

Test Laboratory: HUAWEI SAR/HAC Lab

## H1511 CDMA BC1 RC3 SO55 25CH Right hand touch check-Main Antenna

**DUT: H1511; Type: Smart Phone; Serial: SAR2**

Communication System: UID 0, HW-CDMA2000 (0); Frequency: 1851.25 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated):  $f = 1851.25$  MHz;  $\sigma = 1.392$  S/m;  $\epsilon_r = 39.731$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Right Section

DASY Configuration:

- Probe: EX3DV4 - SN7350; ConvF(8.12, 8.12, 8.12); Calibrated: 2015-1-8;
- Sensor-Surface: 3mm (Mechanical Surface Detection),  $z = 1.0, 31.0$
- Electronics: DAE4 Sn852; Calibrated: 2015-4-27
- Phantom: SAM1; Type: SAM; Serial: TP-1475
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

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

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

Maximum value of SAR (measured) = 0.145 W/kg

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

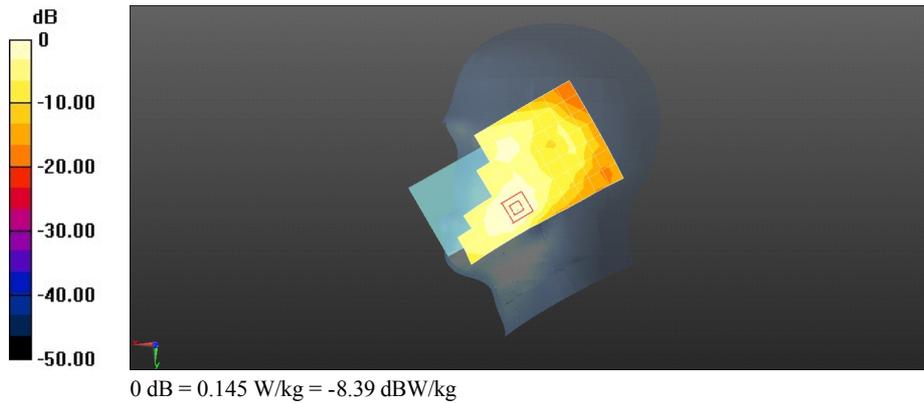
Reference Value = 5.646 V/m; Power Drift = -0.08 dB

Peak SAR (extrapolated) = 0.196 W/kg

**SAR(1 g) = 0.139 W/kg; SAR(10 g) = 0.090 W/kg**

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

Maximum value of SAR (measured) = 0.162 W/kg



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## H1511 CDMA BC1 RC3 SO32 600CH Front Side 15mm-Main Antenna

**DUT: H1511; Type: Smart Phone; Serial: SAR2**

Communication System: UID 0, CDMA2000 (0); Frequency: 1880 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.502$  S/m;  $\epsilon_r = 52.277$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY Configuration:

- Probe: ES3DV3 - SN3168; ConvF(4.72, 4.72, 4.72); Calibrated: 2014-9-24;
- Sensor-Surface: 3mm (Mechanical Surface Detection),  $z = 2.0, 32.0$
- Electronics: DAE4 Sn1236; Calibrated: 2014-11-13
- Phantom: SAM4; Type: SAM; Serial: TP-1620
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

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

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

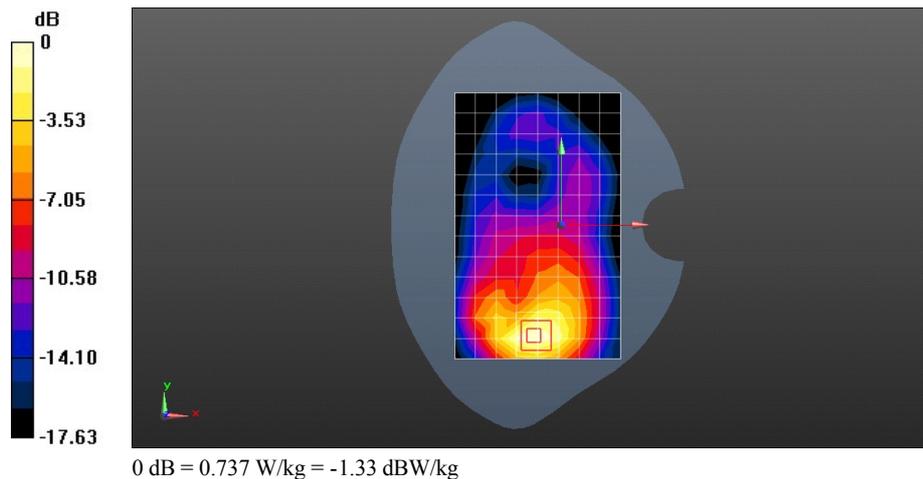
**Configuration/Body/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 6.642 V/m; Power Drift = 0.05 dB

Peak SAR (extrapolated) = 0.974 W/kg

**SAR(1 g) = 0.616 W/kg; SAR(10 g) = 0.361 W/kg**

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



Test Laboratory: HUAWEI SAR/HAC Lab

## H1511 CDMA BC1 Rev.0 25CH Bottom Side 10mm-repeated-Main Antenna

**DUT: H1511; Type: Smart Phone; Serial: SAR2**

Communication System: UID 0, CDMA2000 (0); Frequency: 1851.25 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated):  $f = 1851.25$  MHz;  $\sigma = 1.503$  S/m;  $\epsilon_r = 51.595$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY Configuration:

- Probe: ES3DV3 - SN3168; ConvF(4.72, 4.72, 4.72); Calibrated: 2014-9-24;
- Sensor-Surface: 3mm (Mechanical Surface Detection),  $z = 2.0, 32.0$
- Electronics: DAE4 Sn1236; Calibrated: 2014-11-13
- Phantom: SAM3; Type: SAM; Serial: TP-1597
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

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

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

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

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

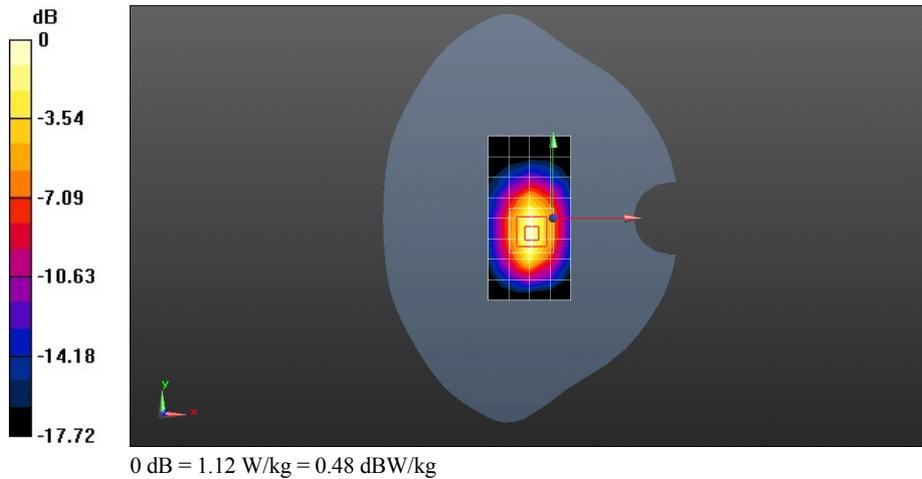
Reference Value = 24.18 V/m; Power Drift = -0.14 dB

Peak SAR (extrapolated) = 1.52 W/kg

**SAR(1 g) = 0.904 W/kg; SAR(10 g) = 0.489 W/kg**

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

Maximum value of SAR (measured) = 1.12 W/kg



Test Laboratory: HUAWEI SAR/HAC Lab

### H1511 CDMA BC1 Rev.0 1175CH Back Side-Repeated with 0mm-Main Antenna

**DUT: H1511; Type: Smart Phone; Serial: SAR2**

Communication System: UID 0, CDMA2000 (0); Frequency: 1908.75 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 1909$  MHz;  $\sigma = 1.561$  S/m;  $\epsilon_r = 51.407$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY Configuration:

- Probe: ES3DV3 - SN3168; ConvF(4.72, 4.72, 4.72); Calibrated: 2014-9-24;
- Sensor-Surface: 3mm (Mechanical Surface Detection),  $z = 2.0, 32.0$
- Electronics: DAE4 Sn1236; Calibrated: 2014-11-13
- Phantom: SAM3; Type: SAM; Serial: TP-1597
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

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

Maximum value of SAR (measured) = 6.35 W/kg

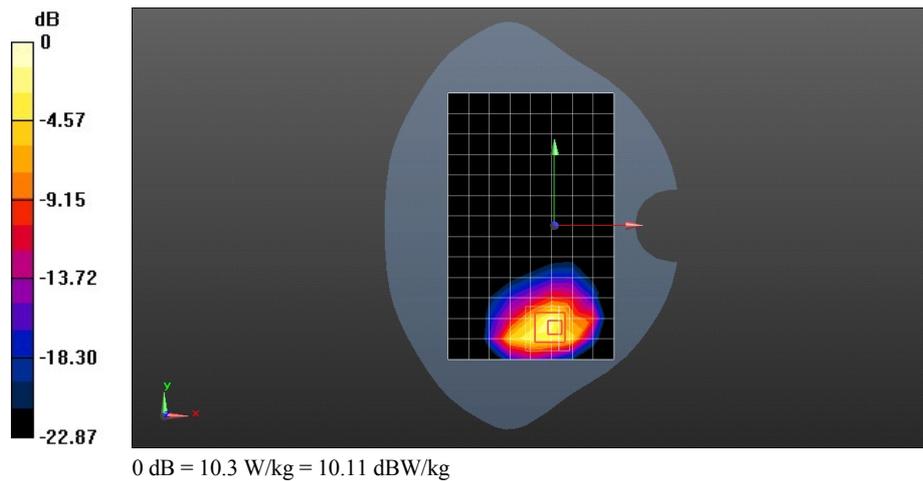
**Configuration/Body/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 0.8550 V/m; Power Drift = 0.09 dB

Peak SAR (extrapolated) = 16.7 W/kg

**SAR(1 g) = 7.23 W/kg; SAR(10 g) = 3.17 W/kg**

Maximum value of SAR (measured) = 10.3 W/kg



Test Laboratory: HUAWEI SAR/HAC Lab

## H1511 LTE Band II 20M QPSK 1RB#0 18700CH Left hand touch cheek-Main Antenna

**DUT: H1511; 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;  $\sigma = 1.367$  S/m;  $\epsilon_r = 39.359$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Left Section

DASY Configuration:

- Probe: EX3DV4 - SN7350; ConvF(8.12, 8.12, 8.12); Calibrated: 2015-1-8;
- Sensor-Surface: 3mm (Mechanical Surface Detection),  $z = 1.0, 31.0$
- Electronics: DAE4 Sn852; Calibrated: 2015-4-27
- Phantom: SAM1; Type: SAM; Serial: TP-1475
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

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

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

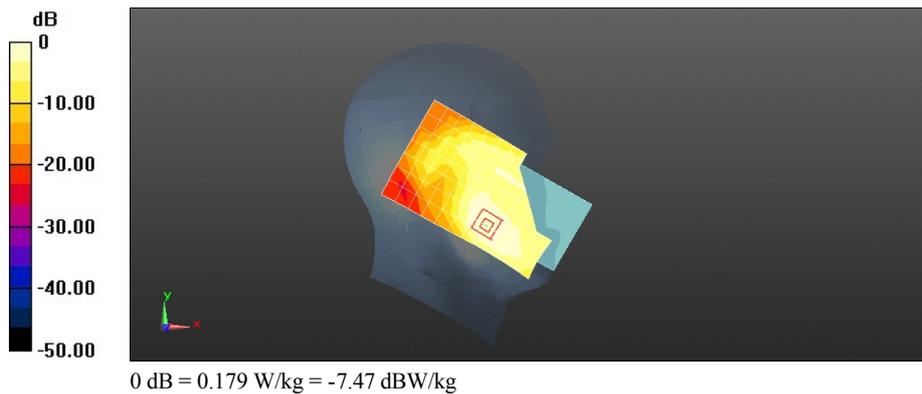
**Configuration/Head/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 5.109 V/m; Power Drift = 0.11 dB

