



Appendix B. SAR Measurement Plots

Table of contents
GSM850 Body
GSM1900 Body
UMTS Band V Body
UMTS Band IV Body
UMTS Band II Body
LTE Band II Body
LTE Band IV Body
LTE Band V Body
LTE Band VII Body
WiFi 2450 MHz Body

Test Laboratory: HUAWEI SAR/HAC Lab

E5377Bs-508 GSM850 GPRS 2TS 251CH Back side 10mm with battery 2#

DUT: E5377Bs-508; Type: Mobile WiFi; Serial: SAR1

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; $\sigma = 1.003$ S/m; $\epsilon_r = 53.871$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: ES3DV3 - SN3168; ConvF(6.06, 6.06, 6.06); Calibrated: 2013-9-30;
- Sensor-Surface: 3mm (Mechanical Surface Detection), $z = 2.0, 32.0$
- Electronics: DAE4 Sn1236; Calibrated: 2013-11-25
- Phantom: SAM2; Type: SAM; Serial: TP:1474
- DASY52 52.8.7(1137); SEMCAD X 14.6.10(7164)

Configuration/Body/Area Scan (9x11x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

Maximum value of SAR (measured) = 1.25 W/kg

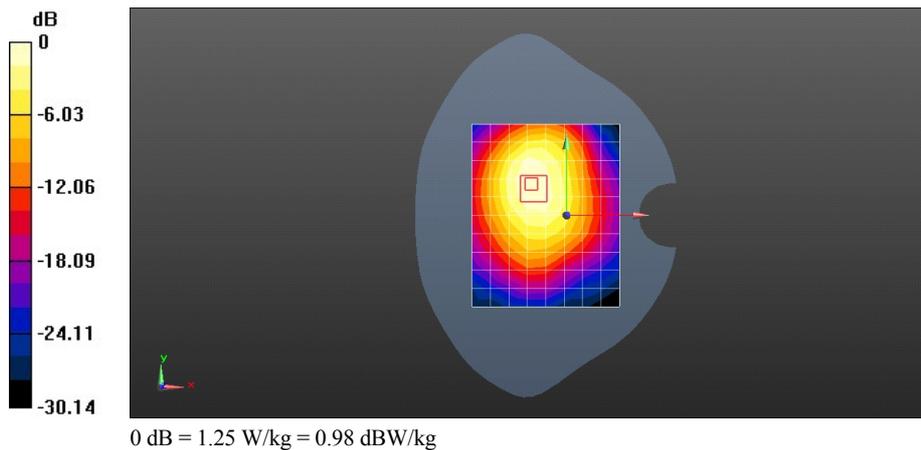
Configuration/Body/Zoom Scan (6x6x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 26.631 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 1.66 W/kg

SAR(1 g) = 1.09 W/kg; SAR(10 g) = 0.723 W/kg

Maximum value of SAR (measured) = 1.28 W/kg



Test Laboratory: HUAWEI SAR/HAC Lab

E5377Bs-508 GSM1900 GPRS 2TS 810CH Front side 10mm with battery 2#

DUT: E5377Bs-508; Type: Mobile WiFi; Serial: SAR1

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

Medium parameters used: $f = 1910$ MHz; $\sigma = 1.497$ S/m; $\epsilon_r = 53.889$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: ES3DV3 - SN3168; ConvF(4.72, 4.72, 4.72); Calibrated: 2013-9-30;
- Sensor-Surface: 3mm (Mechanical Surface Detection), $z = 2.0, 32.0$
- Electronics: DAE4 Sn1236; Calibrated: 2013-11-25
- Phantom: SAM1; Type: SAM; Serial: TP-1475
- DASY52 52.8.7(1137); SEMCAD X 14.6.10(7164)

Configuration/Body/Area Scan (9x11x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

