



Appendix B. SAR Measurement Plots

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WiFi 2450 MHz Body

Test Laboratory: HUAWEI SAR/HAC Lab

S7-701w WiFi 802.11b 11CH Rear side 0mm

DUT: S7-701w; Type: HUAWEI MediaPad 7 Youth; Serial: SAR1

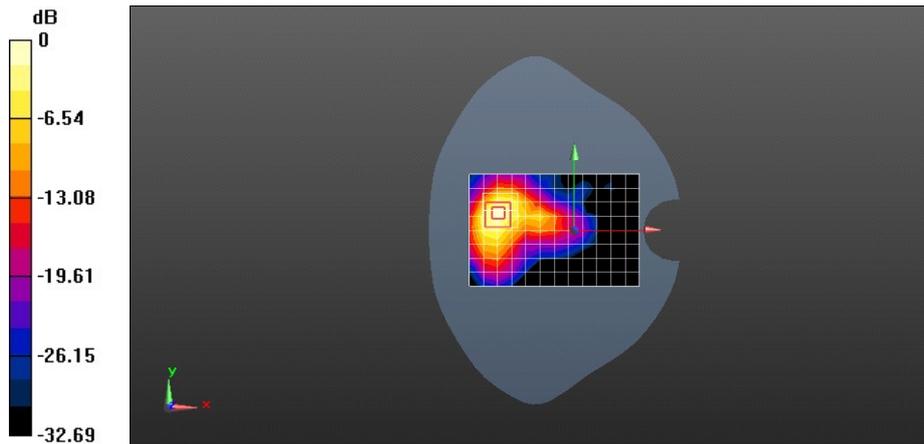
Communication System: WiFi (802.11*); Frequency: 2462 MHz; Duty Cycle: 1:1
 Medium parameters used: $f = 2462$ MHz; $\sigma = 2.023$ S/m; $\epsilon_r = 52.011$; $\rho = 1000$ kg/m³
 Phantom section: Flat Section

DASY Configuration:

- Probe: ES3DV3 - SN3168; ConvF(4.38, 4.38, 4.38); Calibrated: 2012-10-2;
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 2.0, 32.0$
- Electronics: DAE4 Sn1305; Calibrated: 2013-1-8
- Phantom: SAM1; Type: SAM; Serial: TP-1475
- DASY52 52.8.4(1052); SEMCAD X 14.6.8(7028)

Configuration/Body/Area Scan (13x9x1): Measurement grid: $dx=12$ mm, $dy=12$ mm
 Maximum value of SAR (measured) = 0.681 W/kg

Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm
 Reference Value = 4.205 V/m; Power Drift = -0.06 dB
 Peak SAR (extrapolated) = 1.97 W/kg
SAR(1 g) = 0.652 W/kg; SAR(10 g) = 0.257 W/kg
 Maximum value of SAR (measured) = 0.718 W/kg



0 dB = 0.718 W/kg = -1.44 dBW/kg



Test Laboratory: HUAWEI SAR/HAC Lab

S7-701w WiFi 802.11b 11CH Left side 0mm

DUT: S7-701w; Type: HUAWEI MediaPad 7 Youth; Serial: SAR1

Communication System: WiFi (802.11*); Frequency: 2462 MHz; Duty Cycle: 1:1
 Medium parameters used: $f = 2462$ MHz; $\sigma = 2.023$ S/m; $\epsilon_r = 52.011$; $\rho = 1000$ kg/m³
 Phantom section: Flat Section

DASY Configuration:

- Probe: ES3DV3 - SN3168; ConvF(4.38, 4.38, 4.38); Calibrated: 2012-10-2;
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 2.0, 32.0$
- Electronics: DAE4 Sn1305; Calibrated: 2013-1-8
- Phantom: SAM1; Type: SAM; Serial: TP-1475
- DASY52 52.8.4(1052); SEMCAD X 14.6.8(7028)

Configuration/Body/Area Scan (13x9x1): Measurement grid: $dx=12$ mm, $dy=12$ mm
 Maximum value of SAR (measured) = 0.279 W/kg

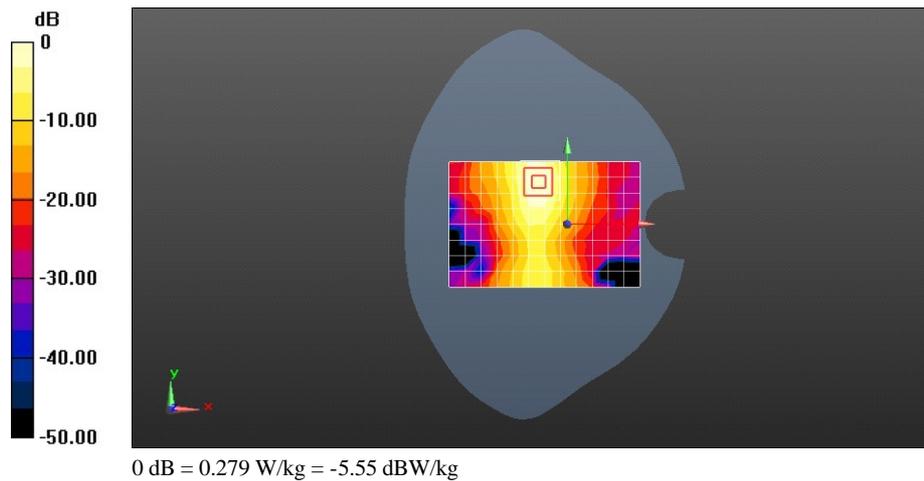
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 5.435 V/m; Power Drift = 0.19 dB

Peak SAR (extrapolated) = 0.764 W/kg

SAR(1 g) = 0.298 W/kg; SAR(10 g) = 0.125 W/kg

Maximum value of SAR (measured) = 0.342 W/kg



Test Laboratory: HUAWEI SAR/HAC Lab

S7-701w WiFi 802.11b 11CH Top side 0mm

DUT: S7-701w; Type: HUAWEI MediaPad 7 Youth; Serial: SAR1

Communication System: WiFi (802.11*); Frequency: 2462 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 2462$ MHz; $\sigma = 2.023$ S/m; $\epsilon_r = 52.011$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: ES3DV3 - SN3168; ConvF(4.38, 4.38, 4.38); Calibrated: 2012-10-2;
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 2.0, 32.0$
- Electronics: DAE4 Sn1305; Calibrated: 2013-1-8
- Phantom: SAM1; Type: SAM; Serial: TP-1475
- DASY52 52.8.4(1052); SEMCAD X 14.6.8(7028)

Configuration/Body/Area Scan (13x9x1): Measurement grid: $dx=12$ mm, $dy=12$ mm

Maximum value of SAR (measured) = 0.301 W/kg

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

Reference Value = 11.117 V/m; Power Drift = 0.16 dB

Peak SAR (extrapolated) = 0.702 W/kg

SAR(1 g) = 0.273 W/kg; SAR(10 g) = 0.113 W/kg

Maximum value of SAR (measured) = 0.314 W/kg

