

**Appendix B. SAR Measurement Plots**

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Test Laboratory: HUAWEI SAR/HAC Lab

H1511 GSM850 251CH Right hand touch cheek-repeated-Second Antenna

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

Communication System: UID 0, HW-GSM\GPRS\EGPRS-1TS (0); Frequency: 848.8 MHz; Duty Cycle: 1:8.30042

Medium parameters used: $f = 849$ MHz; $\sigma = 0.939$ S/m; $\epsilon_r = 42.395$; $\rho = 1000$ kg/m³

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) = 1.24 W/kg

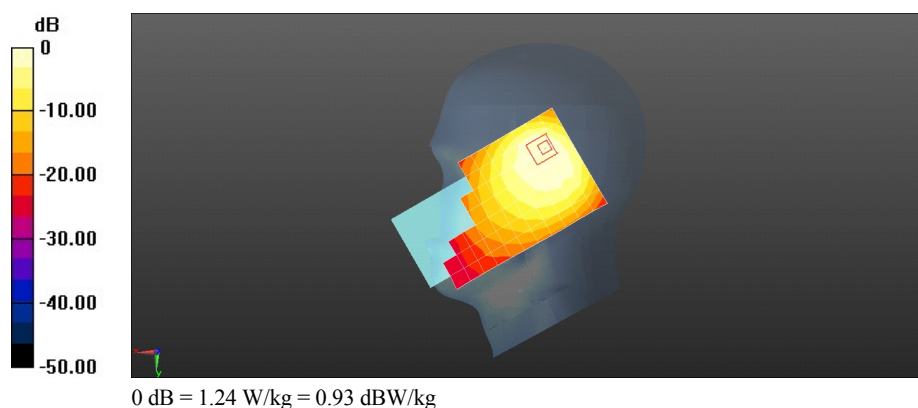
Configuration/Head/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 25.94 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 2.49 W/kg

SAR(1 g) = 1.21 W/kg; SAR(10 g) = 0.633 W/kg

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



Test Laboratory: HUAWEI SAR/HAC Lab

H1511 GSM850 190CH Back Side 15mm-Second antenna

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

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

Medium parameters used: $f = 837$ MHz; $\sigma = 0.968$ S/m; $\epsilon_r = 55.008$; $\rho = 1000$ kg/m³

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) = 0.275 W/kg

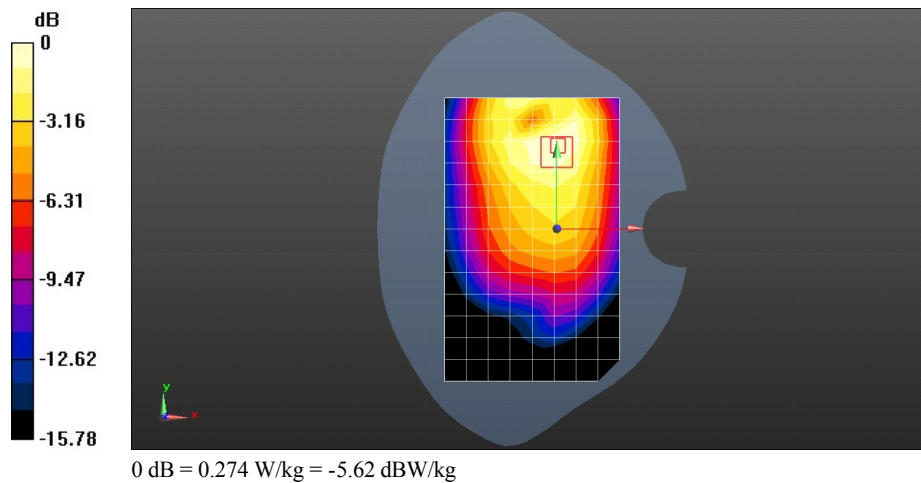
Configuration/Body/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 10.64 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 0.333 W/kg

SAR(1 g) = 0.245 W/kg; SAR(10 g) = 0.172 W/kg

Maximum value of SAR (measured) = 0.274 W/kg



Test Laboratory: HUAWEI SAR/HAC Lab

H1511 GSM850 GPRS 2TS 190CH Back Side 10mm-Second Antenna

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

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

Medium parameters used: $f = 837$ MHz; $\sigma = 0.978$ S/m; $\epsilon_r = 53.192$; $\rho = 1000$ kg/m³

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

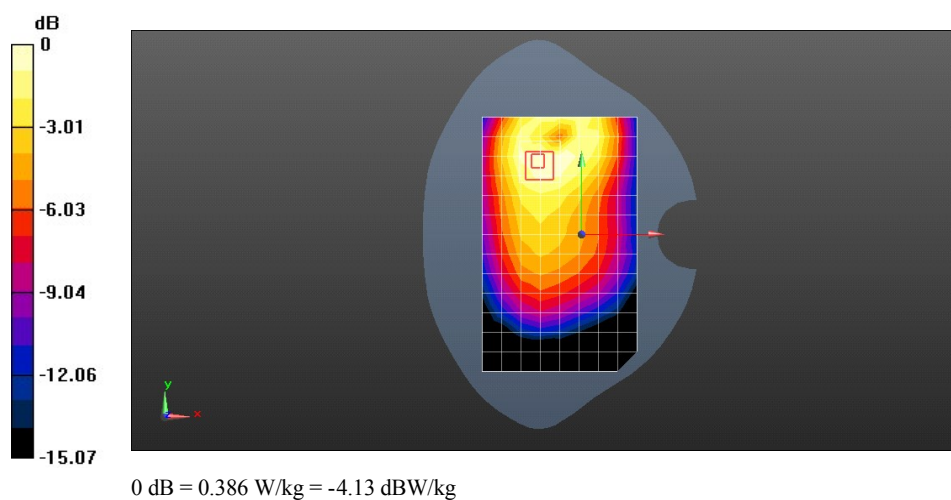
Maximum value of SAR (measured) = 0.386 W/kg

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

Reference Value = 10.12 V/m; Power Drift = -0.07 dB

Peak SAR (extrapolated) = 0.576 W/kg

SAR(1 g) = 0.342 W/kg; SAR(10 g) = 0.196 W/kg



Test Laboratory: HUAWEI SAR/HAC Lab

H1511 UMTS Band V 4233CH Right hand touch cheek-repeated-Second Antenna

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

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

Medium parameters used: $f = 847$ MHz; $\sigma = 0.898$ S/m; $\epsilon_r = 41.674$; $\rho = 1000$ kg/m³

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 (9x14x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

Maximum value of SAR (measured) = 1.49 W/kg

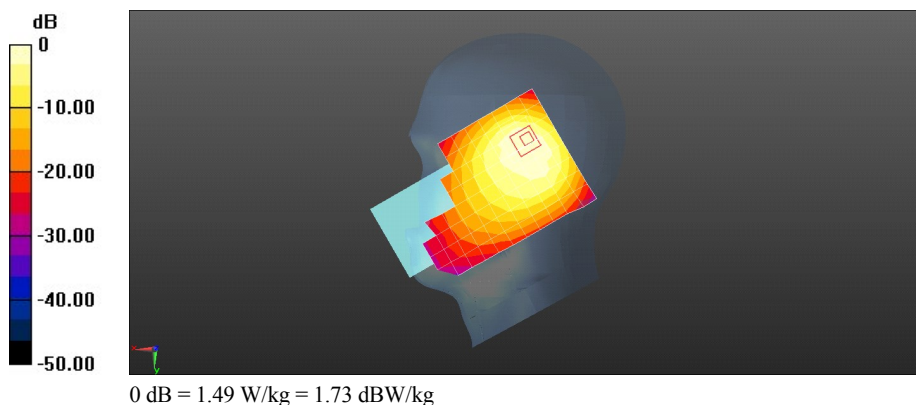
Configuration/Head/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 26.50 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 2.57 W/kg

SAR(1 g) = 1.26 W/kg; SAR(10 g) = 0.677 W/kg

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



Test Laboratory: HUAWEI SAR/HAC Lab

H1511 UMTS Band V 4182CH Back Side 15mm-Second antenna

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

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

Medium parameters used (interpolated): $f = 836.4$ MHz; $\sigma = 0.968$ S/m; $\epsilon_r = 55.015$; $\rho = 1000$ kg/m³

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 (9x7x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

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

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

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

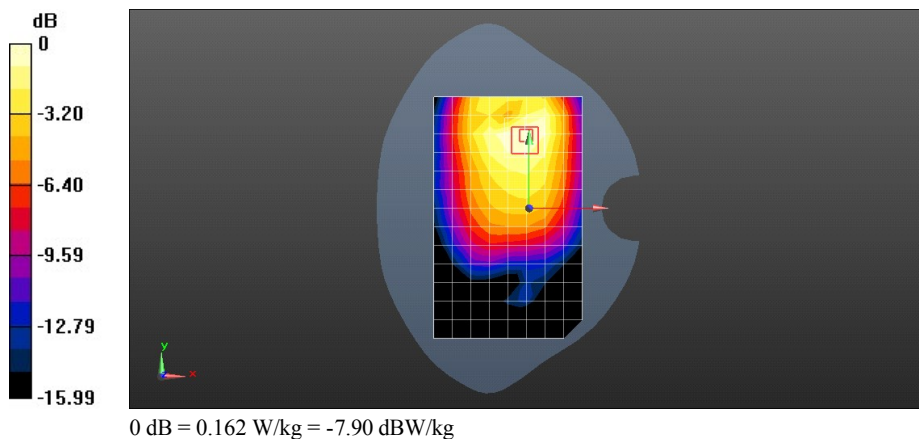
Reference Value = 8.240 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 0.193 W/kg

SAR(1 g) = 0.143 W/kg; SAR(10 g) = 0.100 W/kg

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

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



Test Laboratory: HUAWEI SAR/HAC Lab

H1511 UMTS Band V 4182CH Back Side 10mm-Second antenna

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

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

Medium parameters used (interpolated): $f = 836.4$ MHz; $\sigma = 0.968$ S/m; $\epsilon_r = 55.015$; $\rho = 1000$ kg/m³

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 (9x14x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

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

Maximum value of SAR (measured) = 0.284 W/kg

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

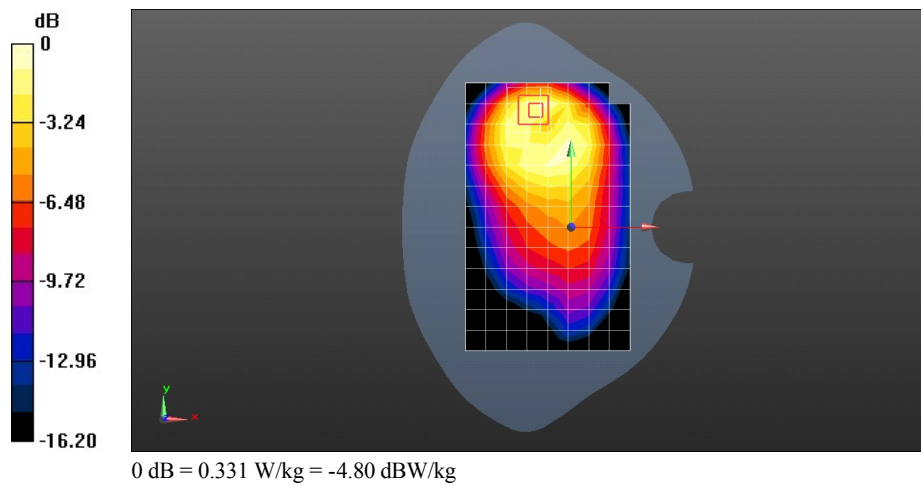
Reference Value = 9.361 V/m; Power Drift = -0.10 dB

Peak SAR (extrapolated) = 0.448 W/kg

SAR(1 g) = 0.274 W/kg; SAR(10 g) = 0.158 W/kg

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

Maximum value of SAR (measured) = 0.331 W/kg



Test Laboratory: HUAWEI SAR/HAC Lab

H1511 CDMA BC0 RC3 SO55 777CH Right hand touch cheek repeated-Second Antenna

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

Communication System: UID 0, HW-CDMA2000 (0); Frequency: 848.31 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 848.31$ MHz; $\sigma = 0.937$ S/m; $\epsilon_r = 42.368$; $\rho = 1000$ kg/m³

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

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

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

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

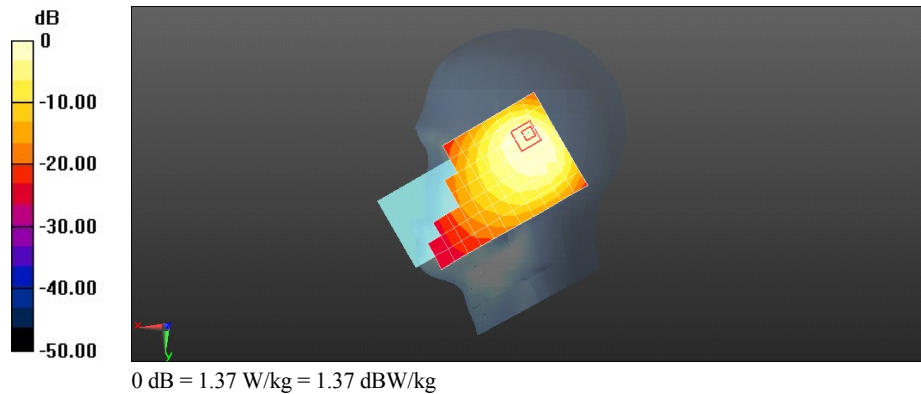
Reference Value = 25.21 V/m; Power Drift = -0.13 dB