Maximum value of SAR (measured) = 0.839 W/kg

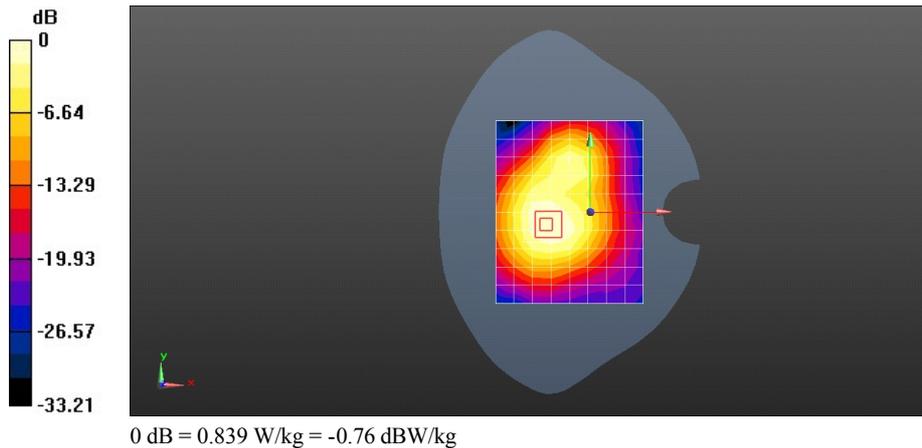
Configuration/Body/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 17.548 V/m; Power Drift = 0.10 dB

Peak SAR (extrapolated) = 1.12 W/kg

SAR(1 g) = 0.763 W/kg; SAR(10 g) = 0.494 W/kg

Maximum value of SAR (measured) = 0.886 W/kg



Test Laboratory: HUAWEI SAR/HAC Lab

E5377Bs-508 UMTS Band V 4182CH Front side 10mm with battery 2#

DUT: E5377Bs-508; Type: Mobile WiFi; Serial: SAR1

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; $\sigma = 0.99$ S/m; $\epsilon_r = 54.023$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: ES3DV3 - SN3168; ConvF(6.06, 6.06, 6.06); Calibrated: 2013-9-30;
- Sensor-Surface: 3mm (Mechanical Surface Detection), $z = 2.0, 32.0$
- Electronics: DAE4 Sn1236; Calibrated: 2013-11-25
- Phantom: SAM2; Type: SAM; Serial: TP:1474
- DASY52 52.8.7(1137); SEMCAD X 14.6.10(7164)

Configuration/Body/Area Scan (9x11x1): Measurement grid: dx=15mm, dy=15mm

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

Maximum value of SAR (measured) = 0.735 W/kg

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

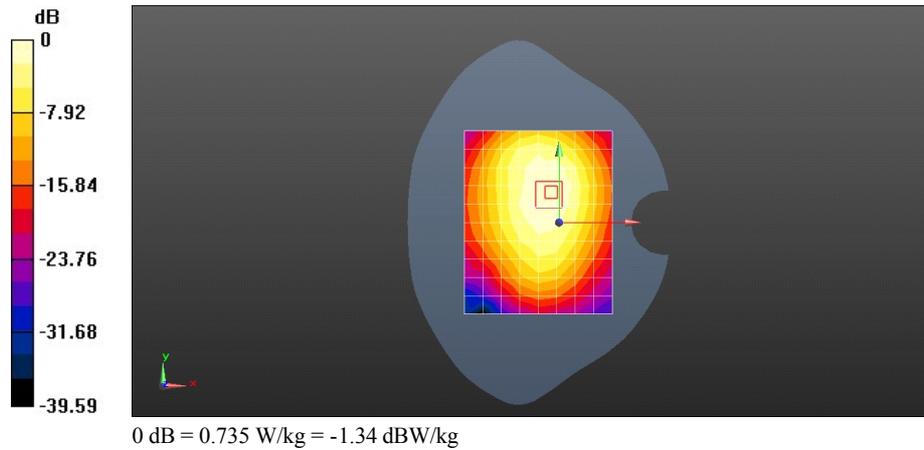
Reference Value = 21.993 V/m; Power Drift = 0.14 dB

Peak SAR (extrapolated) = 1.04 W/kg

SAR(1 g) = 0.695 W/kg; SAR(10 g) = 0.464 W/kg

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

Maximum value of SAR (measured) = 0.807 W/kg



Test Laboratory: HUAWEI SAR/HAC Lab

E5377Bs-508 UMTS Band IV 1513CH Front side 10mm

DUT: E5377Bs-508; Type: Mobile WiFi; Serial: SAR1

Communication System: UID 0, HW-UMTS-FDD(WCDMA) (0); Frequency: 1752.6 MHz;Duty Cycle: 1:1

