



Appendix B. SAR Measurement Plots

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UMTS Band V Body

Test Laboratory: HUAWEI SAR/HAC Lab

HW-02G UMTS Band V 4233CH Back Side 10mm with battery 2#

DUT: HW-02G; Type: Mobile WiFi; 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; $\sigma = 0.99$ S/m; $\epsilon_r = 54.037$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3898; ConvF(9.63, 9.63, 9.63); Calibrated: 2014-3-10;
- Sensor-Surface: 3mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn852; Calibrated: 2014-4-30
- Phantom: SAM3; Type: SAM; Serial: TP-1597
- DASY52 52.8(1222); SEMCAD X 14.6.10(7331)

Configuration/Body/Area Scan (6x8x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

Maximum value of SAR (measured) = 0.848 W/kg

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

Reference Value = 21.89 V/m; Power Drift = 0.06 dB

Peak SAR (extrapolated) = 1.17 W/kg

SAR(1 g) = 0.752 W/kg; SAR(10 g) = 0.487 W/kg

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

