



Appendix B. SAR Measurement Plots

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Test Laboratory: HUAWEI SAR/HAC Lab

P7-L12 GSM850 251CH Left hand touch cheek with battery 2#

DUT: P7-L12; 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; $\sigma = 0.905$ S/m; $\epsilon_r = 40.819$; $\rho = 1000$ kg/m³

Phantom section: Left Section

DASY Configuration:

- Probe: EX3DV4 - SN3744; ConvF(9.13, 9.13, 9.13); Calibrated: 2013-7-26;
- Sensor-Surface: 3mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn851; Calibrated: 2013-7-31
- Phantom: SAM4; Type: SAM; Serial: TP-1620
- DASY52 52.8.7(1137); SEMCAD X 14.6.10(7164)

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

Maximum value of SAR (measured) = 0.543 W/kg

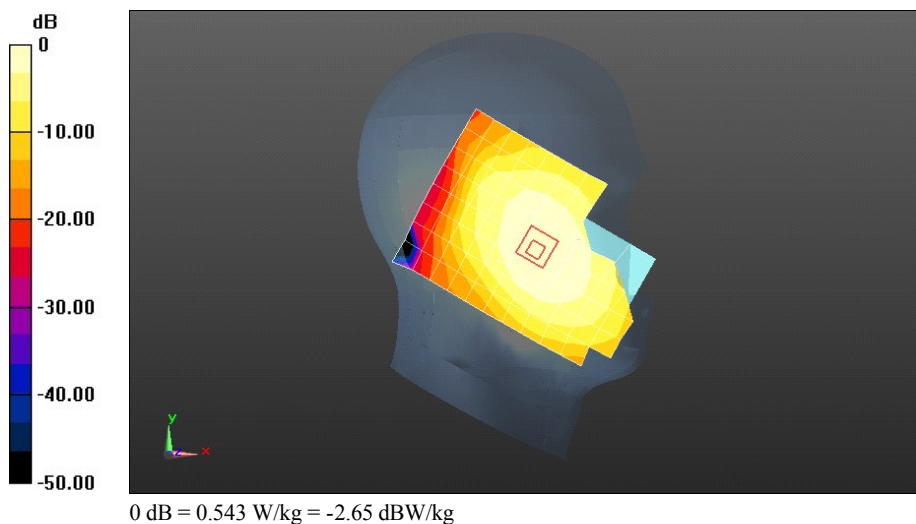
Configuration/Head/Zoom Scan (6x6x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 9.287 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 0.635 W/kg

SAR(1 g) = 0.498 W/kg; SAR(10 g) = 0.375 W/kg

Maximum value of SAR (measured) = 0.541 W/kg



Test Laboratory: HUAWEI SAR/HAC Lab

P7-L12 GSM850 190CH Back side 15mm with battery 2#

DUT: P7-L12; 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; $\sigma = 0.993$ S/m; $\epsilon_r = 54.81$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3744; ConvF(9.07, 9.07, 9.07); Calibrated: 2013-7-26;
- Sensor-Surface: 3mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn851; Calibrated: 2013-7-31
- Phantom: SAM3; Type: SAM; Serial: TP-1597
- DASY52 52.8.7(1137); SEMCAD X 14.6.10(7164)

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

Maximum value of SAR (measured) = 0.636 W/kg

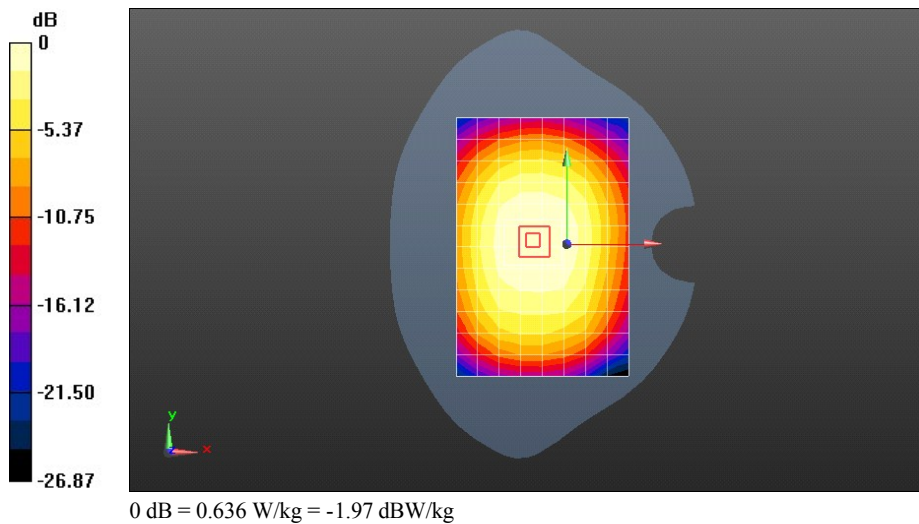
Configuration/Body/Zoom Scan (6x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 24.884 V/m; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 0.735 W/kg

SAR(1 g) = 0.591 W/kg; SAR(10 g) = 0.462 W/kg

Maximum value of SAR (measured) = 0.643 W/kg



Test Laboratory: HUAWEI SAR/HAC Lab

P7-L12 GSM850 GPRS 2TS 251CH Left Side-repeated 10mm with battery 2#

DUT: P7-L12; Type: Smart Phone; Serial: SAR2

Communication System: UID 0, HW-GSM\GPRS\EGPRS-2TS (0); Frequency: 848.8 MHz; Duty Cycle: 1:4.10015

Medium parameters used: $f = 849$ MHz; $\sigma = 1.002$ S/m; $\epsilon_r = 54.73$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3744; ConvF(9.07, 9.07, 9.07); Calibrated: 2013-7-26;
- Sensor-Surface: 3mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn851; Calibrated: 2013-7-31
- Phantom: SAM3; Type: SAM; Serial: TP-1597
- DASY52 52.8.7(1137); SEMCAD X 14.6.10(7164)

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

Maximum value of SAR (measured) = 0.924 W/kg

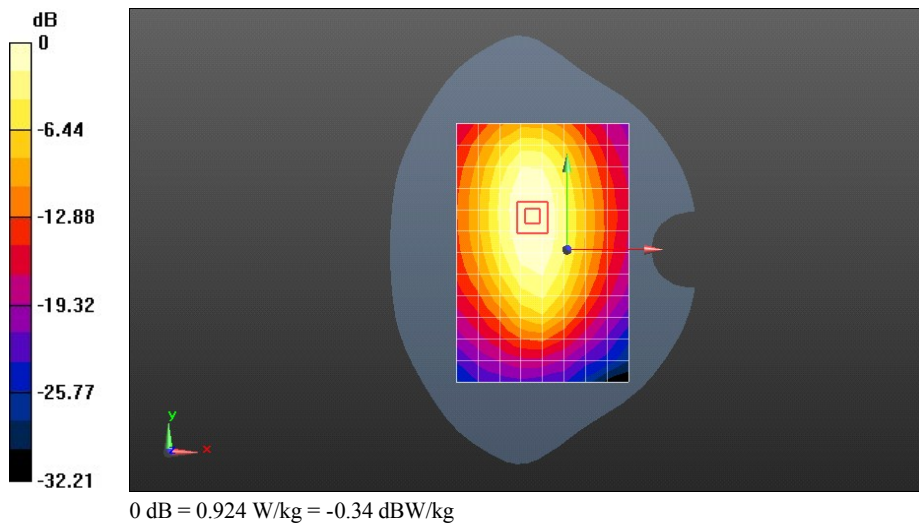
Configuration/Body/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 27.384 V/m; Power Drift = 0.07 dB