Medium parameters used: $f = 1753$ MHz; $\sigma = 1.523$ S/m; $\epsilon_r = 51.653$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: ES3DV3 - SN3168; ConvF(4.94, 4.94, 4.94); Calibrated: 2013-9-30;
- Sensor-Surface: 3mm (Mechanical Surface Detection), $z = 2.0, 32.0$
- Electronics: DAE4 Sn1236; Calibrated: 2013-11-25
- Phantom: SAM2; Type: SAM; Serial: TP:1474
- DASY52 52.8.7(1137); SEMCAD X 14.6.10(7331)

Configuration/Body/Area Scan (9x11x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

Maximum value of SAR (measured) = 0.843 W/kg

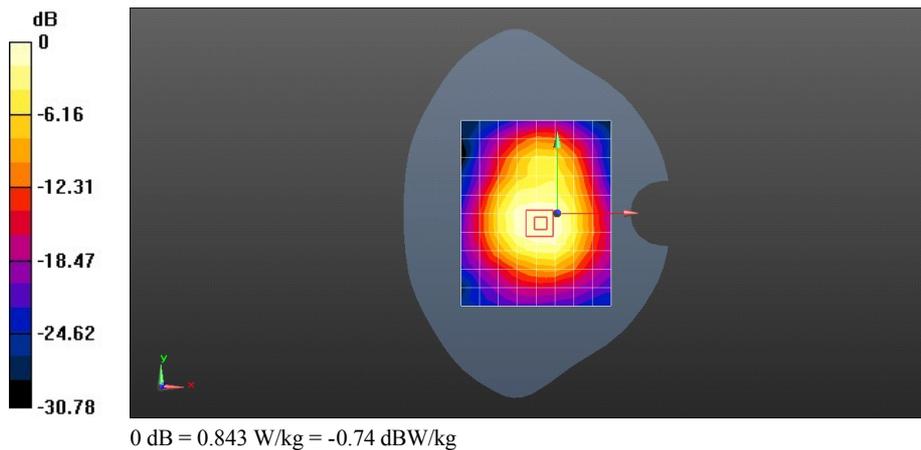
Configuration/Body/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 23.22 V/m; Power Drift = -0.12 dB

Peak SAR (extrapolated) = 1.18 W/kg

SAR(1 g) = 0.799 W/kg; SAR(10 g) = 0.517 W/kg

Maximum value of SAR (measured) = 0.919 W/kg



Test Laboratory: HUAWEI SAR/HAC Lab

E5377Bs-508 UMTS Band II 9400CH Front side 10mm with battery 2#

DUT: E5377Bs-508; Type: Mobile WiFi; Serial: SAR1

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

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.469$ S/m; $\epsilon_r = 53.955$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: ES3DV3 - SN3168; ConvF(4.72, 4.72, 4.72); Calibrated: 2013-9-30;
- Sensor-Surface: 3mm (Mechanical Surface Detection), $z = 2.0, 32.0$
- Electronics: DAE4 Sn1236; Calibrated: 2013-11-25
- Phantom: SAM1; Type: SAM; Serial: TP:1475
- DASY52 52.8.7(1137); SEMCAD X 14.6.10(7331)

Configuration/Body/Area Scan (9x11x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

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

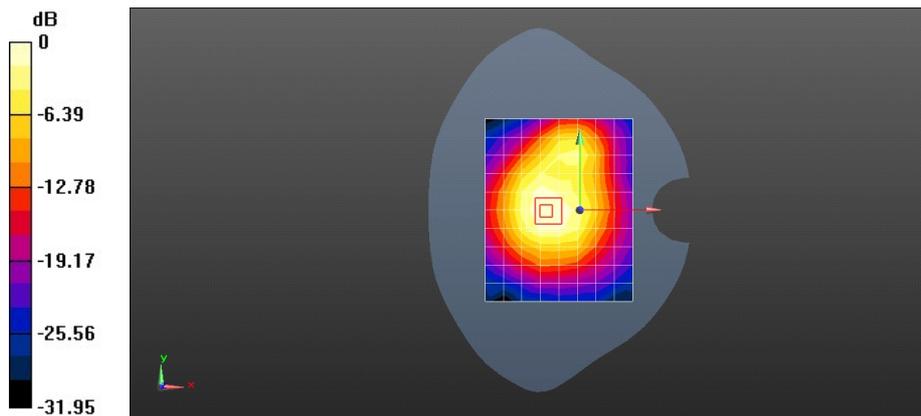
Configuration/Body/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 24.30 V/m; Power Drift = 0.07 dB