Peak SAR (extrapolated) = 2.53 W/kg

SAR(1 g) = 1.22 W/kg; SAR(10 g) = 0.649 W/kg

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

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



Test Laboratory: HUAWEI SAR/HAC Lab

H1511 CDMA BC0 384CH Back Side 15mm-Second Antenna

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

Communication System: UID 0, CDMA2000 (0); Frequency: 836.52 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 837$ MHz; $\sigma = 0.968$ S/m; $\epsilon_r = 55.008$; $\rho = 1000$ kg/m³

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) = 0.196 W/kg

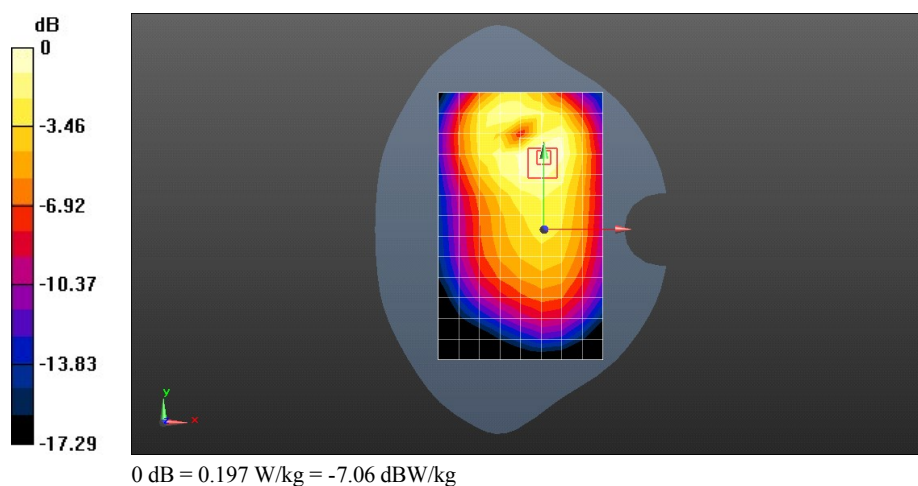
Configuration/Body/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 9.171 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 0.238 W/kg

SAR(1 g) = 0.175 W/kg; SAR(10 g) = 0.122 W/kg

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



Test Laboratory: HUAWEI SAR/HAC Lab

H1511 CDMA BC0 384CH Back Side 10mm-Second Antenna

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

Communication System: UID 0, CDMA2000 (0); Frequency: 836.52 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 837$ MHz; $\sigma = 0.984$ S/m; $\epsilon_r = 54.163$; $\rho = 1000$ kg/m³

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 (9x14x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

Maximum value of SAR (measured) = 0.344 W/kg

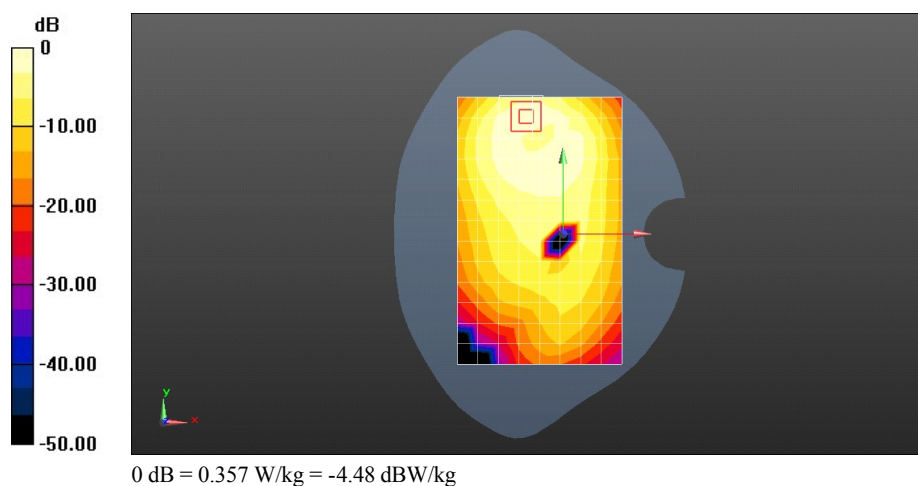
Configuration/Body/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 10.03 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 0.494 W/kg

SAR(1 g) = 0.296 W/kg; SAR(10 g) = 0.165 W/kg

Maximum value of SAR (measured) = 0.357 W/kg



Test Laboratory: HUAWEI SAR/HAC Lab

H1511 CDMA BC10 RC3 SO55 670CH Right hand touch cheek-Second Antenna

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

Communication System: UID 0, HW-CDMA2000 (0); Frequency: 822.75 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 823$ MHz; $\sigma = 0.915$ S/m; $\epsilon_r = 42.716$; $\rho = 1000$ kg/m³

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) = 1.18 W/kg

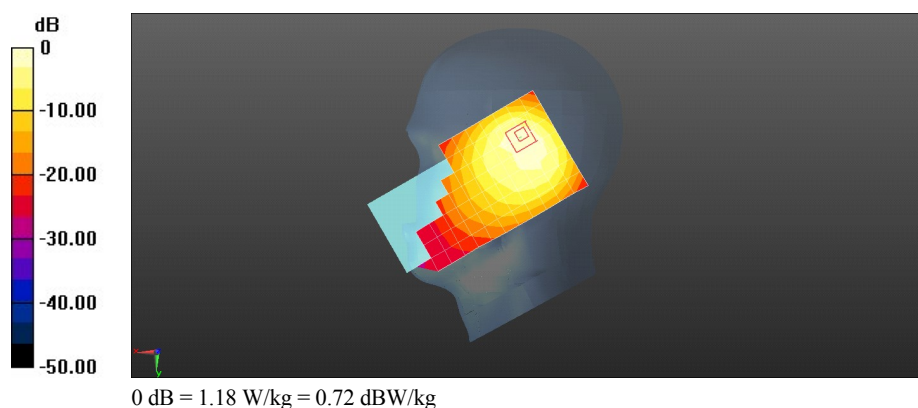
Configuration/Head/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 21.01 V/m; Power Drift = 0.010 dB

Peak SAR (extrapolated) = 1.70 W/kg

SAR(1 g) = 0.847 W/kg; SAR(10 g) = 0.454 W/kg

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



Test Laboratory: HUAWEI SAR/HAC Lab

H1511 CDMA BC10 565CH Back Side with 15mm-Second Antenna

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

Communication System: UID 0, CDMA2000 (0); Frequency: 820.125 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 820.125$ MHz; $\sigma = 0.952$ S/m; $\epsilon_r = 55.196$; $\rho = 1000$ kg/m³

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

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

Maximum value of SAR (measured) = 0.165 W/kg

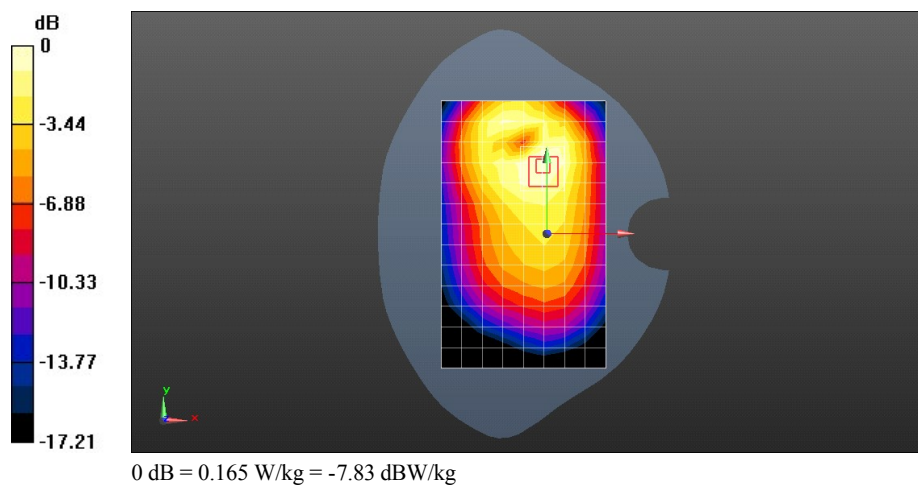
Configuration/Body/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 8.704 V/m; Power Drift = -0.08 dB

Peak SAR (extrapolated) = 0.197 W/kg

SAR(1 g) = 0.146 W/kg; SAR(10 g) = 0.102 W/kg

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



Test Laboratory: HUAWEI SAR/HAC Lab

H1511 CDMA BC10 565CH Back Side with 10mm-Second Antenna

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

Communication System: UID 0, CDMA2000 (0); Frequency: 820.125 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 820.125$ MHz; $\sigma = 0.954$ S/m; $\epsilon_r = 54.134$; $\rho = 1000$ kg/m³

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

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

Maximum value of SAR (measured) = 0.144 W/kg

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

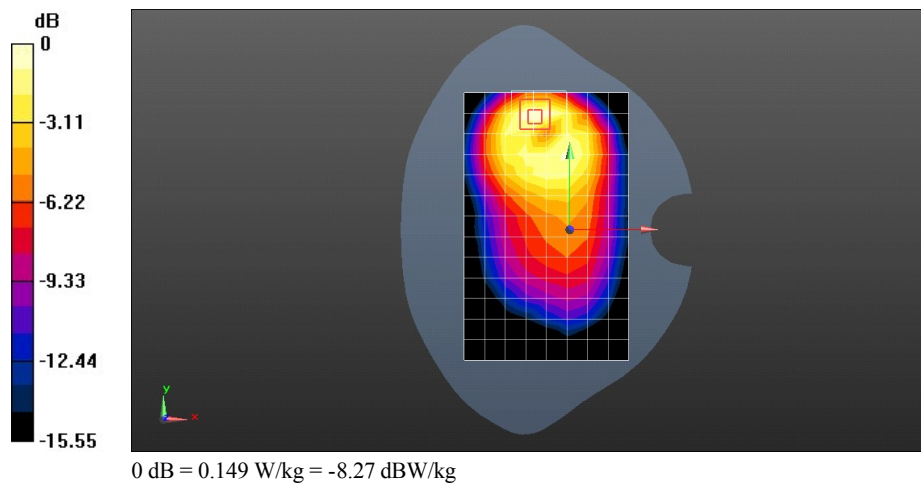
Reference Value = 6.336 V/m; Power Drift = -0.00 dB

Peak SAR (extrapolated) = 0.228 W/kg

SAR(1 g) = 0.132 W/kg; SAR(10 g) = 0.074 W/kg

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

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



Test Laboratory: HUAWEI SAR/HAC Lab

H1511 LTE Band V 10M QPSK 1RB#49 20600CH Right hand touch cheek-Second 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/m³

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(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) = 1.19 W/kg

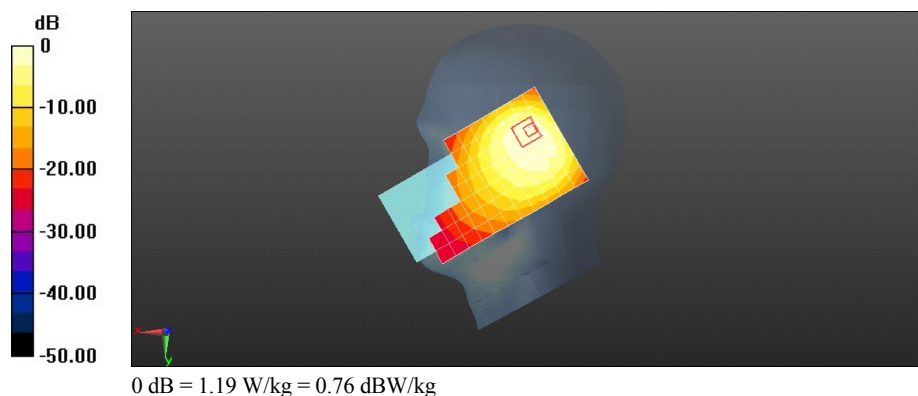
Configuration/Head/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 23.29 V/m; Power Drift = -0.12 dB

Peak SAR (extrapolated) = 2.11 W/kg

SAR(1 g) = 1.03 W/kg; SAR(10 g) = 0.553 W/kg

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



Test Laboratory: HUAWEI SAR/HAC Lab

H1511 LTE Band V 10M QPSK 1RB#49 20525CH Back Side 15mm-Second antenna

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

Communication System: UID 0, LTE-FDD (SC-FDMA, 10MHz, QPSK/16-QAM) (0); Frequency: 836.5 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 836.5$ MHz; $\sigma = 0.968$ S/m; $\epsilon_r = 55.014$; $\rho = 1000$ kg/m³

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

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

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

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

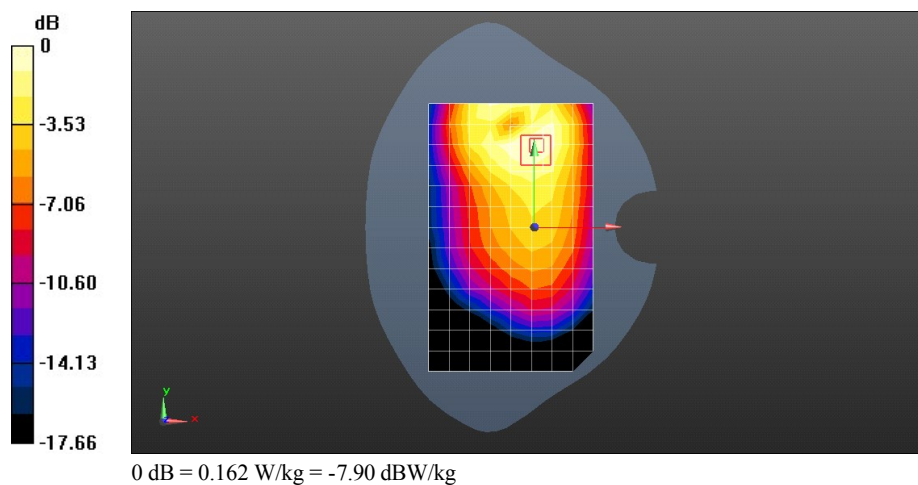
Reference Value = 7.555 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 0.205 W/kg

