## Appendix B. SAR Measurement Plots

| Table of contents |
|---|
| GSM850 Head |
| GSM850 Body |
| GSM1900 Head |
| GSM1900 Body |
| UMTS Band II Head |
| UMTS Band II Body |
| UMTS Band IV Head |
| UMTS Band IV Body |
| UMTS Band V Head |
| UMTS Band V Body |
| LTE Band 2 Head |
| LTE Band 2 Body |
| LTE Band 4 Head |
| LTE Band 4 Body |
| LTE Band 5 Head |
| LTE Band 5 Body |
| LTE Band 7 Head |
| LTE Band 7 Body |
| LTE Band 12 Head |
| LTE Band 12 Body |
| LTE Band 26 Head |
| LTE Band 26 Body |
| LTE Band 38 Head |
| LTE Band 38 Body |
| LTE Band 41 Head |
| LTE Band 41 Body |
| LTE Band 66 Head |
| LTE Band 66 Body |
| WIFI 2.4G Head |
| WIFI 2.4G Body |
| WIFI 5G Head |
| WIFI 5G Body |
| BT Head |

Date: 2019-1-5

Test Laboratory: HUAWEI SAR/HAC Lab

## VOG-L04 GSM850 251CH Left Cheek-Second Antenna

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

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; $\sigma$ = 0.941 S/m; $\varepsilon_r$ = 42.249; $\rho$ = 1000 kg/m$^3$
Phantom section: Left Section

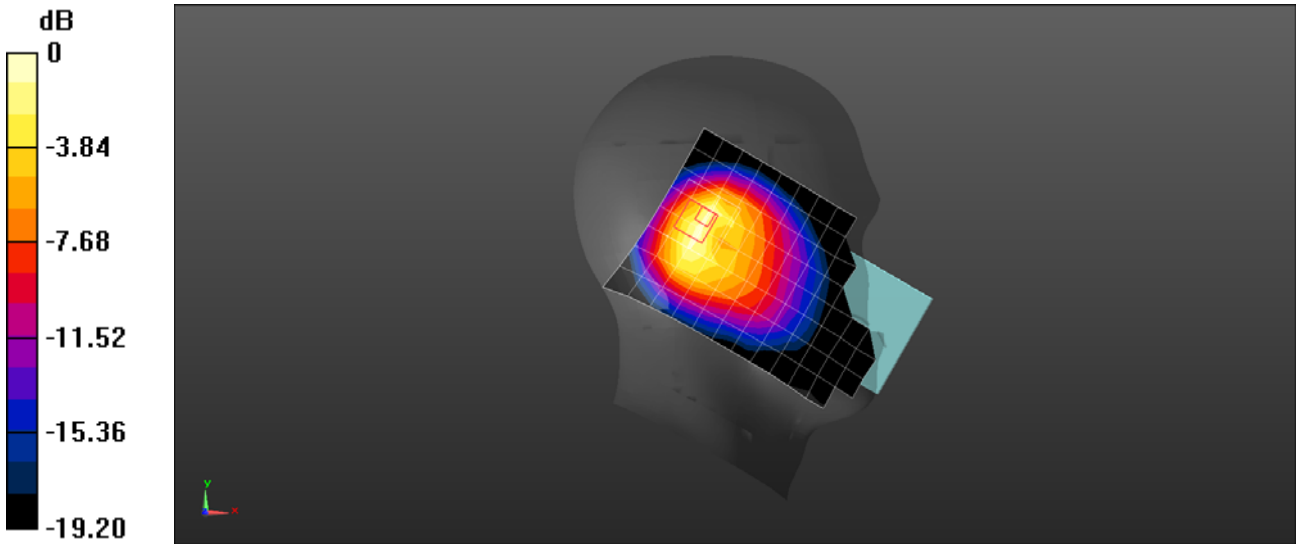
DASY Configuration:

- Probe: EX3DV4 - SN3736; ConvF(8.86, 8.86, 8.86) @ 848.8 MHz; Calibrated: 2018-4-27
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), z = 1.0, 31.0
- Electronics: DAE4 Sn851; Calibrated: 2018-7-18
- Phantom: SAM9; Type: SAM; Serial: 1958
- DASY52 52.10.1(1476); SEMCAD X 14.6.11(7439)

**Configuration/Head/Area Scan (9x14x1):** Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.566 W/kg

**Configuration/Head/Zoom Scan (6x6x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 16.49 V/m; Power Drift = -0.03 dB
Peak SAR (extrapolated) = 0.849 W/kg
**SAR(1 g) = 0.361 W/kg; SAR(10 g) = 0.178 W/kg**

Maximum value of SAR (measured) = 0.652 W/kg




0 dB = 0.652 W/kg = -1.86 dBW/kg

Date: 2019-1-5

Test Laboratory: HUAWEI SAR/HAC Lab

## VOG-L04 GSM850 251CH Right Cheek-Main Antenna

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

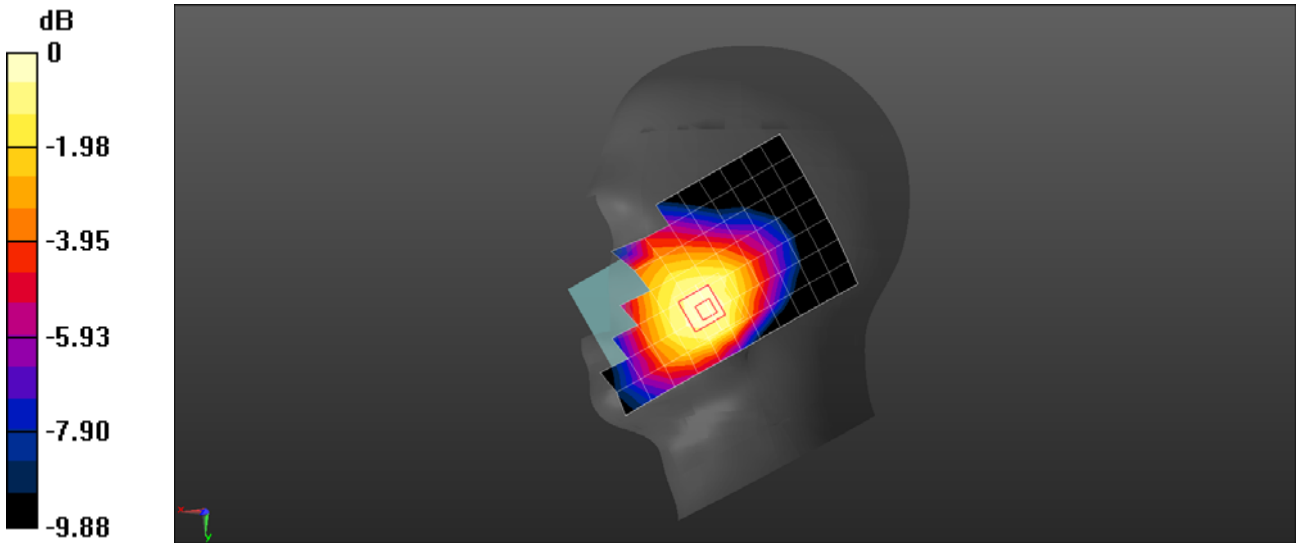
Communication System: UID 0, HW-GSM\GPRS\EGPRS-1TS (0); Frequency: 848.8 MHz;Duty Cycle: 1:8.30042
Medium parameters used: f = 849 MHz; $\sigma$ = 0.941 S/m; $\varepsilon_r$ = 42.249; $\rho$ = 1000 kg/m$^3$
Phantom section: Right Section

DASY Configuration:

- Probe: EX3DV4 - SN3736; ConvF(8.86, 8.86, 8.86) @ 848.8 MHz; Calibrated: 2018-4-27
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), z = 1.0, 31.0
- Electronics: DAE4 Sn851; Calibrated: 2018-7-18
- Phantom: SAM9; Type: SAM; Serial: 1958
- DASY52 52.10.1(1476); SEMCAD X 14.6.11(7439)

**Configuration/Head/Area Scan (8x13x1):** Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.147 W/kg

**Configuration/Head/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 5.134 V/m; Power Drift = -0.12 dB
Peak SAR (extrapolated) = 0.167 W/kg
**SAR(1 g) = 0.130 W/kg; SAR(10 g) = 0.101 W/kg**
Maximum value of SAR (measured) = 0.152 W/kg




0 dB = 0.152 W/kg = -8.19 dBW/kg

Date: 2019-1-4

Test Laboratory: HUAWEI SAR/HAC Lab

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

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

Communication System: UID 0, HW-GSM\GPRS\EGPRS-1TS (0); Frequency: 836.6 MHz;Duty Cycle: 1:8.30042
Medium parameters used: f = 837 MHz; $\sigma$ = 1.015 S/m; $\varepsilon_r$ = 53.866; $\rho$ = 1000 kg/m$^3$
Phantom section: Flat Section

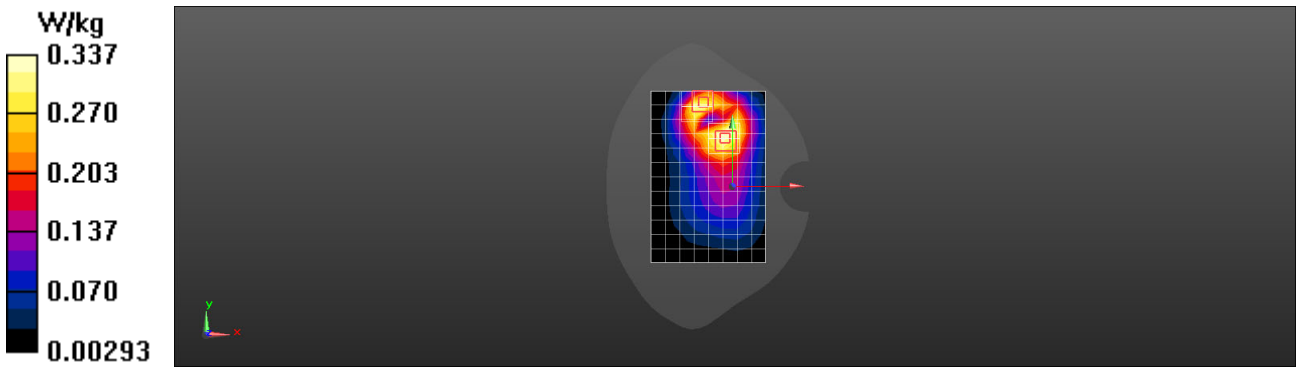
DASY Configuration:

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

**Configuration/Body/Area Scan (9x13x1):** Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.346 W/kg

**Configuration/Body/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 11.49 V/m; Power Drift = -0.15 dB
Peak SAR (extrapolated) = 0.395 W/kg
**SAR(1 g) = 0.270 W/kg; SAR(10 g) = 0.183 W/kg**
Maximum value of SAR (measured) = 0.349 W/kg

**Configuration/Body/Zoom Scan (5x5x7)/Cube 1:** Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 11.49 V/m; Power Drift = -0.15 dB
Peak SAR (extrapolated) = 0.409 W/kg
**SAR(1 g) = 0.243 W/kg; SAR(10 g) = 0.142 W/kg**
Maximum value of SAR (measured) = 0.337 W/kg



Date: 2019-1-4

Test Laboratory: HUAWEI SAR/HAC Lab

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

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

Communication System: UID 0, HW-GSM\GPRS\EGPRS-1TS (0); Frequency: 848.8 MHz;Duty Cycle: 1:8.30042
Medium parameters used: f = 849 MHz; $\sigma$ = 1.019 S/m; $\varepsilon_r$ = 53.818; $\rho$ = 1000 kg/m$^3$
Phantom section: Flat Section

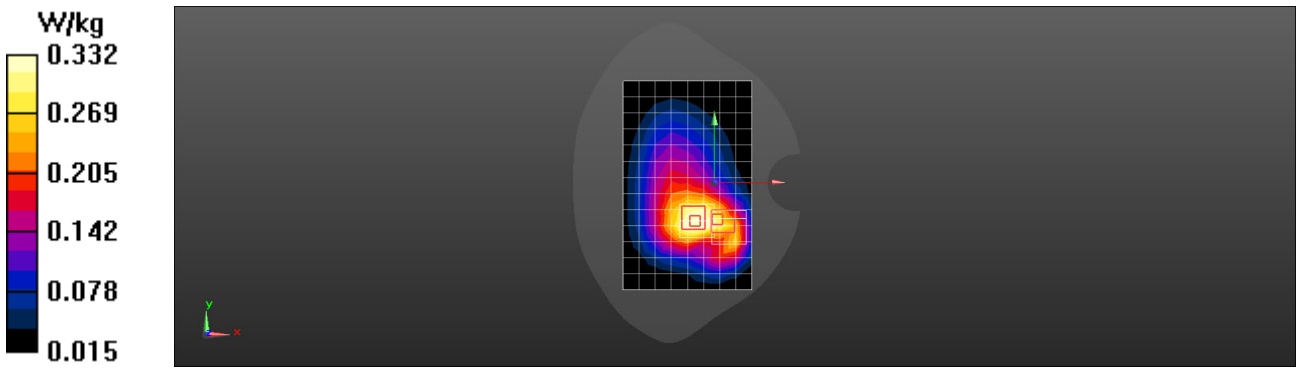
DASY Configuration:

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

**Configuration/Body/Area Scan (9x14x1):** Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.349 W/kg

**Configuration/Body/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 14.13 V/m; Power Drift = -0.08 dB
Peak SAR (extrapolated) = 0.411 W/kg
**SAR(1 g) = 0.288 W/kg; SAR(10 g) = 0.202 W/kg**
Maximum value of SAR (measured) = 0.366 W/kg

**Configuration/Body/Zoom Scan (5x5x7)/Cube 1:** Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 14.13 V/m; Power Drift = -0.08 dB
Peak SAR (extrapolated) = 0.380 W/kg
**SAR(1 g) = 0.235 W/kg; SAR(10 g) = 0.146 W/kg**
Maximum value of SAR (measured) = 0.332 W/kg



Date: 2019-1-4

Test Laboratory: HUAWEI SAR/HAC Lab

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

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

Communication System: UID 0, HW-GSM\GPRS\EGPRS-2TS (0); Frequency: 836.6 MHz;Duty Cycle: 1:4.10015
Medium parameters used: f = 837 MHz; $\sigma$ = 1.015 S/m; $\varepsilon_r$ = 53.866; $\rho$ = 1000 kg/m$^3$
Phantom section: Flat Section

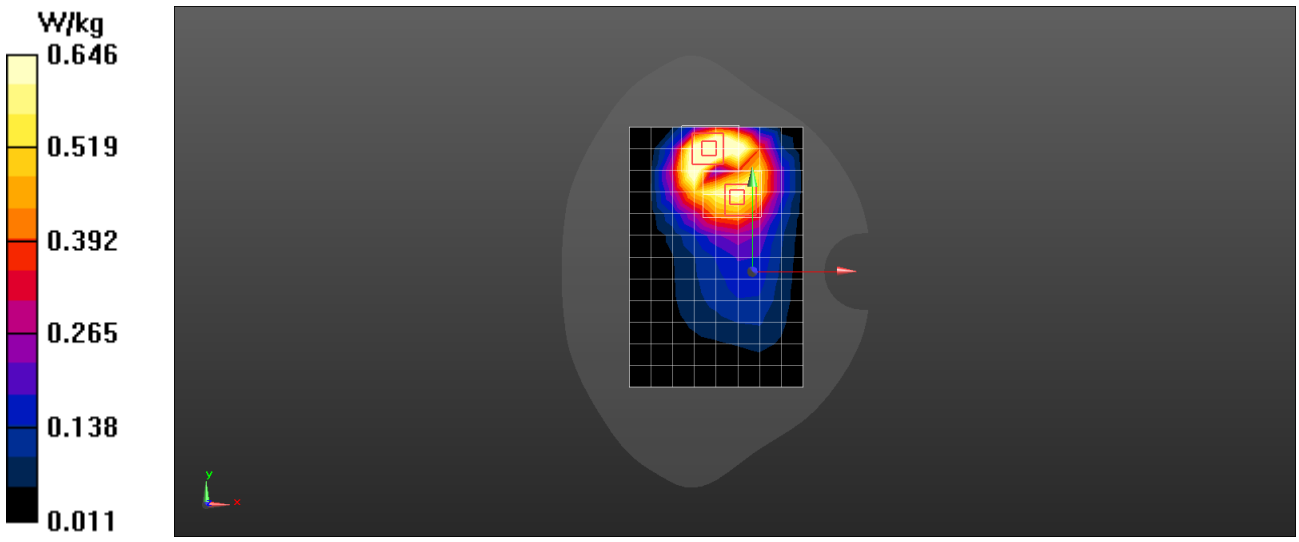
DASY Configuration:

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

**Configuration/Body/Area Scan (9x13x1):** Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.965 W/kg

**Configuration/Body/Zoom Scan (6x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 11.96 V/m; Power Drift = -0.06 dB
Peak SAR (extrapolated) = 1.18 W/kg
**SAR(1 g) = 0.647 W/kg; SAR(10 g) = 0.359 W/kg**
Maximum value of SAR (measured) = 0.969 W/kg

**Configuration/Body/Zoom Scan (6x5x7)/Cube 1:** Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 11.96 V/m; Power Drift = -0.06 dB
Peak SAR (extrapolated) = 0.751 W/kg
**SAR(1 g) = 0.489 W/kg; SAR(10 g) = 0.319 W/kg**
Maximum value of SAR (measured) = 0.646 W/kg



Date: 2019-1-4

Test Laboratory: HUAWEI SAR/HAC Lab

## VOG-L04 GSM850 GPRS 2TS 251CH Back Side 10mm with Battery2-Main Antenna

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

Communication System: UID 0, HW-GSM\GPRS\EGPRS-2TS (0); Frequency: 848.8 MHz;Duty Cycle: 1:4.10015
Medium parameters used: f = 849 MHz; $\sigma$ = 1.019 S/m; $\varepsilon_r$ = 53.818; $\rho$ = 1000 kg/m$^3$
Phantom section: Flat Section

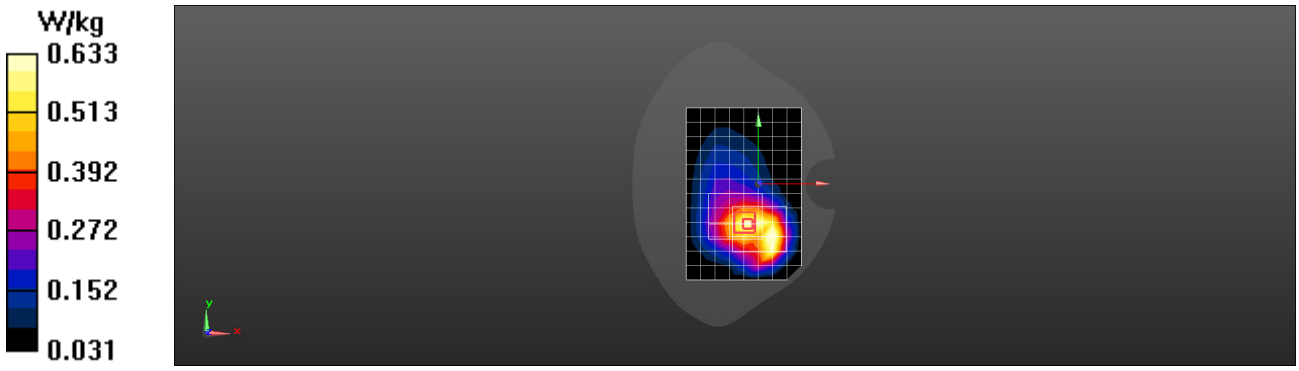
DASY Configuration:

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

**Configuration/Body/Area Scan (9x13x1):** Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.705 W/kg

**Configuration/Body/Zoom Scan (8x7x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 14.78 V/m; Power Drift = 0.01 dB
Peak SAR (extrapolated) = 0.849 W/kg
**SAR(1 g) = 0.495 W/kg; SAR(10 g) = 0.336 W/kg**
Maximum value of SAR (measured) = 0.701 W/kg

**Configuration/Body/Zoom Scan (8x7x7)/Cube 1:** Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 14.78 V/m; Power Drift = 0.01 dB
Peak SAR (extrapolated) = 0.723 W/kg
**SAR(1 g) = 0.494 W/kg; SAR(10 g) = 0.336 W/kg**
Maximum value of SAR (measured) = 0.633 W/kg



Date: 2019-1-3

Test Laboratory: HUAWEI SAR/HAC Lab

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

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

Communication System: UID 0, HW-GSM\GPRS\EGPRS-1TS (0); Frequency: 1909.8 MHz;Duty Cycle: 1:8.30042
Medium parameters used: f = 1910 MHz; $\sigma$ = 1.465 S/m; $\varepsilon_r$ = 39.194; $\rho$ = 1000 kg/m$^3$
Phantom section: Right Section

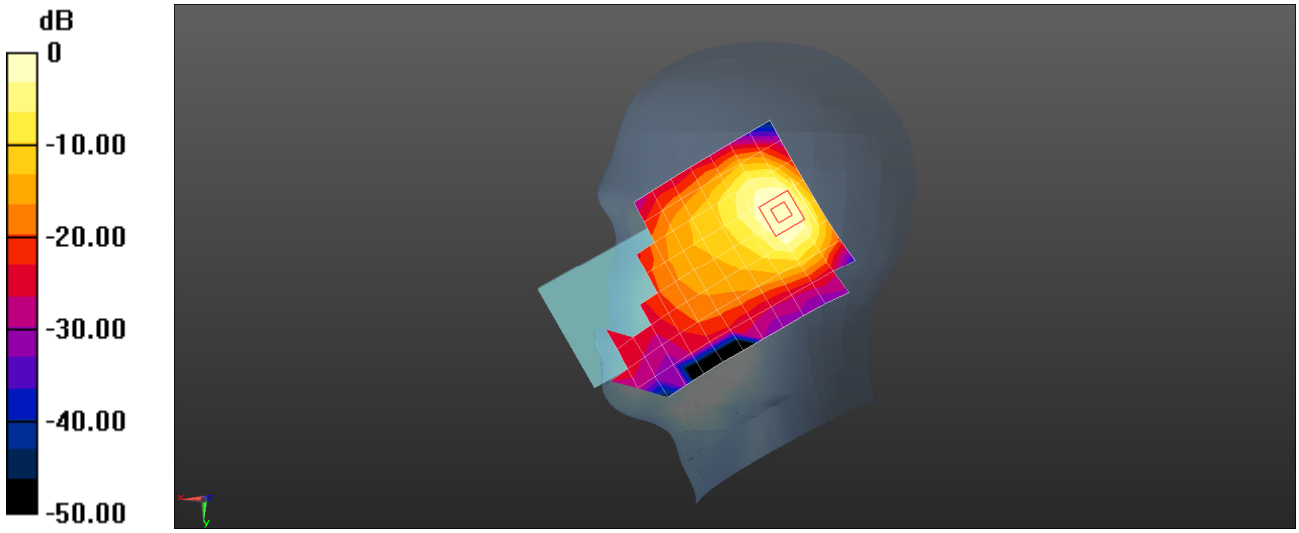
DASY Configuration:

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

**Configuration/Head/Area Scan (9x14x1):** Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.390 W/kg

**Configuration/Head/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 10.09 V/m; Power Drift = -0.00 dB
Peak SAR (extrapolated) = 0.884 W/kg
**SAR(1 g) = 0.475 W/kg; SAR(10 g) = 0.228 W/kg**

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




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

Date: 2019-1-3

Test Laboratory: HUAWEI SAR/HAC Lab

## VOG-L04 GSM1900 661CH Right Cheek-Main Antenna

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

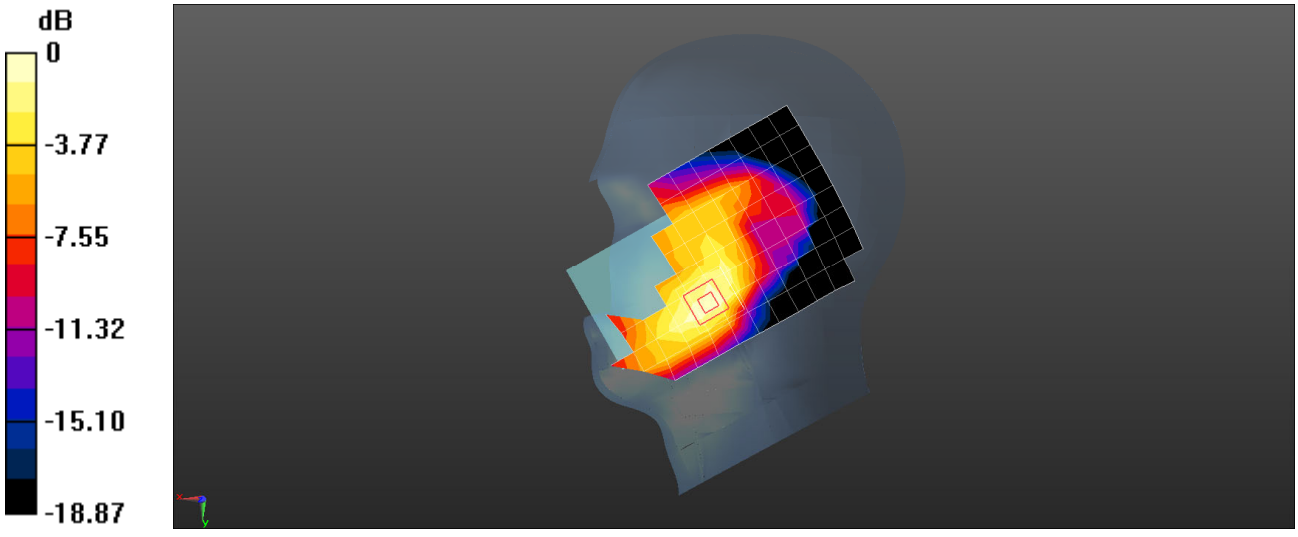
Communication System: UID 0, HW-GSM\GPRS\EGPRS-1TS (0); Frequency: 1880 MHz;Duty Cycle: 1:8.30042
Medium parameters used: f = 1880 MHz; $\sigma$ = 1.447 S/m; $\varepsilon_r$ = 39.267; $\rho$ = 1000 kg/m$^3$
Phantom section: Right Section

DASY Configuration:

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

**Configuration/Head/Area Scan (9x15x1):** Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.0889 W/kg

**Configuration/Head/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 3.043 V/m; Power Drift = 0.14 dB
Peak SAR (extrapolated) = 0.124 W/kg
**SAR(1 g) = 0.081 W/kg; SAR(10 g) = 0.051 W/kg**
Maximum value of SAR (measured) = 0.0956 W/kg




0 dB = 0.0956 W/kg = -10.20 dBW/kg

Date: 2019-1-6

Test Laboratory: HUAWEI SAR/HAC Lab

## VOG-L04 GSM1900 GSM 661CH Back Side 15mm with Battery2-Second Antenna

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

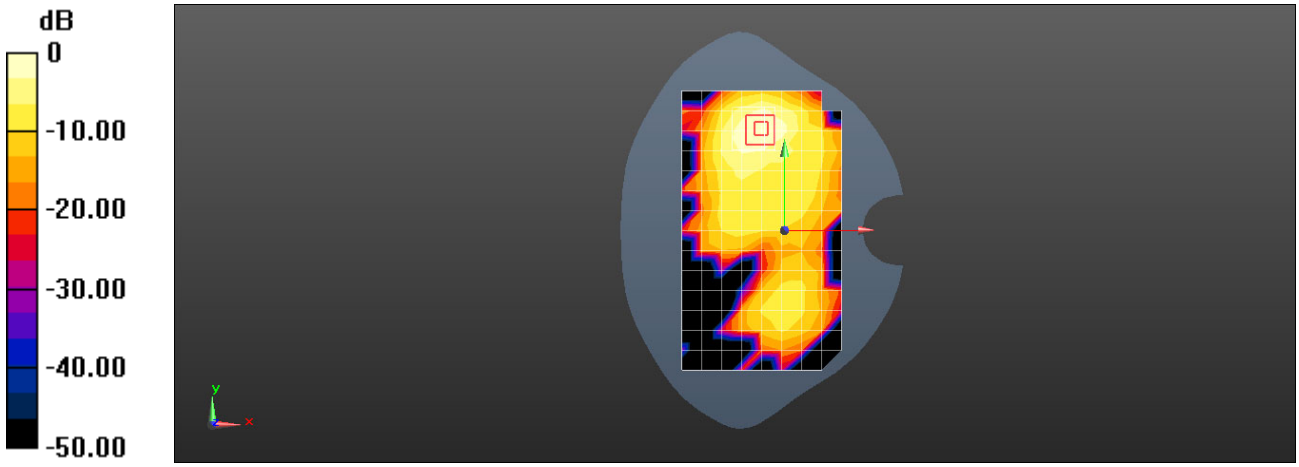
Communication System: UID 0, HW-GSM\GPRS\EGPRS-1TS (0); Frequency: 1880 MHz;Duty Cycle: 1:8.30042
Medium parameters used: f = 1880 MHz; $\sigma$ = 1.497 S/m; $\varepsilon_r$ = 52.985; $\rho$ = 1000 kg/m$^3$
Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN7505; ConvF(7.87, 7.87, 7.87) @ 1880 MHz; Calibrated: 2018-06-12
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), z = -19.0, 31.0
- Electronics: DAE4 Sn1492; Calibrated: 2018-11-14
- Phantom: SAM2; Type: SAM; Serial: 1474
- DASY52 52.10.1(1476); SEMCAD X 14.6.11(7439)

**Configuration/Body/Area Scan (9x15x1):** Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.0877 W/kg

**Configuration/Body/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 0.8530 V/m; Power Drift = -0.09dB
Peak SAR (extrapolated) = 0.0900 W/kg
**SAR(1 g) = 0.066 W/kg; SAR(10 g) = 0.041 W/kg**
Maximum value of SAR (measured) = 0.0843 W/kg




0 dB = 0.0877 W/kg = -10.57 dBW/kg

Date: 2019-1-5

Test Laboratory: HUAWEI SAR/HAC Lab

## VOG-L04 GSM1900 GSM 810CH Back Side 15mm-Main Antenna

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

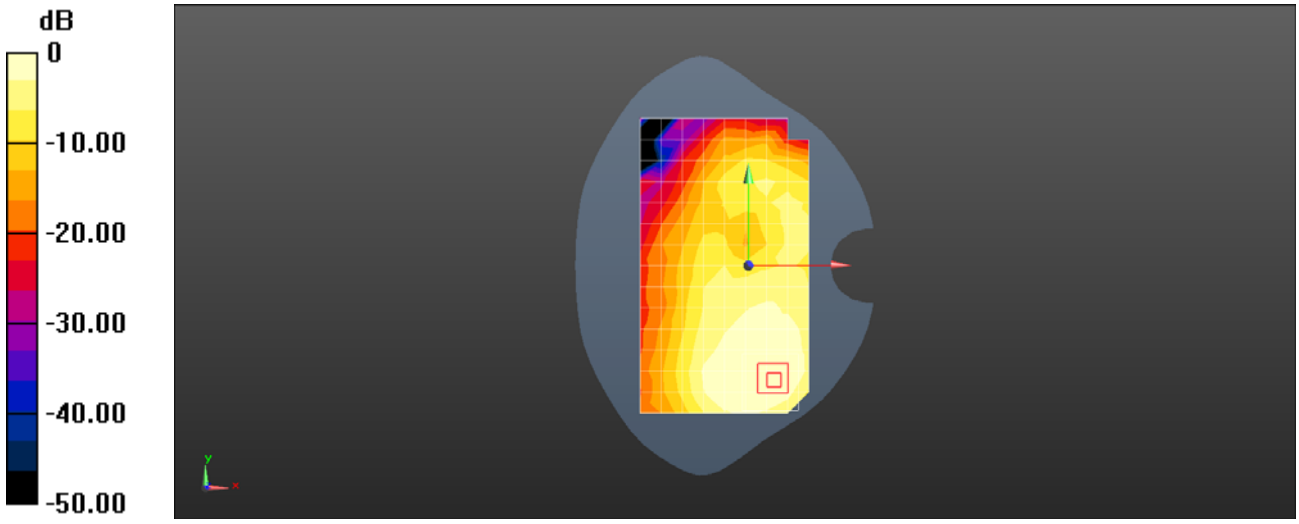
Communication System: UID 0, HW-GSM\GPRS\EGPRS-1TS (0); Frequency: 1909.8 MHz;Duty Cycle: 1:8.30042
Medium parameters used: f = 1910 MHz; $\sigma$ = 1.488 S/m; $\varepsilon_r$ = 50.743; $\rho$ = 1000 kg/m$^3$
Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN7505; ConvF(7.87, 7.87, 7.87) @ 1909.8 MHz; Calibrated: 2018-6-12
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), z = 1.0, 31.0
- Electronics: DAE4 Sn1492; Calibrated: 2018-11-14
- Phantom: SAM2; Type: SAM; Serial: 1474
- DASY52 52.10.1(1476); SEMCAD X 14.6.11(7439)

**Configuration/Body/Area Scan (9x15x1):** Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.179 W/kg

**Configuration/Body/Zoom Scan (6x6x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 5.032 V/m; Power Drift = 0.03 dB
Peak SAR (extrapolated) = 0.179 W/kg
**SAR(1 g) = 0.139 W/kg; SAR(10 g) = 0.095 W/kg**
Maximum value of SAR (measured) = 0.170 W/kg




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

Date: 2019-1-6

Test Laboratory: HUAWEI SAR/HAC Lab

## VOG-L04 GSM1900 GPRS 2TS 810CH Top Side 10mm Battery2-Second Antenna

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

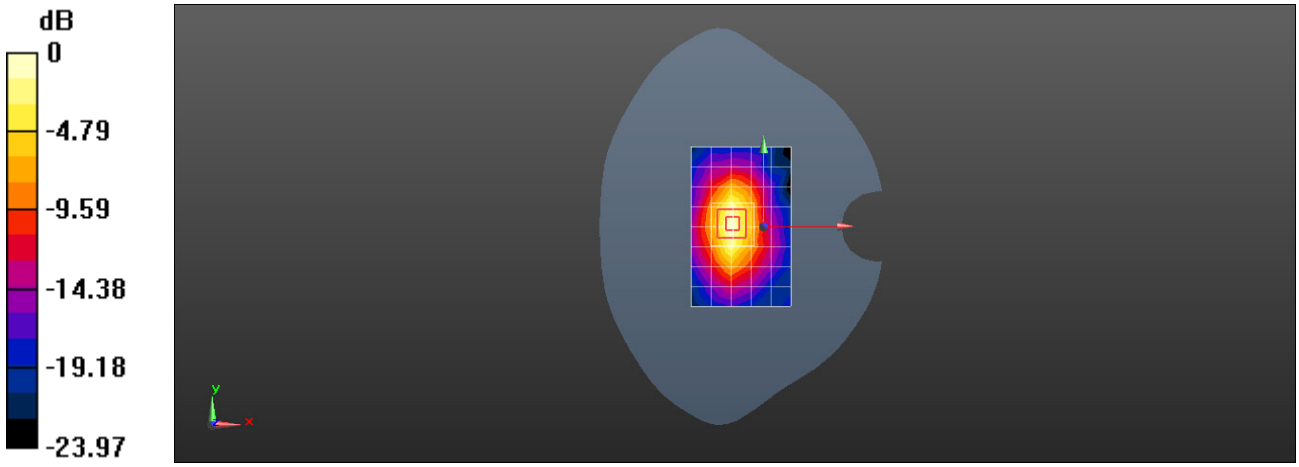
Communication System: UID 0, HW-GSM\GPRS\EGPRS-2TS (0); Frequency: 1909.8 MHz;Duty Cycle: 1:4.10015
Medium parameters used: f = 1910 MHz; $\sigma$ = 1.522 S/m; $\varepsilon_r$ = 52.901; $\rho$ = 1000 kg/m$^3$
Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN7505; ConvF(7.87, 7.87, 7.87) @ 1909.8 MHz; Calibrated: 2018-06-12
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), z = 1.0, 31.0
- Electronics: DAE4 Sn1492; Calibrated: 2018-11-14
- Phantom: SAM2; Type: SAM; Serial: 1474
- DASY52 52.10.1(1476); SEMCAD X 14.6.11(7439)

**Configuration/Body/Area Scan (6x9x1):** Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.357 W/kg

**Configuration/Body/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 13.90 V/m; Power Drift = 0.12 dB
Peak SAR (extrapolated) = 0.422 W/kg
**SAR(1 g) = 0.255 W/kg; SAR(10 g) = 0.137 W/kg**
Maximum value of SAR (measured) = 0.369 W/kg




0 dB = 0.357 W/kg = -4.47 dBW/kg

Date: 2019-1-5

Test Laboratory: HUAWEI SAR/HAC Lab

## VOG-L04 GSM1900 GPRS 2TS 661CH Bottom Side 10mm-Main Antenna

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

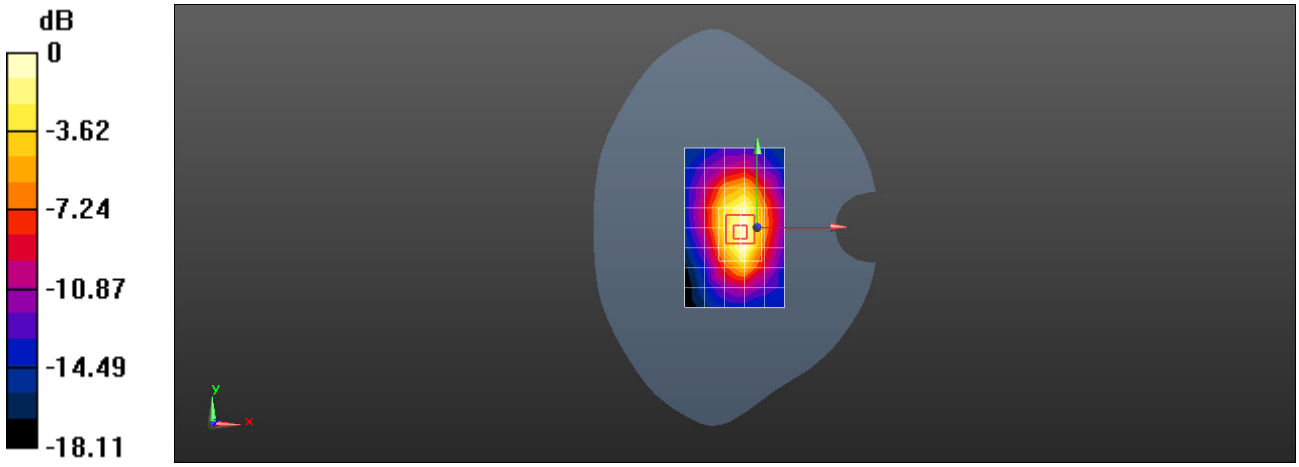
Communication System: UID 0, HW-GSM\GPRS\EGPRS-2TS (0); Frequency: 1880 MHz;Duty Cycle: 1:4.10015
Medium parameters used: f = 1880 MHz; $\sigma$ = 1.475 S/m; $\varepsilon_r$ = 50.74; $\rho$ = 1000 kg/m$^3$
Phantom section: Flat Section