Peak SAR (extrapolated) = 1.34 W/kg

SAR(1 g) = 0.901 W/kg; SAR(10 g) = 0.578 W/kg

Maximum value of SAR (measured) = 1.05 W/kg



Test Laboratory: HUAWEI SAR/HAC Lab

E5377Bs-508 LTE Band II 20M QPSK 50%RB#0 18900CH Front side 10mm

DUT: E5377Bs-508; Type: Mobile WiFi; Serial: SAR1

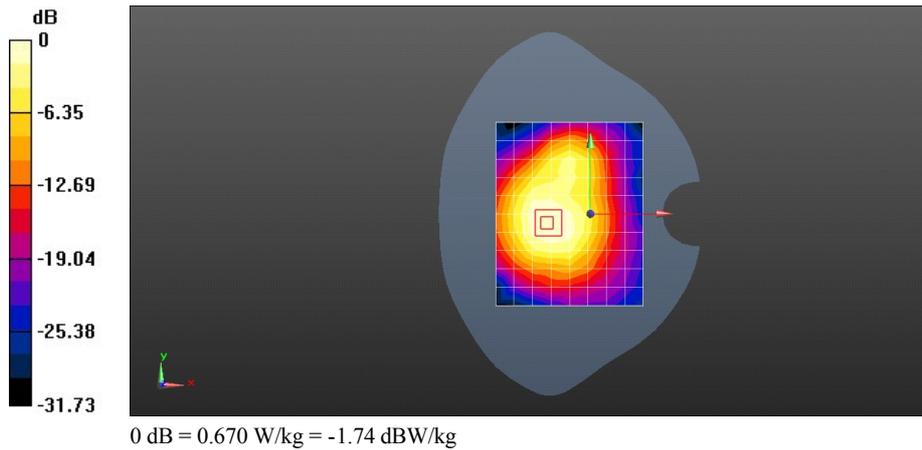
Communication System: UID 0, LTE-FDD (SC-FDMA, 20MHz, QPSK/16-QAM) (0); Frequency: 1880 MHz;Duty Cycle: 1:1
 Medium parameters used: $f = 1880$ MHz; $\sigma = 1.469$ S/m; $\epsilon_r = 53.955$; $\rho = 1000$ kg/m³
 Phantom section: Flat Section

DASY Configuration:

- Probe: ES3DV3 - SN3168; ConvF(4.72, 4.72, 4.72); Calibrated: 2013-9-30;
- Sensor-Surface: 3mm (Mechanical Surface Detection), $z = 2.0, 32.0$
- Electronics: DAE4 Sn1236; Calibrated: 2013-11-25
- Phantom: SAM1; Type: SAM; Serial: TP-1475
- DASY52 52.8.7(1137); SEMCAD X 14.6.10(7164)

Configuration/Body/Area Scan (9x11x1): Measurement grid: $dx=15$ mm, $dy=15$ mm
 Maximum value of SAR (measured) = 0.670 W/kg

Configuration/Body/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm
 Reference Value = 17.272 V/m; Power Drift = 0.17 dB
 Peak SAR (extrapolated) = 0.949 W/kg
SAR(1 g) = 0.645 W/kg; SAR(10 g) = 0.421 W/kg
 Maximum value of SAR (measured) = 0.745 W/kg



Test Laboratory: HUAWEI SAR/HAC Lab

E5377Bs-508 LTE Band IV 20M QPSK 1RB#99 20050CH Back side 10mm

DUT: E5377Bs-508; Type: Mobile WiFi; Serial: SAR1

Communication System: UID 0, LTE-FDD (SC-FDMA, 20MHz, QPSK/16-QAM) (0); Frequency: 1720 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 1720$ MHz; $\sigma = 1.488$ S/m; $\epsilon_r = 51.75$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: ES3DV3 - SN3168; ConvF(4.94, 4.94, 4.94); Calibrated: 2013-9-30;
- Sensor-Surface: 3mm (Mechanical Surface Detection), $z = 2.0, 32.0$
- Electronics: DAE4 Sn1236; Calibrated: 2013-11-25
- Phantom: SAM2; Type: SAM; Serial: TP:1474
- DASY52 52.8.7(1137); SEMCAD X 14.6.10(7331)