SAR(1 g) = 0.147 W/kg; SAR(10 g) = 0.100 W/kg

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

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



Test Laboratory: HUAWEI SAR/HAC Lab

H1511 LTE Band V 10M QPSK 50%RB#0 20450CH Back Side 10mm-Second antenna

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

Communication System: UID 0, LTE-FDD (SC-FDMA, 10MHz, QPSK/16-QAM) (0); Frequency: 829 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 829$ MHz; $\sigma = 0.969$ S/m; $\epsilon_r = 53.286$; $\rho = 1000$ kg/m³

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(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) = 0.154 W/kg

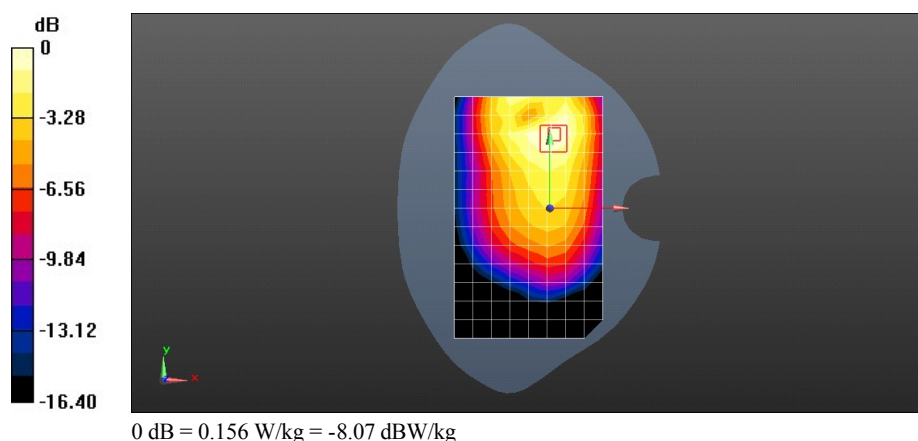
Configuration/Body/Zoom Scan (6x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 6.693 V/m; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 0.227 W/kg

SAR(1 g) = 0.134 W/kg; SAR(10 g) = 0.076 W/kg

Maximum value of SAR (measured) = 0.156 W/kg



Test Laboratory: HUAWEI SAR/HAC Lab

H1511 LTE Band XII 10M QPSK 1RB#49 23130CH Right hand touch cheek-repeated-Second 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; $\sigma = 0.858$ S/m; $\epsilon_r = 43.48$; $\rho = 1000$ kg/m³

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: 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) = 1.02 W/kg

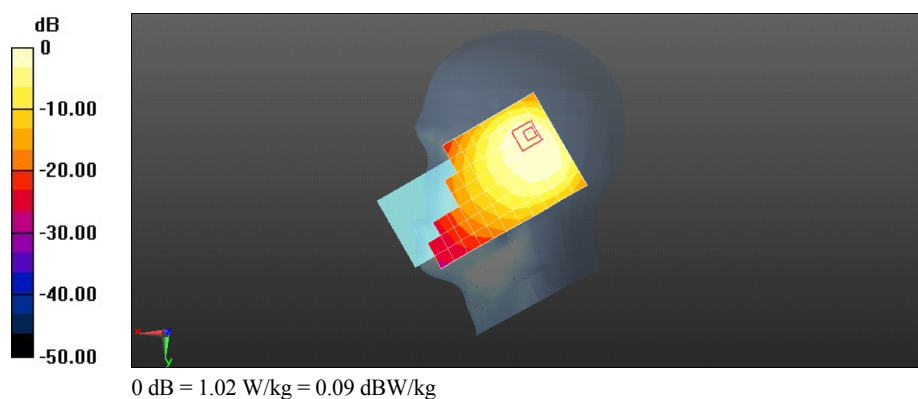
Configuration/Head/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 23.00 V/m; Power Drift = -0.13 dB

Peak SAR (extrapolated) = 2.18 W/kg

SAR(1 g) = 1.03 W/kg; SAR(10 g) = 0.547 W/kg

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



Test Laboratory: HUAWEI SAR/HAC Lab

H1511 LTE Band XII 10M QPSK 1RB#49 23095CH Back Side with 15mm-Second Antenna

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

Communication System: UID 0, LTE-FDD (SC-FDMA, 10MHz, QPSK/16-QAM) (0); Frequency: 707.5 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 707.5$ MHz; $\sigma = 0.925$ S/m; $\epsilon_r = 55.119$; $\rho = 1000$ kg/m³

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/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) = 0.127 W/kg

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

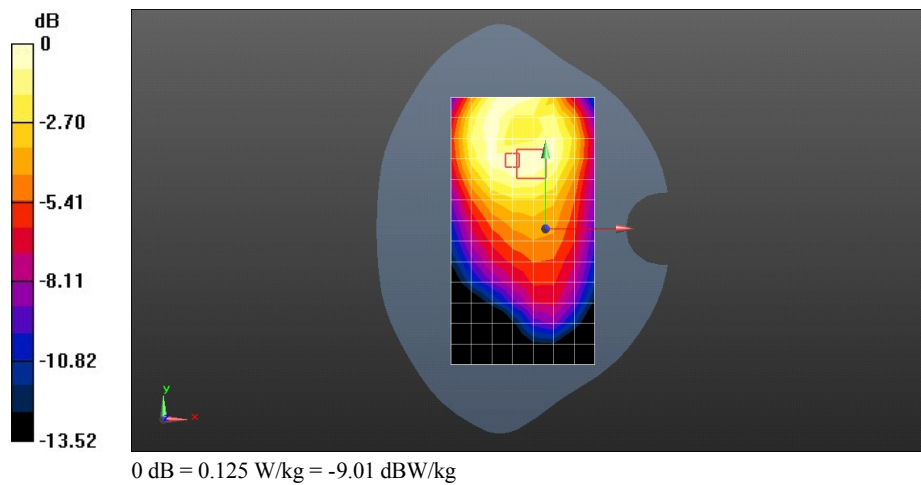
Reference Value = 7.057 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 0.160 W/kg

SAR(1 g) = 0.111 W/kg; SAR(10 g) = 0.079 W/kg

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

Maximum value of SAR (measured) = 0.125 W/kg



Test Laboratory: HUAWEI SAR/HAC Lab

H1511 LTE Band XII 10M QPSK 1RB#49 23130CH Back side 10mm-Second 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; $\sigma = 0.932$ S/m; $\epsilon_r = 55.069$; $\rho = 1000$ kg/m³

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(1222); SEMCAD X 14.6.10(7331)

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

Maximum value of SAR (measured) = 0.311 W/kg

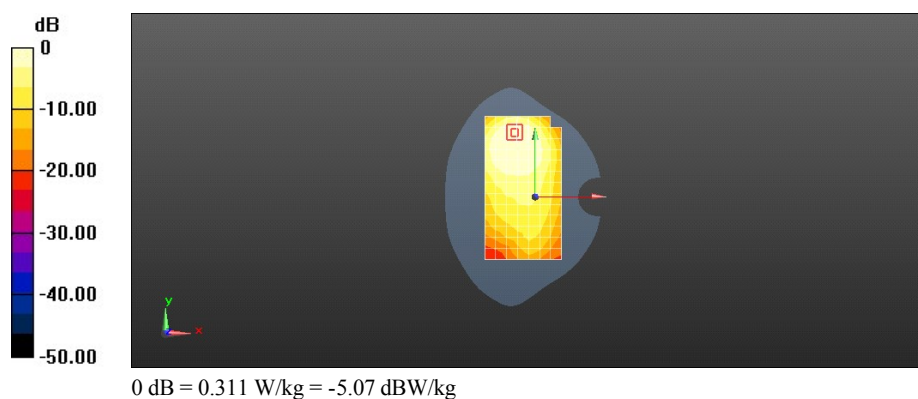
Configuration/Body/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 8.852 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 0.524 W/kg

SAR(1 g) = 0.312 W/kg; SAR(10 g) = 0.181 W/kg

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



Test Laboratory: HUAWEI SAR/HAC Lab

H1511 LTE Band XIII 10M QPSK 1RB#49 23230CH Right hand touch cheek-Second Antenna

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

Communication System: UID 0, LTE-FDD (SC-FDMA, 10MHz, QPSK/16-QAM) (0); Frequency: 782 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 782 \text{ MHz}$; $\sigma = 0.928 \text{ S/m}$; $\epsilon_r = 42.634$; $\rho = 1000 \text{ kg/m}^3$

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: $dx=15\text{mm}$, $dy=15\text{mm}$

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

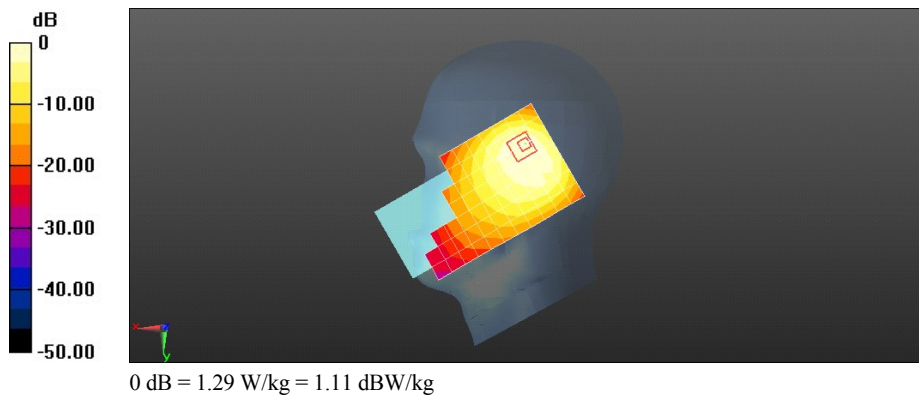
Configuration/Head/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 24.11 V/m ; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 2.35 W/kg

SAR(1 g) = 1.12 W/kg ; SAR(10 g) = 0.597 W/kg

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



Test Laboratory: HUAWEI SAR/HAC Lab

H1511 LTE Band XIII 10M QPSK 1RB#49 23230CH Back Side with 15mm-Second Antenna

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

Communication System: UID 0, LTE-FDD (SC-FDMA, 10MHz, QPSK/16-QAM) (0); Frequency: 782 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 782 \text{ MHz}$; $\sigma = 1.008 \text{ S/m}$; $\epsilon_r = 54.283$; $\rho = 1000 \text{ kg/m}^3$

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(1222); SEMCAD X 14.6.10(7331)

Configuration/Head/Area Scan (8x14x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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

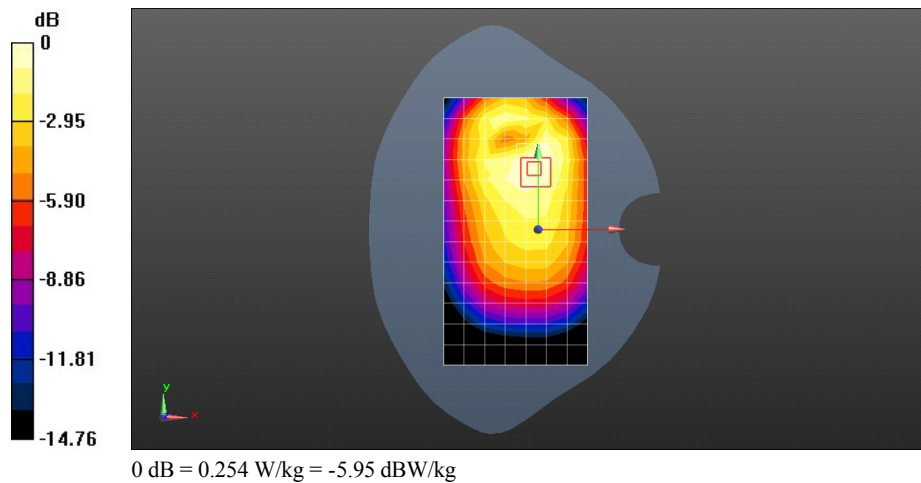
Configuration/Head/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 11.79 V/m ; Power Drift = 0.00 dB

Peak SAR (extrapolated) = 0.305 W/kg

SAR(1 g) = 0.226 W/kg ; SAR(10 g) = 0.162 W/kg

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



Test Laboratory: HUAWEI SAR/HAC Lab

H1511 LTE Band XIII 10M QPSK 50%RB#0 23230CH Back side 10mm-Second Antenna

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

Communication System: UID 0, LTE-FDD (SC-FDMA, 10MHz, QPSK/16-QAM) (0); Frequency: 782 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 782 \text{ MHz}$; $\sigma = 1.006 \text{ S/m}$; $\epsilon_r = 54.319$; $\rho = 1000 \text{ kg/m}^3$

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(1222); SEMCAD X 14.6.10(7331)

