg



0 dB = 0.764 W/kg = -1.17 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

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

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

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;  $\sigma = 1.374$  S/m;  $\epsilon_r = 39.016$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Right Section

DASY Configuration:

- ε Probe: EX3DV4 - SN3736; ConvF(7.45, 7.45, 7.45); Calibrated: 2016-4-26;
- ε Sensor-Surface: 306mm (Mechanical Surface Detection),  $z = 1.0, 31.0$
- ε Electronics: DAE4 Sn1236; Calibrated: 2015-11-23
- ε Phantom: SAM4; Type: SAM; Serial: TP-1620
- ε DASY52 52.8.8(1222);

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

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

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

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

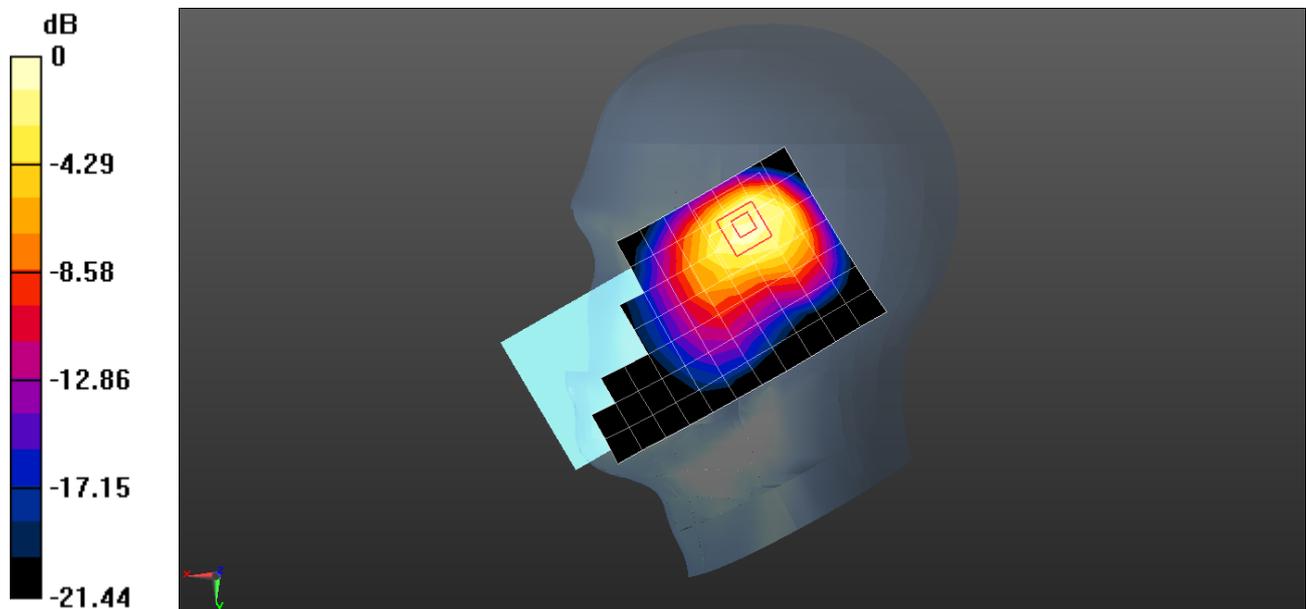
Reference Value = 18.98 V/m; Power Drift = -0.08 dB

Peak SAR (extrapolated) = 2.18 W/kg

**SAR(1 g) = 1.19 W/kg; SAR(10 g) = 0.675 W/kg**

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

Maximum value of SAR (measured) = 1.43 W/kg



0 dB = 1.43 W/kg = 1.54 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

**MHA-L29 GSM1900 661CH Front Side 15mm-Second Antenna****DUT: MHA-L29; Type: Smart Phone; Serial: SAR2**

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;  $\sigma = 1.511$  S/m;  $\epsilon_r = 52.543$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY Configuration:

- ε Probe: EX3DV4 - SN3736; ConvF(7.15, 7.15, 7.15); Calibrated: 2016-4-26;
- ε Sensor-Surface: 1.4mm (Mechanical Surface Detection),  $z = 1.0, 31.0$
- ε Electronics: DAE4 Sn1236; Calibrated: 2015-11-23
- ε Phantom: SAM3; Type: SAM; Serial: TP-1597
- ε DASY52 52.8.8(1222);

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

Info: Interpolated medium parameters used for SAR evaluation.

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

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

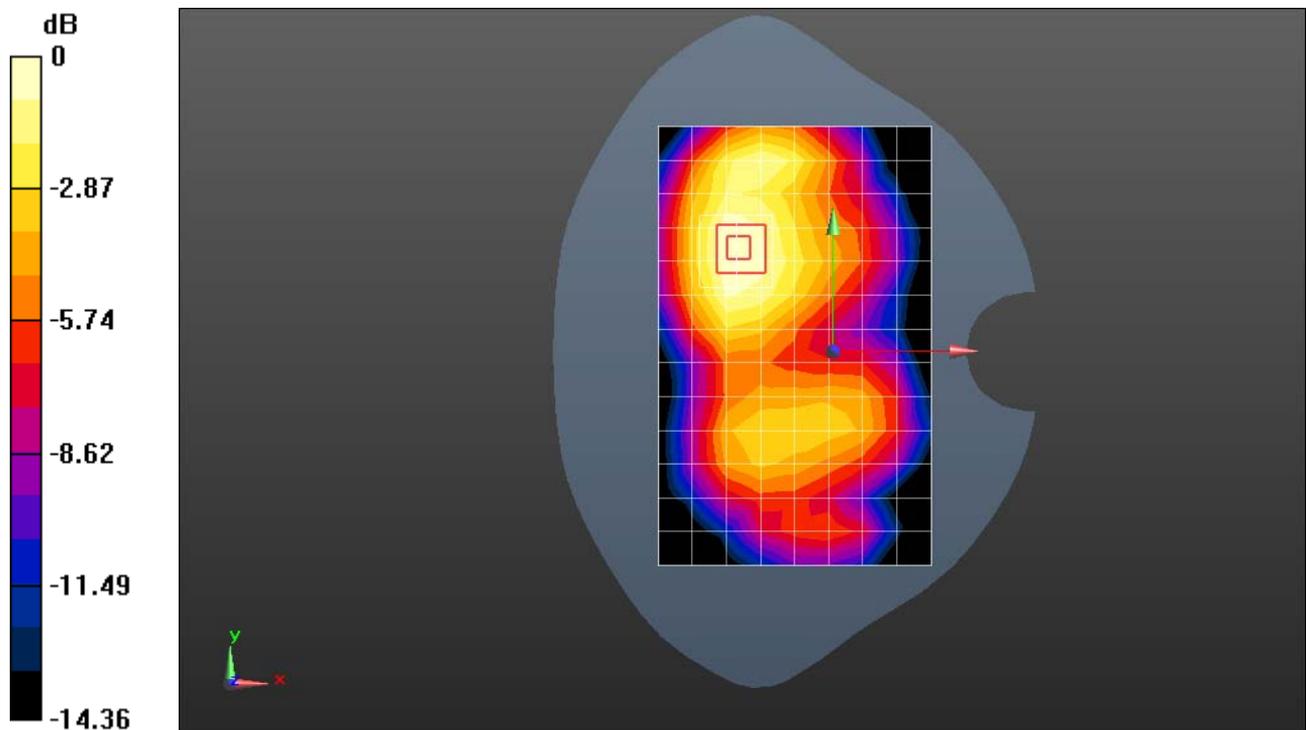
Reference Value = 5.896 V/m; Power Drift = 0.17 dB

Peak SAR (extrapolated) = 0.245 W/kg

**SAR(1 g) = 0.160 W/kg; SAR(10 g) = 0.104 W/kg**

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 0.216 W/kg



0 dB = 0.216 W/kg = -6.66 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

## MHA-L29 GSM1900 GPRS 2TS 661CH Top Side 10mm-Second Antenna

DUT: MHA-L29; Type: Smart Phone; Serial: SAR2

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

Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.54$  S/m;  $\epsilon_r = 52.4$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY Configuration:

- ⌄ Probe: EX3DV4 - SN3736; ConvF(7.15, 7.15, 7.15); Calibrated: 2016-4-26;
- ⌄ Sensor-Surface: 1.4mm (Mechanical Surface Detection),  $z = 1.0, 31.0$
- ⌄ Electronics: DAE4 Sn1236; Calibrated: 2015-11-23
- ⌄ Phantom: SAM3; Type: SAM; Serial: TP-1597
- ⌄ DASY52 52.8.8(1222);

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

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

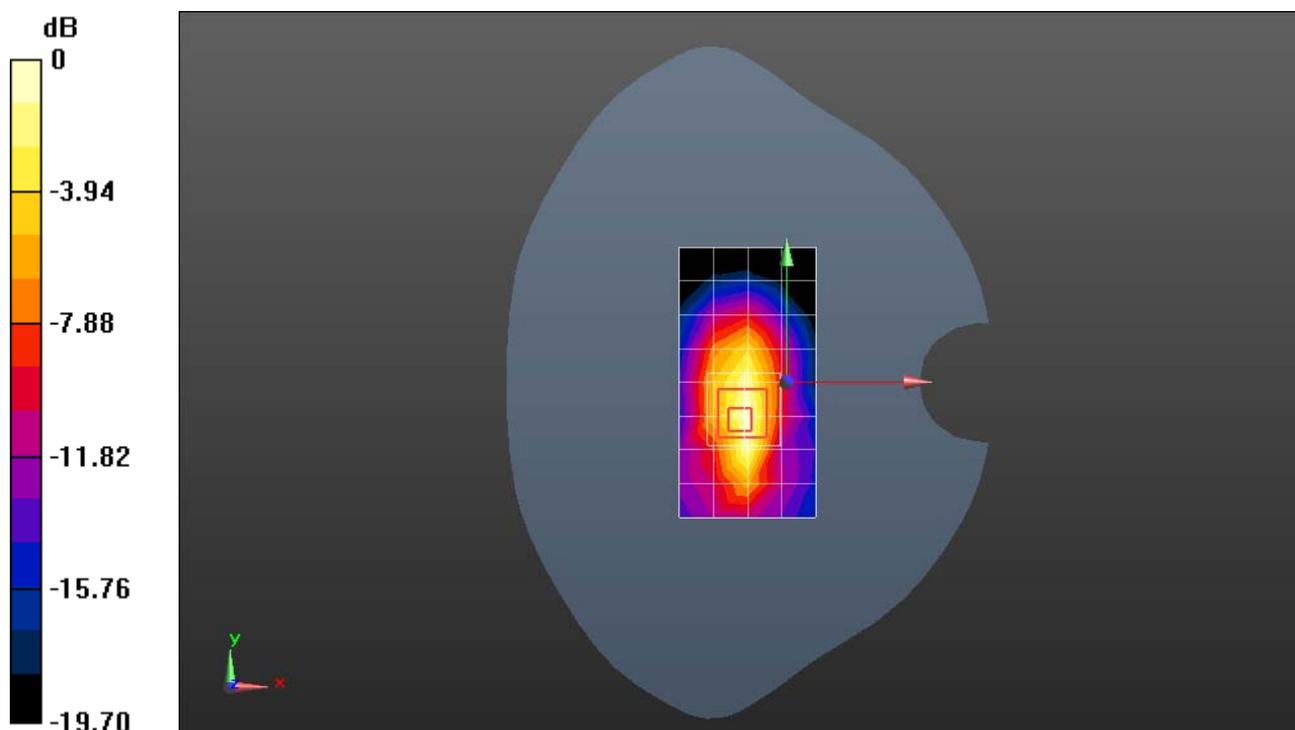
### Configuration/Body/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 18.69 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 0.836 W/kg

SAR(1 g) = 0.445 W/kg; SAR(10 g) = 0.229 W/kg

Maximum value of SAR (measured) = 0.681 W/kg



0 dB = 0.681 W/kg = -1.67 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

**MHA-L29 UMTS Band II 9538CH Right touch-Second Antenna****DUT: MHA-L29; Type: Smart Phone; Serial: SAR2**

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

Medium parameters used:  $f = 1908$  MHz;  $\sigma = 1.44$  S/m;  $\epsilon_r = 38.788$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Right Section

DASY Configuration:

- ε Probe: EX3DV4 - SN3736; ConvF(7.45, 7.45, 7.45); Calibrated: 2016-4-26;
- ε Sensor-Surface: 306mm (Mechanical Surface Detection),  $z = 1.0, 31.0$
- ε Electronics: DAE4 Sn1236; Calibrated: 2015-11-23
- ε Phantom: SAM4; Type: SAM; Serial: TP-1620
- ε DASY52 52.8.8(1222);

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

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

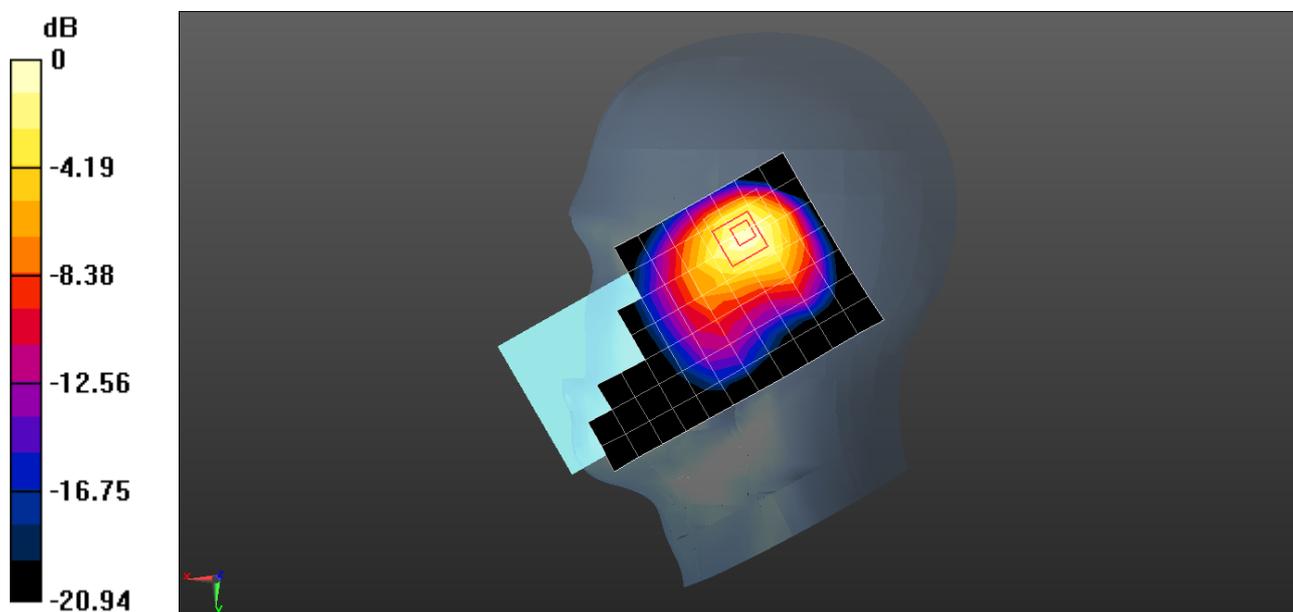
**Configuration/Head/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 18.65 V/m; Power Drift = 0.05 dB

Peak SAR (extrapolated) = 2.10 W/kg

**SAR(1 g) = 1.13 W/kg; SAR(10 g) = 0.627 W/kg**

Maximum value of SAR (measured) = 1.38 W/kg



0 dB = 1.38 W/kg = 1.40 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

**MHA-L29 UMTS Band II 9400CH Back Side 15mm-Second Antenna****DUT: MHA-L29; Type: Smart Phone; Serial: SAR2**

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

Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.54$  S/m;  $\epsilon_r = 52.4$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY Configuration:

- ζ Probe: EX3DV4 - SN3736; ConvF(7.15, 7.15, 7.15); Calibrated: 2016-4-26;
- ζ Sensor-Surface: 1.4mm (Mechanical Surface Detection),  $z = 1.0, 31.0$
- ζ Electronics: DAE4 Sn1236; Calibrated: 2015-11-23
- ζ Phantom: SAM3; Type: SAM; Serial: TP-1597
- ζ DASY52 52.8.8(1222);

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

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

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

Reference Value = 5.383 V/m; Power Drift = -0.00 dB

Peak SAR (extrapolated) = 0.255 W/kg

**SAR(1 g) = 0.143 W/kg; SAR(10 g) = 0.078 W/kg**

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

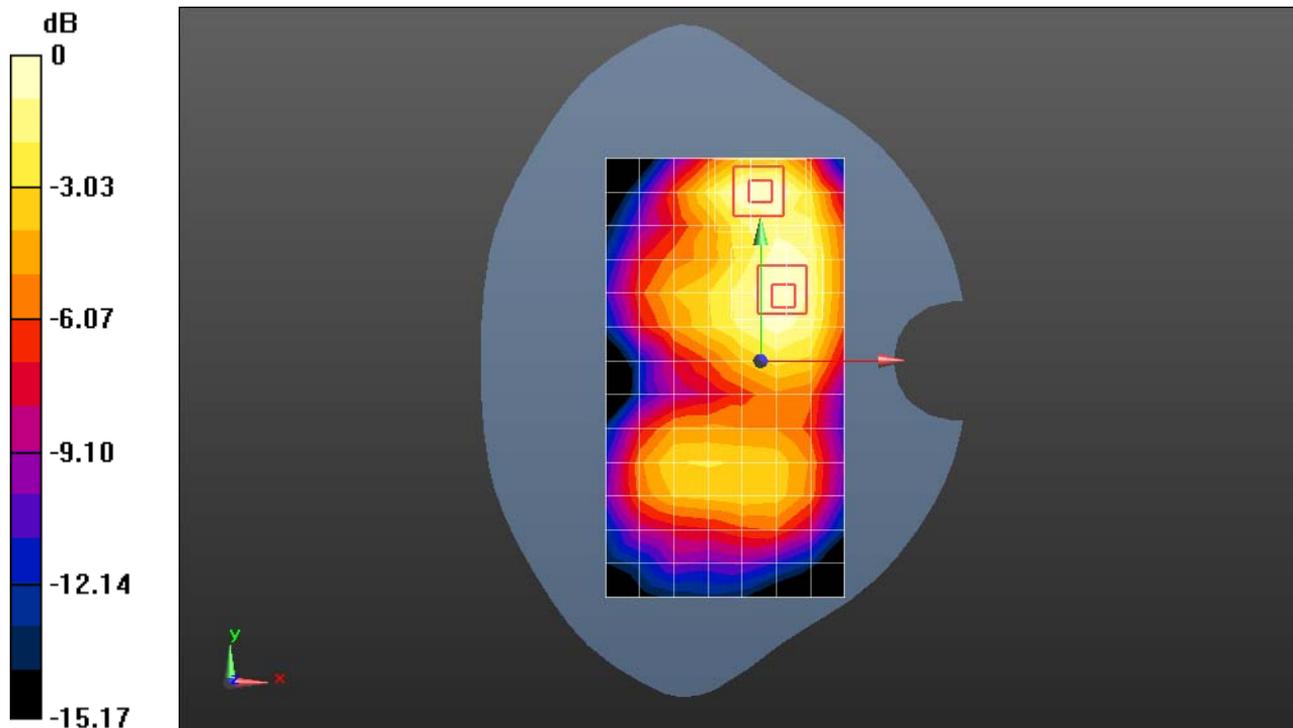
**Configuration/Body/Zoom Scan (6x5x7)/Cube 1:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 5.383 V/m; Power Drift = -0.00 dB

Peak SAR (extrapolated) = 0.213 W/kg

**SAR(1 g) = 0.134 W/kg; SAR(10 g) = 0.087 W/kg**

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



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

Test Laboratory: HUAWEI SAR/HAC Lab

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

DUT: MHA-L29; Type: Smart Phone; Serial: SAR2

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

Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.54$  S/m;  $\epsilon_r = 52.4$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY Configuration:

- ⌄ Probe: EX3DV4 - SN3736; ConvF(7.15, 7.15, 7.15); Calibrated: 2016-4-26;
- ⌄ Sensor-Surface: 1.4mm (Mechanical Surface Detection),  $z = 1.0, 31.0$
- ⌄ Electronics: DAE4 Sn1236; Calibrated: 2015-11-23
- ⌄ Phantom: SAM3; Type: SAM; Serial: TP-1597
- ⌄ DASY52 52.8.8(1222);

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

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

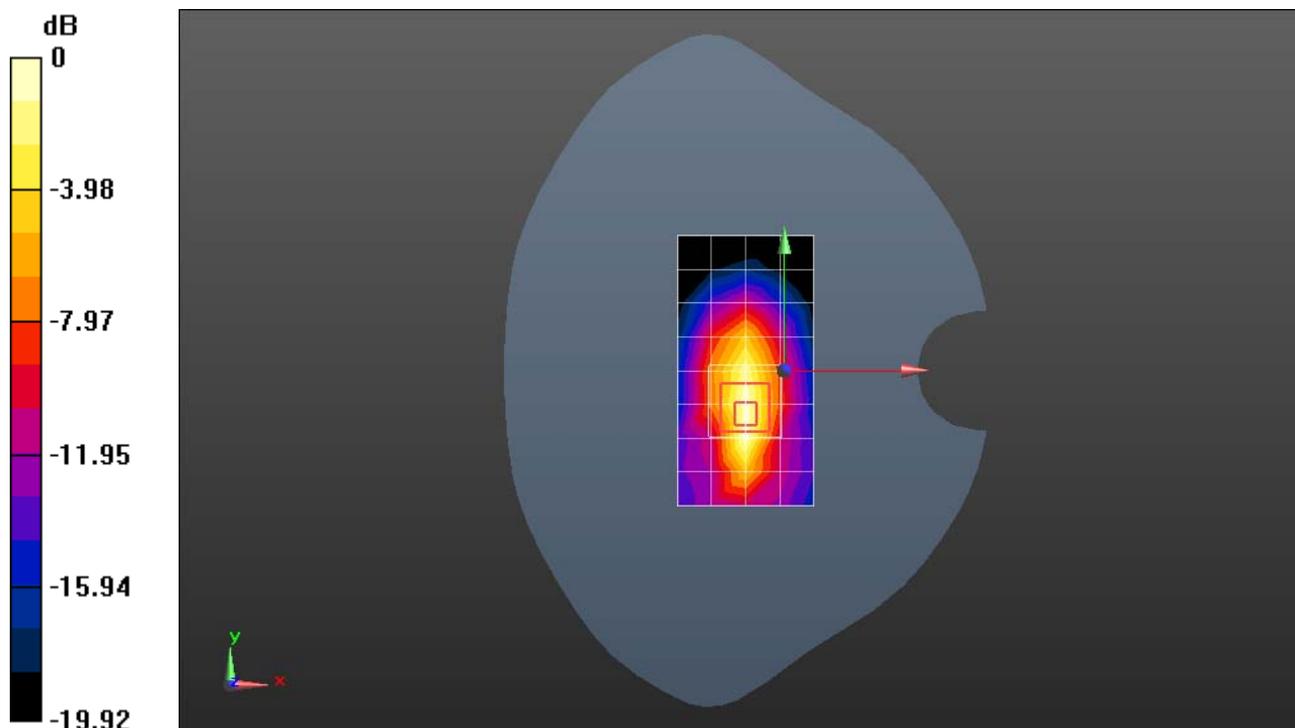
### Configuration/Body/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 15.09 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 0.844 W/kg

**SAR(1 g) = 0.440 W/kg; SAR(10 g) = 0.223 W/kg**

Maximum value of SAR (measured) = 0.700 W/kg



0 dB = 0.700 W/kg = -1.55 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

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

DUT: MHA-L29; Type: Smart Phone; Serial: SAR2

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

Medium parameters used:  $f = 1753$  MHz;  $\sigma = 1.359$  S/m;  $\epsilon_r = 40.508$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Right Section

DASY Configuration:

- ε Probe: EX3DV4 - SN3744; ConvF(8.09, 8.09, 8.09); Calibrated: 2016-7-26;
- ε Sensor-Surface: 1.4mm (Mechanical Surface Detection),  $z = 1.0, 31.0$
- ε Electronics: DAE4 Sn1236; Calibrated: 2015-11-23
- ε Phantom: SAM4; Type: SAM; Serial: TP-1620
- ε DASY52 52.8.8(1222);

**Configuration/Head/Area Scan (8x14x1):** Measurement grid:  $dx=15$ mm,  $dy=15$ mm  
 Maximum value of SAR (measured) = 1.95 W/kg

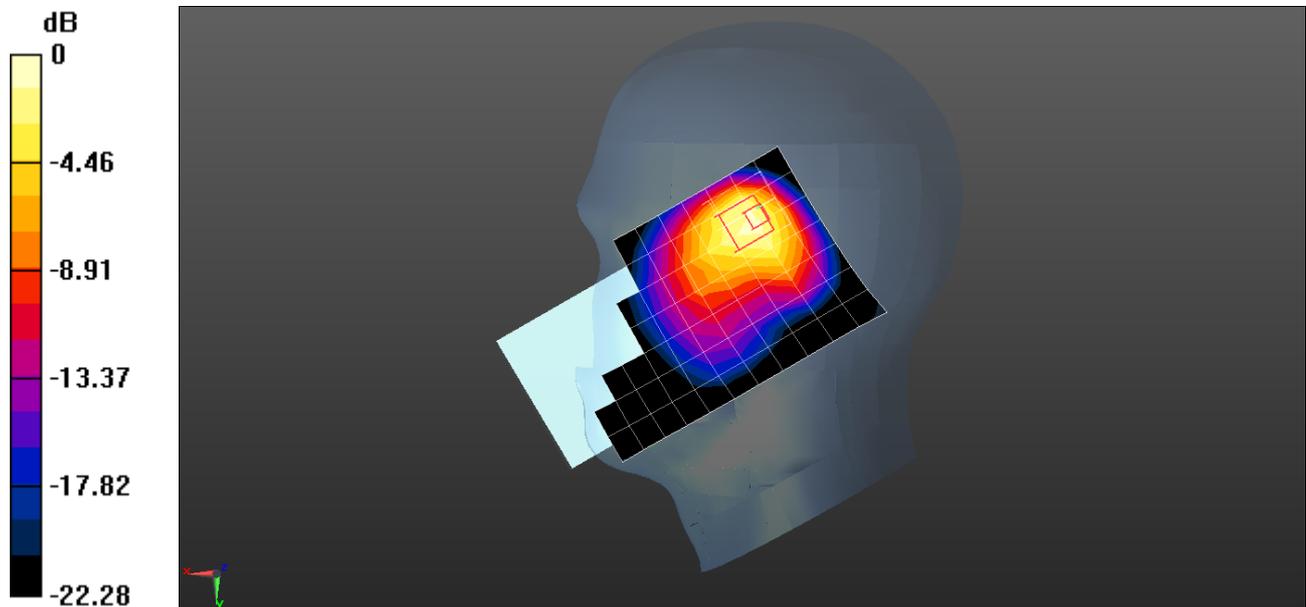
**Configuration/Head/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 23.66 V/m; Power Drift = -0.12 dB

Peak SAR (extrapolated) = 3.22 W/kg

SAR(1 g) = 1.27 W/kg; SAR(10 g) = 0.698 W/kg

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



0 dB = 2.29 W/kg = 3.59 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

**MHA-L29 UMTS Band IV 1413CH Front side 15mm-Second Antenna****DUT: MHA-L29; Type: Smart Phone; Serial: SAR2**

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

Medium parameters used:  $f = 1733$  MHz;  $\sigma = 1.416$  S/m;  $\epsilon_r = 51.786$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY Configuration:

- ζ Probe: EX3DV4 - SN3744; ConvF(7.61, 7.61, 7.61); Calibrated: 2016-7-26;
- ζ Sensor-Surface: 1.4mm (Mechanical Surface Detection),  $z = 1.0, 31.0$
- ζ Electronics: DAE4 Sn1236; Calibrated: 2015-11-23
- ζ Phantom: SAM3; Type: SAM; Serial: TP-1597
- ζ DASY52 52.8.8(1222);

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

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

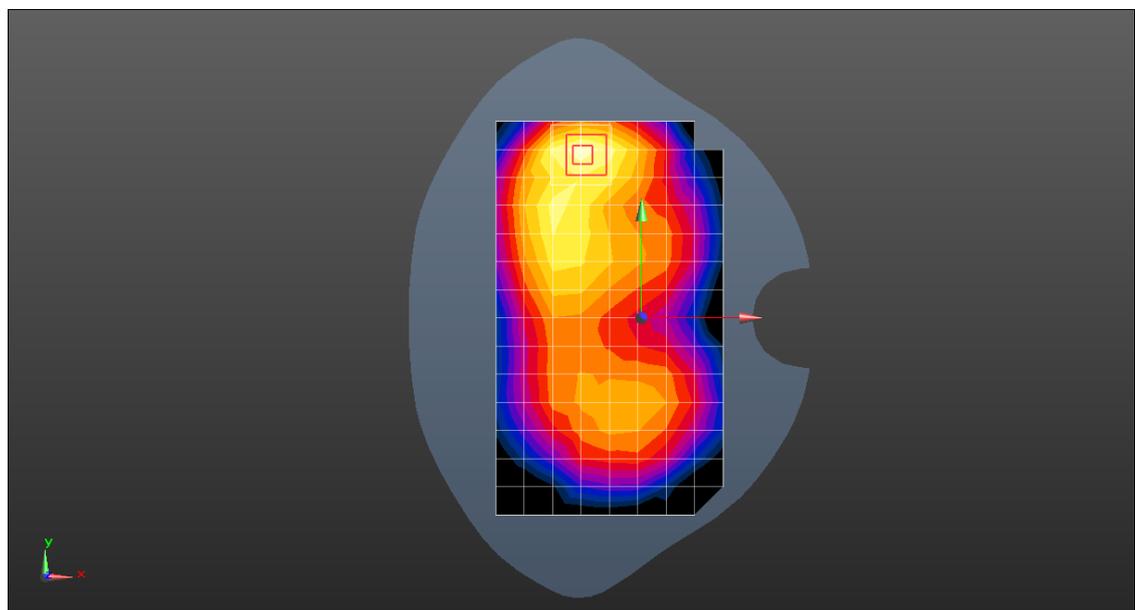
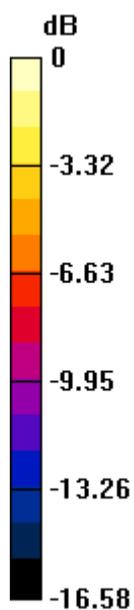
**Configuration/Body/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 4.679 V/m; Power Drift = 0.11 dB

Peak SAR (extrapolated) = 0.173 W/kg

**SAR(1 g) = 0.101 W/kg; SAR(10 g) = 0.058 W/kg**

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



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

Test Laboratory: HUAWEI SAR/HAC Lab

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

DUT: MHA-L29; Type: Smart Phone; Serial: SAR2

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

Medium parameters used:  $f = 1733$  MHz;  $\sigma = 1.416$  S/m;  $\epsilon_r = 51.786$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY Configuration:

- ⌘ Probe: EX3DV4 - SN3744; ConvF(7.61, 7.61, 7.61); Calibrated: 2016-7-26;
- ⌘ Sensor-Surface: 1.4mm (Mechanical Surface Detection),  $z = 1.0, 31.0$
- ⌘ Electronics: DAE4 Sn1236; Calibrated: 2015-11-23
- ⌘ Phantom: SAM3; Type: SAM; Serial: TP-1597
- ⌘ DASY52 52.8.8(1222);

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

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

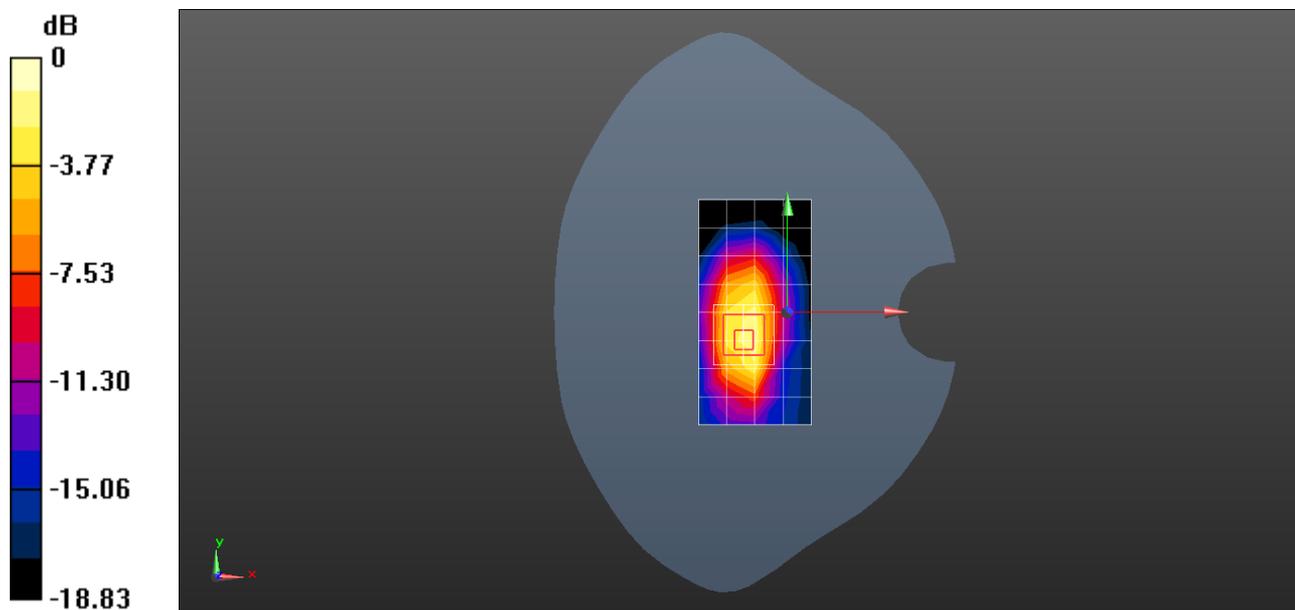
**Configuration/Body/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 14.77 V/m; Power Drift = 0.19 dB

Peak SAR (extrapolated) = 0.547 W/kg

**SAR(1 g) = 0.299 W/kg; SAR(10 g) = 0.158 W/kg**

Maximum value of SAR (measured) = 0.451 W/kg



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

Test Laboratory: HUAWEI SAR/HAC Lab

## MHA-L29 UMTS Band V 4132CH Right touch-Second Antenna-Repeated

**DUT: MHA-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;  $\sigma = 0.908$  S/m;  $\epsilon_r = 40.689$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Right Section

DASY Configuration:

- ⌘ Probe: EX3DV4 - SN3736; ConvF(9.17, 9.17, 9.17); Calibrated: 2016-4-26;
- ⌘ Sensor-Surface: 1.4mm (Mechanical Surface Detection),  $z = 1.0, 31.0$
- ⌘ Electronics: DAE4 Sn1236; Calibrated: 2015-11-23
- ⌘ Phantom: SAM4; Type: SAM; Serial: TP-1620
- ⌘ DASY52 52.8.8(1222);

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

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

Maximum value of SAR (measured) = 1.61 W/kg

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

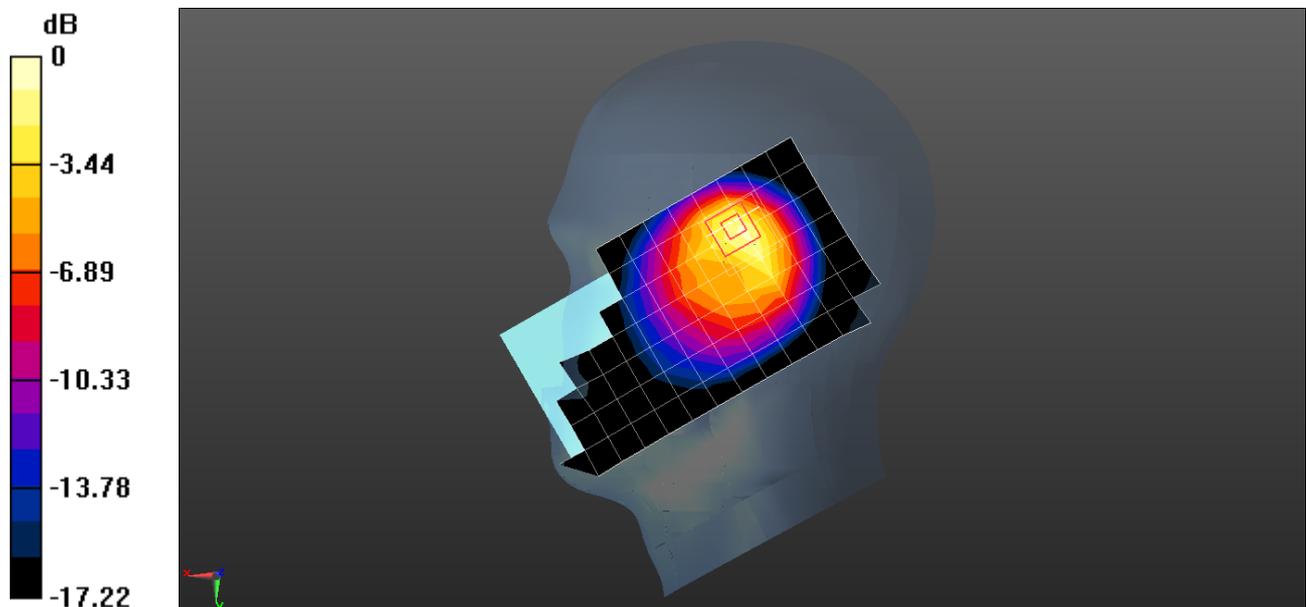
Reference Value = 30.28 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 2.52 W/kg

**SAR(1 g) = 0.977 W/kg; SAR(10 g) = 0.496 W/kg**

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

Maximum value of SAR (measured) = 1.83 W/kg



0 dB = 1.83 W/kg = 2.62 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

**MHA-L29 UMTS Band V 4182CH Back Side 15mm-Second Antenna****DUT: MHA-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;  $\sigma = 0.995$  S/m;  $\epsilon_r = 54.326$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY Configuration:

- ⌘ Probe: EX3DV4 - SN3736; ConvF(9.08, 9.08, 9.08); Calibrated: 2016-4-26;
- ⌘ Sensor-Surface: 1.4mm (Mechanical Surface Detection),  $z = 1.0, 31.0$
- ⌘ Electronics: DAE4 Sn1236; Calibrated: 2015-11-23
- ⌘ Phantom: SAM3; Type: SAM; Serial: TP-1597
- ⌘ DASY52 52.8.8(1222);

**Configuration/Body/Area Scan (9x14x1):** Measurement grid: dx=15mm, dy=15mmInfo: [Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.171 W/kg

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

Reference Value = 11.63 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 0.208 W/kg

**SAR(1 g) = 0.125 W/kg; SAR(10 g) = 0.074 W/kg**Info: [Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.177 W/kg

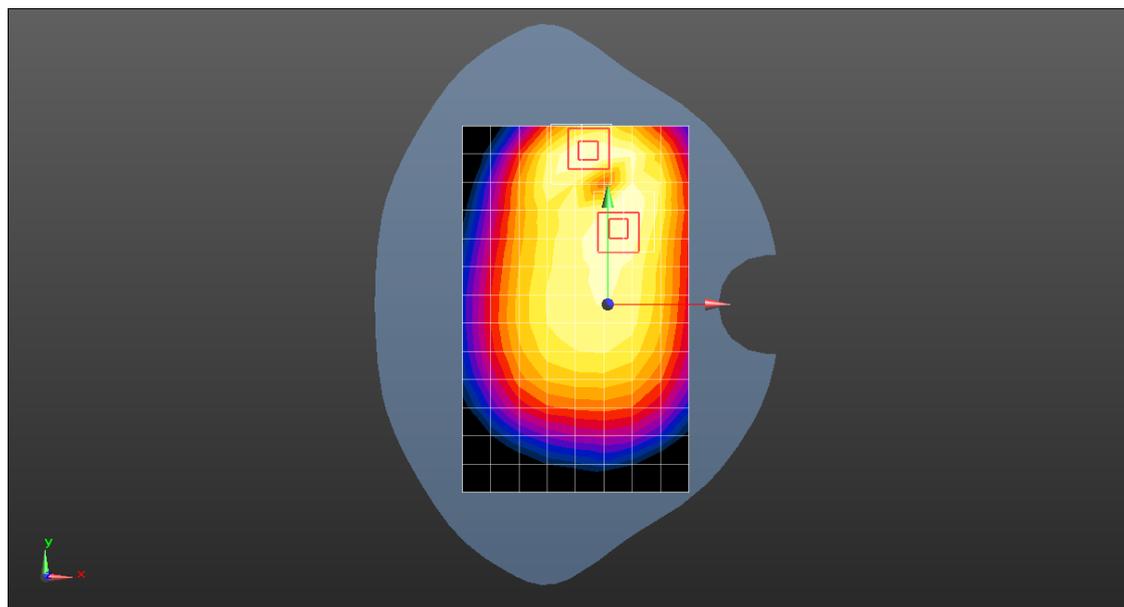
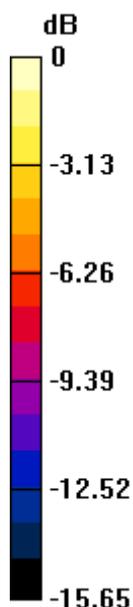
**Configuration/Body/Zoom Scan (5x5x7)/Cube 1:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 11.63 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 0.181 W/kg

**SAR(1 g) = 0.131 W/kg; SAR(10 g) = 0.094 W/kg**Info: [Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.164 W/kg



0 dB = 0.164 W/kg = -7.85 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

## MHA-L29 UMTS Band V 4182CH Back Side 10mm with Battery 2-Second Antenna

**DUT: MHA-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;  $\sigma = 0.971$  S/m;  $\epsilon_r = 54.526$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY Configuration:

- ⌘ Probe: EX3DV4 - SN3736; ConvF(9.08, 9.08, 9.08); Calibrated: 2016-4-26;
- ⌘ Sensor-Surface: 1.4mm (Mechanical Surface Detection),  $z = 1.0, 31.0$
- ⌘ Electronics: DAE4 Sn1236; Calibrated: 2015-11-23
- ⌘ Phantom: SAM3; Type: SAM; Serial: TP-1597
- ⌘ DASY52 52.8.8(1222);

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

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

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

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

Reference Value = 12.34 V/m; Power Drift = -0.14 dB

Peak SAR (extrapolated) = 0.551 W/kg

**SAR(1 g) = 0.305 W/kg; SAR(10 g) = 0.169 W/kg**

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

Maximum value of SAR (measured) = 0.458 W/kg

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

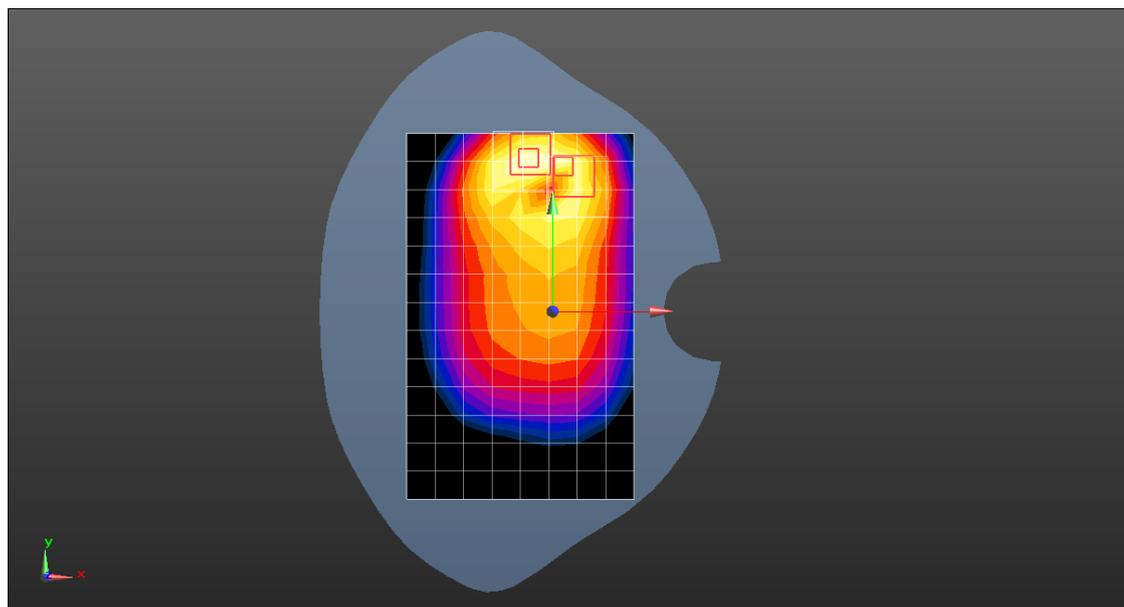
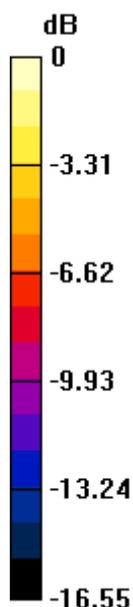
Reference Value = 12.34 V/m; Power Drift = -0.14 dB

