



Appendix B. SAR Measurement Plots

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WiFi 2450 MHz Body

Test Laboratory: HUAWEI SAR/HAC Lab

S7-721w WiFi 802.11b 6CH Back side 0mm

DUT: S7-721w; Type: HUAWEI MediaPad 7 Youth 2; Serial: SAR1

Communication System: UID 0, WiFi(802.11a/b/g/n) (0); Frequency: 2437 MHz;Duty Cycle: 1:1

Medium parameters used: $f = 2437$ MHz; $\sigma = 2.01$ S/m; $\epsilon_r = 52.087$; $\rho = 1000$ 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: ELI v5.0; Type: ELI; Serial: TP:1111
- DASY52 52.8.7(1137); SEMCAD X 14.6.10(7164)

Configuration/Body/Area Scan (13x19x1): Measurement grid: $dx=12$ mm, $dy=12$ mm

Maximum value of SAR (measured) = 0.399 W/kg

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

Reference Value = 0 V/m; Power Drift = 0.00 dB

Peak SAR (extrapolated) = 0.848 W/kg

SAR(1 g) = 0.301 W/kg; SAR(10 g) = 0.115 W/kg

Maximum value of SAR (measured) = 0.440 W/kg