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

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

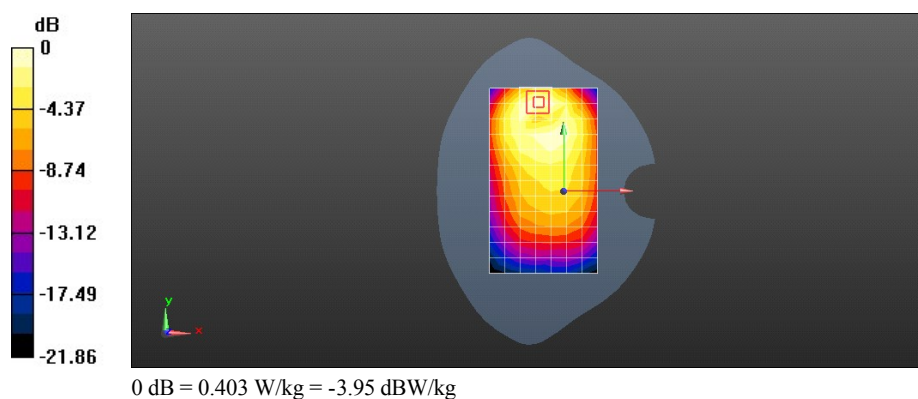
Configuration/Body/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 11.60 V/m ; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 0.530 W/kg

SAR(1 g) = 0.319 W/kg ; SAR(10 g) = 0.184 W/kg

Maximum value of SAR (measured) = 0.392 W/kg



Test Laboratory: HUAWEI SAR/HAC Lab

H1511 LTE Band XVII 10M QPSK 1RB#25 23800CH Right hand touch cheek-Second 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; $\sigma = 0.858$ S/m; $\epsilon_r = 43.48$; $\rho = 1000$ kg/m³

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) = 1.10 W/kg

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

Reference Value = 23.30 V/m; Power Drift = -0.16 dB

Peak SAR (extrapolated) = 2.06 W/kg

SAR(1 g) = 0.972 W/kg; SAR(10 g) = 0.515 W/kg

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

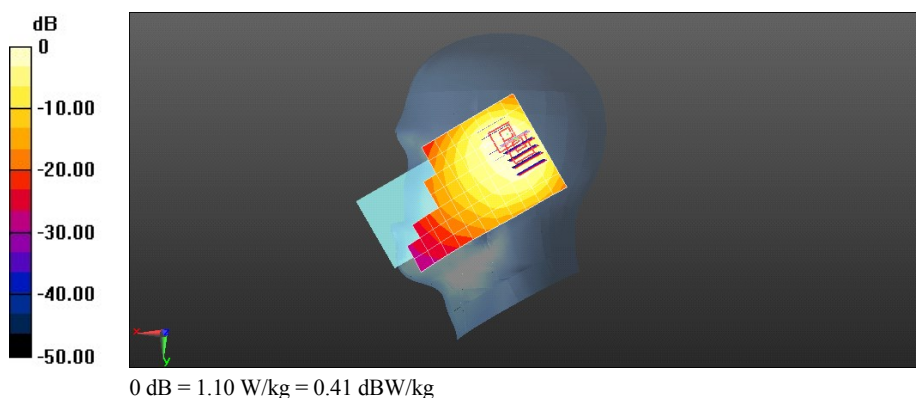
Configuration/Head/Zoom Scan (5x5x7)/Cube 1: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 23.30 V/m; Power Drift = -0.16 dB

Peak SAR (extrapolated) = 1.41 W/kg

SAR(1 g) = 0.720 W/kg; SAR(10 g) = 0.419 W/kg

Maximum value of SAR (measured) = 0.903 W/kg



Test Laboratory: HUAWEI SAR/HAC Lab

H1511 LTE Band XVII QPSK 10M 1RB#49 Back Side with 15mm-Second 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: $f = 710 \text{ MHz}$; $\sigma = 0.935 \text{ S/m}$; $\epsilon_r = 55.666$; $\rho = 1000 \text{ kg/m}^3$

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: $dx=15\text{mm}$, $dy=15\text{mm}$

Maximum value of SAR (measured) = 0.141 W/kg

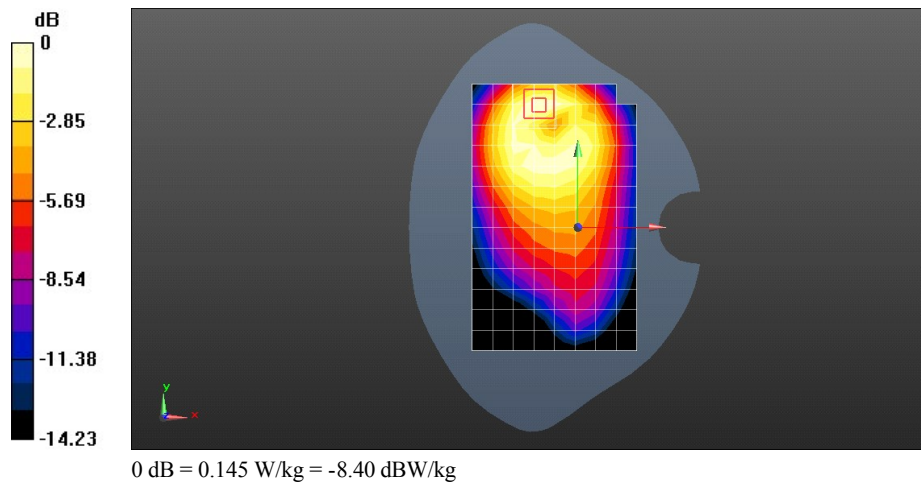
Configuration/Body/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 7.305 V/m ; Power Drift = 0.10 dB

Peak SAR (extrapolated) = 0.190 W/kg

SAR(1 g) = 0.122 W/kg ; SAR(10 g) = 0.075 W/kg

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



Test Laboratory: HUAWEI SAR/HAC Lab

H1511 LTE Band XVII 10M QPSK 50%RB#25 23790CH Back side 10mm-Second 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/m³

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(1222); SEMCAD X 14.6.10(7331)

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

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

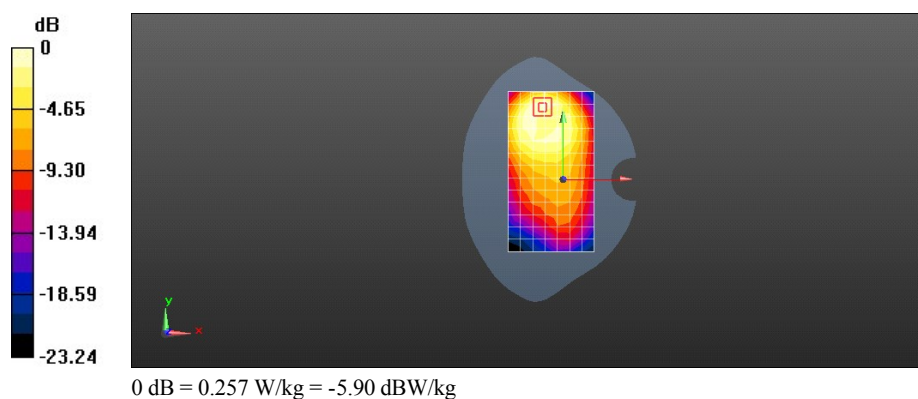
Configuration/Body/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 7.944 V/m; Power Drift = -0.11 dB

Peak SAR (extrapolated) = 0.404 W/kg

SAR(1 g) = 0.238 W/kg; SAR(10 g) = 0.138 W/kg

Maximum value of SAR (measured) = 0.272 W/kg



Test Laboratory: HUAWEI SAR/HAC Lab

H1511 LTE Band XXVI 15M QPSK 1RB#38 26965CH Right hand touch cheek repeated-Second Antenna

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

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

Medium parameters used (interpolated): $f = 841.5$ MHz; $\sigma = 0.895$ S/m; $\epsilon_r = 41.728$; $\rho = 1000$ kg/m³

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

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

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

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

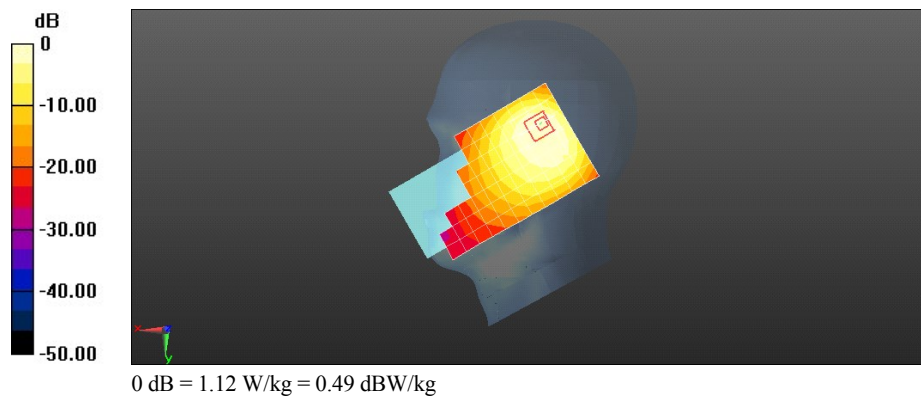
Reference Value = 23.72 V/m; Power Drift = -0.07 dB

Peak SAR (extrapolated) = 2.20 W/kg

SAR(1 g) = 1.06 W/kg; SAR(10 g) = 0.560 W/kg

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

Maximum value of SAR (measured) = 1.45 W/kg



Test Laboratory: HUAWEI SAR/HAC Lab

H1511 LTE Band XXVI 15M QPSK 50%RB#0 26965CH Back Side 15mm-Second antenna

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

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

Medium parameters used (interpolated): $f = 841.5$ MHz; $\sigma = 0.973$ S/m; $\epsilon_r = 54.955$; $\rho = 1000$ kg/m³

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

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

Maximum value of SAR (measured) = 0.114 W/kg

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

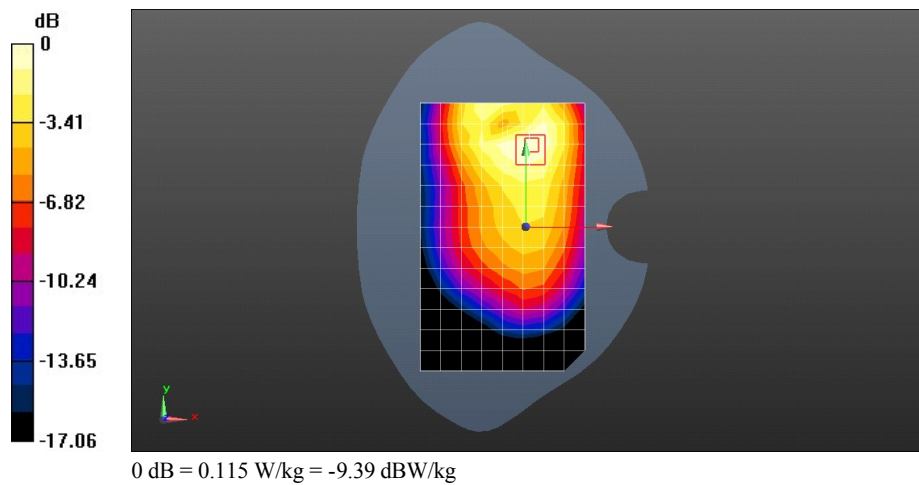
Reference Value = 6.659 V/m; Power Drift = 0.09 dB

Peak SAR (extrapolated) = 0.141 W/kg

SAR(1 g) = 0.103 W/kg; SAR(10 g) = 0.072 W/kg

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

Maximum value of SAR (measured) = 0.115 W/kg



Test Laboratory: HUAWEI SAR/HAC Lab

H1511 LTE Band XXVI 15M QPSK 50%RB#18 26965CH Back Side 10mm-Second antenna

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

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

Medium parameters used (interpolated): $f = 841.5$ MHz; $\sigma = 0.983$ S/m; $\epsilon_r = 53.136$; $\rho = 1000$ kg/m³

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

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

Maximum value of SAR (measured) = 0.324 W/kg

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

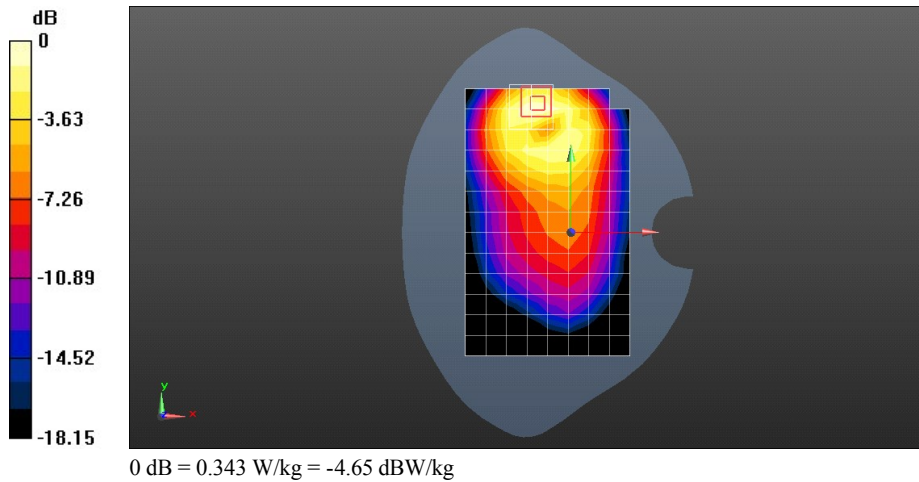
Reference Value = 8.142 V/m; Power Drift = -0.09 dB

