



## Appendix B. SAR Measurement Plots

<b>Table of contents</b>
<b>Head SAR</b>
<b>Body-Worn SAR</b>
<b>Hotspot ON SAR</b>
<b>Product Specific 10-g SAR</b>

Place of testing: HUAWEI SAR/HAC Lab

## WKG-LX9 GSM850 190CH Right Cheek with Battery3-Second Antenna

**DUT: WKG-LX9; Type: Smart Phone; Serial: DASY5**

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;  $\sigma = 0.924$  S/m;  $\epsilon_r = 41.136$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Right Section

DASY Configuration:

- Probe: EX3DV4 - SN3736; ConvF(8.8, 8.8, 8.8) @ 836.6 MHz; Calibrated: 2021-03-03
- Sensor-Surface: 1.4mm (Mechanical Surface Detection),  $z = 1.0, 31.0$
- Electronics: DAE4 Sn1531; Calibrated: 2021-02-24
- Phantom: SAM7; Type: SAM; Serial: 1594
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

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

Maximum value of SAR (measured) = 0.511 W/kg

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

Reference Value = 19.12 V/m; Power Drift = 0.08 dB

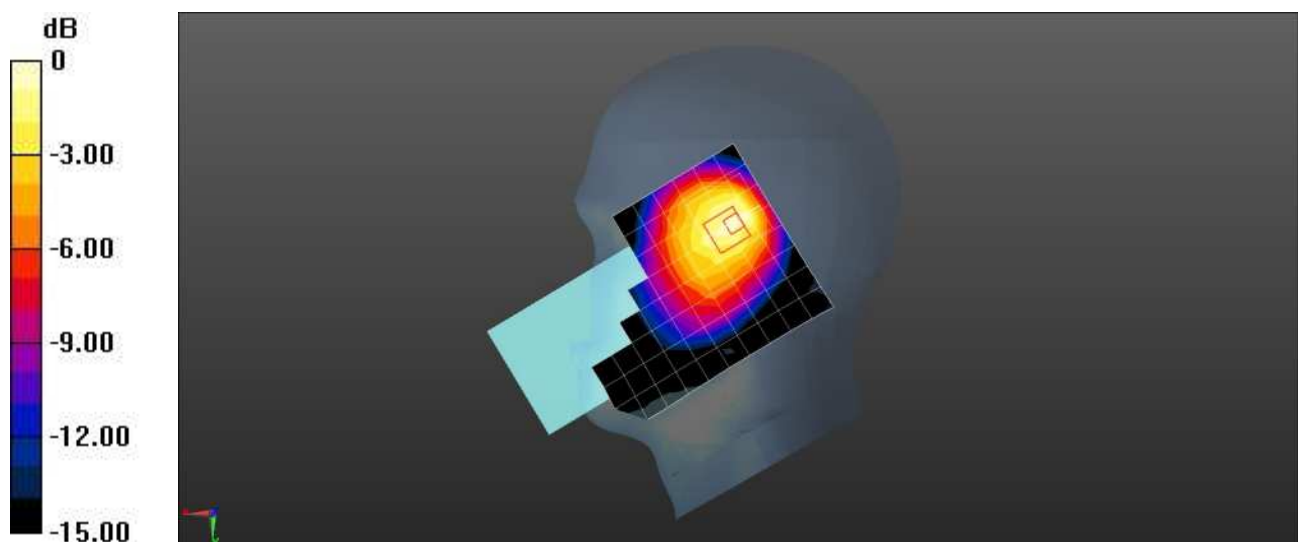
Peak SAR (extrapolated) = 0.684 W/kg

**SAR(1 g) = 0.388 W/kg; SAR(10 g) = 0.238 W/kg**

Smallest distance from peaks to all points 3 dB below = 13.2 mm

Ratio of SAR at M2 to SAR at M1 = 55.5%

Maximum value of SAR (measured) = 0.562 W/kg



0 dB = 0.562 W/kg = -2.50 dBW/kg

Place of testing: HUAWEI SAR/HAC Lab

## WKG-LX9 GSM850 190CH Left Cheek-Main Antenna

**DUT: WKG-LX9; Type: Smart Phone; Serial: DASY5**

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;  $\sigma = 0.924$  S/m;  $\epsilon_r = 41.136$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Left Section

DASY Configuration:

- Probe: EX3DV4 - SN3736; ConvF(8.8, 8.8, 8.8) @ 836.6 MHz; Calibrated: 2021-03-03
- Sensor-Surface: 1.4mm (Mechanical Surface Detection),  $z = 1.0, 31.0$
- Electronics: DAE4 Sn1531; Calibrated: 2021-02-24
- Phantom: SAM7; Type: SAM; Serial: 1594
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

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

Maximum value of SAR (measured) = 0.148 W/kg

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

Reference Value = 4.902 V/m; Power Drift = 0.02 dB

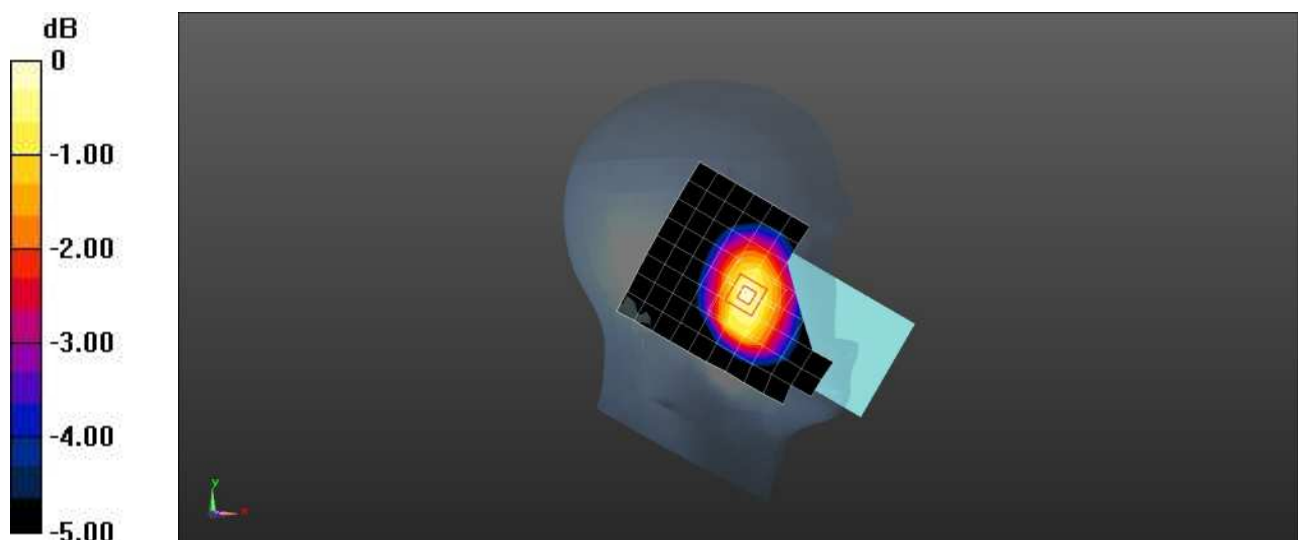
Peak SAR (extrapolated) = 0.163 W/kg

**SAR(1 g) = 0.125 W/kg; SAR(10 g) = 0.096 W/kg**

Smallest distance from peaks to all points 3 dB below: Larger than measurement grid

Ratio of SAR at M2 to SAR at M1 = 77.7%

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



0 dB = 0.151 W/kg = -8.21 dBW/kg

Place of testing: HUAWEI SAR/HAC Lab

## WKG-LX9 GSM850 190CH Back Side 15mm-Second Antenna

**DUT: WKG-LX9; Type: Smart Phone; Serial: DASY5**

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;  $\sigma = 0.924$  S/m;  $\epsilon_r = 41.136$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3736; ConvF(8.8, 8.8, 8.8) @ 836.6 MHz; Calibrated: 2021-03-03
- Sensor-Surface: 1.4mm (Mechanical Surface Detection),  $z = 1.0, 31.0$
- Electronics: DAE4 Sn1531; Calibrated: 2021-02-24
- Phantom: SAM7; Type: SAM; Serial: 1594
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