Peak SAR (extrapolated) = 0.257 W/kg

**SAR(1 g) = 0.171 W/kg; SAR(10 g) = 0.106 W/kg**

Maximum value of SAR (measured) = 0.202 W/kg



Test Laboratory: HUAWEI SAR/HAC Lab

**H1511 LTE Band II 20M QPSK 1RB#0 18700CH Back Side with 15mm-Main antenna**

**DUT: H1511; Type: Smart Phone; Serial: SAR2**

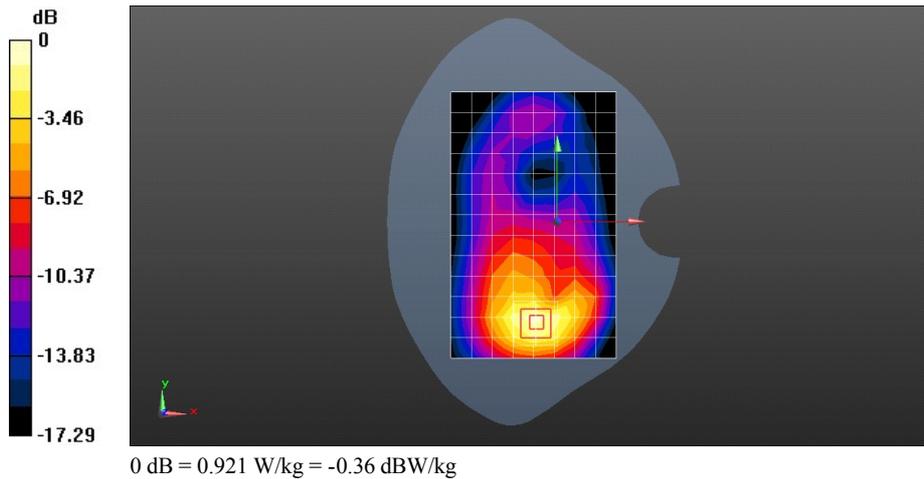
Communication System: UID 0, LTE-FDD (SC-FDMA, 20MHz, QPSK/16-QAM) (0); Frequency: 1860 MHz; Duty Cycle: 1:1  
 Medium parameters used:  $f = 1860$  MHz;  $\sigma = 1.481$  S/m;  $\epsilon_r = 52.333$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
 Phantom section: Flat Section

DASY Configuration:

- Probe: ES3DV3 - SN3168; ConvF(4.72, 4.72, 4.72); Calibrated: 2014-9-24;
- Sensor-Surface: 3mm (Mechanical Surface Detection),  $z = 2.0, 32.0$
- Electronics: DAE4 Sn1236; Calibrated: 2014-11-13
- Phantom: SAM4; Type: SAM; Serial: TP-1620
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

**Configuration/Head/Area Scan (9x14x1):** Measurement grid:  $dx=15$ mm,  $dy=15$ mm  
 Maximum value of SAR (measured) = 0.827 W/kg

**Configuration/Head/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm  
 Reference Value = 7.847 V/m; Power Drift = -0.03 dB  
 Peak SAR (extrapolated) = 1.19 W/kg  
**SAR(1 g) = 0.767 W/kg; SAR(10 g) = 0.458 W/kg**  
 Maximum value of SAR (measured) = 0.921 W/kg



Test Laboratory: HUAWEI SAR/HAC Lab

**H1511 LTE Band II 20M QPSK 1RB#0 18700CH Bottom Side with 10mm-repeated-Main Antenna**

**DUT: H1511; Type: Smart Phone; Serial: SAR2**

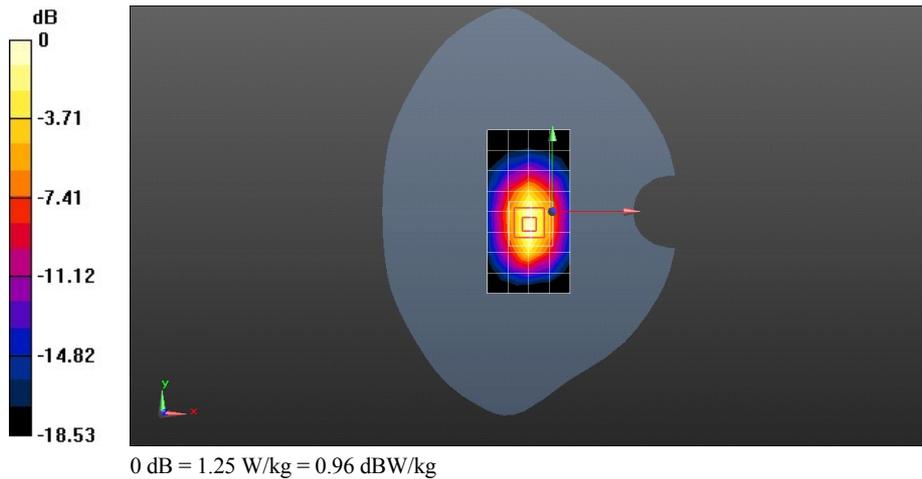
Communication System: UID 0, LTE-FDD (SC-FDMA, 20MHz, QPSK/16-QAM) (0); Frequency: 1860 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 1860$  MHz;  $\sigma = 1.512$  S/m;  $\epsilon_r = 51.57$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Flat Section

DASY Configuration:

- Probe: ES3DV3 - SN3168; ConvF(4.72, 4.72, 4.72); Calibrated: 2014-9-24;
- Sensor-Surface: 3mm (Mechanical Surface Detection),  $z = 2.0, 32.0$
- Electronics: DAE4 Sn1236; Calibrated: 2014-11-13
- Phantom: SAM3; Type: SAM; Serial: TP-1597
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

**Configuration/Head/Area Scan (5x9x1):** Measurement grid:  $dx=15$ mm,  $dy=15$ mm  
Maximum value of SAR (measured) = 1.18 W/kg

**Configuration/Head/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm  
Reference Value = 26.09 V/m; Power Drift = -0.06 dB  
Peak SAR (extrapolated) = 1.70 W/kg  
**SAR(1 g) = 1 W/kg; SAR(10 g) = 0.538 W/kg**  
Maximum value of SAR (measured) = 1.25 W/kg



Test Laboratory: HUAWEI SAR/HAC Lab

### H1511 LTE Band II 20M QPSK 1RB#0 18700CH Bottom Side with 0mm -Main antenna

**DUT: H1511; 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;  $\sigma = 1.528$  S/m;  $\epsilon_r = 51.783$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY Configuration:

- Probe: ES3DV3 - SN3168; ConvF(4.72, 4.72, 4.72); Calibrated: 2014-9-24;
- Sensor-Surface: 3mm (Mechanical Surface Detection),  $z = 2.0, 32.0$
- Electronics: DAE4 Sn1236; Calibrated: 2014-11-13
- Phantom: SAM3; Type: SAM; Serial: TP-1597
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

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

Maximum value of SAR (measured) = 2.10 W/kg

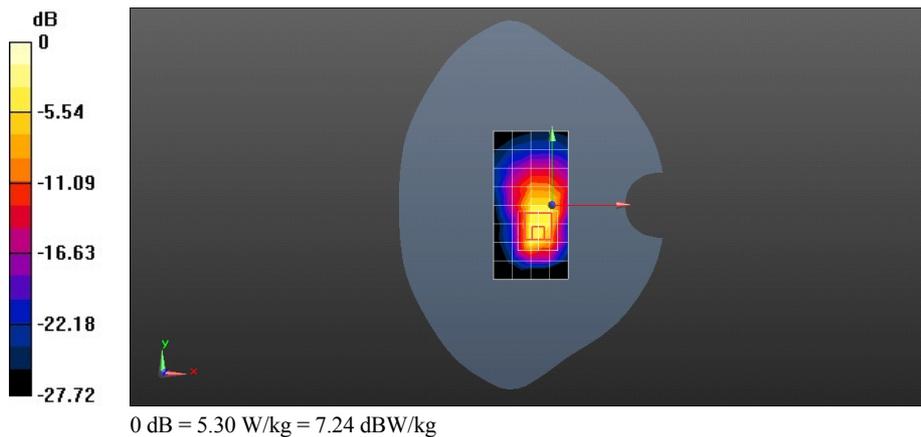
**Configuration/Body/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 30.58 V/m; Power Drift = 0.05 dB

Peak SAR (extrapolated) = 9.24 W/kg

**SAR(1 g) = 3.37 W/kg; SAR(10 g) = 1.36 W/kg**

Maximum value of SAR (measured) = 5.30 W/kg



Test Laboratory: HUAWEI SAR/HAC Lab

## H1511 LTE Band IV 20M QPSK 1RB#0 20175CH Left hand touch cheek-Main antenna

**DUT: H1511; 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 (interpolated):  $f = 1732.5$  MHz;  $\sigma = 1.335$  S/m;  $\epsilon_r = 39.157$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Left Section

DASY Configuration:

- Probe: ES3DV3 - SN3168; ConvF(5.25, 5.25, 5.25); Calibrated: 2014-9-24;
- Sensor-Surface: 3mm (Mechanical Surface Detection),  $z = 2.0, 32.0$
- Electronics: DAE4 Sn1236; Calibrated: 2014-11-13
- Phantom: SAM4; Type: SAM; Serial: TP-1620
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

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

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

Maximum value of SAR (measured) = 0.107 W/kg

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

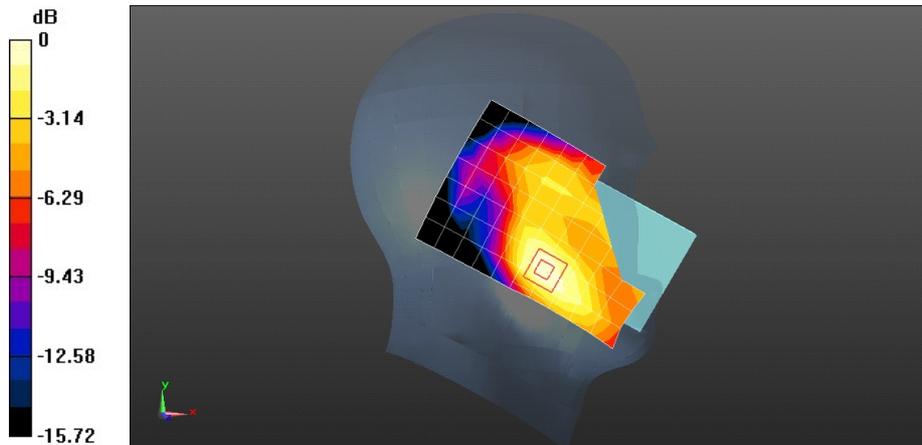
Reference Value = 3.697 V/m; Power Drift = 0.09 dB

Peak SAR (extrapolated) = 0.158 W/kg

**SAR(1 g) = 0.105 W/kg; SAR(10 g) = 0.068 W/kg**

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

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



Test Laboratory: HUAWEI SAR/HAC Lab

## H1511 LTE Band IV 20M QPSK 1RB#0 20175CH Back Side 15mm-Main antenna

**DUT: H1511; 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 (interpolated):  $f = 1732.5$  MHz;  $\sigma = 1.514$  S/m;  $\epsilon_r = 51.038$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY Configuration:

- Probe: ES3DV3 - SN3168; ConvF(4.93, 4.93, 4.93); Calibrated: 2014-9-24;
- Sensor-Surface: 3mm (Mechanical Surface Detection),  $z = 2.0, 32.0$
- Electronics: DAE4 Sn1236; Calibrated: 2014-11-13
- Phantom: SAM4; Type: SAM; Serial: TP-1620
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

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

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

Maximum value of SAR (measured) = 0.548 W/kg

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

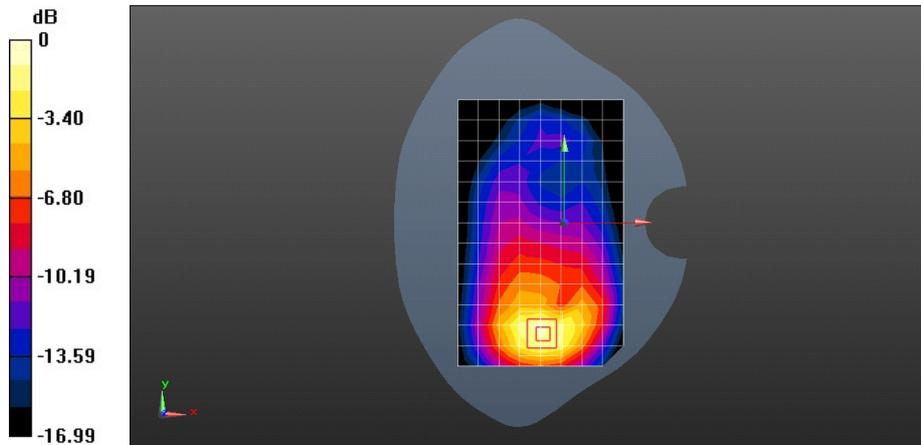
Reference Value = 5.741 V/m; Power Drift = 0.10 dB

Peak SAR (extrapolated) = 0.812 W/kg

**SAR(1 g) = 0.517 W/kg; SAR(10 g) = 0.304 W/kg**

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

Maximum value of SAR (measured) = 0.616 W/kg



0 dB = 0.616 W/kg = -2.10 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

### H1511 LTE Band IV 20M QPSK 1RB#0 20300CH Bottom Side with 10mm-Main antenna

**DUT: H1511; Type: Smart Phone; Serial: SAR2**

Communication System: UID 0, LTE-FDD (SC-FDMA, 20MHz, QPSK/16-QAM) (0); Frequency: 1745 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 1745$  MHz;  $\sigma = 1.438$  S/m;  $\epsilon_r = 51.385$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY Configuration:

- Probe: ES3DV3 - SN3168; ConvF(4.93, 4.93, 4.93); Calibrated: 2014-9-24;
- Sensor-Surface: 3mm (Mechanical Surface Detection),  $z = 2.0, 32.0$
- Electronics: DAE4 Sn1236; Calibrated: 2014-11-13
- Phantom: SAM3; Type: SAM; Serial: TP-1597
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

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

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

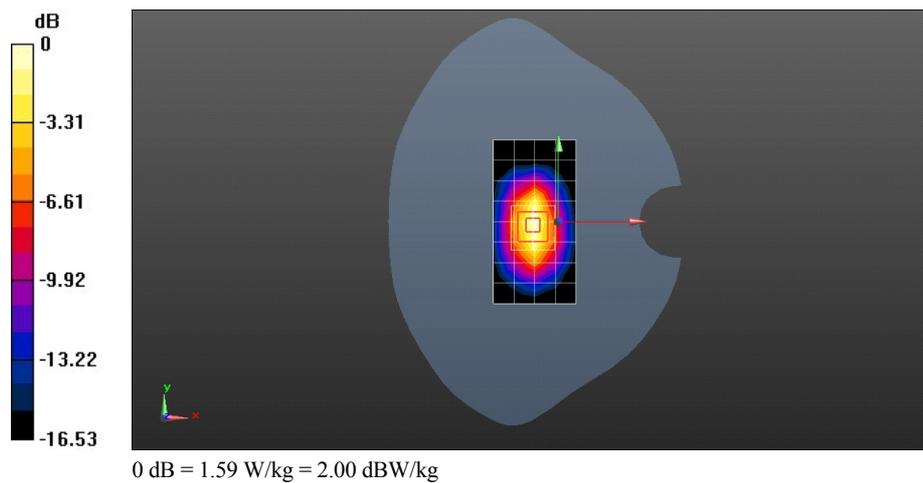
**Configuration/Body/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 32.20 V/m; Power Drift = 0.06 dB

Peak SAR (extrapolated) = 2.14 W/kg

**SAR(1 g) = 1.29 W/kg; SAR(10 g) = 0.709 W/kg**

Maximum value of SAR (measured) = 1.59 W/kg



Test Laboratory: HUAWEI SAR/HAC Lab

### H1511 LTE Band IV 20M QPSK 1RB#0 20175CH Front Side with 0mm-Main antenna

**DUT: H1511; 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 (interpolated):  $f = 1732.5$  MHz;  $\sigma = 1.514$  S/m;  $\epsilon_r = 51.038$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY Configuration:

- Probe: ES3DV3 - SN3168; ConvF(4.93, 4.93, 4.93); Calibrated: 2014-9-24;
- Sensor-Surface: 3mm (Mechanical Surface Detection),  $z = 2.0, 32.0$
- Electronics: DAE4 Sn1236; Calibrated: 2014-11-13
- Phantom: SAM4; Type: SAM; Serial: TP-1620
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

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

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

Maximum value of SAR (measured) = 5.10 W/kg

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

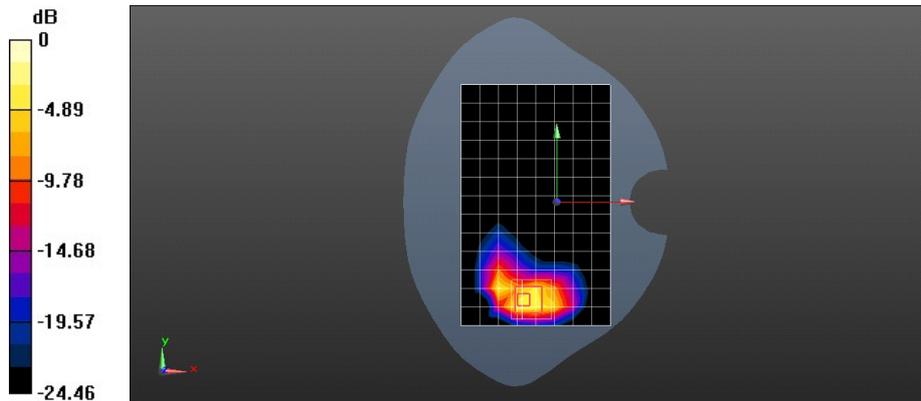
Reference Value = 1.209 V/m; Power Drift = 0.15 dB

Peak SAR (extrapolated) = 15.8 W/kg

**SAR(1 g) = 7.48 W/kg; SAR(10 g) = 3.35 W/kg**

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

Maximum value of SAR (measured) = 10.9 W/kg



0 dB = 10.9 W/kg = 10.37 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

## H1511 LTE Band V 10M QPSK 1RB#0 20600CH Right hand touch cheek-Main Antenna

**DUT: H1511; Type: Smart Phone; Serial: SAR2**

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

Medium parameters used:  $f = 844$  MHz;  $\sigma = 0.896$  S/m;  $\epsilon_r = 41.648$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Right Section

DASY Configuration:

- Probe: EX3DV4 - SN7350; ConvF(9.92, 9.92, 9.92); Calibrated: 2015-1-8;
- Sensor-Surface: 3mm (Mechanical Surface Detection),  $z = 1.0, 31.0$
- Electronics: DAE4 Sn852; Calibrated: 2015-4-27
- Phantom: SAM2; Type: SAM; Serial: TP:1474
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

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

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

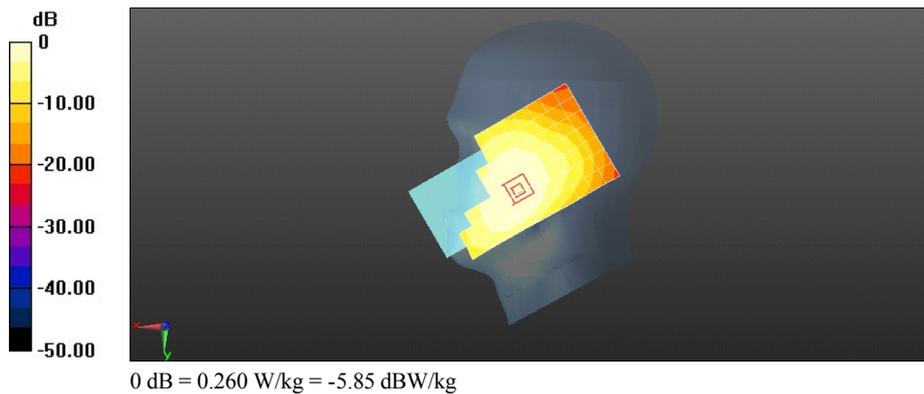
**Configuration/Head/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 6.686 V/m; Power Drift = 0.19 dB

Peak SAR (extrapolated) = 0.296 W/kg

**SAR(1 g) = 0.247 W/kg; SAR(10 g) = 0.193 W/kg**

Maximum value of SAR (measured) = 0.266 W/kg



Test Laboratory: HUAWEI SAR/HAC Lab

### H1511 LTE Band V 10M QPSK 1RB#0 20600CH Front Side 15mm-Main antenna

**DUT: H1511; Type: Smart Phone; Serial: SAR2**

Communication System: UID 0, LTE-FDD (SC-FDMA, 10MHz, QPSK/16-QAM) (0); Frequency: 844 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 844$  MHz;  $\sigma = 0.976$  S/m;  $\epsilon_r = 54.923$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY Configuration:

- Probe: ES3DV3 - SN3168; ConvF(6.12, 6.12, 6.12); Calibrated: 2014-9-24;
- Sensor-Surface: 3mm (Mechanical Surface Detection),  $z = 2.0, 32.0$
- Electronics: DAE4 Sn1236; Calibrated: 2014-11-13
- Phantom: SAM3; Type: SAM; Serial: TP-1597
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

**Configuration/Body/Area Scan (9x9x1):** Measurement grid:  $dx=15$ mm,  $dy=15$ mm

Maximum value of SAR (measured) = 0.250 W/kg

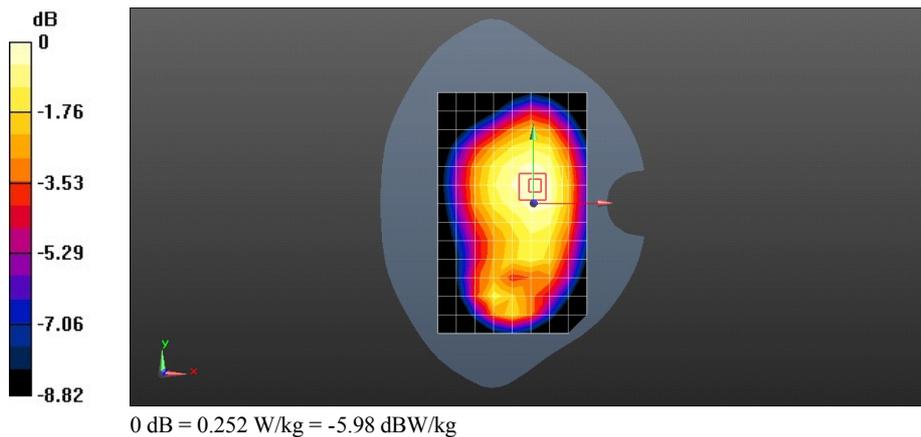
**Configuration/Body/Zoom Scan (6x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 15.27 V/m; Power Drift = -0.09 dB