Peak SAR (extrapolated) = 0.534 W/kg

**SAR(1 g) = 0.254 W/kg; SAR(10 g) = 0.142 W/kg**

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

Maximum value of SAR (measured) = 0.437 W/kg



0 dB = 0.437 W/kg = -3.59 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

## MHA-L29 LTE Band II 20M QPSK 1RB 50 offset 18900CH Right touch-Second Antenna-Repeated

DUT: MHA-L29; Type: Smart Phone; Serial: SAR2

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

Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.408$  S/m;  $\epsilon_r = 38.863$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Right Section

DASY Configuration:

- ε Probe: EX3DV4 - SN3736; ConvF(7.45, 7.45, 7.45); Calibrated: 2016-4-26;
- ε Sensor-Surface: 1.4mm (Mechanical Surface Detection),  $z = 1.0, 31.0$
- ε Electronics: DAE4 Sn1236; Calibrated: 2015-11-23
- ε Phantom: SAM4; Type: SAM; Serial: TP-1620
- ε DASY52 52.8.8(1222);

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

Maximum value of SAR (measured) = 1.35 W/kg

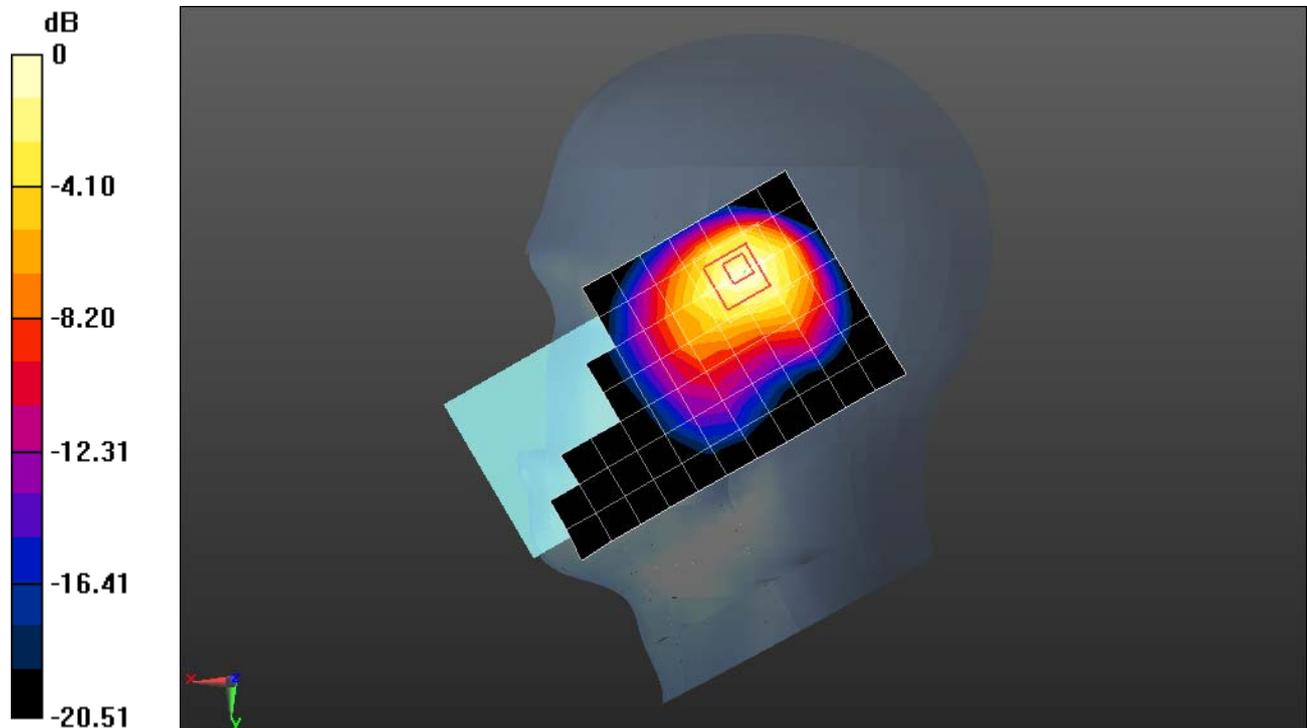
### Configuration/Head/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 20.07 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 2.27 W/kg

SAR(1 g) = 1.21 W/kg; SAR(10 g) = 0.667 W/kg

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



0 dB = 1.41 W/kg = 1.49 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

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

DUT: MHA-L29; Type: Smart Phone; Serial: SAR2

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

Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.524$  S/m;  $\epsilon_r = 51.429$ ;  $\rho = 1000$  kg/m<sup>3</sup>

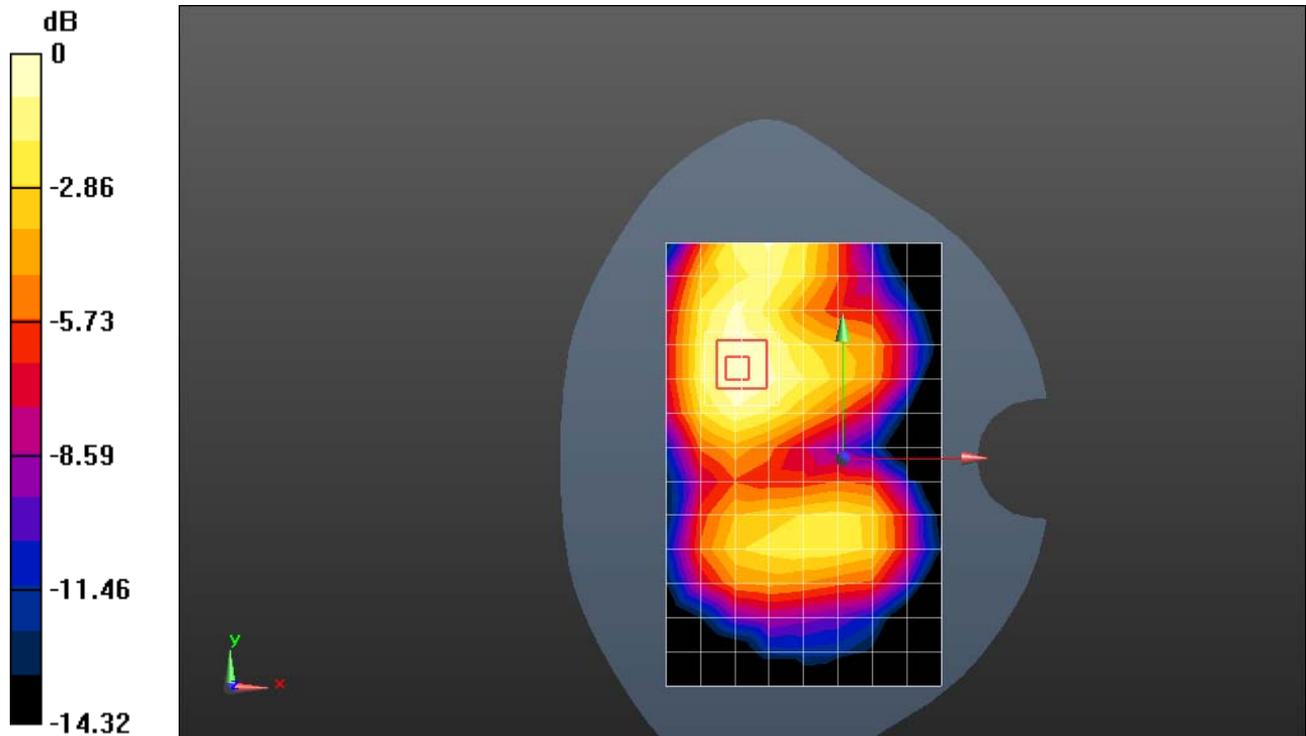
Phantom section: Flat Section

DASY Configuration:

- ε Probe: EX3DV4 - SN3736; ConvF(7.15, 7.15, 7.15); Calibrated: 2016-4-26;
- ε Sensor-Surface: 1.4mm (Mechanical Surface Detection),  $z = 1.0, 31.0$
- ε Electronics: DAE4 Sn1236; Calibrated: 2015-11-23
- ε Phantom: SAM3; Type: SAM; Serial: TP-1597
- ε DASY52 52.8.8(1222);

**Configuration/Body/Area Scan (9x14x1):** Measurement grid:  $dx=15$ mm,  $dy=15$ mm  
 Maximum value of SAR (measured) = 0.147 W/kg

**Configuration/Body/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm  
 Reference Value = 4.090 V/m; Power Drift = -0.07 dB  
 Peak SAR (extrapolated) = 0.169 W/kg  
 SAR(1 g) = 0.111 W/kg; SAR(10 g) = 0.072 W/kg



0 dB = 0.147 W/kg = -8.33 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

## MHA-L29 LTE Band II 20M QPSK 1RB 50 offset 18900CH Top Side 10mm -Second Antenna

DUT: MHA-L29; Type: Smart Phone; Serial: SAR2

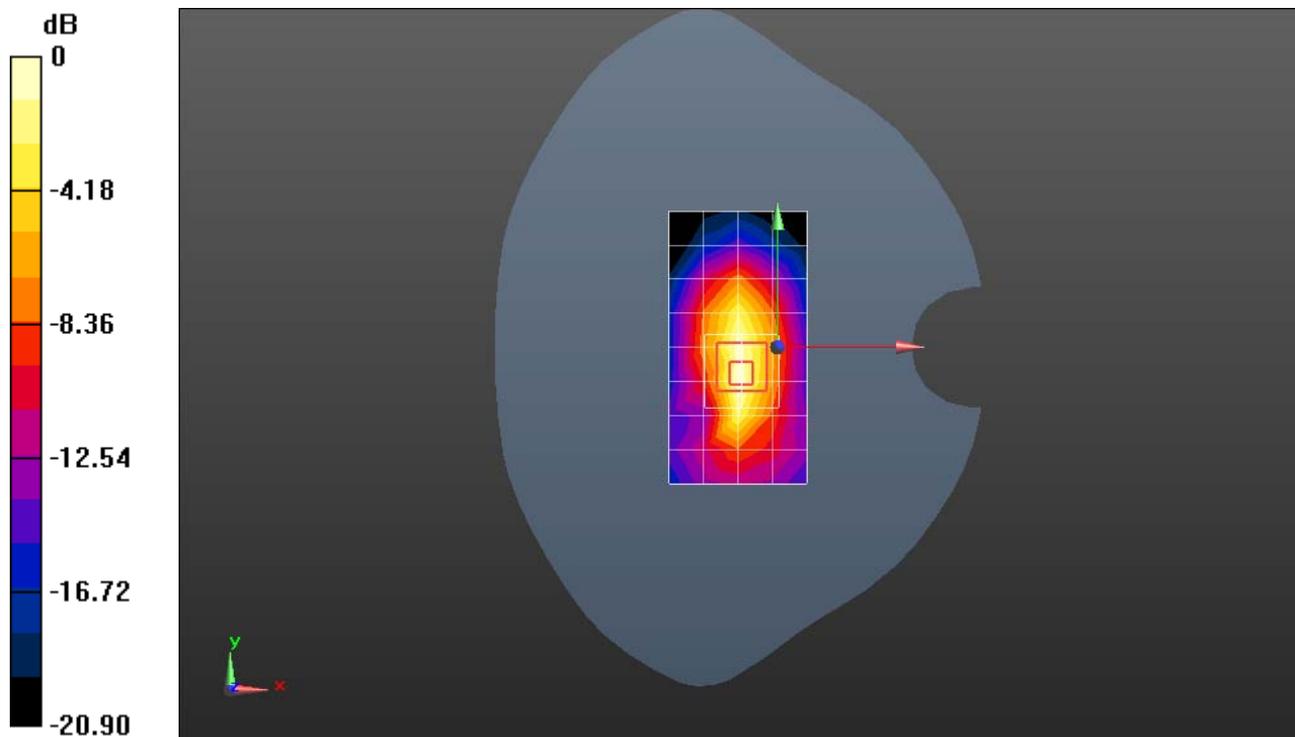
Communication System: UID 0, LTE-FDD (SC-FDMA, 20MHz, QPSK/16-QAM) (0); Frequency: 1880 MHz; Duty Cycle: 1:1  
 Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.524$  S/m;  $\epsilon_r = 51.429$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
 Phantom section: Flat Section

DASY Configuration:

- ε Probe: EX3DV4 - SN3736; ConvF(7.15, 7.15, 7.15); Calibrated: 2016-4-26;
- ε Sensor-Surface: 1.4mm (Mechanical Surface Detection),  $z = 1.0, 31.0$
- ε Electronics: DAE4 Sn1236; Calibrated: 2015-11-23
- ε Phantom: SAM3; Type: SAM; Serial: TP-1597
- ε DASY52 52.8.8(1222);

**Configuration/Body/Area Scan (5x9x1):** Measurement grid:  $dx=15$ mm,  $dy=15$ mm  
 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 = 17.19 V/m; Power Drift = -0.16 dB  
 Peak SAR (extrapolated) = 0.563 W/kg  
**SAR(1 g) = 0.308 W/kg; SAR(10 g) = 0.159 W/kg**  
 Maximum value of SAR (measured) = 0.473 W/kg



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

Test Laboratory: HUAWEI SAR/HAC Lab

## MHA-L29 LTE Band IV 20M QPSK 1RB 50 offset 20300CH Right touch-Second Antenna

DUT: MHA-L29; Type: Smart Phone; Serial: SAR2

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

Medium parameters used:  $f = 1745$  MHz;  $\sigma = 1.352$  S/m;  $\epsilon_r = 40.556$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Right Section

DASY Configuration:

- ε Probe: EX3DV4 - SN3744; ConvF(8.09, 8.09, 8.09); Calibrated: 2016-7-26;
- ε Sensor-Surface: 1.4mm (Mechanical Surface Detection),  $z = 1.0, 31.0$
- ε Electronics: DAE4 Sn1236; Calibrated: 2015-11-23
- ε Phantom: SAM4; Type: SAM; Serial: TP-1620
- ε DASY52 52.8.8(1222);

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

Maximum value of SAR (measured) = 1.55 W/kg

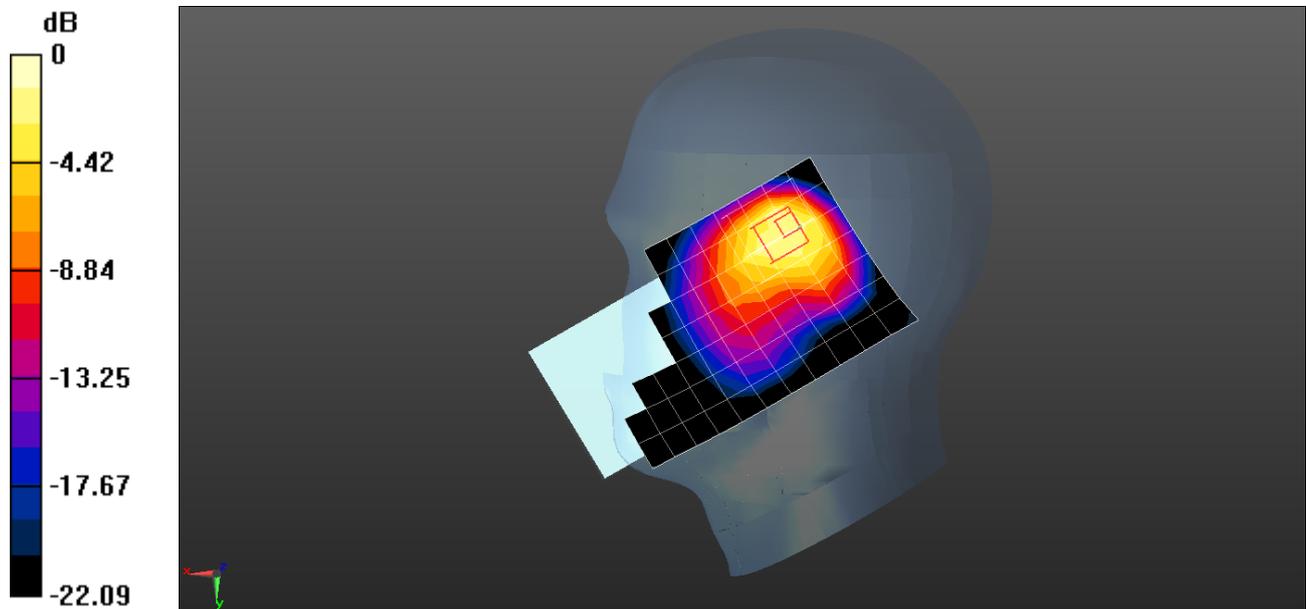
### Configuration/Head/Zoom Scan (6x6x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 20.43 V/m; Power Drift = 0.14 dB

Peak SAR (extrapolated) = 3.15 W/kg

SAR(1 g) = 1.32 W/kg; SAR(10 g) = 0.741 W/kg

Maximum value of SAR (measured) = 2.28 W/kg



0 dB = 2.28 W/kg = 3.58 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

## MHA-L29 LTE Band IV 20M QPSK 1RB 50 offset 20300CH Front side 15mm-Second Antenna

DUT: MHA-L29; Type: Smart Phone; Serial: SAR2

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

Medium parameters used:  $f = 1745$  MHz;  $\sigma = 1.428$  S/m;  $\epsilon_r = 51.728$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY Configuration:

ε Probe: EX3DV4 - SN3744; ConvF(7.61, 7.61, 7.61); Calibrated: 2016-7-26;

ε Sensor-Surface: 1.4mm (Mechanical Surface Detection),  $z = 1.0, 31.0$ 

ε Electronics: DAE4 Sn1236; Calibrated: 2015-11-23

ε Phantom: SAM3; Type: SAM; Serial: TP-1597

ε DASY52 52.8.8(1222);

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

Maximum value of SAR (measured) = 0.138 W/kg

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

Reference Value = 5.223 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 0.193 W/kg

SAR(1 g) = 0.114 W/kg; SAR(10 g) = 0.065 W/kg

Maximum value of SAR (measured) = 0.164 W/kg

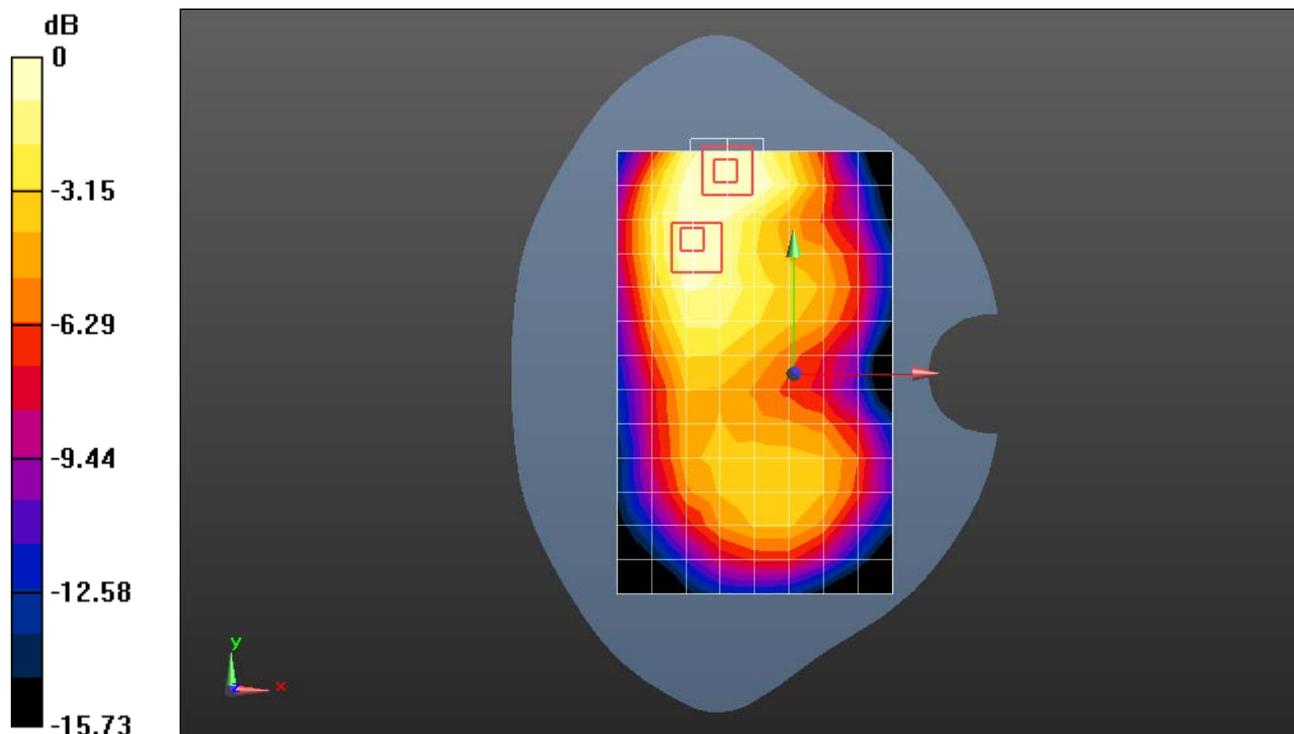
### Configuration/Body/Zoom Scan (5x5x7)/Cube 1: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 5.223 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 0.130 W/kg

SAR(1 g) = 0.085 W/kg; SAR(10 g) = 0.055 W/kg

Maximum value of SAR (measured) = 0.113 W/kg



0 dB = 0.113 W/kg = -9.49 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

## MHA-L29 LTE Band IV 20M QPSK 1RB 50 offset 20300CH Top side 10mm-Second Antenna

DUT: MHA-L29; Type: Smart Phone; Serial: SAR2

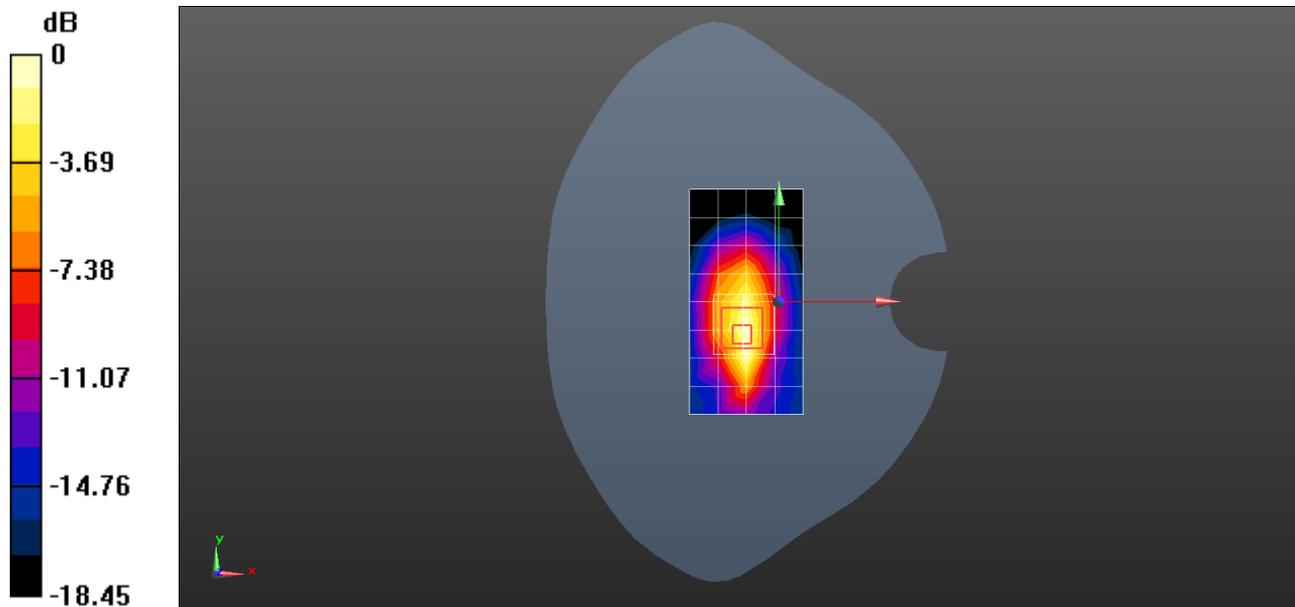
Communication System: UID 0, LTE-FDD (SC-FDMA, 20MHz, QPSK/16-QAM) (0); Frequency: 1745 MHz; Duty Cycle: 1:1  
 Medium parameters used:  $f = 1745$  MHz;  $\sigma = 1.428$  S/m;  $\epsilon_r = 51.728$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
 Phantom section: Flat Section

DASY Configuration:

- ε Probe: EX3DV4 - SN3744; ConvF(7.61, 7.61, 7.61); Calibrated: 2016-7-26;
- ε Sensor-Surface: 1.4mm (Mechanical Surface Detection),  $z = 1.0, 31.0$
- ε Electronics: DAE4 Sn1236; Calibrated: 2015-11-23
- ε Phantom: SAM3; Type: SAM; Serial: TP-1597
- ε DASY52 52.8.8(1222);

**Configuration/Body/Area Scan (5x9x1):** Measurement grid:  $dx=15$ mm,  $dy=15$ mm  
 Maximum value of SAR (measured) = 0.473 W/kg

**Configuration/Body/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm  
 Reference Value = 16.36 V/m; Power Drift = 0.10 dB  
 Peak SAR (extrapolated) = 0.608 W/kg  
**SAR(1 g) = 0.331 W/kg; SAR(10 g) = 0.175 W/kg**  
 Maximum value of SAR (measured) = 0.508 W/kg



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

Test Laboratory: HUAWEI SAR/HAC Lab

## MHA-L29LTE Band V 10M QPSK 1RB 25 offset 20600CH Right touch-Second Antenna

DUT: MHA-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;  $\sigma = 0.923$  S/m;  $\epsilon_r = 42.049$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Right Section

DASY Configuration:

- ε Probe: EX3DV4 - SN3736; ConvF(9.17, 9.17, 9.17); Calibrated: 2016-4-26;
- ε Sensor-Surface: 1.4mm (Mechanical Surface Detection),  $z = 1.0, 31.0$
- ε Electronics: DAE4 Sn1236; Calibrated: 2015-11-23
- ε Phantom: SAM4; Type: SAM; Serial: TP-1620
- ε DASY52 52.8.8(1222);

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

Maximum value of SAR (measured) = 1.94 W/kg

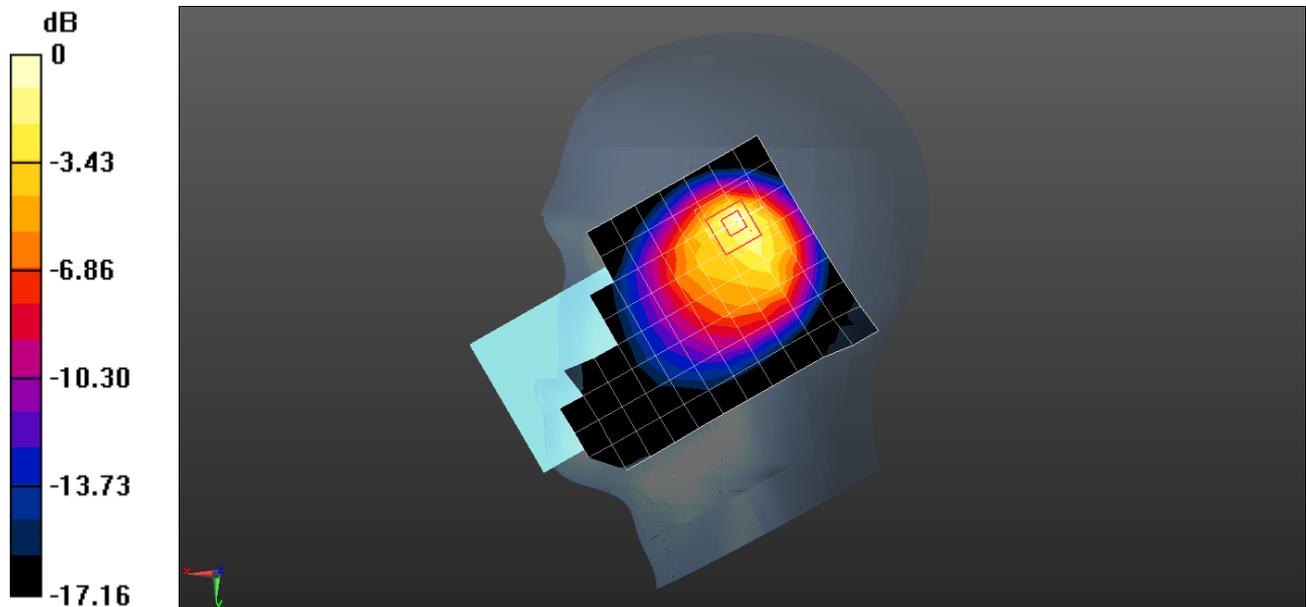
### Configuration/Head/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 23.83 V/m; Power Drift = -0.16 dB

Peak SAR (extrapolated) = 2.87 W/kg

SAR(1 g) = 1.19 W/kg; SAR(10 g) = 0.624 W/kg

Maximum value of SAR (measured) = 2.16 W/kg



0 dB = 2.16 W/kg = 3.34 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

## MHA-L29 LTE Band V 10M QPSK 1RB 25 offset 20600CH Back Side 15mm-Second Antenna

DUT: MHA-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;  $\sigma = 1.003$  S/m;  $\epsilon_r = 54.23$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY Configuration:

ε Probe: EZ3DV6 - SN3958; ConvF( ; .2; ; .2; ; .2; ); Calibrated: 2018-6-28;

ε Sensor-Surface: 306mm (Mechanical Surface Detection), z = 3.0, 33.0

ε Electronics: DAE4 Sn1236; Calibrated: 2015-11-23

ε Phantom: SAM3; Type: SAM; Serial: TP-1597

ε DASY52 52.8.8(1222);

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

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

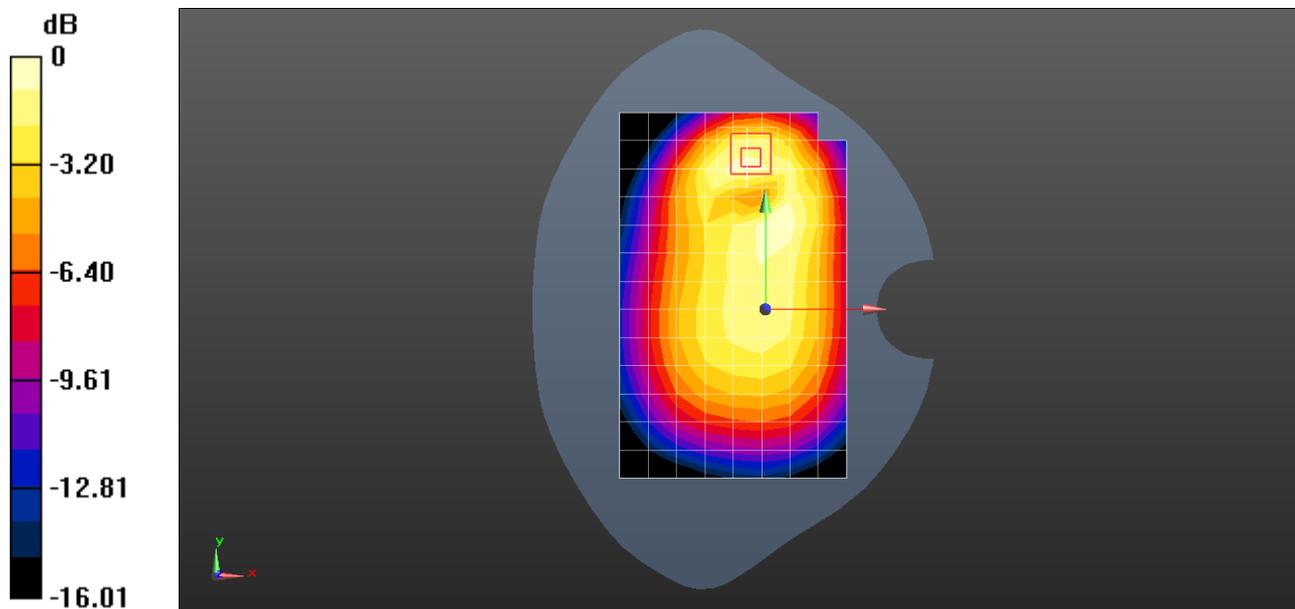
### Configuration/Body/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 13.86 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 0.364 W/kg

SAR(1 g) = 0.224 W/kg; SAR(10 g) = 0.132 W/kg

Maximum value of SAR (measured) = 0.270 W/kg



0 dB = 0.270 W/kg = -5.69 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

## MHA-L29 LTE Band V 10M QPSK 1RB 25 offset 20600CH Top Side 10mm-Second Antenna

DUT: MHA-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;  $\sigma = 1.003$  S/m;  $\epsilon_r = 54.23$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY Configuration:

- ε Probe: EX3DV4 - SN3736; ConvF(9.08, 9.08, 9.08); Calibrated: 2016-4-26;
- ε Sensor-Surface: 1.4mm (Mechanical Surface Detection),  $z = 1.0, 31.0$
- ε Electronics: DAE4 Sn1236; Calibrated: 2015-11-23
- ε Phantom: SAM3; Type: SAM; Serial: TP-1597
- ε DASY52 52.8.8(1222);

**Configuration/Body/Area Scan (5x9x1):** Measurement grid:  $dx=15$ mm,  $dy=15$ mm  
 Maximum value of SAR (measured) = 0.658 W/kg

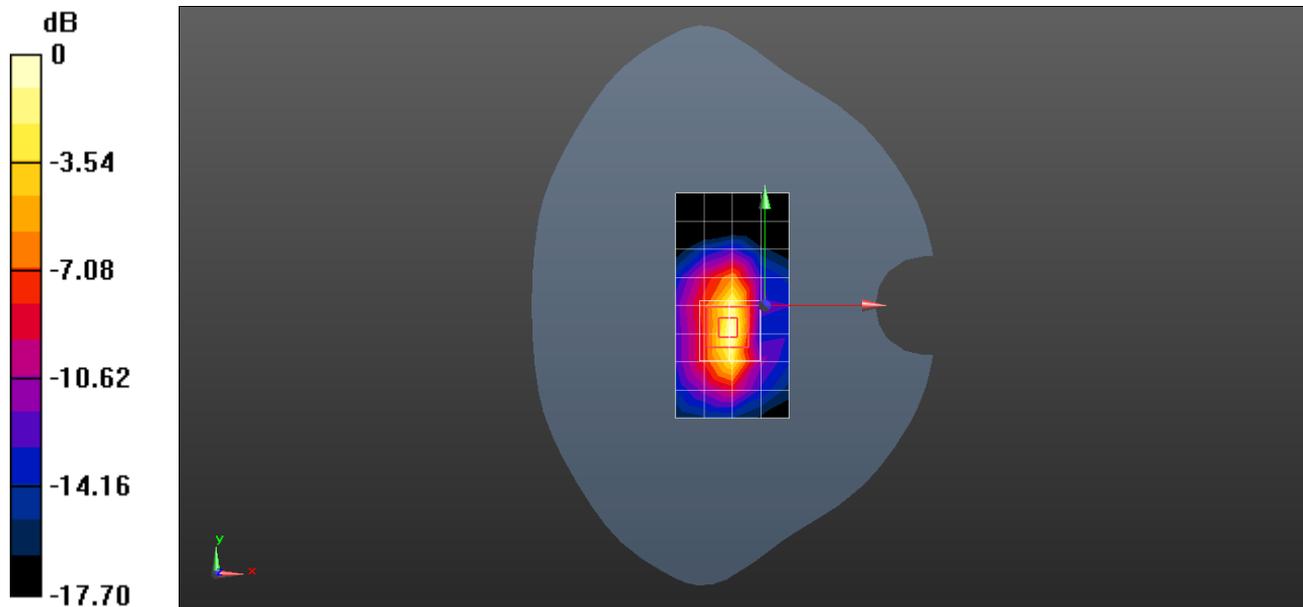
**Configuration/Body/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 23.54 V/m; Power Drift = 0.15 dB

Peak SAR (extrapolated) = 0.877 W/kg

SAR(1 g) = 0.443 W/kg; SAR(10 g) = 0.215 W/kg

Maximum value of SAR (measured) = 0.699 W/kg



0 dB = 0.699 W/kg = -1.56 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

## MHA-L29 LTE Band VII QPSK 20M 1RB 99 offset 21350CH Right tilt-Second Antenna-Repeated

DUT: MHA-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;  $\sigma = 1.972$  S/m;  $\epsilon_r = 37.796$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Right Section

DASY Configuration:

- ε Probe: ES3DV3 - SN3168; ConvF(4.48, 4.48, 4.48); Calibrated: 2015-9-28;
- 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(1222);

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

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

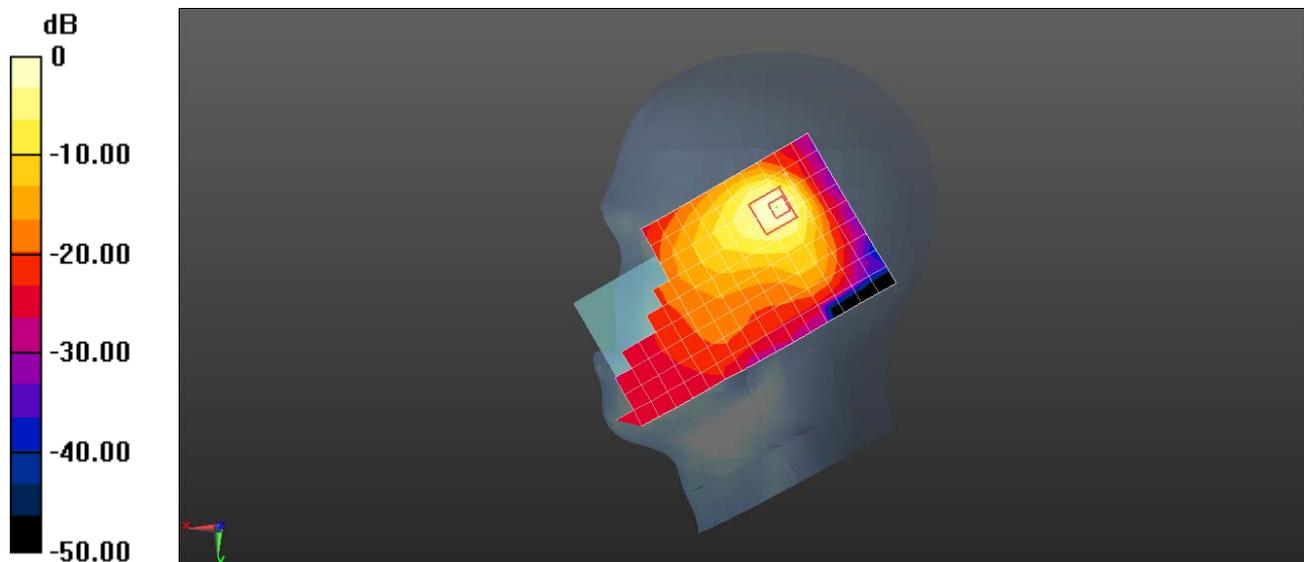
### Configuration/Head/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 8.904 V/m; Power Drift = 0.16 dB

Peak SAR (extrapolated) = 3.21 W/kg

SAR(1 g) = 1.2 W/kg; SAR(10 g) = 0.495 W/kg

Maximum value of SAR (measured) = 1.71 W/kg



0 dB = 1.46 W/kg = 1.64 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

## MHA-L29 LTE Band VII QPSK 20M 50RB 0 offset 21350CH Right tilt-Second Antenna

DUT: MHA-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;  $\sigma = 1.972$  S/m;  $\epsilon_r = 37.796$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Right Section

DASY Configuration:

ε Probe: ES3DV3 - SN3168; ConvF(4.48, 4.48, 4.48); Calibrated: 2015-9-28;

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(1222);

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

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

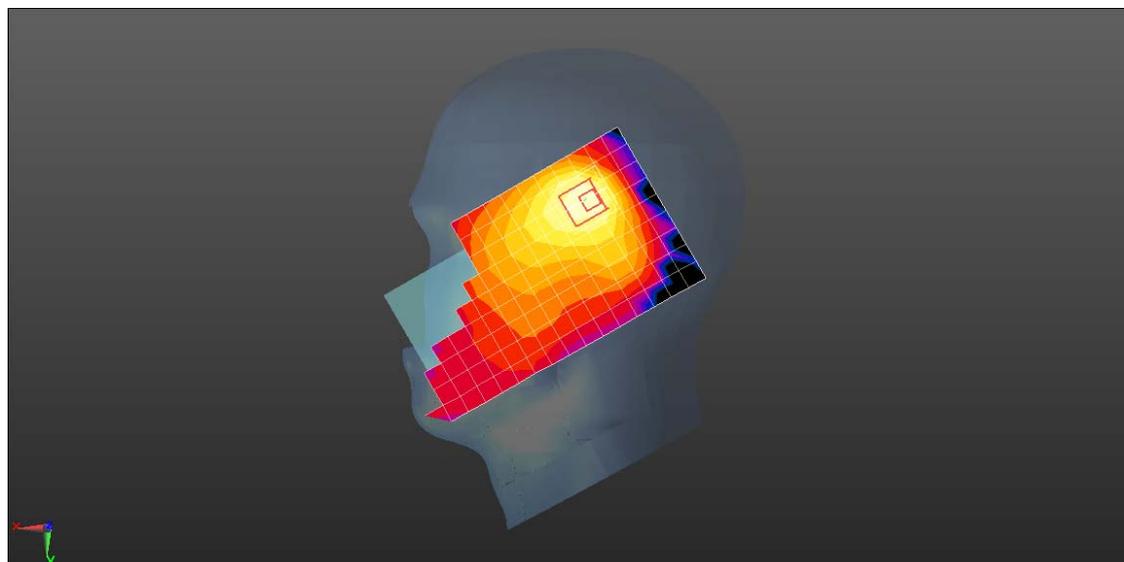
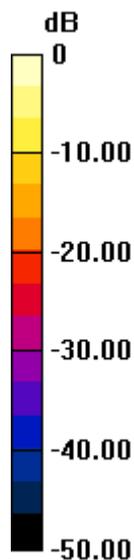
### Configuration/Head/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 8.149 V/m; Power Drift = 0.17 dB

Peak SAR (extrapolated) = 2.92 W/kg

SAR(1 g) = 1.09 W/kg; SAR(10 g) = 0.445 W/kg

Maximum value of SAR (measured) = 1.47 W/kg



0 dB = 1.32 W/kg = 1.21 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

## MHA-L29 LTE Band VII QPSK 20M 1RB 50 offset 21100CH Front Side 15mm-Second Antenna

DUT: MHA-L29; Type: Smart Phone; Serial: SAR1

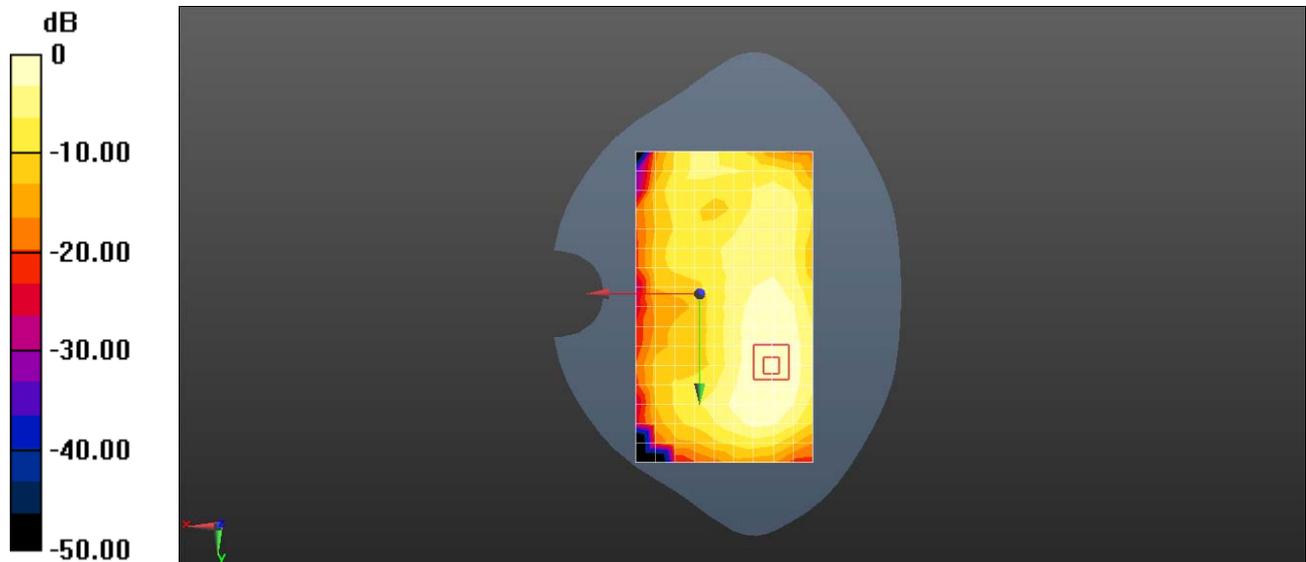
Communication System: UID 0, LTE-FDD (SC-FDMA, 20MHz, QPSK/16-QAM) (0); Frequency: 2535 MHz; Duty Cycle: 1:1  
 Medium parameters used:  $f = 2535$  MHz;  $\sigma = 2.042$  S/m;  $\epsilon_r = 51.708$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
 Phantom section: Flat Section

DASY Configuration:

- ε Probe: ES3DV3 - SN3168; ConvF(4.23, 4.23, 4.23); Calibrated: 2015-9-28;
- 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(1222);