Peak SAR (extrapolated) = 0.482 W/kg

SAR(1 g) = 0.281 W/kg; SAR(10 g) = 0.155 W/kg

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

Maximum value of SAR (measured) = 0.343 W/kg



Test Laboratory: HUAWEI SAR/HAC Lab

H1511 GSM850 251CH Right hand touch cheek-Main Antenna

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

Communication System: UID 0, HW-GSM\GPRS\EGPRS-1TS (0); Frequency: 848.8 MHz; Duty Cycle: 1:8.30042

Medium parameters used: $f = 849$ MHz; $\sigma = 0.899$ S/m; $\epsilon_r = 41.657$; $\rho = 1000$ kg/m³

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) = 0.323 W/kg

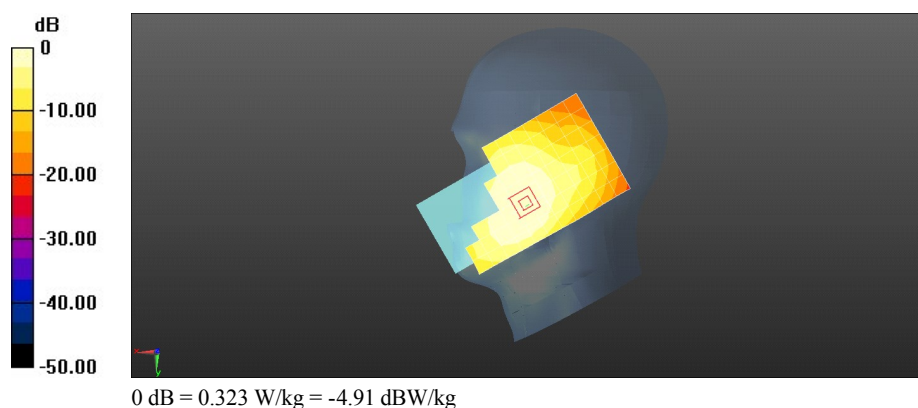
Configuration/Head/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 7.212 V/m; Power Drift = 0.13 dB

Peak SAR (extrapolated) = 0.369 W/kg

SAR(1 g) = 0.303 W/kg; SAR(10 g) = 0.235 W/kg

Maximum value of SAR (measured) = 0.331 W/kg



Test Laboratory: HUAWEI SAR/HAC Lab

H1511 GSM850 190CH Back Side 15mm-Main Antenna

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

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

Medium parameters used: $f = 837$ MHz; $\sigma = 0.968$ S/m; $\epsilon_r = 55.008$; $\rho = 1000$ kg/m³

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(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) = 0.257 W/kg

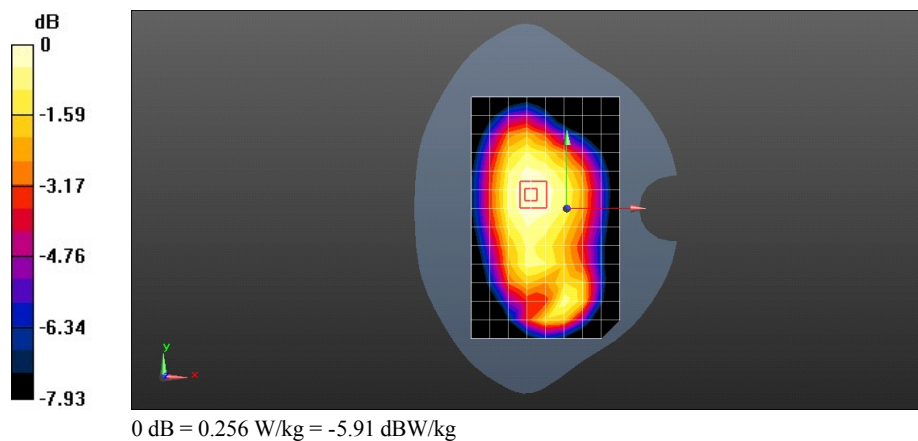
Configuration/Body/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 15.45 V/m; Power Drift = -0.00 dB

Peak SAR (extrapolated) = 0.292 W/kg

SAR(1 g) = 0.233 W/kg; SAR(10 g) = 0.178 W/kg

Maximum value of SAR (measured) = 0.256 W/kg



Test Laboratory: HUAWEI SAR/HAC Lab

H1511 GSM850 GPRS 2TS 190CH Back Side 10mm-Main Antenna

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

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

Medium parameters used: $f = 837$ MHz; $\sigma = 0.978$ S/m; $\epsilon_r = 53.192$; $\rho = 1000$ kg/m³

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(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) = 0.418 W/kg

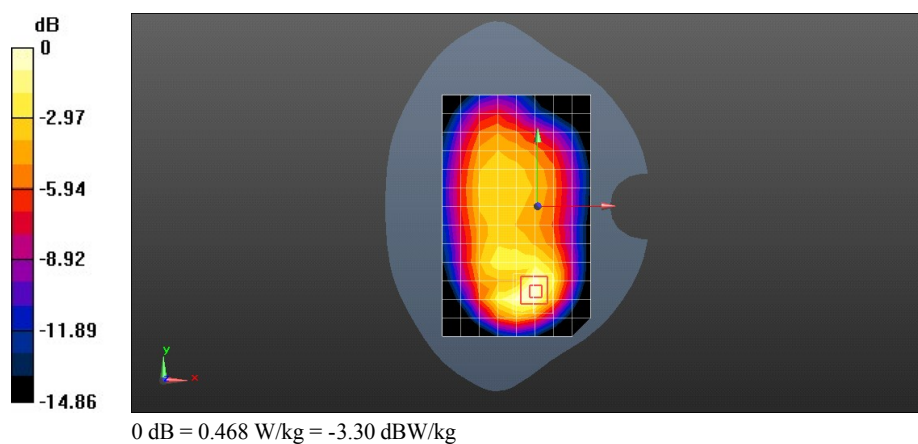
Configuration/Body/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 14.20 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 0.684 W/kg

SAR(1 g) = 0.374 W/kg; SAR(10 g) = 0.211 W/kg

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



Test Laboratory: HUAWEI SAR/HAC Lab

H1511 GSM1900 810CH Right hand touch cheek-Main Antenna

DUT: H1511; 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; $\sigma = 1.416$ S/m; $\epsilon_r = 39.185$; $\rho = 1000$ kg/m³

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 (8x13x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

Maximum value of SAR (measured) = 0.136 W/kg

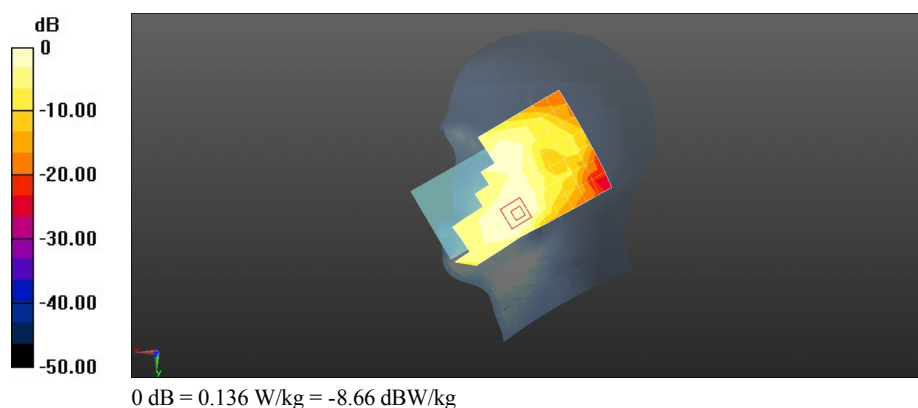
Configuration/Head/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 3.701 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 0.201 W/kg

SAR(1 g) = 0.140 W/kg; SAR(10 g) = 0.089 W/kg

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



Test Laboratory: HUAWEI SAR/HAC Lab

H1511 GSM1900 661CH Back Side with 15mm-Main antenna

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

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

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.502$ S/m; $\epsilon_r = 52.277$; $\rho = 1000$ kg/m³

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) = 0.705 W/kg

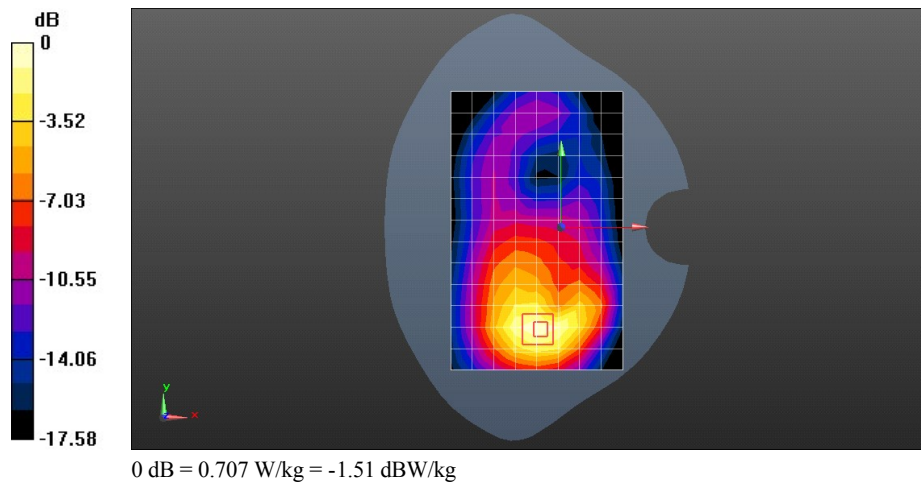
Configuration/Body/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 7.351 V/m; Power Drift = 0.17 dB

Peak SAR (extrapolated) = 0.931 W/kg

SAR(1 g) = 0.594 W/kg; SAR(10 g) = 0.354 W/kg

Maximum value of SAR (measured) = 0.707 W/kg



Test Laboratory: HUAWEI SAR/HAC Lab

H1511 GSM1900 GPRS 2TS 512CH Bottom Side with 10mm-repeated-Main antenna

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

Communication System: UID 0, HW-GSM\GPRS\EGPRS-2TS (0); Frequency: 1850.2 MHz; Duty Cycle: 1:4.10015

Medium parameters used (interpolated): $f = 1850.2$ MHz; $\sigma = 1.502$ S/m; $\epsilon_r = 51.598$; $\rho = 1000$ kg/m³

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 (7x10x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

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

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

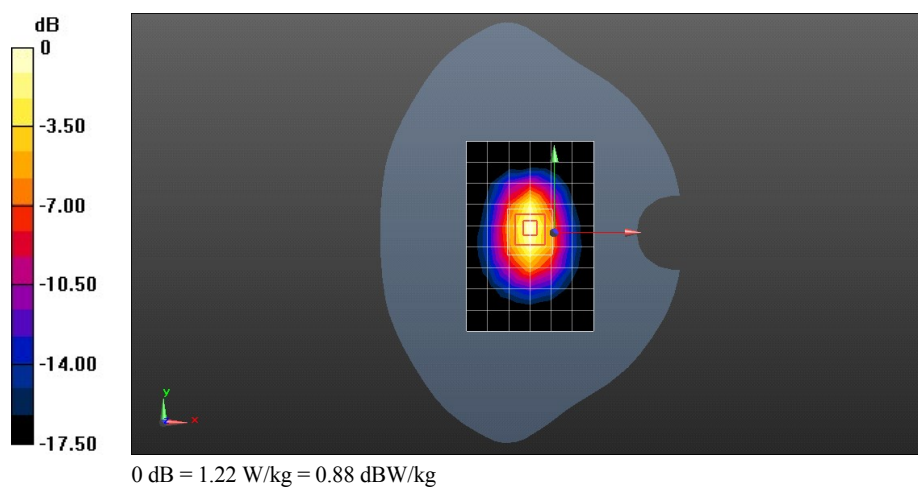
Configuration/Body/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 27.54 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 1.68 W/kg

SAR(1 g) = 0.994 W/kg; SAR(10 g) = 0.534 W/kg

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



Test Laboratory: HUAWEI SAR/HAC Lab

H1511 GSM1900 GPRS 2TS 661CH Bottom Side with 0mm-Main antenna

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

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

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.551$ S/m; $\epsilon_r = 51.718$; $\rho = 1000$ kg/m³

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(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) = 3.00 W/kg

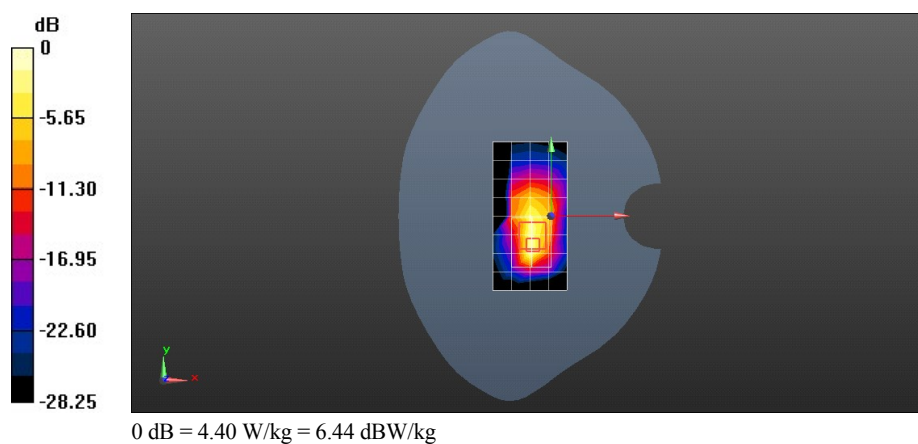
Configuration/Body/Zoom Scan (5x6x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 33.91 V/m; Power Drift = -0.18 dB