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

Maximum value of SAR (measured) = 0.198 W/kg

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

Reference Value = 10.04 V/m; Power Drift = 0.04 dB

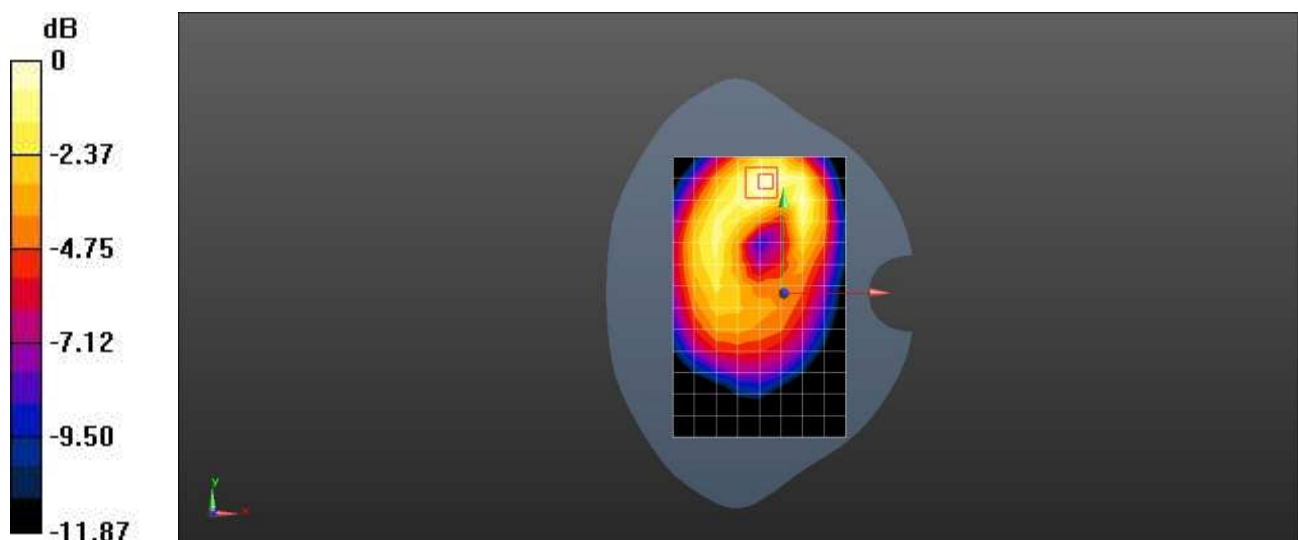
Peak SAR (extrapolated) = 0.249 W/kg

**SAR(1 g) = 0.155 W/kg; SAR(10 g) = 0.100 W/kg**

Smallest distance from peaks to all points 3 dB below = 17 mm

Ratio of SAR at M2 to SAR at M1 = 63.9%

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



0 dB = 0.210 W/kg = -6.79 dBW/kg

Place of testing: HUAWEI SAR/HAC Lab

## WKG-LX9 GSM850 190CH Back Side 15mm with Battery2-Main Antenna

**DUT: WKG-LX9; Type: Smart Phone; Serial: DASY5**

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;  $\sigma = 0.924$  S/m;  $\epsilon_r = 41.136$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3736; ConvF(8.8, 8.8, 8.8) @ 836.6 MHz; Calibrated: 2021-03-03
- Sensor-Surface: 1.4mm (Mechanical Surface Detection),  $z = 1.0, 31.0$
- Electronics: DAE4 Sn1531; Calibrated: 2021-02-24
- Phantom: SAM7; Type: SAM; Serial: 1594
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

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

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

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

Reference Value = 17.86 V/m; Power Drift = -0.03 dB

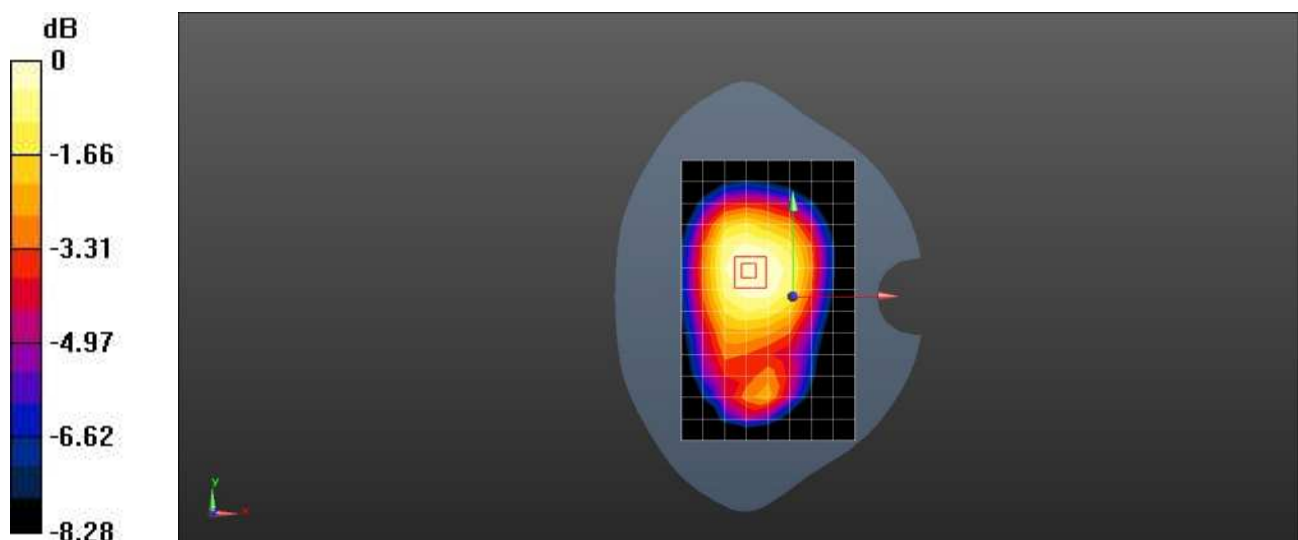
Peak SAR (extrapolated) = 0.316 W/kg

**SAR(1 g) = 0.232 W/kg; SAR(10 g) = 0.174 W/kg**

Smallest distance from peaks to all points 3 dB below: Larger than measurement grid

Ratio of SAR at M2 to SAR at M1 = 73.4%

Maximum value of SAR (measured) = 0.286 W/kg



0 dB = 0.286 W/kg = -5.44 dBW/kg

Place of testing: HUAWEI SAR/HAC Lab

## WKG-LX9 GSM850 GPRS 3TS 190CH Back Side 10mm-Second Antenna

**DUT: WKG-LX9; Type: Smart Phone; Serial: DASY5**

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;  $\sigma = 0.924$  S/m;  $\epsilon_r = 41.136$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3736; ConvF(8.8, 8.8, 8.8) @ 836.6 MHz; Calibrated: 2021-03-03
- Sensor-Surface: 1.4mm (Mechanical Surface Detection),  $z = 1.0, 31.0$
- Electronics: DAE4 Sn1531; Calibrated: 2021-02-24
- Phantom: SAM7; Type: SAM; Serial: 1594
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