DASY Configuration:

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

**Configuration/Body/Area Scan (6x9x1):** Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.598 W/kg

**Configuration/Body/Zoom Scan (5x6x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 20.69 V/m; Power Drift = -0.15 dB
Peak SAR (extrapolated) = 0.752 W/kg
**SAR(1 g) = 0.465 W/kg; SAR(10 g) = 0.267 W/kg**
Maximum value of SAR (measured) = 0.652 W/kg




0 dB = 0.598 W/kg = -2.23 dBW/kg

Date: 2019-1-3

Test Laboratory: HUAWEI SAR/HAC Lab

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

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

Communication System: UID 0, HW-UMTS-FDD(WCDMA) (0); Frequency: 1907.6 MHz;Duty Cycle: 1:1
Medium parameters used: f = 1908 MHz; $\sigma$ = 1.464 S/m; $\varepsilon_r$ = 39.198; $\rho$ = 1000 kg/$m^3$
Phantom section: Right Section

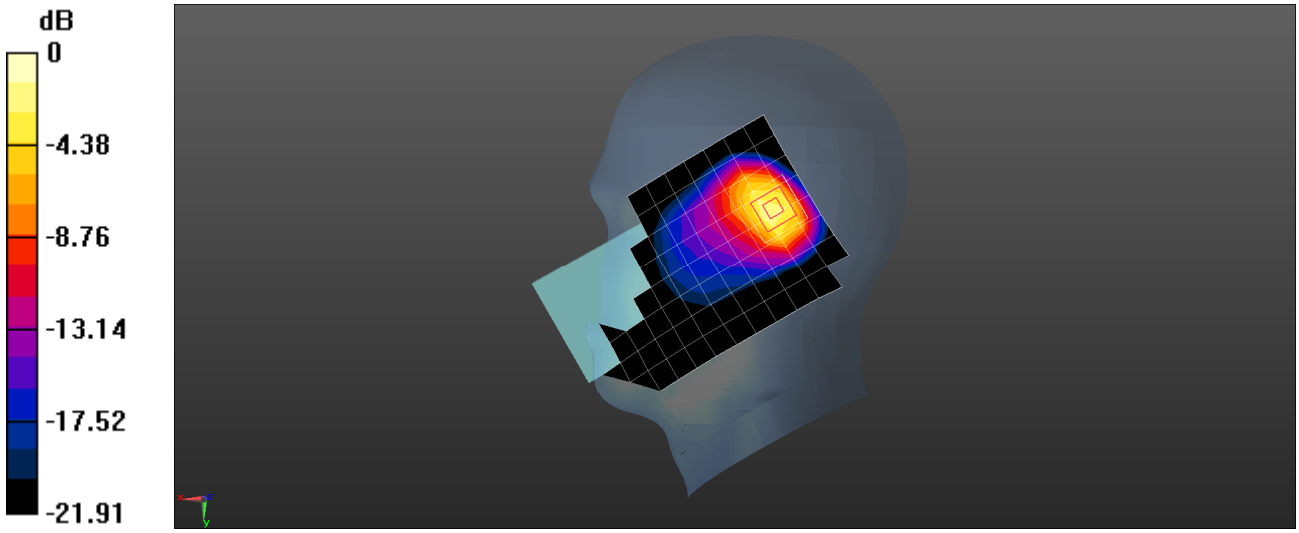
DASY Configuration:

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

**Configuration/Head/Area Scan (9x15x1):** Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.415 W/kg

**Configuration/Head/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 10.15 V/m; Power Drift = 0.05 dB
Peak SAR (extrapolated) = 0.833 W/kg
**SAR(1 g) = 0.443 W/kg; SAR(10 g) = 0.212 W/kg**

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




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

Date: 2019-1-3

Test Laboratory: HUAWEI SAR/HAC Lab

## VOG-L04 UMTS Band II 9538CH Right Cheek with Battery2-Main Antenna

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

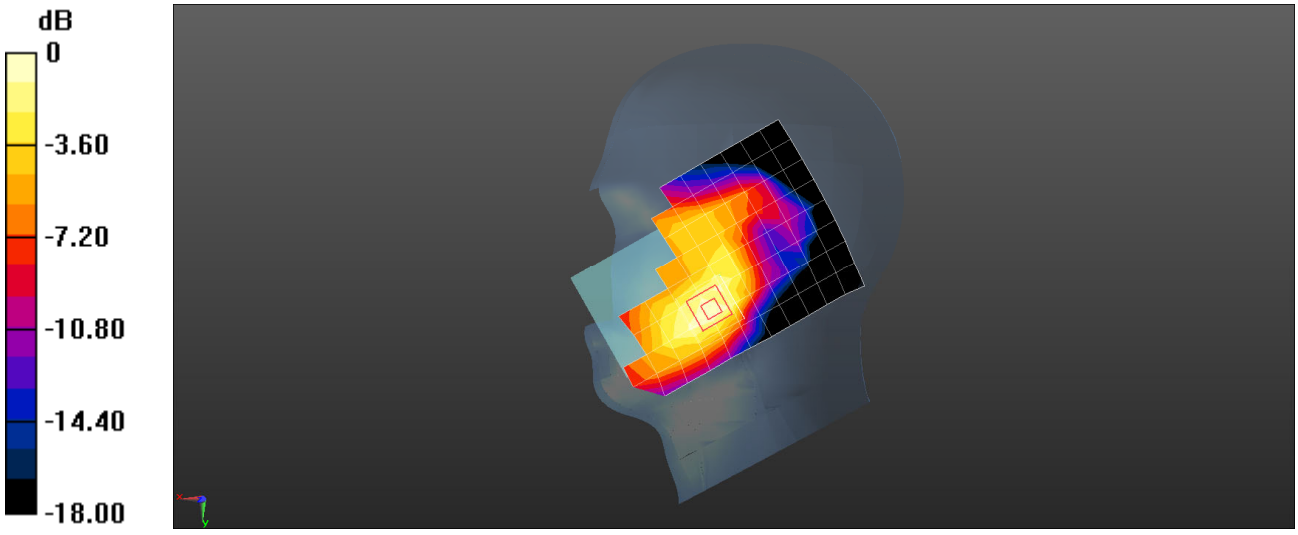
Communication System: UID 0, HW-UMTS-FDD(WCDMA) (0); Frequency: 1907.6 MHz;Duty Cycle: 1:1
Medium parameters used: f = 1908 MHz; $\sigma$ = 1.464 S/m; $\varepsilon_r$ = 39.198; $\rho$ = 1000 kg/m$^3$
Phantom section: Right Section

DASY Configuration:

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

**Configuration/Head/Area Scan (9x14x1):** Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.197 W/kg

**Configuration/Head/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 12.11 V/m; Power Drift = -0.01 dB
Peak SAR (extrapolated) = 0.267 W/kg
**SAR(1 g) = 0.175 W/kg; SAR(10 g) = 0.109 W/kg**
Maximum value of SAR (measured) = 0.208 W/kg




0 dB = 0.208 W/kg = -6.82 dBW/kg

Date: 2019-1-6

Test Laboratory: HUAWEI SAR/HAC Lab

## VOG-L04 UMTS Band II 9262CH Back Side 15mm With Battery2-Second Antenna

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

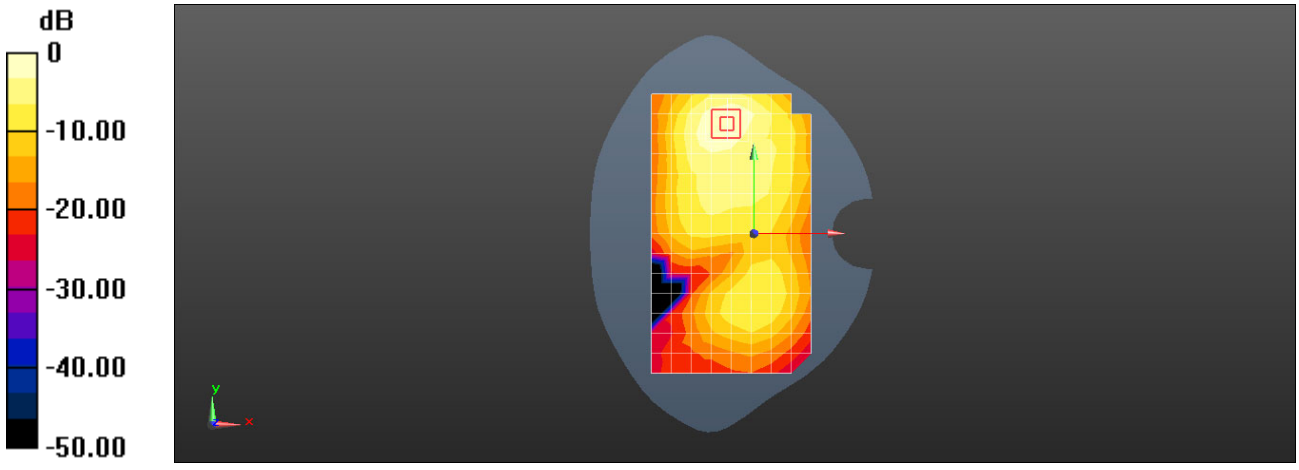
Communication System: UID 0, HW-UMTS-FDD(WCDMA) (0); Frequency: 1852.4 MHz;Duty Cycle: 1:1
Medium parameters used (interpolated): f = 1852.4 MHz; $\sigma$ = 1.47 S/m; $\varepsilon_r$ = 53.037; $\rho$ = 1000 kg/m$^3$
Phantom section: Flat Section

DASY Configuration:

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

**Configuration/Body/Area Scan (9x15x1):** Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.147 W/kg

**Configuration/Body/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 3.421 V/m; Power Drift = 0.11 dB
Peak SAR (extrapolated) = 0.174 W/kg
**SAR(1 g) = 0.125 W/kg; SAR(10 g) = 0.079 W/kg**
Maximum value of SAR (measured) = 0.159 W/kg




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

Date: 2019-1-4

Test Laboratory: HUAWEI SAR/HAC Lab

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

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

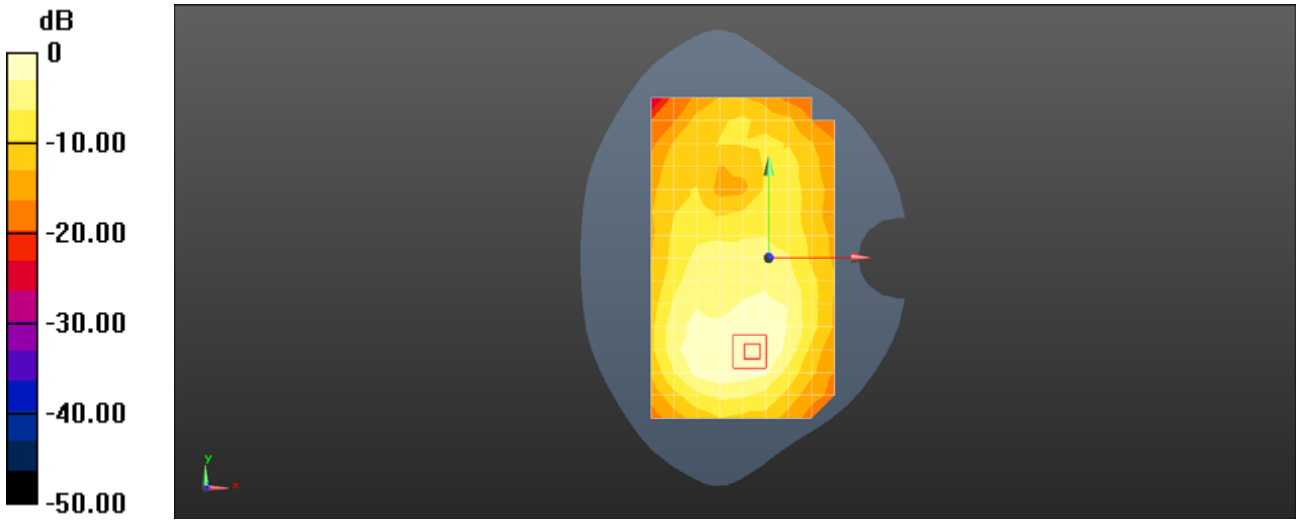
Communication System: UID 0, HW-UMTS-FDD(WCDMA) (0); Frequency: 1907.6 MHz;Duty Cycle: 1:1
Medium parameters used: f = 1908 MHz; $\sigma$ = 1.487 S/m; $\varepsilon_r$ = 50.739; $\rho$ = 1000 kg/m$^3$
Phantom section: Flat Section

DASY Configuration:

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

**Configuration/Body/Area Scan (9x15x1):** Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.488 W/kg

**Configuration/Body/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 10.40 V/m; Power Drift = -0.06 dB
Peak SAR (extrapolated) = 0.513 W/kg
**SAR(1 g) = 0.389 W/kg; SAR(10 g) = 0.259 W/kg**
Maximum value of SAR (measured) = 0.480 W/kg




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

Date: 2019-1-4

Test Laboratory: HUAWEI SAR/HAC Lab

## VOG-L04 UMTS Band II 9400CH Top Side 10mm-Second Antenna

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

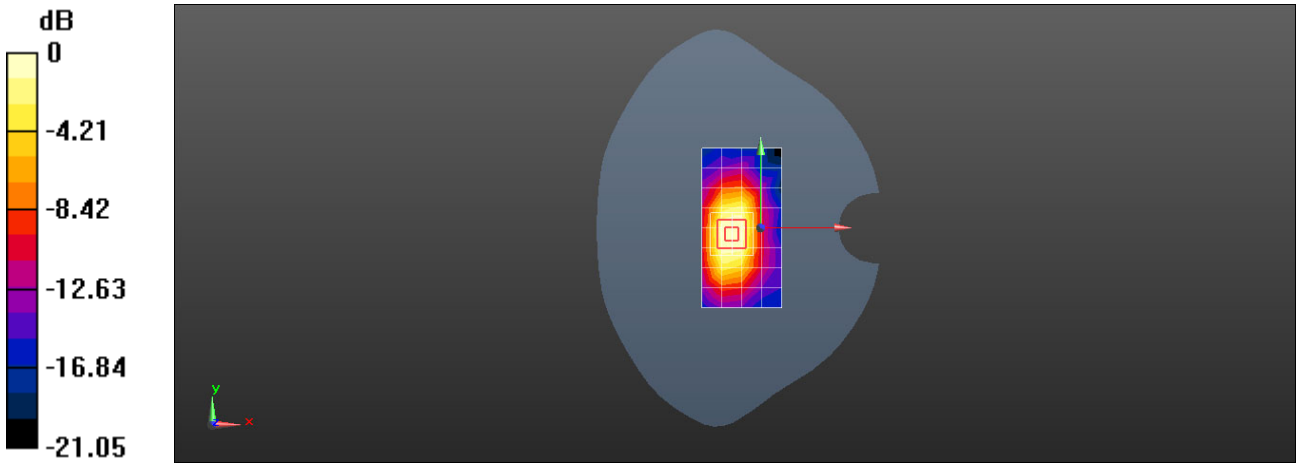
Communication System: UID 0, HW-UMTS-FDD(WCDMA) (0); Frequency: 1880 MHz;Duty Cycle: 1:1
Medium parameters used: f = 1880 MHz; $\sigma$ = 1.475 S/m; $\varepsilon_r$ = 50.74; $\rho$ = 1000 kg/m$^3$
Phantom section: Flat Section

DASY Configuration:

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

**Configuration/Body/Area Scan (5x9x1):** Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.212 W/kg

**Configuration/Body/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 14.78 V/m; Power Drift = 0.11 dB
Peak SAR (extrapolated) = 0.394 W/kg
**SAR(1 g) = 0.247 W/kg; SAR(10 g) = 0.132 W/kg**
Maximum value of SAR (measured) = 0.354 W/kg




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

Date: 2019-1-3

Test Laboratory: HUAWEI SAR/HAC Lab

## VOG-L04 UMTS Band II 9262CH Bottom Side 10mm With Battery2-Main Antenna

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

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

Medium parameters used (interpolated): f = 1852.4 MHz; $\sigma$ = 1.458 S/m; $\varepsilon_r$ = 50.774; $\rho$ = 1000 kg/m$^3$

Phantom section: Flat Section

DASY Configuration:

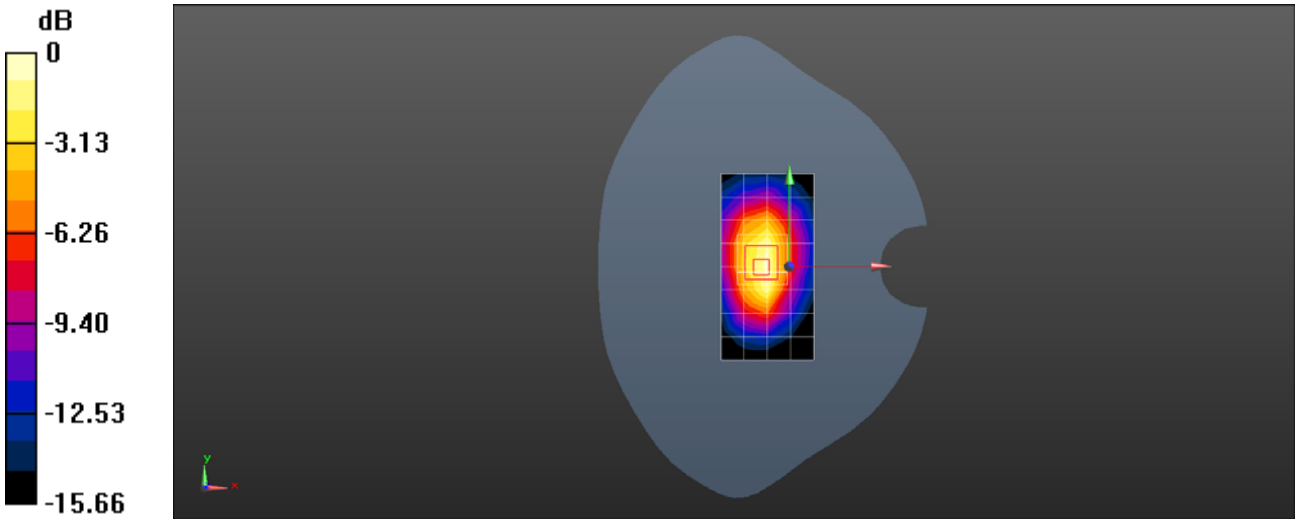
- Probe: EX3DV4 - SN7505; ConvF(7.87, 7.87, 7.87) @ 1852.4 MHz; Calibrated: 2018-6-12
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), z = 1.0, 31.0
- Electronics: DAE4 Sn1492; Calibrated: 2018-11-14
- Phantom: SAM2; Type: SAM; Serial: 1474
- DASY52 52.10.1(1476); SEMCAD X 14.6.11(7439)