Peak SAR (extrapolated) = 7.43 W/kg

SAR(1 g) = 2.73 W/kg; SAR(10 g) = 1.15 W/kg

Maximum value of SAR (measured) = 4.40 W/kg



Test Laboratory: HUAWEI SAR/HAC Lab

H1511 UMTS Band II 9400CH Right hand touch check-Main Antenna

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

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

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.388$ S/m; $\epsilon_r = 39.302$; $\rho = 1000$ kg/m³

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 (8x13x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

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

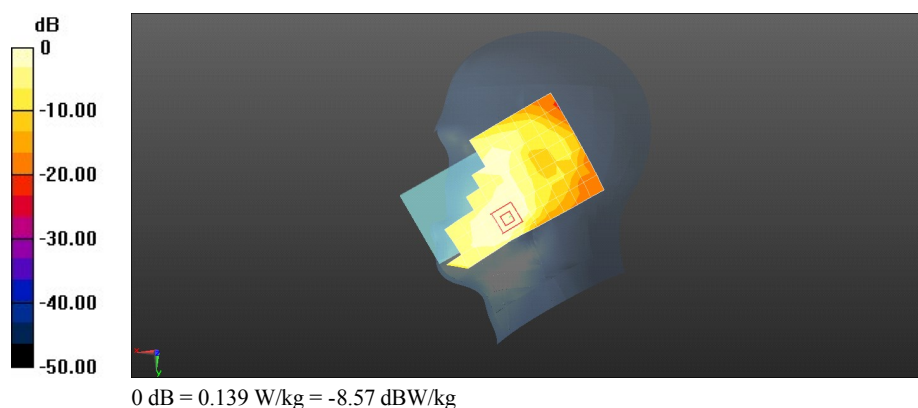
Configuration/Head/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 3.947 V/m; Power Drift = 0.11 dB

Peak SAR (extrapolated) = 0.195 W/kg

SAR(1 g) = 0.136 W/kg; SAR(10 g) = 0.088 W/kg

Maximum value of SAR (measured) = 0.158 W/kg



Test Laboratory: HUAWEI SAR/HAC Lab

H1511 UMTS Band II 9400CH Front Side with 15mm-Main antenna

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

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

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.502$ S/m; $\epsilon_r = 52.277$; $\rho = 1000$ kg/m³

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) = 0.699 W/kg

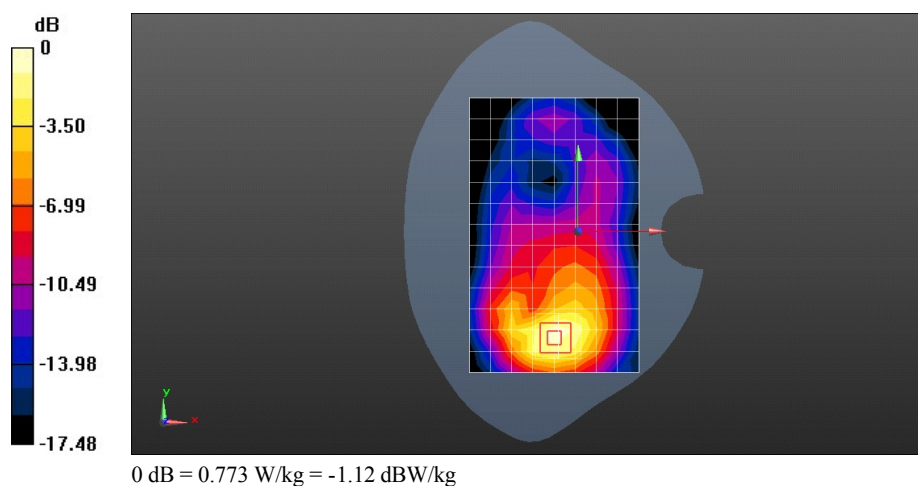
Configuration/Body/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 7.495 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 1.02 W/kg

SAR(1 g) = 0.652 W/kg; SAR(10 g) = 0.385 W/kg

Maximum value of SAR (measured) = 0.773 W/kg



Test Laboratory: HUAWEI SAR/HAC Lab

H1511 UMTS Band II 9262CH Bottom Side with 10mm-Main antenna

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

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

Medium parameters used (interpolated): $f = 1852.4$ MHz; $\sigma = 1.504$ S/m; $\epsilon_r = 51.591$; $\rho = 1000$ kg/m³

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) = 0.954 W/kg

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

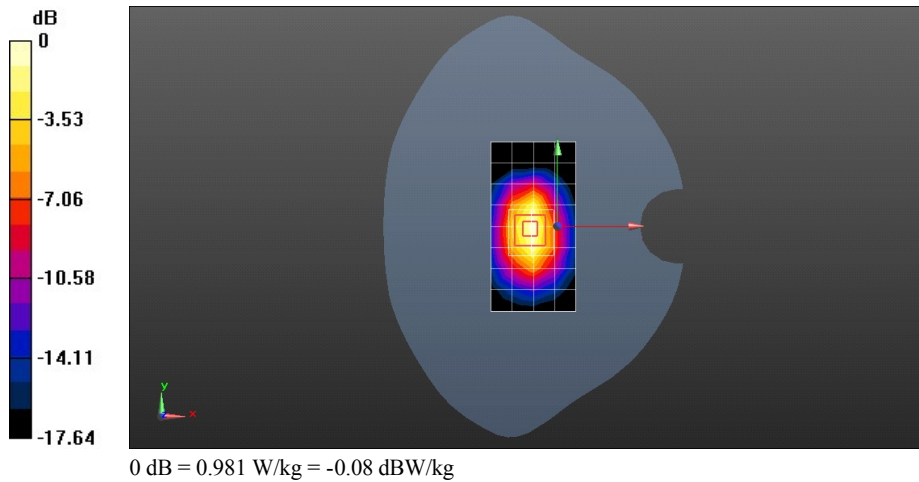
Reference Value = 24.49 V/m; Power Drift = 0.07 dB

Peak SAR (extrapolated) = 1.35 W/kg

SAR(1 g) = 0.803 W/kg; SAR(10 g) = 0.434 W/kg

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

Maximum value of SAR (measured) = 0.981 W/kg



Test Laboratory: HUAWEI SAR/HAC Lab

H1511 UMTS Band II 9400CH Bottom Side with 0mm-Main antenna

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

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

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.502$ S/m; $\epsilon_r = 52.277$; $\rho = 1000$ kg/m³

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 (5x9x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

Maximum value of SAR (measured) = 3.06 W/kg

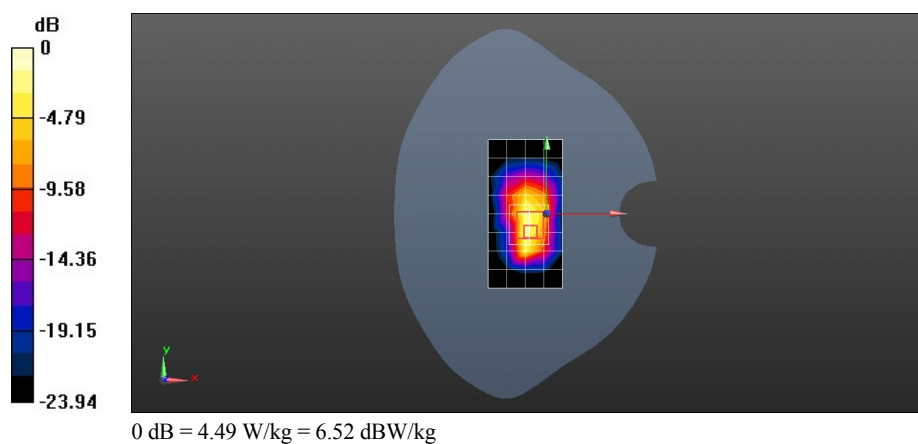
Configuration/Body/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 41.32 V/m; Power Drift = -0.19 dB

Peak SAR (extrapolated) = 7.11 W/kg

SAR(1 g) = 3.01 W/kg; SAR(10 g) = 1.38 W/kg

Maximum value of SAR (measured) = 4.49 W/kg



Test Laboratory: HUAWEI SAR/HAC Lab

H1511 UMTS Band IV 1513CH Right hand touch cheek-Main antenna

DUT: H1511; 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; $\sigma = 1.352$ S/m; $\epsilon_r = 39.025$; $\rho = 1000$ kg/m³

Phantom section: Right 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

Maximum value of SAR (measured) = 0.108 W/kg

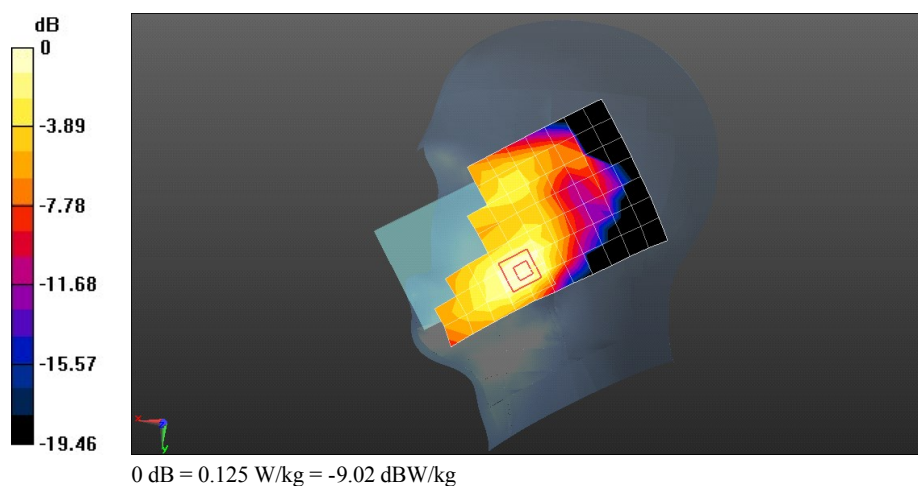
Configuration/Head/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 3.738 V/m; Power Drift = 0.17dB

Peak SAR (extrapolated) = 0.161 W/kg

SAR(1 g) = 0.107 W/kg; SAR(10 g) = 0.068 W/kg

Maximum value of SAR (measured) = 0.125 W/kg



Test Laboratory: HUAWEI SAR/HAC Lab

H1511 UMTS Band IV 1413CH Front Side with 15mm-Main antenna

DUT: H1511; 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; $\sigma = 1.514$ S/m; $\epsilon_r = 51.036$; $\rho = 1000$ kg/m³

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

Maximum value of SAR (measured) = 0.556 W/kg

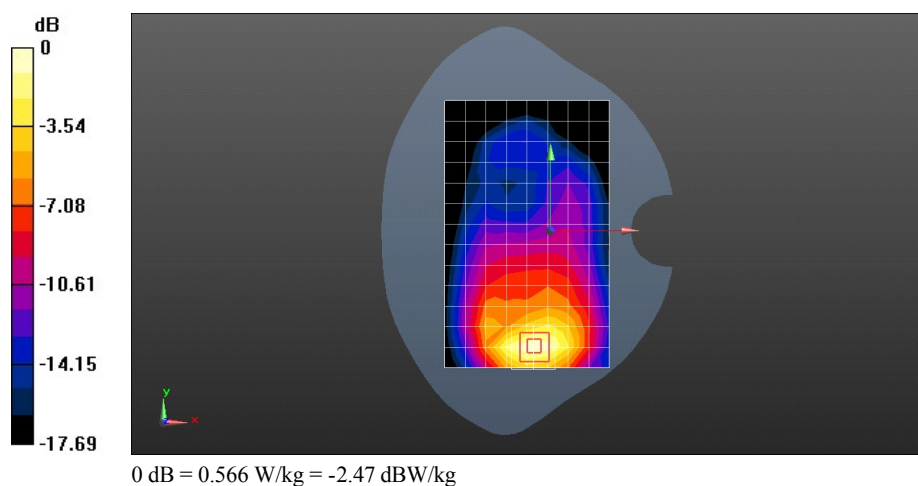
Configuration/Body/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 4.789 V/m; Power Drift = 0.00 dB

Peak SAR (extrapolated) = 0.743 W/kg

SAR(1 g) = 0.470 W/kg; SAR(10 g) = 0.273 W/kg

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



Test Laboratory: HUAWEI SAR/HAC Lab

H1511 UMTS Band IV 1413CH Bottom Side-Repeated with 10mm-Main antenna

DUT: H1511; 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; $\sigma = 1.41$ S/m; $\epsilon_r = 51.947$; $\rho = 1000$ kg/m³

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) = 1.20 W/kg

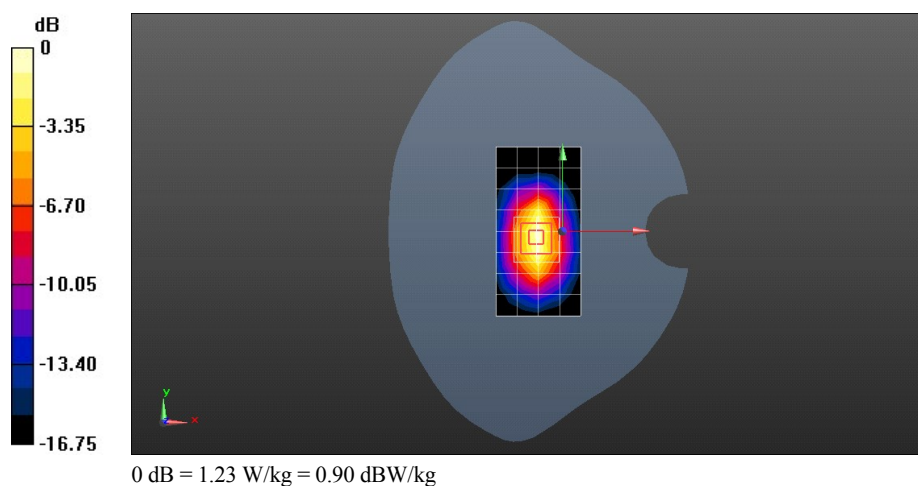
Configuration/Body/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 28.36 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 1.66 W/kg