Peak SAR (extrapolated) = 1.29 W/kg

SAR(1 g) = 0.895 W/kg; SAR(10 g) = 0.610 W/kg

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



Test Laboratory: HUAWEI SAR/HAC Lab

P7-L12 GSM1900 810CH Left hand touch cheek

DUT: P7-L12; 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; $\sigma = 1.405$ S/m; $\epsilon_r = 41.23$; $\rho = 1000$ kg/m³

Phantom section: Left Section

DASY Configuration:

- Probe: EX3DV4 - SN3744; ConvF(7.57, 7.57, 7.57); Calibrated: 2013-7-26;
- Sensor-Surface: 3mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn851; Calibrated: 2013-7-31
- Phantom: SAM4; Type: SAM; Serial: TP-1620
- DASY52 52.8.7(1137); SEMCAD X 14.6.10(7164)

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

Maximum value of SAR (measured) = 0.278 W/kg

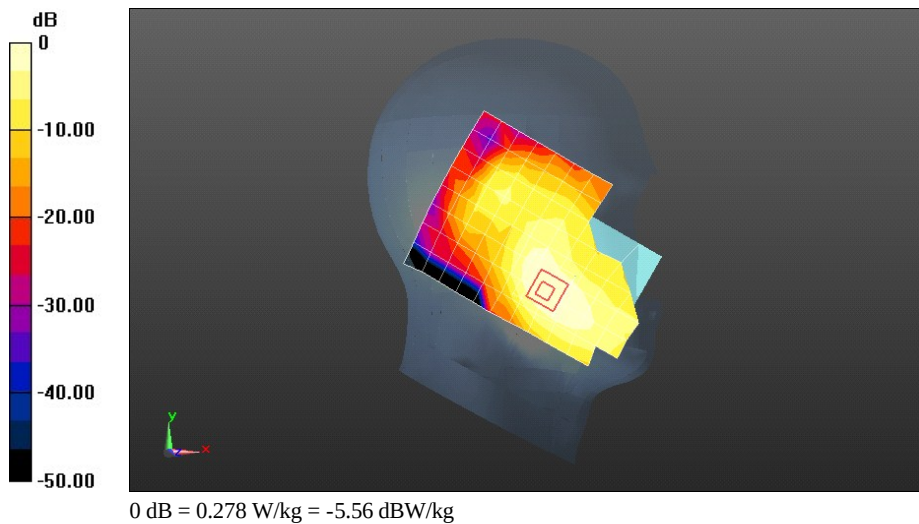
Configuration/Head/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 5.064 V/m; Power Drift = 0.10 dB

Peak SAR (extrapolated) = 0.362 W/kg

SAR(1 g) = 0.239 W/kg; SAR(10 g) = 0.151 W/kg

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



Test Laboratory: HUAWEI SAR/HAC Lab

P7-L12 GSM1900 810CH Back side 15mm with battery 2#

DUT: P7-L12; 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; $\sigma = 1.566$ S/m; $\epsilon_r = 51.126$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3744; ConvF(7.27, 7.27, 7.27); Calibrated: 2013-7-26;
- Sensor-Surface: 3mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn851; Calibrated: 2013-7-31
- Phantom: SAM3; Type: SAM; Serial: TP-1597
- DASY52 52.8.7(1137); SEMCAD X 14.6.10(7164)

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

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

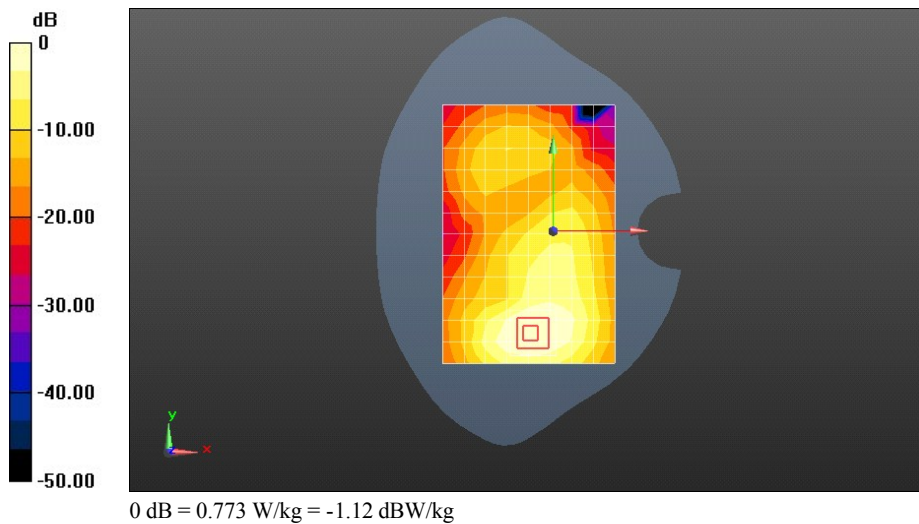
Configuration/Body/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 6.975 V/m; Power Drift = -0.14 dB

Peak SAR (extrapolated) = 1.16 W/kg

SAR(1 g) = 0.736 W/kg; SAR(10 g) = 0.442 W/kg

Maximum value of SAR (measured) = 0.881 W/kg



Test Laboratory: HUAWEI SAR/HAC Lab

P7-L12 GSM1900 GPRS 2TS 810CH Bottom side 10mm-repeated

DUT: P7-L12; Type: Smart Phone; Serial: SAR2

Communication System: UID 0, HW-GSM\GPRS\EGPRS-2TS (0); Frequency: 1909.8 MHz; Duty Cycle: 1:4.10015

Medium parameters used: $f = 1910$ MHz; $\sigma = 1.566$ S/m; $\epsilon_r = 51.126$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3744; ConvF(7.27, 7.27, 7.27); Calibrated: 2013-7-26;
- Sensor-Surface: 3mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn851; Calibrated: 2013-7-31
- Phantom: SAM3; Type: SAM; Serial: TP-1597
- DASY52 52.8.7(1137); SEMCAD X 14.6.10(7164)

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

Maximum value of SAR (measured) = 1.39 W/kg

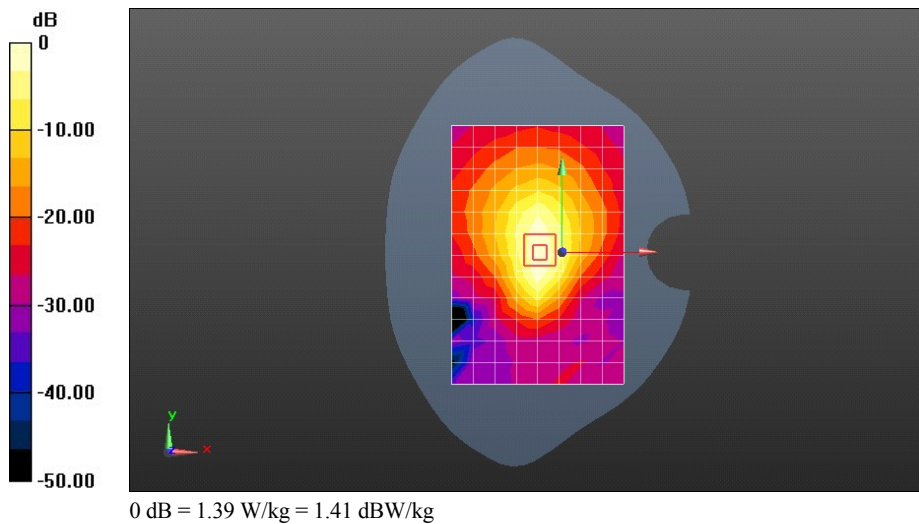
Configuration/Body/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 28.550 V/m; Power Drift = -0.12 dB

Peak SAR (extrapolated) = 1.93 W/kg

SAR(1 g) = 1.15 W/kg; SAR(10 g) = 0.626 W/kg

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



Test Laboratory: HUAWEI SAR/HAC Lab

P7-L12 UMTS Band V 4132CH Left hand touch cheek

DUT: P7-L12; Type: Smart Phone; Serial: SAR2

Communication System: UID 0, HW-UMTS-FDD(WCDMA) (0); Frequency: 826.4 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 826.4$ MHz; $\sigma = 0.885$ S/m; $\epsilon_r = 40.931$; $\rho = 1000$ kg/m³