**Configuration/Body/Area Scan (10x17x1):** Measurement grid:  $dx=12$ mm,  $dy=12$ mm  
 Maximum value of SAR (measured) = 0.0666 W/kg

**Configuration/Body/Zoom Scan (7x8x7)/Cube 0:** Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm  
 Reference Value = 2.013 V/m; Power Drift = 0.15 dB  
 Peak SAR (extrapolated) = 0.106 W/kg  
**SAR(1 g) = 0.056 W/kg; SAR(10 g) = 0.032 W/kg**  
 Maximum value of SAR (measured) = 0.0696 W/kg



0 dB = 0.0666 W/kg = -11.77 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

## MHA-L29 LTE Band VII QPSK 20M 1RB 50 offset 21100CH Left Side 10mm-Second Antenna

DUT: MHA-L29; Type: Smart Phone; Serial: SAR1

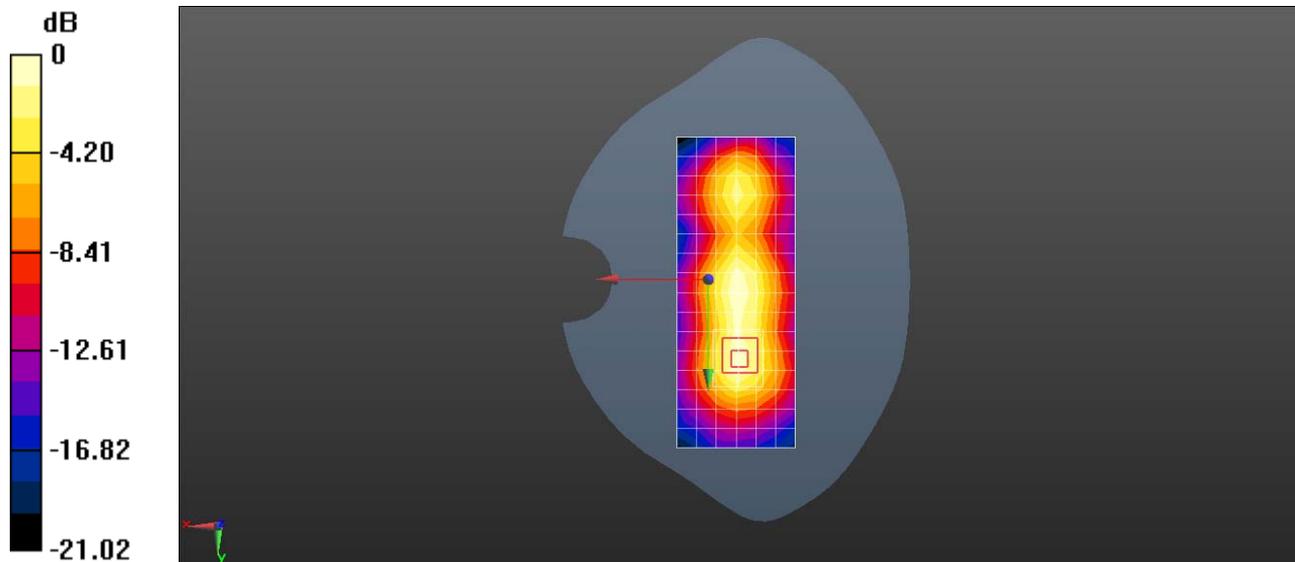
Communication System: UID 0, LTE-FDD (SC-FDMA, 20MHz, QPSK/16-QAM) (0); Frequency: 2535 MHz; Duty Cycle: 1:1  
 Medium parameters used:  $f = 2535$  MHz;  $\sigma = 2.042$  S/m;  $\epsilon_r = 51.708$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
 Phantom section: Flat Section

DASY Configuration:

- ε Probe: ES3DV3 - SN3168; ConvF(4.23, 4.23, 4.23); Calibrated: 2015-9-28;
- 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(1222);

**Configuration/Body/Area Scan (7x17x1):** Measurement grid: dx=12mm, dy=12mm  
 Maximum value of SAR (measured) = 0.172 W/kg

**Configuration/Body/Zoom Scan (7x8x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm  
 Reference Value = 8.504 V/m; Power Drift = 0.07 dB  
 Peak SAR (extrapolated) = 0.283 W/kg  
**SAR(1 g) = 0.143 W/kg; SAR(10 g) = 0.072 W/kg**  
 Maximum value of SAR (measured) = 0.182 W/kg



0 dB = 0.172 W/kg = -7.64 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

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

DUT: MHA-L29; Type: Smart Phone; Serial: SAR2

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;  $\sigma = 0.847$  S/m;  $\epsilon_r = 43.716$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Right Section

DASY Configuration:

- ε Probe: EX3DV4 - SN3744; ConvF(9.7, 9.7, 9.7); Calibrated: 2016-7-26;
- ε Sensor-Surface: 1.4mm (Mechanical Surface Detection),  $z = 1.0, 31.0$
- ε Electronics: DAE4 Sn1236; Calibrated: 2015-11-23
- ε Phantom: SAM4; Type: SAM; Serial: TP-1620
- ε DASY52 52.8.8(1222);

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

Maximum value of SAR (measured) = 1.95 W/kg

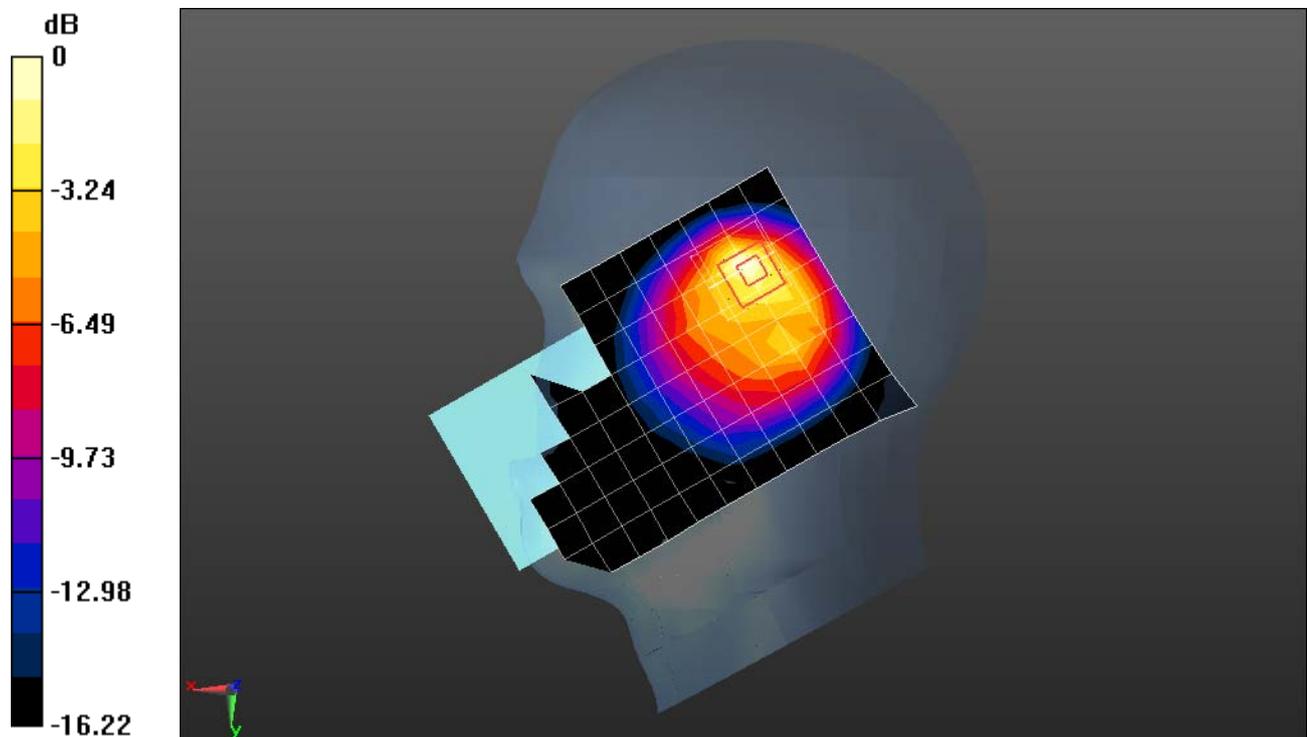
### Configuration/Head/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 23.95 V/m; Power Drift = -0.14 dB

Peak SAR (extrapolated) = 2.51 W/kg

SAR(1 g) = 1.05 W/kg; SAR(10 g) = 0.518 W/kg

Maximum value of SAR (measured) = 1.69 W/kg



0 dB = 1.69 W/kg = 2.28 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

## MHA-L29 LTE Band XII 10M QPSK 25RB 25 offset 23130CH Back Side 15mm-Second Antenna

DUT: MHA-L29; Type: Smart Phone; Serial: SAR2

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

Medium parameters used:  $f = 711$  MHz;  $\sigma = 0.934$  S/m;  $\epsilon_r = 54.145$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY Configuration:

- ε Probe: EX3DV4 - SN3744; ConvF(9.03, 9.03, 9.03); Calibrated: 2016-7-26;
- ε Sensor-Surface: 1.4mm (Mechanical Surface Detection),  $z = 1.0, 31.0$
- ε Electronics: DAE4 Sn1236; Calibrated: 2015-11-23
- ε Phantom: SAM3; Type: SAM; Serial: TP-1597
- ε DASY52 52.8.8(1222);

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

Maximum value of SAR (measured) = 0.135 W/kg

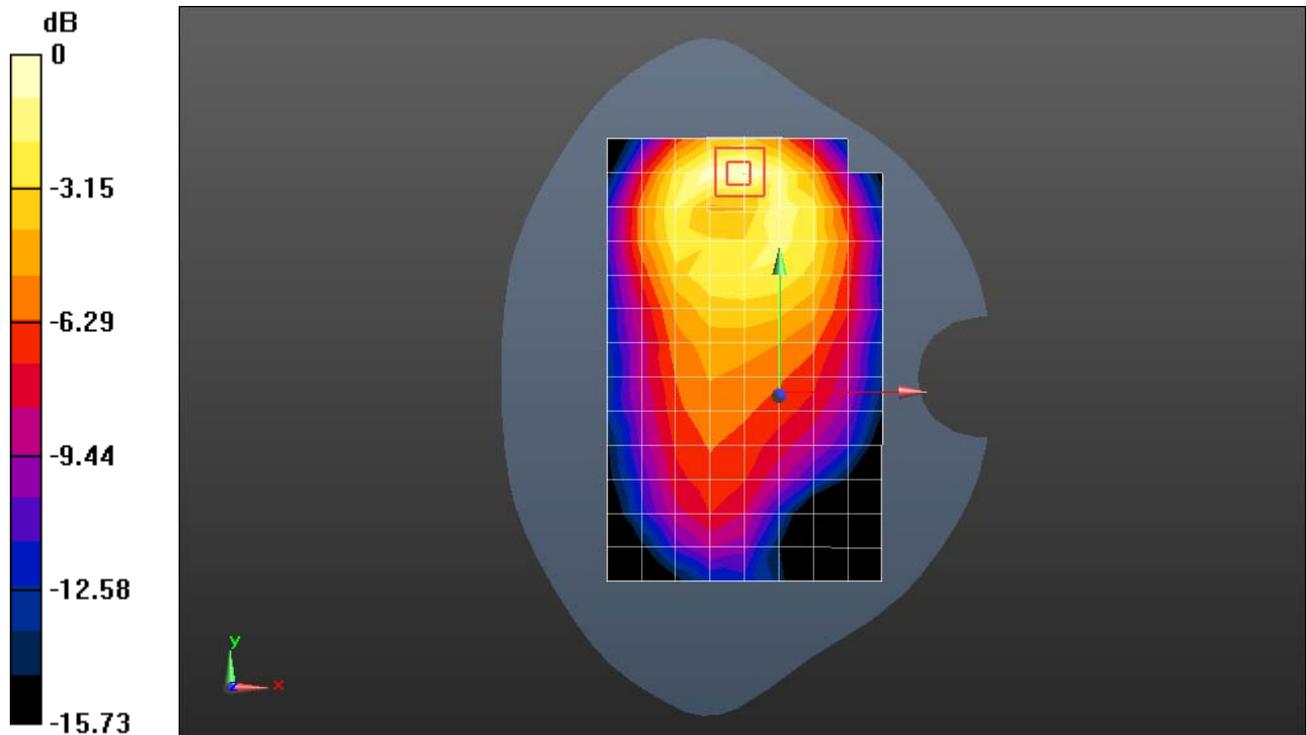
### Configuration/Body/Zoom Scan (6x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 6.024 V/m; Power Drift = -0.19 dB

Peak SAR (extrapolated) = 0.161 W/kg

SAR(1 g) = 0.097 W/kg; SAR(10 g) = 0.058 W/kg

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



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

Test Laboratory: HUAWEI SAR/HAC Lab

## MHA-L29 LTE Band XII 10M QPSK 25RB 25 offset 23130CH Back Side 10mm-Second Antenna

DUT: MHA-L29; Type: Smart Phone; Serial: SAR2

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

Medium parameters used:  $f = 711$  MHz;  $\sigma = 0.934$  S/m;  $\epsilon_r = 54.145$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY Configuration:

- ε Probe: EX3DV4 - SN3744; ConvF(9.03, 9.03, 9.03); Calibrated: 2016-7-26;
- ε Sensor-Surface: 1.4mm (Mechanical Surface Detection),  $z = 1.0, 31.0$
- ε Electronics: DAE4 Sn1236; Calibrated: 2015-11-23
- ε Phantom: SAM3; Type: SAM; Serial: TP-1597
- ε DASY52 52.8.8(1222);

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

Maximum value of SAR (measured) = 0.276 W/kg

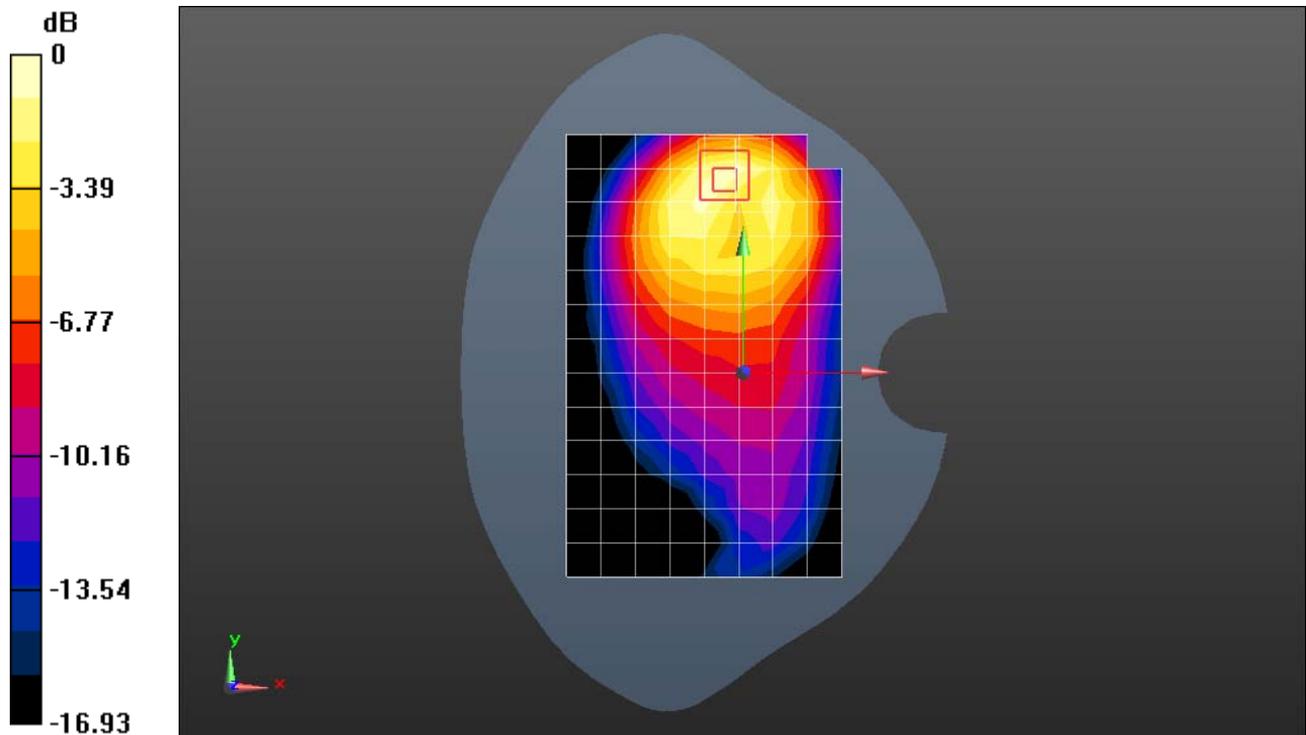
### Configuration/Body/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 6.387 V/m; Power Drift = 0.05 dB

Peak SAR (extrapolated) = 0.418 W/kg

SAR(1 g) = 0.226 W/kg; SAR(10 g) = 0.126 W/kg

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



0 dB = 0.319 W/kg = -4.96 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

## MHA-L29 LTE Band XVII 10M QPSK 1RB 25 offset 23800CH Right touch-Second Antenna

DUT: MHA-L29; Type: Smart Phone; Serial: SAR2

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

Medium parameters used:  $f = 711$  MHz;  $\sigma = 0.854$  S/m;  $\epsilon_r = 43.624$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Right Section

DASY Configuration:

ε Probe: EX3DV4 - SN3744; ConvF(9.7, 9.7, 9.7); Calibrated: 2016-7-26;

ε Sensor-Surface: 1.4mm (Mechanical Surface Detection),  $z = 1.0, 31.0$

ε Electronics: DAE4 Sn1236; Calibrated: 2015-11-23

ε Phantom: SAM4; Type: SAM; Serial: TP-1620

ε DASY52 52.8.8(1222);

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

Maximum value of SAR (measured) = 1.37 W/kg

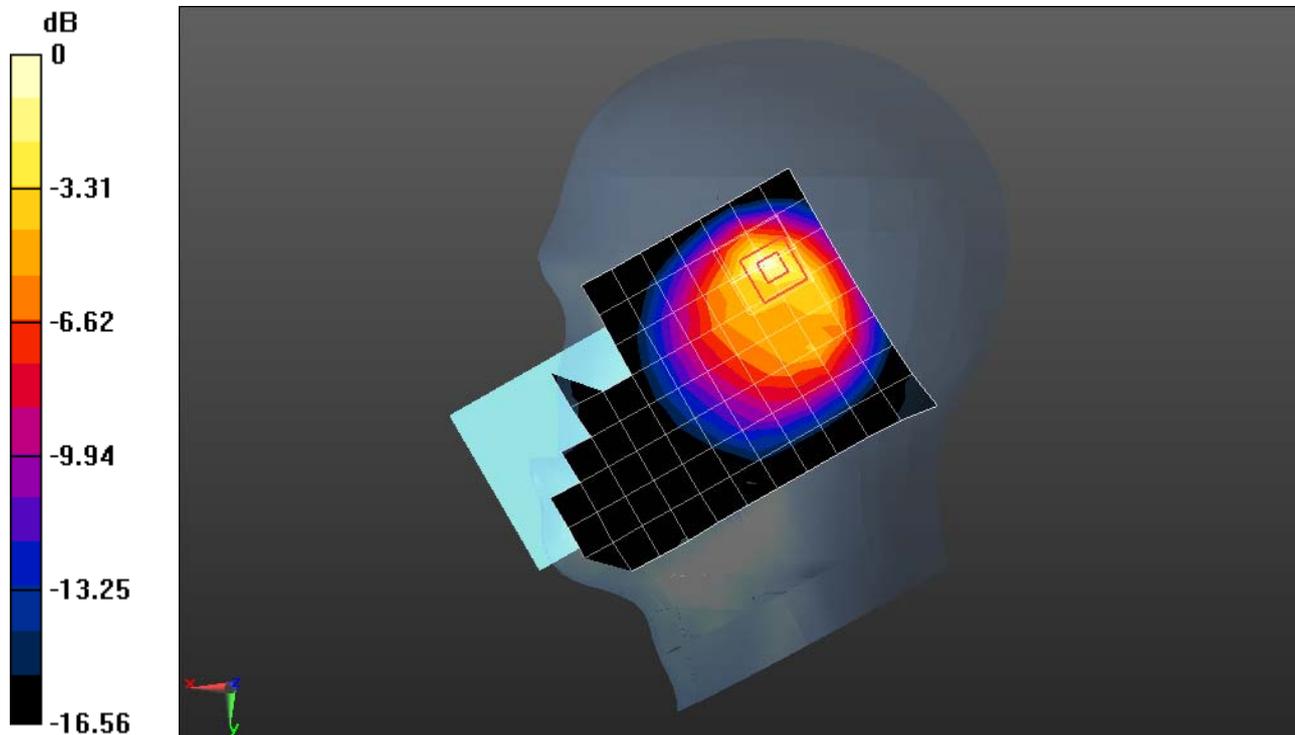
### Configuration/Head/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 17.67 V/m; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 1.81 W/kg

SAR(1 g) = 0.761 W/kg; SAR(10 g) = 0.380 W/kg

Maximum value of SAR (measured) = 1.34 W/kg



0 dB = 1.34 W/kg = 1.27 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

## MHA-L29 LTE Band XVII 10M QPSK 1RB 25 offset 23790CH Back side 15mm with Battery 2-Second Antenna

DUT: MHA-L29; Type: Smart Phone; Serial: SAR2

Communication System: UID 0, LTE-FDD (SC-FDMA, 10MHz, QPSK/16-QAM) (0); Frequency: 710 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 710$  MHz;  $\sigma = 0.933$  S/m;  $\epsilon_r = 54.152$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY Configuration:

- ε Probe: EX3DV4 - SN3744; ConvF(9.03, 9.03, 9.03); Calibrated: 2016-7-26;
- ε Sensor-Surface: 1.4mm (Mechanical Surface Detection),  $z = 1.0, 31.0$
- ε Electronics: DAE4 Sn1236; Calibrated: 2015-11-23
- ε Phantom: SAM3; Type: SAM; Serial: TP-1597
- ε DASY52 52.8.8(1222);

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

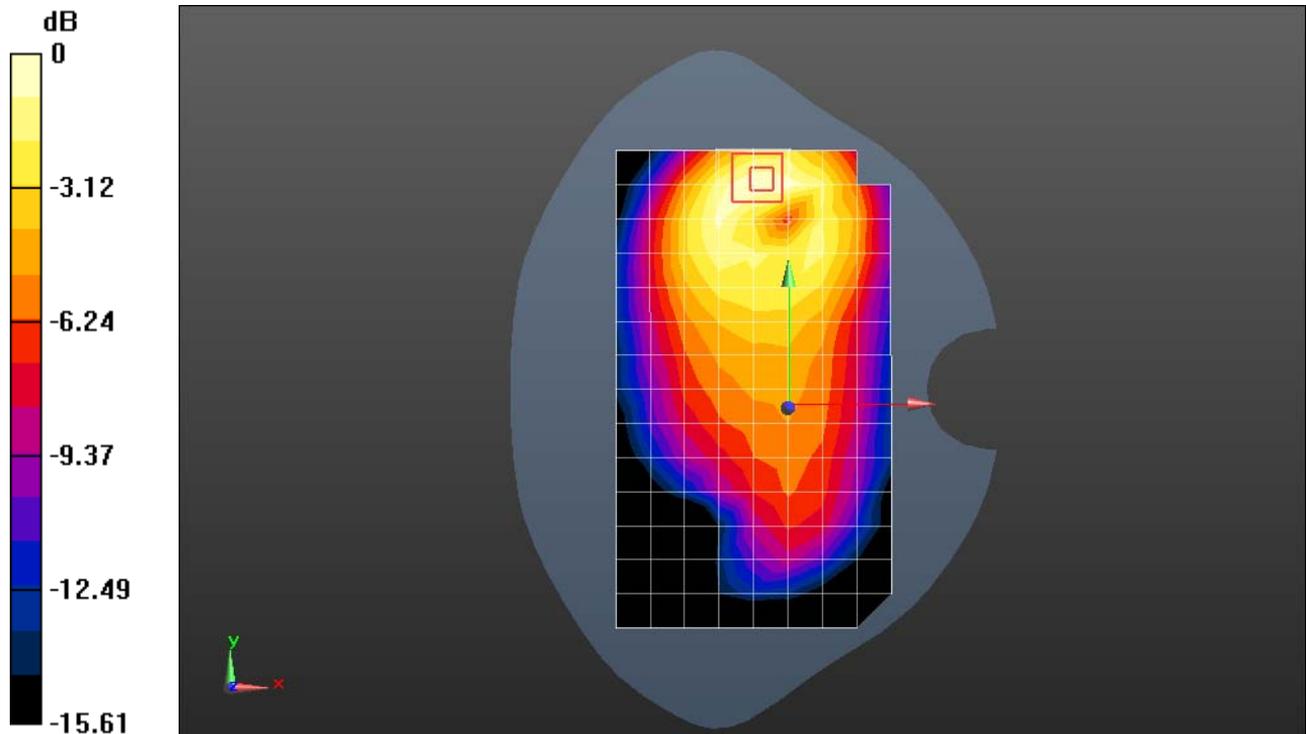
Maximum value of SAR (measured) = 0.139 W/kg

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

Reference Value = 6.299 V/m; Power Drift = 0.11 dB

Peak SAR (extrapolated) = 0.165 W/kg

SAR(1 g) = 0.098 W/kg; SAR(10 g) = 0.059 W/kg



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

Test Laboratory: HUAWEI SAR/HAC Lab

## MHA-L29 LTE Band XVII 10M QPSK 1RB 25 offset 23790CH Front side 10mm-Second Antenna

DUT: MHA-L29; Type: Smart Phone; Serial: SAR2

Communication System: UID 0, LTE-FDD (SC-FDMA, 10MHz, QPSK/16-QAM) (0); Frequency: 710 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 710$  MHz;  $\sigma = 0.933$  S/m;  $\epsilon_r = 54.152$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY Configuration:

- ε Probe: EX3DV4 - SN3744; ConvF(9.03, 9.03, 9.03); Calibrated: 2016-7-26;
- ε Sensor-Surface: 1.4mm (Mechanical Surface Detection),  $z = 1.0, 31.0$
- ε Electronics: DAE4 Sn1236; Calibrated: 2015-11-23
- ε Phantom: SAM3; Type: SAM; Serial: TP-1597
- ε DASY52 52.8.8(1222);

**Configuration/Body/Area Scan (9x15x1):** Measurement grid:  $dx=15$ mm,  $dy=15$ mm  
 Maximum value of SAR (measured) = 0.284 W/kg

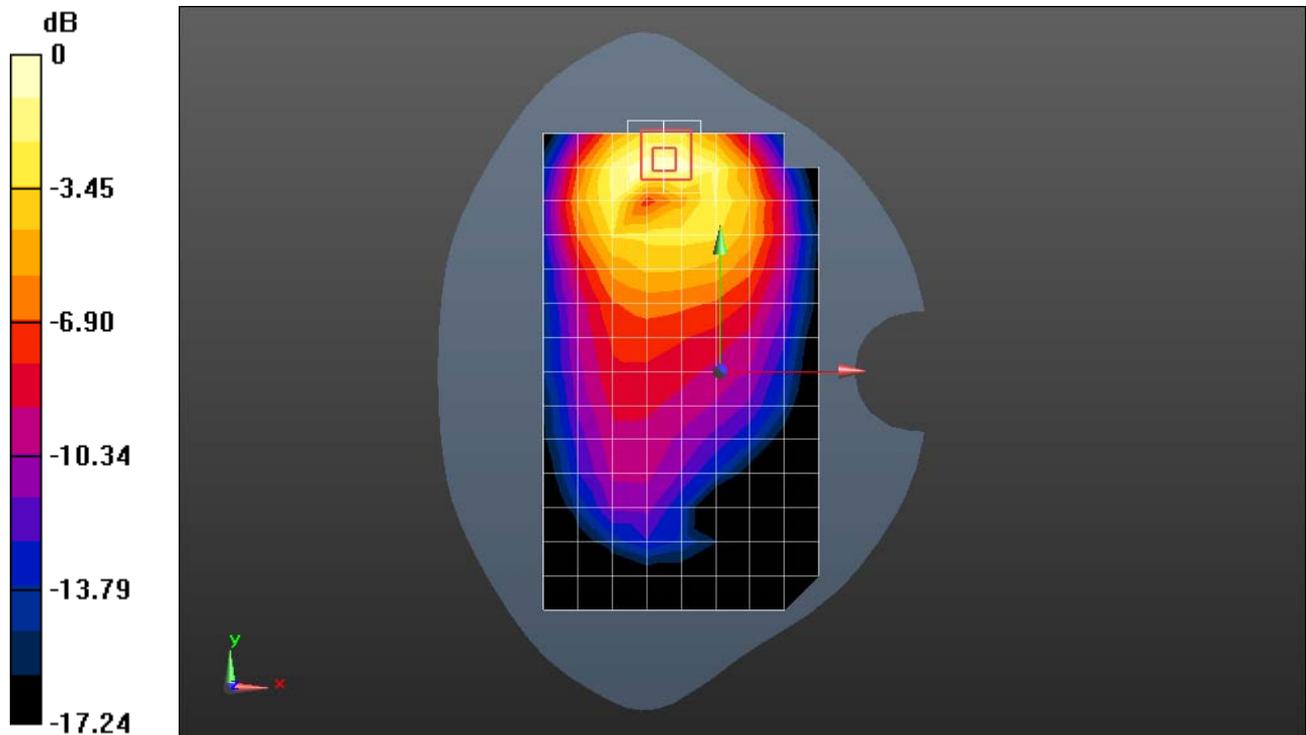
**Configuration/Body/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 6.033 V/m; Power Drift = 0.15 dB

Peak SAR (extrapolated) = 0.367 W/kg

SAR(1 g) = 0.203 W/kg; SAR(10 g) = 0.114 W/kg

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



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

Test Laboratory: HUAWEI SAR/HAC Lab

## MHA-L29 LTE Band XXVI 15M QPSK 1RB 38 offset 26965CH Right touch with Battery 2-Second Antenna

DUT: MHA-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;  $\sigma = 0.921$  S/m;  $\epsilon_r = 42.062$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Right Section

DASY Configuration:

- ε Probe: EX3DV4 - SN3736; ConvF(9.17, 9.17, 9.17); Calibrated: 2016-4-26;
- ε Sensor-Surface: 1.4mm (Mechanical Surface Detection),  $z = 1.0, 31.0$
- ε Electronics: DAE4 Sn1236; Calibrated: 2015-11-23
- ε Phantom: SAM4; Type: SAM; Serial: TP-1620
- ε DASY52 52.8.8(1222);

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

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 2.05 W/kg

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

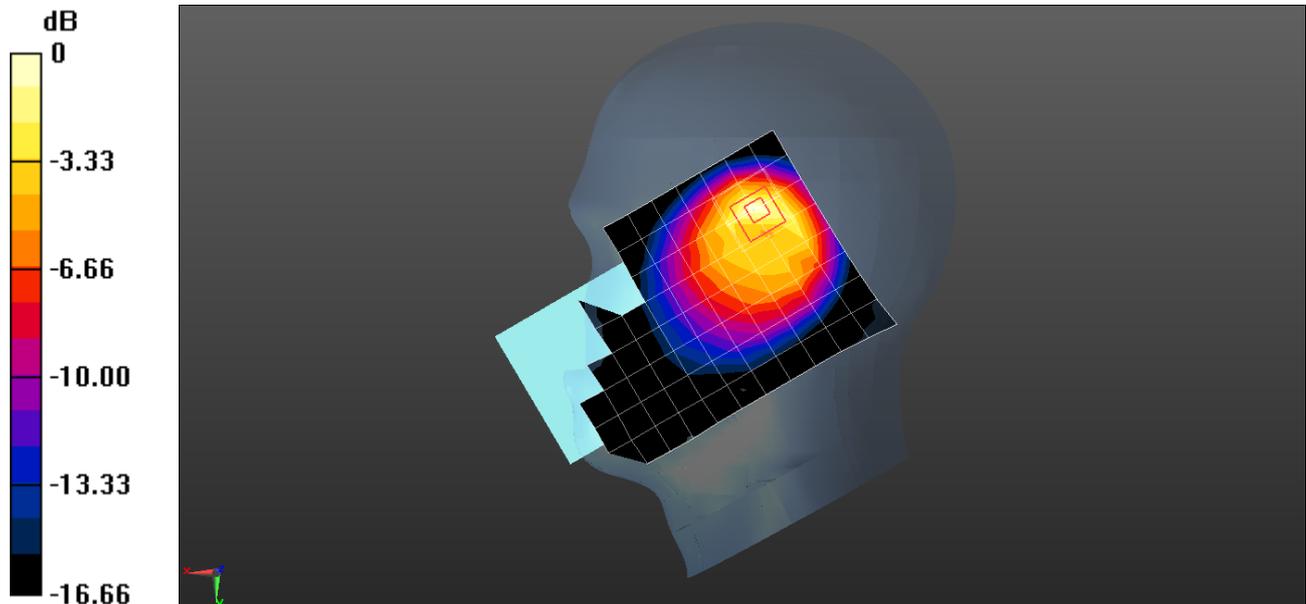
Reference Value = 23.04 V/m; Power Drift = 0.00 dB

Peak SAR (extrapolated) = 2.72 W/kg

SAR(1 g) = 1.17 W/kg; SAR(10 g) = 0.612 W/kg

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 2.02 W/kg



0 dB = 2.02 W/kg = 3.05 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

## MHA-L29 LTE Band XXVI 15M QPSK 1RB 38 offset 26965CH Back Side 15mm-Second Antenna

**DUT: MHA-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;  $\sigma = 1$  S/m;  $\epsilon_r = 54.261$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY Configuration:

- ε Probe: EX3DV4 - SN3736; ConvF(9.08, 9.08, 9.08); Calibrated: 2016-4-26;
- ε Sensor-Surface: 1.4mm (Mechanical Surface Detection),  $z = 1.0, 31.0$
- ε Electronics: DAE4 Sn1236; Calibrated: 2015-11-23
- ε Phantom: SAM3; Type: SAM; Serial: TP-1597
- ε DASY52 52.8.8(1222);

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

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

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

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

Reference Value = 12.92 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 0.253 W/kg

**SAR(1 g) = 0.189 W/kg; SAR(10 g) = 0.137 W/kg**

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

Maximum value of SAR (measured) = 0.231 W/kg

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

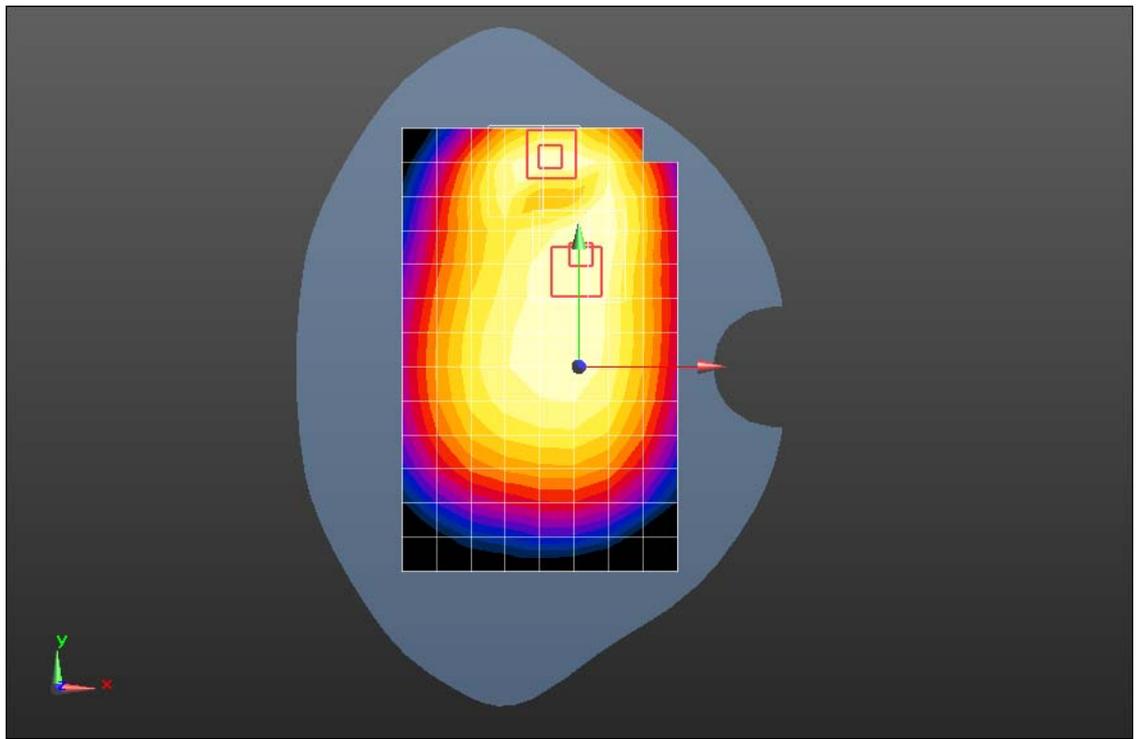
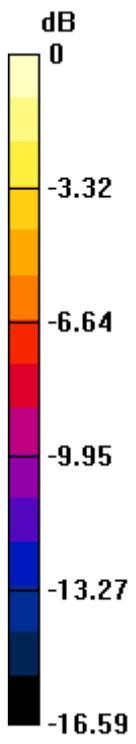
Reference Value = 12.92 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 0.258 W/kg

**SAR(1 g) = 0.158 W/kg; SAR(10 g) = 0.095 W/kg**

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

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



0 dB = 0.221 W/kg = -6.57 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

## MHA-L29 LTE Band XXVI 15M QPSK 1RB 38 offset 26965CH Back Side 10mm-Second Antenna

DUT: MHA-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;  $\sigma = 1$  S/m;  $\epsilon_r = 54.261$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY Configuration:

- ε Probe: EX3DV4 - SN3736; ConvF(9.08, 9.08, 9.08); Calibrated: 2016-4-26;

- ε Sensor-Surface: 1.4mm (Mechanical Surface Detection),  $z = 1.0, 31.0$

- ε Electronics: DAE4 Sn1236; Calibrated: 2015-11-23

- ε Phantom: SAM3; Type: SAM; Serial: TP-1597

- ε DASY52 52.8.8(1222);

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

Info: Interpolated medium parameters used for SAR evaluation.

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

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

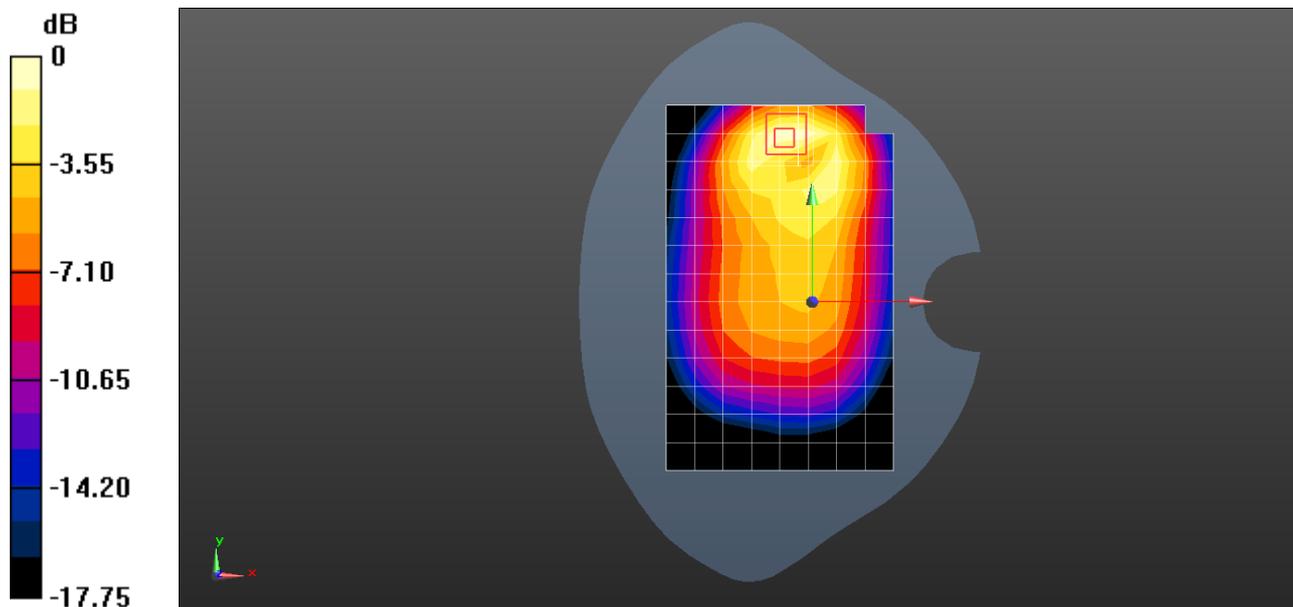
Reference Value = 13.02 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 0.690 W/kg

SAR(1 g) = 0.393 W/kg; SAR(10 g) = 0.221 W/kg

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 0.569 W/kg



0 dB = 0.569 W/kg = -2.45 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

## MHA-L29 LTE Band XXXVIII QPSK 20M 1RB 50 offset 38150CH Right touch-Second Antenna

DUT: MHA-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;  $\sigma = 2.029$  S/m;  $\epsilon_r = 37.605$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Right Section

DASY Configuration:

ε Probe: ES3DV3 - SN3168; ConvF(4.48, 4.48, 4.48); Calibrated: 2015-9-28;

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(1222);

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

Maximum value of SAR (measured) = 1.43 W/kg

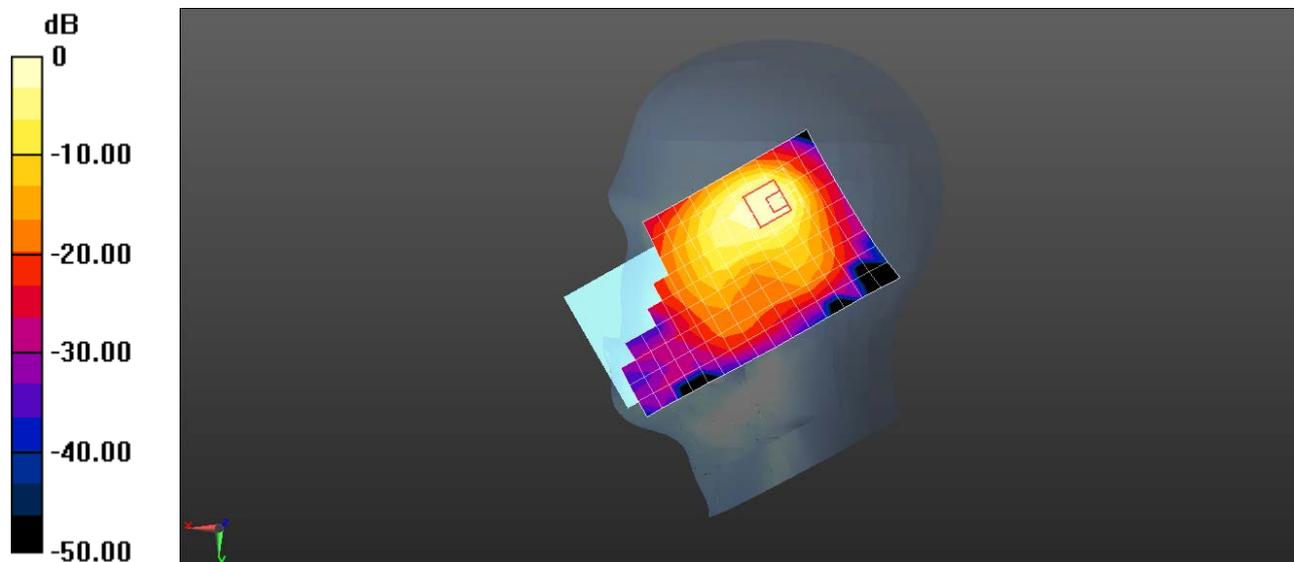
### Configuration/Head/Zoom Scan (7x8x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 8.313 V/m; Power Drift = 0.16 dB

Peak SAR (extrapolated) = 2.96 W/kg

SAR(1 g) = 1.13 W/kg; SAR(10 g) = 0.527 W/kg

Maximum value of SAR (measured) = 1.56 W/kg



0 dB = 1.43 W/kg = 1.55 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

## MHA-L29 LTE Band XXXVIII QPSK 20M 1RB 99 offset 38000CH Front Side 15mm-Second Antenna

DUT: MHA-L29; Type: Smart Phone; Serial: SAR1

Communication System: UID 0, LTE-TDD (SC-FDMA, 20MHz, QPSK/16-QAM) (0); Frequency: 2595 MHz; Duty Cycle: 1:1.57906

Medium parameters used:  $f = 2595$  MHz;  $\sigma = 2.113$  S/m;  $\epsilon_r = 51.515$ ;  $\rho = 1000$  kg/m<sup>3</sup>