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

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



Test Laboratory: HUAWEI SAR/HAC Lab

H1511 UMTS Band IV 1513CH Front Side with 0mm-Main antenna

DUT: H1511; 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; $\sigma = 1.532$ S/m; $\epsilon_r = 51.507$; $\rho = 1000$ kg/m³

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 (9x14x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

Maximum value of SAR (measured) = 8.20 W/kg

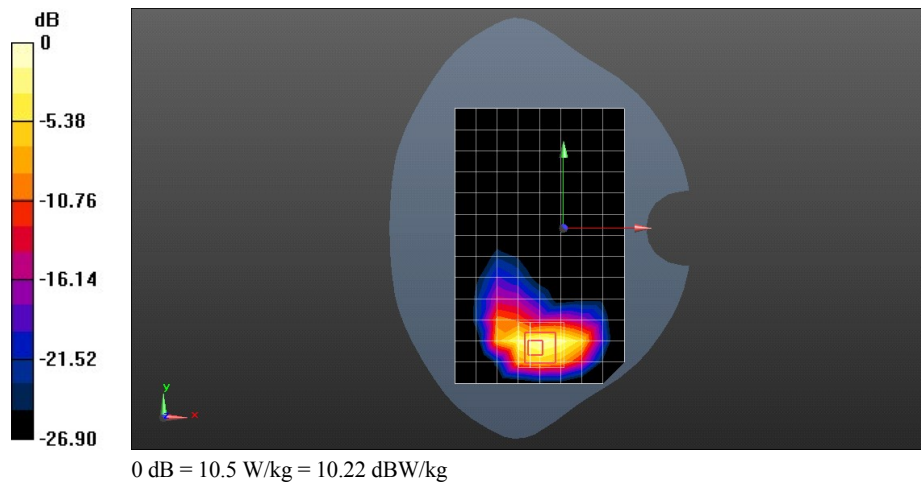
Configuration/Body/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 1.284 V/m; Power Drift = -0.13 dB

Peak SAR (extrapolated) = 15.9 W/kg

SAR(1 g) = 7.2 W/kg; SAR(10 g) = 3.2 W/kg

Maximum value of SAR (measured) = 10.5 W/kg



Test Laboratory: HUAWEI SAR/HAC Lab

H1511 UMTS Band V 4233CH Right hand touch cheek-Main Antenna

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

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

Medium parameters used: $f = 847$ MHz; $\sigma = 0.898$ S/m; $\epsilon_r = 41.674$; $\rho = 1000$ kg/m³

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) = 0.348 W/kg

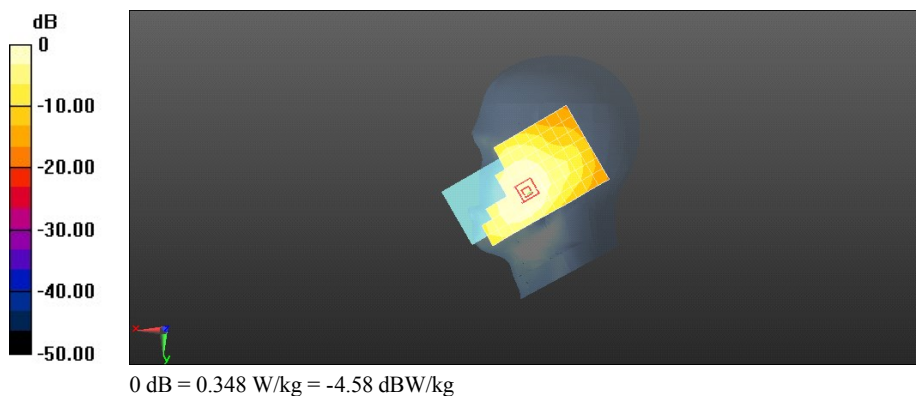
Configuration/Head/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 7.706 V/m; Power Drift = 0.17 dB

Peak SAR (extrapolated) = 0.400 W/kg

SAR(1 g) = 0.330 W/kg; SAR(10 g) = 0.258 W/kg

Maximum value of SAR (measured) = 0.358 W/kg



Test Laboratory: HUAWEI SAR/HAC Lab

H1511 UMTS Band V 4182CH Back Side 15mm-Main antenna

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

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

Medium parameters used (interpolated): $f = 836.4$ MHz; $\sigma = 0.968$ S/m; $\epsilon_r = 55.015$; $\rho = 1000$ kg/m³

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

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

Maximum value of SAR (measured) = 0.287 W/kg

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

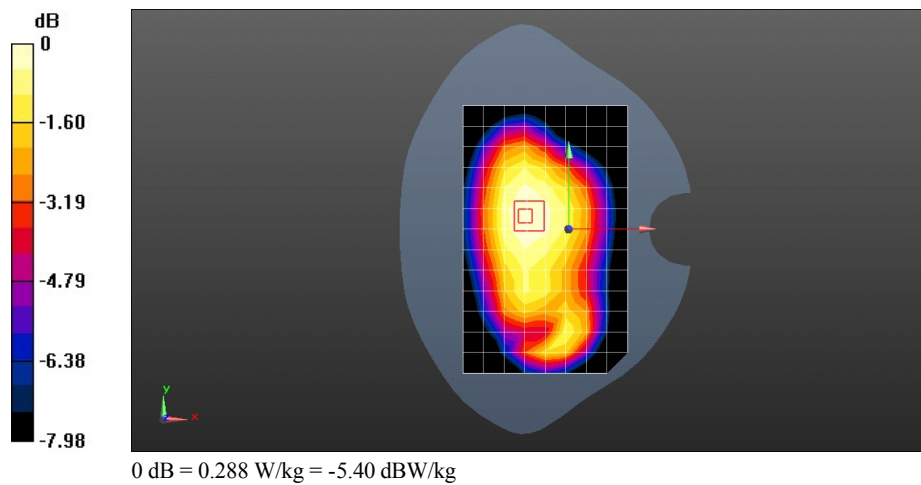
Reference Value = 16.31 V/m; Power Drift = 0.00 dB

Peak SAR (extrapolated) = 0.330 W/kg

SAR(1 g) = 0.263 W/kg; SAR(10 g) = 0.201 W/kg

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

Maximum value of SAR (measured) = 0.288 W/kg



Test Laboratory: HUAWEI SAR/HAC Lab

H1511 UMTS Band V 4182CH Back Side 10mm-Main antenna

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

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

Medium parameters used (interpolated): $f = 836.4$ MHz; $\sigma = 0.983$ S/m; $\epsilon_r = 54.171$; $\rho = 1000$ kg/m³

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 (9x14x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

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

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

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

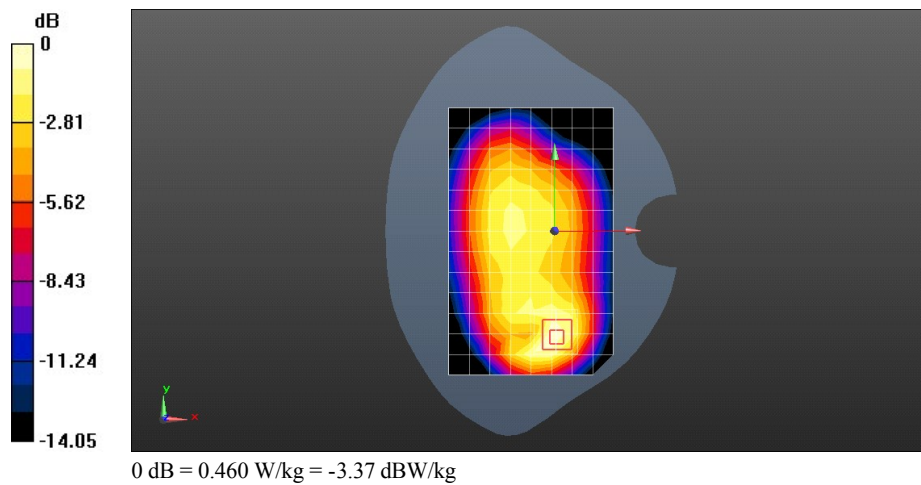
Reference Value = 17.20 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 0.671 W/kg

SAR(1 g) = 0.382 W/kg; SAR(10 g) = 0.221 W/kg

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

Maximum value of SAR (measured) = 0.460 W/kg



Test Laboratory: HUAWEI SAR/HAC Lab

H1511 CDMA BC0 RC3 SO55 777CH Right hand touch cheek-Main Antenna

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

Communication System: UID 0, HW-CDMA2000 (0); Frequency: 848.31 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 848.31$ MHz; $\sigma = 0.937$ S/m; $\epsilon_r = 42.368$; $\rho = 1000$ kg/m³

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

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

Maximum value of SAR (measured) = 0.400 W/kg

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

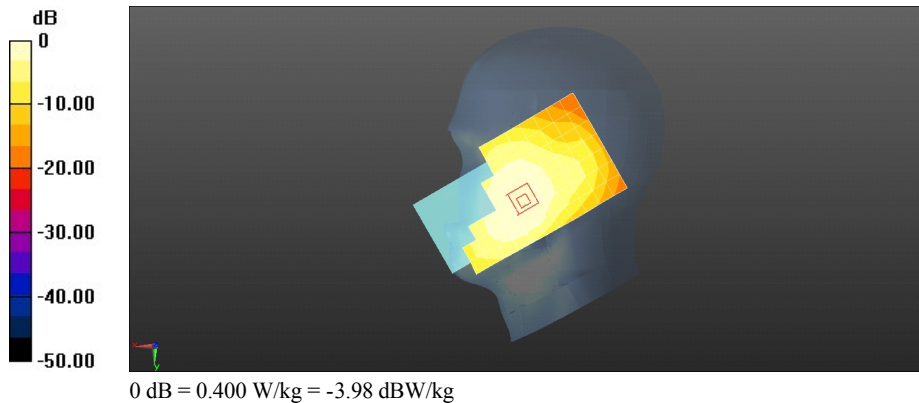
Reference Value = 9.045 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 0.445 W/kg

SAR(1 g) = 0.372 W/kg; SAR(10 g) = 0.288 W/kg

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

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



Test Laboratory: HUAWEI SAR/HAC Lab

H1511 CDMA BC0 RC3 SO32 384CH Back Side 15mm-Main Antenna

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

Communication System: UID 0, CDMA2000 (0); Frequency: 836.52 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 837$ MHz; $\sigma = 0.968$ S/m; $\epsilon_r = 55.008$; $\rho = 1000$ kg/m³

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(1222); SEMCAD X 14.6.10(7331)

Configuration/Body/Area Scan (9x10x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

Maximum value of SAR (measured) = 0.358 W/kg

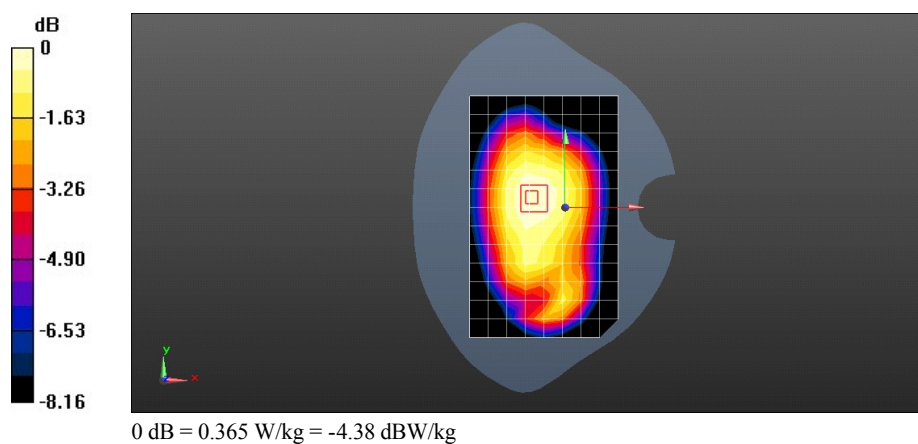
Configuration/Body/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 18.88 V/m; Power Drift = -0.08 dB

Peak SAR (extrapolated) = 0.417 W/kg

SAR(1 g) = 0.332 W/kg; SAR(10 g) = 0.254 W/kg

Maximum value of SAR (measured) = 0.365 W/kg



Test Laboratory: HUAWEI SAR/HAC Lab

H1511 CDMA BC0 Rev.0 384CH Back Side 10mm-Main Antenna

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

Communication System: UID 0, CDMA2000 (0); Frequency: 836.52 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 837$ MHz; $\sigma = 0.984$ S/m; $\epsilon_r = 54.163$; $\rho = 1000$ kg/m³

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 (9x14x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