Phantom section: Left Section

DASY Configuration:

- Probe: EX3DV4 - SN3744; ConvF(9.13, 9.13, 9.13); Calibrated: 2013-7-26;
- Sensor-Surface: 3mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn851; Calibrated: 2013-7-31
- Phantom: SAM4; Type: SAM; Serial: TP-1620
- DASY52 52.8.7(1137); SEMCAD X 14.6.10(7164)

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) = 0.382 W/kg

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

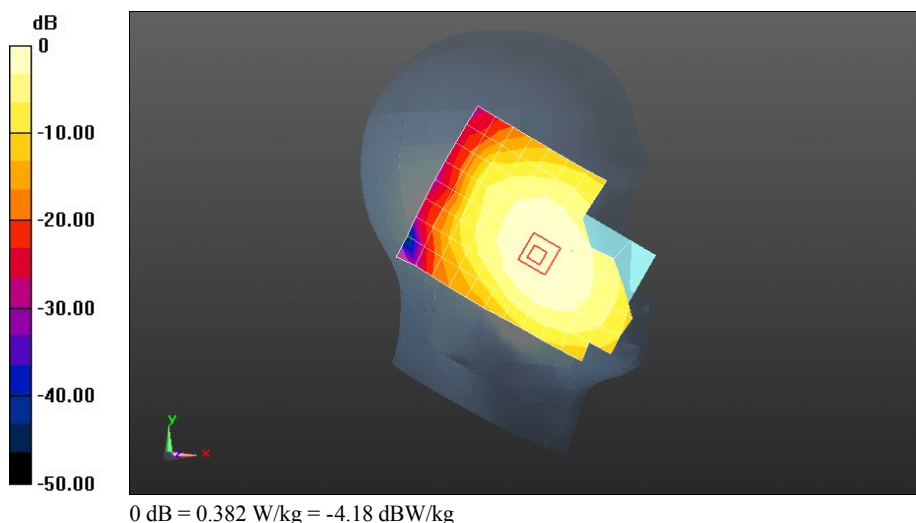
Reference Value = 8.048 V/m; Power Drift = 0.00 dB

Peak SAR (extrapolated) = 0.461 W/kg

SAR(1 g) = 0.360 W/kg; SAR(10 g) = 0.270 W/kg

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

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



Test Laboratory: HUAWEI SAR/HAC Lab

P7-L12 UMTS Band V 4182CH Back Side 15mm with battery 2#

DUT: P7-L12; 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; $\sigma = 0.988$ S/m; $\epsilon_r = 54.898$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3744; ConvF(9.07, 9.07, 9.07); Calibrated: 2013-7-26;
- Sensor-Surface: 3mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn851; Calibrated: 2013-7-31
- Phantom: SAM3; Type: SAM; Serial: TP-1597
- DASY52 52.8.7(1137); SEMCAD X 14.6.10(7164)

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) = 0.547 W/kg

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

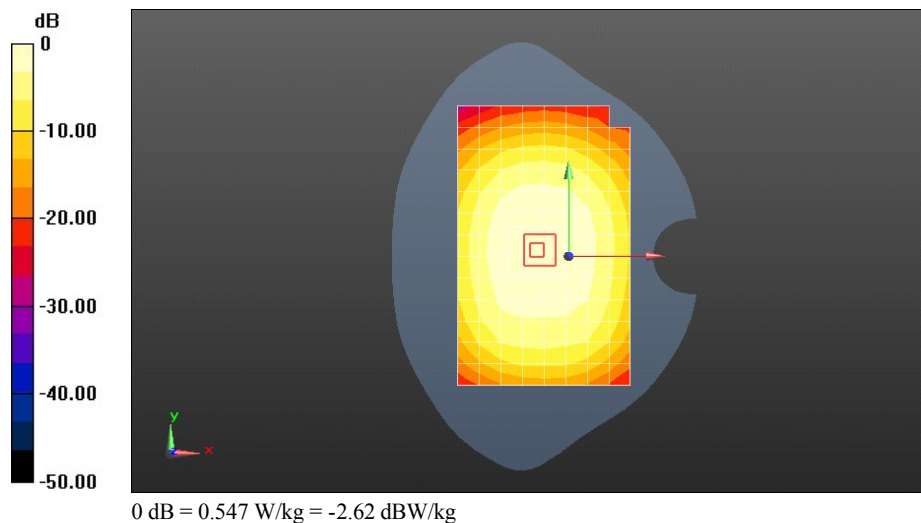
Reference Value = 23.070 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 0.633 W/kg

SAR(1 g) = 0.509 W/kg; SAR(10 g) = 0.396 W/kg

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

Maximum value of SAR (measured) = 0.554 W/kg



Test Laboratory: HUAWEI SAR/HAC Lab

P7-L12 UMTS Band V 4182CH Right Side 10mm with battery 2#

DUT: P7-L12; 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; $\sigma = 0.988$ S/m; $\epsilon_r = 54.898$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3744; ConvF(9.07, 9.07, 9.07); Calibrated: 2013-7-26;
- Sensor-Surface: 3mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn851; Calibrated: 2013-7-31
- Phantom: SAM3; Type: SAM; Serial: TP-1597
- DASY52 52.8.7(1137); SEMCAD X 14.6.10(7164)

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) = 0.775 W/kg

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

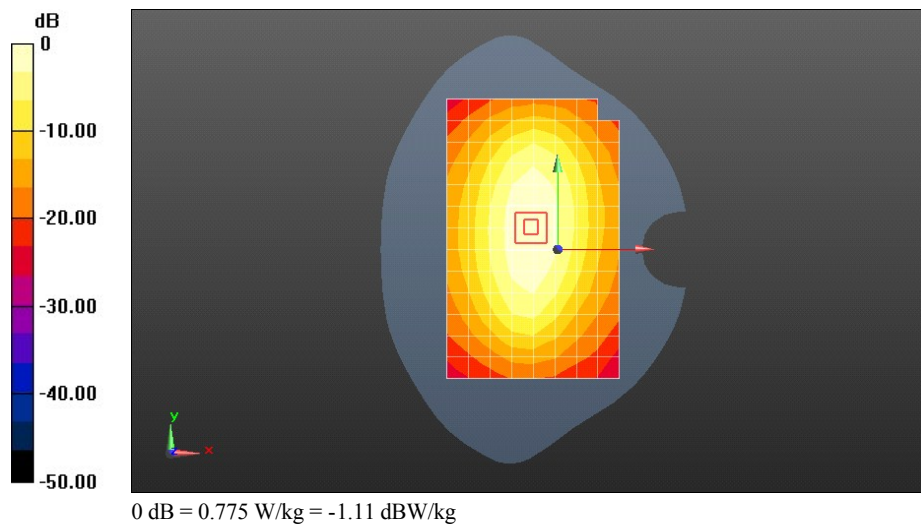
Reference Value = 25.753 V/m; Power Drift = 0.13 dB

Peak SAR (extrapolated) = 0.984 W/kg

SAR(1 g) = 0.685 W/kg; SAR(10 g) = 0.467 W/kg

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

Maximum value of SAR (measured) = 0.790 W/kg



Test Laboratory: HUAWEI SAR/HAC Lab

P7-L12 UMTS Band IV 1513CH Right hand touch cheek with battery 2#

DUT: P7-L12; 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; $\sigma = 1.32$ S/m; $\epsilon_r = 39.411$; $\rho = 1000$ kg/m³

Phantom section: Right Section

DASY Configuration:

- Probe: EX3DV4 - SN3744; ConvF(7.84, 7.84, 7.84); Calibrated: 2013-7-26;
- Sensor-Surface: 3mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn851; Calibrated: 2013-7-31
- Phantom: SAM3; Type: SAM; Serial: TP-1597
- DASY52 52.8.7(1137); SEMCAD X 14.6.10(7164)

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

Maximum value of SAR (measured) = 0.428 W/kg

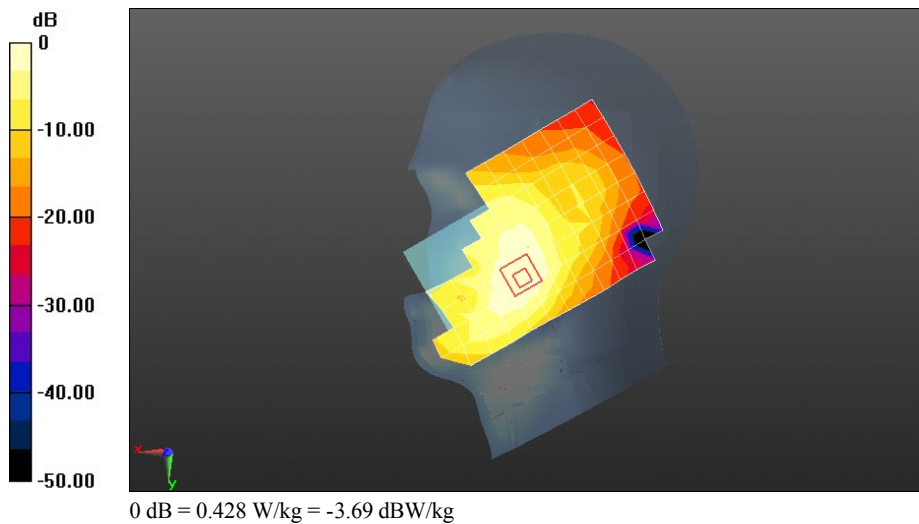
Configuration/Head/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 5.917 V/m; Power Drift = 0.16 dB

Peak SAR (extrapolated) = 0.605 W/kg

SAR(1 g) = 0.405 W/kg; SAR(10 g) = 0.256 W/kg

Maximum value of SAR (measured) = 0.471 W/kg



Test Laboratory: HUAWEI SAR/HAC Lab

P7-L12 UMTS Band IV 1413CH Back Side 15mm with battery 2#

DUT: P7-L12; 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; $\sigma = 1.488$ S/m; $\epsilon_r = 52.514$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3744; ConvF(7.48, 7.48, 7.48); Calibrated: 2013-7-26;
- Sensor-Surface: 3mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn851; Calibrated: 2013-7-31
- Phantom: SAM3; Type: SAM; Serial: TP-1597
- DASY52 52.8.7(1137); SEMCAD X 14.6.10(7164)

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

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

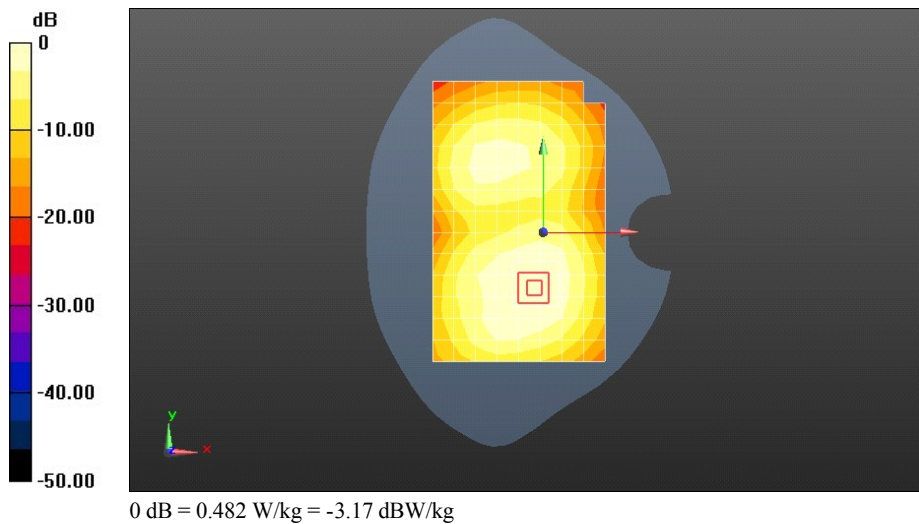
Configuration/Body/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 8.915 V/m; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 0.632 W/kg

SAR(1 g) = 0.433 W/kg; SAR(10 g) = 0.289 W/kg

Maximum value of SAR (measured) = 0.498 W/kg



Test Laboratory: HUAWEI SAR/HAC Lab

P7-L12 UMTS Band IV 1413CH Front Side 10mm

DUT: P7-L12; 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; $\sigma = 1.488$ S/m; $\epsilon_r = 52.514$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3744; ConvF(7.48, 7.48, 7.48); Calibrated: 2013-7-26;
- Sensor-Surface: 3mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn851; Calibrated: 2013-7-31
- Phantom: SAM3; Type: SAM; Serial: TP-1597
- DASY52 52.8.7(1137); SEMCAD X 14.6.10(7164)

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

Maximum value of SAR (measured) = 0.518 W/kg

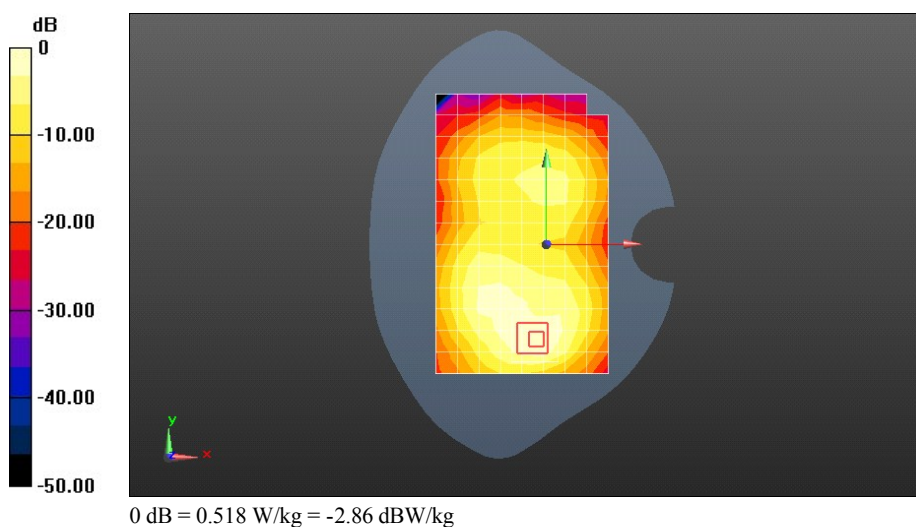
Configuration/Body/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 6.165 V/m; Power Drift = 0.12 dB

Peak SAR (extrapolated) = 0.980 W/kg

SAR(1 g) = 0.538 W/kg; SAR(10 g) = 0.279 W/kg

Maximum value of SAR (measured) = 0.693 W/kg



Test Laboratory: HUAWEI SAR/HAC Lab

P7-L12 UMTS Band II 9400CH Left hand touch cheek

DUT: P7-L12; 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; $\sigma = 1.385$ S/m; $\epsilon_r = 41.246$; $\rho = 1000$ kg/m³

Phantom section: Left Section

DASY Configuration:

- Probe: EX3DV4 - SN3744; ConvF(7.57, 7.57, 7.57); Calibrated: 2013-7-26;
- Sensor-Surface: 3mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn851; Calibrated: 2013-7-31
- Phantom: SAM4; Type: SAM; Serial: TP-1620
- DASY52 52.8.7(1137); SEMCAD X 14.6.10(7164)