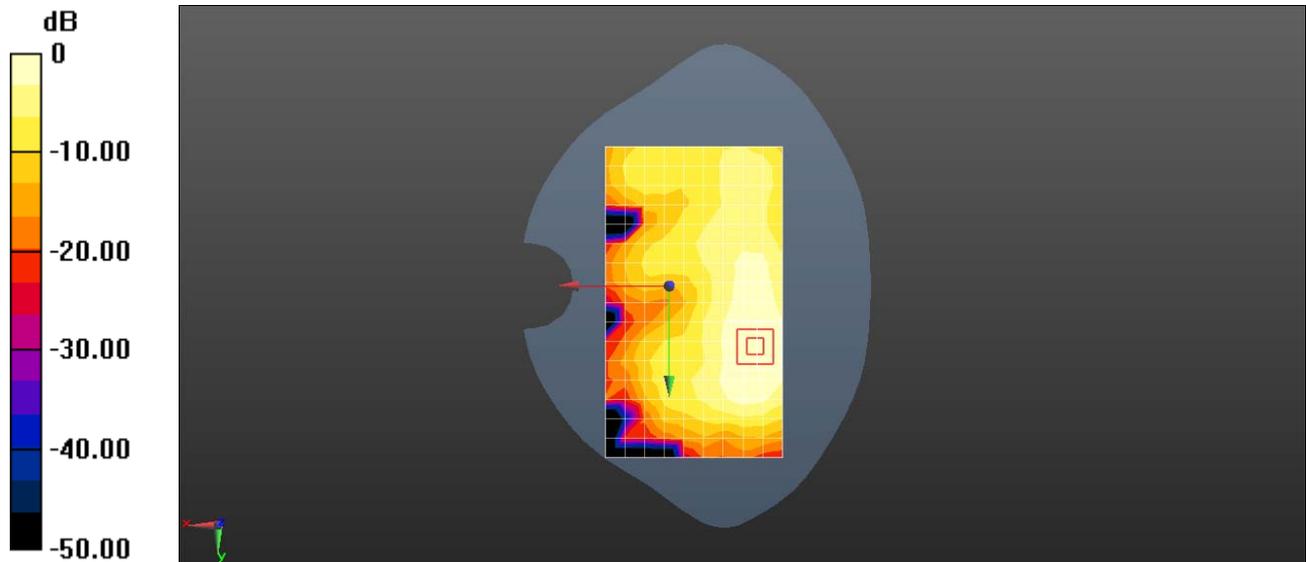
Phantom section: Flat Section

DASY Configuration:

- ε Probe: ES3DV3 - SN3168; ConvF(4.23, 4.23, 4.23); Calibrated: 2015-9-28;
- 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(1222);

**Configuration/Body/Area Scan (10x17x1):** Measurement grid:  $dx=12$ mm,  $dy=12$ mm  
Maximum value of SAR (measured) = 0.119 W/kg

**Configuration/Body/Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm  
Reference Value = 2.500 V/m; Power Drift = 0.13 dB  
Peak SAR (extrapolated) = 0.179 W/kg  
SAR(1 g) = 0.097 W/kg; SAR(10 g) = 0.054 W/kg



Test Laboratory: HUAWEI SAR/HAC Lab

## MHA-L29 LTE Band XXXVIII QPSK 20M 1RB 99 offset 38000CH Left Side 10mm-Second Antenna

DUT: MHA-L29; Type: Smart Phone; Serial: SAR1

Communication System: UID 0, LTE-TDD (SC-FDMA, 20MHz, QPSK/16-QAM) (0); Frequency: 2595 MHz;Duty Cycle: 1:1.57906

Medium parameters used:  $f = 2595$  MHz;  $\sigma = 2.113$  S/m;  $\epsilon_r = 51.515$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY Configuration:

ε Probe: ES3DV3 - SN3168; ConvF(4.23, 4.23, 4.23); Calibrated: 2015-9-28;

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(1222);

### Configuration/Body/Area Scan (6x16x1): Measurement grid: dx=12mm, dy=12mm

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

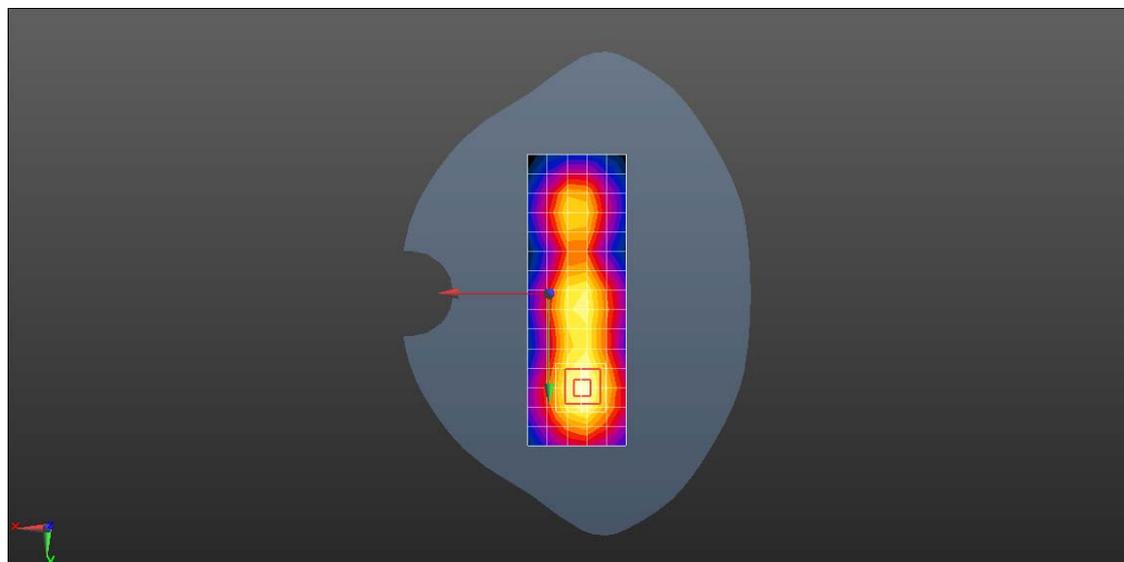
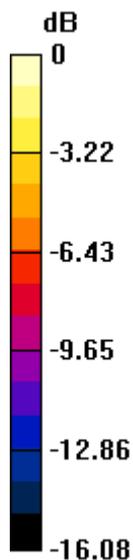
### Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 9.078 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 0.425 W/kg

SAR(1 g) = 0.214 W/kg; SAR(10 g) = 0.108 W/kg

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



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

Test Laboratory: HUAWEI SAR/HAC Lab

## MHA-L29 LTE Band XLI QPSK 20M 1RB 99 offset 41140CH Right touch-Second Antenna-repeated

DUT: MHA-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;  $\sigma = 2.069$  S/m;  $\epsilon_r = 37.495$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Right Section

DASY Configuration:

- ε Probe: ES3DV3 - SN3168; ConvF(4.48, 4.48, 4.48); Calibrated: 2015-9-28;
- 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(1222);

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

Maximum value of SAR (measured) = 1.03 W/kg

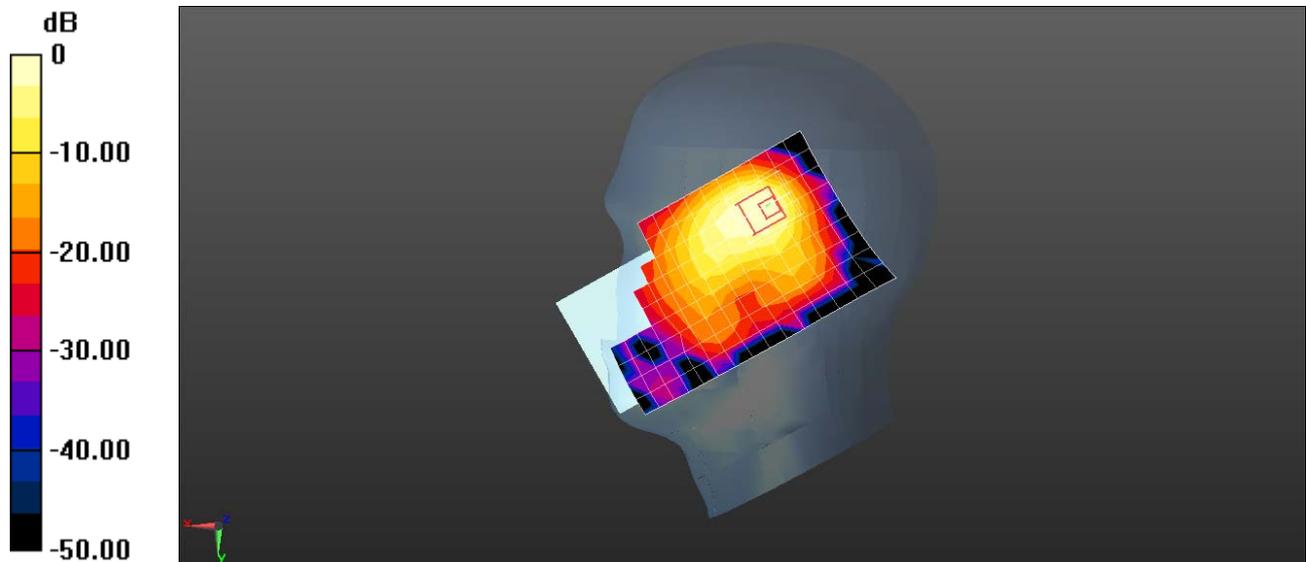
### Configuration/Head/Zoom Scan (7x8x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 7.776 V/m; Power Drift = 0.10 dB

Peak SAR (extrapolated) = 2.64 W/kg

SAR(1 g) = 0.989 W/kg; SAR(10 g) = 0.450 W/kg

Maximum value of SAR (measured) = 1.35 W/kg



0 dB = 1.03 W/kg = 0.13 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

## MHA-L29 LTE Band XLI QPSK 20M 1RB 50 offset 40340CH Front Side 15mm-Second Antenna

DUT: MHA-L29; Type: Smart Phone; Serial: SAR1

Communication System: UID 0, LTE-TDD (SC-FDMA, 20MHz, QPSK/16-QAM) (0); Frequency: 2565 MHz; Duty Cycle: 1:1.57906

Medium parameters used:  $f = 2565$  MHz;  $\sigma = 2.076$  S/m;  $\epsilon_r = 51.617$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY Configuration:

- ε Probe: ES3DV3 - SN3168; ConvF(4.23, 4.23, 4.23); Calibrated: 2015-9-28;
- 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(1222);

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

Maximum value of SAR (measured) = 0.0425 W/kg

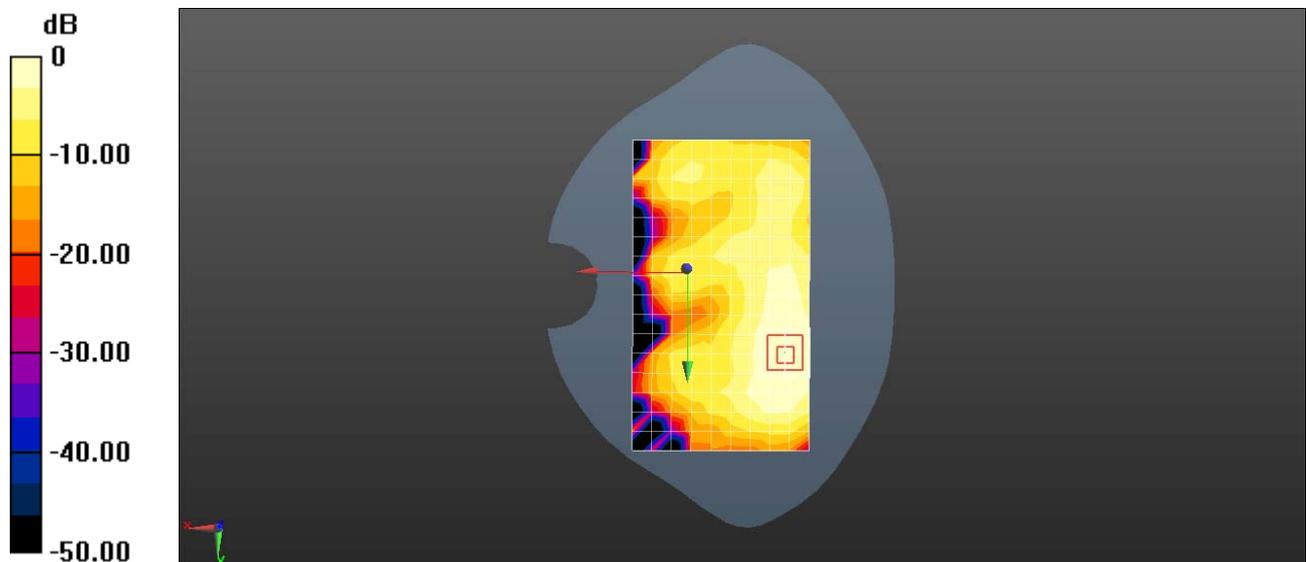
### Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 1.442 V/m; Power Drift = -0.11 dB

Peak SAR (extrapolated) = 0.0660 W/kg

SAR(1 g) = 0.035 W/kg; SAR(10 g) = 0.019 W/kg

Maximum value of SAR (measured) = 0.0439 W/kg



Test Laboratory: HUAWEI SAR/HAC Lab

## MHA-L29 LTE Band XLI QPSK 20M 1RB 50 offset 40340CH Left Side 10mm with Battery 3-Second Antenna

DUT: MHA-L29; Type: Smart Phone; Serial: SAR1

Communication System: UID 0, LTE-TDD (SC-FDMA, 20MHz, QPSK/16-QAM) (0); Frequency: 2565 MHz; Duty Cycle: 1:1.57906

Medium parameters used:  $f = 2565$  MHz;  $\sigma = 2.076$  S/m;  $\epsilon_r = 51.617$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY Configuration:

- ε Probe: ES3DV3 - SN3168; ConvF(4.23, 4.23, 4.23); Calibrated: 2015-9-28;
- 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(1222);

### Configuration/Body/Area Scan (6x16x1): Measurement grid: $dx=12$ mm, $dy=12$ mm

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

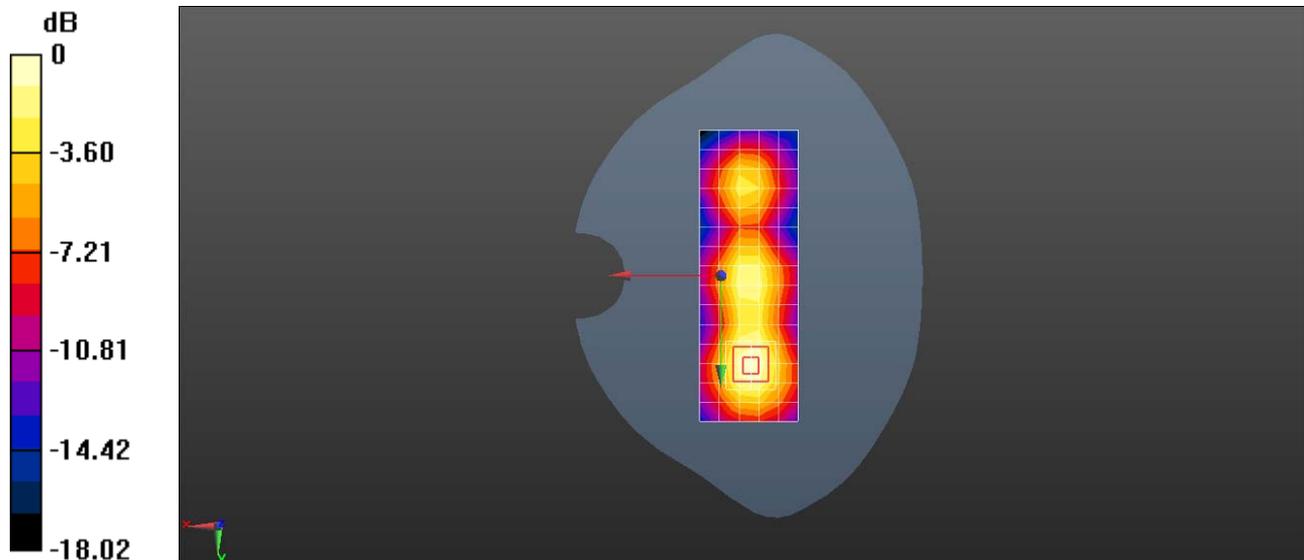
### Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 6.942 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 0.229 W/kg

SAR(1 g) = 0.118 W/kg; SAR(10 g) = 0.060 W/kg

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



Test Laboratory: HUAWEI SAR/HAC Lab

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

DUT: MHA-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;  $\epsilon_r = 40.602$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Right Section

DASY Configuration:

- ⌘ Probe: EX3DV4 - SN3736; ConvF(9.17, 9.17, 9.17); Calibrated: 2016-4-26;
- ⌘ Sensor-Surface: 1.4mm (Mechanical Surface Detection),  $z = 1.0, 31.0$
- ⌘ Electronics: DAE4 Sn1236; Calibrated: 2015-11-23
- ⌘ Phantom: SAM4; Type: SAM; Serial: TP-1620
- ⌘ DASY52 52.8.8(1222);

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

Maximum value of SAR (measured) = 0.423 W/kg

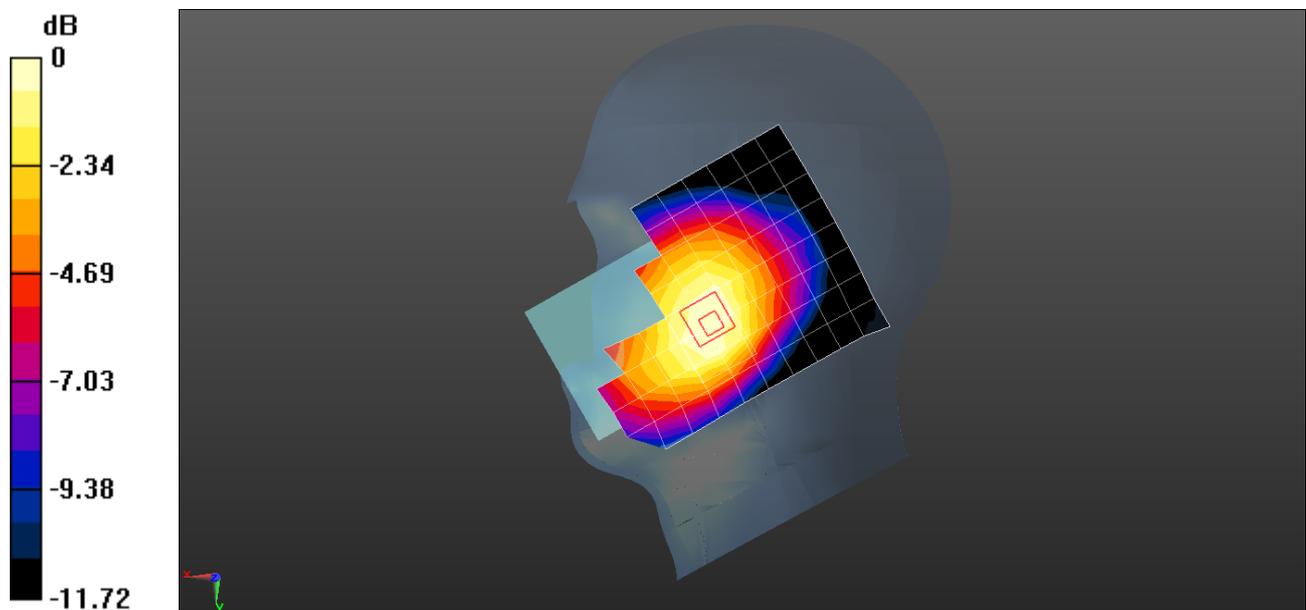
**Configuration/Head/Zoom Scan (6x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 8.858 V/m; Power Drift = -0.14 dB

Peak SAR (extrapolated) = 0.466 W/kg

**SAR(1 g) = 0.352 W/kg; SAR(10 g) = 0.267 W/kg**

Maximum value of SAR (measured) = 0.422 W/kg



0 dB = 0.422 W/kg = -3.75 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

**MHA-L29 GSM850 190CH Back Side 15mm-Main Antenna****DUT: MHA-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;  $\sigma = 0.972$  S/m;  $\epsilon_r = 54.519$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY Configuration:

- ⌵ Probe: EX3DV4 - SN3736; ConvF(9.08, 9.08, 9.08); Calibrated: 2016-4-26;
- ⌵ Sensor-Surface: 1.4mm (Mechanical Surface Detection),  $z = 1.0, 31.0$
- ⌵ Electronics: DAE4 Sn1236; Calibrated: 2015-11-23
- ⌵ Phantom: SAM3; Type: SAM; Serial: TP-1597
- ⌵ DASY52 52.8.8(1222);

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

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

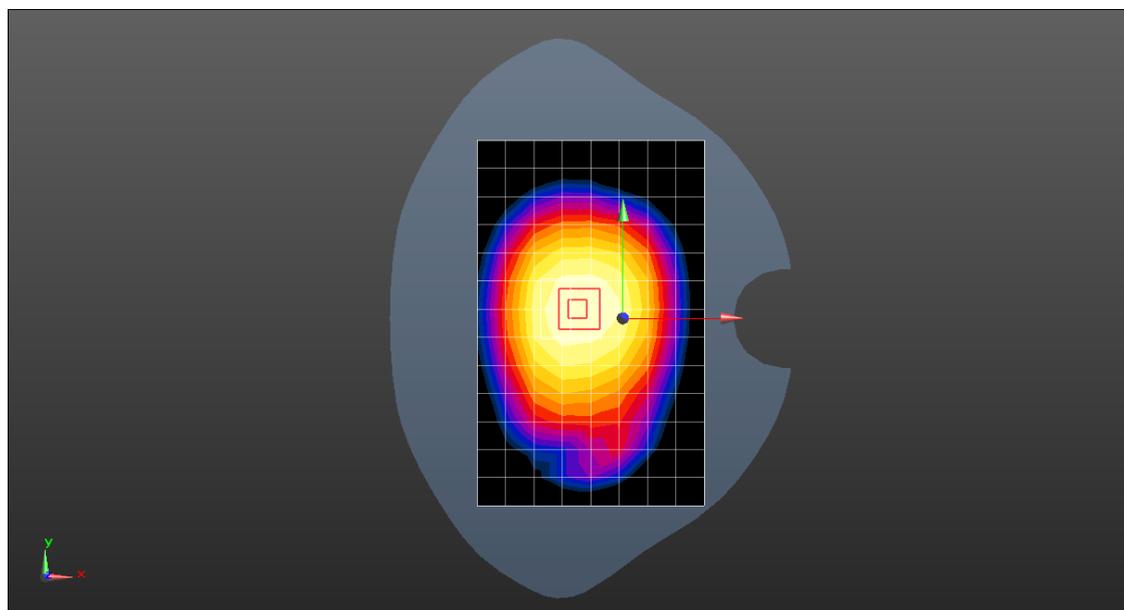
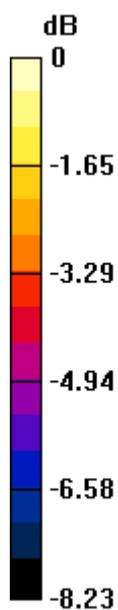
**Configuration/Body/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 21.90 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 0.470 W/kg

**SAR(1 g) = 0.360 W/kg; SAR(10 g) = 0.274 W/kg**

Maximum value of SAR (measured) = 0.433 W/kg



0 dB = 0.433 W/kg = -3.64 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

## MHA-L29 GSM850 GPRS 2TS 190CH Right Side 10mm-Main Antenna

DUT: MHA-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;  $\sigma = 0.972$  S/m;  $\epsilon_r = 54.519$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY Configuration:

- ⌘ Probe: EX3DV4 - SN3736; ConvF(9.08, 9.08, 9.08); Calibrated: 2016-4-26;
- ⌘ Sensor-Surface: 1.4mm (Mechanical Surface Detection),  $z = 1.0, 31.0$
- ⌘ Electronics: DAE4 Sn1236; Calibrated: 2015-11-23
- ⌘ Phantom: SAM3; Type: SAM; Serial: TP-1597
- ⌘ DASY52 52.8.8(1222);

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

Maximum value of SAR (measured) = 0.812 W/kg

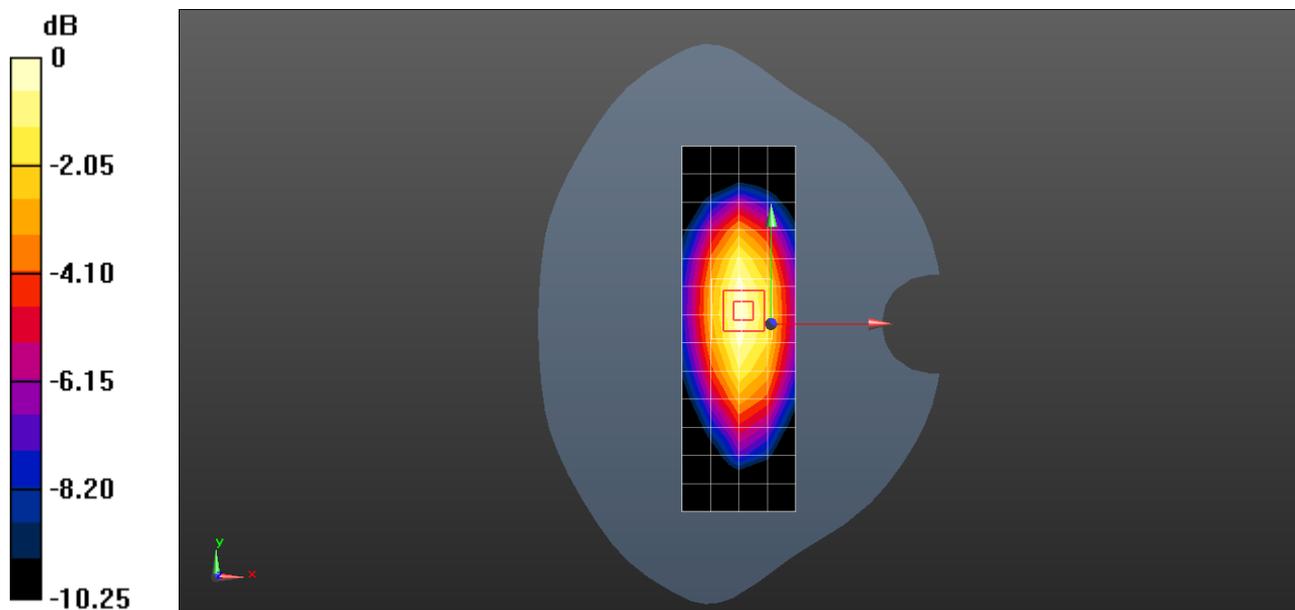
**Configuration/Body/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 30.23 V/m; Power Drift = -0.11 dB

Peak SAR (extrapolated) = 0.940 W/kg

**SAR(1 g) = 0.624 W/kg; SAR(10 g) = 0.420 W/kg**

Maximum value of SAR (measured) = 0.831 W/kg



0 dB = 0.831 W/kg = -0.80 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

**MHA-L29 GSM1900 512CH Right touch-Main Antenna****DUT: MHA-L29; Type: Smart Phone; Serial: SAR2**

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;  $\sigma = 1.374$  S/m;  $\epsilon_r = 39.861$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Right Section

DASY Configuration:

- ε Probe: ES3DV3 - SN3168; ConvF(5.13, 5.13, 5.13); Calibrated: 2015-9-28;
- ε Sensor-Surface: 3mm (Mechanical Surface Detection),  $z = 2.0, 32.0$
- ε Electronics: DAE4 Sn1236; Calibrated: 2015-11-23
- ε Phantom: SAM4; Type: SAM; Serial: TP-1620
- ε DASY52 52.8.8(1222);

**Configuration/Head/Area Scan (8x14x1):** Measurement grid: dx=15mm, dy=15mmInfo: [Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.276 W/kg

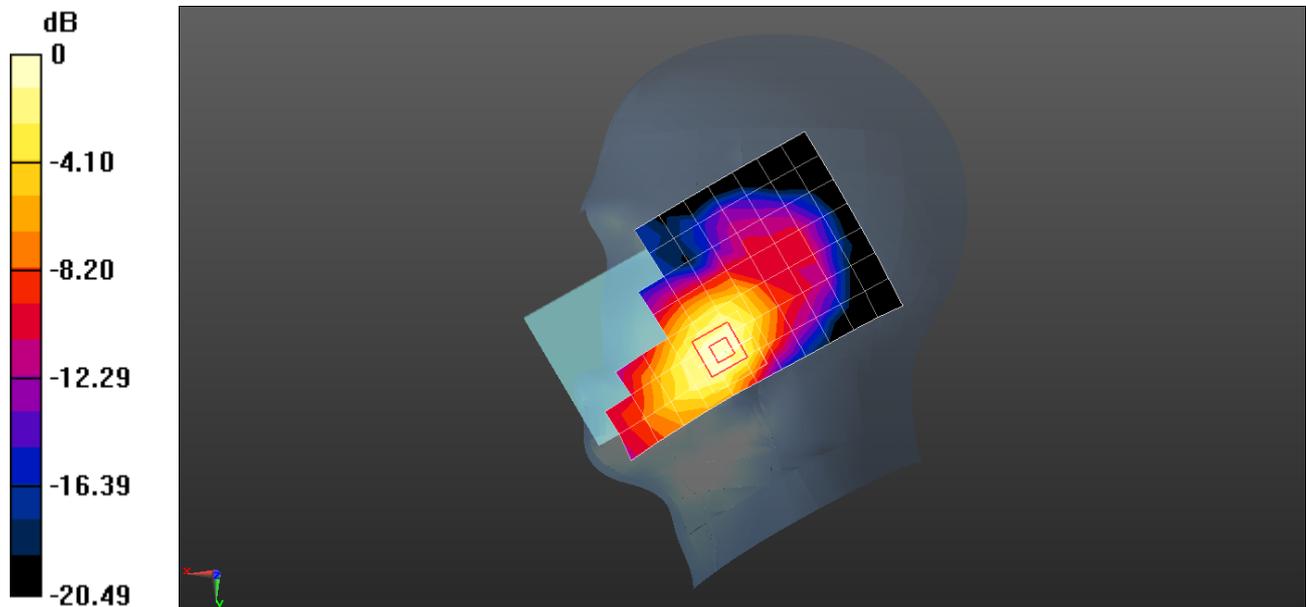
**Configuration/Head/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 4.992 V/m; Power Drift = 0.11 dB

Peak SAR (extrapolated) = 0.399 W/kg

**SAR(1 g) = 0.264 W/kg; SAR(10 g) = 0.166 W/kg**Info: [Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.309 W/kg



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

Test Laboratory: HUAWEI SAR/HAC Lab

**MHA-L29 GSM1900 661CH Back Side 15mm-Main Antenna****DUT: MHA-L29; Type: Smart Phone; Serial: SAR2**

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

Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.54$  S/m;  $\epsilon_r = 52.4$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY Configuration:

- ⌵ Probe: EX3DV4 - SN3736; ConvF(7.15, 7.15, 7.15); Calibrated: 2016-4-26;
- ⌵ Sensor-Surface: 1.4mm (Mechanical Surface Detection),  $z = 1.0, 31.0$
- ⌵ Electronics: DAE4 Sn1236; Calibrated: 2015-11-23
- ⌵ Phantom: SAM3; Type: SAM; Serial: TP-1597
- ⌵ DASY52 52.8.8(1222);

**Configuration/Body/Area Scan (8x14x1):** Measurement grid:  $dx=15$ mm,  $dy=15$ mm  
 Maximum value of SAR (measured) = 0.369 W/kg

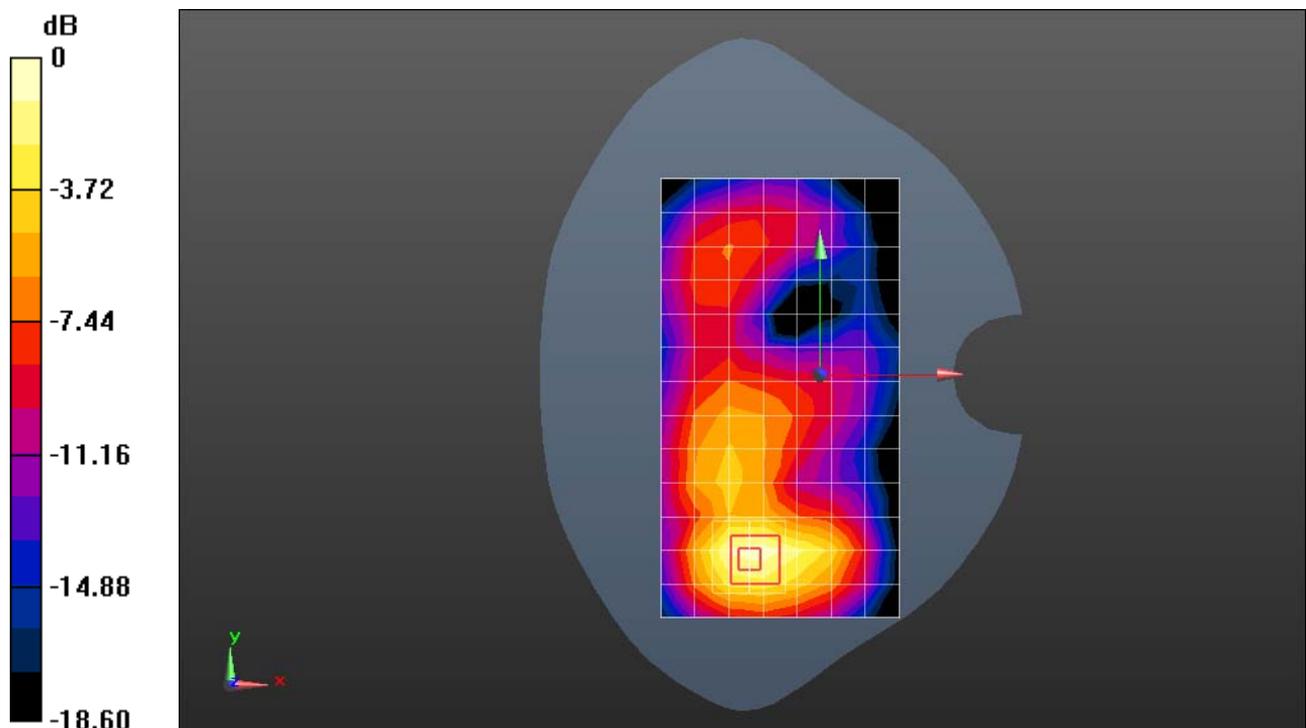
**Configuration/Body/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 5.961 V/m; Power Drift = 0.18 dB

Peak SAR (extrapolated) = 0.475 W/kg

**SAR(1 g) = 0.275 W/kg; SAR(10 g) = 0.153 W/kg**

Maximum value of SAR (measured) = 0.407 W/kg



0 dB = 0.407 W/kg = -3.91 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

**MHA-L29 GSM1900 GPRS 2TS 661CH Bottom Side 10mm-Main Antenna****DUT: MHA-L29; Type: Smart Phone; Serial: SAR2**

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

Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.54$  S/m;  $\epsilon_r = 52.4$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY Configuration:

- ⌘ Probe: EX3DV4 - SN3736; ConvF(7.15, 7.15, 7.15); Calibrated: 2016-4-26;
- ⌘ Sensor-Surface: 1.4mm (Mechanical Surface Detection),  $z = 1.0, 31.0$
- ⌘ Electronics: DAE4 Sn1236; Calibrated: 2015-11-23
- ⌘ Phantom: SAM3; Type: SAM; Serial: TP-1597
- ⌘ DASY52 52.8.8(1222);

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

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

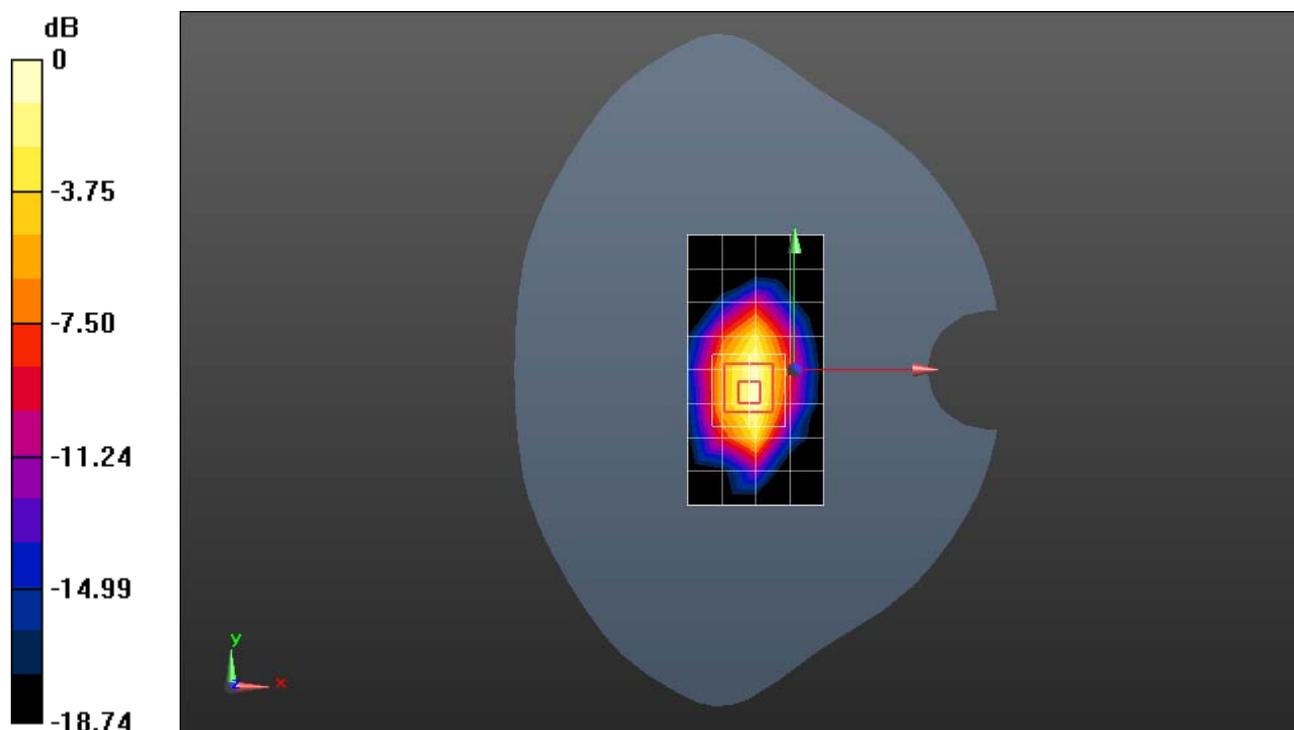
**Configuration/Body/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 31.76 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 2.04 W/kg

**SAR(1 g) = 1.11 W/kg; SAR(10 g) = 0.587 W/kg**

Maximum value of SAR (measured) = 1.69 W/kg



0 dB = 1.69 W/kg = 2.28 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

**MHA-L29 GSM1900 GPRS 2TS 661CH Bottom Side 0mm-Main Antenna****DUT: MHA-L29; Type: Smart Phone; Serial: SAR2**

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

Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.54$  S/m;  $\epsilon_r = 52.4$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY Configuration:

- ζ Probe: EX3DV4 - SN3736; ConvF(7.15, 7.15, 7.15); Calibrated: 2016-4-26;
- ζ Sensor-Surface: 1.4mm (Mechanical Surface Detection),  $z = 1.0, 31.0$
- ζ Electronics: DAE4 Sn1236; Calibrated: 2015-11-23
- ζ Phantom: SAM3; Type: SAM; Serial: TP-1597
- ζ DASY52 52.8.8(1222);

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

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

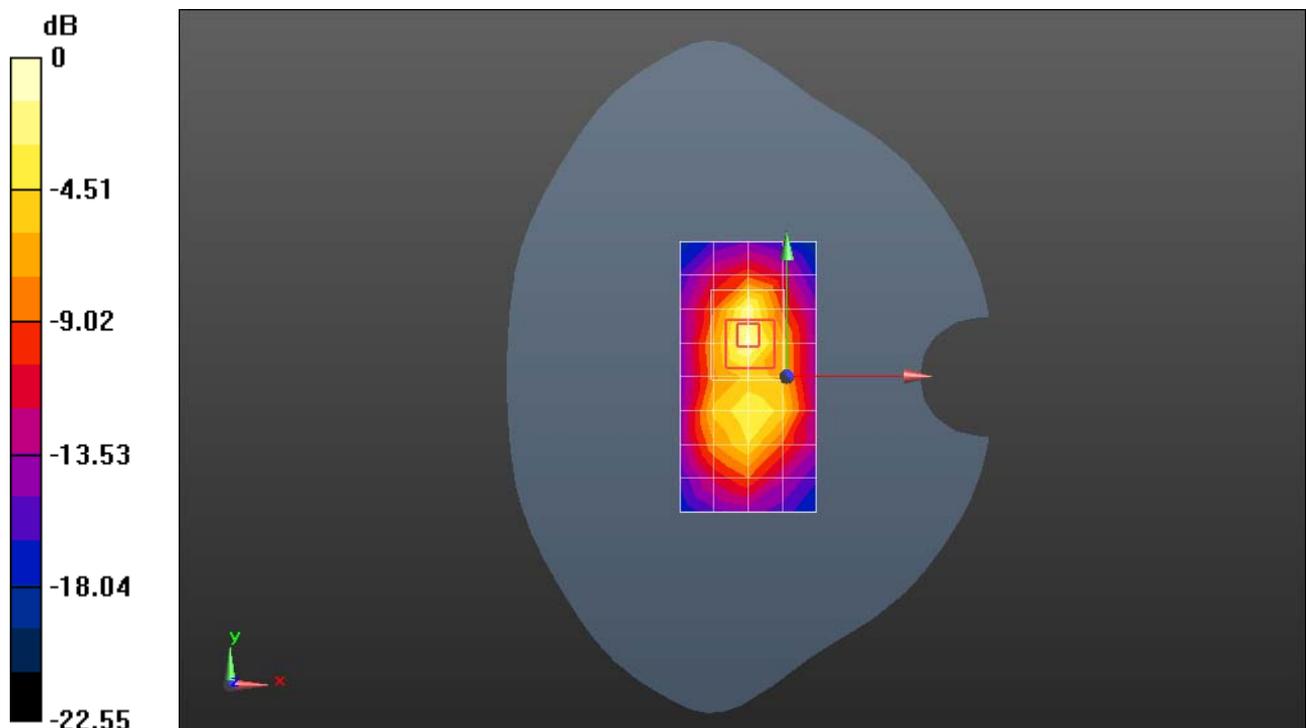
**Configuration/Body/Zoom Scan (5x6x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 16.55 V/m; Power Drift = -0.10 dB

Peak SAR (extrapolated) = 1.68 W/kg

**SAR(1 g) = 0.491 W/kg; SAR(10 g) = 0.207 W/kg**

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



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

Test Laboratory: HUAWEI SAR/HAC Lab

**MHA-L29 UMTS Band II 9262CH Right touch-Main Antenna****DUT: MHA-L29; Type: Smart Phone; Serial: SAR2**

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

Medium parameters used (interpolated):  $f = 1852.4$  MHz;  $\sigma = 1.351$  S/m;  $\epsilon_r = 39.969$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Right Section

DASY Configuration:

- ε Probe: EX3DV4 - SN3744; ConvF(7.74, 7.74, 7.74); Calibrated: 2016-7-26;
- ε Sensor-Surface: 1.4mm (Mechanical Surface Detection),  $z = 1.0, 31.0$
- ε Electronics: DAE4 Sn1236; Calibrated: 2015-11-23
- ε Phantom: SAM3; Type: SAM; Serial: TP-1597
- ε DASY52 52.8.8(1222);

**Configuration/Head/Area Scan (8x14x1):** Measurement grid: dx=15mm, dy=15mmInfo: [Interpolated medium parameters used for SAR evaluation.](#)

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

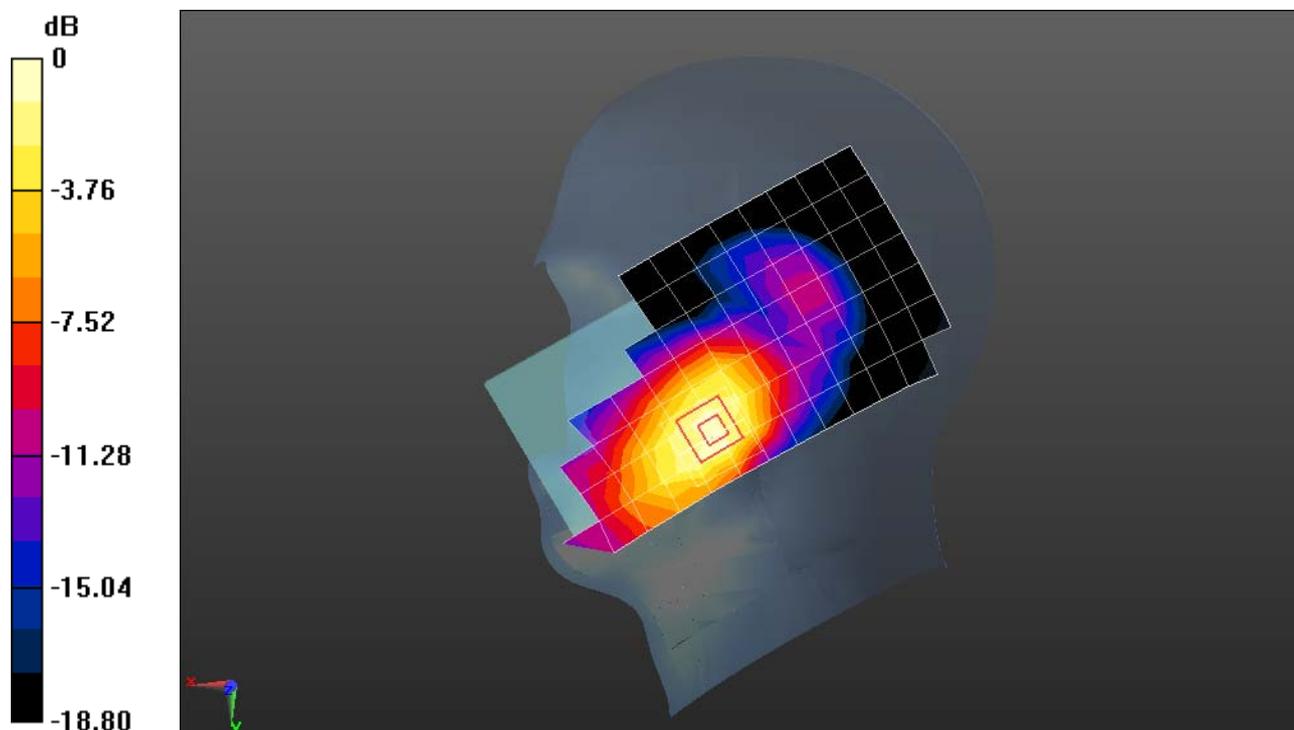
**Configuration/Head/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 7.202 V/m; Power Drift = 0.18 dB