Maximum value of SAR (measured) = 0.640 W/kg

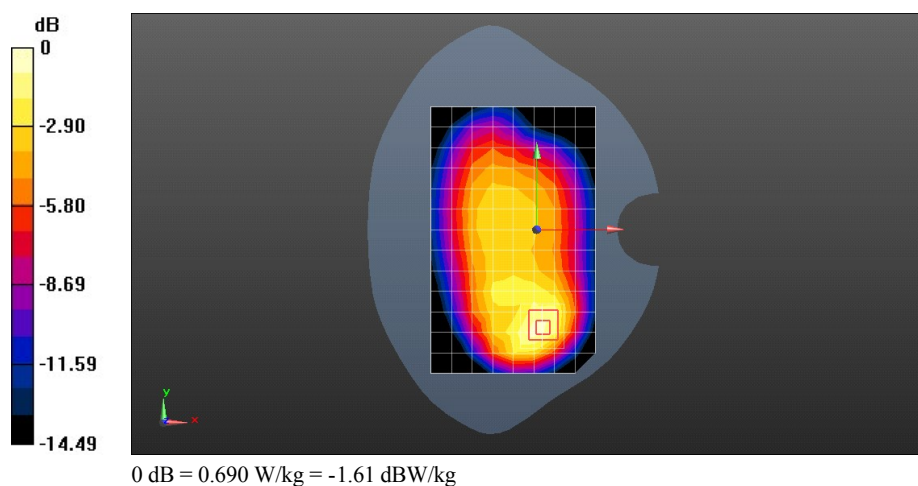
Configuration/Body/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 18.16 V/m; Power Drift = 0.07 dB

Peak SAR (extrapolated) = 0.989 W/kg

SAR(1 g) = 0.551 W/kg; SAR(10 g) = 0.315 W/kg

Maximum value of SAR (measured) = 0.690 W/kg



Test Laboratory: HUAWEI SAR/HAC Lab

H1511 CDMA BC1 RC3 SO55 25CH Right hand touch cheek-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/m³

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

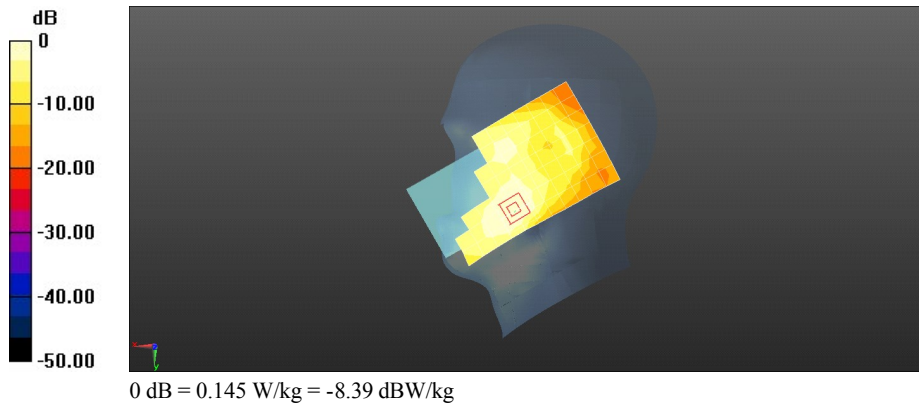
Reference Value = 5.646 V/m; Power Drift = -0.08 dB

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



Test Laboratory: HUAWEI SAR/HAC Lab

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/m³

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

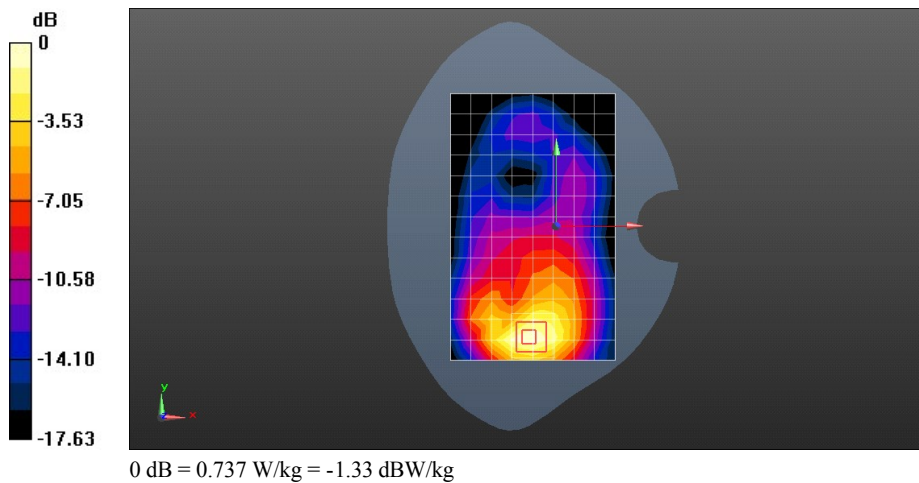
Configuration/Body/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

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/m³

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

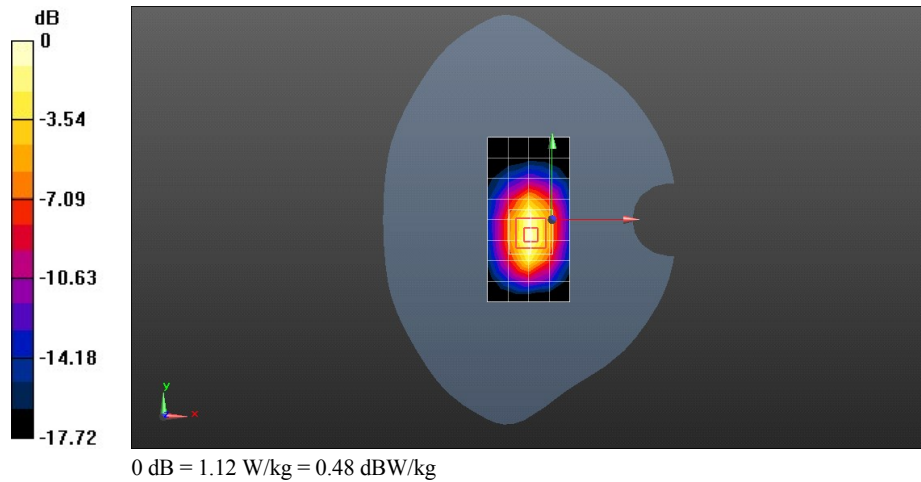
Reference Value = 24.18 V/m; Power Drift = -0.14 dB

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/m³

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(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

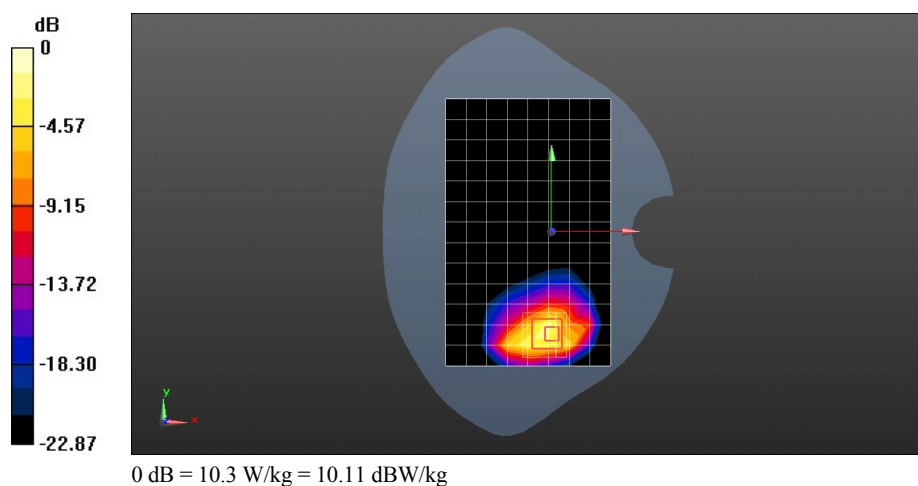
Configuration/Body/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

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 CDMA BC10 RC3 SO55 565CH Right hand touch cheek-Main Antenna

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

Communication System: UID 0, HW-CDMA2000 (0); Frequency: 820.125 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 820.125$ MHz; $\sigma = 0.912$ S/m; $\epsilon_r = 42.802$; $\rho = 1000$ kg/m³

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(1222); SEMCAD X 14.6.10(7331)

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

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

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

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

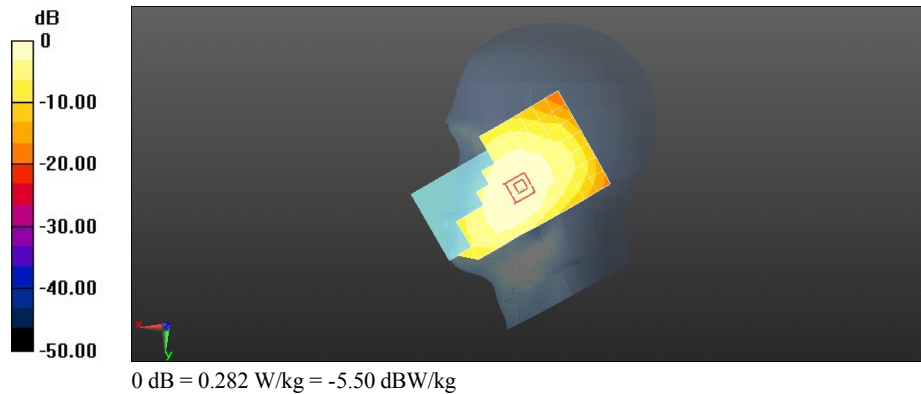
Reference Value = 8.235 V/m; Power Drift = 0.12 dB

Peak SAR (extrapolated) = 0.311 W/kg

SAR(1 g) = 0.261 W/kg; SAR(10 g) = 0.204 W/kg

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

Maximum value of SAR (measured) = 0.281 W/kg



Test Laboratory: HUAWEI SAR/HAC Lab

H1511 CDMA BC10 RC3 SO32 565CH Back Side with 15mm-Main Antenna

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

Communication System: UID 0, CDMA2000 (0); Frequency: 820.125 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 820.125$ MHz; $\sigma = 0.952$ S/m; $\epsilon_r = 55.196$; $\rho = 1000$ kg/m³

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 (9x10x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

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

Maximum value of SAR (measured) = 0.384 W/kg

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

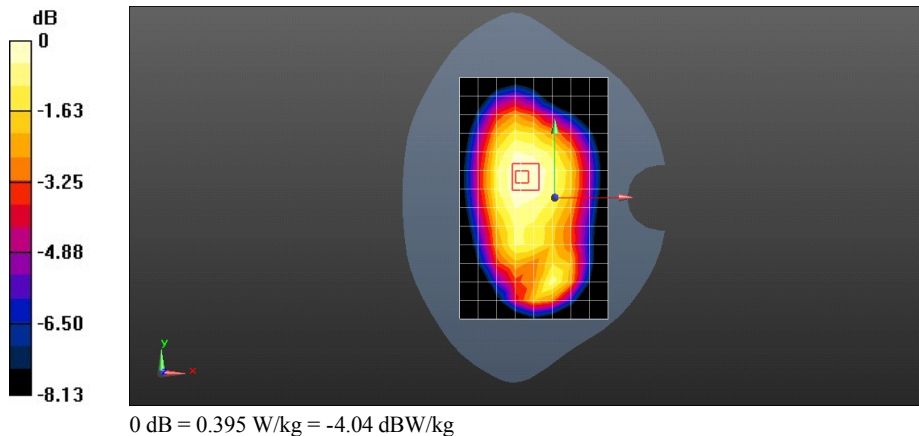
Reference Value = 19.43 V/m; Power Drift = 0.08 dB

Peak SAR (extrapolated) = 0.449 W/kg

SAR(1 g) = 0.359 W/kg; SAR(10 g) = 0.276 W/kg

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

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



Test Laboratory: HUAWEI SAR/HAC Lab

H1511 CDMA BC10 Rev.0 565CH Right Side with 10mm-Main Antenna

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

Communication System: UID 0, CDMA2000 (0); Frequency: 820.125 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 820.125$ MHz; $\sigma = 0.954$ S/m; $\epsilon_r = 54.134$; $\rho = 1000$ kg/m³

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 (7x14x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

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

Maximum value of SAR (measured) = 0.267 W/kg

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

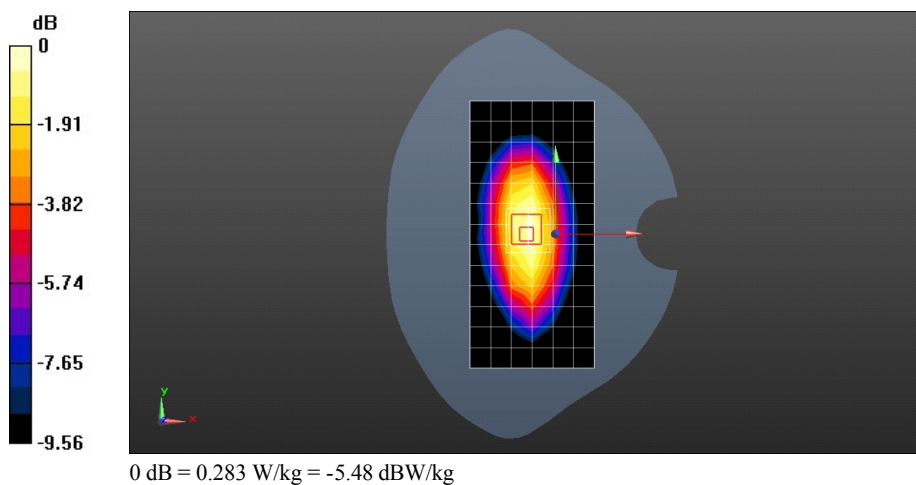
Reference Value = 16.45 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 0.353 W/kg

SAR(1 g) = 0.242 W/kg; SAR(10 g) = 0.165 W/kg

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

Maximum value of SAR (measured) = 0.283 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/m³

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