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

Maximum value of SAR (measured) = 0.253 W/kg

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

Reference Value = 10.04 V/m; Power Drift = -0.15 dB

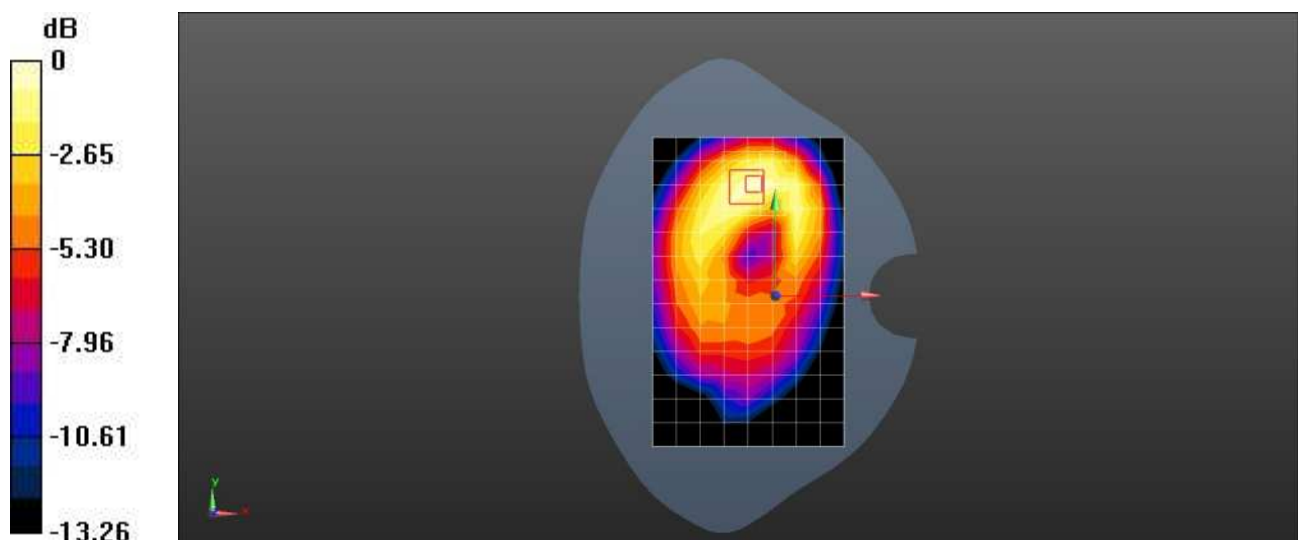
Peak SAR (extrapolated) = 0.334 W/kg

**SAR(1 g) = 0.213 W/kg; SAR(10 g) = 0.140 W/kg**

Smallest distance from peaks to all points 3 dB below = 16.5 mm

Ratio of SAR at M2 to SAR at M1 = 63.4%

Maximum value of SAR (measured) = 0.280 W/kg



0 dB = 0.280 W/kg = -5.52 dBW/kg

Place of testing: HUAWEI SAR/HAC Lab

## **WKG-LX9 GSM850 GPRS 3TS 190CH Back Side 10mm-Main Antenna**

**DUT: WKG-LX9; Type: Smart Phone; Serial: DASY5**

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;  $\sigma = 0.924$  S/m;  $\epsilon_r = 41.136$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3736; ConvF(8.8, 8.8, 8.8) @ 836.6 MHz; Calibrated: 2021-03-03
- Sensor-Surface: 1.4mm (Mechanical Surface Detection),  $z = 1.0, 31.0$
- Electronics: DAE4 Sn1531; Calibrated: 2021-02-24
- Phantom: SAM7; Type: SAM; Serial: 1594
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

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

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

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

Reference Value = 15.96 V/m; Power Drift = -0.12 dB

Peak SAR (extrapolated) = 0.372 W/kg

**SAR(1 g) = 0.207 W/kg; SAR(10 g) = 0.125 W/kg**

Smallest distance from peaks to all points 3 dB below = 14.3 mm

Ratio of SAR at M2 to SAR at M1 = 54.1%

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

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

Reference Value = 15.96 V/m; Power Drift = -0.12 dB

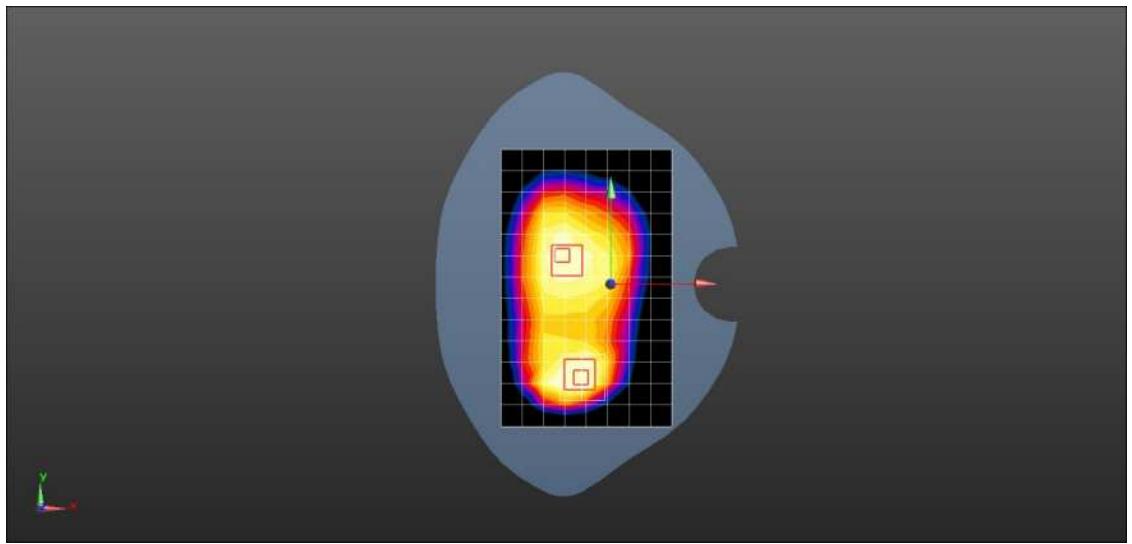
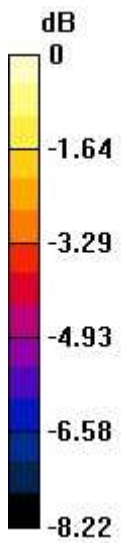
Peak SAR (extrapolated) = 0.269 W/kg

**SAR(1 g) = 0.191 W/kg; SAR(10 g) = 0.143 W/kg**

Smallest distance from peaks to all points 3 dB below: Larger than measurement grid

Ratio of SAR at M2 to SAR at M1 = 67.8%

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



0 dB = 0.241 W/kg = -6.18 dBW/kg



Place of testing: HUAWEI SAR/HAC Lab

## WKG-LX9 GSM1900 661CH Right Cheek-Second Antenna

**DUT: WKG-LX9; Type: Smart Phone; Serial: DASY5**

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

Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.43$  S/m;  $\epsilon_r = 39.164$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Right Section

DASY Configuration:

- Probe: EX3DV4 - SN3736; ConvF(7.83, 7.83, 7.83) @ 1880 MHz; Calibrated: 2021-03-03
- Sensor-Surface: 1.4mm (Mechanical Surface Detection),  $z = 1.0, 31.0$
- Electronics: DAE4 Sn1531; Calibrated: 2021-02-24
- Phantom: SAM7; Type: SAM; Serial: 1594
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

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

Maximum value of SAR (measured) = 0.0123 W/kg

**Configuration/Head/Zoom Scan (7x6x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 1.110 V/m; Power Drift = -0.08 dB

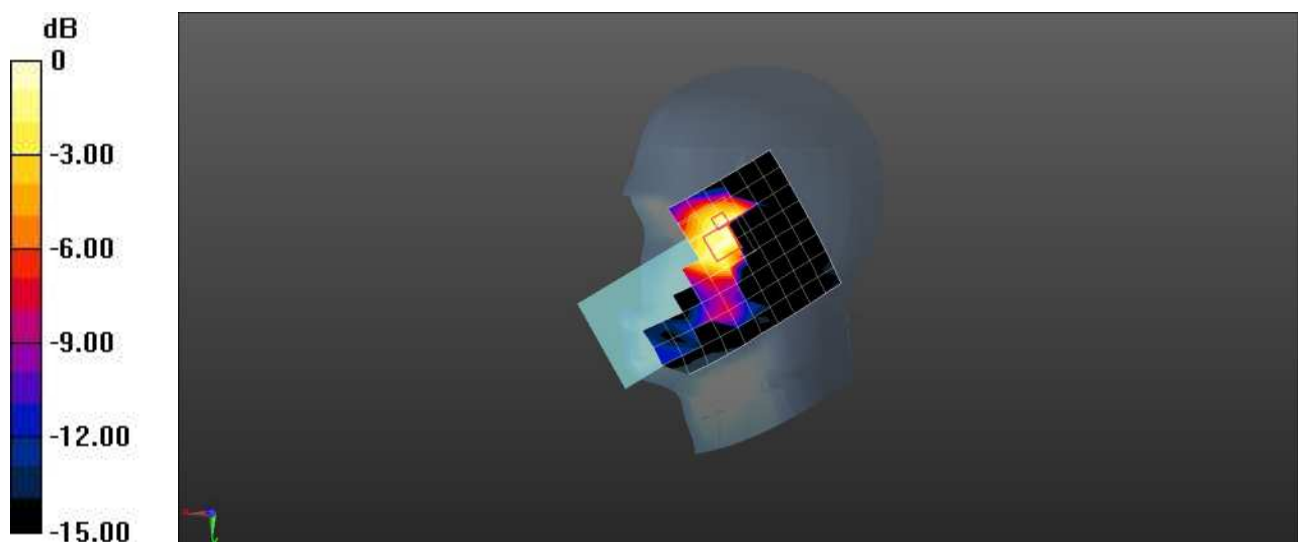
Peak SAR (extrapolated) = 0.0290 W/kg

**SAR(1 g) = 0.00904 W/kg; SAR(10 g) = 0.00467 W/kg**

Smallest distance from peaks to all points 3 dB below: Larger than measurement grid