Peak SAR (extrapolated) = 0.963 W/kg

**SAR(1 g) = 0.622 W/kg; SAR(10 g) = 0.385 W/kg**Info: [Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.843 W/kg



0 dB = 0.843 W/kg = -0.74 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

**MHA-L29 UMTS Band II 9400CH Back Side 15mm-Main Antenna****DUT: MHA-L29; Type: Smart Phone; Serial: SAR2**

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

Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.543$  S/m;  $\epsilon_r = 52.917$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY Configuration:

- ⌘ Probe: EX3DV4 - SN3736; ConvF(7.15, 7.15, 7.15); Calibrated: 2016-4-26;
- ⌘ Sensor-Surface: 1.4mm (Mechanical Surface Detection),  $z = 1.0, 31.0$
- ⌘ Electronics: DAE4 Sn1236; Calibrated: 2015-11-23
- ⌘ Phantom: SAM3; Type: SAM; Serial: TP-1597
- ⌘ DASY52 52.8.8(1222);

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

Maximum value of SAR (measured) = 0.567 W/kg

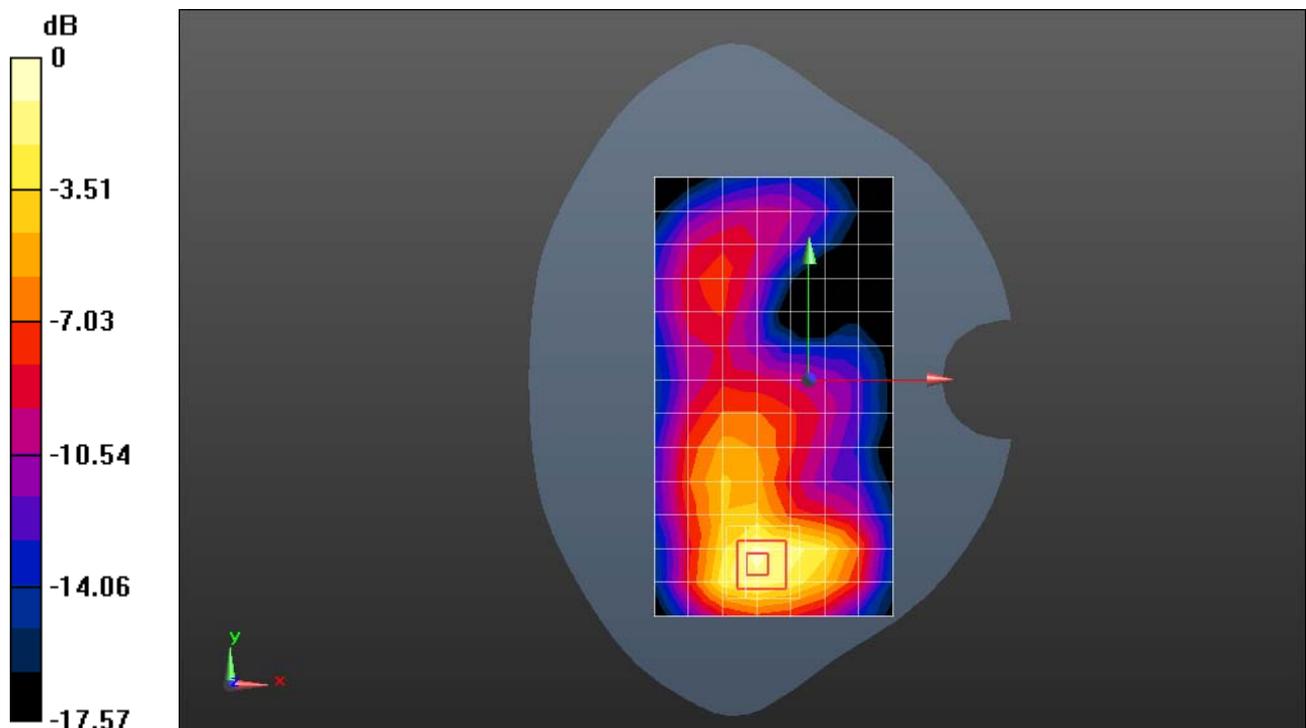
**Configuration/Body/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 6.559 V/m; Power Drift = 0.14 dB

Peak SAR (extrapolated) = 0.812 W/kg

**SAR(1 g) = 0.475 W/kg; SAR(10 g) = 0.266 W/kg**

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



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

Test Laboratory: HUAWEI SAR/HAC Lab

## MHA-L29 UMTS Band II 9538CH Bottom Side 10mm-Main Antenna

DUT: MHA-L29; Type: Smart Phone; Serial: SAR2

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

Medium parameters used:  $f = 1908$  MHz;  $\sigma = 1.567$  S/m;  $\epsilon_r = 52.842$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY Configuration:

- ⌘ Probe: EX3DV4 - SN3736; ConvF(7.15, 7.15, 7.15); Calibrated: 2016-4-26;
- ⌘ Sensor-Surface: 1.4mm (Mechanical Surface Detection),  $z = 1.0, 31.0$
- ⌘ Electronics: DAE4 Sn1236; Calibrated: 2015-11-23
- ⌘ Phantom: SAM3; Type: SAM; Serial: TP-1597
- ⌘ DASY52 52.8.8(1222);

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

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

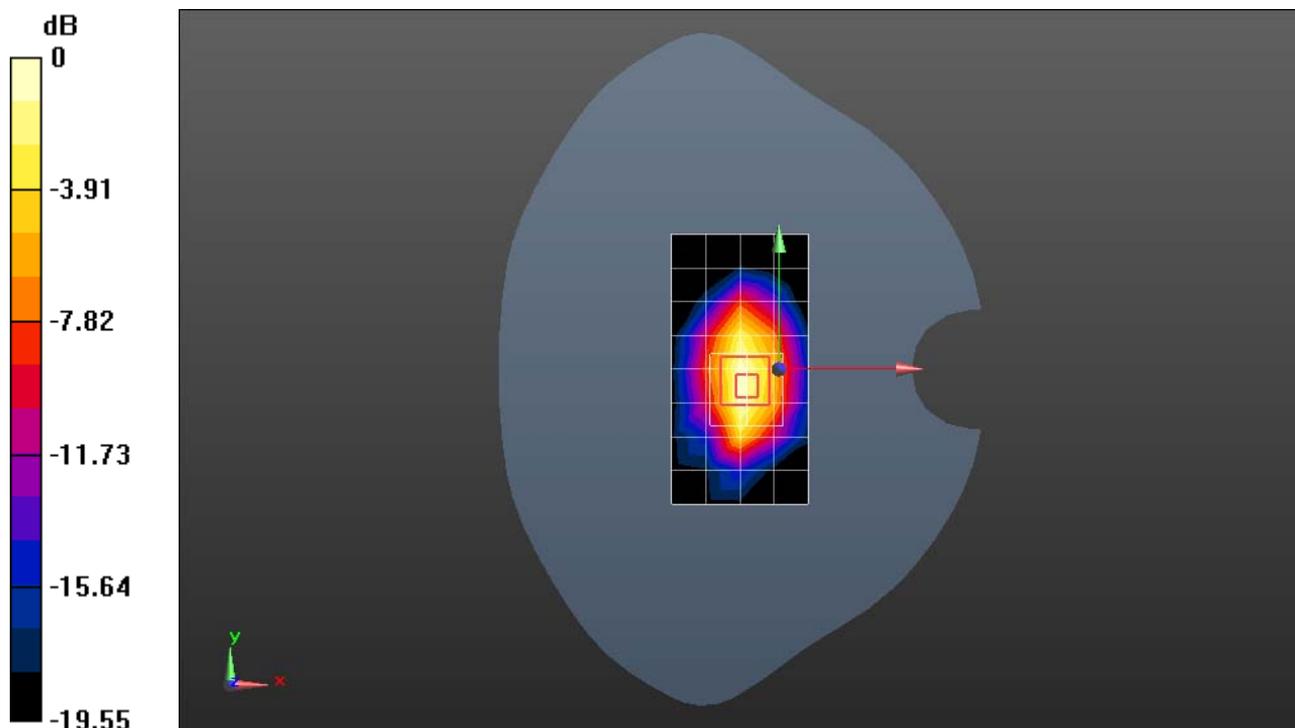
### Configuration/Body/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 27.17 V/m; Power Drift = -0.18 dB

Peak SAR (extrapolated) = 2.02 W/kg

**SAR(1 g) = 1.13 W/kg; SAR(10 g) = 0.603 W/kg**

Maximum value of SAR (measured) = 1.71 W/kg



0 dB = 1.71 W/kg = 2.33 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

**MHA-L29 UMTS Band II 9538CH Back Side 0mm-Main Antenna-Repeated****DUT: MHA-L29; Type: Smart Phone; Serial: SAR2**

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

Medium parameters used:  $f = 1908$  MHz;  $\sigma = 1.567$  S/m;  $\epsilon_r = 52.842$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY Configuration:

- ⌘ Probe: EX3DV4 - SN3736; ConvF(7.15, 7.15, 7.15); Calibrated: 2016-4-26;
- ⌘ Sensor-Surface: 1.4mm (Mechanical Surface Detection),  $z = 1.0, 31.0$
- ⌘ Electronics: DAE4 Sn1236; Calibrated: 2015-11-23
- ⌘ Phantom: SAM3; Type: SAM; Serial: TP-1597
- ⌘ DASY52 52.8.8(1222);

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

Maximum value of SAR (measured) = 6.91 W/kg

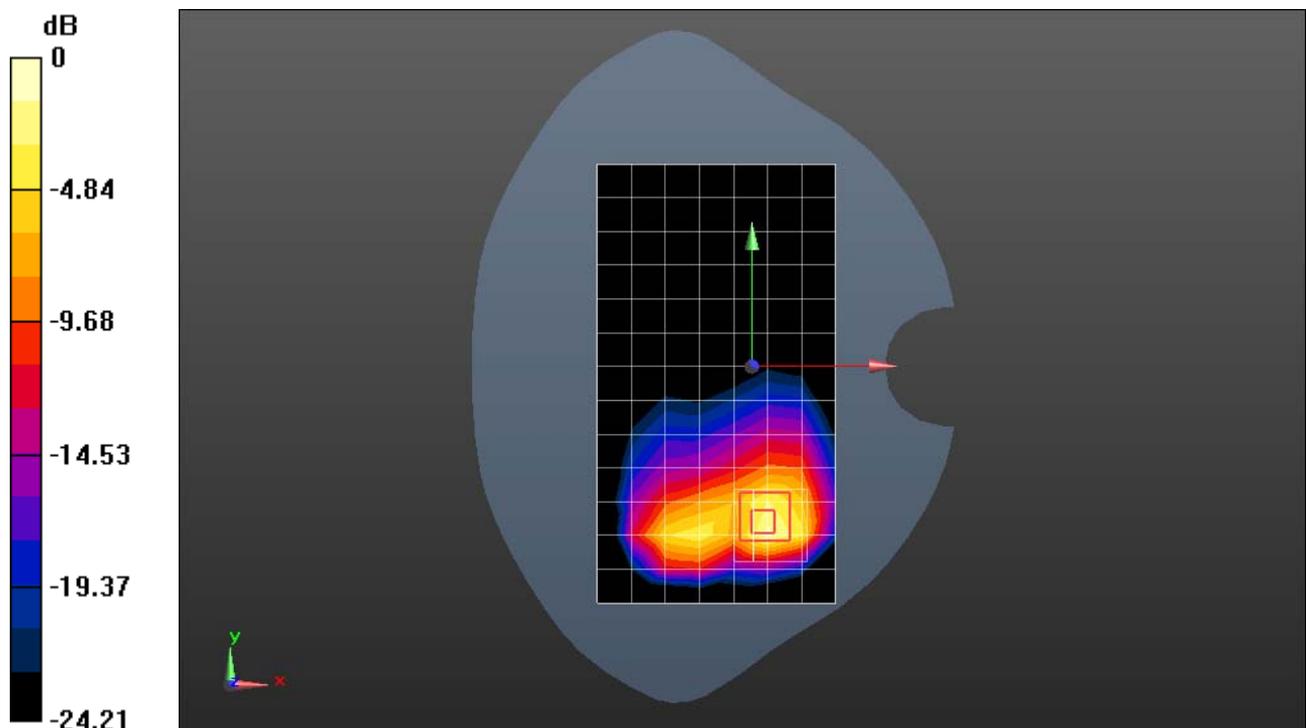
**Configuration/Body/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 3.205 V/m; Power Drift = 0.12 dB

Peak SAR (extrapolated) = 12.0 W/kg

**SAR(1 g) = 5.01 W/kg; SAR(10 g) = 2.11 W/kg**

Maximum value of SAR (measured) = 8.79 W/kg



0 dB = 8.79 W/kg = 9.44 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

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

DUT: MHA-L29; Type: Smart Phone; Serial: SAR2

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

Medium parameters used:  $f = 1753$  MHz;  $\sigma = 1.342$  S/m;  $\epsilon_r = 38.931$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Right Section

DASY Configuration:

- ε Probe: EX3DV4 - SN3744; ConvF(8.09, 8.09, 8.09); Calibrated: 2016-7-26;
- ε Sensor-Surface: 306mm (Mechanical Surface Detection),  $z = 1.0, 31.0$
- ε Electronics: DAE4 Sn1236; Calibrated: 2015-11-23
- ε Phantom: SAM4; Type: SAM; Serial: TP-1620
- ε DASY52 52.8.8(1222);

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

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

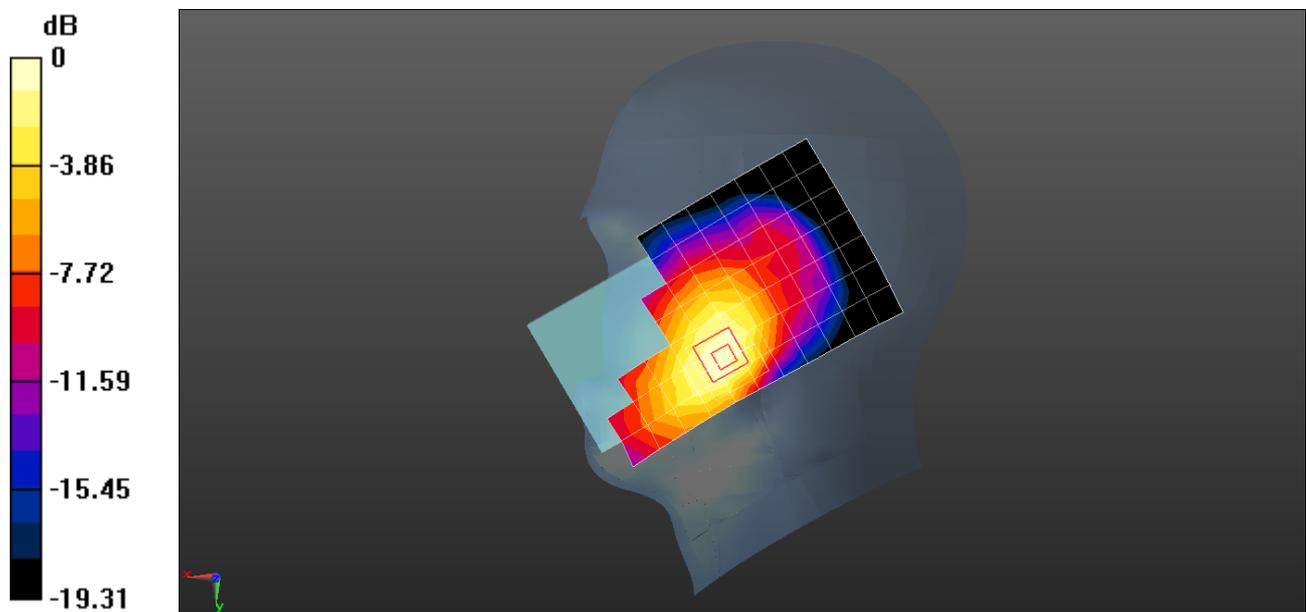
**Configuration/Head/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 6.804 V/m; Power Drift = 0.14 dB

Peak SAR (extrapolated) = 0.966 W/kg

**SAR(1 g) = 0.656 W/kg; SAR(10 g) = 0.423 W/kg**

Maximum value of SAR (measured) = 0.756 W/kg



0 dB = 0.756 W/kg = -1.21 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

## MHA-L29 UMTS Band IV 1413CH Front side 15mm-Main Antenna

DUT: MHA-L29; Type: Smart Phone; Serial: SAR2

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

Medium parameters used:  $f = 1733$  MHz;  $\sigma = 1.416$  S/m;  $\epsilon_r = 51.786$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY Configuration:

- ε Probe: EX3DV4 - SN3744; ConvF(7.61, 7.61, 7.61); Calibrated: 2016-7-26;
- ε Sensor-Surface: 1.4mm (Mechanical Surface Detection),  $z = 1.0, 31.0$
- ε Electronics: DAE4 Sn1236; Calibrated: 2015-11-23
- ε Phantom: SAM3; Type: SAM; Serial: TP-1597
- ε DASY52 52.8.8(1222);

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

Maximum value of SAR (measured) = 0.423 W/kg

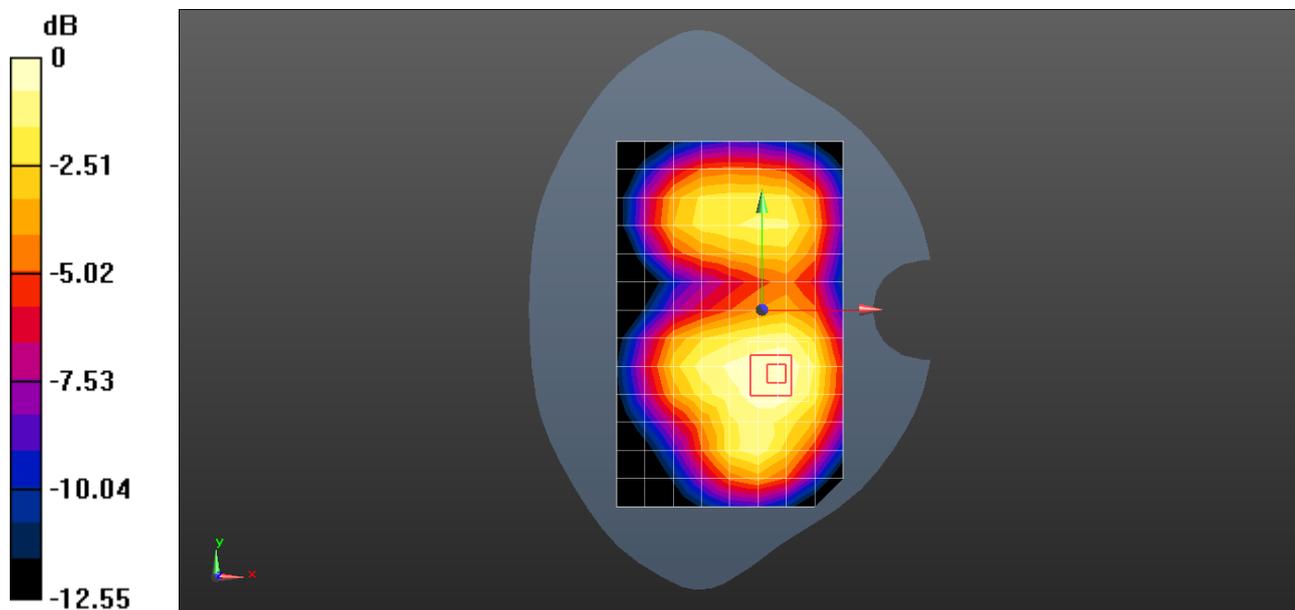
**Configuration/Body/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 10.29 V/m; Power Drift = -0.09 dB

Peak SAR (extrapolated) = 0.493 W/kg

**SAR(1 g) = 0.333 W/kg; SAR(10 g) = 0.228 W/kg**

Maximum value of SAR (measured) = 0.436 W/kg



0 dB = 0.436 W/kg = -3.61 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

**MHA-L29 UMTS Band IV 1413CH Back side 10mm-Main Antenna****DUT: MHA-L29; Type: Smart Phone; Serial: SAR2**

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

Medium parameters used:  $f = 1733$  MHz;  $\sigma = 1.416$  S/m;  $\epsilon_r = 51.786$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY Configuration:

- ⌄ Probe: EX3DV4 - SN3744; ConvF(7.61, 7.61, 7.61); Calibrated: 2016-7-26;
- ⌄ Sensor-Surface: 1.4mm (Mechanical Surface Detection),  $z = 1.0, 31.0$
- ⌄ Electronics: DAE4 Sn1236; Calibrated: 2015-11-23
- ⌄ Phantom: SAM3; Type: SAM; Serial: TP-1597
- ⌄ DASY52 52.8.8(1222);

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

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

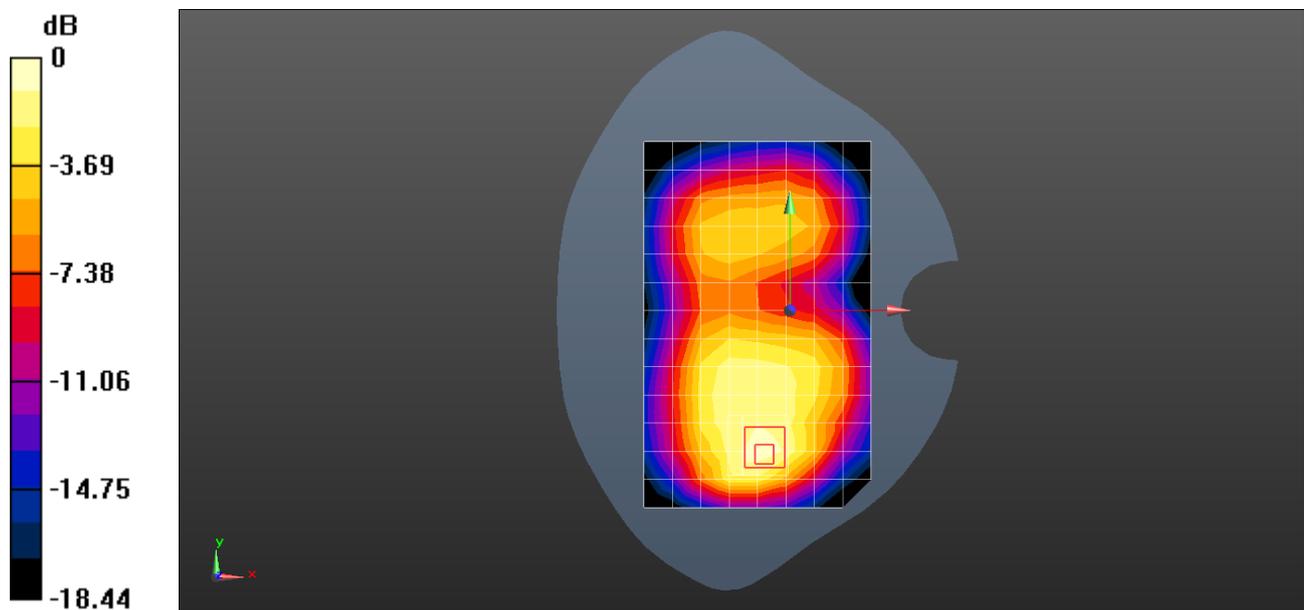
**Configuration/Body/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 11.03 V/m; Power Drift = 0.00 dB

Peak SAR (extrapolated) = 1.00 W/kg

**SAR(1 g) = 0.604 W/kg; SAR(10 g) = 0.370 W/kg**

Maximum value of SAR (measured) = 0.825 W/kg



Test Laboratory: HUAWEI SAR/HAC Lab

**MHA-L29 UMTS Band V 4233CH Right touch-Main Antenna****DUT: MHA-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;  $\sigma = 0.925$  S/m;  $\epsilon_r = 40.385$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Right Section

DASY Configuration:

- ⌘ Probe: EX3DV4 - SN3744; ConvF(8.86, 8.86, 8.86); Calibrated: 2016-7-26;
- ⌘ Sensor-Surface: 1.4mm (Mechanical Surface Detection),  $z = 1.0, 31.0$
- ⌘ Electronics: DAE4 Sn1236; Calibrated: 2015-11-23
- ⌘ Phantom: SAM4; Type: SAM; Serial: TP-1620
- ⌘ DASY52 52.8.8(1222);

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

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

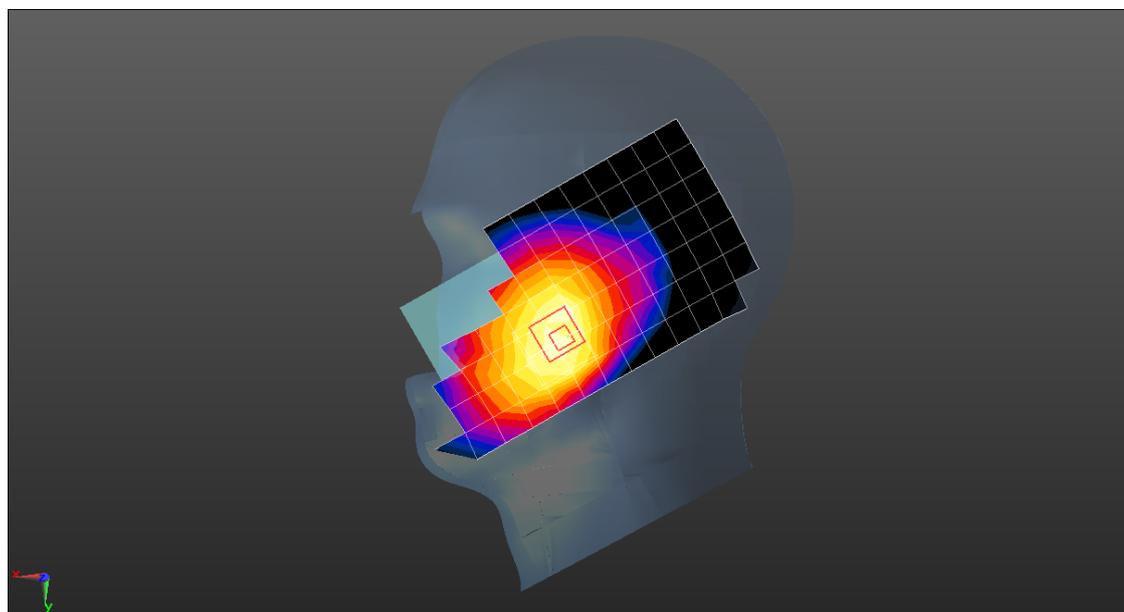
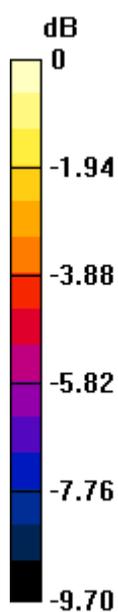
**Configuration/Head/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 9.211 V/m; Power Drift = 0.15 dB

Peak SAR (extrapolated) = 0.503 W/kg

**SAR(1 g) = 0.374 W/kg; SAR(10 g) = 0.281 W/kg**

Maximum value of SAR (measured) = 0.458 W/kg



0 dB = 0.458 W/kg = -3.39 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

## MHA-L29 UMTS Band V 4182CH Back Side 15mm-Main Antenna

**DUT: MHA-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;  $\sigma = 0.995$  S/m;  $\epsilon_r = 54.326$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY Configuration:

- ⌵ Probe: EX3DV4 - SN3736; ConvF(9.08, 9.08, 9.08); Calibrated: 2016-4-26;
- ⌵ Sensor-Surface: 1.4mm (Mechanical Surface Detection),  $z = 1.0, 31.0$
- ⌵ Electronics: DAE4 Sn1236; Calibrated: 2015-11-23
- ⌵ Phantom: SAM3; Type: SAM; Serial: TP-1597
- ⌵ DASY52 52.8.8(1222);

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

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 0.406 W/kg

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

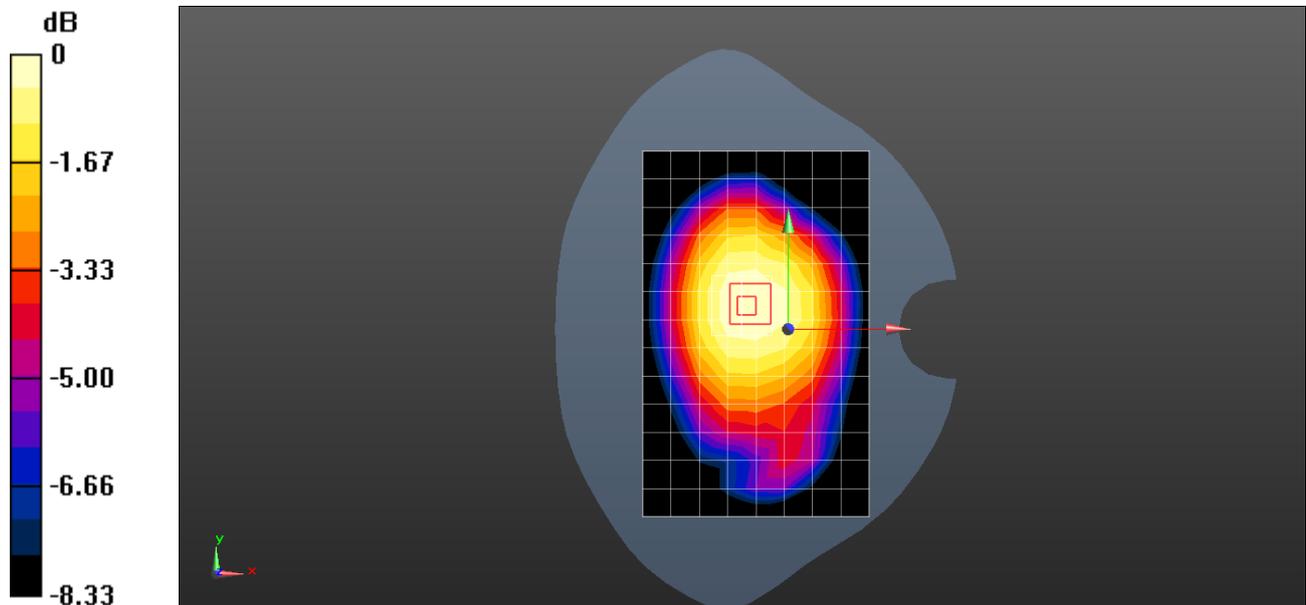
Reference Value = 20.86 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 0.454 W/kg

**SAR(1 g) = 0.344 W/kg; SAR(10 g) = 0.262 W/kg**

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 0.417 W/kg



0 dB = 0.417 W/kg = -3.80 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

## MHA-L29 UMTS Band V 4182CH Right Side 10mm-Main Antenna

DUT: MHA-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;  $\sigma = 0.995$  S/m;  $\epsilon_r = 54.326$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY Configuration:

- ⌘ Probe: EX3DV4 - SN3736; ConvF(9.08, 9.08, 9.08); Calibrated: 2016-4-26;
- ⌘ Sensor-Surface: 1.4mm (Mechanical Surface Detection),  $z = 1.0, 31.0$
- ⌘ Electronics: DAE4 Sn1236; Calibrated: 2015-11-23
- ⌘ Phantom: SAM3; Type: SAM; Serial: TP-1597
- ⌘ DASY52 52.8.8(1222);

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

Info: Interpolated medium parameters used for SAR evaluation.

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

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

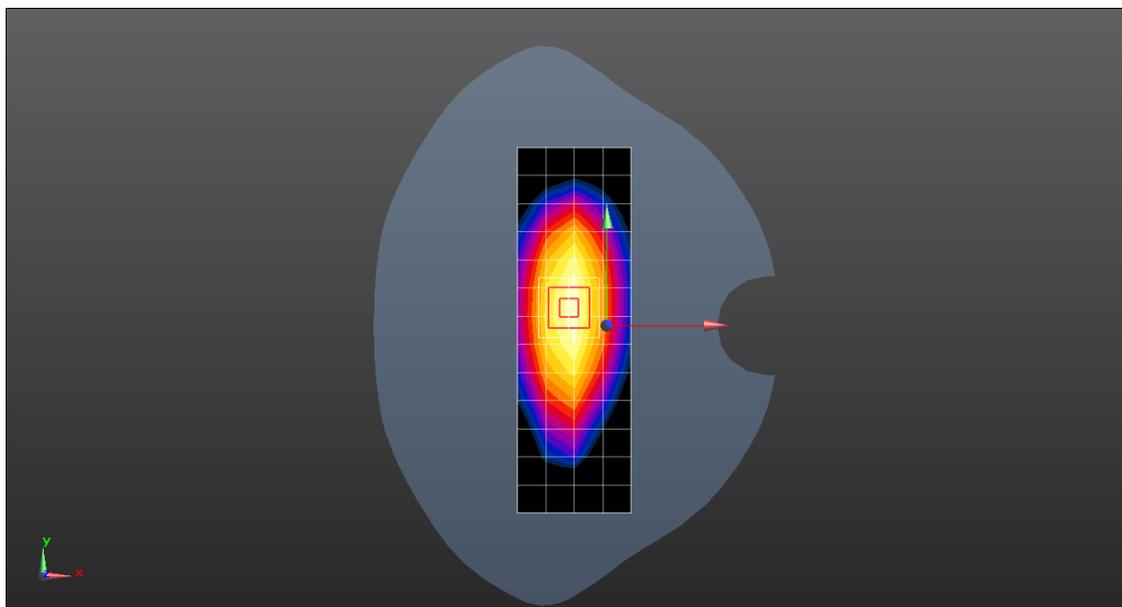
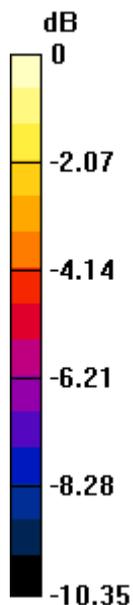
Reference Value = 28.81 V/m; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 0.893 W/kg

SAR(1 g) = 0.586 W/kg; SAR(10 g) = 0.391 W/kg

Info: Interpolated medium parameters used for SAR evaluation.

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



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

Test Laboratory: HUAWEI SAR/HAC Lab

## MHA-L29 LTE Band II 20M QPSK 1RB 50 offset 18700CH Right touch with Battery 2-Main Antenna

DUT: MHA-L29; Type: Smart Phone; Serial: SAR2

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

Medium parameters used:  $f = 1860$  MHz;  $\sigma = 1.382$  S/m;  $\epsilon_r = 39.815$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Right Section

DASY Configuration:

- ε Probe: ES3DV3 - SN3168; ConvF(5.13, 5.13, 5.13); Calibrated: 2015-9-28;
- ε Sensor-Surface: 3mm (Mechanical Surface Detection),  $z = 2.0, 32.0$
- ε Electronics: DAE4 Sn1236; Calibrated: 2015-11-23
- ε Phantom: SAM4; Type: SAM; Serial: TP-1620
- ε DASY52 52.8.8(1222);

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

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

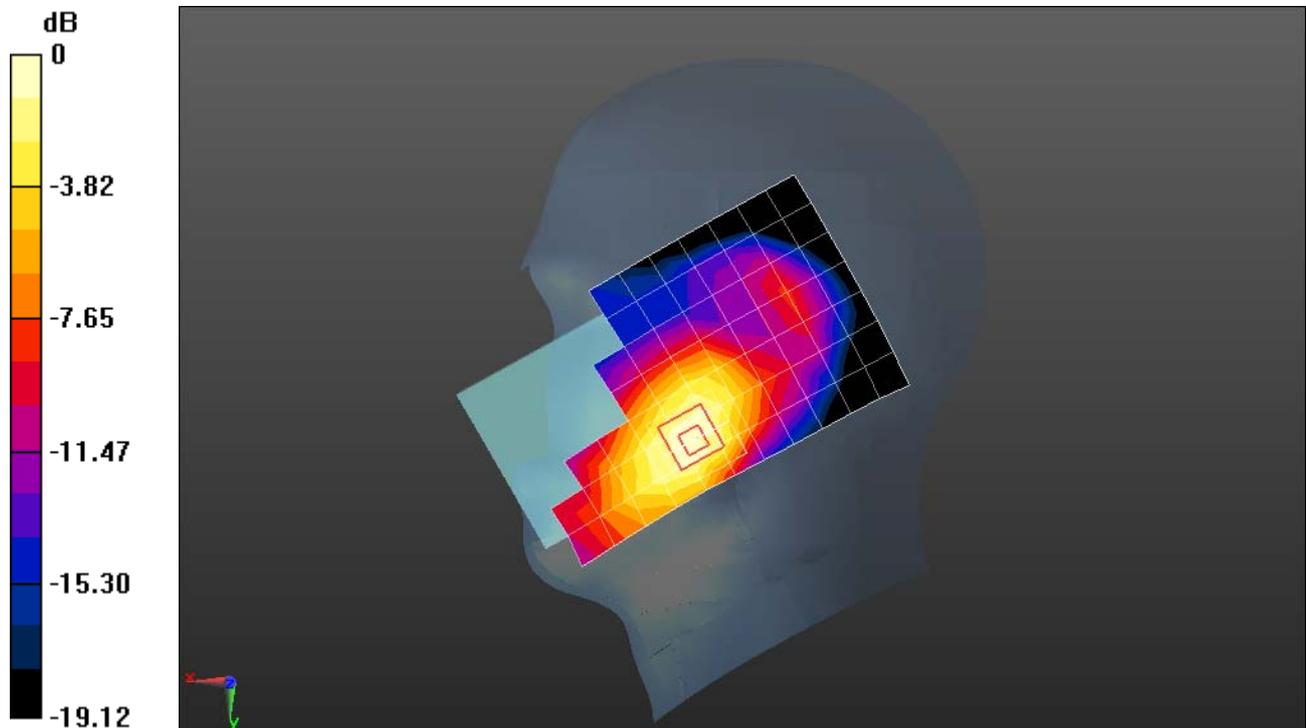
### Configuration/Head/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 8.029 V/m; Power Drift = 0.14 dB

Peak SAR (extrapolated) = 0.742 W/kg

SAR(1 g) = 0.494 W/kg; SAR(10 g) = 0.312 W/kg

Maximum value of SAR (measured) = 0.577 W/kg



0 dB = 0.577 W/kg = -2.39 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

## MHA-L29 LTE Band II 20M QPSK 1RB 50 offset 18900CH Back Side 15mm with Battery 2-Main Antenna

DUT: MHA-L29; Type: Smart Phone; Serial: SAR2

Communication System: UID 0, LTE-FDD (SC-FDMA, 20MHz, QPSK/16-QAM) (0); Frequency: 1880 MHz; Duty Cycle: 1:1  
 Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.524$  S/m;  $\epsilon_r = 51.429$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
 Phantom section: Flat Section

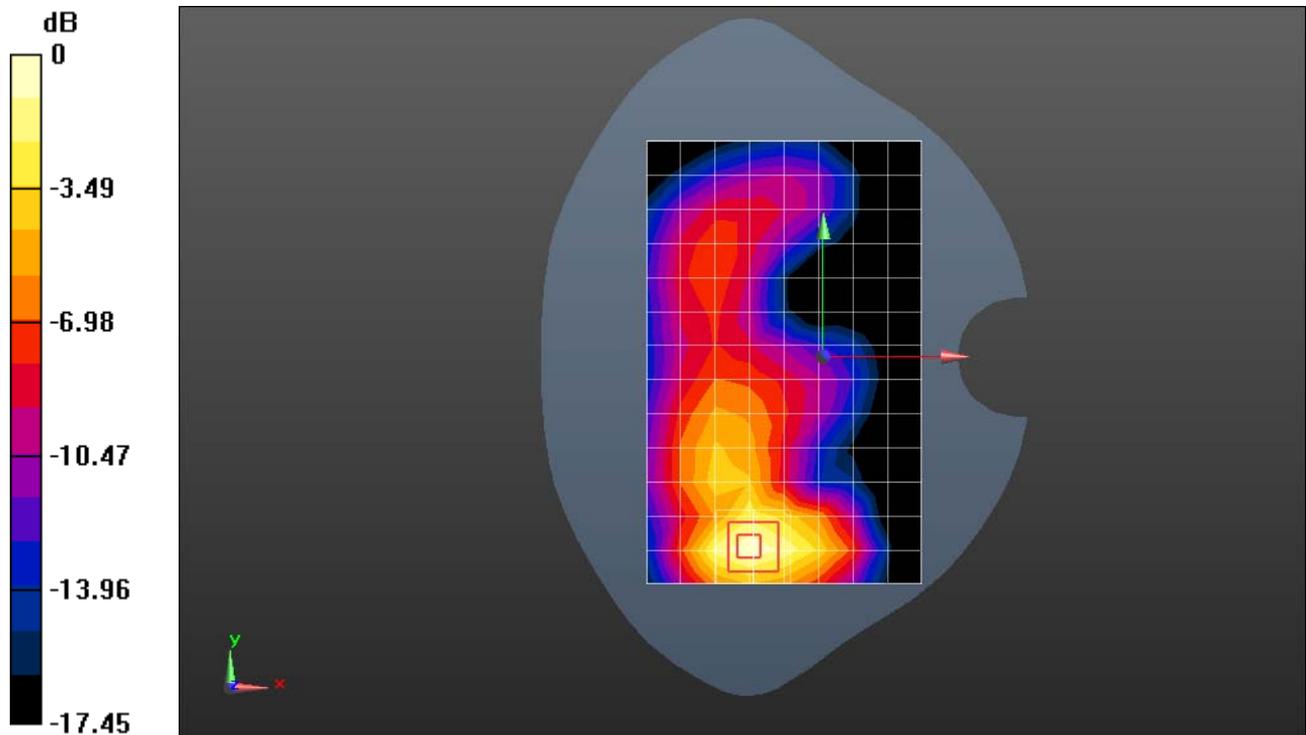
DASY Configuration:

- ⌘ Probe: EX3DV4 - SN3736; ConvF(7.15, 7.15, 7.15); Calibrated: 2016-4-26;
- ⌘ Sensor-Surface: 1.4mm (Mechanical Surface Detection),  $z = 1.0, 31.0$
- ⌘ Electronics: DAE4 Sn1236; Calibrated: 2015-11-23
- ⌘ Phantom: SAM3; Type: SAM; Serial: TP-1597
- ⌘ DASY52 52.8.8(1222);

**Configuration/Body/Area Scan (9x14x1):** Measurement grid:  $dx=15$ mm,  $dy=15$ mm  
 Maximum value of SAR (measured) = 0.737 W/kg

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

Reference Value = 7.387 V/m; Power Drift = 0.15 dB  
 Peak SAR (extrapolated) = 0.886 W/kg  
**SAR(1 g) = 0.525 W/kg; SAR(10 g) = 0.295 W/kg**  
 Maximum value of SAR (measured) = 0.754 W/kg



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

Test Laboratory: HUAWEI SAR/HAC Lab

## MHA-L29 LTE Band II 20M QPSK 1 RB 50 offset 18700CH Bottom Side 10mm -Main Antenna

DUT: MHA-L29; Type: Smart Phone; Serial: SAR2

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

Medium parameters used:  $f = 1860$  MHz;  $\sigma = 1.505$  S/m;  $\epsilon_r = 51.539$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY Configuration:

- ε Probe: EX3DV4 - SN3736; ConvF(7.15, 7.15, 7.15); Calibrated: 2016-4-26;
- ε Sensor-Surface: 1.4mm (Mechanical Surface Detection),  $z = 1.0, 31.0$
- ε Electronics: DAE4 Sn1236; Calibrated: 2015-11-23
- ε Phantom: SAM3; Type: SAM; Serial: TP-1597
- ε DASY52 52.8.8(1222);