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

Maximum value of SAR (measured) = 0.320 W/kg

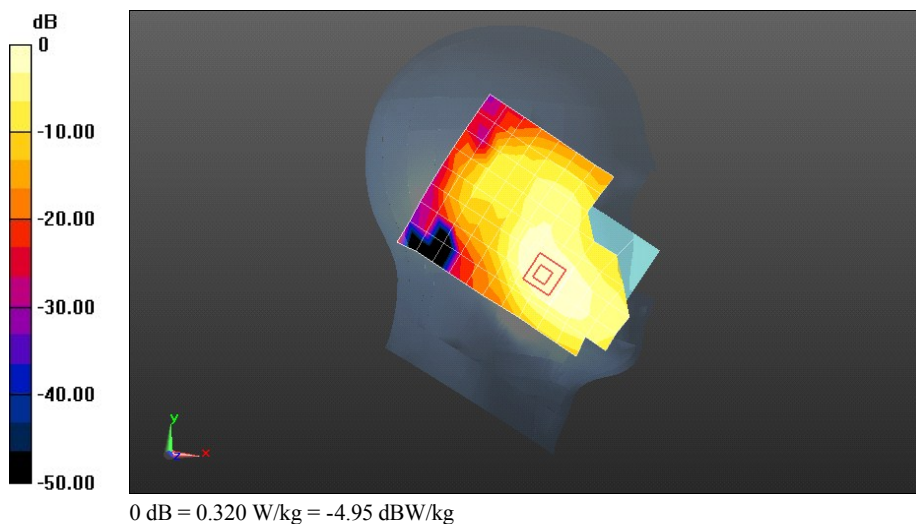
Configuration/Head/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 5.702 V/m; Power Drift = -0.18 dB

Peak SAR (extrapolated) = 0.467 W/kg

SAR(1 g) = 0.304 W/kg; SAR(10 g) = 0.190 W/kg

Maximum value of SAR (measured) = 0.359 W/kg



Test Laboratory: HUAWEI SAR/HAC Lab

P7-L12 UMTS Band II 9538CH Back Side 15mm

DUT: P7-L12; Type: Smart Phone; Serial: SAR2

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

Medium parameters used: $f = 1908$ MHz; $\sigma = 1.545$ S/m; $\epsilon_r = 51.123$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3744; ConvF(7.27, 7.27, 7.27); Calibrated: 2013-7-26;
- Sensor-Surface: 3mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn851; Calibrated: 2013-7-31
- Phantom: SAM3; Type: SAM; Serial: TP-1597
- DASY52 52.8.7(1137); SEMCAD X 14.6.10(7164)

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

Maximum value of SAR (measured) = 0.885 W/kg

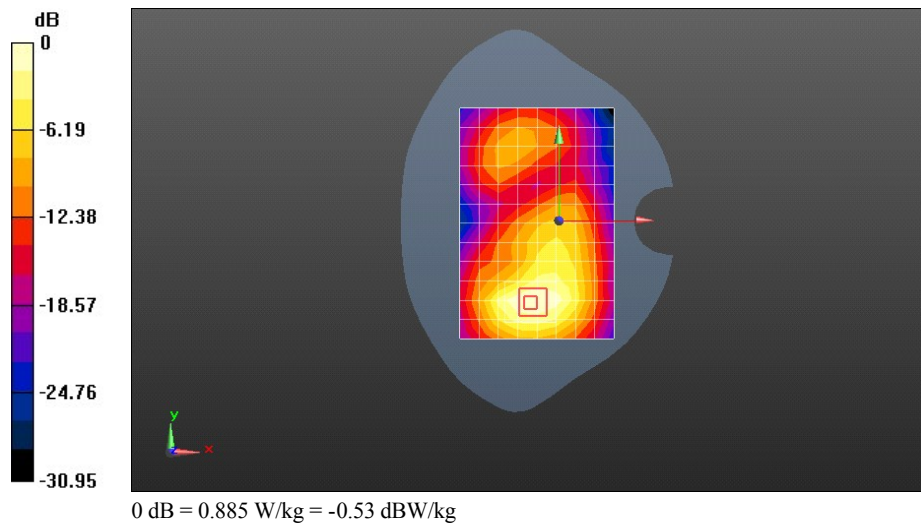
Configuration/Body/Zoom Scan (6x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 8.278 V/m; Power Drift = -0.13 dB

Peak SAR (extrapolated) = 1.20 W/kg

SAR(1 g) = 0.753 W/kg; SAR(10 g) = 0.447 W/kg

Maximum value of SAR (measured) = 0.902 W/kg



Test Laboratory: HUAWEI SAR/HAC Lab

P7-L12 UMTS Band II 9538CH Bottom Side 10mm

DUT: P7-L12; Type: Smart Phone; Serial: SAR2

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

Medium parameters used: $f = 1908$ MHz; $\sigma = 1.545$ S/m; $\epsilon_r = 51.123$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3744; ConvF(7.27, 7.27, 7.27); Calibrated: 2013-7-26;
- Sensor-Surface: 3mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn851; Calibrated: 2013-7-31
- Phantom: SAM3; Type: SAM; Serial: TP-1597
- DASY52 52.8.7(1137); SEMCAD X 14.6.10(7164)

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

Maximum value of SAR (measured) = 1.11 W/kg

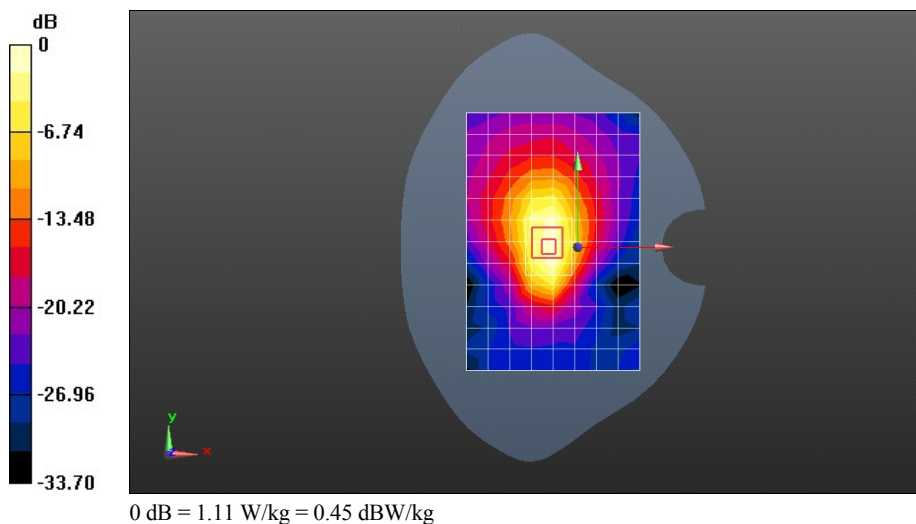
Configuration/Body/Zoom Scan (5x6x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 25.877 V/m; Power Drift = 0.16 dB

Peak SAR (extrapolated) = 1.70 W/kg

SAR(1 g) = 0.977 W/kg; SAR(10 g) = 0.527 W/kg

Maximum value of SAR (measured) = 1.21 W/kg



Test Laboratory: HUAWEI SAR/HAC Lab

P7-L12 UMTS Band II 9538CH Bottom Side 10mm-repeated

DUT: P7-L12; Type: Smart Phone; Serial: SAR2

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

Medium parameters used: $f = 1908 \text{ MHz}$; $\sigma = 1.545 \text{ S/m}$; $\epsilon_r = 51.123$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3744; ConvF(7.27, 7.27, 7.27); Calibrated: 2013-7-26;
- Sensor-Surface: 3mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn851; Calibrated: 2013-7-31
- Phantom: SAM3; Type: SAM; Serial: TP-1597
- DASY52 52.8.7(1137); SEMCAD X 14.6.10(7164)