Ratio of SAR at M2 to SAR at M1 = 50.7%

Maximum value of SAR (measured) = 0.0122 W/kg



0 dB = 0.0122 W/kg = -19.13 dBW/kg

Place of testing: HUAWEI SAR/HAC Lab

## WKG-LX9 GSM1900 661CH Right Cheek with Battery2-Main Antenna

**DUT: WKG-LX9; Type: Smart Phone; Serial: DASY5**

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

Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.43$  S/m;  $\epsilon_r = 39.164$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Right Section

DASY Configuration:

- Probe: EX3DV4 - SN3736; ConvF(7.83, 7.83, 7.83) @ 1880 MHz; Calibrated: 2021-03-03
- Sensor-Surface: 1.4mm (Mechanical Surface Detection),  $z = 1.0, 31.0$
- Electronics: DAE4 Sn1531; Calibrated: 2021-02-24
- Phantom: SAM7; Type: SAM; Serial: 1594
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

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

Maximum value of SAR (measured) = 0.536 W/kg

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

Reference Value = 15.05 V/m; Power Drift = 0.06 dB

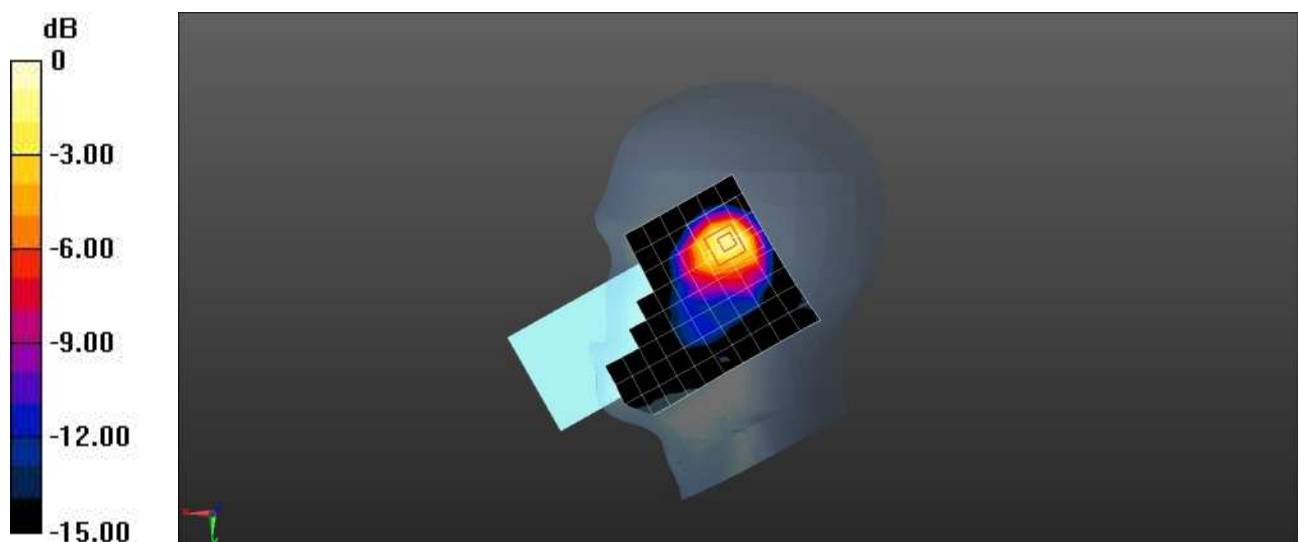
Peak SAR (extrapolated) = 0.870 W/kg

**SAR(1 g) = 0.466 W/kg; SAR(10 g) = 0.252 W/kg**

Smallest distance from peaks to all points 3 dB below = 10.2 mm

Ratio of SAR at M2 to SAR at M1 = 52.7%

Maximum value of SAR (measured) = 0.698 W/kg



0 dB = 0.698 W/kg = -1.56 dBW/kg

Place of testing: HUAWEI SAR/HAC Lab

## WKG-LX9 GSM1900 661CH Back Side 15mm -Second Antenna

**DUT: WKG-LX9; Type: Smart Phone; Serial: DASY5**

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

Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.43$  S/m;  $\epsilon_r = 39.164$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3736; ConvF(7.83, 7.83, 7.83) @ 1880 MHz; Calibrated: 2021-03-03
- Sensor-Surface: 1.4mm (Mechanical Surface Detection),  $z = 1.0, 31.0$
- Electronics: DAE4 Sn1531; Calibrated: 2021-02-24
- Phantom: SAM7; Type: SAM; Serial: 1594
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

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

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

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

Reference Value = 3.009 V/m; Power Drift = 0.16 dB

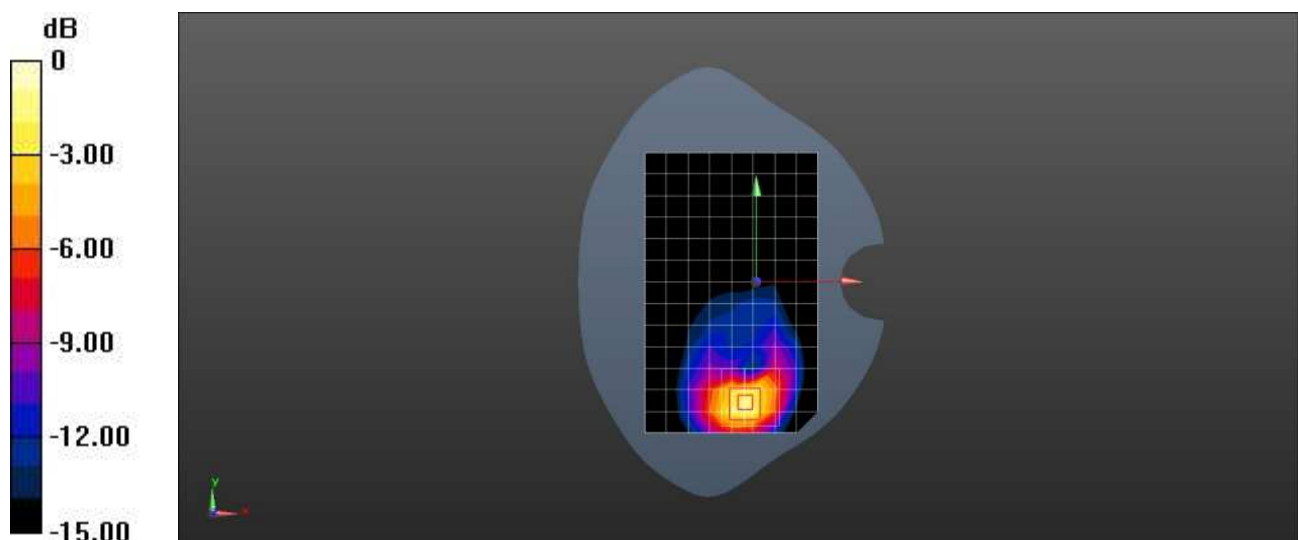
Peak SAR (extrapolated) = 0.403 W/kg

**SAR(1 g) = 0.226 W/kg; SAR(10 g) = 0.120 W/kg**

Smallest distance from peaks to all points 3 dB below = 11.2 mm

Ratio of SAR at M2 to SAR at M1 = 57.5%

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



0 dB = 0.339 W/kg = -4.70 dBW/kg

Place of testing: HUAWEI SAR/HAC Lab

## WKG-LX9 GSM1900 661CH Back Side 15mm -Main Antenna

**DUT: WKG-LX9; Type: Smart Phone; Serial: DASY5**

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

Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.43$  S/m;  $\epsilon_r = 39.164$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3736; ConvF(7.83, 7.83, 7.83) @ 1880 MHz; Calibrated: 2021-03-03
- Sensor-Surface: 1.4mm (Mechanical Surface Detection),  $z = 1.0, 31.0$
- Electronics: DAE4 Sn1531; Calibrated: 2021-02-24
- Phantom: SAM7; Type: SAM; Serial: 1594
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