Configuration/Body/Area Scan (9x11x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

Maximum value of SAR (measured) = 0.831 W/kg

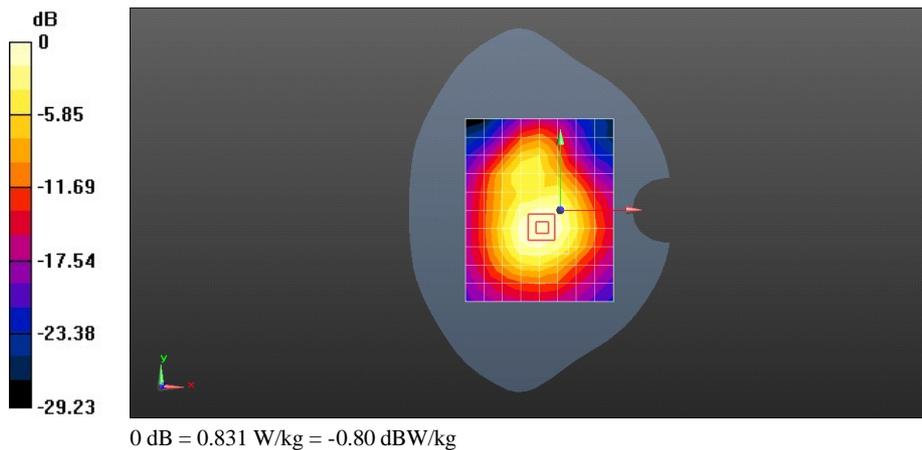
Configuration/Body/Zoom Scan (6x6x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 19.74 V/m; Power Drift = 0.13 dB

Peak SAR (extrapolated) = 1.08 W/kg

SAR(1 g) = 0.741 W/kg; SAR(10 g) = 0.483 W/kg

Maximum value of SAR (measured) = 0.839 W/kg



Test Laboratory: HUAWEI SAR/HAC Lab

E5377Bs-508 LTE Band V 10M QPSK 1RB#49 20525CH Back side 10mm

DUT: E5377Bs-508; Type: Mobile WiFi; Serial: SAR1

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; $\sigma = 0.99$ S/m; $\epsilon_r = 54.021$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: ES3DV3 - SN3168; ConvF(6.06, 6.06, 6.06); Calibrated: 2013-9-30;
- Sensor-Surface: 3mm (Mechanical Surface Detection), $z = 2.0, 32.0$
- Electronics: DAE4 Sn1236; Calibrated: 2013-11-25
- Phantom: SAM2; Type: SAM; Serial: TP:1474
- DASY52 52.8.7(1137); SEMCAD X 14.6.10(7164)

Configuration/Body/Area Scan (9x11x1): Measurement grid: dx=15mm, dy=15mm

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

Maximum value of SAR (measured) = 1.20 W/kg

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

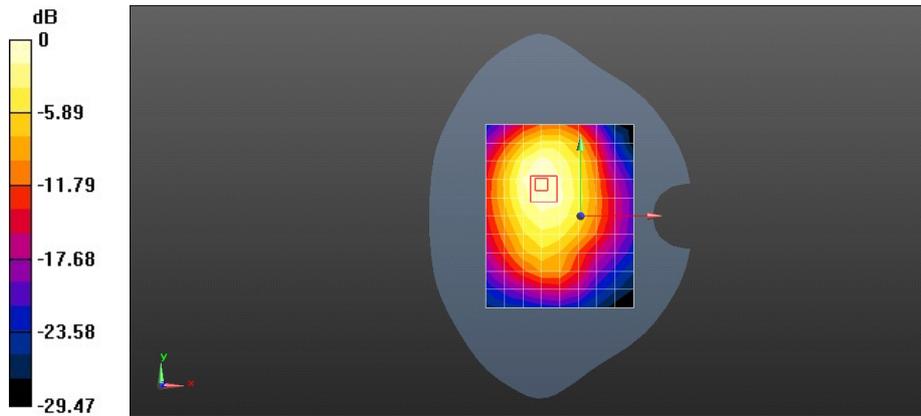
Reference Value = 24.796 V/m; Power Drift = 0.16 dB