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

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.641 W/kg

**Configuration/Body/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 23.26 V/m; Power Drift = -0.09 dB
Peak SAR (extrapolated) = 0.806 W/kg
**SAR(1 g) = 0.511 W/kg; SAR(10 g) = 0.296 W/kg**

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.710 W/kg




0 dB = 0.710 W/kg = -1.49 dBW/kg

Date: 2019-1-3

Test Laboratory: HUAWEI SAR/HAC Lab

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

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

Communication System: UID 0, HW-UMTS-FDD(WCDMA) (0); Frequency: 1880 MHz;Duty Cycle: 1:1
Medium parameters used: f = 1880 MHz; $\sigma$ = 1.475 S/m; $\varepsilon_r$ = 50.74; $\rho$ = 1000 kg/m$^3$
Phantom section: Flat Section

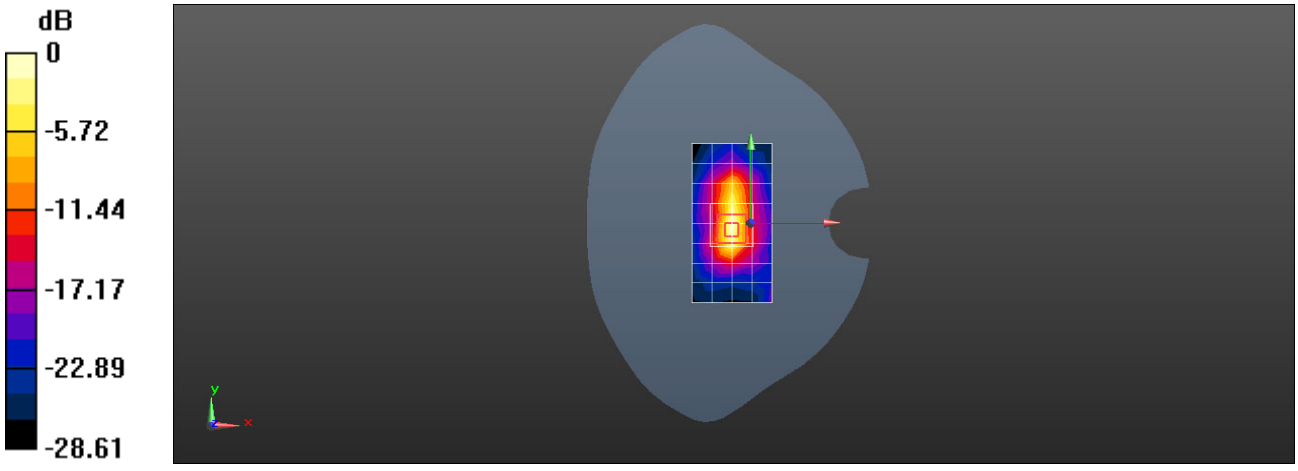
DASY Configuration:

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

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

**Configuration/Body/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 69.64 V/m; Power Drift = -0.19 dB
Peak SAR (extrapolated) = 10.4 W/kg
**SAR(1 g) = 4.86 W/kg; SAR(10 g) = 2.04 W/kg**

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




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

Date: 2019-1-3

Test Laboratory: HUAWEI SAR/HAC Lab

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

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

Communication System: UID 0, HW-UMTS-FDD(WCDMA) (0); Frequency: 1712.4 MHz;Duty Cycle: 1:1
Medium parameters used (interpolated): f = 1712.4 MHz; $\sigma$ = 1.347 S/m; $\varepsilon_r$ = 38.832; $\rho$ = 1000 kg/m$^3$

Phantom section: Right Section

DASY Configuration:

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

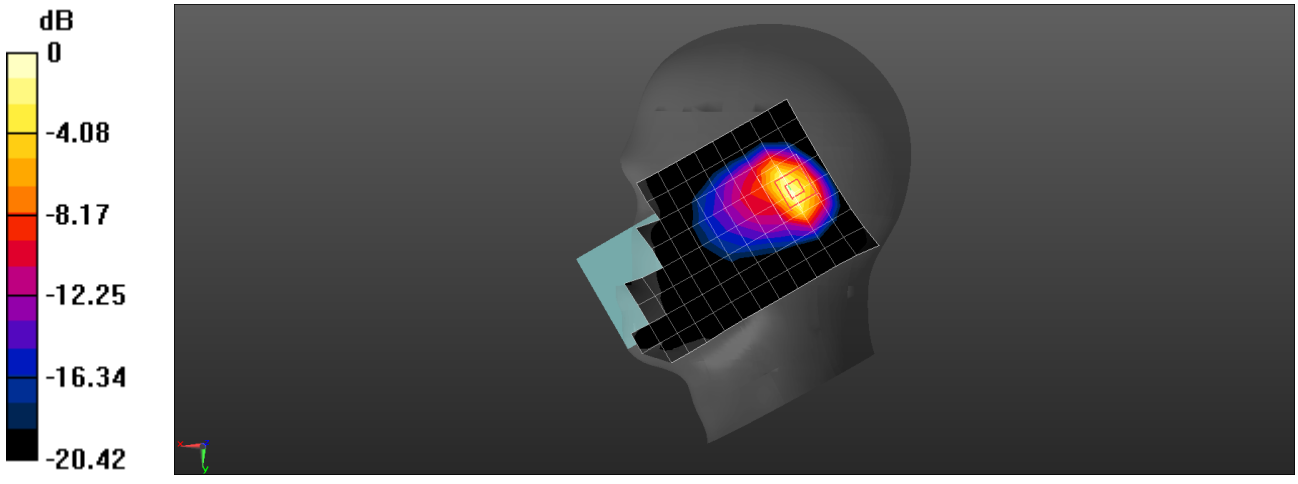
**Configuration/Head/Area Scan (9x15x1):** Measurement grid: dx=15mm, dy=15mm

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.674 W/kg

**Configuration/Head/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 10.44 V/m; Power Drift = 0.01 dB
Peak SAR (extrapolated) = 0.939 W/kg
**SAR(1 g) = 0.452 W/kg; SAR(10 g) = 0.212 W/kg**

Info: Interpolated medium parameters used for SAR evaluation.

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




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

Date: 2019-1-3

Test Laboratory: HUAWEI SAR/HAC Lab

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

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

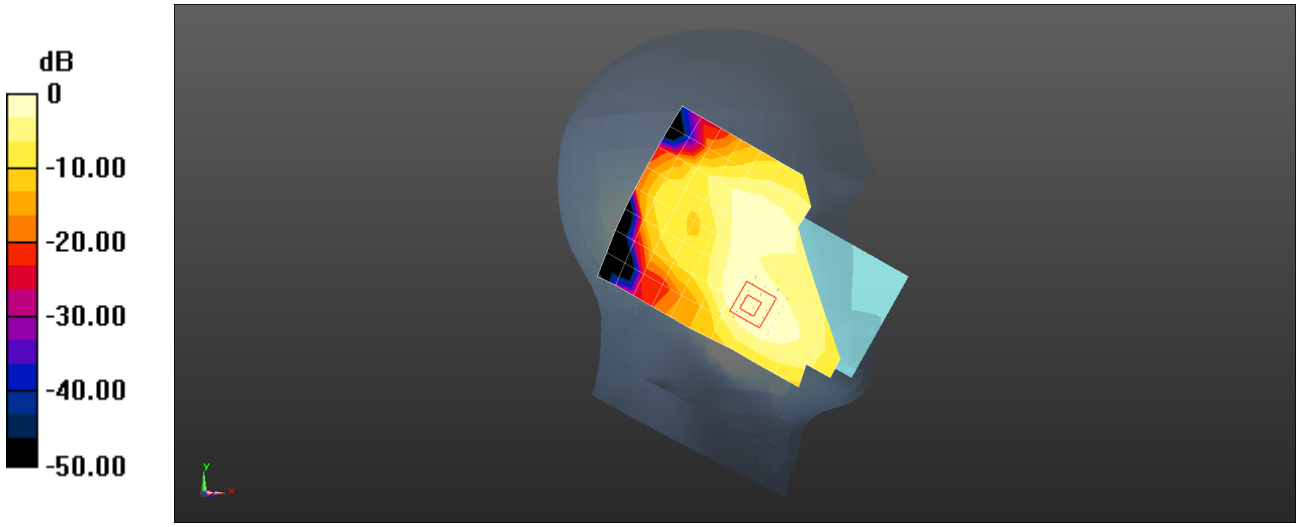
Communication System: UID 0, HW-UMTS-FDD(WCDMA) (0); Frequency: 1732.6 MHz;Duty Cycle: 1:1
Medium parameters used: f = 1733 MHz; $\sigma$ = 1.36 S/m; $\varepsilon_r$ = 38.815; $\rho$ = 1000 kg/m$^3$
Phantom section: Left Section

DASY Configuration:

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

**Configuration/Head/Area Scan (9x13x1):** Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.337 W/kg

**Configuration/Head/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 5.998 V/m; Power Drift = 0.14 dB
Peak SAR (extrapolated) = 0.460 W/kg
**SAR(1 g) = 0.294 W/kg; SAR(10 g) = 0.187 W/kg**
Maximum value of SAR (measured) = 0.397 W/kg




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

Date: 2019-1-4

Test Laboratory: HUAWEI SAR/HAC Lab

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

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

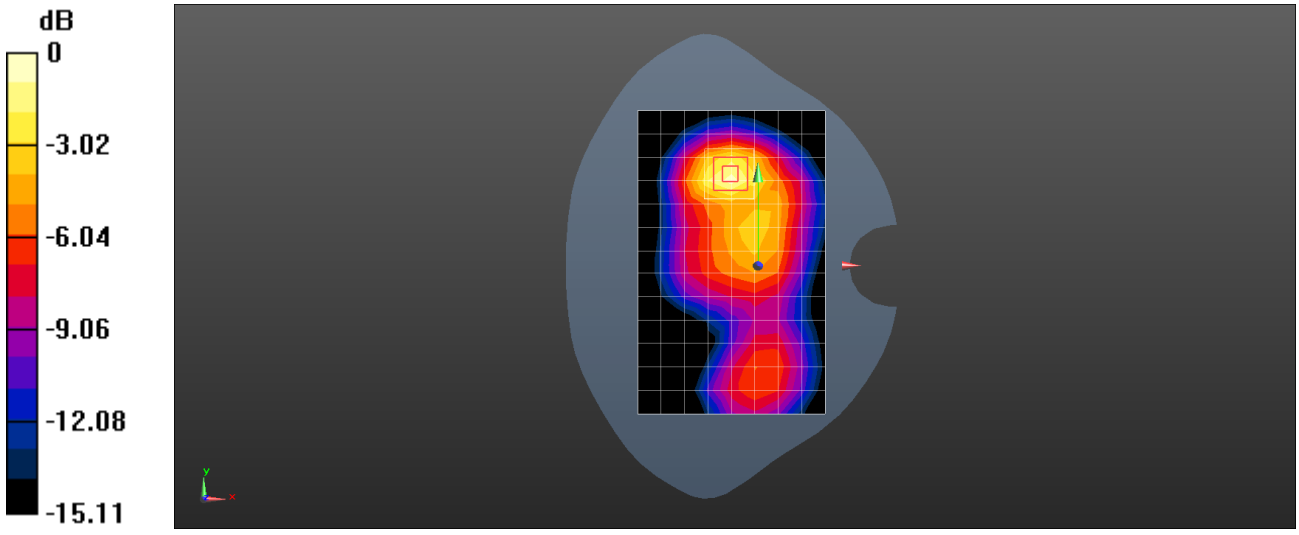
Communication System: UID 0, HW-UMTS-FDD(WCDMA) (0); Frequency: 1732.6 MHz;Duty Cycle: 1:1
Medium parameters used: f = 1733 MHz; $\sigma$ = 1.477 S/m; $\varepsilon_r$ = 53.233; $\rho$ = 1000 kg/m$^3$
Phantom section: Flat Section

DASY Configuration:

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

**Configuration/Body/Area Scan (9x14x1):** Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.166 W/kg

**Configuration/Body/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 11.69 V/m; Power Drift = -0.05 dB
Peak SAR (extrapolated) = 0.228 W/kg
**SAR(1 g) = 0.153 W/kg; SAR(10 g) = 0.091 W/kg**
Maximum value of SAR (measured) = 0.184 W/kg




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

Date: 2019-1-5

Test Laboratory: HUAWEI SAR/HAC Lab

## VOG-L04 UMTS Band IV 1513CH Back Side 15mm with Battery2-Main Antenna

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

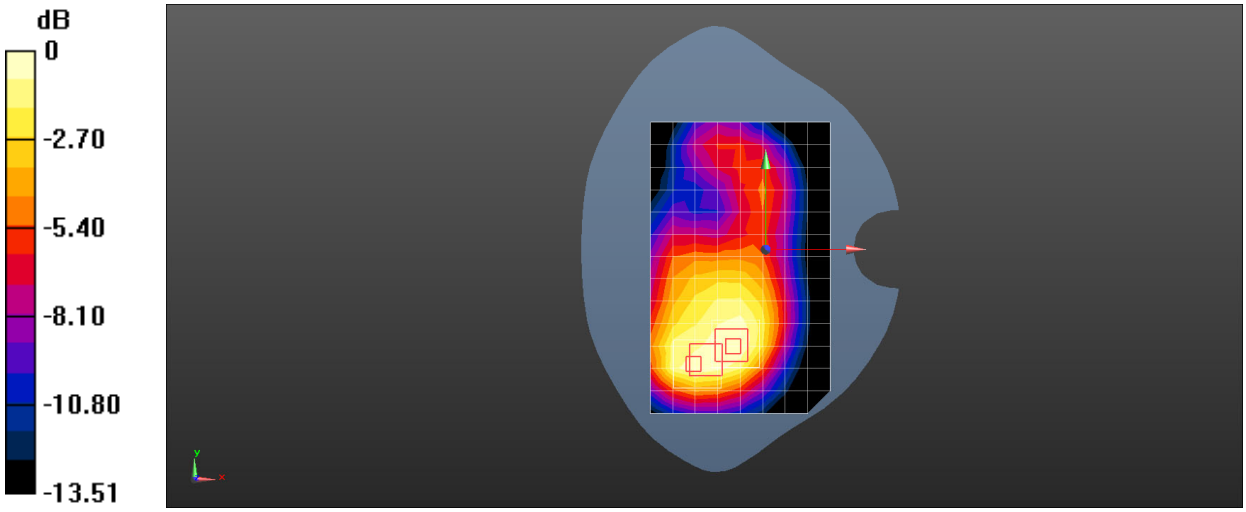
Communication System: UID 0, HW-UMTS-FDD(WCDMA) (0); Frequency: 1752.6 MHz;Duty Cycle: 1:1
Medium parameters used: f = 1753 MHz; $\sigma$ = 1.494 S/m; $\varepsilon_r$ = 53.196; $\rho$ = 1000 kg/m$^3$
Phantom section: Flat Section

DASY Configuration:

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

**Configuration/Body/Area Scan (9x14x1):** Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.523 W/kg
**Configuration/Body/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 10.32 V/m; Power Drift = -0.11 dB
Peak SAR (extrapolated) = 0.655 W/kg
**SAR(1 g) = 0.463 W/kg; SAR(10 g) = 0.304 W/kg**
Maximum value of SAR (measured) = 0.533 W/kg
**Configuration/Body/Zoom Scan (5x5x7)/Cube 1:** Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 10.32 V/m; Power Drift = -0.11 dB
Peak SAR (extrapolated) = 0.632 W/kg
**SAR(1 g) = 0.429 W/kg; SAR(10 g) = 0.277 W/kg**

Maximum value of SAR (measured) = 0.503 W/kg




0 dB = 0.503 W/kg = -2.98 dBW/kg

Date: 2019-1-4

Test Laboratory: HUAWEI SAR/HAC Lab

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

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

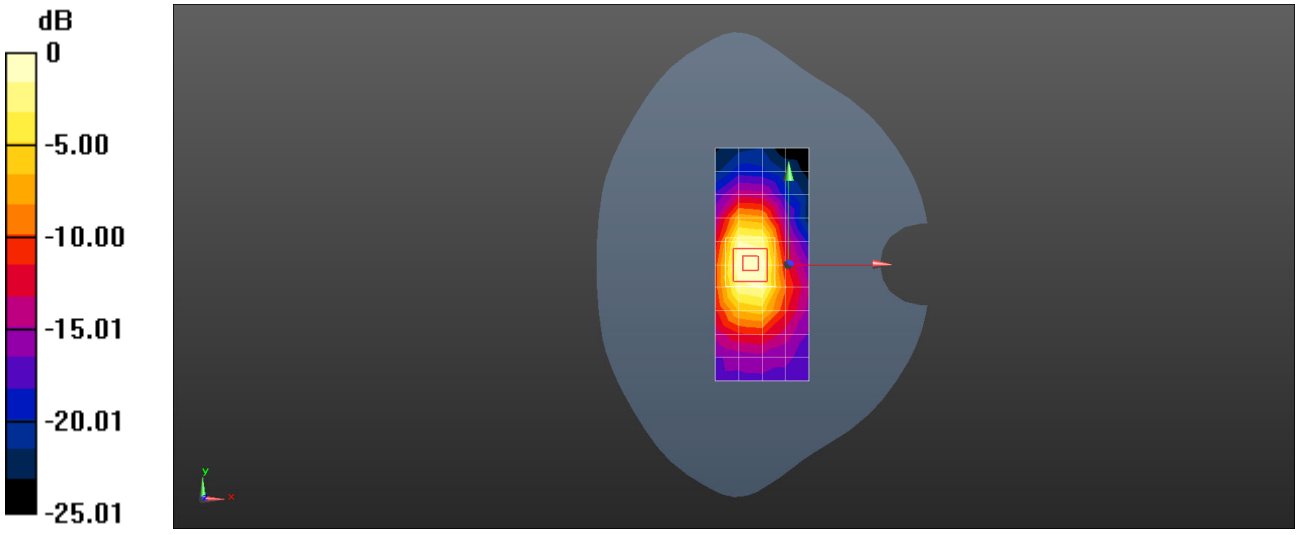
Communication System: UID 0, HW-UMTS-FDD(WCDMA) (0); Frequency: 1752.6 MHz;Duty Cycle: 1:1
Medium parameters used: f = 1753 MHz; $\sigma$ = 1.494 S/m; $\varepsilon_r$ = 53.196; $\rho$ = 1000 kg/m$^3$
Phantom section: Flat Section

DASY Configuration:

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

**Configuration/Body/Area Scan (5x11x1):** Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.219 W/kg

**Configuration/Body/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 12.50 V/m; Power Drift = 0.15 dB
Peak SAR (extrapolated) = 0.441 W/kg
**SAR(1 g) = 0.271 W/kg; SAR(10 g) = 0.144 W/kg**
Maximum value of SAR (measured) = 0.339 W/kg