Peak SAR (extrapolated) = 0.291 W/kg

**SAR(1 g) = 0.230 W/kg; SAR(10 g) = 0.176 W/kg**

Maximum value of SAR (measured) = 0.252 W/kg



Test Laboratory: HUAWEI SAR/HAC Lab

### H1511 LTE Band V 10M QPSK 1RB#49 20600CH Back Side 10mm-Main antenna

**DUT: H1511; Type: Smart Phone; Serial: SAR2**

Communication System: UID 0, LTE-FDD (SC-FDMA, 10MHz, QPSK/16-QAM) (0); Frequency: 844 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 844$  MHz;  $\sigma = 0.986$  S/m;  $\epsilon_r = 53.109$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY Configuration:

- Probe: ES3DV3 - SN3168; ConvF(6.12, 6.12, 6.12); Calibrated: 2014-9-24;
- Sensor-Surface: 3mm (Mechanical Surface Detection),  $z = 2.0, 32.0$
- Electronics: DAE4 Sn1236; Calibrated: 2014-11-13
- Phantom: SAM4; Type: SAM; Serial: TP-1620
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

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

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

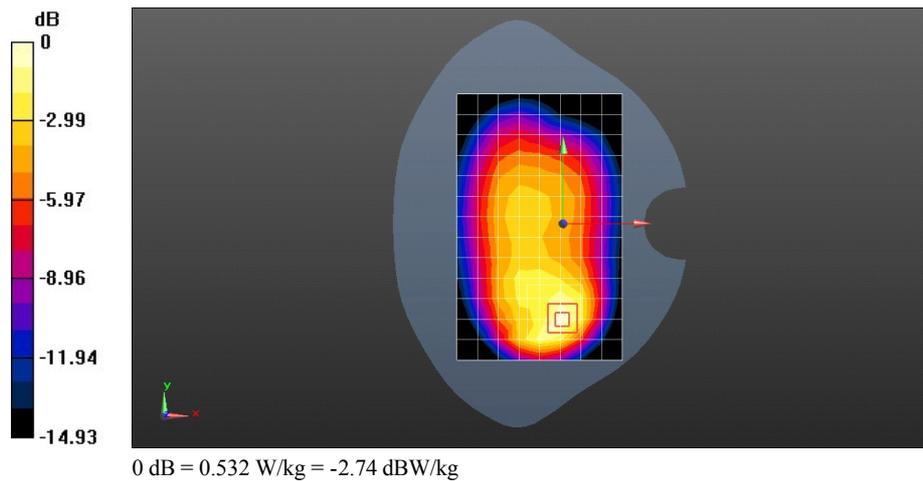
**Configuration/Body/Zoom Scan (6x6x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 14.93 V/m; Power Drift = 0.06 dB

Peak SAR (extrapolated) = 0.786 W/kg

**SAR(1 g) = 0.431 W/kg; SAR(10 g) = 0.243 W/kg**

Maximum value of SAR (measured) = 0.532 W/kg



Test Laboratory: HUAWEI SAR/HAC Lab

## H1511 LTE Band VII 20M QPSK 1RB#50 20850CH Left hand touch cheek-Main Antenna

**DUT: H1511; Type: Smart Phone; Serial: SAR2**

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

Medium parameters used:  $f = 2510$  MHz;  $\sigma = 1.873$  S/m;  $\epsilon_r = 38.179$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Left Section

DASY Configuration:

- Probe: EX3DV4 - SN7350; ConvF(7.1, 7.1, 7.1); Calibrated: 2015-1-8;
- Sensor-Surface: 3mm (Mechanical Surface Detection),  $z = 1.0, 31.0$
- Electronics: DAE4 Sn852; Calibrated: 2015-4-27
- Phantom: SAM1; Type: SAM; Serial: TP-1475
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

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

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

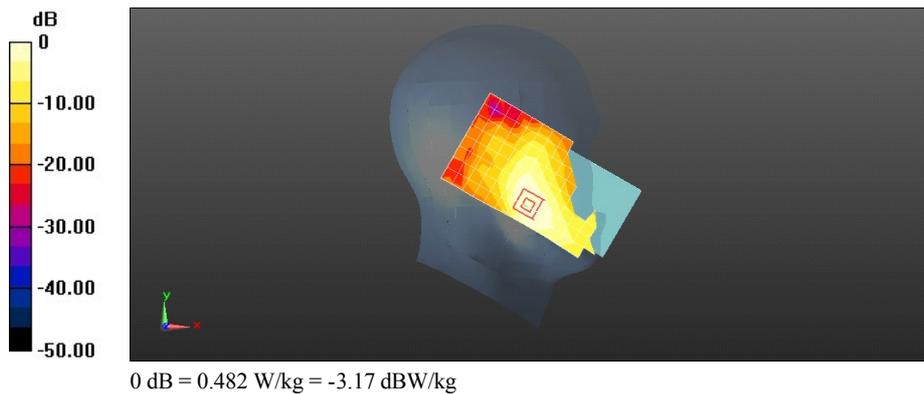
**Configuration/Head/Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

Reference Value = 3.324 V/m; Power Drift = -0.15 dB

Peak SAR (extrapolated) = 0.712 W/kg

**SAR(1 g) = 0.426 W/kg; SAR(10 g) = 0.242 W/kg**

Maximum value of SAR (measured) = 0.516 W/kg



Test Laboratory: HUAWEI SAR/HAC Lab

### H1511 LTE Band VII 20M QPSK 1RB#50 21350CH Front Side with 15mm-Main antenna

**DUT: H1511; Type: Smart Phone; Serial: SAR2**

Communication System: UID 0, LTE-FDD (SC-FDMA, 20MHz, QPSK/16-QAM) (0); Frequency: 2560 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 2560$  MHz;  $\sigma = 2.165$  S/m;  $\epsilon_r = 51.283$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY Configuration:

- Probe: ES3DV3 - SN3168; ConvF(4.14, 4.14, 4.14); Calibrated: 2014-9-24;
- Sensor-Surface: 3mm (Mechanical Surface Detection),  $z = 2.0, 32.0$
- Electronics: DAE4 Sn1236; Calibrated: 2014-11-13
- Phantom: SAM3; Type: SAM; Serial: TP-1597
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

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

Maximum value of SAR (measured) = 0.499 W/kg

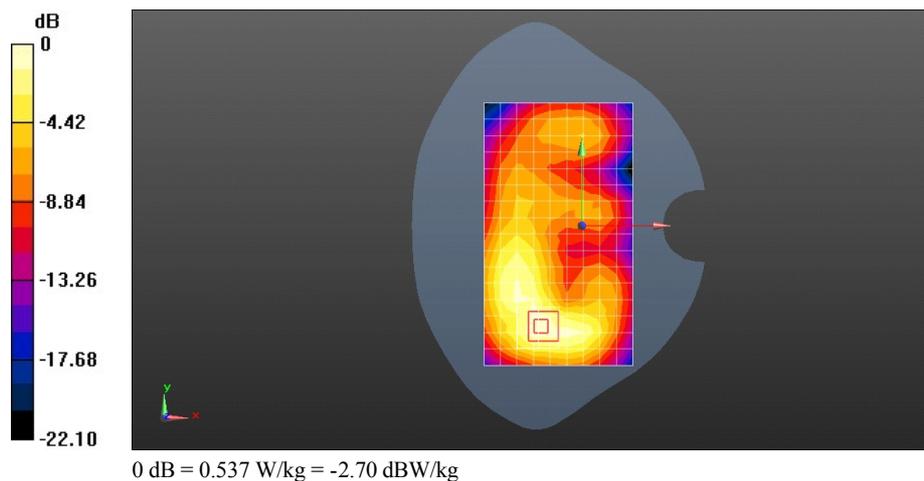
**Configuration/Head/Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

Reference Value = 5.736 V/m; Power Drift = 0.15 dB

Peak SAR (extrapolated) = 0.874 W/kg

**SAR(1 g) = 0.423 W/kg; SAR(10 g) = 0.220 W/kg**

Maximum value of SAR (measured) = 0.537 W/kg



Test Laboratory: HUAWEI SAR/HAC Lab

### H1511 LTE Band VII 20M QPSK 1RB#50 20850CH Bottom side 10mm-Main Antenna

**DUT: H1511; Type: Smart Phone; Serial: SAR1**

Communication System: UID 0, LTE-FDD (SC-FDMA, 20MHz, QPSK/16-QAM) (0); Frequency: 2510 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 2510$  MHz;  $\sigma = 2.116$  S/m;  $\epsilon_r = 50.831$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN7350; ConvF(7.15, 7.15, 7.15); Calibrated: 2015-1-8;
- Sensor-Surface: 3mm (Mechanical Surface Detection),  $z = 1.0, 31.0$
- Electronics: DAE4 Sn852; Calibrated: 2015-4-27
- Phantom: SAM2; Type: SAM; Serial: TP:1474
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

**Configuration/Body/Area Scan (7x12x1):** Measurement grid:  $dx=12$ mm,  $dy=12$ mm

Maximum value of SAR (measured) = 1.31 W/kg

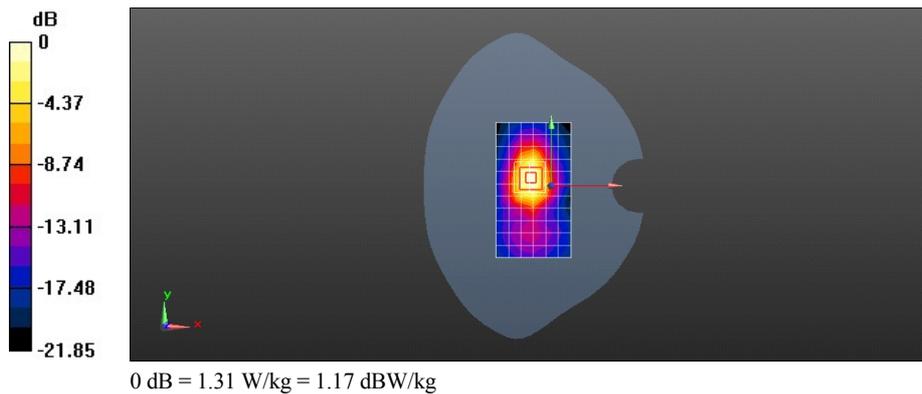
**Configuration/Body/Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

Reference Value = 22.14 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 2.22 W/kg

**SAR(1 g) = 1.16 W/kg; SAR(10 g) = 0.547 W/kg**

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



Test Laboratory: HUAWEI SAR/HAC Lab

### H1511 LTE Band VII 20M QPSK 1RB#50 21350CH Back Side with 0mm-Main antenna

**DUT: H1511; Type: Smart Phone; Serial: SAR2**

Communication System: UID 0, LTE-FDD (SC-FDMA, 20MHz, QPSK/16-QAM) (0); Frequency: 2560 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 2560$  MHz;  $\sigma = 2.158$  S/m;  $\epsilon_r = 51.11$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY Configuration:

- Probe: ES3DV3 - SN3168; ConvF(4.14, 4.14, 4.14); Calibrated: 2014-9-24;
- Sensor-Surface: 3mm (Mechanical Surface Detection),  $z = 2.0, 32.0$
- Electronics: DAE4 Sn1236; Calibrated: 2014-11-13
- Phantom: SAM4; Type: SAM; Serial: TP-1620
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

**Configuration/Body/Area Scan (9x17x1):** Measurement grid:  $dx=12$ mm,  $dy=12$ mm

Maximum value of SAR (measured) = 8.75 W/kg

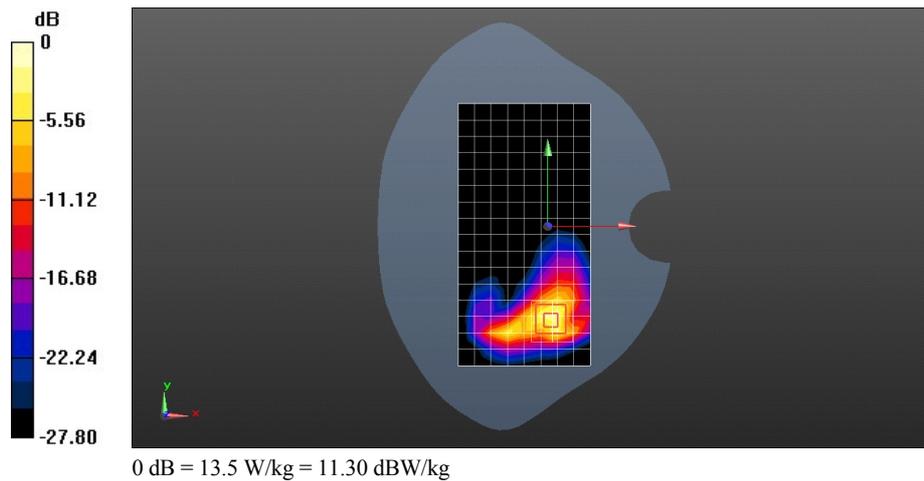
**Configuration/Body/Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

Reference Value = 1.461 V/m; Power Drift = 0.12 dB

Peak SAR (extrapolated) = 27.6 W/kg

**SAR(1 g) = 9.29 W/kg; SAR(10 g) = 3.1 W/kg**

Maximum value of SAR (measured) = 13.5 W/kg



Test Laboratory: HUAWEI SAR/HAC Lab

## H1511 LTE Band XVII 10M QPSK 1RB#49 23790CH Right hand touch cheek-Main Antenna

**DUT: H1511; Type: Smart Phone; Serial: SAR2**

Communication System: UID 0, LTE-FDD (SC-FDMA, 10MHz, QPSK/16-QAM) (0); Frequency: 710 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 710$  MHz;  $\sigma = 0.857$  S/m;  $\epsilon_r = 43.508$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Right Section

DASY Configuration:

- Probe: EX3DV4 - SN7350; ConvF(10.2, 10.2, 10.2); Calibrated: 2015-1-8;
- Sensor-Surface: 3mm (Mechanical Surface Detection),  $z = 1.0, 31.0$
- Electronics: DAE4 Sn852; Calibrated: 2015-4-27
- Phantom: SAM1; Type: SAM; Serial: TP-1475
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

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

Maximum value of SAR (measured) = 0.147 W/kg

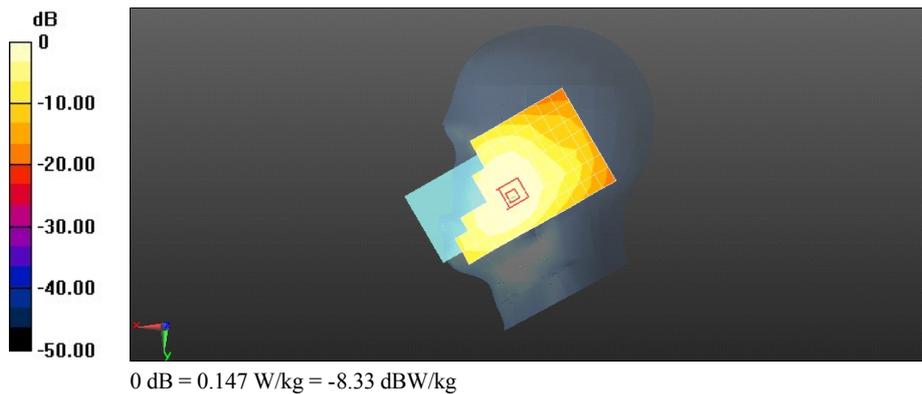
**Configuration/Head/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 4.227 V/m; Power Drift = -0.06 dB

Peak SAR (extrapolated) = 0.165 W/kg

**SAR(1 g) = 0.141 W/kg; SAR(10 g) = 0.112 W/kg**

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



Test Laboratory: HUAWEI SAR/HAC Lab

### H1511 LTE Band XVII QPSK 10M 1RB#25 23800CH Back Side with 15mm-Main Antenna

**DUT: H1511; Type: Smart Phone; Serial: SAR2**

Communication System: UID 0, LTE-FDD (SC-FDMA, 10MHz, QPSK/16-QAM) (0); Frequency: 711 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 711$  MHz;  $\sigma = 0.933$  S/m;  $\epsilon_r = 55.733$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY Configuration:

- Probe: ES3DV3 - SN3168; ConvF(6.21, 6.21, 6.21); Calibrated: 2014-9-24;
- Sensor-Surface: 3mm (Mechanical Surface Detection),  $z = 2.0, 32.0$
- Electronics: DAE4 Sn1236; Calibrated: 2014-11-13
- Phantom: SAM4; Type: SAM; Serial: TP-1620
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

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

Maximum value of SAR (measured) = 0.192 W/kg

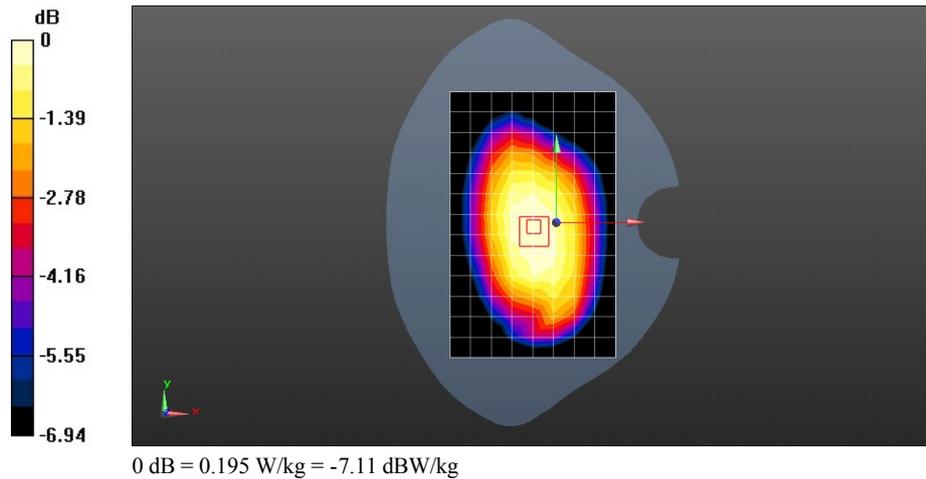
**Configuration/Body/Zoom Scan (5x6x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 14.29 V/m; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 0.219 W/kg

**SAR(1 g) = 0.179 W/kg; SAR(10 g) = 0.141 W/kg**

Maximum value of SAR (measured) = 0.195 W/kg



Test Laboratory: HUAWEI SAR/HAC Lab

### H1511 LTE Band XVII 10M QPSK 1RB#49 23790CH Right side 10mm-Main Antenna

**DUT: H1511; Type: Smart Phone; Serial: SAR2**

Communication System: UID 0, LTE-FDD (SC-FDMA, 10MHz, QPSK/16-QAM) (0); Frequency: 710 MHz; Duty Cycle: 1:1  
 Medium parameters used:  $f = 710$  MHz;  $\sigma = 0.931$  S/m;  $\epsilon_r = 55.077$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN7350; ConvF(9.67, 9.67, 9.67); Calibrated: 2015-1-8;
- Sensor-Surface: 3mm (Mechanical Surface Detection),  $z = 1.0, 31.0$
- Electronics: DAE4 Sn852; Calibrated: 2015-4-27
- Phantom: SAM2; Type: SAM; Serial: TP:1474
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

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

Maximum value of SAR (measured) = 0.237 W/kg

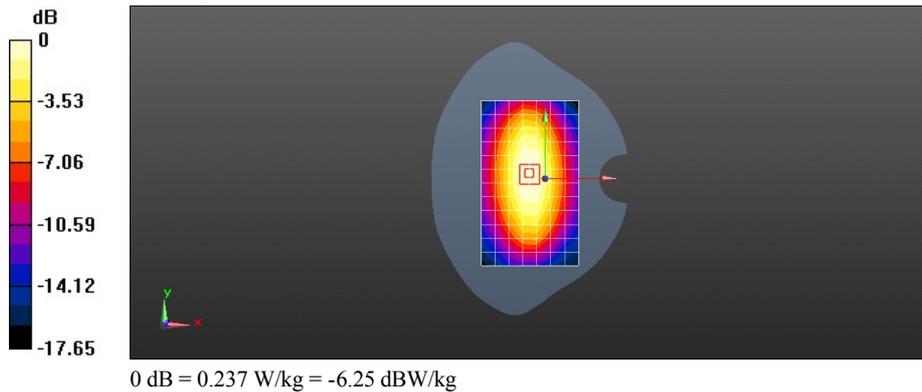
**Configuration/Body/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 16.13 V/m; Power Drift = -0.16 dB

Peak SAR (extrapolated) = 0.298 W/kg

**SAR(1 g) = 0.225 W/kg; SAR(10 g) = 0.160 W/kg**

Maximum value of SAR (measured) = 0.254 W/kg



Test Laboratory: HUAWEI SAR/HAC Lab

## H1511 LTE Band XLI 20M QPSK 1RB#0 39750CH Left hand touch cheek-Main Antenna

**DUT: H1511; Type: Smart Phone; Serial: SAR2**

Communication System: UID 0, LTE-TDD (SC-FDMA, 20MHz, QPSK/16-QAM) (0); Frequency: 2506 MHz; Duty Cycle: 1:1.57906

Medium parameters used:  $f = 2506$  MHz;  $\sigma = 1.835$  S/m;  $\epsilon_r = 38.06$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Left Section

DASY Configuration:

- Probe: EX3DV4 - SN7350; ConvF(7.1, 7.1, 7.1); Calibrated: 2015-1-8;
- Sensor-Surface: 3mm (Mechanical Surface Detection),  $z = 1.0, 31.0$
- Electronics: DAE4 Sn852; Calibrated: 2015-4-27
- Phantom: SAM1; Type: SAM; Serial: TP-1475
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

**Configuration/Head/Area Scan (10x15x1):** Measurement grid:  $dx=12$ mm,  $dy=12$ mm

Maximum value of SAR (measured) = 0.290 W/kg

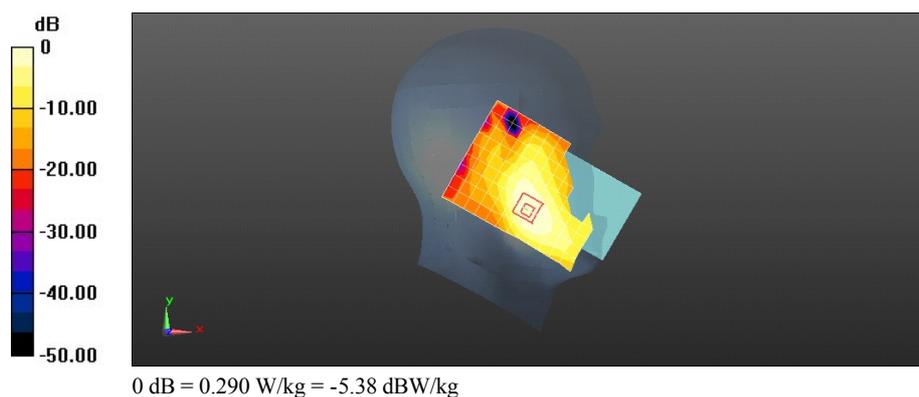
**Configuration/Head/Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