Peak SAR (extrapolated) = 1.59 W/kg

SAR(1 g) = 1.04 W/kg; SAR(10 g) = 0.686 W/kg

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

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



0 dB = 1.20 W/kg = 0.80 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

E5377Bs-508 LTE Band VII 5M QPSK 1RB#24 20775CH Right Side 10mm

DUT: E5377Bs-508; Type: Mobile WiFi; Serial: SAR1

Communication System: UID 0, LTE-FDD (SC-FDMA, 5MHz, QPSK/16-QAM) (0); Frequency: 2502.5 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 2502.5$ MHz; $\sigma = 2.11$ S/m; $\epsilon_r = 50.998$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: ES3DV3 - SN3168; ConvF(4.1, 4.1, 4.1); Calibrated: 2013-9-30;
- Sensor-Surface: 3mm (Mechanical Surface Detection), $z = 2.0, 32.0$
- Electronics: DAE4 Sn1236; Calibrated: 2013-11-25
- Phantom: SAM1; Type: SAM; Serial: TP-1475
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

Configuration/Body/Area Scan (7x9x1): Measurement grid: $dx=12$ mm, $dy=12$ mm

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

Maximum value of SAR (measured) = 1.35 W/kg

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

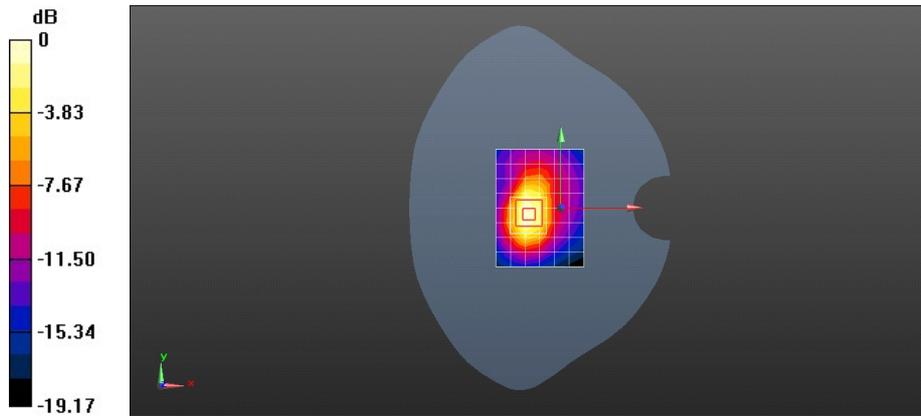
Reference Value = 18.94 V/m; Power Drift = -0.17 dB

Peak SAR (extrapolated) = 2.44 W/kg

SAR(1 g) = 1.2 W/kg; SAR(10 g) = 0.572 W/kg

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

Maximum value of SAR (measured) = 1.56 W/kg



Test Laboratory: HUAWEI SAR/HAC Lab

E5377Bs-508 WiFi 802.11b 5CH Front Side 10mm-ANT2

DUT: E5377Bs-508; Type: Mobile WiFi; Serial: SAR1

Communication System: UID 0, WiFi(802.11a/b/g/n/ac) (0); Frequency: 2432 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 2432$ MHz; $\sigma = 1.974$ S/m; $\epsilon_r = 51.987$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: ES3DV3 - SN3168; ConvF(4.25, 4.25, 4.25); Calibrated: 2013-9-30;
- Sensor-Surface: 3mm (Mechanical Surface Detection), $z = 2.0, 32.0$
- Electronics: DAE4 Sn1236; Calibrated: 2013-11-25
- Phantom: SAM1; Type: SAM; Serial: TP-1475
- DASY52 52.8.7(1137); SEMCAD X 14.6.10(7164)

Configuration/Body/Area Scan (9x11x1): Measurement grid: $dx=12$ mm, $dy=12$ mm

Maximum value of SAR (measured) = 0.336 W/kg

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

Reference Value = 3.877 V/m; Power Drift = 0.06 dB

Peak SAR (extrapolated) = 0.580 W/kg

SAR(1 g) = 0.288 W/kg; SAR(10 g) = 0.144 W/kg

Maximum value of SAR (measured) = 0.369 W/kg