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

Maximum value of SAR (measured) = 0.487 W/kg

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

Reference Value = 9.780 V/m; Power Drift = -0.00 dB

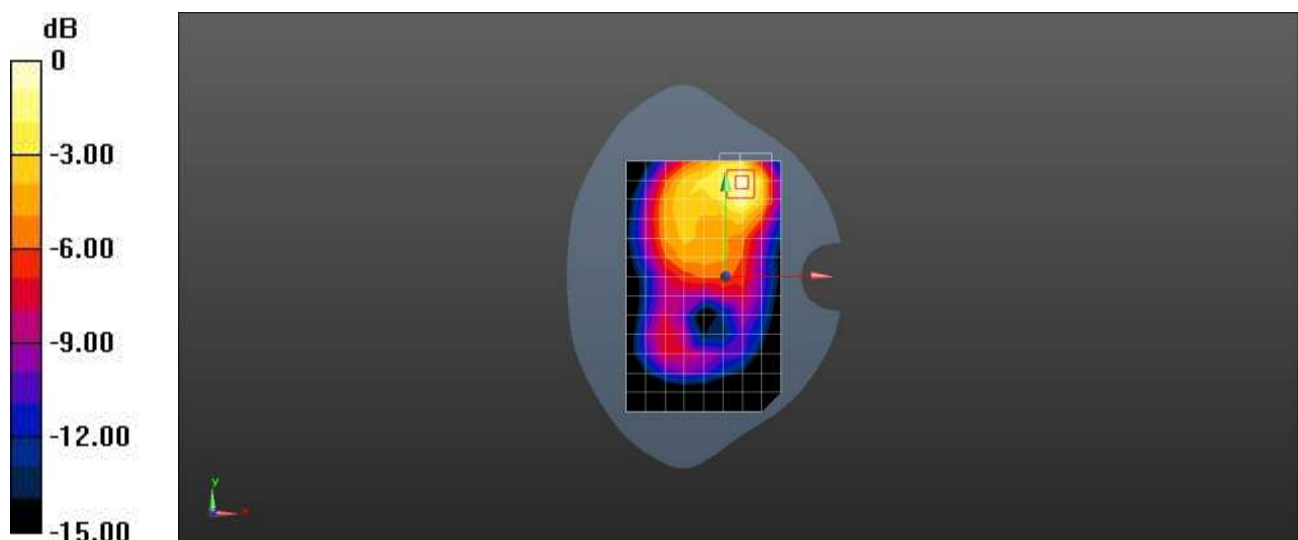
Peak SAR (extrapolated) = 0.586 W/kg

**SAR(1 g) = 0.330 W/kg; SAR(10 g) = 0.187 W/kg**

Smallest distance from peaks to all points 3 dB below = 12.5 mm

Ratio of SAR at M2 to SAR at M1 = 56.4%

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



0 dB = 0.482 W/kg = -3.17 dBW/kg

Place of testing: HUAWEI SAR/HAC Lab

## WKG-LX9 GSM1900 GPRS 3TS 661CH Bottom Side 10mm with Battery2-Second Antenna

**DUT: WKG-LX9; Type: Smart Phone; Serial: DASY5**

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

Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.43$  S/m;  $\epsilon_r = 39.164$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3736; ConvF(7.83, 7.83, 7.83) @ 1880 MHz; Calibrated: 2021-03-03
- Sensor-Surface: 1.4mm (Mechanical Surface Detection),  $z = 1.0, 31.0$
- Electronics: DAE4 Sn1531; Calibrated: 2021-02-24
- Phantom: SAM7; Type: SAM; Serial: 1594
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

**Configuration/Body/Area Scan (5x9x1):** Measurement grid:  $dx=15$ mm,  $dy=15$ mm  
Maximum value of SAR (measured) = 0.712 W/kg

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

Reference Value = 6.649 V/m; Power Drift = 0.03 dB

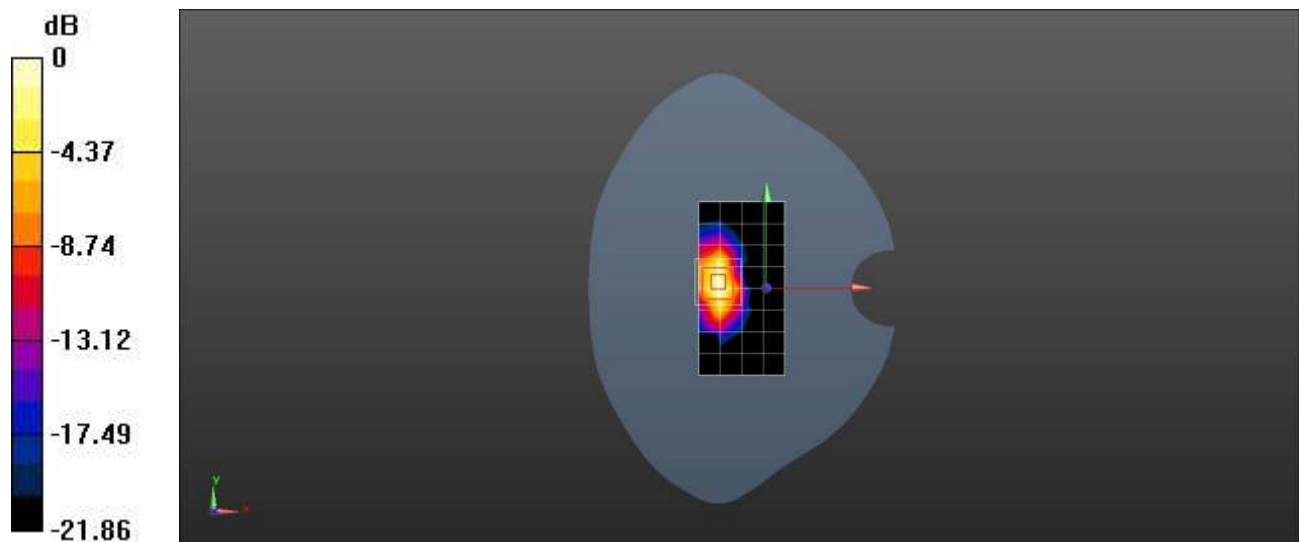
Peak SAR (extrapolated) = 0.740 W/kg

**SAR(1 g) = 0.351 W/kg; SAR(10 g) = 0.162 W/kg**

Smallest distance from peaks to all points 3 dB below = 8 mm

Ratio of SAR at M2 to SAR at M1 = 49.3%

Maximum value of SAR (measured) = 0.593 W/kg



0 dB = 0.593 W/kg = -2.27 dBW/kg

Place of testing: HUAWEI SAR/HAC Lab

## WKG-LX9 GSM1900 GPRS 2TS 661CH Back Side 10mm -Main Antenna

**DUT: WKG-LX9; Type: Smart Phone; Serial: DASY5**

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

Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.43$  S/m;  $\epsilon_r = 39.164$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3736; ConvF(7.83, 7.83, 7.83) @ 1880 MHz; Calibrated: 2021-03-03
- Sensor-Surface: 1.4mm (Mechanical Surface Detection),  $z = 1.0, 31.0$
- Electronics: DAE4 Sn1531; Calibrated: 2021-02-24
- Phantom: SAM7; Type: SAM; Serial: 1594
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