Configuration/Body/Area Scan (9x13x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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

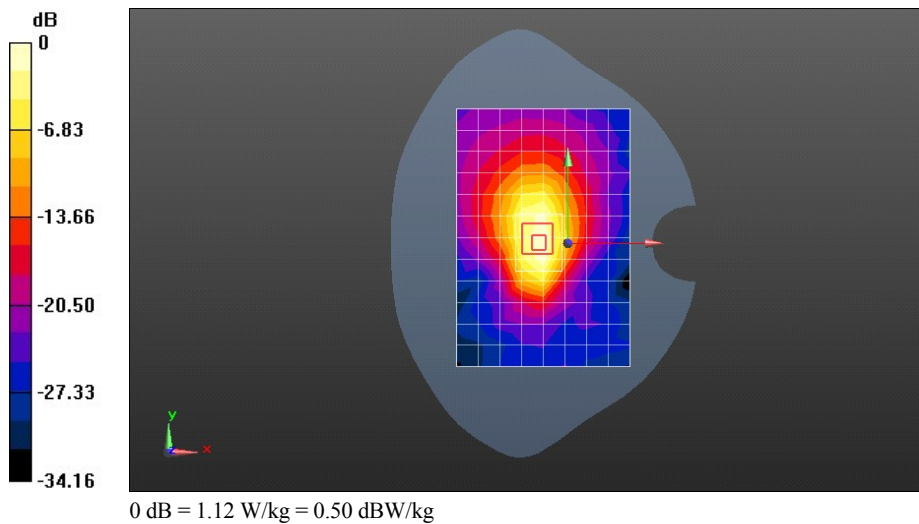
Configuration/Body/Zoom Scan (5x6x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 26.146 V/m ; Power Drift = 0.07 dB

Peak SAR (extrapolated) = 1.70 W/kg

SAR(1 g) = 0.977 W/kg ; SAR(10 g) = 0.527 W/kg

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



Test Laboratory: HUAWEI SAR/HAC Lab

P7-L12 LTE Band IV 20M QPSK 1RB#0 20300CH Right hand touch cheek with battery 2#

DUT: P7-L12; 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; $\sigma = 1.307$ S/m; $\epsilon_r = 39.339$; $\rho = 1000$ kg/m³

Phantom section: Right Section

DASY Configuration:

- Probe: EX3DV4 - SN3744; ConvF(7.84, 7.84, 7.84); Calibrated: 2013-7-26;
- Sensor-Surface: 3mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn851; Calibrated: 2013-7-31
- Phantom: SAM3; Type: SAM; Serial: TP-1597
- DASY52 52.8.7(1137); SEMCAD X 14.6.10(7164)

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

Maximum value of SAR (measured) = 0.412 W/kg

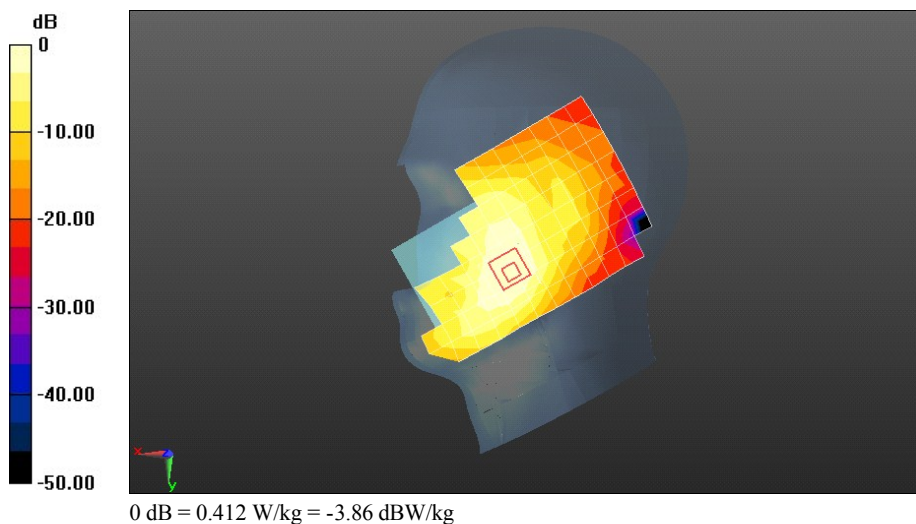
Configuration/Head/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 5.634 V/m; Power Drift = -0.13 dB

Peak SAR (extrapolated) = 0.564 W/kg

SAR(1 g) = 0.383 W/kg; SAR(10 g) = 0.246 W/kg

Maximum value of SAR (measured) = 0.444 W/kg



Test Laboratory: HUAWEI SAR/HAC Lab

P7-L12 LTE Band IV 20M QPSK 1RB#0 20300CH Back side 15mm

DUT: P7-L12; 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; $\sigma = 1.504$ S/m; $\epsilon_r = 52.334$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3744; ConvF(7.48, 7.48, 7.48); Calibrated: 2013-7-26;
- Sensor-Surface: 3mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn851; Calibrated: 2013-7-31
- Phantom: SAM3; Type: SAM; Serial: TP-1597
- DASY52 52.8.7(1137); SEMCAD X 14.6.10(7164)

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

Maximum value of SAR (measured) = 0.596 W/kg

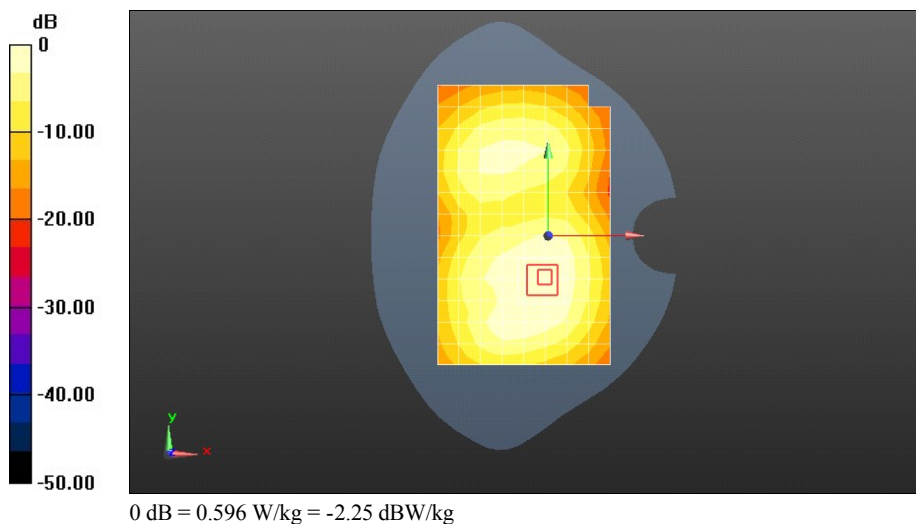
Configuration/Body/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 12.112 V/m; Power Drift = -0.10 dB

Peak SAR (extrapolated) = 0.752 W/kg

SAR(1 g) = 0.511 W/kg; SAR(10 g) = 0.339 W/kg

Maximum value of SAR (measured) = 0.585 W/kg



Test Laboratory: HUAWEI SAR/HAC Lab

P7-L12 LTE Band IV 20M QPSK 1RB#0 20300CH Front side 10mm

DUT: P7-L12; 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; $\sigma = 1.504$ S/m; $\epsilon_r = 52.334$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3744; ConvF(7.48, 7.48, 7.48); Calibrated: 2013-7-26;
- Sensor-Surface: 3mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn851; Calibrated: 2013-7-31
- Phantom: SAM3; Type: SAM; Serial: TP-1597
- DASY52 52.8.7(1137); SEMCAD X 14.6.10(7164)