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

Date: 2019-1-7

Test Laboratory: HUAWEI SAR/HAC Lab

## VOG-L04 UMTS Band IV 1513CH Bottom Side 10mm with Battery2-Main Antenna

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

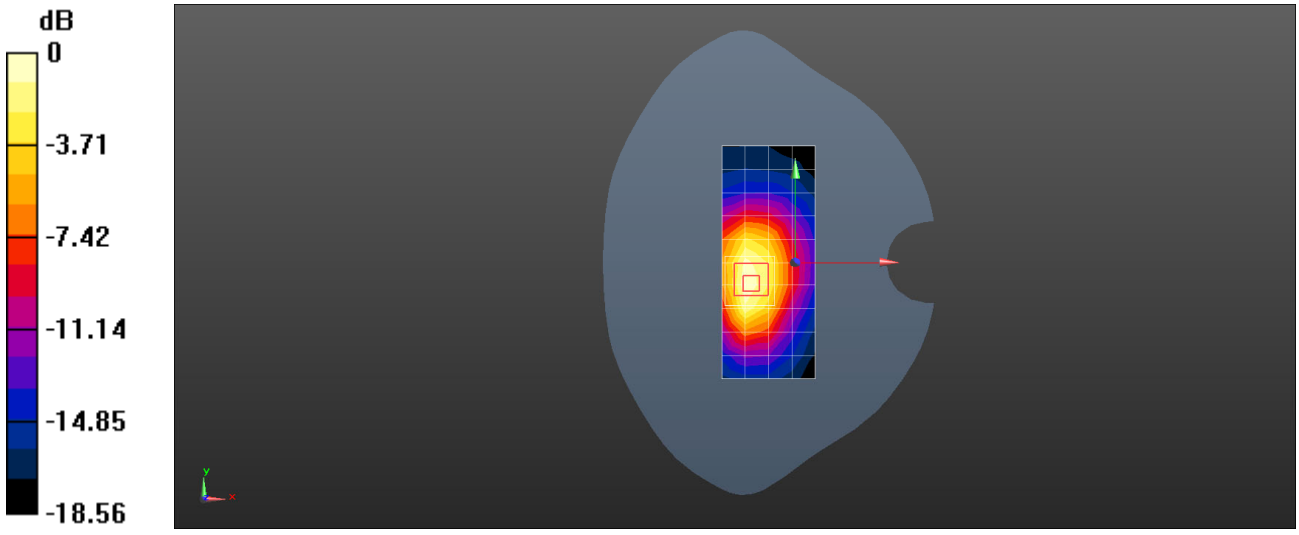
Communication System: UID 0, HW-UMTS-FDD(WCDMA) (0); Frequency: 1752.6 MHz;Duty Cycle: 1:1
Medium parameters used: f = 1753 MHz; $\sigma$ = 1.484 S/m; $\varepsilon_r$ = 52.225; $\rho$ = 1000 kg/m$^3$
Phantom section: Flat Section

DASY Configuration:

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

**Configuration/Body/Area Scan (5x11x1):** Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.596 W/kg

**Configuration/Body/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 19.01 V/m; Power Drift = -0.09 dB
Peak SAR (extrapolated) = 0.826 W/kg
**SAR(1 g) = 0.538 W/kg; SAR(10 g) = 0.312 W/kg**
Maximum value of SAR (measured) = 0.648 W/kg




0 dB = 0.596 W/kg = -2.25 dBW/kg

Date: 2019-1-7

Test Laboratory: HUAWEI SAR/HAC Lab

## VOG-L04 UMTS Band IV 1312CH Bottom Side 0mm-Main Antenna

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

Communication System: UID 0, HW-UMTS-FDD(WCDMA) (0); Frequency: 1712.4 MHz;Duty Cycle: 1:1
Medium parameters used (interpolated): f = 1712.4 MHz; $\sigma$ = 1.464 S/m; $\varepsilon_r$ = 52.23; $\rho$ = 1000 kg/m$^3$
Phantom section: Flat Section

DASY Configuration:

- Probe: ES3DV3 - SN3168; ConvF(5.02, 5.02, 5.02) @ 1712.4 MHz; Calibrated: 2018-9-27
- Sensor-Surface: 3mm (Mechanical Surface Detection), z = 2.0, 32.0
- Electronics: DAE4 Sn1235; Calibrated: 2018-11-14
- Phantom: SAM4; Type: SAM; Serial: 1620
- DASY52 52.10.1(1476); SEMCAD X 14.6.11(7439)

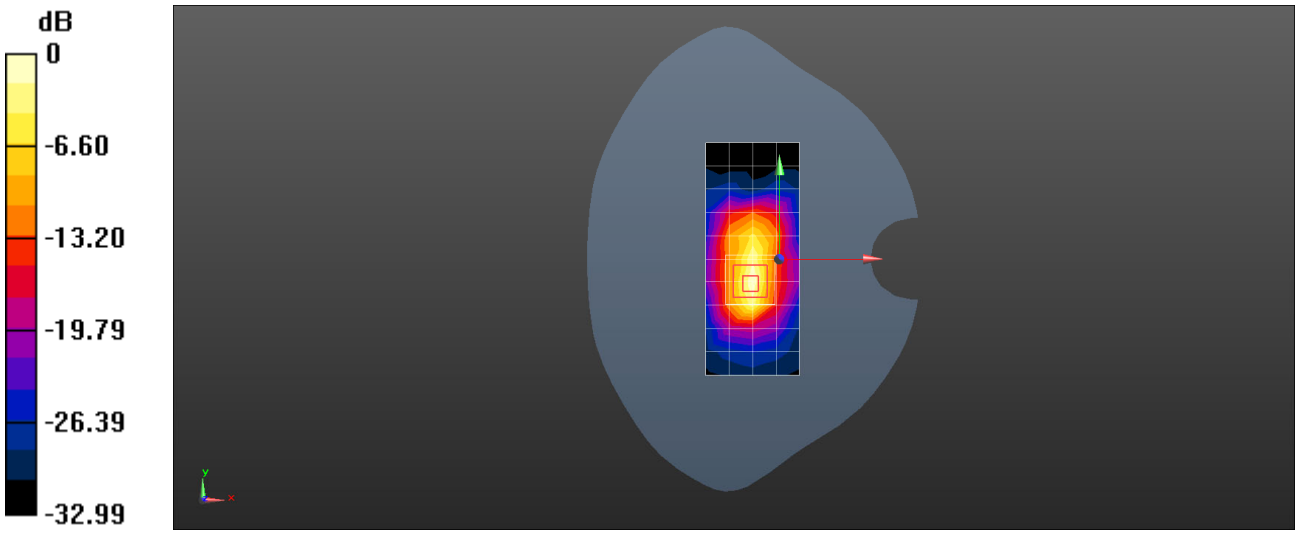
**Configuration/Body/Area Scan (5x11x1):** Measurement grid: dx=15mm, dy=15mm

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 6.28 W/kg

**Configuration/Body/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 52.57 V/m; Power Drift = 0.04 dB
Peak SAR (extrapolated) = 9.46 W/kg
**SAR(1 g) = 4.39 W/kg; SAR(10 g) = 1.86 W/kg**

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 6.42 W/kg




0 dB = 6.28 W/kg = 7.98 dBW/kg

Date: 2019-1-4

Test Laboratory: HUAWEI SAR/HAC Lab

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

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

Communication System: UID 0, HW-UMTS-FDD(WCDMA) (0); Frequency: 836.4 MHz;Duty Cycle: 1:1
Medium parameters used (interpolated): f = 836.4 MHz; $\sigma$ = 0.936 S/m; $\varepsilon_r$ = 42.274; $\rho$ = 1000 kg/m$^3$
Phantom section: Right Section

DASY Configuration:

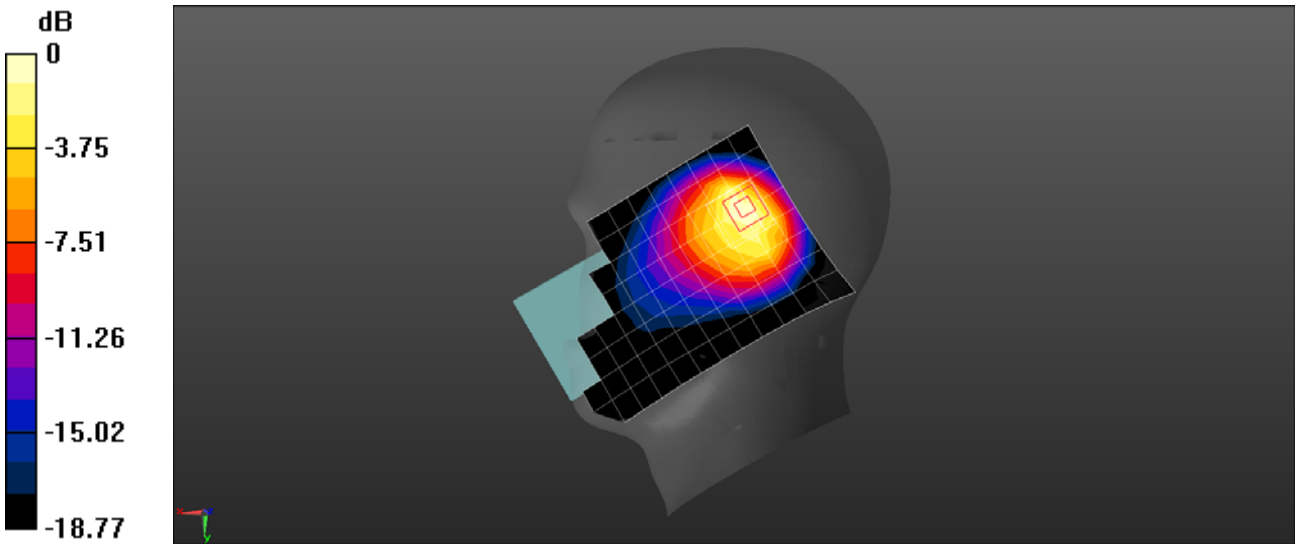
- Probe: EX3DV4 - SN3736; ConvF(8.86, 8.86, 8.86) @ 836.4 MHz; Calibrated: 2018-4-27
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), z = 1.0, 31.0
- Electronics: DAE4 Sn851; Calibrated: 2018-7-18
- Phantom: SAM9; Type: SAM; Serial: 1958
- DASY52 52.10.1(1476); SEMCAD X 14.6.11(7439)

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

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.735 W/kg

**Configuration/Head/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 17.35 V/m; Power Drift = -0.02 dB
Peak SAR (extrapolated) = 0.853 W/kg
**SAR(1 g) = 0.346 W/kg; SAR(10 g) = 0.167 W/kg**

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.566 W/kg




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

Date: 2019-1-4

Test Laboratory: HUAWEI SAR/HAC Lab

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

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

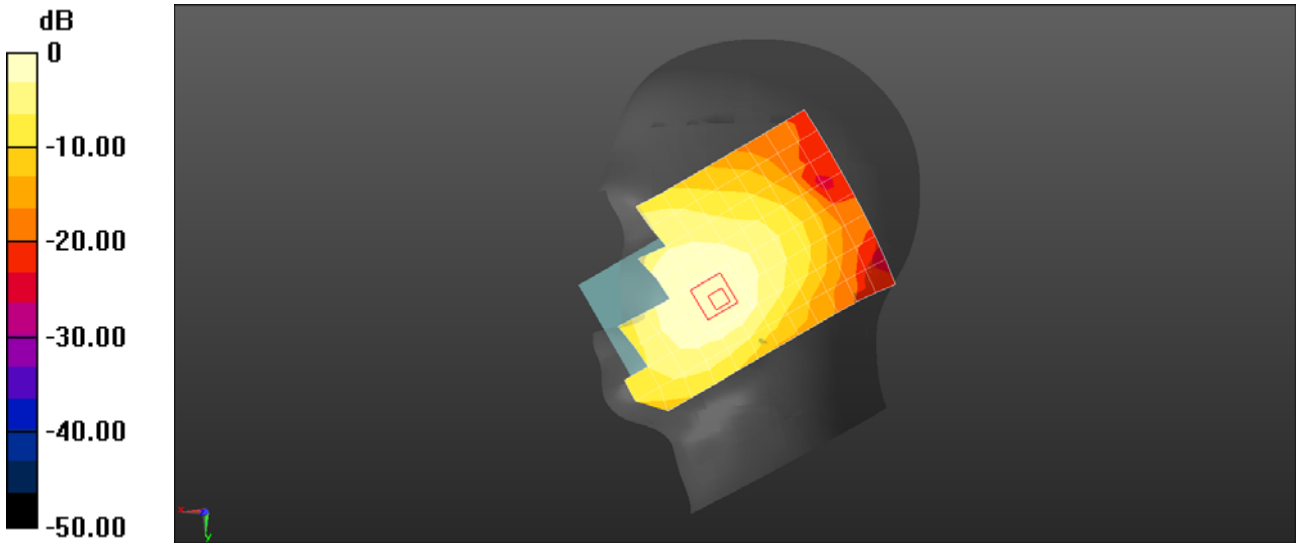
Communication System: UID 0, HW-UMTS-FDD(WCDMA) (0); Frequency: 846.6 MHz;Duty Cycle: 1:1
Medium parameters used: f = 847 MHz; $\sigma$ = 0.94 S/m; $\varepsilon_r$ = 42.253; $\rho$ = 1000 kg/m$^3$
Phantom section: Right Section

DASY Configuration:

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

**Configuration/Head/Area Scan (9x14x1):** Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.180 W/kg

**Configuration/Head/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 5.174 V/m; Power Drift = 0.04 dB
Peak SAR (extrapolated) = 0.202 W/kg
**SAR(1 g) = 0.155 W/kg; SAR(10 g) = 0.119 W/kg**
Maximum value of SAR (measured) = 0.183 W/kg




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

Date: 2019-1-4

Test Laboratory: HUAWEI SAR/HAC Lab

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

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

Communication System: UID 0, HW-UMTS-FDD(WCDMA) (0); Frequency: 836.4 MHz;Duty Cycle: 1:1
Medium parameters used (interpolated): f = 836.4 MHz; $\sigma$ = 1.015 S/m; $\varepsilon_r$ = 53.868; $\rho$ = 1000 kg/m$^3$
Phantom section: Flat Section

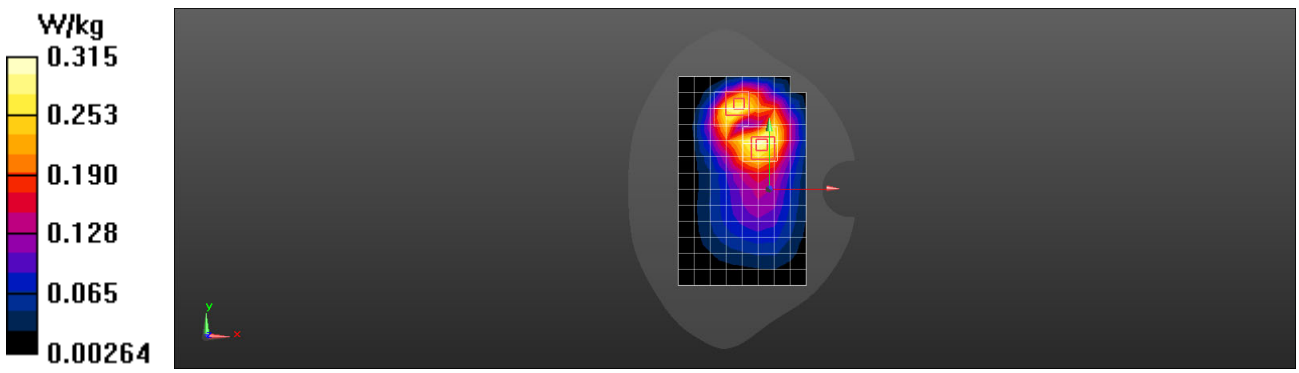
DASY Configuration:

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

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

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.311 W/kg

**Configuration/Body/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 11.03 V/m; Power Drift = -0.04 dB
Peak SAR (extrapolated) = 0.357 W/kg
**SAR(1 g) = 0.245 W/kg; SAR(10 g) = 0.166 W/kg**
Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.317 W/kg
**Configuration/Body/Zoom Scan (5x5x7)/Cube 1:** Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 11.03 V/m; Power Drift = -0.04 dB
Peak SAR (extrapolated) = 0.385 W/kg
**SAR(1 g) = 0.229 W/kg; SAR(10 g) = 0.134 W/kg**
Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.315 W/kg



Date: 2019-1-3

Test Laboratory: HUAWEI SAR/HAC Lab

## VOG-L04 UMTS Band V 4233CH Back Side 15mm with Battery2-Main Antenna

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

Communication System: UID 0, HW-UMTS-FDD(WCDMA) (0); Frequency: 846.6 MHz;Duty Cycle: 1:1
Medium parameters used: f = 847 MHz; $\sigma$ = 1.019 S/m; $\varepsilon_r$ = 53.829; $\rho$ = 1000 kg/m$^3$
Phantom section: Flat Section

DASY Configuration:

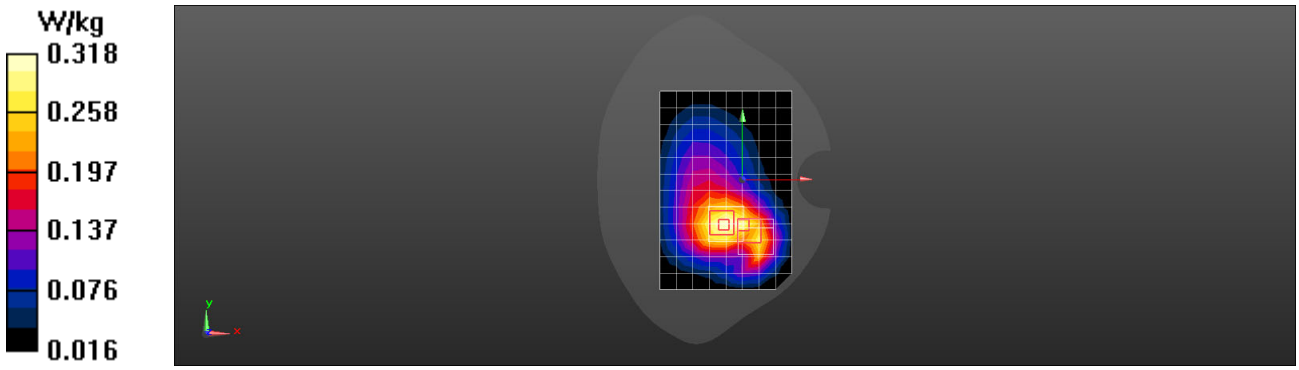
- Probe: EX3DV4 - SN3744; ConvF(9.12, 9.12, 9.12) @ 846.6 MHz; Calibrated: 2018-7-25
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), z = 1.0, 31.0
- Electronics: DAE4 Sn852; Calibrated: 2018-4-23
- Phantom: SAM5; Type: SAM; Serial: 1892
- DASY52 52.10.1(1476); SEMCAD X 14.6.11(7439)

**Configuration/Body/Area Scan (9x13x1):** Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.334 W/kg

**Configuration/Body/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 12.94 V/m; Power Drift = -0.12 dB
Peak SAR (extrapolated) = 0.375 W/kg
**SAR(1 g) = 0.263 W/kg; SAR(10 g) = 0.185 W/kg**
Maximum value of SAR (measured) = 0.333 W/kg

**Configuration/Body/Zoom Scan (5x5x7)/Cube 1:** Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 12.94 V/m; Power Drift = -0.12 dB
Peak SAR (extrapolated) = 0.366 W/kg
**SAR(1 g) = 0.231 W/kg; SAR(10 g) = 0.139 W/kg**