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

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

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

Reference Value = 5.217 V/m; Power Drift = 0.00 dB

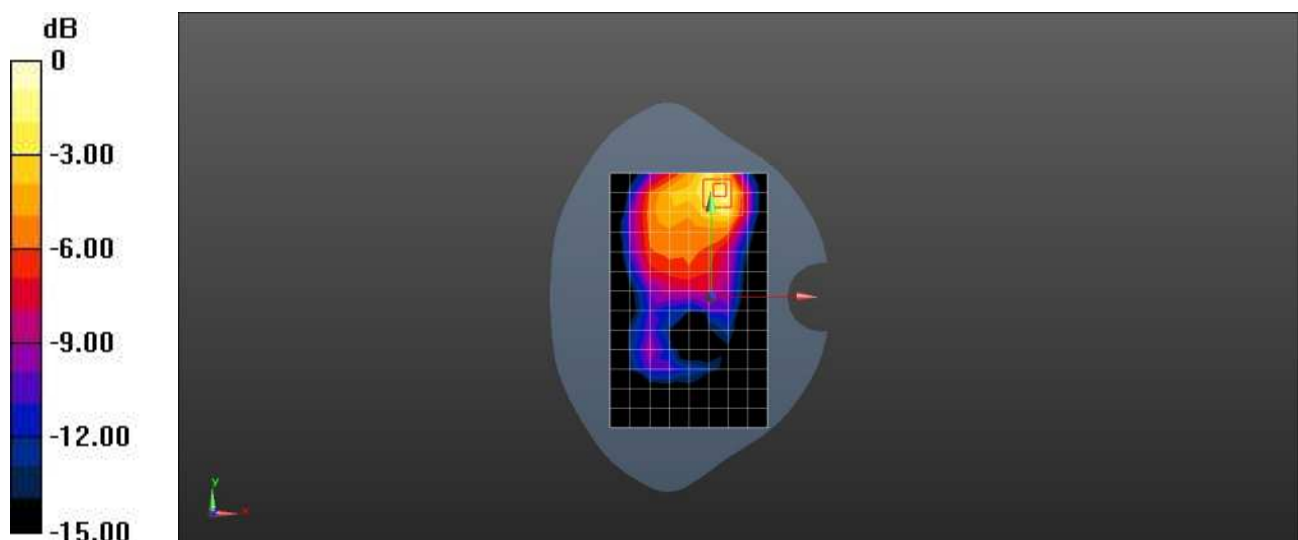
Peak SAR (extrapolated) = 0.363 W/kg

**SAR(1 g) = 0.190 W/kg; SAR(10 g) = 0.103 W/kg**

Smallest distance from peaks to all points 3 dB below = 9.1 mm

Ratio of SAR at M2 to SAR at M1 = 51.2%

Maximum value of SAR (measured) = 0.279 W/kg



0 dB = 0.279 W/kg = -5.54 dBW/kg

Place of testing: HUAWEI SAR/HAC Lab

## WKG-LX9 UMTS Band II 9400CH Right Cheek with Battery3-Second antenna

**DUT: WKG-LX9; Type: Smart Phone; Serial: DASY5**

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

Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.43$  S/m;  $\epsilon_r = 39.164$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Right Section

DASY Configuration:

- Probe: EX3DV4 - SN3736; ConvF(7.83, 7.83, 7.83) @ 1880 MHz; Calibrated: 2021-03-03
- Sensor-Surface: 1.4mm (Mechanical Surface Detection),  $z = 1.0, 31.0$
- Electronics: DAE4 Sn1531; Calibrated: 2021-02-24
- Phantom: SAM7; Type: SAM; Serial: 1594
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

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

Maximum value of SAR (measured) = 0.0304 W/kg

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

Reference Value = 0.3630 V/m; Power Drift = 0.01 dB

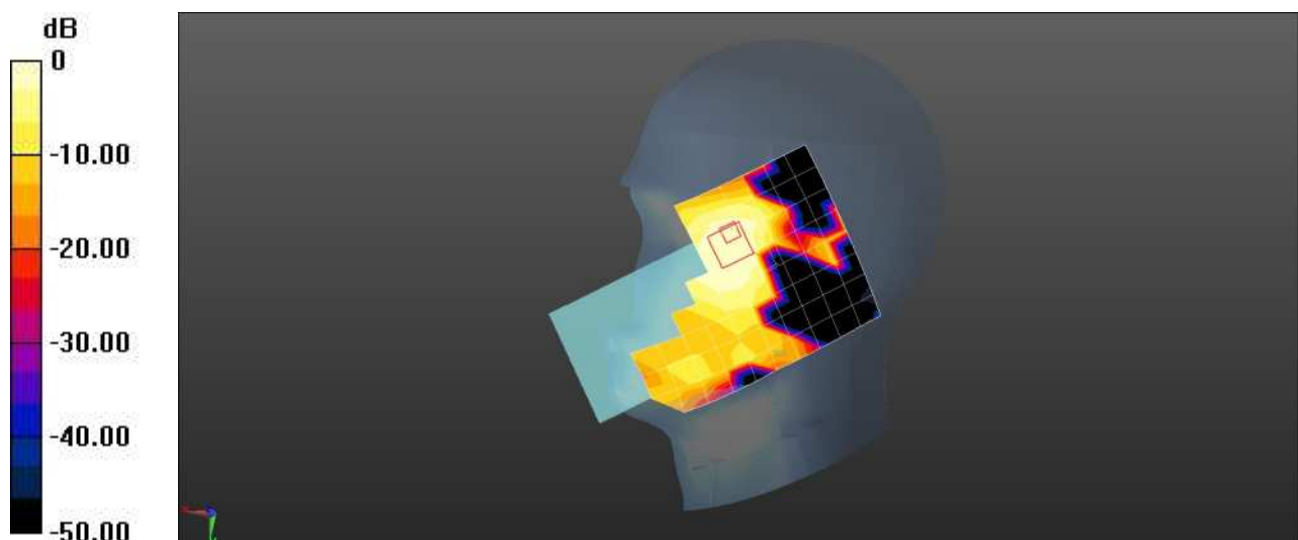
Peak SAR (extrapolated) = 0.0390 W/kg

**SAR(1 g) = 0.020 W/kg; SAR(10 g) = 0.013 W/kg**

Smallest distance from peaks to all points 3 dB below: Larger than measurement grid

Ratio of SAR at M2 to SAR at M1 = 53.6%

Maximum value of SAR (measured) = 0.0318 W/kg



0 dB = 0.0318 W/kg = -14.98 dBW/kg

Place of testing: HUAWEI SAR/HAC Lab

## WKG-LX9 UMTS Band II 9400CH Right Cheek with Battery2-Main antenna

**DUT: WKG-LX9; Type: Smart Phone; Serial: DASY5**

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

Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.43$  S/m;  $\epsilon_r = 39.164$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Right Section

DASY Configuration:

- Probe: EX3DV4 - SN3736; ConvF(7.83, 7.83, 7.83) @ 1880 MHz; Calibrated: 2021-03-03
- Sensor-Surface: 1.4mm (Mechanical Surface Detection),  $z = 1.0, 31.0$
- Electronics: DAE4 Sn1531; Calibrated: 2021-02-24
- Phantom: SAM7; Type: SAM; Serial: 1594
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