Reference Value = 2.479 V/m; Power Drift = 0.13 dB

Peak SAR (extrapolated) = 0.510 W/kg

**SAR(1 g) = 0.243 W/kg; SAR(10 g) = 0.139 W/kg**

Maximum value of SAR (measured) = 0.293 W/kg



Test Laboratory: HUAWEI SAR/HAC Lab

## H1511 LTE Band XLI 20M QPSK 1RB#50 41055CH Back Side with 15mm-Main antenna

**DUT: H1511; Type: Smart Phone; Serial: SAR2**

Communication System: UID 0, LTE-TDD (SC-FDMA, 20MHz, QPSK/16-QAM) (0); Frequency: 2636.5 MHz; Duty Cycle: 1:1.57943

Medium parameters used (interpolated):  $f = 2636.5$  MHz;  $\sigma = 2.262$  S/m;  $\epsilon_r = 51.041$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY Configuration:

- Probe: ES3DV3 - SN3168; ConvF(4.14, 4.14, 4.14); Calibrated: 2014-9-24;
- Sensor-Surface: 3mm (Mechanical Surface Detection),  $z = 2.0, 32.0$
- Electronics: DAE4 Sn1236; Calibrated: 2014-11-13
- Phantom: SAM3; Type: SAM; Serial: TP-1597
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

**Configuration/Head/Area Scan (9x17x1):** Measurement grid:  $dx=12$ mm,  $dy=12$ mm

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

Maximum value of SAR (measured) = 0.273 W/kg

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

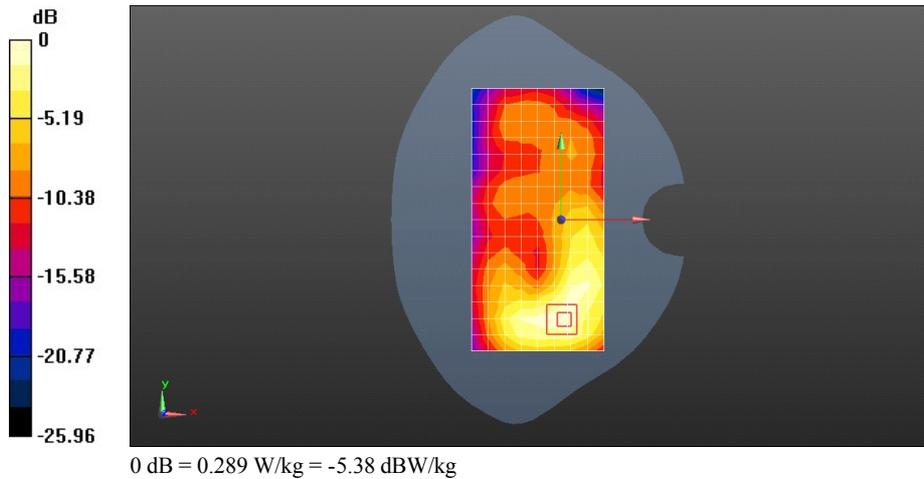
Reference Value = 3.131 V/m; Power Drift = 0.18 dB

Peak SAR (extrapolated) = 0.507 W/kg

**SAR(1 g) = 0.228 W/kg; SAR(10 g) = 0.112 W/kg**

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

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



Test Laboratory: HUAWEI SAR/HAC Lab

### H1511 LTE Band XLI 20M QPSK 1RB#0 39750CH Bottom side 10mm-Main Antenna

**DUT: H1511; Type: Smart Phone; Serial: SARI**

Communication System: UID 0, LTE-TDD (SC-FDMA, 20MHz, QPSK/16-QAM) (0); Frequency: 2506 MHz; Duty Cycle: 1:1.57906  
Medium parameters used:  $f = 2506$  MHz;  $\sigma = 2.093$  S/m;  $\epsilon_r = 50.847$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN7350; ConvF(7.15, 7.15, 7.15); Calibrated: 2015-1-8;
- Sensor-Surface: 3mm (Mechanical Surface Detection),  $z = 1.0, 31.0$
- Electronics: DAE4 Sn852; Calibrated: 2015-4-27
- Phantom: SAM1; Type: SAM; Serial: TP-1475
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

**Configuration/Body/Area Scan (7x12x1):** Measurement grid:  $dx=12$ mm,  $dy=12$ mm

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

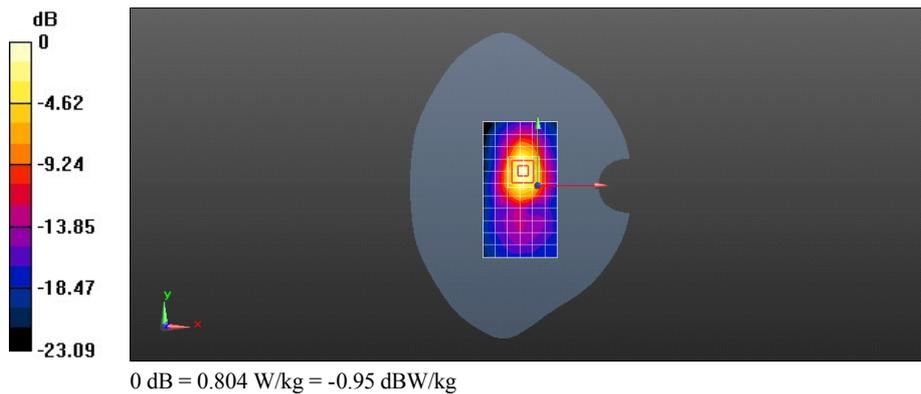
**Configuration/Body/Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

Reference Value = 14.04 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 1.24 W/kg

**SAR(1 g) = 0.648 W/kg; SAR(10 g) = 0.305 W/kg**

Maximum value of SAR (measured) = 0.846 W/kg



Test Laboratory: HUAWEI SAR/HAC Lab

## H1511 LTE Band XLI 20M QPSK 1RB#50 41055CH Bottom Side with 0mm-Main antenna

**DUT: H1511; Type: Smart Phone; Serial: SAR2**

Communication System: UID 0, LTE-TDD (SC-FDMA, 20MHz, QPSK/16-QAM) (0); Frequency: 2636.5 MHz; Duty Cycle: 1:1.57943

Medium parameters used (interpolated):  $f = 2636.5$  MHz;  $\sigma = 2.251$  S/m;  $\epsilon_r = 50.9$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY Configuration:

- Probe: ES3DV3 - SN3168; ConvF(4.14, 4.14, 4.14); Calibrated: 2014-9-24;
- Sensor-Surface: 3mm (Mechanical Surface Detection),  $z = 2.0, 32.0$
- Electronics: DAE4 Sn1236; Calibrated: 2014-11-13
- Phantom: SAM4; Type: SAM; Serial: TP-1620
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

**Configuration/Body/Area Scan (6x11x1):** Measurement grid:  $dx=12$ mm,  $dy=12$ mm

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

Maximum value of SAR (measured) = 1.76 W/kg

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

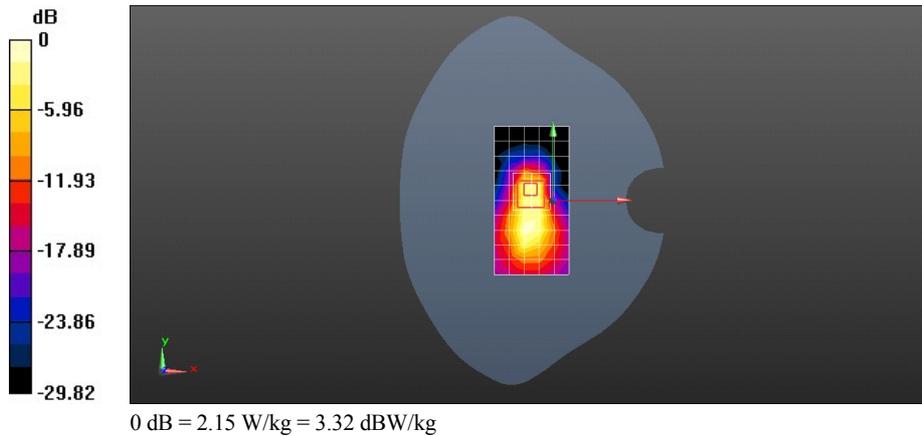
Reference Value = 23.65 V/m; Power Drift = -0.16 dB

Peak SAR (extrapolated) = 4.33 W/kg

**SAR(1 g) = 1.45 W/kg; SAR(10 g) = 0.526 W/kg**

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

Maximum value of SAR (measured) = 2.15 W/kg



Test Laboratory: HUAWEI SAR/HAC Lab

### H1511 WiFi 2.4G 802.11b 6CH Left hand touch cheek-core1

**DUT: H1511; Type: Smart Phone; Serial: SAR2**

Communication System: UID 0, WiFi(802.11a/b/g/n/ac) (0); Frequency: 2437 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 2437$  MHz;  $\sigma = 1.848$  S/m;  $\epsilon_r = 38.696$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Left Section

DASY Configuration:

- Probe: EX3DV4 - SN7350; ConvF(7.28, 7.28, 7.28); Calibrated: 2015-1-8;
- Sensor-Surface: 3mm (Mechanical Surface Detection),  $z = 1.0, 31.0$
- Electronics: DAE4 Sn852; Calibrated: 2015-4-27
- Phantom: SAM2; Type: SAM; Serial: TP:1474
- DASY52 52.8(1222); SEMCAD X 14.6.10(7331)

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

Maximum value of SAR (measured) = 0.558 W/kg

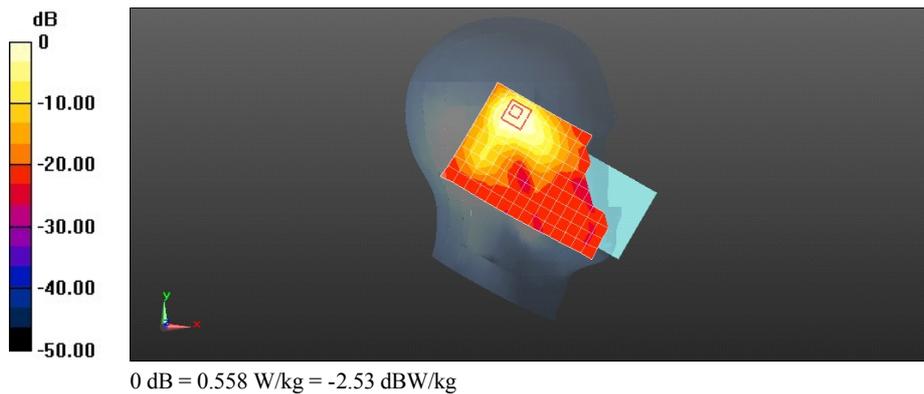
**Configuration/Head/Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