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

Maximum value of SAR (measured) = 1.51 W/kg

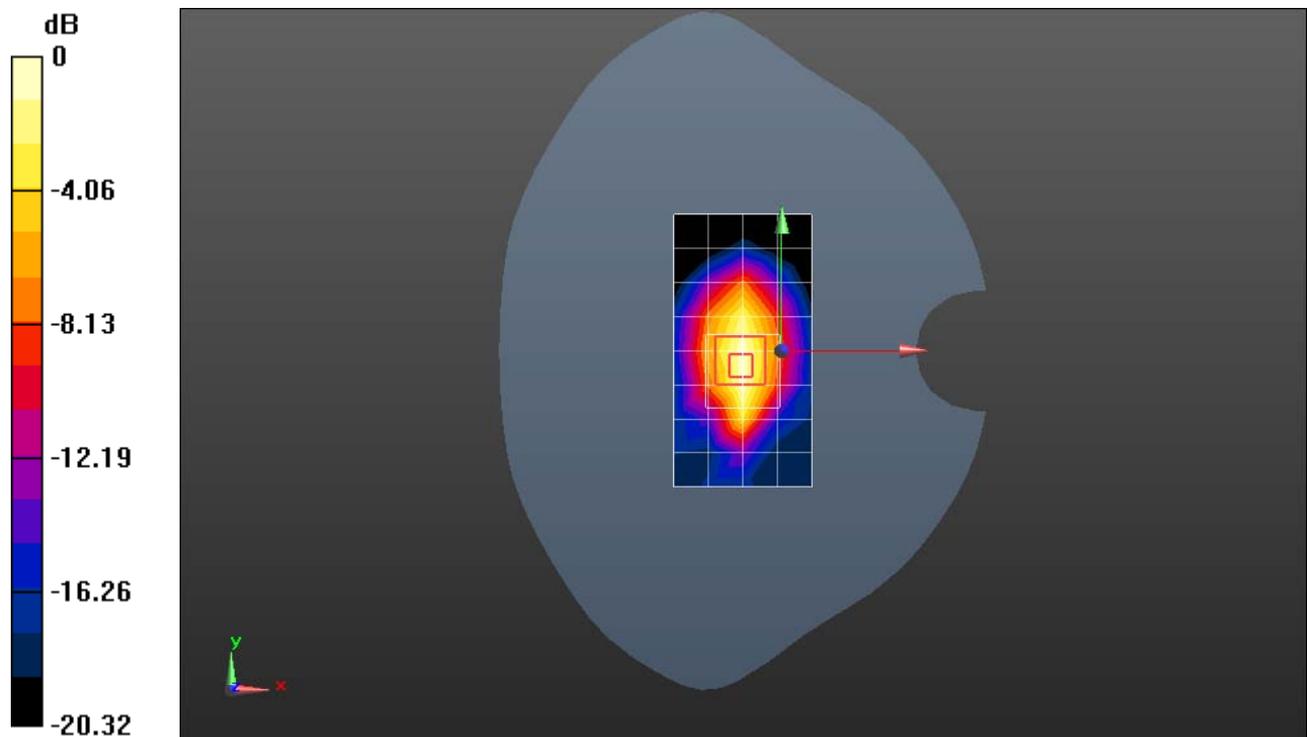
### Configuration/Body/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 32.99 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 1.92 W/kg

SAR(1 g) = 1.06 W/kg; SAR(10 g) = 0.563 W/kg

Maximum value of SAR (measured) = 1.62 W/kg



0 dB = 1.62 W/kg = 2.10 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

## MHA-L29 LTE Band II 20M QPSK 1RB 50 offset 18900CH Bottom Side 0mm-Main Antenna

DUT: MHA-L29; Type: Smart Phone; Serial: SAR2

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

Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.524$  S/m;  $\epsilon_r = 51.429$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY Configuration:

ε Probe: EX3DV4 - SN3736; ConvF(7.15, 7.15, 7.15); Calibrated: 2016-4-26;

ε Sensor-Surface: 1.4mm (Mechanical Surface Detection),  $z = 1.0, 31.0$ 

ε Electronics: DAE4 Sn1236; Calibrated: 2015-11-23

ε Phantom: SAM3; Type: SAM; Serial: TP-1597

ε DASY52 52.8.8(1222);

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

Maximum value of SAR (measured) = 1.62 W/kg

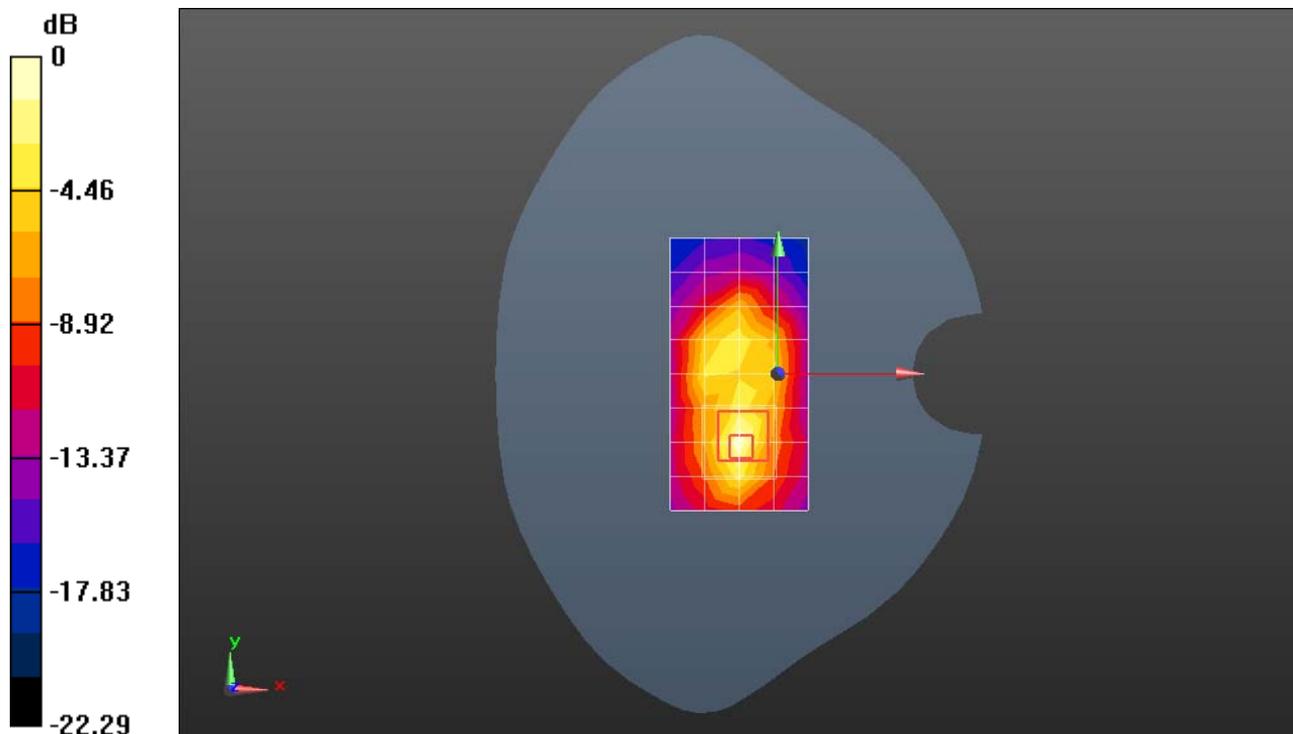
### Configuration/Body/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 20.87 V/m; Power Drift = -0.15 dB

Peak SAR (extrapolated) = 2.06 W/kg

SAR(1 g) = 0.670 W/kg; SAR(10 g) = 0.293 W/kg

Maximum value of SAR (measured) = 1.72 W/kg



0 dB = 1.72 W/kg = 2.34 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

## MHA-L29 LTE Band IV 20M QPSK 1RB 50 offset 20300CH Right touch-Main Antenna

DUT: MHA-L29; Type: Smart Phone; Serial: SAR2

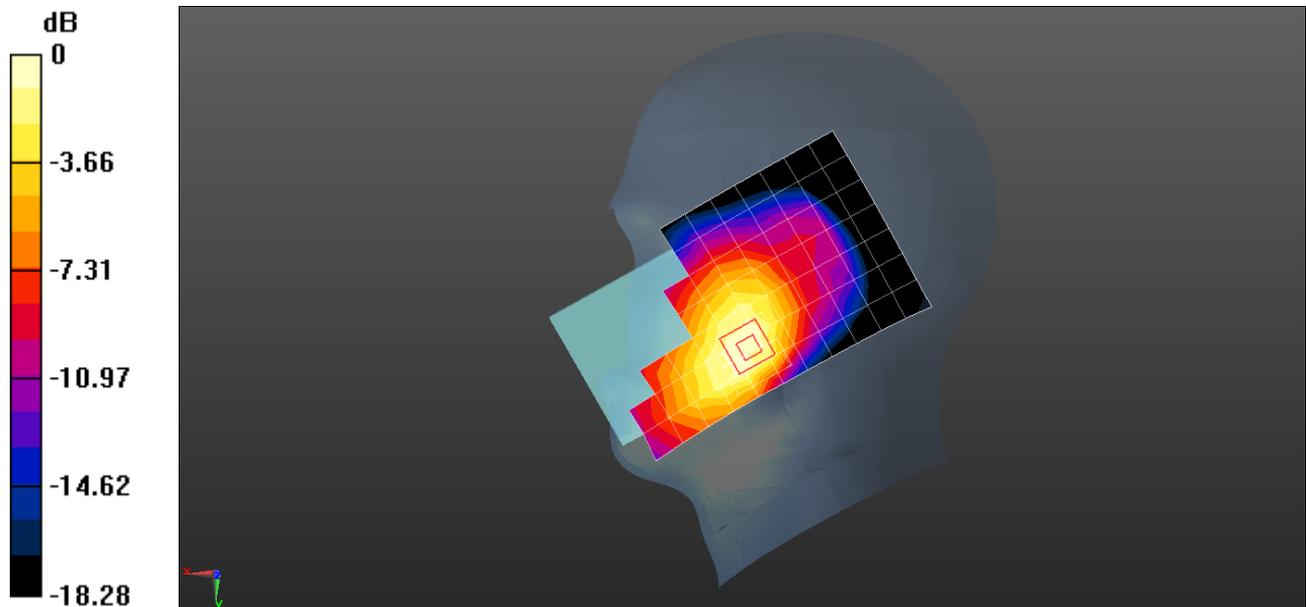
Communication System: UID 0, LTE-FDD (SC-FDMA, 20MHz, QPSK/16-QAM) (0); Frequency: 1745 MHz; Duty Cycle: 1:1  
 Medium parameters used:  $f = 1745$  MHz;  $\sigma = 1.352$  S/m;  $\epsilon_r = 40.556$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
 Phantom section: Right Section

DASY Configuration:

- ε Probe: EX3DV4 - SN3744; ConvF(8.09, 8.09, 8.09); Calibrated: 2016-7-26;
- ε Sensor-Surface: 1.4mm (Mechanical Surface Detection),  $z = 1.0, 31.0$
- ε Electronics: DAE4 Sn1236; Calibrated: 2015-11-23
- ε Phantom: SAM4; Type: SAM; Serial: TP-1620
- ε DASY52 52.8.8(1222);

**Configuration/Head/Area Scan (8x14x1):** Measurement grid:  $dx=15$ mm,  $dy=15$ mm  
 Maximum value of SAR (measured) = 0.679 W/kg

**Configuration/Head/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm  
 Reference Value = 6.743 V/m; Power Drift = 0.17 dB  
 Peak SAR (extrapolated) = 0.844 W/kg  
**SAR(1 g) = 0.569 W/kg; SAR(10 g) = 0.369 W/kg**  
 Maximum value of SAR (measured) = 0.746 W/kg



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

Test Laboratory: HUAWEI SAR/HAC Lab

## MHA-L29 LTE Band IV 20M QPSK 1RB 50 offset 20300CH Front side 15mm with Battery 3-Main Antenna

DUT: MHA-L29; Type: Smart Phone; Serial: SAR2

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

Medium parameters used:  $f = 1745$  MHz;  $\sigma = 1.428$  S/m;  $\epsilon_r = 51.728$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY Configuration:

- ε Probe: EX3DV4 - SN3744; ConvF(7.61, 7.61, 7.61); Calibrated: 2016-7-26;
- ε Sensor-Surface: 1.4mm (Mechanical Surface Detection),  $z = 1.0, 31.0$
- ε Electronics: DAE4 Sn1236; Calibrated: 2015-11-23
- ε Phantom: SAM3; Type: SAM; Serial: TP-1597
- ε DASY52 52.8.8(1222);

**Configuration/Body/Area Scan (9x14x1):** Measurement grid:  $dx=15$ mm,  $dy=15$ mm  
 Maximum value of SAR (measured) = 0.365 W/kg

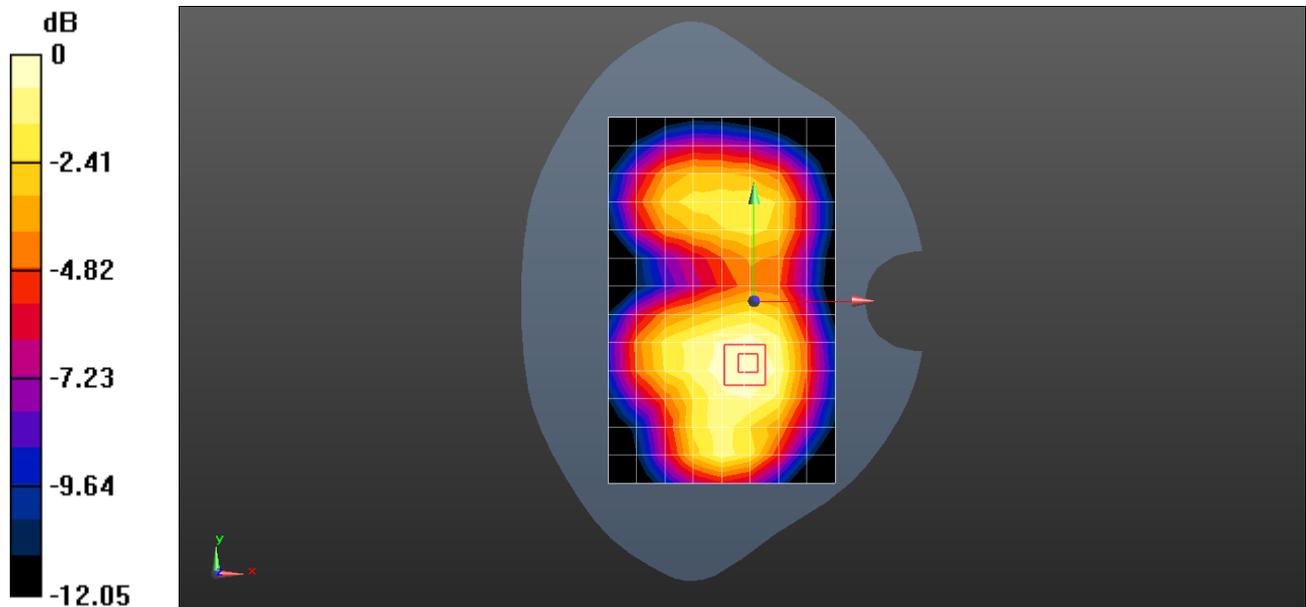
**Configuration/Body/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 10.57 V/m; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 0.416 W/kg

SAR(1 g) = 0.281 W/kg; SAR(10 g) = 0.191 W/kg

Maximum value of SAR (measured) = 0.367 W/kg



0 dB = 0.367 W/kg = -4.35 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

## MHA-L29 LTE Band IV 20M QPSK 1RB 50 offset 20300CH Back side 10mm with Battery 3-Main Antenna

DUT: MHA-L29; Type: Smart Phone; Serial: SAR2

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

Medium parameters used:  $f = 1745$  MHz;  $\sigma = 1.428$  S/m;  $\epsilon_r = 51.728$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY Configuration:

ε Probe: EX3DV4 - SN3744; ConvF(7.61, 7.61, 7.61); Calibrated: 2016-7-26;

ε Sensor-Surface: 1.4mm (Mechanical Surface Detection),  $z = 1.0, 31.0$ 

ε Electronics: DAE4 Sn1236; Calibrated: 2015-11-23

ε Phantom: SAM3; Type: SAM; Serial: TP-1597

ε DASY52 52.8.8(1222);

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

Maximum value of SAR (measured) = 0.685 W/kg

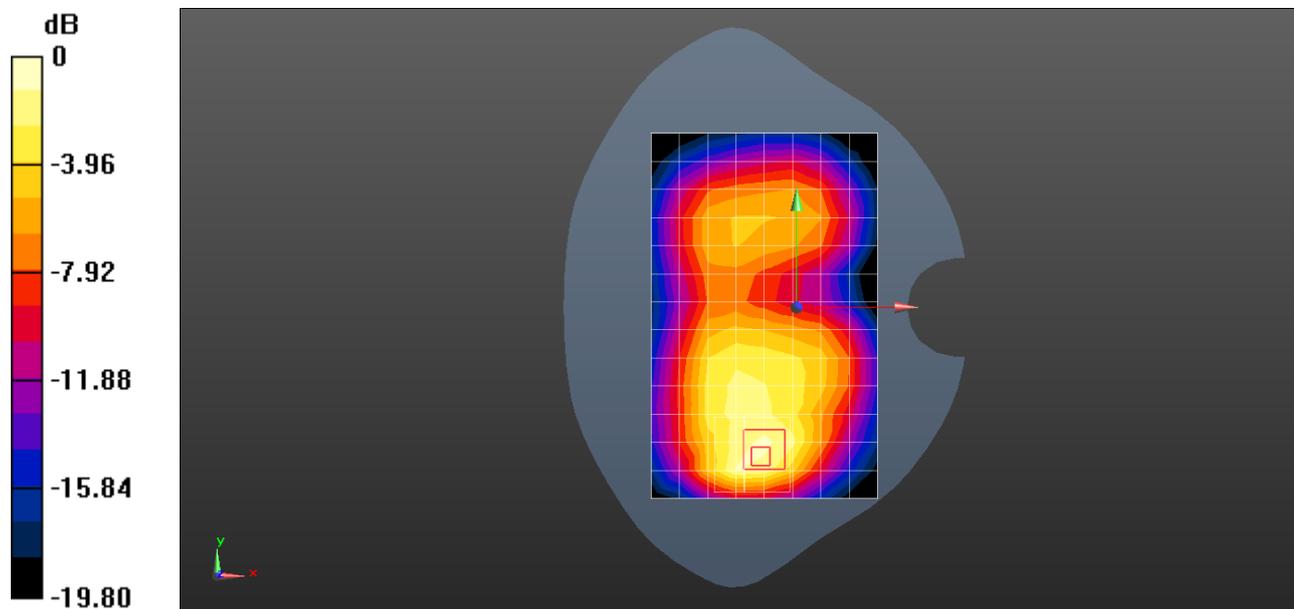
### Configuration/Body/Zoom Scan (6x6x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 10.14 V/m; Power Drift = 0.07 dB

Peak SAR (extrapolated) = 1.05 W/kg

SAR(1 g) = 0.583 W/kg; SAR(10 g) = 0.345 W/kg

Maximum value of SAR (measured) = 0.849 W/kg



Test Laboratory: HUAWEI SAR/HAC Lab

## MHA-L29LTE Band V 10M QPSK 1RB 25 offset 20600CH Right touch-Main Antenna

DUT: MHA-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;  $\sigma = 0.922$  S/m;  $\epsilon_r = 40.557$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Right Section

DASY Configuration:

- ε Probe: EX3DV4 - SN3736; ConvF(9.17, 9.17, 9.17); Calibrated: 2016-4-26;
- ε Sensor-Surface: 1.4mm (Mechanical Surface Detection),  $z = 1.0, 31.0$
- ε Electronics: DAE4 Sn1236; Calibrated: 2015-11-23
- ε Phantom: SAM4; Type: SAM; Serial: TP-1620
- ε DASY52 52.8.8(1222);

**Configuration/Head/Area Scan (9x14x1):** Measurement grid:  $dx=15$ mm,  $dy=15$ mm  
 Maximum value of SAR (measured) = 0.378 W/kg

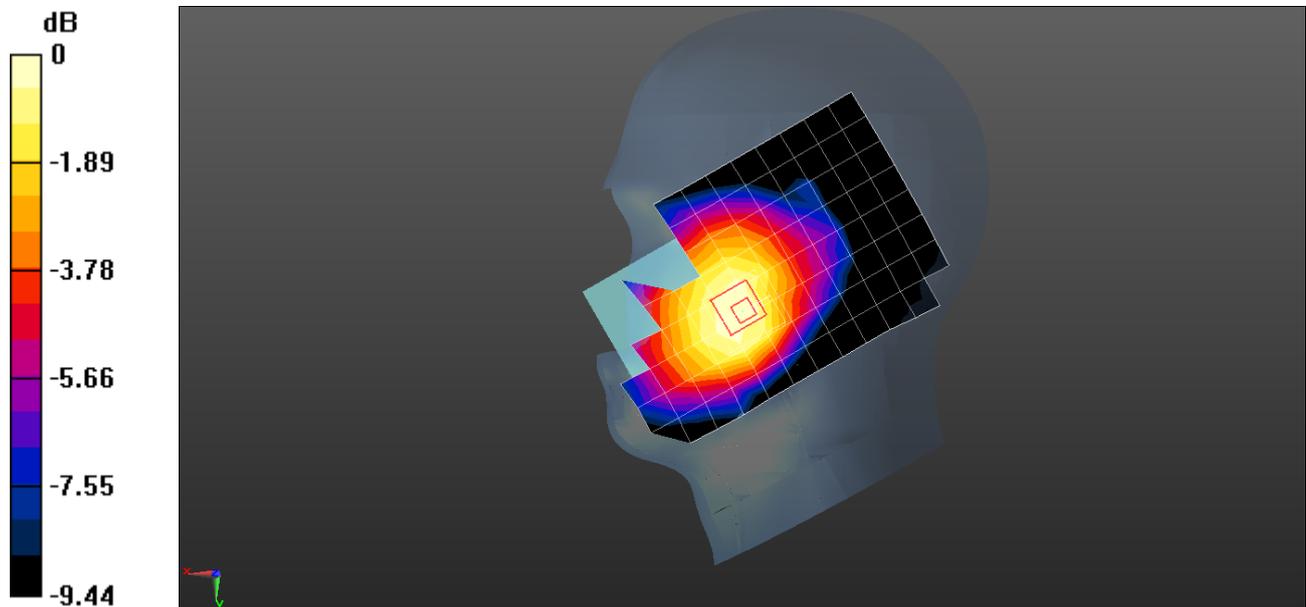
**Configuration/Head/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 7.919 V/m; Power Drift = 0.11 dB

Peak SAR (extrapolated) = 0.434 W/kg

SAR(1 g) = 0.320 W/kg; SAR(10 g) = 0.242 W/kg

Maximum value of SAR (measured) = 0.386 W/kg



0 dB = 0.386 W/kg = -4.13 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

## MHA-L29 LTE Band V 10M QPSK 1RB 25 offset 20600CH Back Side 15mm-Main Antenna

DUT: MHA-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;  $\sigma = 0.98$  S/m;  $\epsilon_r = 54.431$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY Configuration:

- ε Probe: EX3DV4 - SN3736; ConvF(9.08, 9.08, 9.08); Calibrated: 2016-4-26;
- ε Sensor-Surface: 1.4mm (Mechanical Surface Detection),  $z = 1.0, 31.0$
- ε Electronics: DAE4 Sn1236; Calibrated: 2015-11-23
- ε Phantom: SAM3; Type: SAM; Serial: TP-1597
- ε DASY52 52.8.8(1222);

**Configuration/Body/Area Scan (9x14x1):** Measurement grid:  $dx=15$ mm,  $dy=15$ mm  
 Maximum value of SAR (measured) = 0.353 W/kg

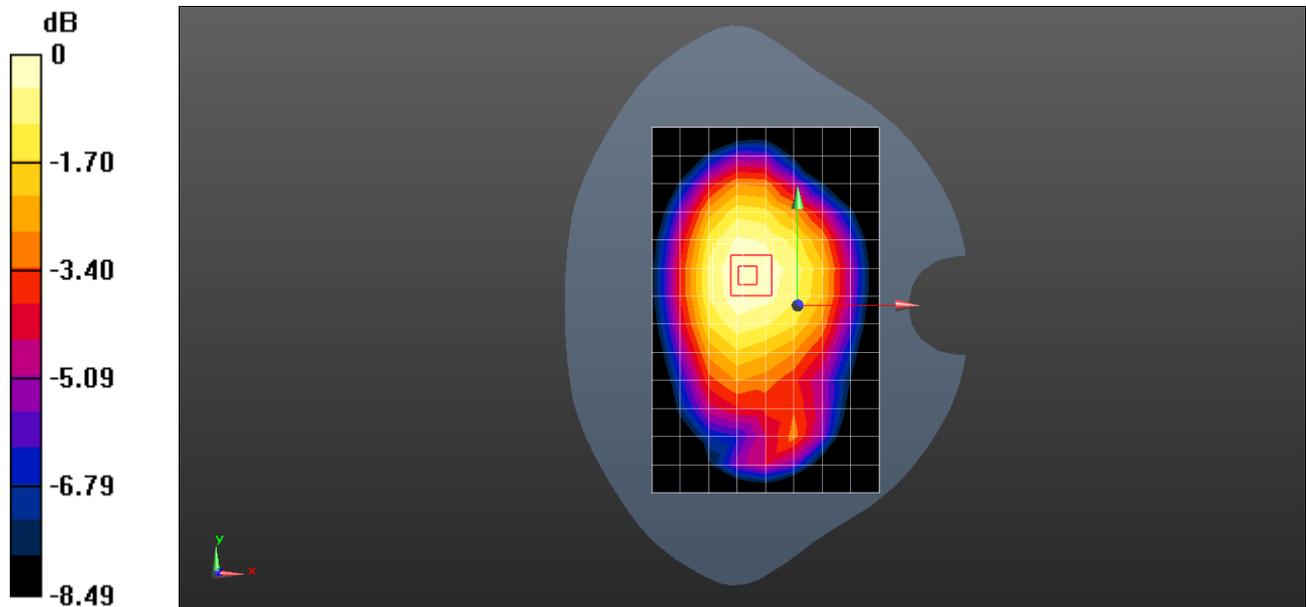
**Configuration/Body/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 16.74 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 0.387 W/kg

SAR(1 g) = 0.293 W/kg; SAR(10 g) = 0.222 W/kg

Maximum value of SAR (measured) = 0.356 W/kg



0 dB = 0.356 W/kg = -4.49 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

## MHA-L29 LTE Band V 10M QPSK 1RB 25 offset 20600CH Right Side 10mm- Main Antenna

DUT: MHA-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;  $\sigma = 0.98$  S/m;  $\epsilon_r = 54.431$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY Configuration:

- ε Probe: EX3DV4 - SN3736; ConvF(9.08, 9.08, 9.08); Calibrated: 2016-4-26;
- ε Sensor-Surface: 1.4mm (Mechanical Surface Detection),  $z = 1.0, 31.0$
- ε Electronics: DAE4 Sn1236; Calibrated: 2015-11-23
- ε Phantom: SAM3; Type: SAM; Serial: TP-1597
- ε DASY52 52.8.8(1222);

**Configuration/Body/Area Scan (5x14x1):** Measurement grid:  $dx=15$ mm,  $dy=15$ mm  
Maximum value of SAR (measured) = 0.602 W/kg

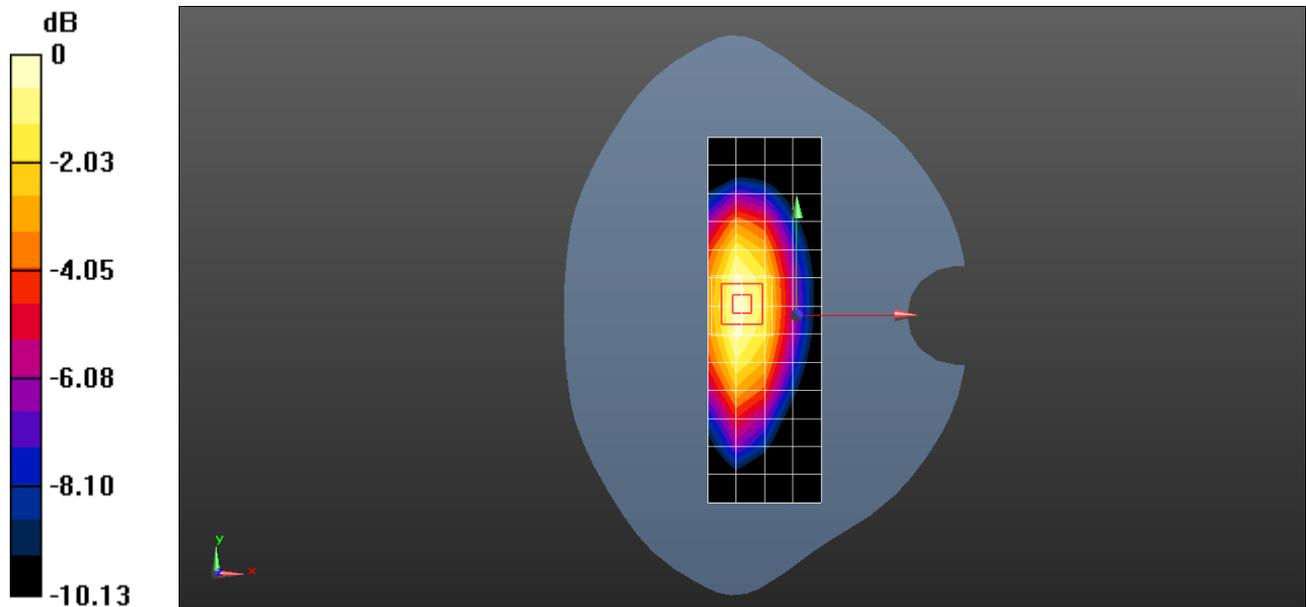
**Configuration/Body/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 19.53 V/m; Power Drift = 0.15 dB

Peak SAR (extrapolated) = 0.697 W/kg

SAR(1 g) = 0.467 W/kg; SAR(10 g) = 0.314 W/kg

Maximum value of SAR (measured) = 0.619 W/kg



0 dB = 0.619 W/kg = -2.08 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

## MHA-L29 LTE Band VII QPSK 20M 1RB 50 offset 21100CH Left touch-Main Antenna

DUT: MHA-L29; Type: Smart Phone; Serial: SAR1

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

Medium parameters used:  $f = 2535$  MHz;  $\sigma = 1.937$  S/m;  $\epsilon_r = 37.927$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Left Section

DASY Configuration:

- ε Probe: ES3DV3 - SN3168; ConvF(4.48, 4.48, 4.48); Calibrated: 2015-9-28;
- 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(1222);

**Configuration/Head/Area Scan (10x16x1):** Measurement grid:  $dx=12$ mm,  $dy=12$ mm  
 Maximum value of SAR (measured) = 0.377 W/kg

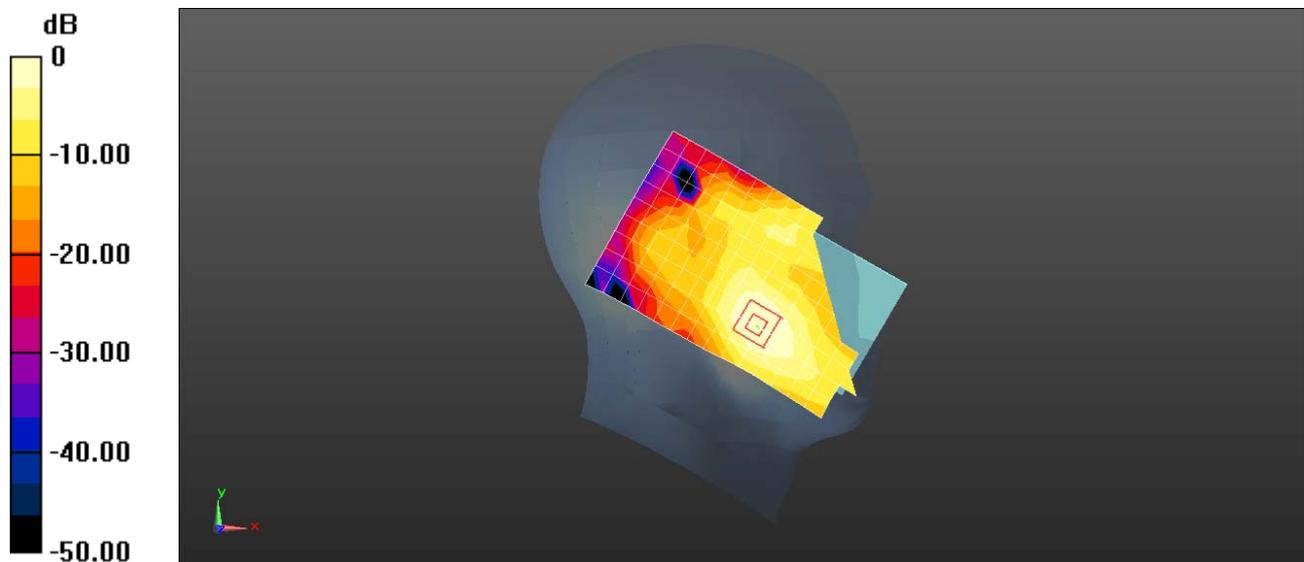
**Configuration/Head/Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

Reference Value = 3.333 V/m; Power Drift = 0.05 dB

Peak SAR (extrapolated) = 0.540 W/kg

SAR(1 g) = 0.320 W/kg; SAR(10 g) = 0.175 W/kg

Maximum value of SAR (measured) = 0.394 W/kg



0 dB = 0.377 W/kg = -4.24 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

## MHA-L29 LTE Band VII QPSK 20M 1RB 50 offset 21100CH Back Side 15mm- Main Antenna

DUT: MHA-L29; Type: Smart Phone; Serial: SAR1

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

Medium parameters used:  $f = 2535$  MHz;  $\sigma = 2.042$  S/m;  $\epsilon_r = 51.708$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY Configuration:

ε Probe: ES3DV3 - SN3168; ConvF(4.23, 4.23, 4.23); Calibrated: 2015-9-28;

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(1222);

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

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

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

Reference Value = 4.327 V/m; Power Drift = -0.00 dB

Peak SAR (extrapolated) = 0.542 W/kg

SAR(1 g) = 0.263 W/kg; SAR(10 g) = 0.123 W/kg

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

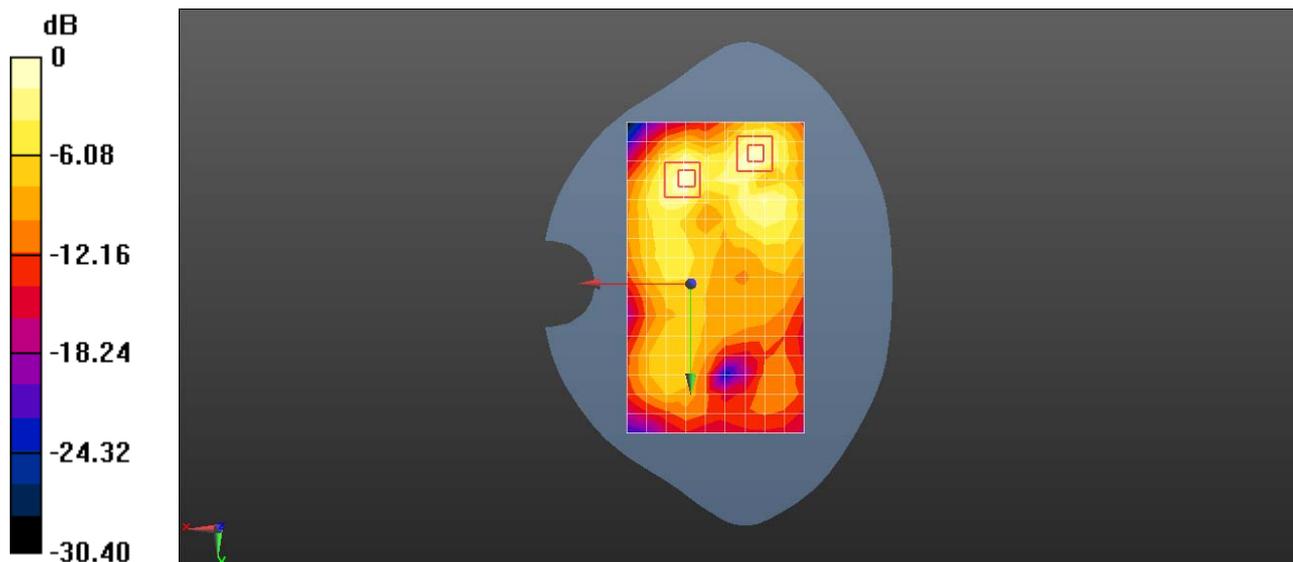
### Configuration/Body/Zoom Scan (7x7x7)/Cube 1: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 4.327 V/m; Power Drift = -0.00 dB

Peak SAR (extrapolated) = 0.485 W/kg

SAR(1 g) = 0.238 W/kg; SAR(10 g) = 0.111 W/kg

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



0 dB = 0.341 W/kg = -4.67 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

## MHA-L29 LTE Band VII QPSK 20M 1RB 50 offset 21100CH Bottom Side 10mm- Main Antenna

DUT: MHA-L29; Type: Smart Phone; Serial: SAR1

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

Medium parameters used:  $f = 2535$  MHz;  $\sigma = 2.042$  S/m;  $\epsilon_r = 51.708$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY Configuration:

- ε Probe: ES3DV3 - SN3168; ConvF(4.23, 4.23, 4.23); Calibrated: 2015-9-28;
- 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(1222);

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

Maximum value of SAR (measured) = 0.957 W/kg

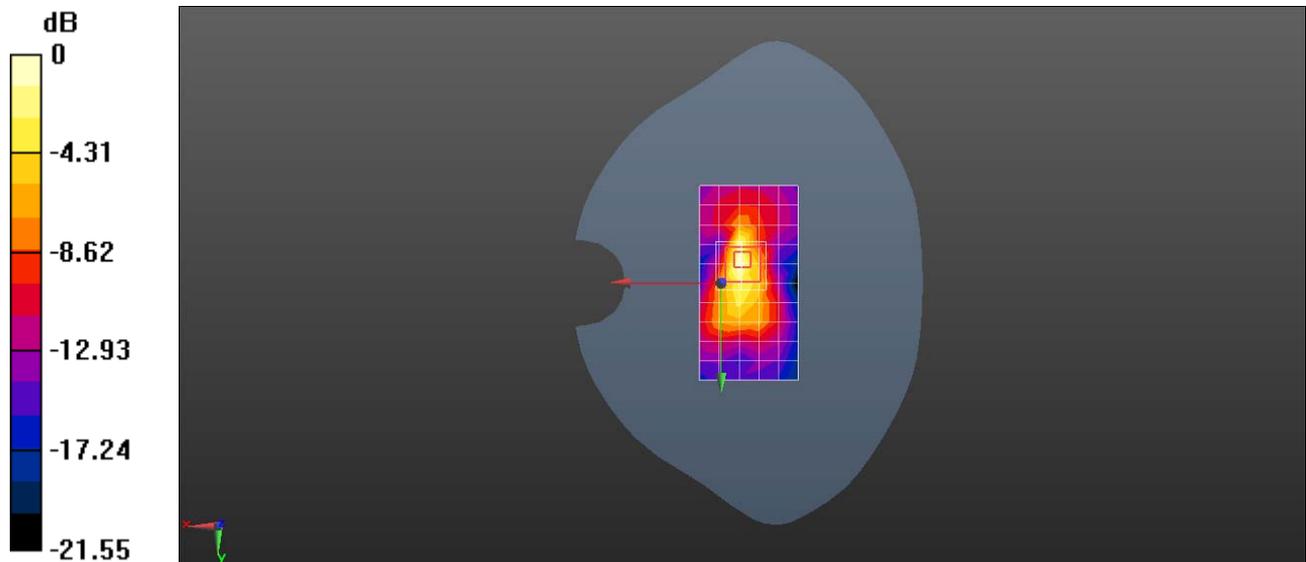
### Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 14.70 V/m; Power Drift = -0.12 dB

Peak SAR (extrapolated) = 1.74 W/kg

SAR(1 g) = 0.734 W/kg; SAR(10 g) = 0.285 W/kg

Maximum value of SAR (measured) = 1.03 W/kg



0 dB = 0.957 W/kg = -0.19 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

## MHA-L29 LTE Band XII 10M QPSK 1RB 25 offset 23060CH Right touch with Battery 2-Main Antenna

DUT: MHA-L29; Type: Smart Phone; Serial: SAR2

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;  $\sigma = 0.847$  S/m;  $\epsilon_r = 43.716$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Right Section

DASY Configuration:

- ε Probe: EX3DV4 - SN3744; ConvF(9.7, 9.7, 9.7); Calibrated: 2016-7-26;
- ε Sensor-Surface: 1.4mm (Mechanical Surface Detection),  $z = 1.0, 31.0$
- ε Electronics: DAE4 Sn1236; Calibrated: 2015-11-23
- ε Phantom: SAM4; Type: SAM; Serial: TP-1620
- ε DASY52 52.8.8(1222);

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

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

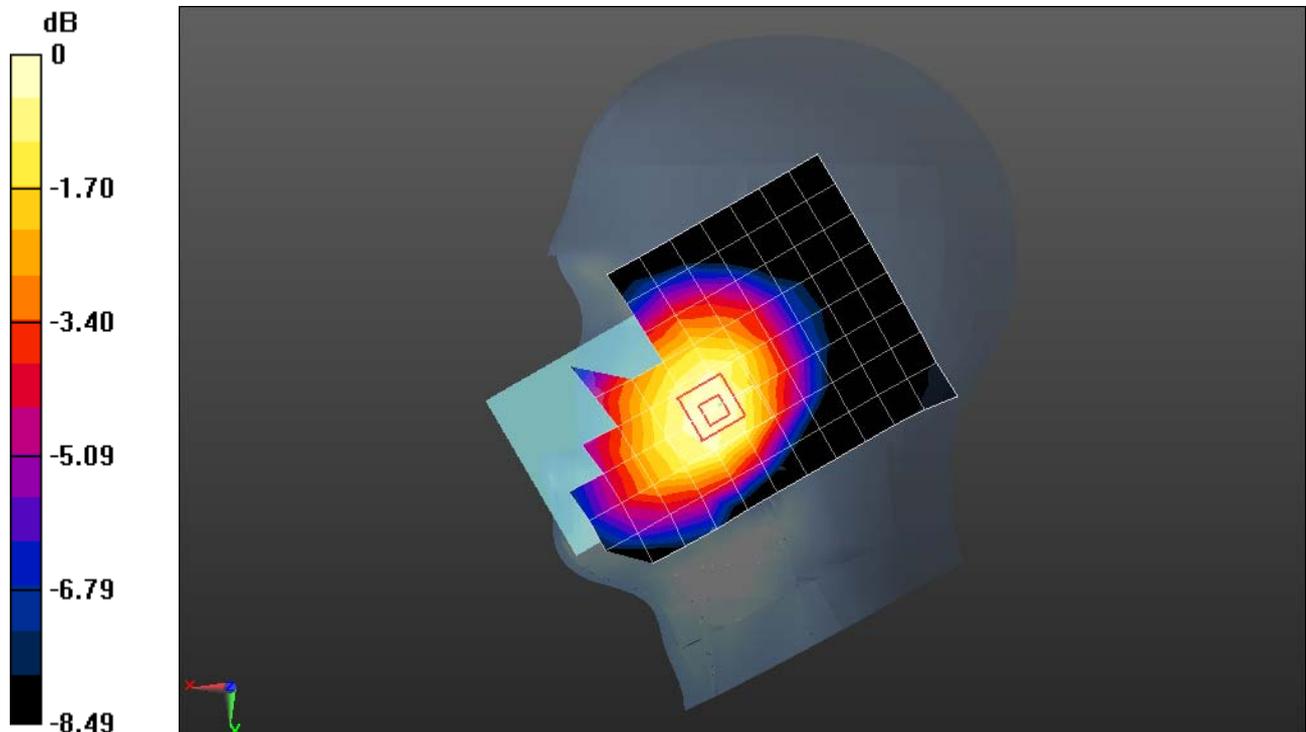
### Configuration/Head/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 5.298 V/m; Power Drift = 0.07 dB

Peak SAR (extrapolated) = 0.214 W/kg

SAR(1 g) = 0.176 W/kg; SAR(10 g) = 0.139 W/kg

Maximum value of SAR (measured) = 0.201 W/kg



0 dB = 0.201 W/kg = -6.97 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

## MHA-L29 LTE Band XII 10M QPSK 25RB 13 offset 23130CH Back side 15mm- Main Antenna

DUT: MHA-L29; Type: Smart Phone; Serial: SAR2

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

Medium parameters used:  $f = 711$  MHz;  $\sigma = 0.934$  S/m;  $\epsilon_r = 54.145$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY Configuration:

- ε Probe: EX3DV4 - SN3744; ConvF(9.03, 9.03, 9.03); Calibrated: 2016-7-26;
- ε Sensor-Surface: 1.4mm (Mechanical Surface Detection),  $z = 1.0, 31.0$
- ε Electronics: DAE4 Sn1236; Calibrated: 2015-11-23
- ε Phantom: SAM3; Type: SAM; Serial: TP-1597
- ε DASY52 52.8.8(1222);