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

Maximum value of SAR (measured) = 0.980 W/kg

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

Reference Value = 18.50 V/m; Power Drift = 0.05 dB

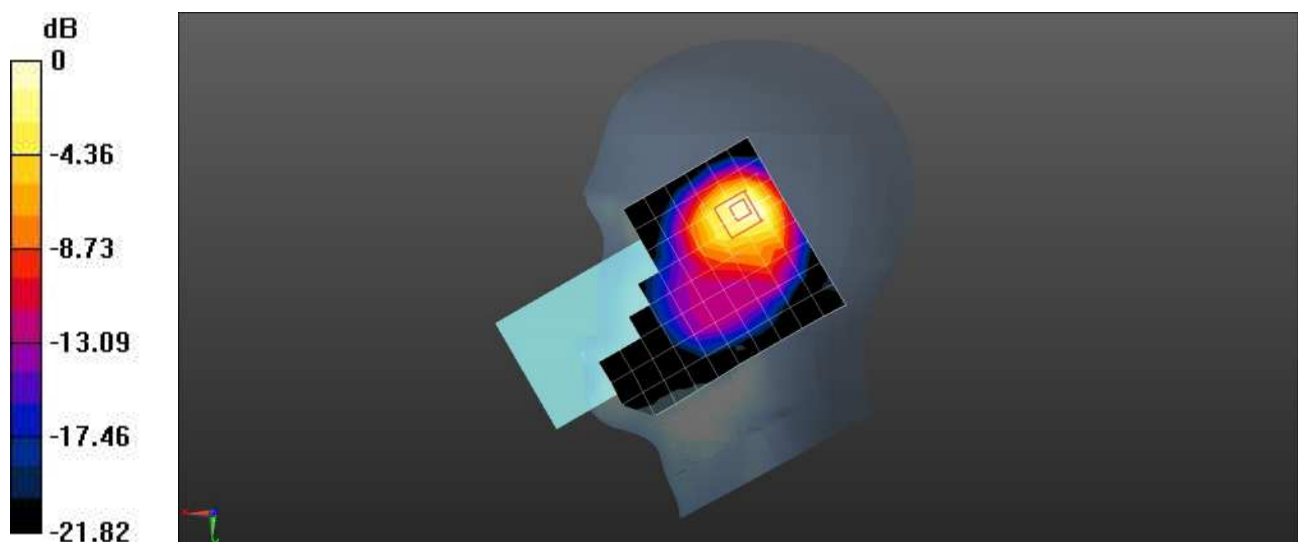
Peak SAR (extrapolated) = 1.40 W/kg

**SAR(1 g) = 0.725 W/kg; SAR(10 g) = 0.395 W/kg**

Smallest distance from peaks to all points 3 dB below = 10.1 mm

Ratio of SAR at M2 to SAR at M1 = 51.1%

Maximum value of SAR (measured) = 1.10 W/kg





Place of testing: HUAWEI SAR/HAC Lab

## WKG-LX9 UMTS Band II 9400CH Back Side 15mm with Battery2-Second antenna

**DUT: WKG-LX9; Type: Smart Phone; Serial: DASY5**

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

Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.43$  S/m;  $\epsilon_r = 39.164$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3736; ConvF(7.83, 7.83, 7.83) @ 1880 MHz; Calibrated: 2021-03-03
- Sensor-Surface: 1.4mm (Mechanical Surface Detection),  $z = 1.0, 31.0$
- Electronics: DAE4 Sn1531; Calibrated: 2021-02-24
- Phantom: SAM7; Type: SAM; Serial: 1594
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

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

Maximum value of SAR (measured) = 0.316 W/kg

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

Reference Value = 4.172 V/m; Power Drift = 0.18 dB

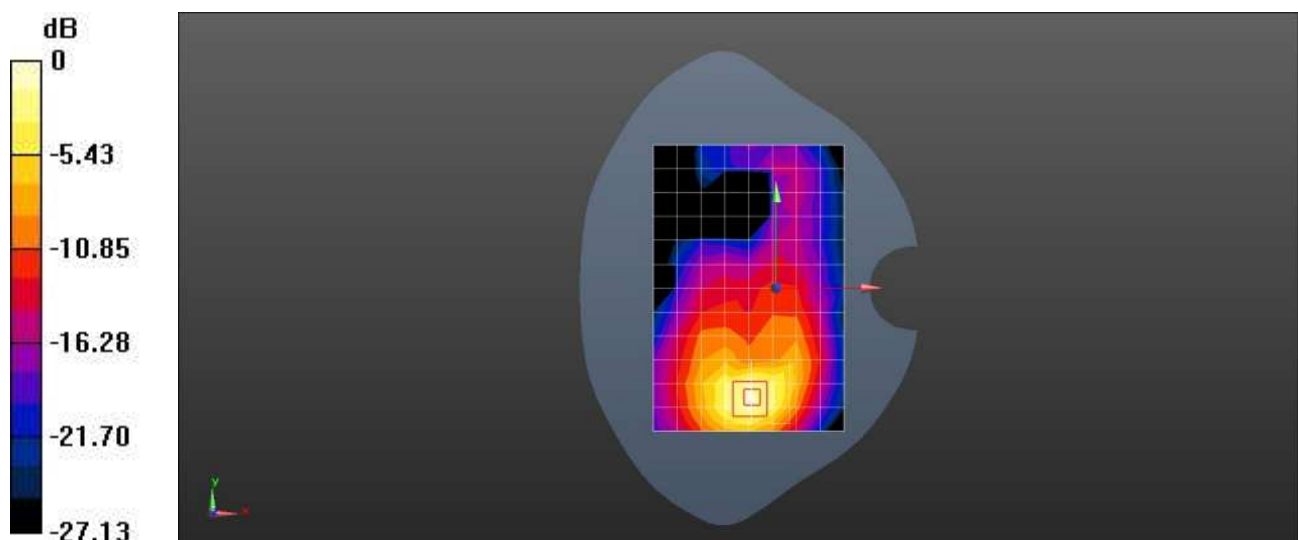
Peak SAR (extrapolated) = 0.482 W/kg

**SAR(1 g) = 0.271 W/kg; SAR(10 g) = 0.145 W/kg**

Smallest distance from peaks to all points 3 dB below = 11.6 mm

Ratio of SAR at M2 to SAR at M1 = 57.6%

Maximum value of SAR (measured) = 0.403 W/kg



0 dB = 0.403 W/kg = -3.95 dBW/kg

Place of testing: HUAWEI SAR/HAC Lab

## WKG-LX9 UMTS Band II 9400CH Back Side 15mm-Main antenna

**DUT: WKG-LX9; Type: Smart Phone; Serial: DASY5**

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

Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.43$  S/m;  $\epsilon_r = 39.164$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3736; ConvF(7.83, 7.83, 7.83) @ 1880 MHz; Calibrated: 2021-03-03
- Sensor-Surface: 1.4mm (Mechanical Surface Detection),  $z = 1.0, 31.0$
- Electronics: DAE4 Sn1531; Calibrated: 2021-02-24
- Phantom: SAM7; Type: SAM; Serial: 1594
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