Reference Value = 4.809 V/m; Power Drift = 0.14 dB

Peak SAR (extrapolated) = 1.53 W/kg

**SAR(1 g) = 0.599 W/kg; SAR(10 g) = 0.247 W/kg**

Maximum value of SAR (measured) = 0.874 W/kg



Test Laboratory: HUAWEI SAR/HAC Lab

### H1511 WiFi 2.4G 11b 6CH Back Side with 15mm-Core0

**DUT: H1511; Type: Smart Phone; Serial: SAR2**

Communication System: UID 0, WiFi(802.11a/b/g/n/ac) (0); Frequency: 2437 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 2437$  MHz;  $\sigma = 2.026$  S/m;  $\epsilon_r = 50.59$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY Configuration:

- Probe: ES3DV3 - SN3168; ConvF(4.29, 4.29, 4.29); Calibrated: 2014-9-24;
- Sensor-Surface: 3mm (Mechanical Surface Detection),  $z = 2.0, 32.0$
- Electronics: DAE4 Sn1236; Calibrated: 2014-11-13
- Phantom: SAM4; Type: SAM; Serial: TP-1620
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

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

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

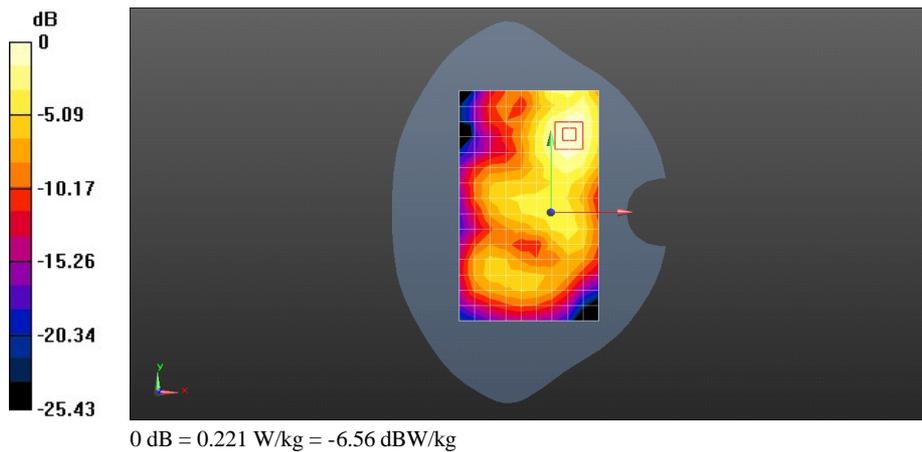
**Configuration/Body/Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

Reference Value = 5.696 V/m; Power Drift = 0.14 dB

Peak SAR (extrapolated) = 0.341 W/kg

**SAR(1 g) = 0.181 W/kg; SAR(10 g) = 0.103 W/kg**

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



Test Laboratory: HUAWEI SAR/HAC Lab

## H1511 WiFi 2.4G 11n 40M 6CH Top Side with 10mm-MIMO

**DUT: H1511; Type: Smart Phone; Serial: SAR2**

Communication System: UID 0, WiFi(802.11a/b/g/n/ac) (0); Frequency: 2437 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 2437$  MHz;  $\sigma = 1.995$  S/m;  $\epsilon_r = 51.55$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY Configuration:

- Probe: ES3DV3 - SN3168; ConvF(4.29, 4.29, 4.29); Calibrated: 2014-9-24;
- Sensor-Surface: 3mm (Mechanical Surface Detection),  $z = 2.0, 32.0$
- Electronics: DAE4 Sn1236; Calibrated: 2014-11-13
- Phantom: SAM4; Type: SAM; Serial: TP-1620
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

**Configuration/Body/Area Scan (5x11x1):** Measurement grid:  $dx=12$ mm,  $dy=12$ mm

Maximum value of SAR (measured) = 0.0958 W/kg

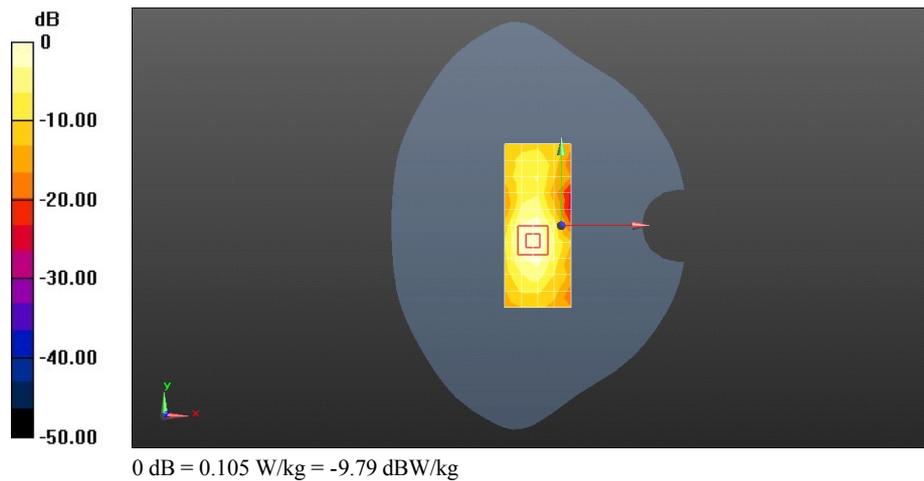
**Configuration/Body/Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

Reference Value = 5.803 V/m; Power Drift = 0.18 dB

Peak SAR (extrapolated) = 0.167 W/kg

**SAR(1 g) = 0.082 W/kg; SAR(10 g) = 0.039 W/kg**

Maximum value of SAR (measured) = 0.105 W/kg



Test Laboratory: HUAWEI SAR/HAC Lab

## H1511 WIFI 5G 802.11ac 80M 138CH Right hand touch check-MIMO

**DUT: H1511; Type: Smart Phone; Serial: SAR2**

Communication System: UID 0, WiFi(802.11a/b/g/n/ac) (0); Frequency: 5690 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 5690$  MHz;  $\sigma = 5.216$  S/m;  $\epsilon_r = 34.504$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Right Section

DASY Configuration:

- Probe: EX3DV4 - SN7350; ConvF(4.71, 4.71, 4.71); Calibrated: 2015-1-8;
- Sensor-Surface: 3mm (Mechanical Surface Detection), Sensor-Surface: 1.4mm (Mechanical Surface Detection),  $z = 1.0, 25.0$
- Electronics: DAE4 Sn852; Calibrated: 2015-4-27
- Phantom: SAM1; Type: SAM; Serial: TP-1475
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

**Configuration/Head/Area Scan (11x19x1):** Measurement grid:  $dx=10$ mm,  $dy=10$ mm

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

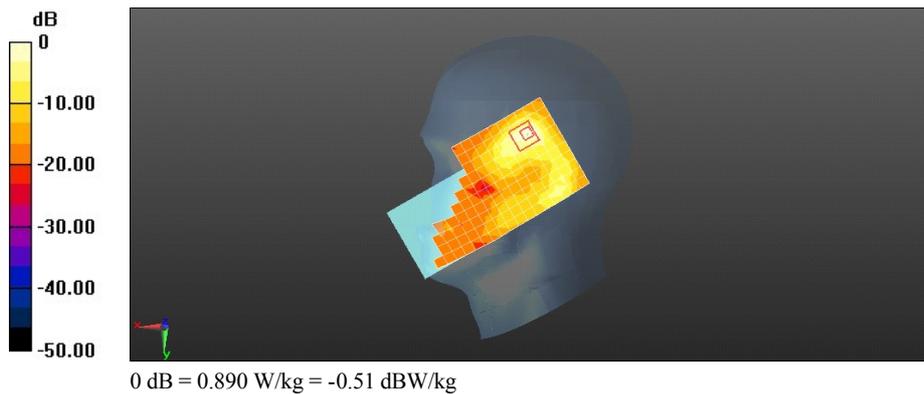
**Configuration/Head/Zoom Scan (8x8x7)/Cube 0:** Measurement grid:  $dx=4$ mm,  $dy=4$ mm,  $dz=1.4$ mm

Reference Value = 2.901 V/m; Power Drift = 0.11 dB

Peak SAR (extrapolated) = 4.05 W/kg

**SAR(1 g) = 0.800 W/kg; SAR(10 g) = 0.239 W/kg**

Maximum value of SAR (measured) = 2.22 W/kg



Test Laboratory: HUAWEI SAR/HAC Lab

**H1511 WiFi 5G 11a 128CH Front Side 15mm****DUT: H1511; Type: Smart Phone; Serial: SAR2**

Communication System: UID 0, WiFi(802.11a/b/g/n/ac) (0); Frequency: 5640 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 5640$  MHz;  $\sigma = 5.968$  S/m;  $\epsilon_r = 46.474$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3736; ConvF(3.71, 3.71, 3.71); Calibrated: 2015-4-30;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection),  $z = 1.0, 13.0$
- Electronics: DAE4 Sn1236; Calibrated: 2014-11-13
- Phantom: SAM3; Type: SAM; Serial: TP-1597
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

**Configuration/Body/Area Scan (12x19x1):** Measurement grid:  $dx=10$ mm,  $dy=10$ mm

Maximum value of SAR (measured) = 0.533 W/kg

**Configuration/Body/Zoom Scan (8x8x7)/Cube 0:** Measurement grid:  $dx=4$ mm,  $dy=4$ mm,  $dz=1.4$ mm

Reference Value = 1.589 V/m; Power Drift = 0.15 dB

Peak SAR (extrapolated) = 0.888 W/kg

**SAR(1 g) = 0.238 W/kg; SAR(10 g) = 0.091 W/kg**

Maximum value of SAR (measured) = 0.534 W/kg

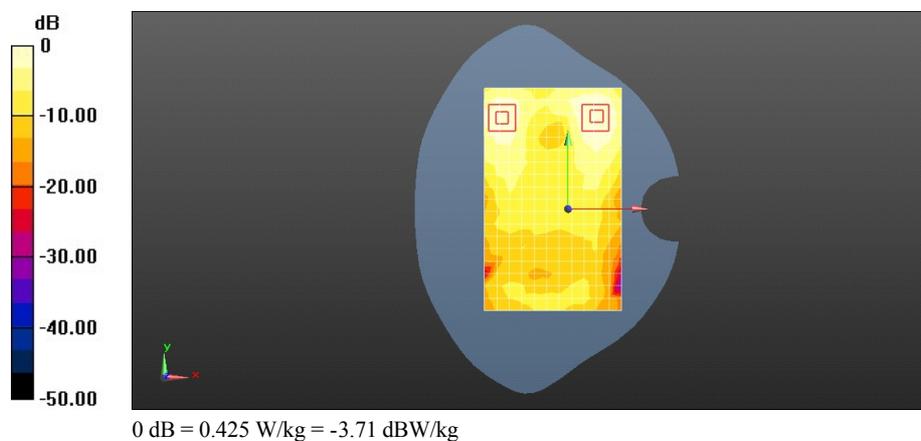
**Configuration/Body/Zoom Scan (8x8x7)/Cube 1:** Measurement grid:  $dx=4$ mm,  $dy=4$ mm,  $dz=1.4$ mm