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

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

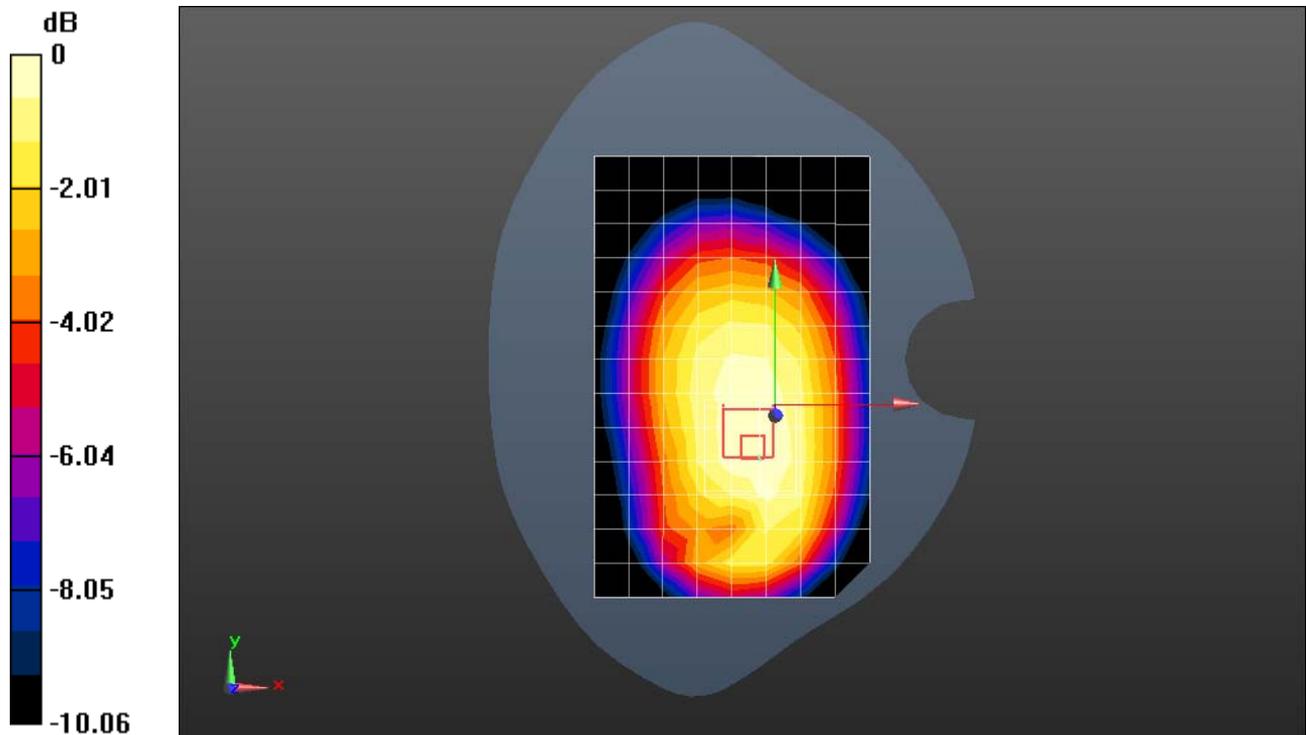
### Configuration/Body/Zoom Scan (6x6x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 12.88 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 0.227 W/kg

SAR(1 g) = 0.170 W/kg; SAR(10 g) = 0.131 W/kg

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



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

Test Laboratory: HUAWEI SAR/HAC Lab

## MHA-L29 LTE Band XII 10M QPSK 25RB 13 offset 23130CH Right side 10mm- Main Antenna

DUT: MHA-L29; Type: Smart Phone; Serial: SAR2

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

Medium parameters used:  $f = 711$  MHz;  $\sigma = 0.934$  S/m;  $\epsilon_r = 54.145$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY Configuration:

- ε Probe: EX3DV4 - SN3744; ConvF(9.03, 9.03, 9.03); Calibrated: 2016-7-26;
- ε Sensor-Surface: 1.4mm (Mechanical Surface Detection),  $z = 1.0, 31.0$
- ε Electronics: DAE4 Sn1236; Calibrated: 2015-11-23
- ε Phantom: SAM3; Type: SAM; Serial: TP-1597
- ε DASY52 52.8.8(1222);

**Configuration/Body/Area Scan (5x14x1):** Measurement grid:  $dx=15$ mm,  $dy=15$ mm  
Maximum value of SAR (measured) = 0.267 W/kg

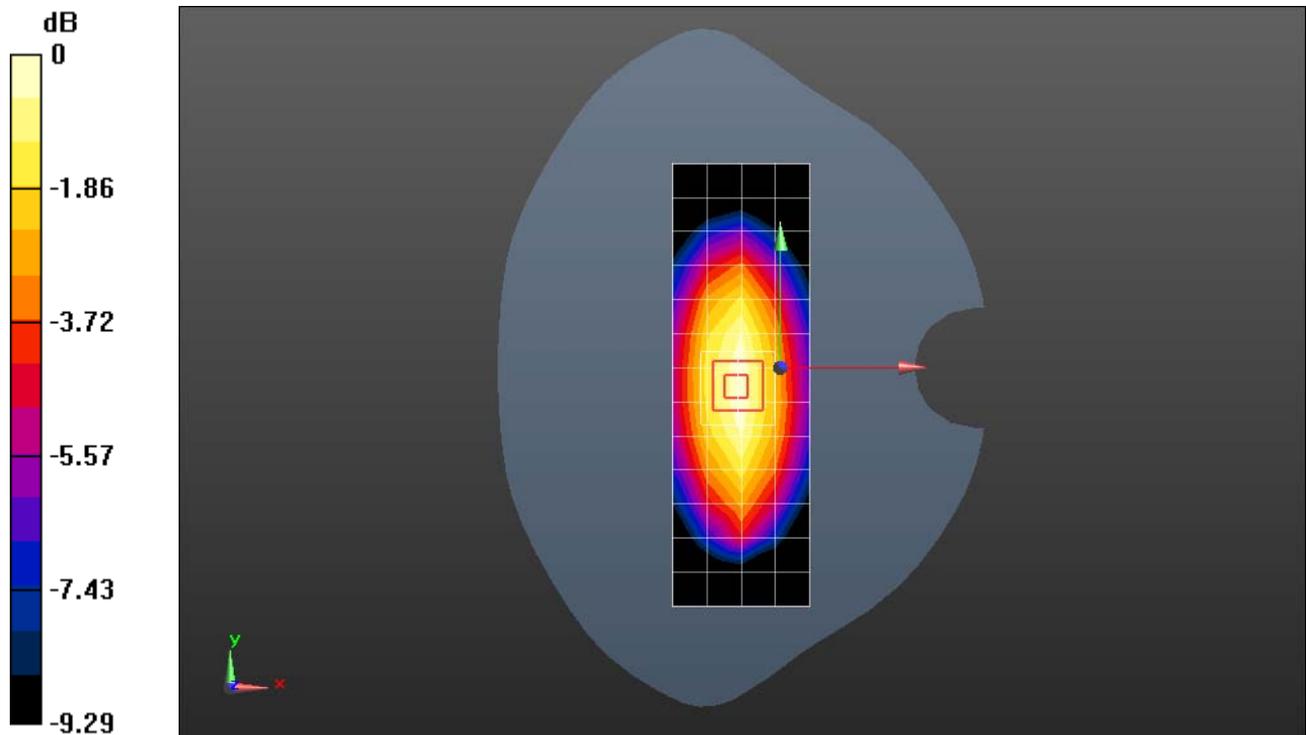
**Configuration/Body/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 15.10 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 0.306 W/kg

SAR(1 g) = 0.207 W/kg; SAR(10 g) = 0.143 W/kg

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



0 dB = 0.271 W/kg = -5.67 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

## MHA-L29 LTE Band XVII 10M QPSK 1RB 25 offset 23800CH Right touch with Battery 2-Main Antenna

DUT: MHA-L29; Type: Smart Phone; Serial: SAR2

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

Medium parameters used:  $f = 711$  MHz;  $\sigma = 0.854$  S/m;  $\epsilon_r = 43.624$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Right Section

DASY Configuration:

- ε Probe: EX3DV4 - SN3744; ConvF(9.7, 9.7, 9.7); Calibrated: 2016-7-26;
- ε Sensor-Surface: 1.4mm (Mechanical Surface Detection),  $z = 1.0, 31.0$
- ε Electronics: DAE4 Sn1236; Calibrated: 2015-11-23
- ε Phantom: SAM4; Type: SAM; Serial: TP-1620
- ε DASY52 52.8.8(1222);

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

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

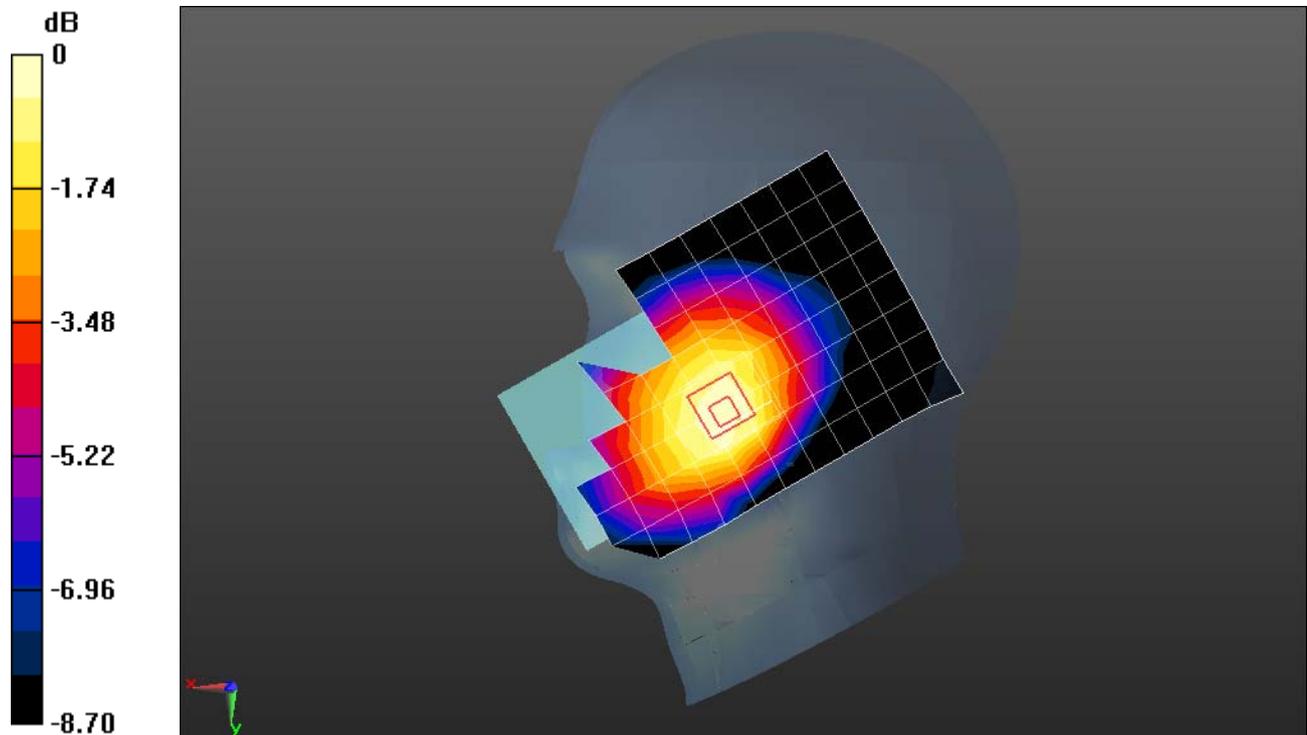
### Configuration/Head/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 5.190 V/m; Power Drift = 0.18 dB

Peak SAR (extrapolated) = 0.260 W/kg

SAR(1 g) = 0.207 W/kg; SAR(10 g) = 0.162 W/kg

Maximum value of SAR (measured) = 0.239 W/kg



0 dB = 0.239 W/kg = -6.22 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

## MHA-L29 LTE Band XVII 10M QPSK 1RB 25 offset 23800CH Back side 15mm- Main Antenna

DUT: MHA-L29; Type: Smart Phone; Serial: SAR2

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

Medium parameters used:  $f = 711$  MHz;  $\sigma = 0.934$  S/m;  $\epsilon_r = 54.145$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY Configuration:

- ε Probe: EX3DV4 - SN3744; ConvF(9.03, 9.03, 9.03); Calibrated: 2016-7-26;
- ε Sensor-Surface: 1.4mm (Mechanical Surface Detection),  $z = 1.0, 31.0$
- ε Electronics: DAE4 Sn1236; Calibrated: 2015-11-23
- ε Phantom: SAM3; Type: SAM; Serial: TP-1597
- ε DASY52 52.8.8(1222);

**Configuration/Body/Area Scan (9x14x1):** Measurement grid:  $dx=15$ mm,  $dy=15$ mm  
Maximum value of SAR (measured) = 0.324 W/kg

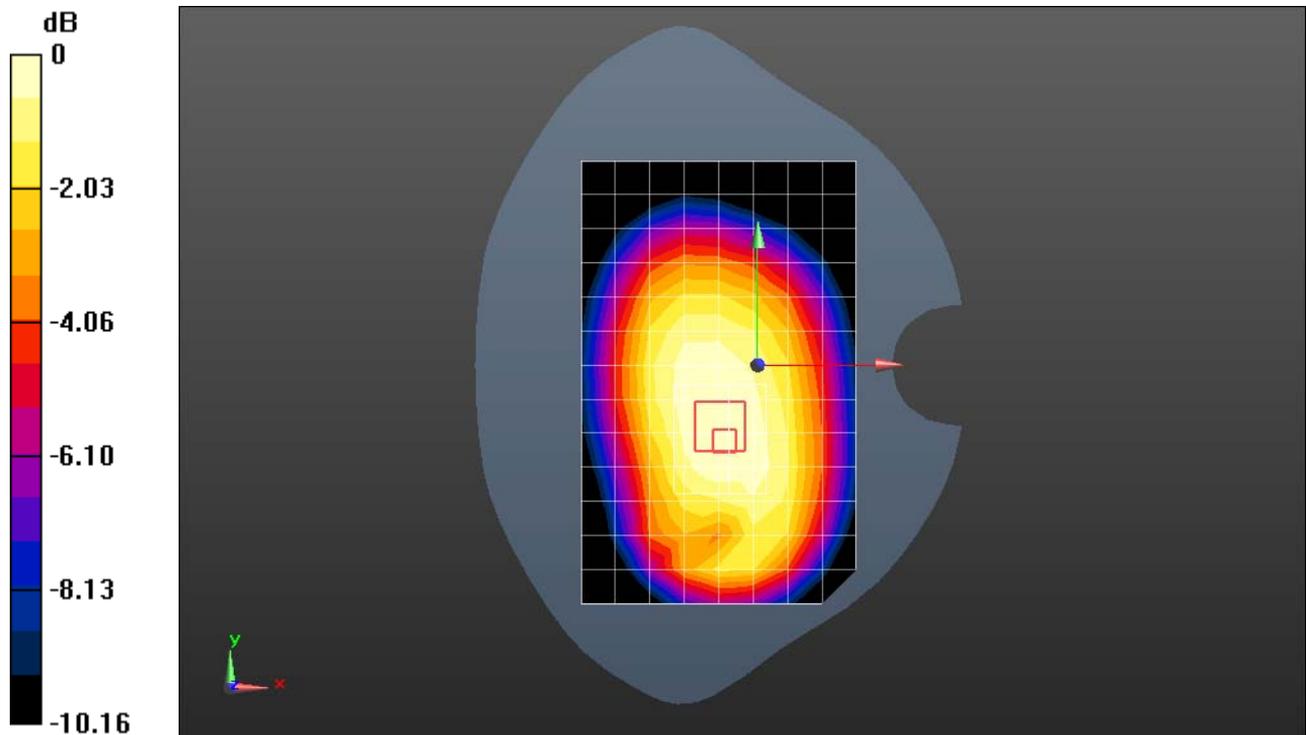
**Configuration/Body/Zoom Scan (6x7x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 16.72 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 0.358 W/kg

SAR(1 g) = 0.272 W/kg; SAR(10 g) = 0.213 W/kg

Maximum value of SAR (measured) = 0.326 W/kg



0 dB = 0.326 W/kg = -4.87 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

## MHA-L29 LTE Band XVII 10M QPSK 1RB 25 offset 23800CH Back side 10mm- Main Antenna

DUT: MHA-L29; Type: Smart Phone; Serial: SAR2

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

Medium parameters used:  $f = 711$  MHz;  $\sigma = 0.934$  S/m;  $\epsilon_r = 54.145$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY Configuration:

- ε Probe: EX3DV4 - SN3744; ConvF(9.03, 9.03, 9.03); Calibrated: 2016-7-26;
- ε Sensor-Surface: 1.4mm (Mechanical Surface Detection),  $z = 1.0, 31.0$
- ε Electronics: DAE4 Sn1236; Calibrated: 2015-11-23
- ε Phantom: SAM3; Type: SAM; Serial: TP-1597
- ε DASY52 52.8.8(1222);

**Configuration/Body/Area Scan (9x14x1):** Measurement grid:  $dx=15$ mm,  $dy=15$ mm  
Maximum value of SAR (measured) = 0.461 W/kg

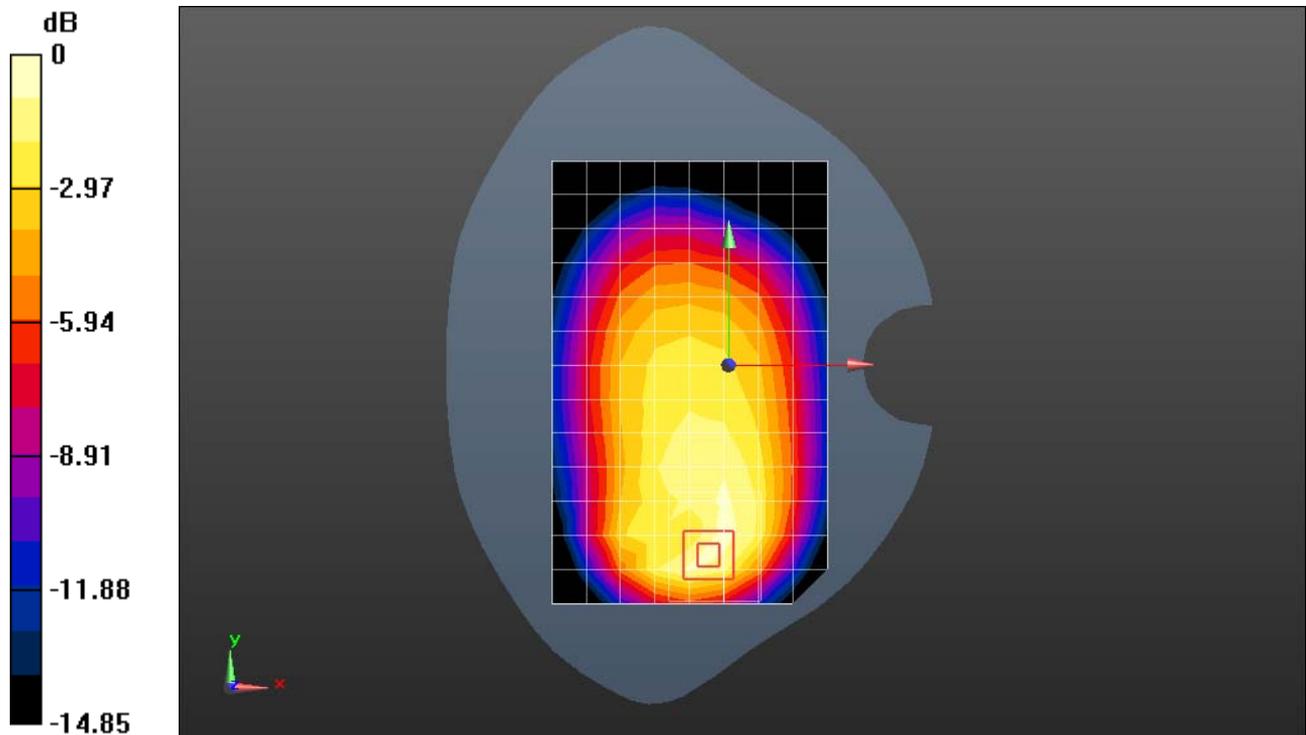
**Configuration/Body/Zoom Scan (6x7x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 16.33 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 0.620 W/kg

SAR(1 g) = 0.349 W/kg; SAR(10 g) = 0.203 W/kg

Maximum value of SAR (measured) = 0.506 W/kg



0 dB = 0.506 W/kg = -2.96 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

## MHA-L29 LTE Band XXVI 15M QPSK 1RB 38 offset 26865CH Right touch with Battery 3-Main Antenna

DUT: MHA-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;  $\sigma = 0.909$  S/m;  $\epsilon_r = 40.726$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
 Phantom section: Right Section

DASY Configuration:

- ε Probe: EX3DV4 - SN3736; ConvF(9.17, 9.17, 9.17); Calibrated: 2016-4-26;
- ε Sensor-Surface: 1.4mm (Mechanical Surface Detection),  $z = 1.0, 31.0$
- ε Electronics: DAE4 Sn1236; Calibrated: 2015-11-23
- ε Phantom: SAM4; Type: SAM; Serial: TP-1620
- ε DASY52 52.8.8(1222);

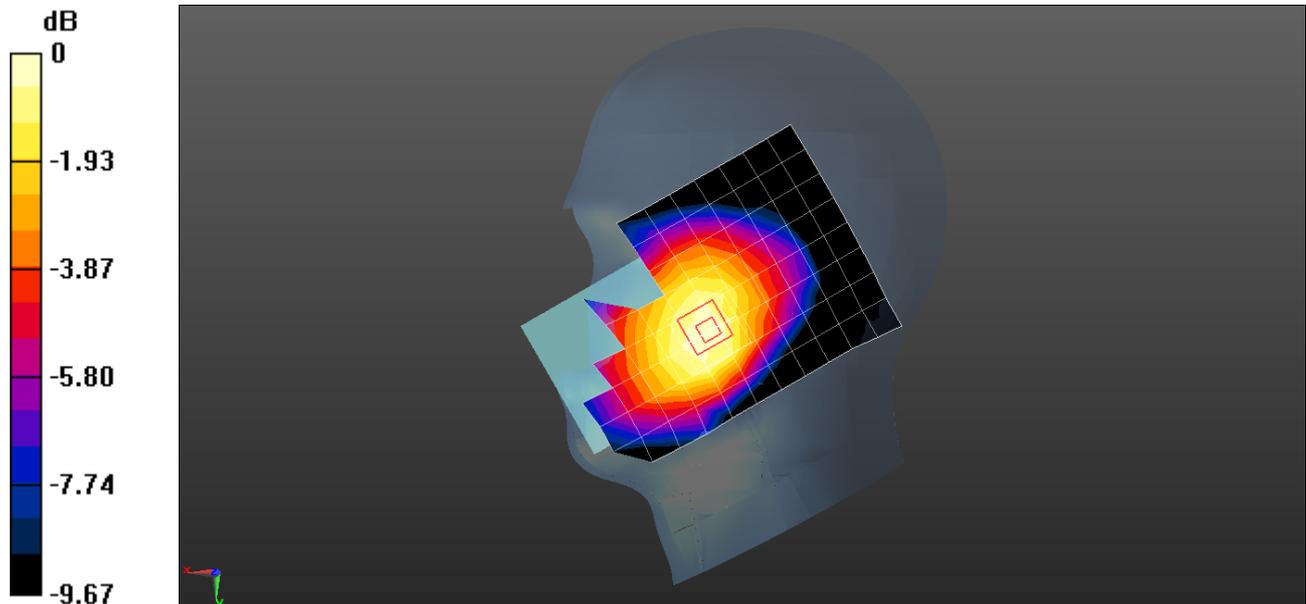
### Configuration/Head/Area Scan (9x14x1): Measurement grid: dx=15mm, dy=15mm

Info: Interpolated medium parameters used for SAR evaluation.  
 Maximum value of SAR (measured) = 0.353 W/kg

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

Reference Value = 8.058 V/m; Power Drift = 0.11 dB  
 Peak SAR (extrapolated) = 0.394 W/kg  
 SAR(1 g) = 0.296 W/kg; SAR(10 g) = 0.224 W/kg

Info: Interpolated medium parameters used for SAR evaluation.  
 Maximum value of SAR (measured) = 0.360 W/kg



0 dB = 0.360 W/kg = -4.44 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

## MHA-L29 LTE Band XXVI 15M QPSK 1RB 38 offset 26965CH Back Side 15mm with Battery 2-Main Antenna

DUT: MHA-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;  $\sigma = 1$  S/m;  $\epsilon_r = 54.261$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY Configuration:

- ε Probe: EX3DV4 - SN3736; ConvF(9.08, 9.08, 9.08); Calibrated: 2016-4-26;
- ε Sensor-Surface: 1.4mm (Mechanical Surface Detection),  $z = 1.0, 31.0$
- ε Electronics: DAE4 Sn1236; Calibrated: 2015-11-23
- ε Phantom: SAM3; Type: SAM; Serial: TP-1597
- ε DASY52 52.8.8(1222);

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

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 0.229 W/kg

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

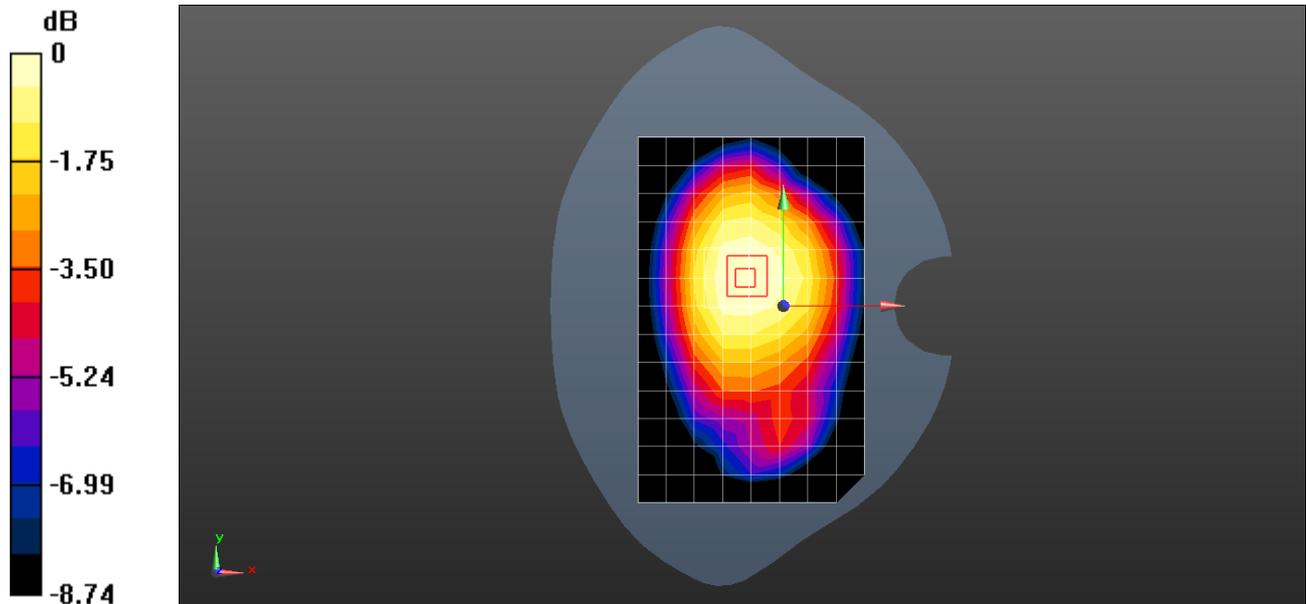
Reference Value = 13.52 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 0.248 W/kg

SAR(1 g) = 0.188 W/kg; SAR(10 g) = 0.143 W/kg

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 0.227 W/kg



0 dB = 0.227 W/kg = -6.44 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

## MHA-L29 LTE Band XXVI 15M QPSK 1RB 38 offset 26965CH Back Side 10mm- Main Antenna

DUT: MHA-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;  $\sigma = 1$  S/m;  $\epsilon_r = 54.261$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY Configuration:

- ε Probe: EX3DV4 - SN3736; ConvF(9.08, 9.08, 9.08); Calibrated: 2016-4-26;
- ε Sensor-Surface: 1.4mm (Mechanical Surface Detection), z = 1.0, 31.0
- ε Electronics: DAE4 Sn1236; Calibrated: 2015-11-23
- ε Phantom: SAM3; Type: SAM; Serial: TP-1597
- ε DASY52 52.8.8(1222);

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

Info: Interpolated medium parameters used for SAR evaluation.

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

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

Reference Value = 13.98 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 0.270 W/kg

SAR(1 g) = 0.205 W/kg; SAR(10 g) = 0.154 W/kg

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 0.248 W/kg

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

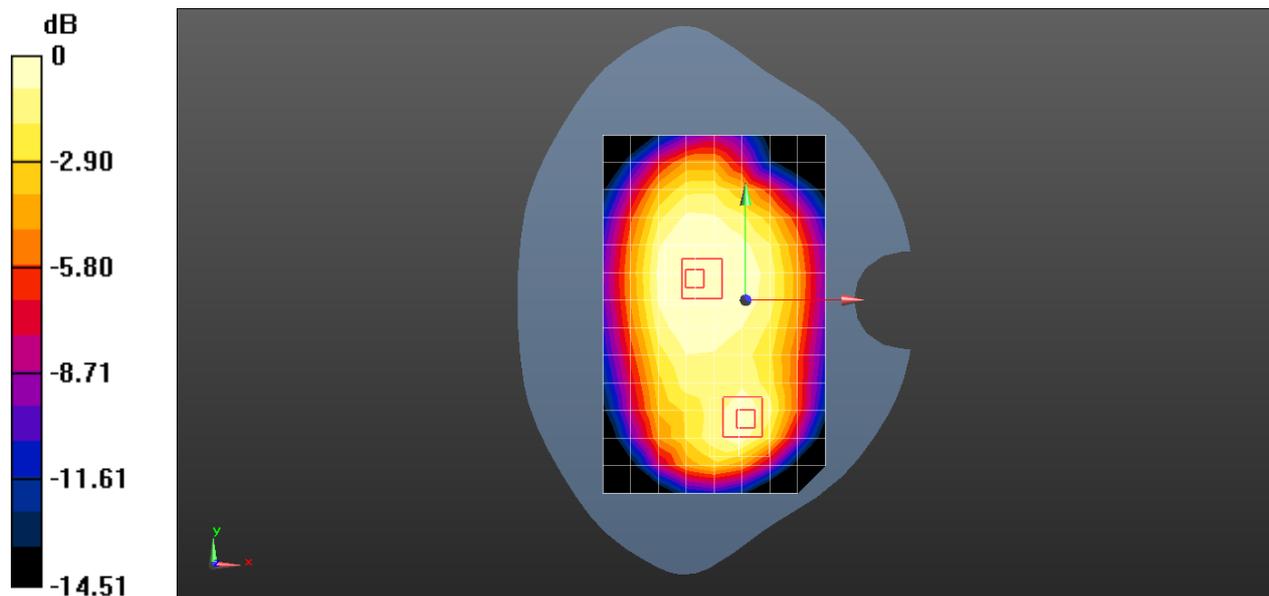
Reference Value = 13.98 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 0.262 W/kg

SAR(1 g) = 0.158 W/kg; SAR(10 g) = 0.099 W/kg

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 0.217 W/kg



0 dB = 0.217 W/kg = -6.64 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

## MHA-L29 LTE Band XXXVIII QPSK 20M 1RB 50 offset 38000CH Left touch-Main Antenna

DUT: MHA-L29; Type: Smart Phone; Serial: SAR1

Communication System: UID 0, LTE-TDD (SC-FDMA, 20MHz, QPSK/16-QAM) (0); Frequency: 2595 MHz; Duty Cycle: 1:1.57906

Medium parameters used:  $f = 2595$  MHz;  $\sigma = 2.013$  S/m;  $\epsilon_r = 37.654$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Left Section

DASY Configuration:

ε Probe: ES3DV3 - SN3168; ConvF(4.48, 4.48, 4.48); Calibrated: 2015-9-28;

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(1222);

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

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

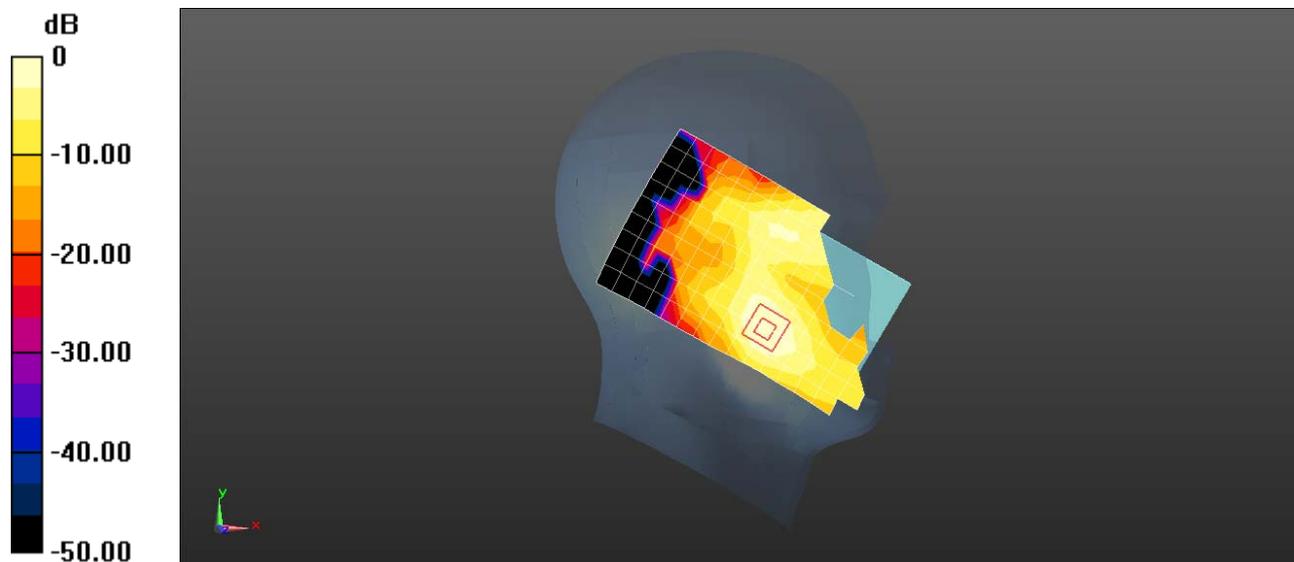
### Configuration/Head/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 1.992 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 0.238 W/kg

SAR(1 g) = 0.135 W/kg; SAR(10 g) = 0.071 W/kg

Maximum value of SAR (measured) = 0.167 W/kg



0 dB = 0.166 W/kg = -7.80 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

## MHA-L29 LTE Band XXXVIII QPSK 20M 1RB 99 offset 38150CH Back Side 15mm-Main Antenna

DUT: MHA-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;  $\sigma = 2.134$  S/m;  $\epsilon_r = 51.471$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY Configuration:

- ε Probe: ES3DV3 - SN3168; ConvF(4.23, 4.23, 4.23); Calibrated: 2015-9-28;
- 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(1222);

### Configuration/Body/Area Scan (10x17x1):

Measurement grid:  $dx=12$ mm,  $dy=12$ mm

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

### Configuration/Body/Zoom Scan (7x7x7)/Cube 0:

Reference Value = 3.290 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 0.274 W/kg

SAR(1 g) = 0.130 W/kg; SAR(10 g) = 0.059 W/kg

Maximum value of SAR (measured) = 0.171 W/kg

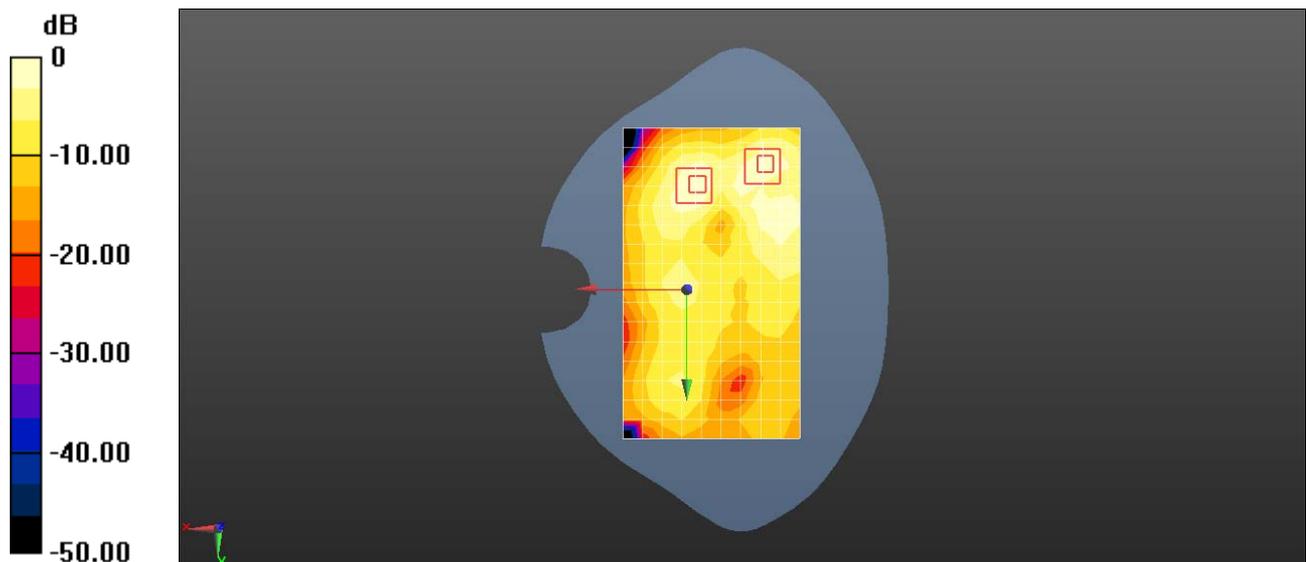
### Configuration/Body/Zoom Scan (7x7x7)/Cube 1:

Reference Value = 3.290 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 0.229 W/kg

SAR(1 g) = 0.110 W/kg; SAR(10 g) = 0.051 W/kg

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



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

Test Laboratory: HUAWEI SAR/HAC Lab

## MHA-L29 LTE Band XXXVIII QPSK 20M 1RB 99 offset 38150CH Front Side 10mm-Main Antenna

DUT: MHA-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;  $\sigma = 2.134$  S/m;  $\epsilon_r = 51.471$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY Configuration:

ε Probe: ES3DV3 - SN3168; ConvF(4.23, 4.23, 4.23); Calibrated: 2015-9-28;

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(1222);

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

Maximum value of SAR (measured) = 0.470 W/kg

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

Reference Value = 3.329 V/m; Power Drift = 0.07 dB

Peak SAR (extrapolated) = 0.835 W/kg

SAR(1 g) = 0.353 W/kg; SAR(10 g) = 0.147 W/kg

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

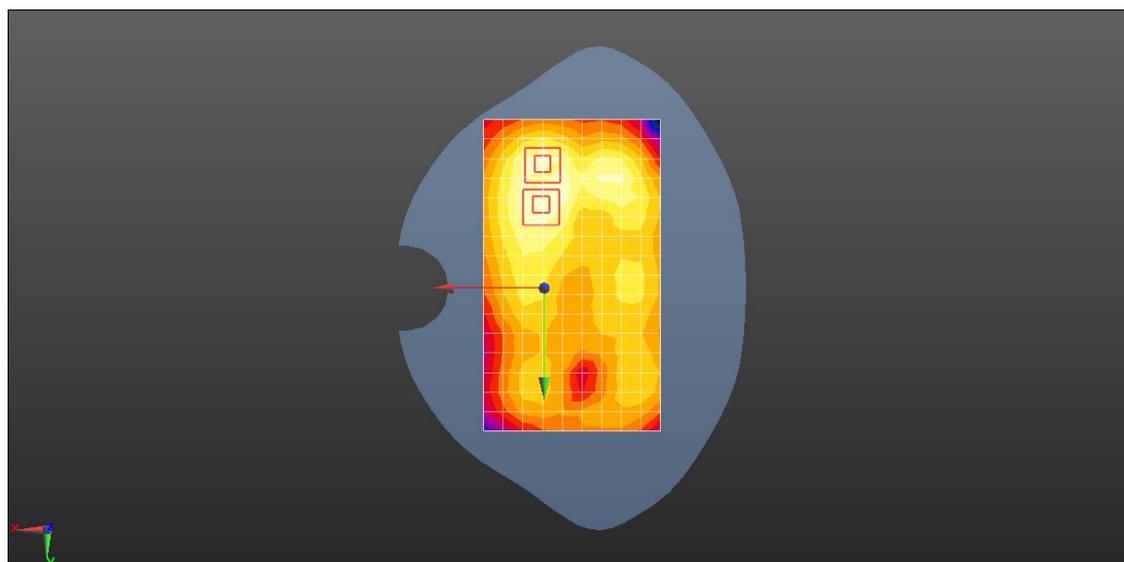
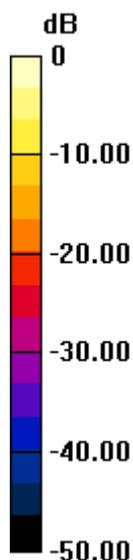
### Configuration/Body/Zoom Scan (7x7x7)/Cube 1: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 3.329 V/m; Power Drift = 0.07 dB

Peak SAR (extrapolated) = 0.701 W/kg

SAR(1 g) = 0.310 W/kg; SAR(10 g) = 0.134 W/kg

Maximum value of SAR (measured) = 0.402 W/kg



0 dB = 0.470 W/kg = -3.28 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

## MHA-L29 LTE Band XLI QPSK 20M 1RB 99 offset 40740CH Left touch-Main Antenna

DUT: MHA-L29; Type: Smart Phone; Serial: SAR1

Communication System: UID 0, LTE-TDD (SC-FDMA, 20MHz, QPSK/16-QAM) (0); Frequency: 2605 MHz; Duty Cycle: 1:1.57906

Medium parameters used:  $f = 2605$  MHz;  $\sigma = 2.027$  S/m;  $\epsilon_r = 37.627$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Left Section

DASY Configuration:

- ε Probe: ES3DV3 - SN3168; ConvF(4.48, 4.48, 4.48); Calibrated: 2015-9-28;
- 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(1222);

**Configuration/Head/Area Scan (10x16x1):** Measurement grid:  $dx=12$ mm,  $dy=12$ mm  
 Maximum value of SAR (measured) = 0.227 W/kg

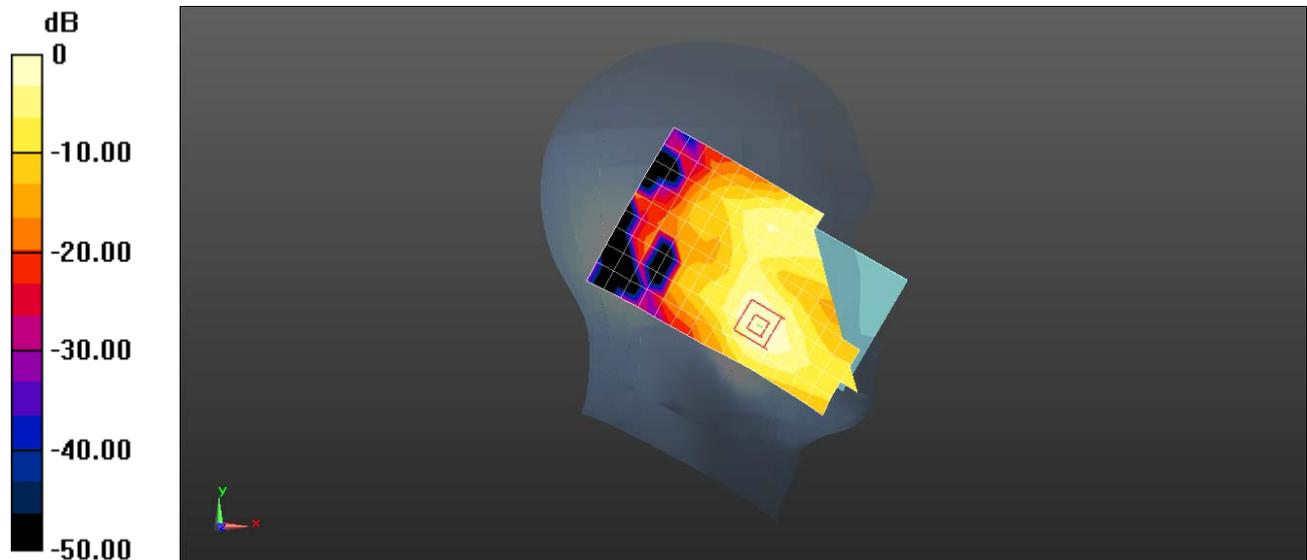
**Configuration/Head/Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

Reference Value = 1.659 V/m; Power Drift = 0.06 dB

Peak SAR (extrapolated) = 0.320 W/kg

SAR(1 g) = 0.181 W/kg; SAR(10 g) = 0.095 W/kg

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



0 dB = 0.227 W/kg = -6.44 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

## MHA-L29 LTE Band XLI QPSK 20M 50RB 50 offset 40340CH Back Side 15mm- Main Antenna

DUT: MHA-L29; Type: Smart Phone; Serial: SAR1

Communication System: UID 0, LTE-TDD (SC-FDMA, 20MHz, QPSK/16-QAM) (0); Frequency: 2565 MHz; Duty Cycle: 1:1.57906

Medium parameters used:  $f = 2565$  MHz;  $\sigma = 2.076$  S/m;  $\epsilon_r = 51.617$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