Maximum value of SAR (measured) = 0.318 W/kg



Date: 2019-1-4

Test Laboratory: HUAWEI SAR/HAC Lab

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

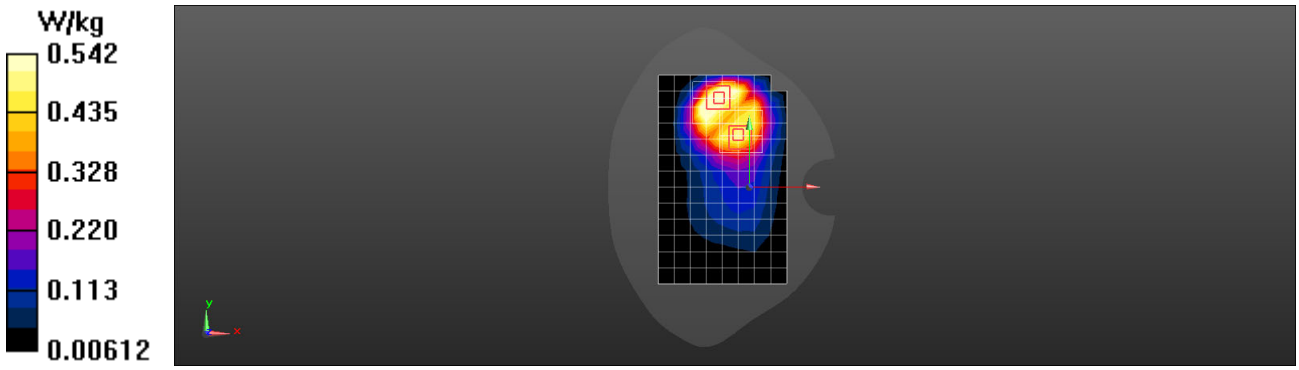
### DUT: VOG-L04; Type: Smart Phone; Serial: SAR3

Communication System: UID 0, HW-UMTS-FDD(WCDMA) (0); Frequency: 836.4 MHz;Duty Cycle: 1:1
Medium parameters used (interpolated): f = 836.4 MHz; $\sigma$ = 1.015 S/m; $\varepsilon_r$ = 53.868; $\rho$ = 1000 kg/m$^3$
Phantom section: Flat Section

DASY Configuration:

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

**Configuration/Body/Area Scan (9x14x1):** Measurement grid: dx=15mm, dy=15mm
Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.692 W/kg
**Configuration/Body/Zoom Scan (6x6x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 11.44 V/m; Power Drift = -0.02 dB
Peak SAR (extrapolated) = 1.02 W/kg
**SAR(1 g) = 0.560 W/kg; SAR(10 g) = 0.309 W/kg**
Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.847 W/kg
**Configuration/Body/Zoom Scan (6x6x7)/Cube 1:** Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 11.44 V/m; Power Drift = -0.02 dB
Peak SAR (extrapolated) = 0.658 W/kg
**SAR(1 g) = 0.421 W/kg; SAR(10 g) = 0.273 W/kg**
Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.542 W/kg



Date: 2019-1-3

Test Laboratory: HUAWEI SAR/HAC Lab

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

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

Communication System: UID 0, HW-UMTS-FDD(WCDMA) (0); Frequency: 836.4 MHz;Duty Cycle: 1:1
Medium parameters used (interpolated): f = 836.4 MHz; $\sigma$ = 1.015 S/m; $\varepsilon_r$ = 53.868; $\rho$ = 1000 kg/m$^3$
Phantom section: Flat Section

DASY Configuration:

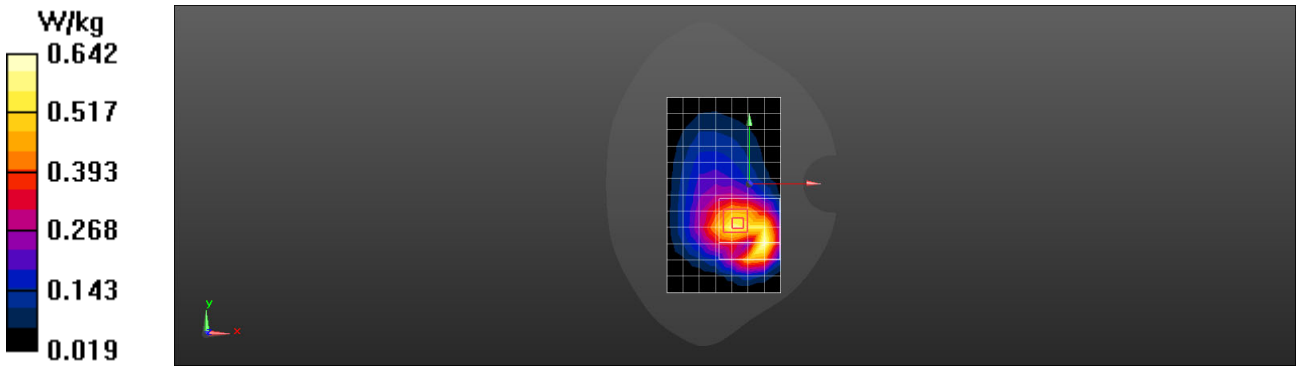
- Probe: EX3DV4 - SN3744; ConvF(9.12, 9.12, 9.12) @ 836.4 MHz; Calibrated: 2018-7-25
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), z = 1.0, 31.0
- Electronics: DAE4 Sn852; Calibrated: 2018-4-23
- Phantom: SAM5; Type: SAM; Serial: 1892
- DASY52 52.10.1(1476); SEMCAD X 14.6.11(7439)

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

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.629 W/kg

**Configuration/Body/Zoom Scan (8x8x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 15.36 V/m; Power Drift = -0.19 dB
Peak SAR (extrapolated) = 0.779 W/kg
**SAR(1 g) = 0.464 W/kg; SAR(10 g) = 0.312 W/kg**

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.642 W/kg



Date: 2019-1-4

Test Laboratory: HUAWEI SAR/HAC Lab

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

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

Communication System: UID 0, LTE-FDD (SC-FDMA, 20MHz, QPSK/16-QAM) (0); Frequency: 1900 MHz;Duty Cycle: 1:1
Medium parameters used: f = 1900 MHz; $\sigma$ = 1.454 S/m; $\varepsilon_r$ = 40.156; $\rho$ = 1000 kg/m$^3$
Phantom section: Right Section

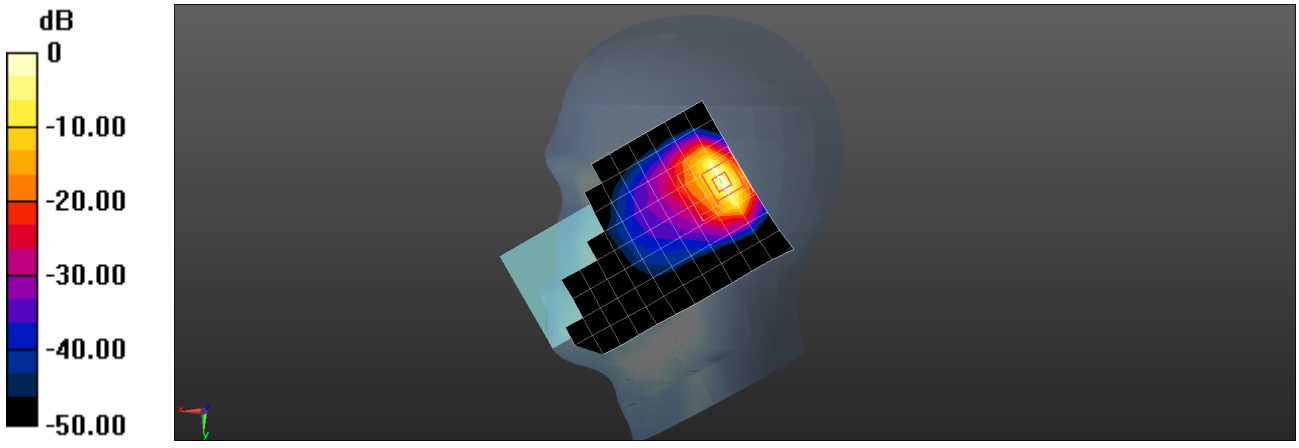
DASY Configuration:

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

**Configuration/Head/Area Scan (9x14x1):** Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.521 W/kg

**Configuration/Head/Zoom Scan (6x7x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 1.444 V/m; Power Drift = 0.12 dB
Peak SAR (extrapolated) = 1.32 W/kg
**SAR(1 g) = 0.453 W/kg; SAR(10 g) = 0.148 W/kg**

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




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

Date: 2019-1-3

Test Laboratory: HUAWEI SAR/HAC Lab

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

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

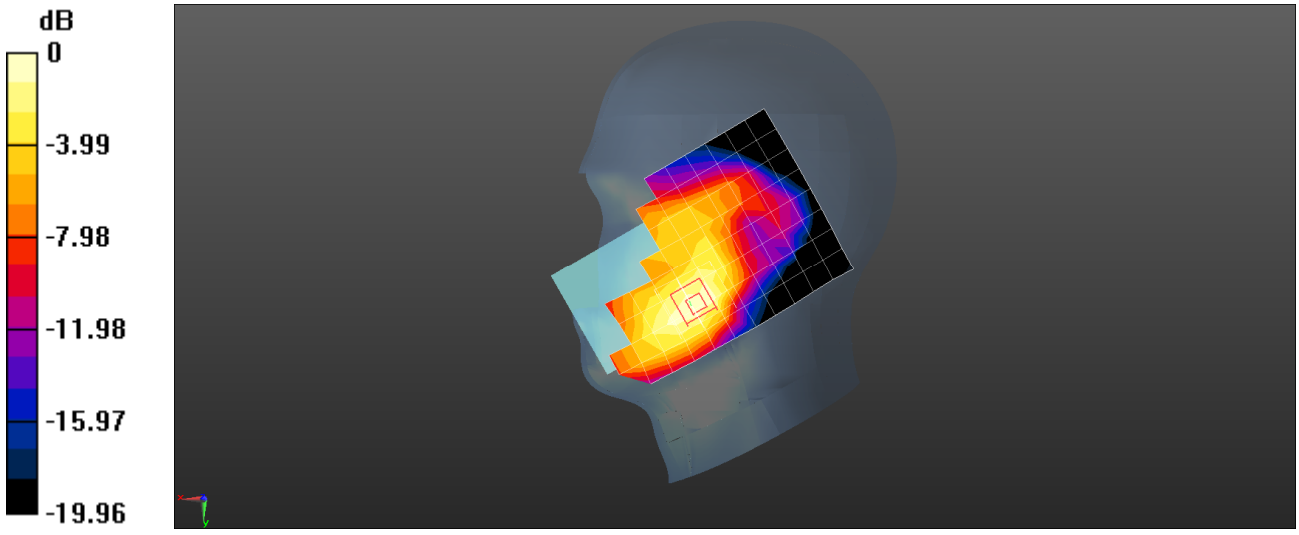
Communication System: UID 0, LTE-FDD (SC-FDMA, 20MHz, QPSK/16-QAM) (0); Frequency: 1860 MHz;Duty Cycle: 1:1
Medium parameters used: f = 1860 MHz; $\sigma$ = 1.439 S/m; $\varepsilon_r$ = 39.283; $\rho$ = 1000 kg/m$^3$
Phantom section: Right Section

DASY Configuration:

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

**Configuration/Head/Area Scan (9x14x1):** Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.246 W/kg

**Configuration/Head/Zoom Scan (5x6x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 13.18 V/m; Power Drift = 0.13 dB
Peak SAR (extrapolated) = 0.311 W/kg
**SAR(1 g) = 0.210 W/kg; SAR(10 g) = 0.131 W/kg**
Maximum value of SAR (measured) = 0.242 W/kg




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

Date: 2019-1-4

Test Laboratory: HUAWEI SAR/HAC Lab

## VOG-L04 LTE Band 2 20M QPSK 1RB 0 Offset 18700CH Back Side 15mm-Second Antenna

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

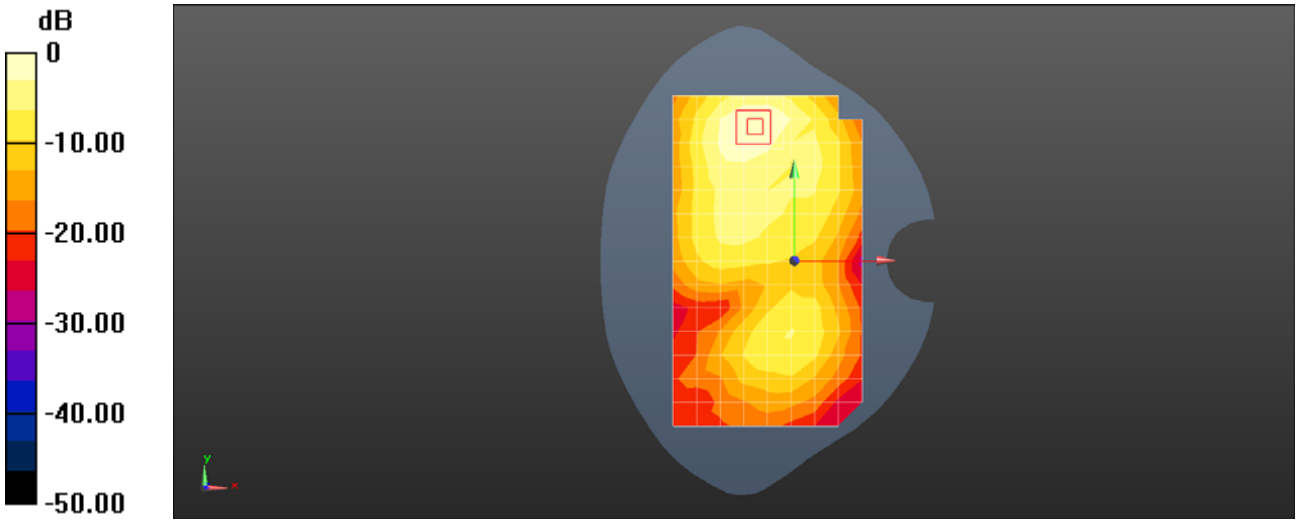
Communication System: UID 0, LTE-FDD (SC-FDMA, 20MHz, QPSK/16-QAM) (0); Frequency: 1860 MHz;Duty Cycle: 1:1
Medium parameters used: f = 1860 MHz; $\sigma$ = 1.463 S/m; $\varepsilon_r$ = 50.754; $\rho$ = 1000 kg/m$^3$
Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN7505; ConvF(7.87, 7.87, 7.87) @ 1860 MHz; Calibrated: 2018-6-12
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), z = 1.0, 31.0
- Electronics: DAE4 Sn1492; Calibrated: 2018-11-14
- Phantom: SAM2; Type: SAM; Serial: 1474
- DASY52 52.10.1(1476); SEMCAD X 14.6.11(7439)

**Configuration/Body/Area Scan (9x15x1):** Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.133 W/kg

**Configuration/Body/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 3.217 V/m; Power Drift = 0.12 dB
Peak SAR (extrapolated) = 0.154 W/kg
**SAR(1 g) = 0.111 W/kg; SAR(10 g) = 0.070 W/kg**
Maximum value of SAR (measured) = 0.141 W/kg




0 dB = 0.133 W/kg = -8.76 dBW/kg

Date: 2019-1-4

Test Laboratory: HUAWEI SAR/HAC Lab

## VOG-L04 LTE Band 2 20M QPSK 1RB 0 Offset 19100CH Back Side 15mm With Battery2-Main Antenna

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

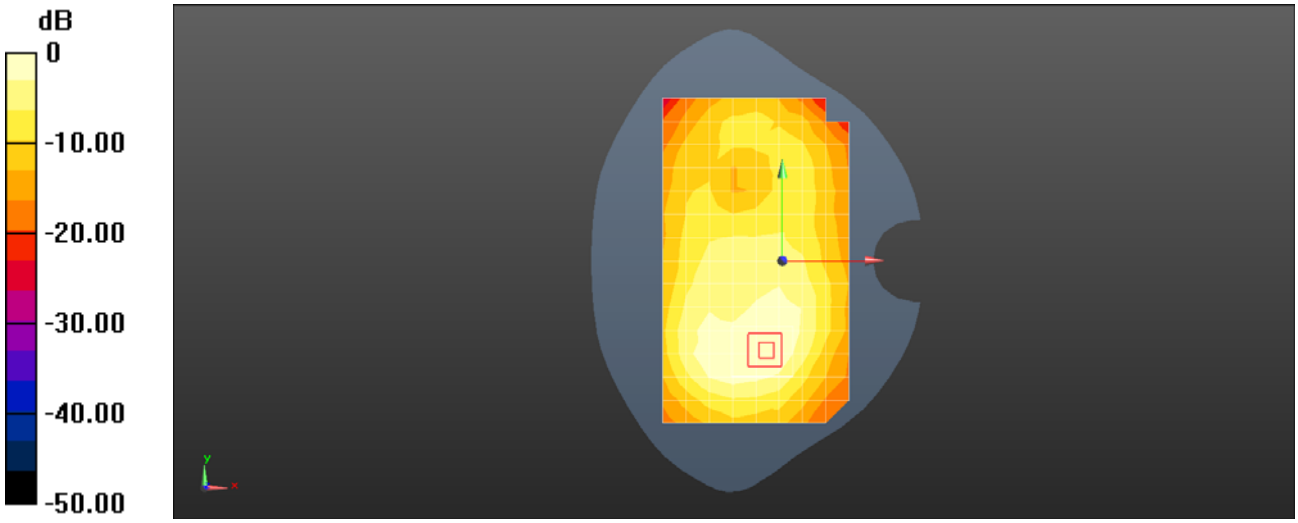
Communication System: UID 0, LTE-FDD (SC-FDMA, 20MHz, QPSK/16-QAM) (0); Frequency: 1900 MHz;Duty Cycle: 1:1
Medium parameters used: f = 1900 MHz; $\sigma$ = 1.483 S/m; $\varepsilon_r$ = 50.744; $\rho$ = 1000 kg/m$^3$
Phantom section: Flat Section

DASY Configuration:

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

**Configuration/Body/Area Scan (9x15x1):** Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.440 W/kg

**Configuration/Body/Zoom Scan (6x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 10.31 V/m; Power Drift = -0.09 dB
Peak SAR (extrapolated) = 0.447 W/kg
**SAR(1 g) = 0.334 W/kg; SAR(10 g) = 0.221 W/kg**
Maximum value of SAR (measured) = 0.416 W/kg