Reference Value = 1.589 V/m; Power Drift = 0.15 dB

Peak SAR (extrapolated) = 0.718 W/kg

**SAR(1 g) = 0.187 W/kg; SAR(10 g) = 0.073 W/kg**

Maximum value of SAR (measured) = 0.425 W/kg



Test Laboratory: HUAWEI SAR/HAC Lab

**H1511 WiFi 5G 11ac 155CH Left Side 10mm**

**DUT: H1511; Type: Smart Phone; Serial: SAR2**

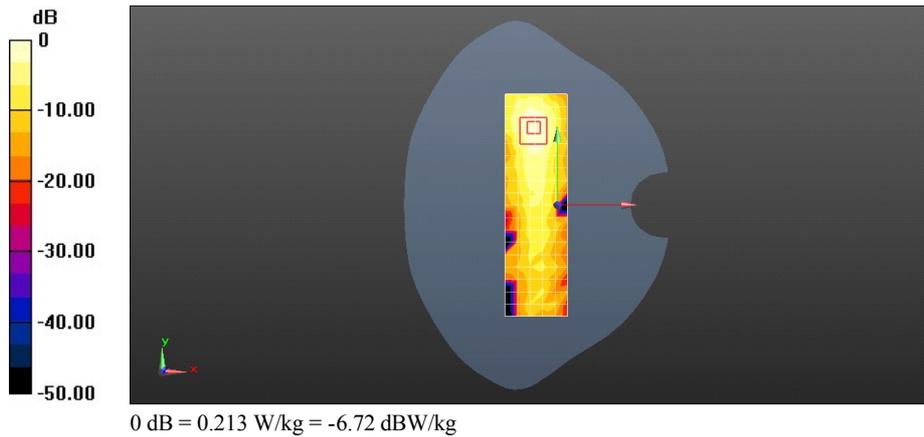
Communication System: UID 0, WiFi(802.11a/b/g/n/ac) (0); Frequency: 5775 MHz; Duty Cycle: 1:1  
 Medium parameters used:  $f = 5775 \text{ MHz}$ ;  $\sigma = 6.16 \text{ S/m}$ ;  $\epsilon_r = 47.657$ ;  $\rho = 1000 \text{ kg/m}^3$   
 Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3736; ConvF(3.86, 3.86, 3.86); Calibrated: 2015-4-30;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection),  $z = 1.0, 25.0$
- Electronics: DAE4 Sn1236; Calibrated: 2014-11-13
- Phantom: SAM3; Type: SAM; Serial: TP-1597
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

**Configuration/Body/Area Scan (6x19x1):** Measurement grid:  $dx=10\text{mm}$ ,  $dy=10\text{mm}$   
 Maximum value of SAR (measured) = 0.204 W/kg

**Configuration/Body/Zoom Scan (8x8x7)/Cube 0:** Measurement grid:  $dx=4\text{mm}$ ,  $dy=4\text{mm}$ ,  $dz=1.4\text{mm}$   
 Reference Value = 1.492 V/m; Power Drift = 0.13 dB  
 Peak SAR (extrapolated) = 0.827 W/kg  
**SAR(1 g) = 0.077 W/kg; SAR(10 g) = 0.029 W/kg**  
 Maximum value of SAR (measured) = 0.213 W/kg



Test Laboratory: HUAWEI SAR/HAC Lab

### H1511 WiFi 5G 11a 52CH Right Side 0mm-repeated

**DUT: H1511; Type: Smart Phone; Serial: SAR2**

Communication System: UID 0, WiFi(802.11a/b/g/n/ac) (0); Frequency: 5260 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 5260$  MHz;  $\sigma = 5.34$  S/m;  $\epsilon_r = 48.422$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3736; ConvF(4.08, 4.08, 4.08); Calibrated: 2015-4-30;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection),  $z = 1.0, 25.0$
- Electronics: DAE4 Sn1236; Calibrated: 2014-11-13
- Phantom: SAM3; Type: SAM; Serial: TP-1597
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

**Configuration/Body/Area Scan (8x18x1):** Measurement grid:  $dx=10$ mm,  $dy=10$ mm

Maximum value of SAR (measured) = 30.4 W/kg

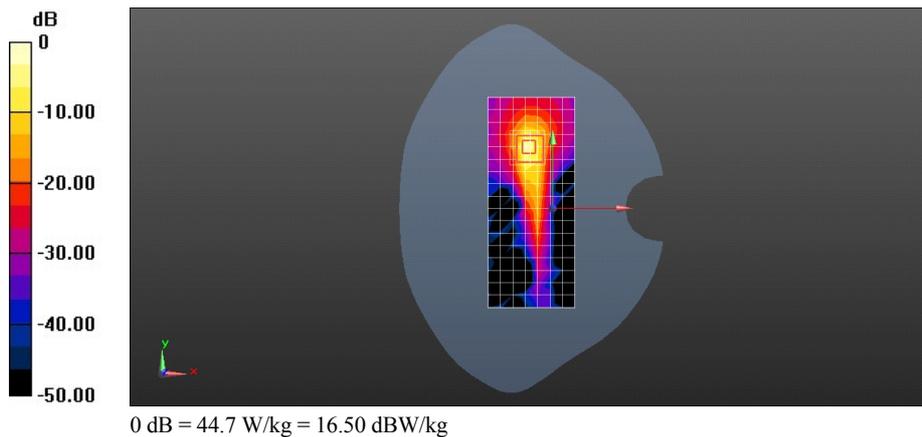
**Configuration/Body/Zoom Scan (8x8x7)/Cube 0:** Measurement grid:  $dx=4$ mm,  $dy=4$ mm,  $dz=1.4$ mm

Reference Value = 11.39 V/m; Power Drift = -0.06 dB

Peak SAR (extrapolated) = 106 W/kg

**SAR(1 g) = 14.1 W/kg; SAR(10 g) = 3.11 W/kg**

Maximum value of SAR (measured) = 44.7 W/kg



Test Laboratory: HUAWEI SAR/HAC Lab

## H1512 LTE Band XXXVIII 20M QPSK 1RB#0 37850CH Left hand touch cheek-Main Antenna

**DUT: H1512; Type: Smart Phone; Serial: SAR1**

Communication System: UID 0, LTE-TDD (SC-FDMA, 20MHz, QPSK/16-QAM) (0); Frequency: 2580 MHz; Duty Cycle: 1:1.57906

Medium parameters used:  $f = 2580$  MHz;  $\sigma = 1.997$  S/m;  $\epsilon_r = 38.345$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Left Section

DASY Configuration:

- Probe: EX3DV4 - SN7350; ConvF(7.1, 7.1, 7.1); Calibrated: 2015-1-8;
- Sensor-Surface: 3mm (Mechanical Surface Detection),  $z = 1.0, 31.0$
- Electronics: DAE4 Sn852; Calibrated: 2015-4-27
- Phantom: SAM1; Type: SAM; Serial: TP-1475
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

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

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

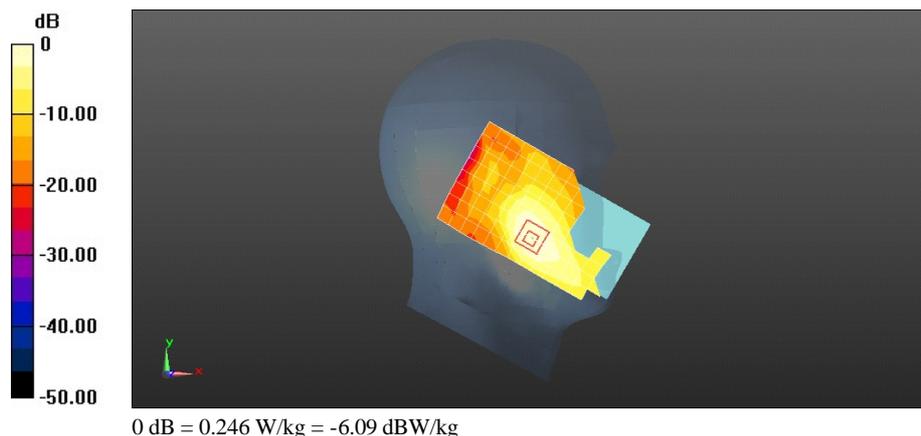
**Configuration/Head/Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

Reference Value = 1.968 V/m; Power Drift = -0.12 dB

Peak SAR (extrapolated) = 0.344 W/kg

**SAR(1 g) = 0.199 W/kg; SAR(10 g) = 0.109 W/kg**

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



Test Laboratory: HUAWEI SAR/HAC Lab

## H1512 LTE Band XXXVIII 20M QPSK 1RB#0 37850CH Front side 15mm-Main Antenna

**DUT: H1512; Type: Smart Phone; Serial: SAR1**

Communication System: UID 0, LTE-TDD (SC-FDMA, 20MHz, QPSK/16-QAM) (0); Frequency: 2580 MHz; Duty Cycle: 1:1.57906

Medium parameters used:  $f = 2580$  MHz;  $\sigma = 2.197$  S/m;  $\epsilon_r = 50.9$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN7350; ConvF(7.15, 7.15, 7.15); Calibrated: 2015-1-8;
- Sensor-Surface: 3mm (Mechanical Surface Detection),  $z = 1.0, 31.0$
- Electronics: DAE4 Sn852; Calibrated: 2015-4-27
- Phantom: SAM2; Type: SAM; Serial: TP:1474
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

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

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

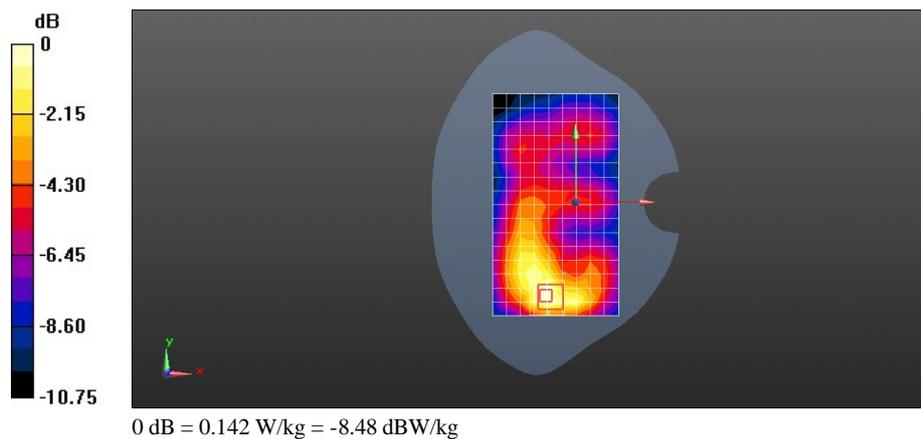
**Configuration/Body/Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

Reference Value = 4.654 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 0.240 W/kg

**SAR(1 g) = 0.120 W/kg; SAR(10 g) = 0.058 W/kg**

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



Test Laboratory: HUAWEI SAR/HAC Lab

## H1512 LTE Band XXXVIII 20M QPSK 1RB#0 37850CH Bottom side 10mm-Main Antenna

**DUT: H1512; Type: Smart Phone; Serial: SAR1**

Communication System: UID 0, LTE-TDD (SC-FDMA, 20MHz, QPSK/16-QAM) (0); Frequency: 2580 MHz; Duty Cycle: 1:1.57906

Medium parameters used:  $f = 2580$  MHz;  $\sigma = 2.197$  S/m;  $\epsilon_r = 50.9$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN7350; ConvF(7.15, 7.15, 7.15); Calibrated: 2015-1-8;
- Sensor-Surface: 3mm (Mechanical Surface Detection),  $z = 1.0, 31.0$
- Electronics: DAE4 Sn852; Calibrated: 2015-4-27
- Phantom: SAM2; Type: SAM; Serial: TP:1474
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

**Configuration/Body/Area Scan (6x17x1):** Measurement grid:  $dx=12$ mm,  $dy=12$ mm

Maximum value of SAR (measured) = 0.531 W/kg

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

Reference Value = 13.55 V/m; Power Drift = -0.13 dB

Peak SAR (extrapolated) = 0.934 W/kg

**SAR(1 g) = 0.492 W/kg; SAR(10 g) = 0.238 W/kg**

Maximum value of SAR (measured) = 0.632 W/kg