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

Maximum value of SAR (measured) = 0.405 W/kg

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

Reference Value = 10.74 V/m; Power Drift = 0.07 dB

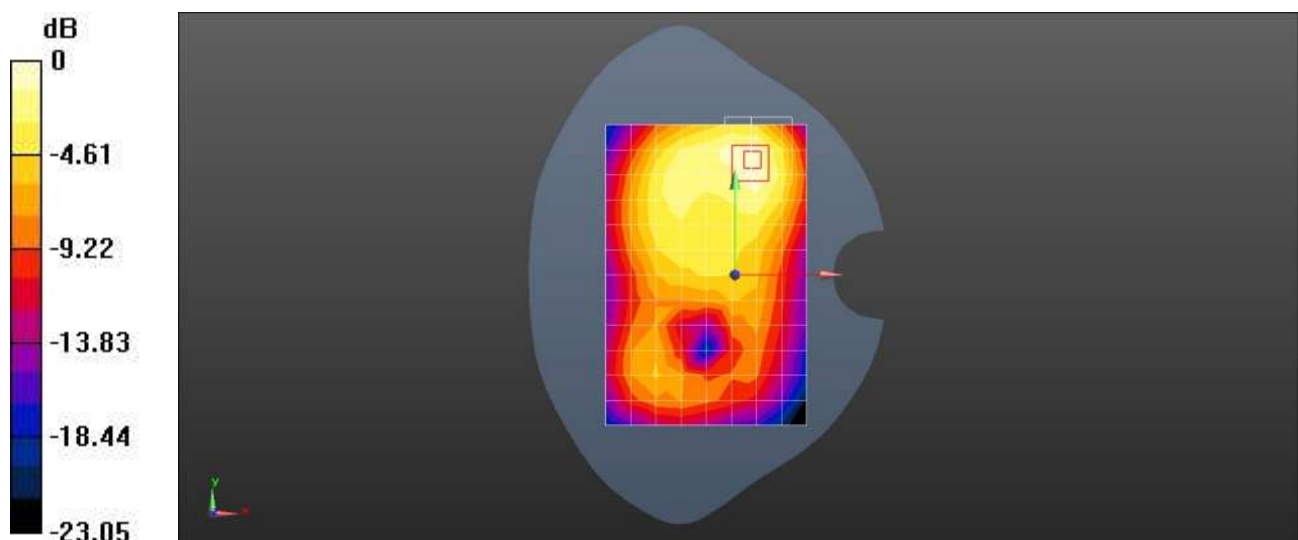
Peak SAR (extrapolated) = 0.525 W/kg

**SAR(1 g) = 0.290 W/kg; SAR(10 g) = 0.170 W/kg**

Smallest distance from peaks to all points 3 dB below = 15.8 mm

Ratio of SAR at M2 to SAR at M1 = 54.8%

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



0 dB = 0.433 W/kg = -3.63 dBW/kg

Place of testing: HUAWEI SAR/HAC Lab

## WKG-LX9 UMTS Band II 9400CH Bottom Side 10mm with Battery3-Second antenna

**DUT: WKG-LX9; Type: Smart Phone; Serial: DASY5**

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

Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.43$  S/m;  $\epsilon_r = 39.164$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3736; ConvF(7.83, 7.83, 7.83) @ 1880 MHz; Calibrated: 2021-03-03
- Sensor-Surface: 1.4mm (Mechanical Surface Detection),  $z = 1.0, 31.0$
- Electronics: DAE4 Sn1531; Calibrated: 2021-02-24
- Phantom: SAM7; Type: SAM; Serial: 1594
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

**Configuration/Body/Area Scan (5x9x1):** Measurement grid:  $dx=15$ mm,  $dy=15$ mm  
Maximum value of SAR (measured) = 0.663 W/kg

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

Reference Value = 18.32 V/m; Power Drift = 0.13 dB

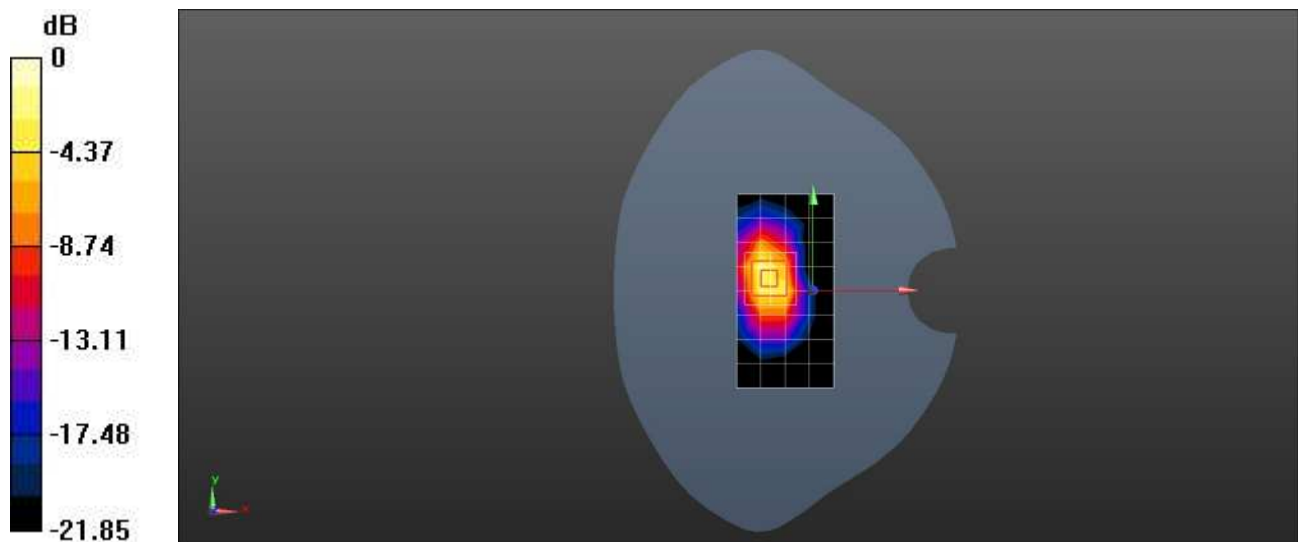
Peak SAR (extrapolated) = 1.16 W/kg

**SAR(1 g) = 0.583 W/kg; SAR(10 g) = 0.275 W/kg**

Smallest distance from peaks to all points 3 dB below = 8.2 mm

Ratio of SAR at M2 to SAR at M1 = 52%

Maximum value of SAR (measured) = 0.944 W/kg



0 dB = 0.944 W/kg = -0.25 dBW/kg

Place of testing: HUAWEI SAR/HAC Lab

## WKG-LX9 UMTS Band II 9400CH Top Side 10mm-Main antenna

**DUT: WKG-LX9; Type: Smart Phone; Serial: DASY5**

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

Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.43$  S/m;  $\epsilon_r = 39.164$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3736; ConvF(7.83, 7.83, 7.83) @ 1880 MHz; Calibrated: 2021-03-03
- Sensor-Surface: 1.4mm (Mechanical Surface Detection),  $z = 1.0, 31.0$
- Electronics: DAE4 Sn1531; Calibrated: 2021-02-24
- Phantom: SAM7; Type: SAM; Serial: 1594
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

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

Reference Value = 15.96 V/m; Power Drift = 0.11 dB

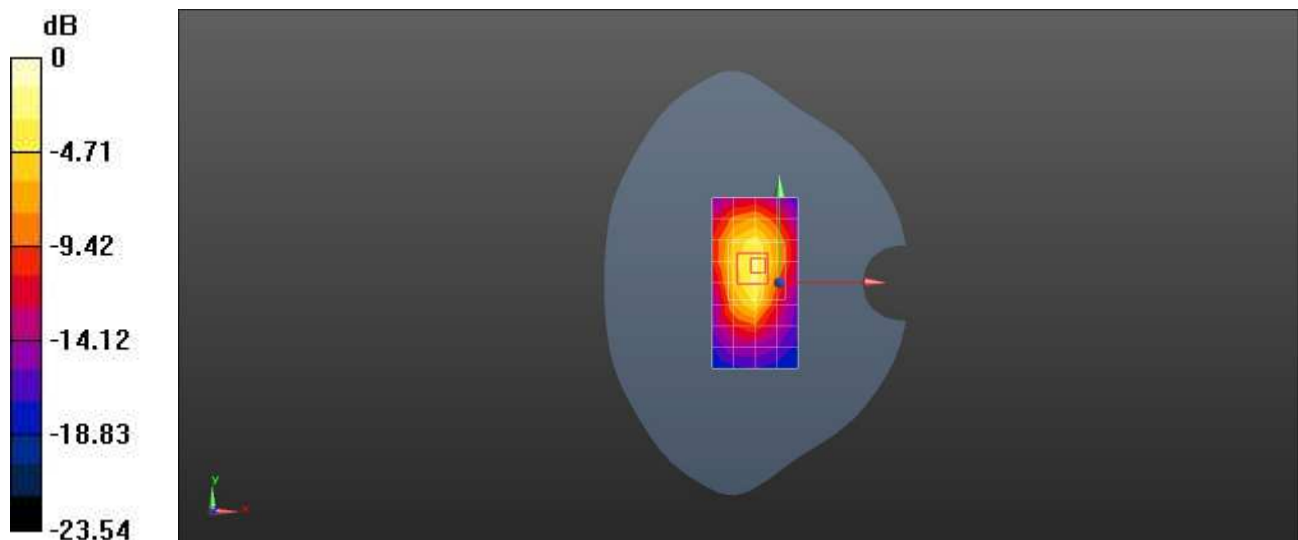
Peak SAR (extrapolated) = 0.728 W/kg

**SAR(1 g) = 0.309 W/kg; SAR(10 g) = 0.148 W/kg**

Smallest distance from peaks to all points 3 dB below = 5.8 mm

Ratio of SAR at M2 to SAR at M1 = 57.8%

Maximum value of SAR (measured) = 0.600 W/kg



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