0 dB = 0.440 W/kg = -3.56 dBW/kg

Date: 2019-1-4

Test Laboratory: HUAWEI SAR/HAC Lab

## VOG-L04 LTE Band 2 20M QPSK 1RB 99 Offset 19100CH Top Side 10mm-Second Antenna

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

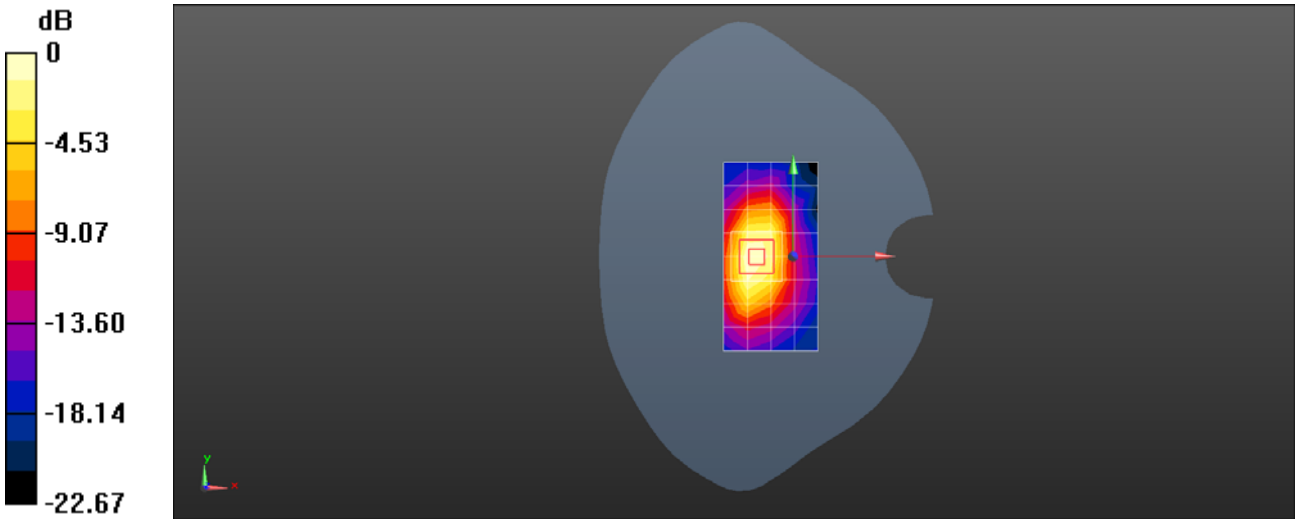
Communication System: UID 0, LTE-FDD (SC-FDMA, 20MHz, QPSK/16-QAM) (0); Frequency: 1900 MHz;Duty Cycle: 1:1
Medium parameters used: f = 1900 MHz; $\sigma$ = 1.483 S/m; $\varepsilon_r$ = 50.744; $\rho$ = 1000 kg/m$^3$
Phantom section: Flat Section

DASY Configuration:

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

**Configuration/Body/Area Scan (5x9x1):** Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.266 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 = 0.11 dB
Peak SAR (extrapolated) = 0.380 W/kg
**SAR(1 g) = 0.244 W/kg; SAR(10 g) = 0.133 W/kg**
Maximum value of SAR (measured) = 0.343 W/kg




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

Date: 2019-1-3

Test Laboratory: HUAWEI SAR/HAC Lab

## VOG-L04 LTE Band 2 20M QPSK 1RB 99 Offset 18900CH Bottom Side 10mm-Main Antenna

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

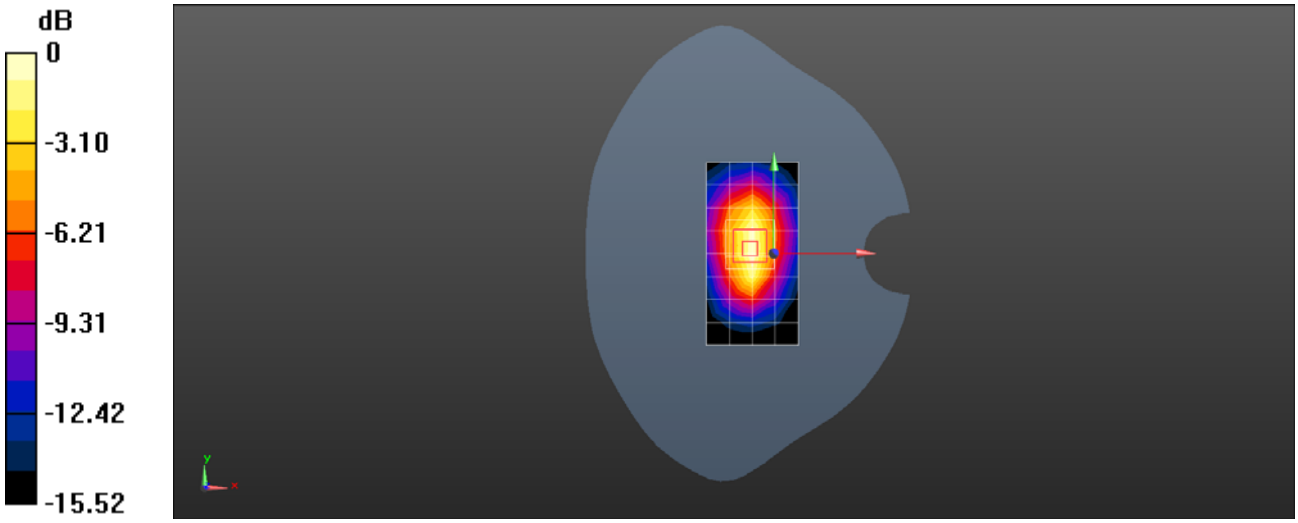
Communication System: UID 0, LTE-FDD (SC-FDMA, 20MHz, QPSK/16-QAM) (0); Frequency: 1880 MHz;Duty Cycle: 1:1
Medium parameters used: f = 1880 MHz; $\sigma$ = 1.475 S/m; $\varepsilon_r$ = 50.74; $\rho$ = 1000 kg/m$^3$
Phantom section: Flat Section

DASY Configuration:

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

**Configuration/Body/Area Scan (5x9x1):** Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.628 W/kg

**Configuration/Body/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 21.73 V/m; Power Drift = -0.13 dB
Peak SAR (extrapolated) = 0.728 W/kg
**SAR(1 g) = 0.456 W/kg; SAR(10 g) = 0.264 W/kg**
Maximum value of SAR (measured) = 0.640 W/kg




0 dB = 0.640 W/kg = -1.94 dBW/kg

Date: 2019-1-4

Test Laboratory: HUAWEI SAR/HAC Lab

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

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

Communication System: UID 0, LTE-FDD (SC-FDMA, 20MHz, QPSK/16-QAM) (0); Frequency: 1732.5 MHz;Duty Cycle: 1:1
Medium parameters used: f = 1733 MHz; $\sigma$ = 1.36 S/m; $\varepsilon_r$ = 38.815; $\rho$ = 1000 kg/m$^3$
Phantom section: Left Section

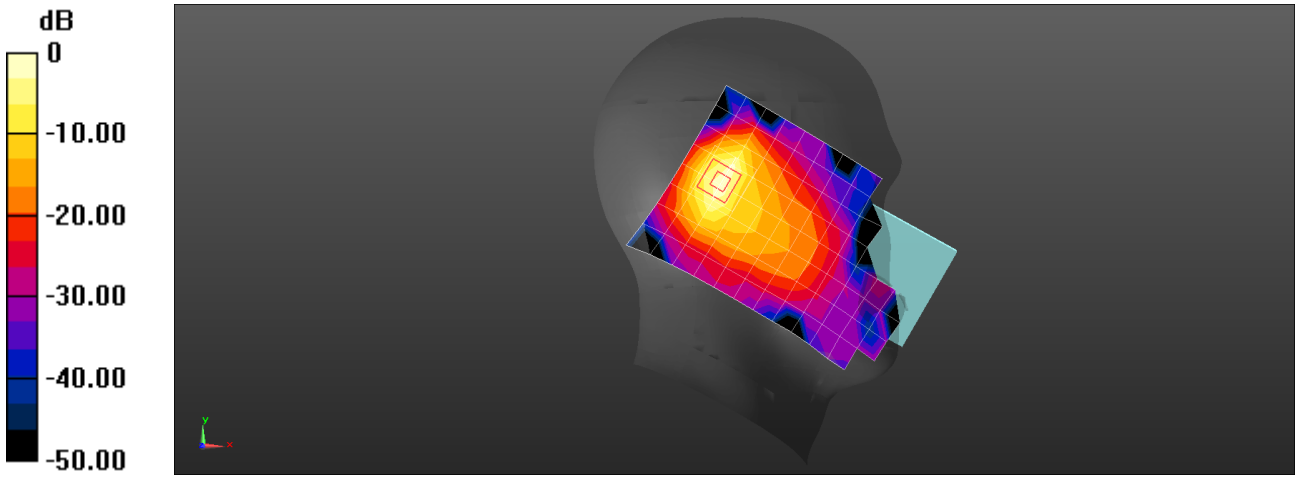
DASY Configuration:

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

**Configuration/Head/Area Scan (9x14x1):** Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.594 W/kg

**Configuration/Head/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 6.616 V/m; Power Drift = 0.12 dB
Peak SAR (extrapolated) = 0.754 W/kg
**SAR(1 g) = 0.352 W/kg; SAR(10 g) = 0.158 W/kg**

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




0 dB = 0.601 W/kg = -2.21 dBW/kg

Date: 2019-1-3

Test Laboratory: HUAWEI SAR/HAC Lab

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

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

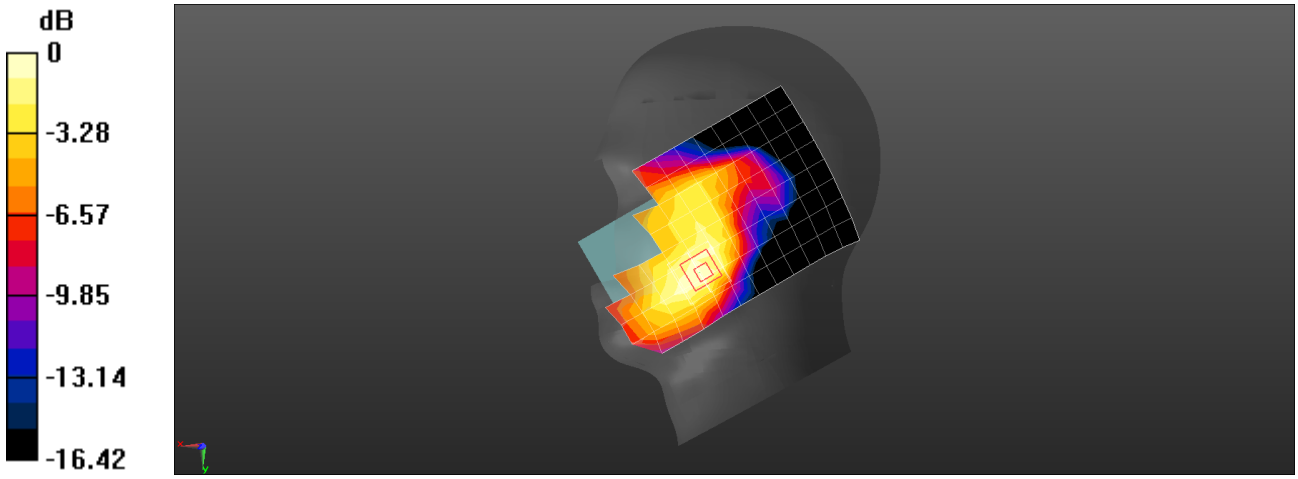
Communication System: UID 0, LTE-FDD (SC-FDMA, 20MHz, QPSK/16-QAM) (0); Frequency: 1720 MHz;Duty Cycle: 1:1
Medium parameters used: f = 1720 MHz; $\sigma$ = 1.352 S/m; $\varepsilon_r$ = 38.825; $\rho$ = 1000 kg/m$^3$
Phantom section: Right Section

DASY Configuration:

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

**Configuration/Head/Area Scan (9x14x1):** Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.282 W/kg

**Configuration/Head/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 5.763 V/m; Power Drift = 0.18 dB
Peak SAR (extrapolated) = 0.334 W/kg
**SAR(1 g) = 0.219 W/kg; SAR(10 g) = 0.143 W/kg**
Maximum value of SAR (measured) = 0.287 W/kg




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

Date: 2019-1-5

Test Laboratory: HUAWEI SAR/HAC Lab

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

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

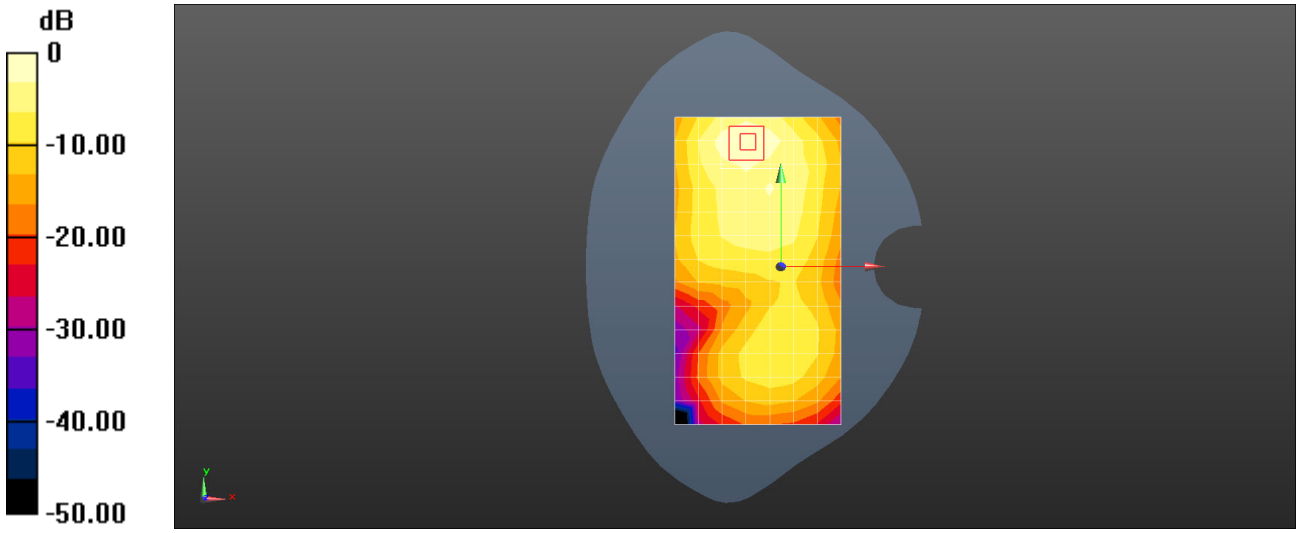
Communication System: UID 0, LTE-FDD (SC-FDMA, 20MHz, QPSK/16-QAM) (0); Frequency: 1732.5 MHz;Duty Cycle: 1:1
Medium parameters used: f = 1733 MHz; $\sigma$ = 1.477 S/m; $\varepsilon_r$ = 53.233; $\rho$ = 1000 kg/m$^3$
Phantom section: Flat Section

DASY Configuration:

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

**Configuration/Body/Area Scan (8x14x1):** Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.209 W/kg

**Configuration/Body/Zoom Scan (6x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 4.730 V/m; Power Drift = -0.01 dB
Peak SAR (extrapolated) = 0.260 W/kg
**SAR(1 g) = 0.175 W/kg; SAR(10 g) = 0.105 W/kg**
Maximum value of SAR (measured) = 0.209 W/kg




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

Date: 2019-1-5

Test Laboratory: HUAWEI SAR/HAC Lab

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

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

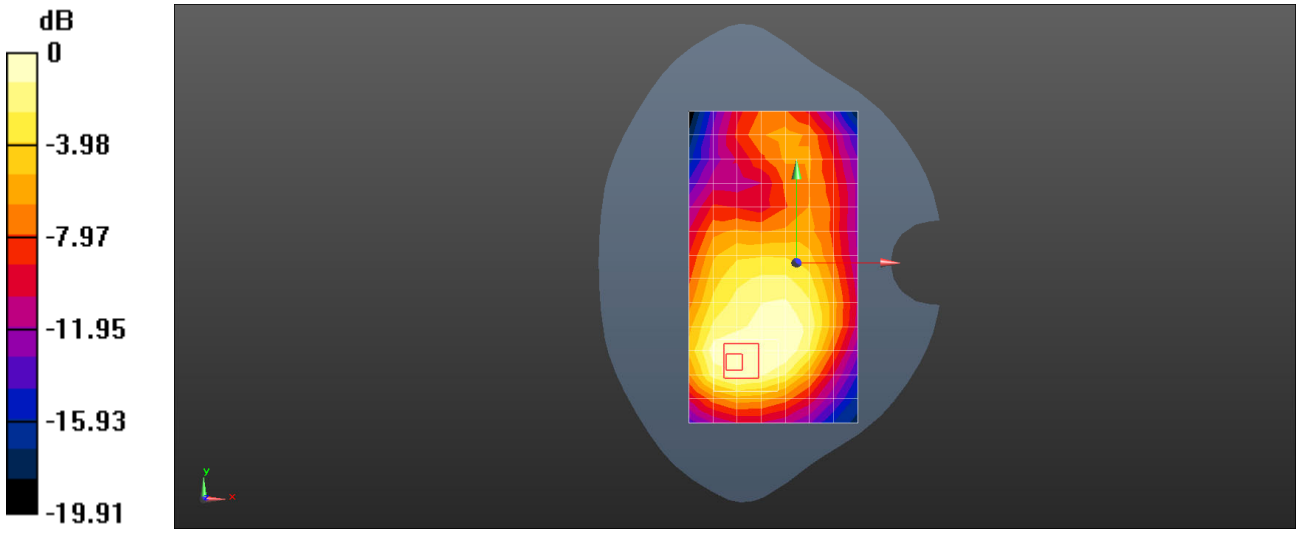
Communication System: UID 0, LTE-FDD (SC-FDMA, 20MHz, QPSK/16-QAM) (0); Frequency: 1732.5 MHz;Duty Cycle: 1:1
Medium parameters used: f = 1733 MHz; $\sigma$ = 1.477 S/m; $\varepsilon_r$ = 53.233; $\rho$ = 1000 kg/m$^3$
Phantom section: Flat Section

DASY Configuration:

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

**Configuration/Body/Area Scan (8x14x1):** Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.521 W/kg

**Configuration/Body/Zoom Scan (6x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 13.44 V/m; Power Drift = -0.08 dB
Peak SAR (extrapolated) = 0.733 W/kg
**SAR(1 g) = 0.495 W/kg; SAR(10 g) = 0.314 W/kg**
Maximum value of SAR (measured) = 0.578 W/kg




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

Date: 2019-1-5

Test Laboratory: HUAWEI SAR/HAC Lab

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

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

Communication System: UID 0, LTE-FDD (SC-FDMA, 20MHz, QPSK/16-QAM) (0); Frequency: 1745 MHz;Duty Cycle: 1:1
Medium parameters used (interpolated): f = 1745 MHz; $\sigma$ = 1.488 S/m; $\varepsilon_r$ = 53.215; $\rho$ = 1000 kg/m$^3$
Phantom section: Flat Section

DASY Configuration:

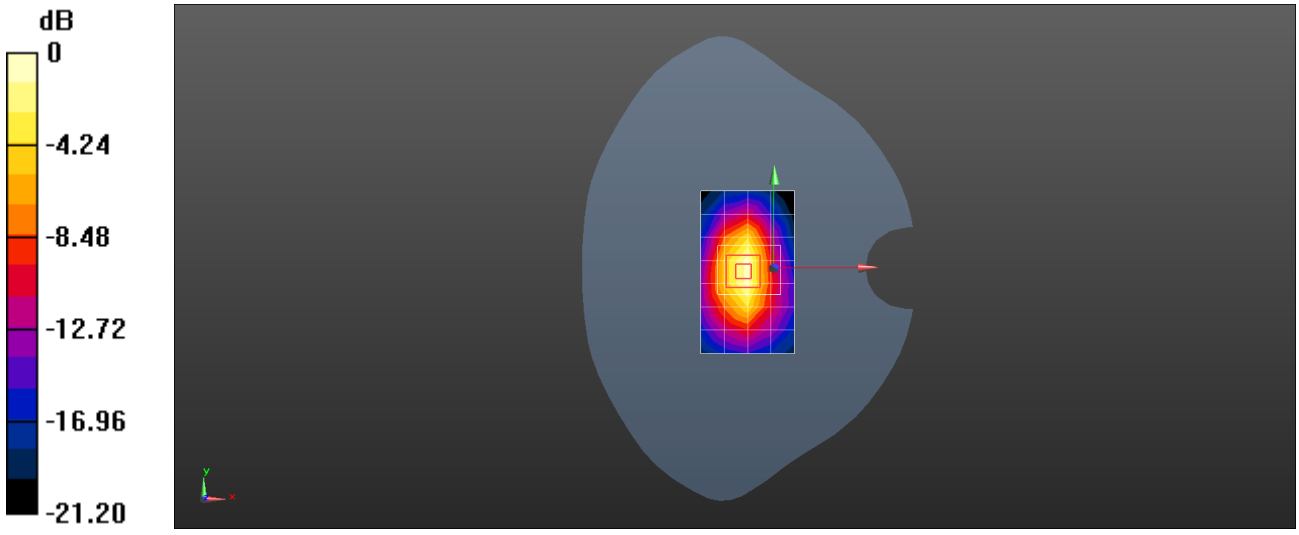
- Probe: ES3DV3 - SN3168; ConvF(5.02, 5.02, 5.02) @ 1745 MHz; Calibrated: 2018-9-27
- Sensor-Surface: 3mm (Mechanical Surface Detection), z = 2.0, 32.0
- Electronics: DAE4 Sn1235; Calibrated: 2018-11-14
- Phantom: SAM4; Type: SAM; Serial: 1620
- DASY52 52.10.1(1476); SEMCAD X 14.6.11(7439)

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

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.411 W/kg

**Configuration/Body/Zoom Scan (6x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 18.14 V/m; Power Drift = 0.14 dB
Peak SAR (extrapolated) = 0.609 W/kg
**SAR(1 g) = 0.380 W/kg; SAR(10 g) = 0.203 W/kg**

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.473 W/kg




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

Date: 2019-1-8

Test Laboratory: HUAWEI SAR/HAC Lab

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

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

Communication System: UID 0, LTE-FDD (SC-FDMA, 20MHz, QPSK/16-QAM) (0); Frequency: 1745 MHz;Duty Cycle: 1:1
Medium parameters used (interpolated): f = 1745 MHz; $\sigma$ = 1.479 S/m; $\varepsilon_r$ = 52.221; $\rho$ = 1000 kg/m$^3$
Phantom section: Flat Section

DASY Configuration:

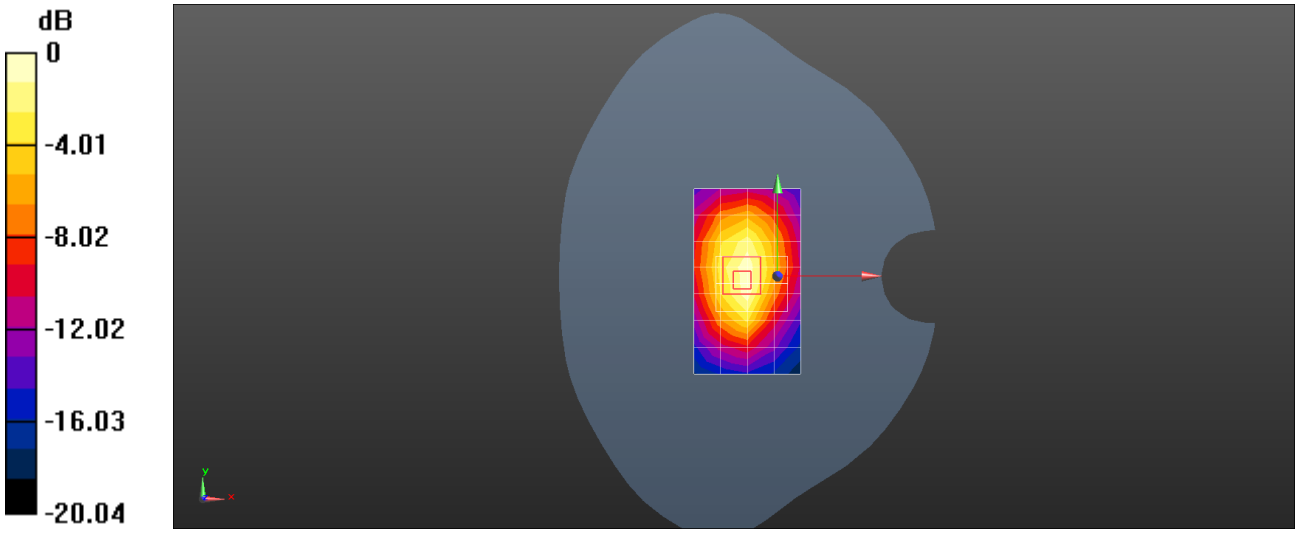
- Probe: ES3DV3 - SN3168; ConvF(5.02, 5.02, 5.02) @ 1745 MHz; Calibrated: 2018-9-27
- Sensor-Surface: 3mm (Mechanical Surface Detection), z = 2.0, 32.0
- Electronics: DAE4 Sn1235; Calibrated: 2018-11-14
- Phantom: SAM4; Type: SAM; Serial: 1620
- DASY52 52.10.1(1476); SEMCAD X 14.6.11(7439)

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

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.674 W/kg

**Configuration/Body/Zoom Scan (6x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 23.36 V/m; Power Drift = -0.17 dB
Peak SAR (extrapolated) = 0.929 W/kg
**SAR(1 g) = 0.598 W/kg; SAR(10 g) = 0.347 W/kg**

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.721 W/kg




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

Date: 2019-1-8

Test Laboratory: HUAWEI SAR/HAC Lab

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

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

Communication System: UID 0, LTE-FDD (SC-FDMA, 20MHz, QPSK/16-QAM) (0); Frequency: 1732.5 MHz;Duty Cycle: 1:1
Medium parameters used: f = 1733 MHz; $\sigma$ = 1.474 S/m; $\varepsilon_r$ = 52.22; $\rho$ = 1000 kg/m$^3$
Phantom section: Flat Section

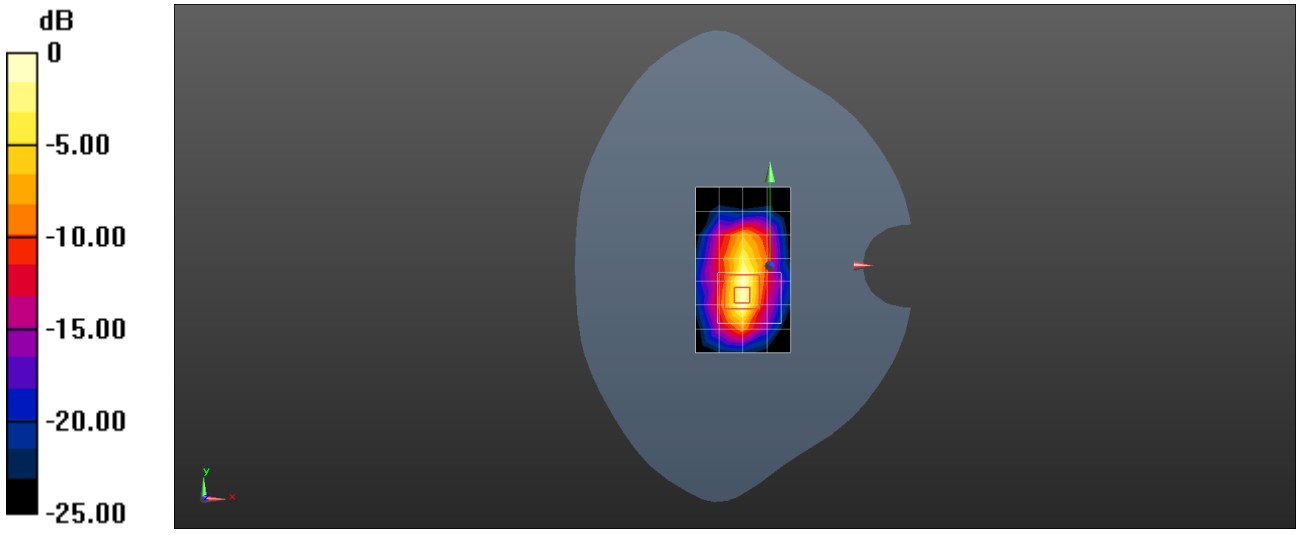
DASY Configuration:

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

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

**Configuration/Body/Zoom Scan (6x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 50.99 V/m; Power Drift = 0.14 dB
Peak SAR (extrapolated) = 8.77 W/kg
**SAR(1 g) = 4.31 W/kg; SAR(10 g) = 1.9 W/kg**

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




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

Date: 2019-1-4

Test Laboratory: HUAWEI SAR/HAC Lab

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

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

Communication System: UID 0, LTE-FDD (SC-FDMA, 10MHz, QPSK/16-QAM) (0); Frequency: 844 MHz;Duty Cycle: 1:1
Medium parameters used: f = 844 MHz; $\sigma$ = 0.939 S/m; $\varepsilon_r$ = 42.264; $\rho$ = 1000 kg/m$^3$
Phantom section: Left Section

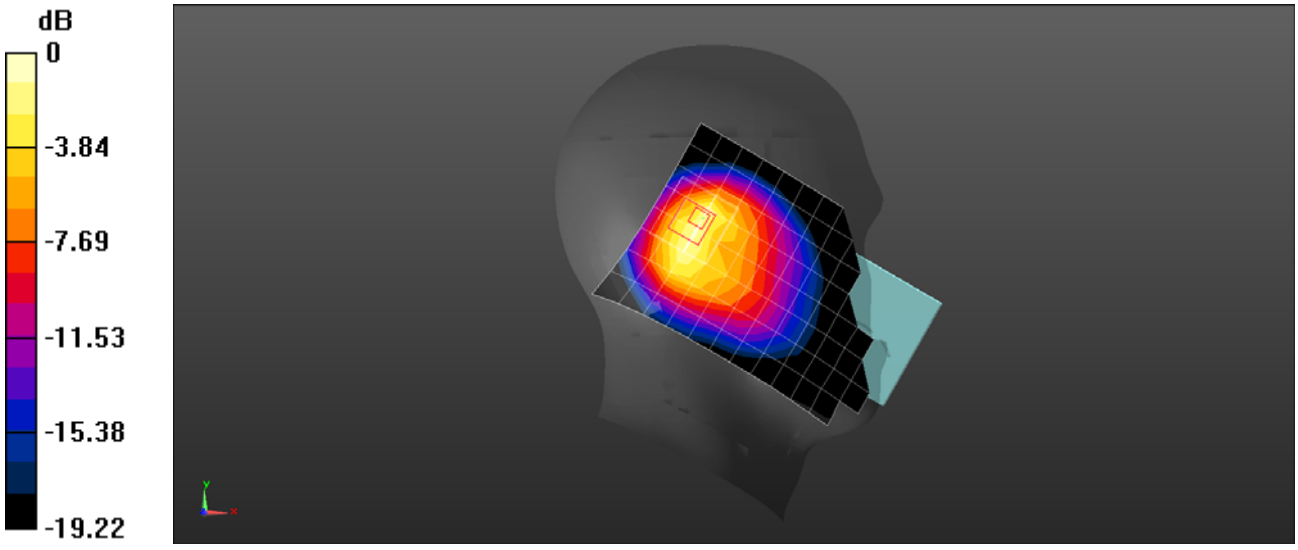
DASY Configuration:

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

**Configuration/Head/Area Scan (9x14x1):** Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.494 W/kg

**Configuration/Head/Zoom Scan (6x6x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 13.36 V/m; Power Drift = 0.15 dB
Peak SAR (extrapolated) = 0.804 W/kg
**SAR(1 g) = 0.339 W/kg; SAR(10 g) = 0.166 W/kg**

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




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

Date: 2019-1-4

Test Laboratory: HUAWEI SAR/HAC Lab

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

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

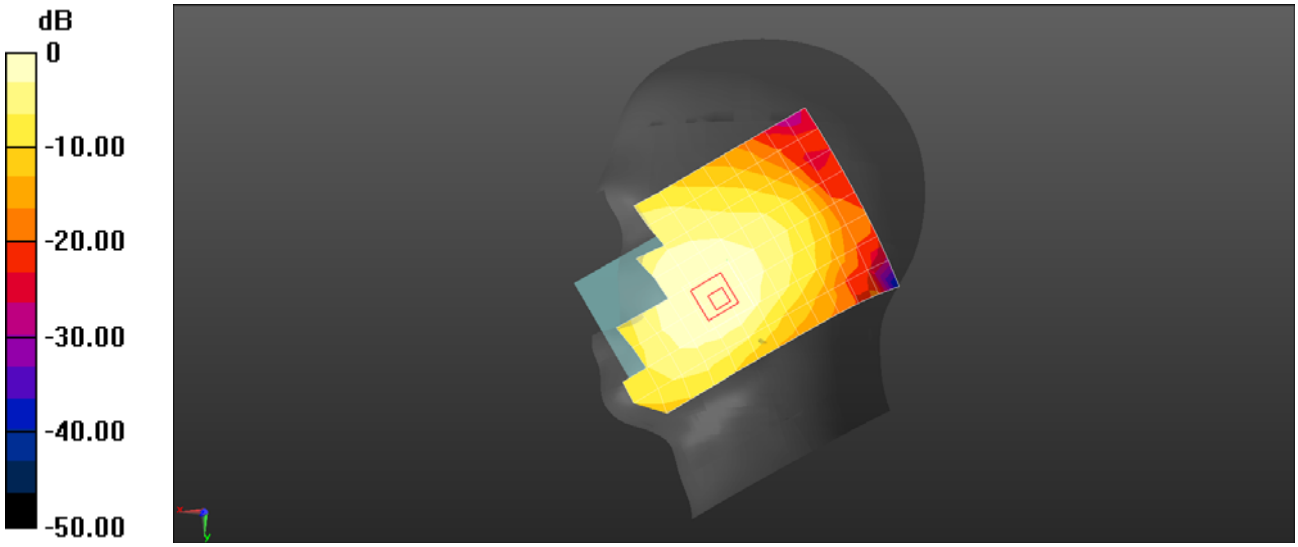
Communication System: UID 0, LTE-FDD (SC-FDMA, 10MHz, QPSK/16-QAM) (0); Frequency: 844 MHz;Duty Cycle: 1:1
Medium parameters used: f = 844 MHz; $\sigma$ = 0.939 S/m; $\varepsilon_r$ = 42.264; $\rho$ = 1000 kg/m$^3$
Phantom section: Right Section

DASY Configuration:

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

**Configuration/Head/Area Scan (9x14x1):** Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.179 W/kg

**Configuration/Head/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 5.811 V/m; Power Drift = 0.10 dB
Peak SAR (extrapolated) = 0.199 W/kg
**SAR(1 g) = 0.153 W/kg; SAR(10 g) = 0.118 W/kg**
Maximum value of SAR (measured) = 0.181 W/kg




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

Date: 2019-1-5

Test Laboratory: HUAWEI SAR/HAC Lab

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

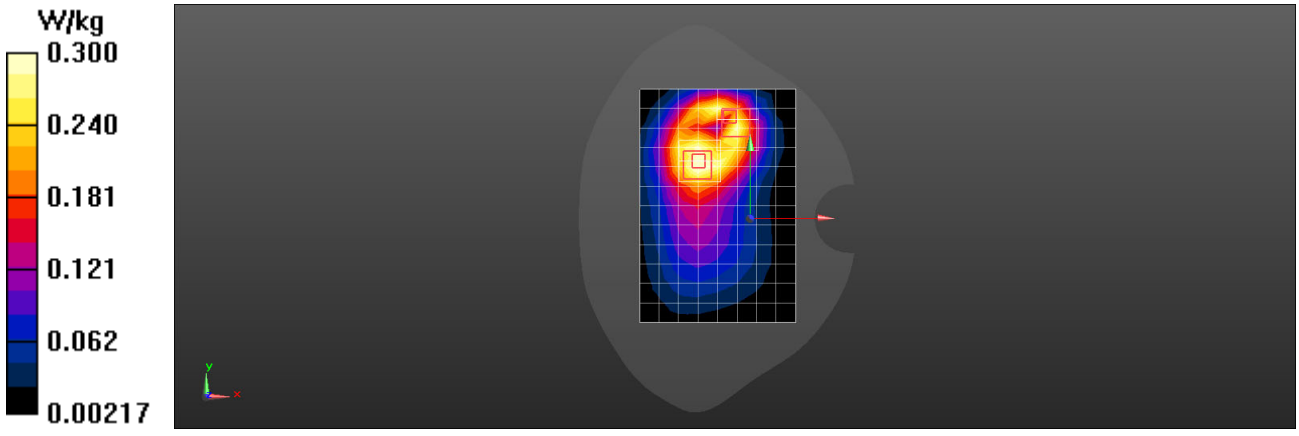
### DUT: VOG-L04; Type: Smart Phone; Serial: SAR3

Communication System: UID 0, LTE-FDD (SC-FDMA, 10MHz, QPSK/16-QAM) (0); Frequency: 836.5 MHz;Duty Cycle: 1:1
Medium parameters used (interpolated): f = 836.5 MHz; $\sigma$ = 1.015 S/m; $\varepsilon_r$ = 53.868; $\rho$ = 1000 kg/m$^3$
Phantom section: Flat Section

DASY Configuration:

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

**Configuration/Body/Area Scan (9x13x1):** Measurement grid: dx=15mm, dy=15mm
Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.319 W/kg
**Configuration/Body/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 10.79 V/m; Power Drift = -0.03 dB
Peak SAR (extrapolated) = 0.394 W/kg
**SAR(1 g) = 0.261 W/kg; SAR(10 g) = 0.171 W/kg**
Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.342 W/kg
**Configuration/Body/Zoom Scan (5x5x7)/Cube 1:** Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 10.79 V/m; Power Drift = -0.03 dB
Peak SAR (extrapolated) = 0.372 W/kg
**SAR(1 g) = 0.212 W/kg; SAR(10 g) = 0.121 W/kg**
Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.300 W/kg



Date: 2019-1-4

Test Laboratory: HUAWEI SAR/HAC Lab

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

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

Communication System: UID 0, LTE-FDD (SC-FDMA, 10MHz, QPSK/16-QAM) (0); Frequency: 844 MHz;Duty Cycle: 1:1
Medium parameters used: f = 844 MHz; $\sigma$ = 1.018 S/m; $\varepsilon_r$ = 53.839; $\rho$ = 1000 kg/m$^3$
Phantom section: Flat Section

DASY Configuration:

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

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

**Configuration/Body/Zoom Scan (6x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 13.72 V/m; Power Drift = 0.05 dB
Peak SAR (extrapolated) = 0.417 W/kg
**SAR(1 g) = 0.292 W/kg; SAR(10 g) = 0.205 W/kg**
Maximum value of SAR (measured) = 0.371 W/kg

**Configuration/Body/Zoom Scan (6x5x7)/Cube 1:** Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 13.72 V/m; Power Drift = 0.05 dB
Peak SAR (extrapolated) = 0.406 W/kg
**SAR(1 g) = 0.246 W/kg; SAR(10 g) = 0.139 W/kg**

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