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

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

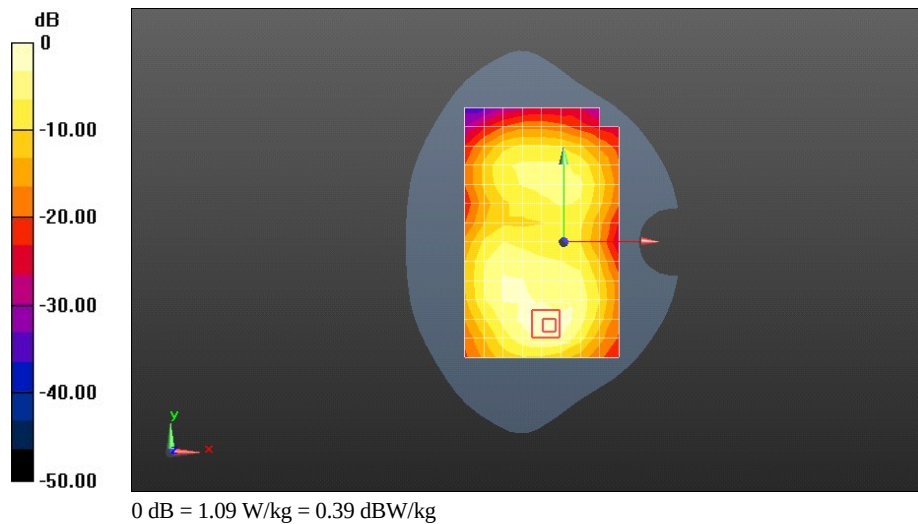
Configuration/Body/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 9.528 V/m; Power Drift = -0.09 dB

Peak SAR (extrapolated) = 1.77 W/kg

SAR(1 g) = 0.980 W/kg; SAR(10 g) = 0.509 W/kg

Maximum value of SAR (measured) = 1.26 W/kg



Test Laboratory: HUAWEI SAR/HAC Lab

P7-L12 LTE Band VII 20M QPSK 1RB#50 21100CH Left hand touch cheek

DUT: P7-L12; Type: Smart Phone; Serial: SAR2

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

Medium parameters used: $f = 2535$ MHz; $\sigma = 1.93$ S/m; $\epsilon_r = 37.852$; $\rho = 1000$ kg/m³

Phantom section: Left Section

DASY Configuration:

- Probe: EX3DV4 - SN3744; ConvF(6.74, 6.74, 6.74); Calibrated: 2013-7-26;
- Sensor-Surface: 3mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn851; Calibrated: 2013-7-31
- Phantom: SAM4; Type: SAM; Serial: TP-1620
- DASY52 52.8.7(1137); SEMCAD X 14.6.10(7164)

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

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

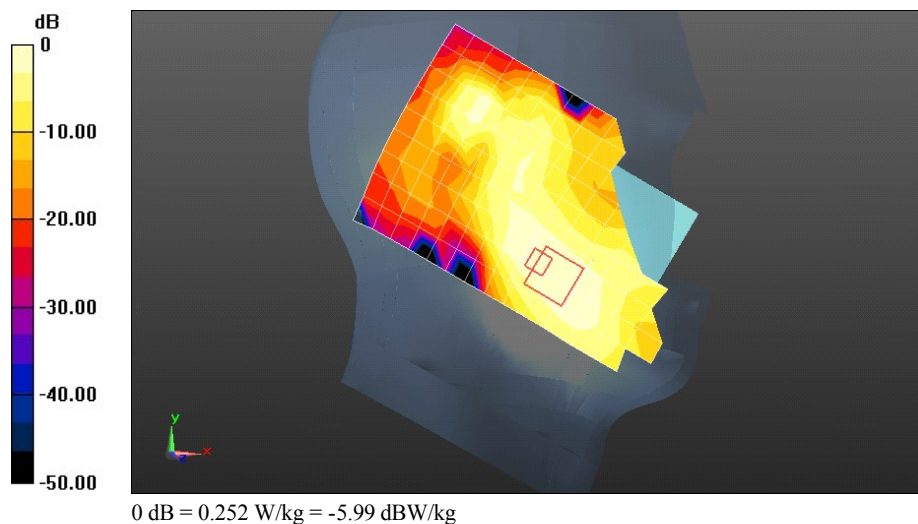
Configuration/Head/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 3.103 V/m; Power Drift = -0.10 dB

Peak SAR (extrapolated) = 0.375 W/kg

SAR(1 g) = 0.201 W/kg; SAR(10 g) = 0.109 W/kg

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



Test Laboratory: HUAWEI SAR/HAC Lab

P7-L12 LTE Band VII 20M QPSK 1RB#50 21100CH Back side 15mm

DUT: P7-L12; Type: Smart Phone; Serial: SAR2

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

Medium parameters used: $f = 2535$ MHz; $\sigma = 2.075$ S/m; $\epsilon_r = 51.204$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3744; ConvF(6.75, 6.75, 6.75); Calibrated: 2013-7-26;
- Sensor-Surface: 3mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn851; Calibrated: 2013-7-31
- Phantom: SAM3; Type: SAM; Serial: TP-1597
- DASY52 52.8.7(1137); SEMCAD X 14.6.10(7164)

Configuration/Body/Area Scan (11x17x1): Measurement grid: $dx=12$ mm, $dy=12$ mm

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

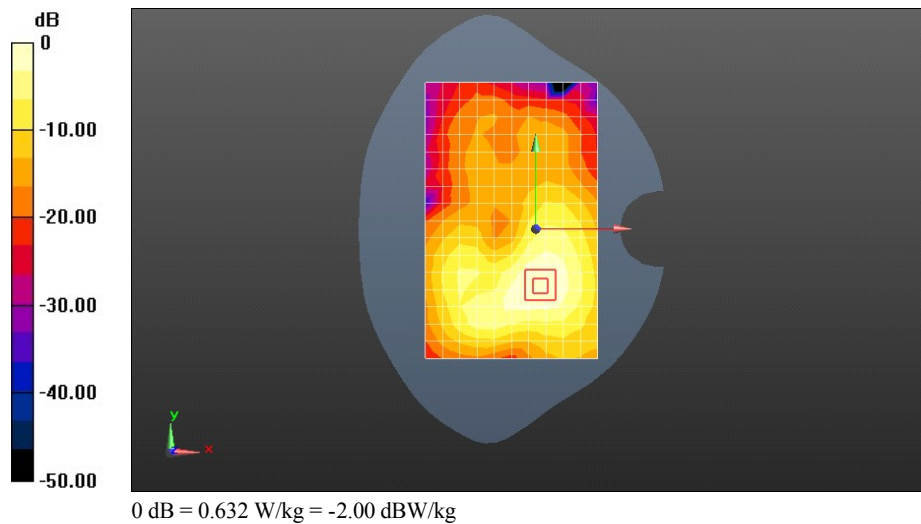
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 2.732 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 1.03 W/kg

SAR(1 g) = 0.561 W/kg; SAR(10 g) = 0.305 W/kg

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



Test Laboratory: HUAWEI SAR/HAC Lab

P7-L12 LTE Band VII 20M QPSK 1RB#50 21100CH Back side 10mm

DUT: P7-L12; Type: Smart Phone; Serial: SAR2

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

Medium parameters used: $f = 2535$ MHz; $\sigma = 2.075$ S/m; $\epsilon_r = 51.204$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3744; ConvF(6.75, 6.75, 6.75); Calibrated: 2013-7-26;
- Sensor-Surface: 3mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn851; Calibrated: 2013-7-31
- Phantom: SAM3; Type: SAM; Serial: TP-1597
- DASY52 52.8.7(1137); SEMCAD X 14.6.10(7164)

