



Appendix B. SAR Measurement Plots

Table of contents
GSM850 Body
GSM1900 Body
WiFi 2450 MHz Body

Test Laboratory: HUAWEI SAR/HAC Lab

R207 GSM850 GPRS 2TS 190CH Back Side 10mm

DUT: R207; Type: Mobile WiFi; Serial: SAR1

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; $\sigma = 0.947$ S/m; $\epsilon_r = 54.042$; $\rho = 1000$ 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: SAM1; Type: SAM; Serial: TP-1475
- DASY52 52.8.7(1137); SEMCAD X 14.6.10(7164)

Configuration/Body/Area Scan (8x10x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

Maximum value of SAR (measured) = 0.695 W/kg

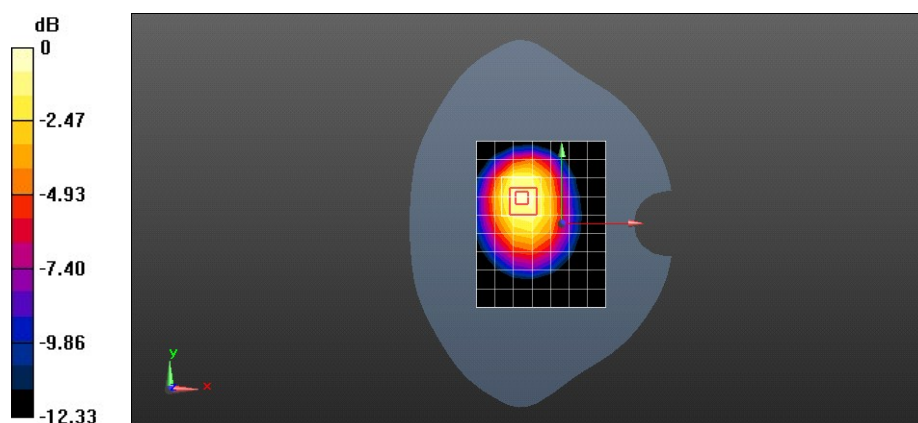
Configuration/Body/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 21.588 V/m; Power Drift = 0.10 dB

Peak SAR (extrapolated) = 0.973 W/kg

SAR(1 g) = 0.657 W/kg; SAR(10 g) = 0.443 W/kg

Maximum value of SAR (measured) = 0.763 W/kg



0 dB = 0.763 W/kg = -1.18 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

R207 GSM1900 GPRS 2TS 661CH Back Side 10mm with battery 2#

DUT: R207; Type: Mobile WiFi; Serial: SAR1

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

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.547$ S/m; $\epsilon_r = 51.744$; $\rho = 1000$ 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 (8x10x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

Maximum value of SAR (measured) = 0.466 W/kg

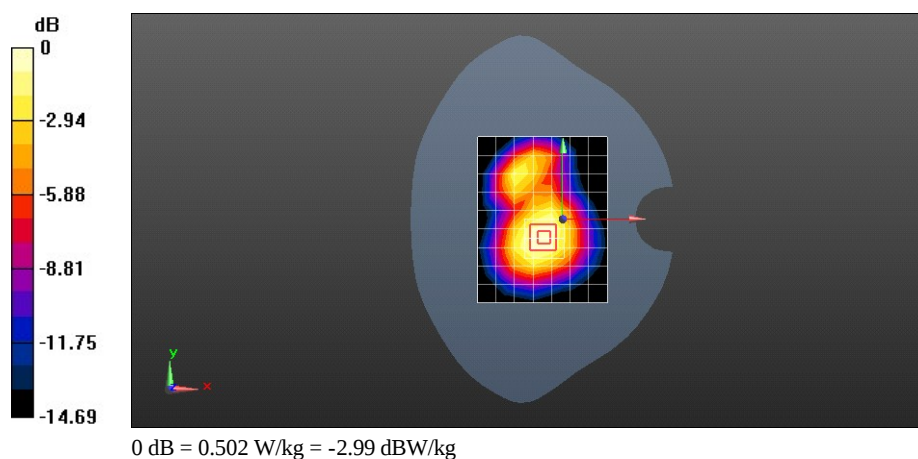
Configuration/Body/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 15.164 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 0.631 W/kg

SAR(1 g) = 0.434 W/kg; SAR(10 g) = 0.282 W/kg

Maximum value of SAR (measured) = 0.502 W/kg



Test Laboratory: HUAWEI SAR/HAC Lab

R207 WiFi 802.11b 1CH Front Side 10mm

DUT: R207; Type: Mobile WiFi; Serial: SAR1

Communication System: UID 0, WiFi(802.11a/b/g/n/ac) (0); Frequency: 2412 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 2412$ MHz; $\sigma = 1.96$ S/m; $\epsilon_r = 52.06$; $\rho = 1000$ 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 (9x12x1): Measurement grid: $dx=12$ mm, $dy=12$ mm

Maximum value of SAR (measured) = 0.245 W/kg

Configuration/Body/Zoom Scan (8x8x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 3.295 V/m; Power Drift = 0.16 dB

Peak SAR (extrapolated) = 0.424 W/kg

SAR(1 g) = 0.216 W/kg; SAR(10 g) = 0.110 W/kg

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