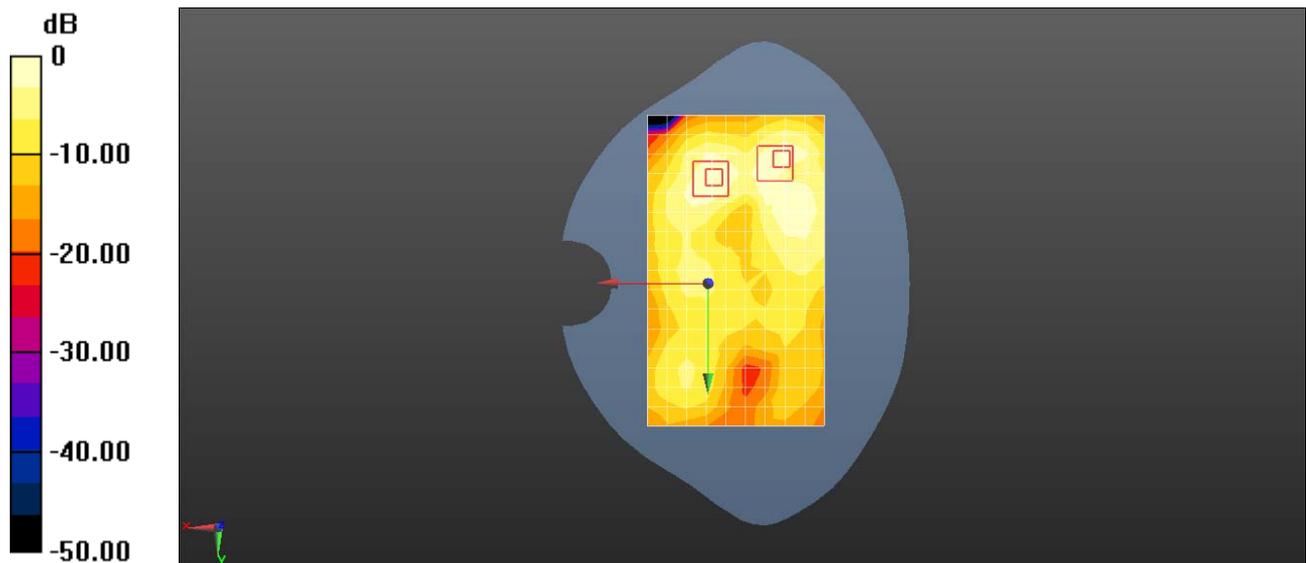
DASY Configuration:

- ε Probe: ES3DV3 - SN3168; ConvF(4.23, 4.23, 4.23); Calibrated: 2015-9-28;
- 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(1222);

**Configuration/Body/Area Scan (10x17x1):** Measurement grid:  $dx=12$ mm,  $dy=12$ mm  
Maximum value of SAR (measured) = 0.130 W/kg

**Configuration/Body/Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm  
Reference Value = 2.610 V/m; Power Drift = 0.13 dB  
Peak SAR (extrapolated) = 0.255 W/kg  
**SAR(1 g) = 0.117 W/kg; SAR(10 g) = 0.052 W/kg**  
Maximum value of SAR (measured) = 0.155 W/kg

**Configuration/Body/Zoom Scan (7x7x7)/Cube 1:** Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm  
Reference Value = 2.610 V/m; Power Drift = 0.13 dB  
Peak SAR (extrapolated) = 0.200 W/kg  
**SAR(1 g) = 0.095 W/kg; SAR(10 g) = 0.045 W/kg**  
Maximum value of SAR (measured) = 0.123 W/kg



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

Test Laboratory: HUAWEI SAR/HAC Lab

## MHA-L29 LTE Band XLI QPSK 20M 1RB 50 offset 40340CH Back Side 10mm- Main Antenna

DUT: MHA-L29; Type: Smart Phone; Serial: SAR1

Communication System: UID 0, LTE-TDD (SC-FDMA, 20MHz, QPSK/16-QAM) (0); Frequency: 2565 MHz; Duty Cycle: 1:1.57906

Medium parameters used:  $f = 2565$  MHz;  $\sigma = 2.076$  S/m;  $\epsilon_r = 51.617$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

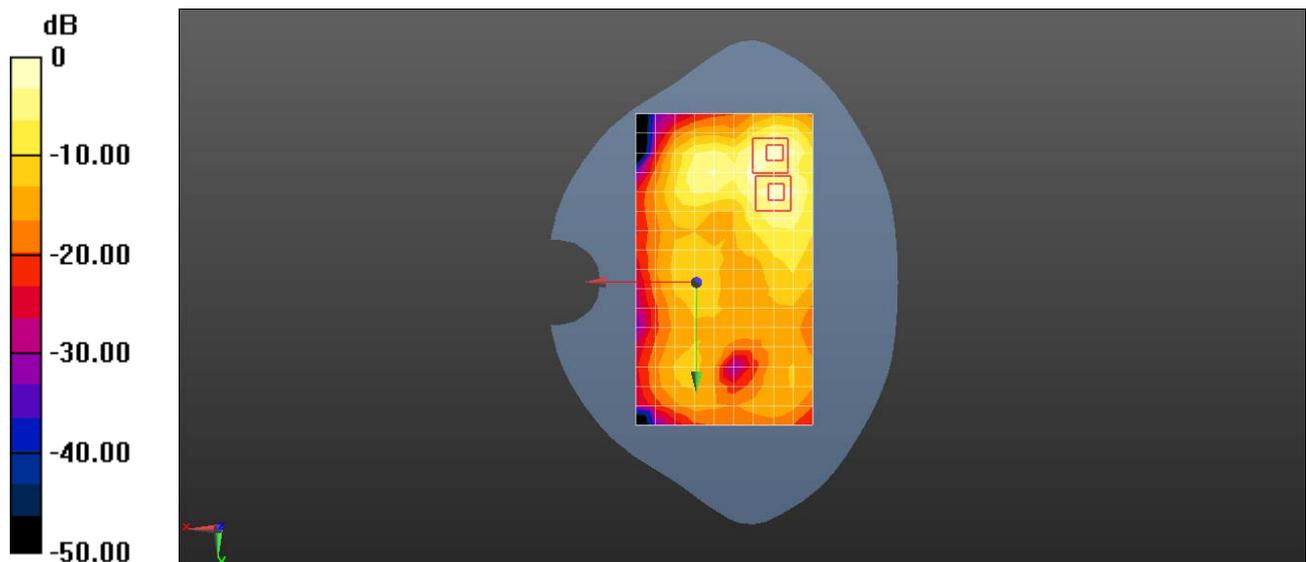
DASY Configuration:

- ε Probe: ES3DV3 - SN3168; ConvF(4.23, 4.23, 4.23); Calibrated: 2015-9-28;
- 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(1222);

**Configuration/Body/Area Scan (10x17x1):** Measurement grid: dx=12mm, dy=12mm  
Maximum value of SAR (measured) = 0.736 W/kg

**Configuration/Body/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm  
Reference Value = 3.723 V/m; Power Drift = 0.07 dB  
Peak SAR (extrapolated) = 1.21 W/kg  
**SAR(1 g) = 0.533 W/kg; SAR(10 g) = 0.222 W/kg**  
Maximum value of SAR (measured) = 0.726 W/kg

**Configuration/Body/Zoom Scan (7x7x7)/Cube 1:** Measurement grid: dx=5mm, dy=5mm, dz=5mm  
Reference Value = 3.723 V/m; Power Drift = 0.07 dB  
Peak SAR (extrapolated) = 0.835 W/kg  
**SAR(1 g) = 0.418 W/kg; SAR(10 g) = 0.204 W/kg**  
Maximum value of SAR (measured) = 0.520 W/kg



0 dB = 0.736 W/kg = -1.33 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

**MHA-L29 WiFi 2.4G 11b 6CH Left touch****DUT: MHA-L29; Type: Smart Phone; Serial: SAR1**

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

Medium parameters used:  $f = 2437$  MHz;  $\sigma = 1.823$  S/m;  $\epsilon_r = 39.053$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Left Section

DASY Configuration:

- ⌘ Probe: ES3DV3 - SN3168; ConvF(4.55, 4.55, 4.55); Calibrated: 2015-9-28;
- ⌘ 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(1222);

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

Maximum value of SAR (measured) = 1.34 W/kg

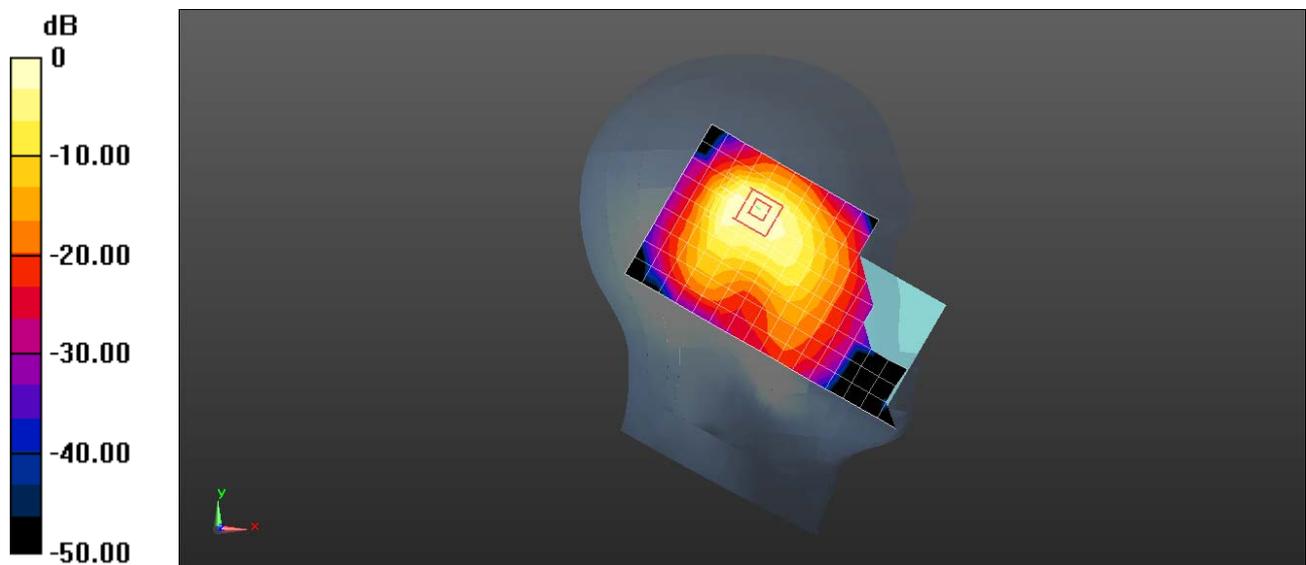
**Configuration/Head/Zoom Scan (7x9x7)/Cube 0:** Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

Reference Value = 9.669 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 2.78 W/kg

**SAR(1 g) = 1.22 W/kg; SAR(10 g) = 0.538 W/kg**

Maximum value of SAR (measured) = 1.72 W/kg



0 dB = 1.34 W/kg = 1.27 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

**MHA-L29 WiFi 2.4G 11b 6CH Front side 15mm****DUT: MHA-L29; Type: Smart Phone; Serial: SAR1**

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

Medium parameters used:  $f = 2437$  MHz;  $\sigma = 1.942$  S/m;  $\epsilon_r = 50.916$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY Configuration:

- ε Probe: ES3DV3 - SN3168; ConvF(4.35, 4.35, 4.35); Calibrated: 2015-9-28;
- 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(1222);

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

Maximum value of SAR (measured) = 0.0985 W/kg

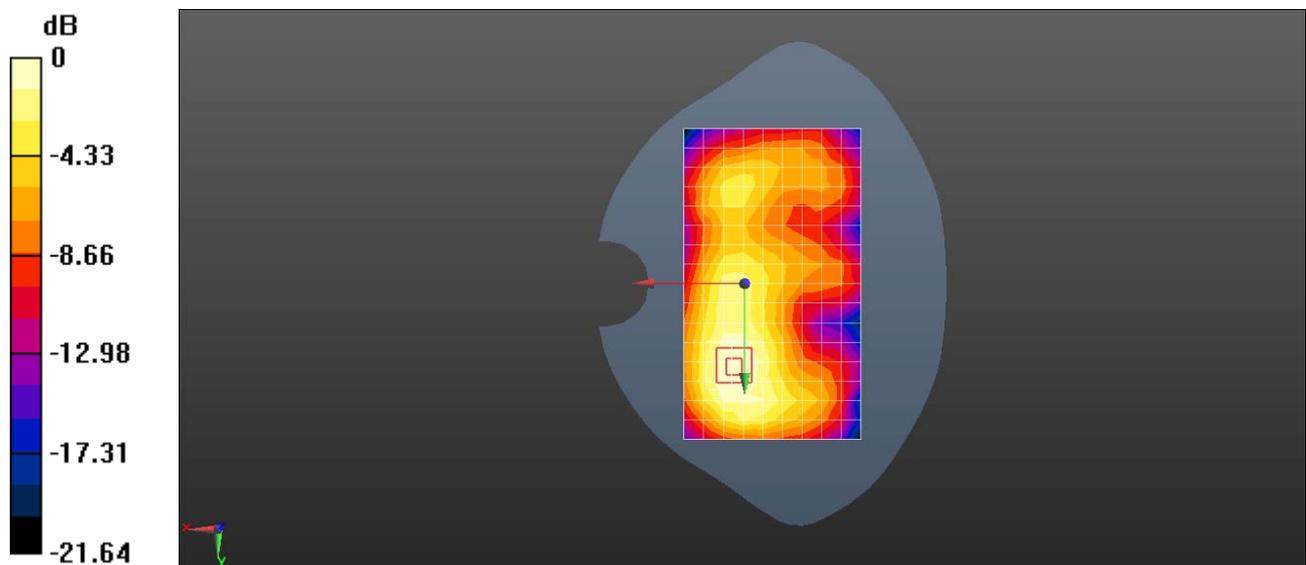
**Configuration/Body/Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

Reference Value = 4.059 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 0.171 W/kg

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

Maximum value of SAR (measured) = 0.113 W/kg



Test Laboratory: HUAWEI SAR/HAC Lab

**MHA-L29 WiFi 2.4G 11b 6CH Front side 10mm****DUT: MHA-L29; Type: Smart Phone; Serial: SAR1**

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

Medium parameters used:  $f = 2437$  MHz;  $\sigma = 1.942$  S/m;  $\epsilon_r = 50.916$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY Configuration:

- ⌘ Probe: ES3DV3 - SN3168; ConvF(4.35, 4.35, 4.35); Calibrated: 2015-9-28;
- ⌘ Sensor-Surface: 3mm (Mechanical Surface Detection),  $z = 2.0, 32.0$
- ⌘ Electronics: DAE4 Sn852; Calibrated: 2016-4-20
- ⌘ Phantom: SAM2; Type: SAM; Serial: TP:1474
- ⌘ DASY52 52.8.8(1222);

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

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

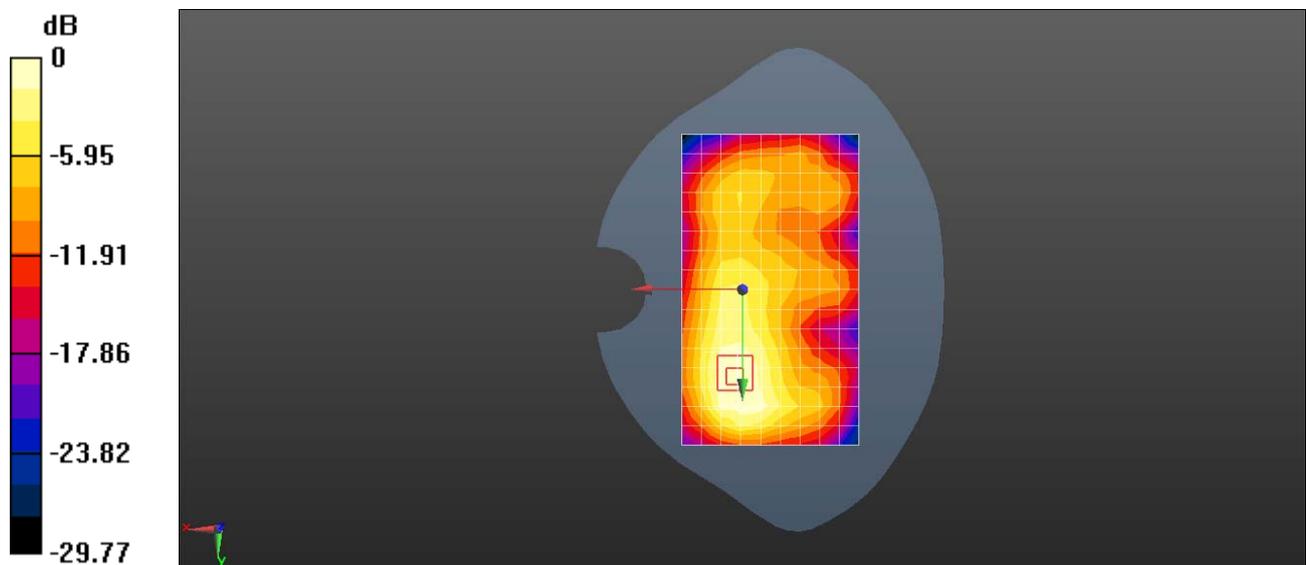
**Configuration/Body/Zoom Scan (8x8x7)/Cube 0:** Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

Reference Value = 5.385 V/m; Power Drift = -0.10 dB

Peak SAR (extrapolated) = 0.374 W/kg

**SAR(1 g) = 0.200 W/kg; SAR(10 g) = 0.106 W/kg**

Maximum value of SAR (measured) = 0.249 W/kg



0 dB = 0.215 W/kg = -6.68 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

**MHA-L29 WIFI 5G 802.11ac 20M 120CH Left Touch****DUT: MHA-L29; Type: Smart Phone; Serial: SAR2**

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;  $\sigma = 5.224$  S/m;  $\epsilon_r = 36.254$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Left Section

DASY Configuration:

- ⌵ Probe: EX3DV4 - SN3736; ConvF(4.29, 4.29, 4.29); Calibrated: 2016-4-26;
- ⌵ Sensor-Surface: 1.4mm (Mechanical Surface Detection),  $z = 1.0, 25.0$
- ⌵ Electronics: DAE4 Sn1236; Calibrated: 2015-11-23
- ⌵ Phantom: SAM4; Type: SAM; Serial: TP-1620
- ⌵ DASY52 52.8.8(1222);

**Configuration/Head/Area Scan (12x20x1):** Measurement grid:  $dx=10$ mm,  $dy=10$ mm

Maximum value of SAR (measured) = 2.11 W/kg

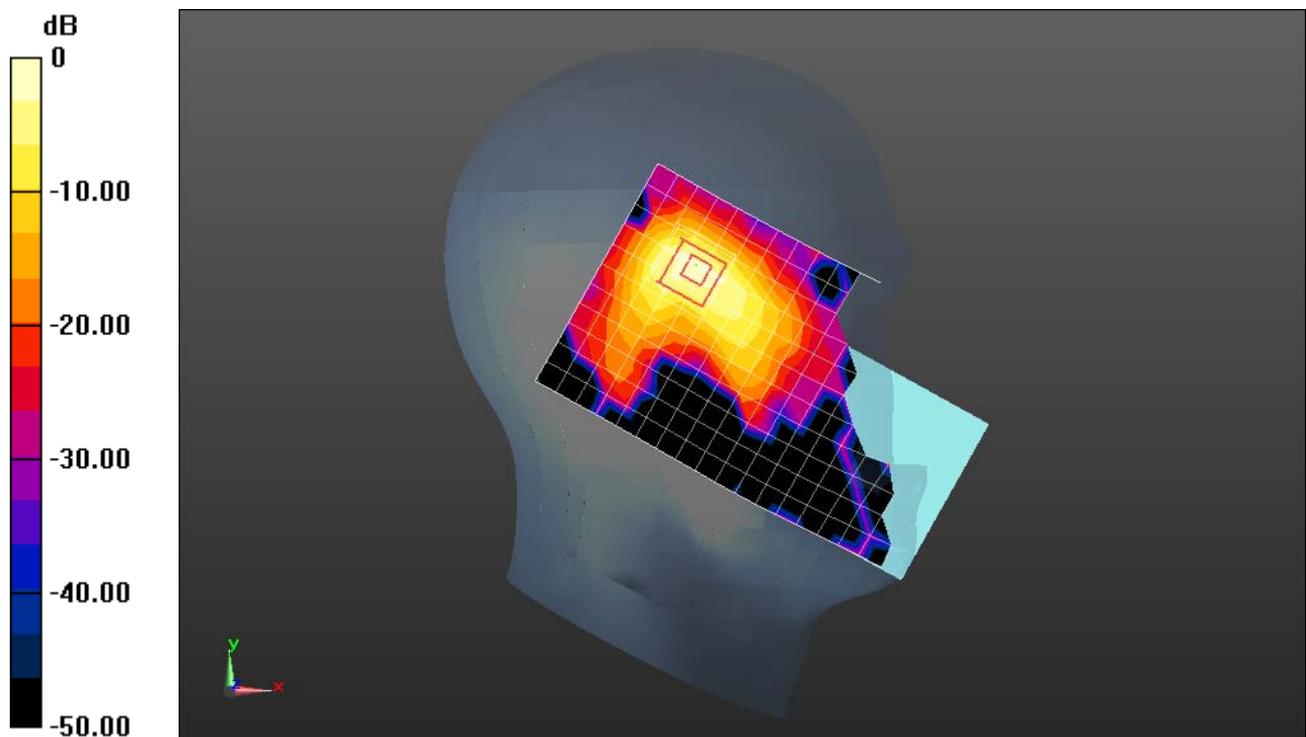
**Configuration/Head/Zoom Scan (8x8x7)/Cube 0:** Measurement grid:  $dx=4$ mm,  $dy=4$ mm,  $dz=1.4$ mm

Reference Value = 2.395 V/m; Power Drift = 0.11 dB

Peak SAR (extrapolated) = 4.50 W/kg

**SAR(1 g) = 0.949 W/kg; SAR(10 g) = 0.301 W/kg**

Maximum value of SAR (measured) = 2.52 W/kg



0 dB = 2.52 W/kg = 4.01 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

**MHA-L29 WIFI 5G 802.11ac 80M 106CH Right Touch****DUT: MHA-L29; Type: Smart Phone; Serial: SAR2**

Communication System: UID 0, WiFi(802.11a/b/g/n/ac) (0); Frequency: 5530 MHz;Duty Cycle: 1:1

Medium parameters used:  $f = 5530$  MHz;  $\sigma = 5.111$  S/m;  $\epsilon_r = 36.402$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Right Section

DASY Configuration:

- ⌵ Probe: EX3DV4 - SN3736; ConvF(4.29, 4.29, 4.29); Calibrated: 2016-4-26;
- ⌵ Sensor-Surface: 1.4mm (Mechanical Surface Detection),  $z = 1.0, 25.0$
- ⌵ Electronics: DAE4 Sn1236; Calibrated: 2015-11-23
- ⌵ Phantom: SAM4; Type: SAM; Serial: TP-1620
- ⌵ DASY52 52.8.8(1222);

**Configuration/Head/Area Scan (12x20x1):** Measurement grid:  $dx=10$ mm,  $dy=10$ mm

Maximum value of SAR (measured) = 0.340 W/kg

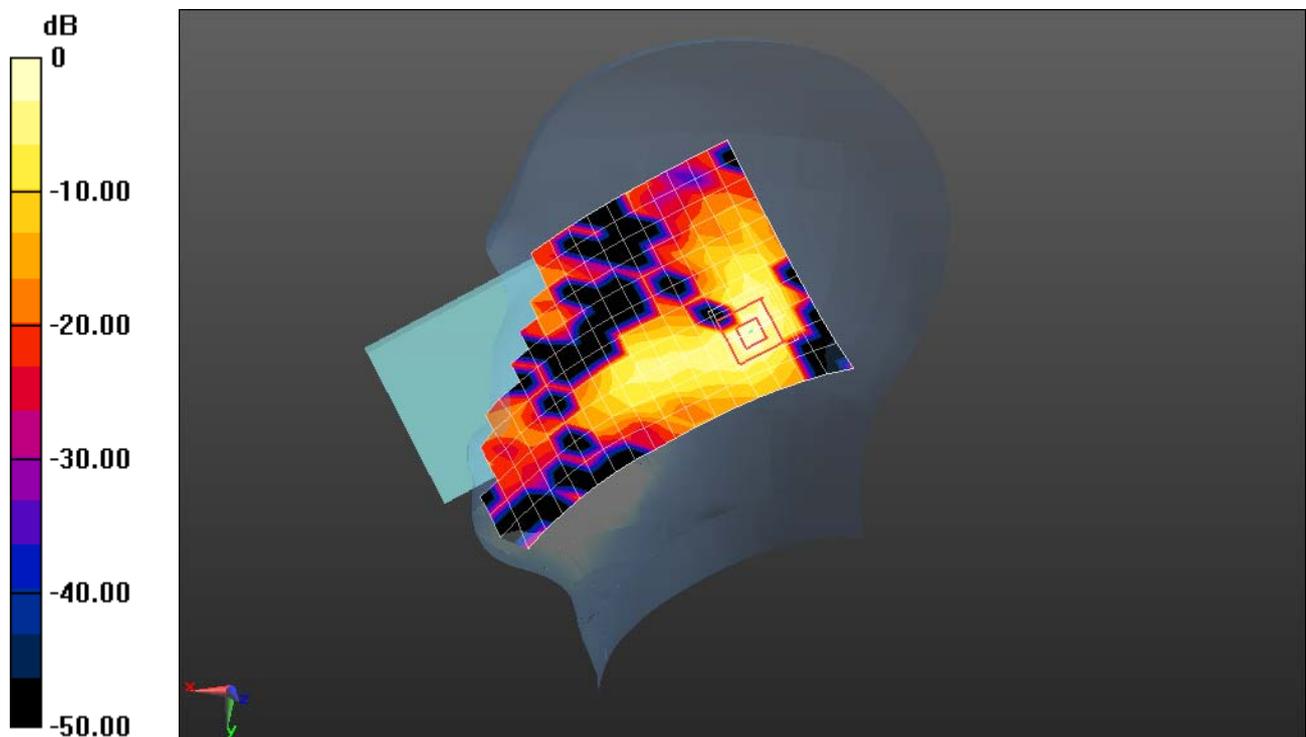
**Configuration/Head/Zoom Scan (8x8x7)/Cube 0:** Measurement grid:  $dx=4$ mm,  $dy=4$ mm,  $dz=1.4$ mm

Reference Value = 1.440 V/m; Power Drift = 0.13 dB

Peak SAR (extrapolated) = 1.29 W/kg

**SAR(1 g) = 0.157 W/kg; SAR(10 g) = 0.051 W/kg**

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



0 dB = 0.399 W/kg = -3.99 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

**MHA-L29 WIFI 5G 802.11ac 80M 106CH Right Tilt****DUT: MHA-L29; Type: Smart Phone; Serial: SAR2**

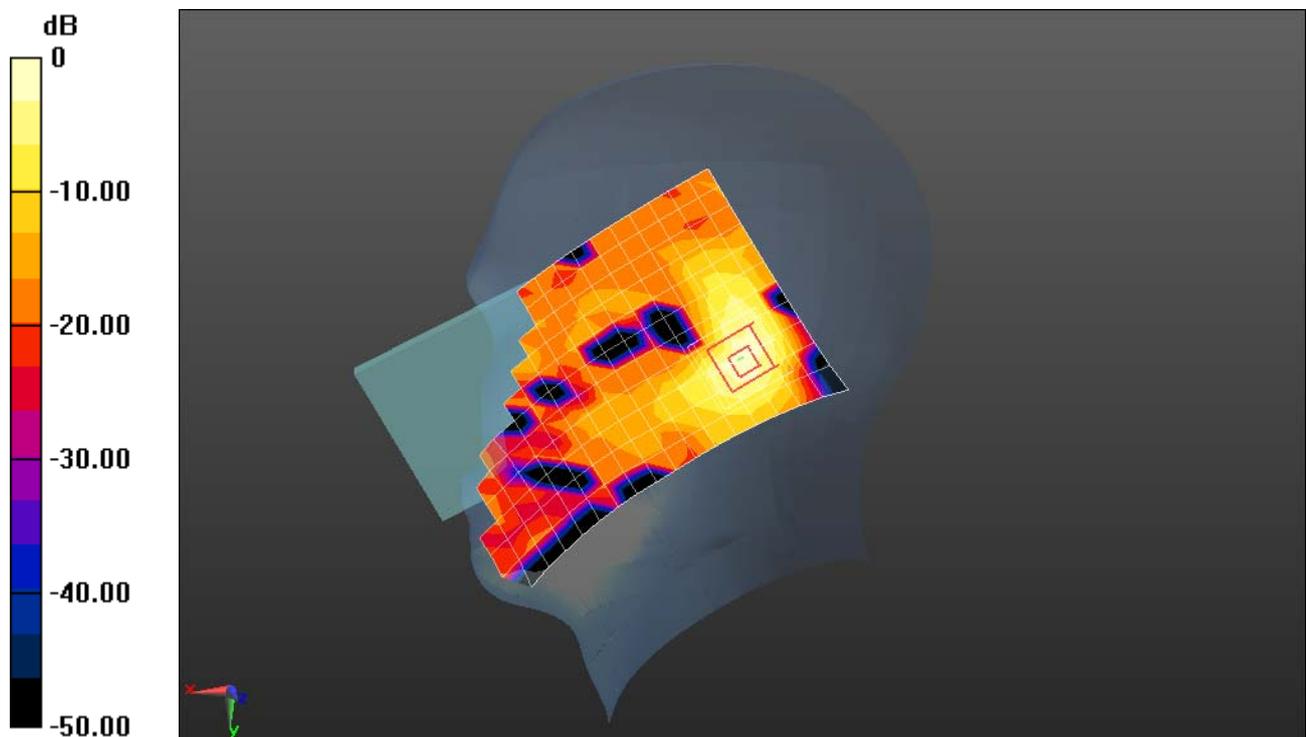
Communication System: UID 0, WiFi(802.11a/b/g/n/ac) (0); Frequency: 5530 MHz;Duty Cycle: 1:1  
 Medium parameters used:  $f = 5530$  MHz;  $\sigma = 5.111$  S/m;  $\epsilon_r = 36.402$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
 Phantom section: Right Section

DASY Configuration:

- ⌵ Probe: EX3DV4 - SN3736; ConvF(4.29, 4.29, 4.29); Calibrated: 2016-4-26;
- ⌵ Sensor-Surface: 1.4mm (Mechanical Surface Detection),  $z = 1.0, 25.0$
- ⌵ Electronics: DAE4 Sn1236; Calibrated: 2015-11-23
- ⌵ Phantom: SAM4; Type: SAM; Serial: TP-1620
- ⌵ DASY52 52.8.8(1222);

**Configuration/Head/Area Scan (12x20x1):** Measurement grid:  $dx=10$ mm,  $dy=10$ mm  
 Maximum value of SAR (measured) = 0.337 W/kg

**Configuration/Head/Zoom Scan (9x9x7)/Cube 0:** Measurement grid:  $dx=4$ mm,  $dy=4$ mm,  $dz=1.4$ mm  
 Reference Value = 1.174 V/m; Power Drift = 0.15 dB  
 Peak SAR (extrapolated) = 0.619 W/kg  
**SAR(1 g) = 0.155 W/kg; SAR(10 g) = 0.052 W/kg**  
 Maximum value of SAR (measured) = 0.381 W/kg



0 dB = 0.381 W/kg = -4.19 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

**MHA-L29 WIFI 5G 802.11n 40M 118CH Front Side 15mm with Battery 2****DUT: MHA-L29; Type: Smart Phone; Serial: SAR2**

Communication System: UID 0, WiFi(802.11a/b/g/n/ac) (0); Frequency: 5590 MHz;Duty Cycle: 1:1

Medium parameters used:  $f = 5590$  MHz;  $\sigma = 5.896$  S/m;  $\epsilon_r = 48.338$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY Configuration:

- ⌵ Probe: EX3DV4 - SN3736; ConvF(3.48, 3.48, 3.48); Calibrated: 2016-4-26;
- ⌵ Sensor-Surface: 1.4mm (Mechanical Surface Detection),  $z = 1.0, 25.0$
- ⌵ Electronics: DAE4 Sn1236; Calibrated: 2015-11-23
- ⌵ Phantom: SAM3; Type: SAM; Serial: TP-1597
- ⌵ DASY52 52.8.8(1222);

**Configuration/Body/Area Scan (11x19x1):** Measurement grid:  $dx=10$ mm,  $dy=10$ mm

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

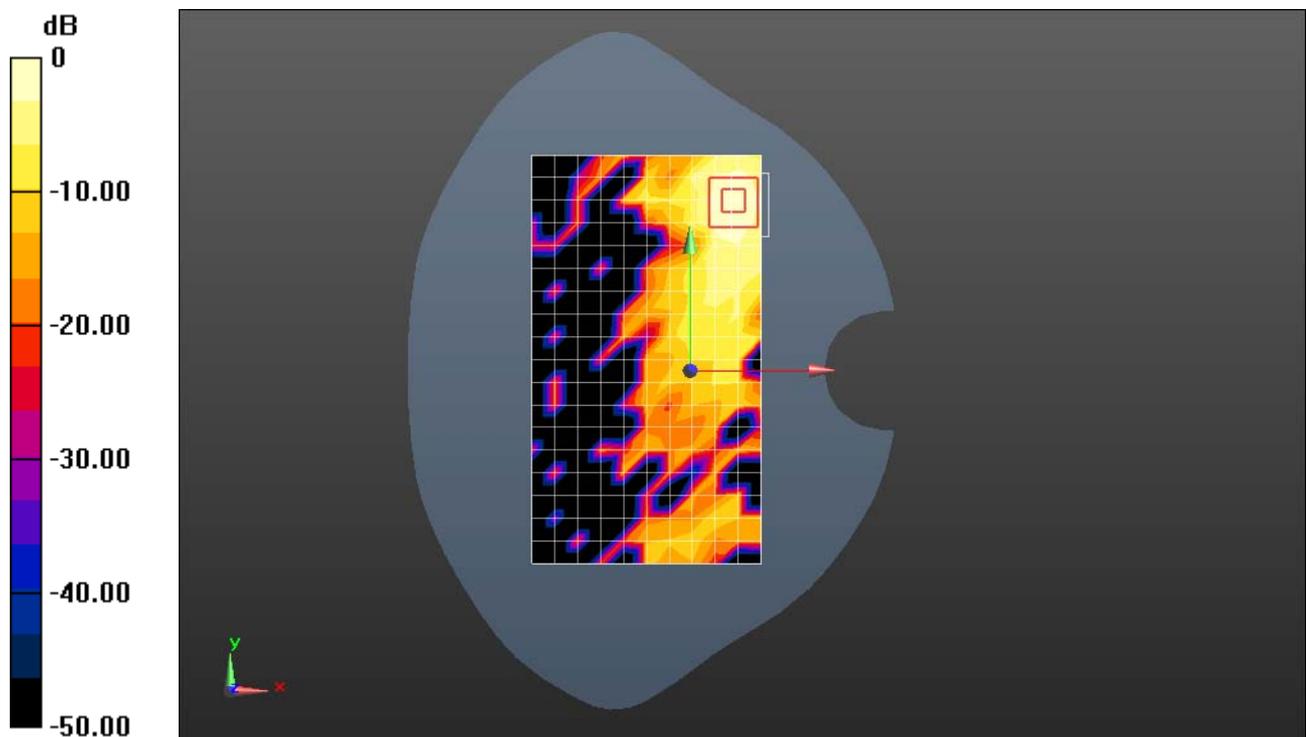
**Configuration/Body/Zoom Scan (9x8x7)/Cube 0:** Measurement grid:  $dx=4$ mm,  $dy=4$ mm,  $dz=1.4$ mm

Reference Value = 0.5740 V/m; Power Drift = 0.09 dB

Peak SAR (extrapolated) = 0.245 W/kg

**SAR(1 g) = 0.069 W/kg; SAR(10 g) = 0.025 W/kg**

Maximum value of SAR (measured) = 0.164 W/kg



0 dB = 0.164 W/kg = -7.84 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

**MHA-L29 WIFI 5G 802.11n 40M 151CH Right Side 10mm****DUT: MHA-L29; Type: Smart Phone; Serial: SAR2**

Communication System: UID 0, WiFi(802.11a/b/g/n/ac) (0); Frequency: 5755 MHz;Duty Cycle: 1:1

Medium parameters used:  $f = 5755$  MHz;  $\sigma = 5.978$  S/m;  $\epsilon_r = 49.01$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY Configuration:

- ζ Probe: EX3DV4 - SN3736; ConvF(3.6, 3.6, 3.6); Calibrated: 2016-4-26;
- ζ Sensor-Surface: 1.4mm (Mechanical Surface Detection),  $z = 1.0, 25.0$
- ζ Electronics: DAE4 Sn1236; Calibrated: 2015-11-23
- ζ Phantom: SAM3; Type: SAM; Serial: TP-1597
- ζ DASY52 52.8.8(1222);

**Configuration/Body/Area Scan (7x19x1):** Measurement grid:  $dx=10$ mm,  $dy=10$ mm

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

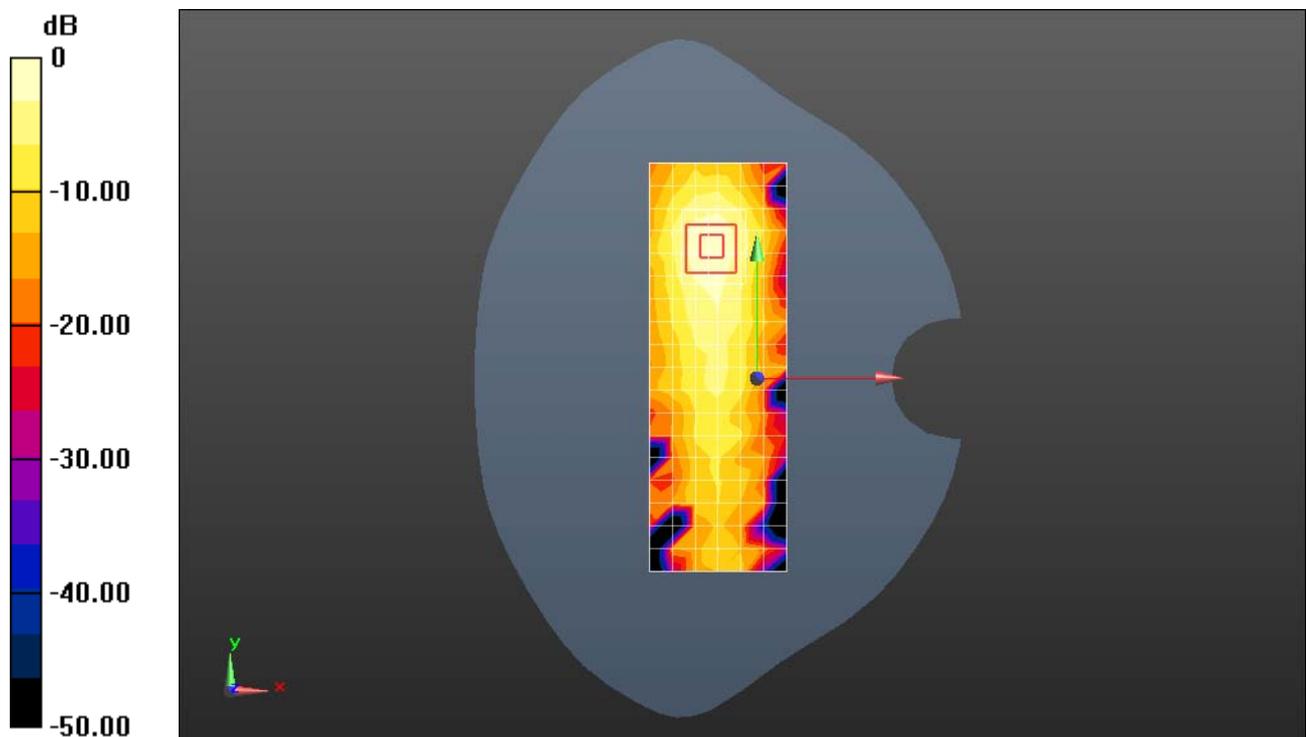
**Configuration/Body/Zoom Scan (8x9x7)/Cube 0:** Measurement grid:  $dx=4$ mm,  $dy=4$ mm,  $dz=1.4$ mm

Reference Value = 2.294 V/m; Power Drift = 0.11 dB

Peak SAR (extrapolated) = 0.513 W/kg

**SAR(1 g) = 0.139 W/kg; SAR(10 g) = 0.048 W/kg**

Maximum value of SAR (measured) = 0.328 W/kg



0 dB = 0.328 W/kg = -4.84 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

**MHA-L29 WIFI 5G 802.11n 40M 118CH Right Side 0mm****DUT: MHA-L29; Type: Smart Phone; Serial: SAR2**

Communication System: UID 0, WiFi(802.11a/b/g/n/ac) (0); Frequency: 5590 MHz;Duty Cycle: 1:1

Medium parameters used:  $f = 5590$  MHz;  $\sigma = 5.896$  S/m;  $\epsilon_r = 48.338$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY Configuration:

- ζ Probe: EX3DV4 - SN3736; ConvF(3.48, 3.48, 3.48); Calibrated: 2016-4-26;
- ζ Sensor-Surface: 1.4mm (Mechanical Surface Detection),  $z = 1.0, 25.0$
- ζ Electronics: DAE4 Sn1236; Calibrated: 2015-11-23
- ζ Phantom: SAM3; Type: SAM; Serial: TP-1597
- ζ DASY52 52.8.8(1222);

**Configuration/Body/Area Scan (7x20x1):** Measurement grid: dx=10mm, dy=10mm

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

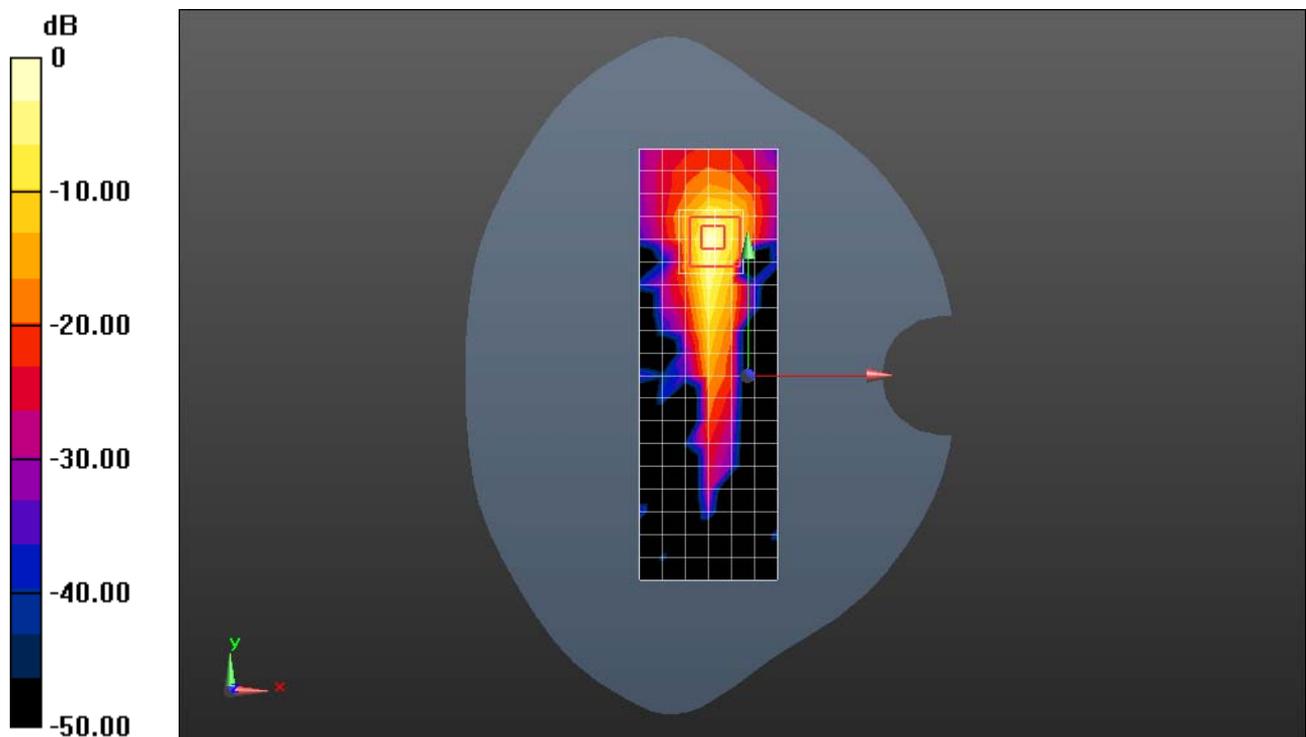
**Configuration/Body/Zoom Scan (8x8x7)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 4.221 V/m; Power Drift = 0.08 dB

Peak SAR (extrapolated) = 16.0 W/kg

**SAR(1 g) = 2.68 W/kg; SAR(10 g) = 0.623 W/kg**

Maximum value of SAR (measured) = 8.55 W/kg



0 dB = 8.55 W/kg = 9.32 dBW/kg