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

Maximum value of SAR (measured) = 0.635 W/kg

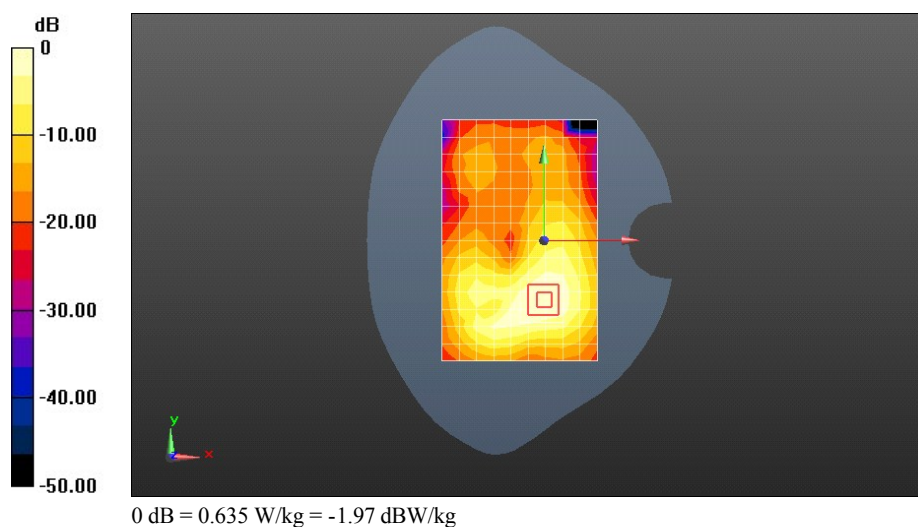
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 2.430 V/m; Power Drift = -0.13 dB

Peak SAR (extrapolated) = 1.07 W/kg

SAR(1 g) = 0.564 W/kg; SAR(10 g) = 0.295 W/kg

Maximum value of SAR (measured) = 0.712 W/kg



Test Laboratory: HUAWEI SAR/HAC Lab

P7-L12 WiFi 802.11b 11CH Left hand touch cheek

DUT: P7-L12; Type: Smart Phone; Serial: SAR2

Communication System: UID 0, WiFi(802.11a/b/g/n) (0); Frequency: 2462 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 2462$ MHz; $\sigma = 1.794$ S/m; $\epsilon_r = 39.172$; $\rho = 1000$ kg/m³

Phantom section: Left Section

DASY Configuration:

- Probe: EX3DV4 - SN3744; ConvF(6.96, 6.96, 6.96); Calibrated: 2013-7-26;
- Sensor-Surface: 3mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn851; Calibrated: 2013-7-31
- Phantom: SAM4; Type: SAM; Serial: TP-1620
- DASY52 52.8.7(1137); SEMCAD X 14.6.10(7164)

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

Maximum value of SAR (measured) = 0.728 W/kg

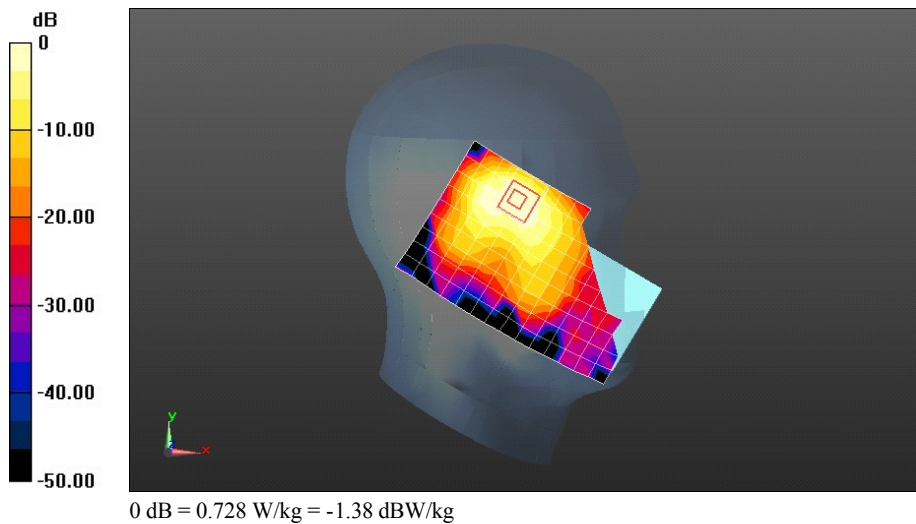
Configuration/Head/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 7.632 V/m; Power Drift = 0.15 dB

Peak SAR (extrapolated) = 1.83 W/kg

SAR(1 g) = 0.793 W/kg; SAR(10 g) = 0.343 W/kg

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



Test Laboratory: HUAWEI SAR/HAC Lab

P7-L12 WiFi 802.11b 11CH Back side 15mm

DUT: P7-L12; Type: Smart Phone; Serial: SAR2

Communication System: UID 0, WiFi(802.11a/b/g/n) (0); Frequency: 2462 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 2462$ MHz; $\sigma = 1.976$ S/m; $\epsilon_r = 50.696$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3744; ConvF(6.91, 6.91, 6.91); Calibrated: 2013-7-26;
- Sensor-Surface: 3mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn851; Calibrated: 2013-7-31
- Phantom: SAM3; Type: SAM; Serial: TP-1597
- DASY52 52.8.7(1137); SEMCAD X 14.6.10(7164)

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

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

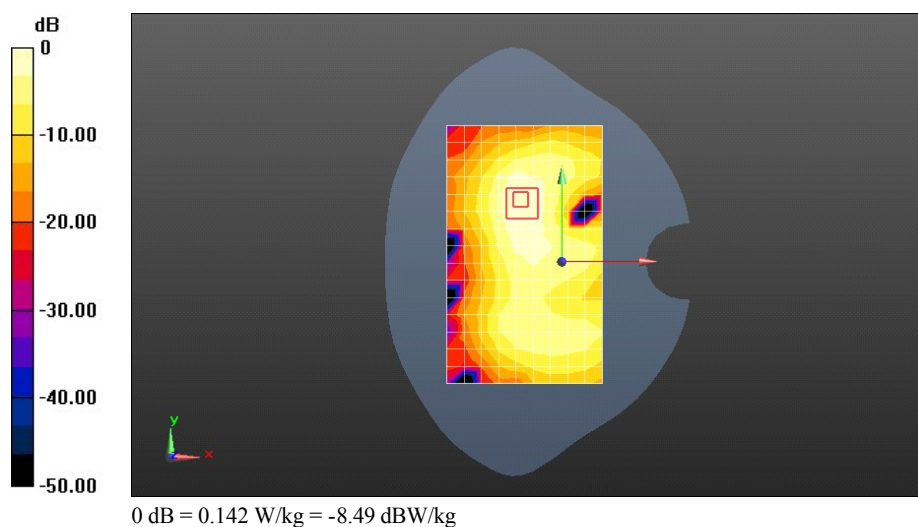
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 5.479 V/m; Power Drift = 0.16 dB

Peak SAR (extrapolated) = 0.223 W/kg

SAR(1 g) = 0.121 W/kg; SAR(10 g) = 0.064 W/kg

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



Test Laboratory: HUAWEI SAR/HAC Lab

P7-L12 WiFi 802.11b 11CH Back side 10mm

DUT: P7-L12; Type: Smart Phone; Serial: SAR2

Communication System: UID 0, WiFi(802.11a/b/g/n) (0); Frequency: 2462 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 2462$ MHz; $\sigma = 1.976$ S/m; $\epsilon_r = 50.696$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3744; ConvF(6.91, 6.91, 6.91); Calibrated: 2013-7-26;
- Sensor-Surface: 3mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn851; Calibrated: 2013-7-31
- Phantom: SAM3; Type: SAM; Serial: TP-1597
- DASY52 52.8.7(1137); SEMCAD X 14.6.10(7164)

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

Maximum value of SAR (measured) = 0.300 W/kg

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

Reference Value = 7.126 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 0.502 W/kg

SAR(1 g) = 0.262 W/kg; SAR(10 g) = 0.129 W/kg

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

