Appendix B. SAR Measurement Plots

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WiFi(802.11b) 2450 MHz Body

Test Laboratory: HUAWEI SAR Lab

S7-931w WiFi 11b 6CH Rear Side 0mm

DUT: S7-931w; Type: HUAWEI MediaPad 7 Lite; Serial: SAR1

Communication System: WiFi (802.11*); Frequency: 2437 MHz; Duty Cycle: 1:1
Medium parameters used: f = 2437 MHz; σ = 1.986 mho/m; ε_r = 51.987; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3661; ConvF(7.5, 7.5, 7.5); Calibrated: 1/27/2012;
- Sensor-Surface: 4mm (Mechanical Surface Detection), z = 1.0, 31.0
- Electronics: DAE4 Sn679; Calibrated: 12/23/2011
- Phantom: SAM 2; Type: SAM; Serial: TP-1474
- DASY52 52.8.1(838); SEMCAD X 14.6.5(6469)

Configuration/Body/Area Scan (7x8x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.665 mW/g

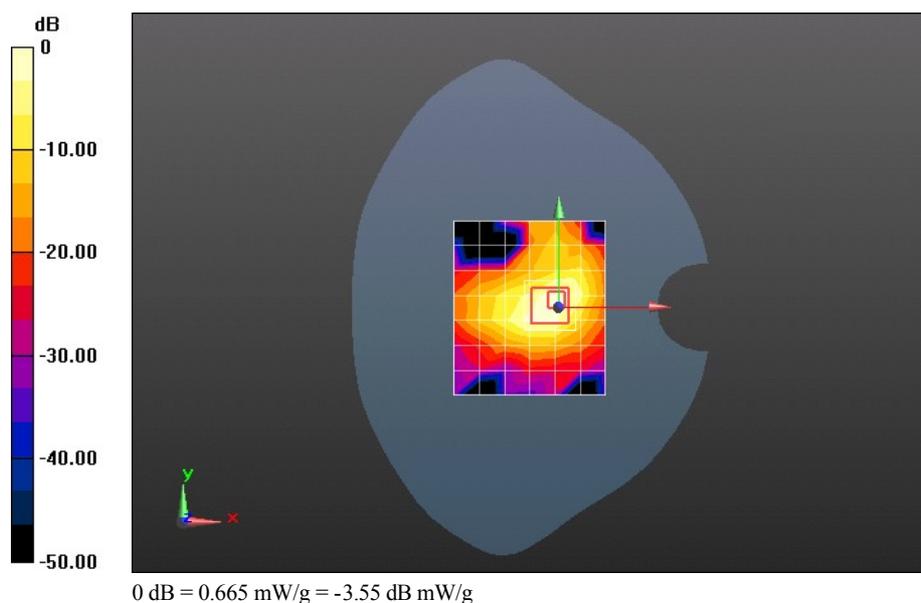**Configuration/Body/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 15.244 V/m; Power Drift = -0.06 dB
Peak SAR (extrapolated) = 1.574 mW/g
SAR(1 g) = 0.583 mW/g; SAR(10 g) = 0.254 mW/g
Maximum value of SAR (measured) = 0.685 mW/g

0 dB = 0.665 mW/g = -3.55 dB mW/g

Test Laboratory: HUAWEI SAR Lab

S7-931w WiFi 11b 6CH Right Side 0mm

DUT: S7-931w; Type: HUAWEI MediaPad 7 Lite; Serial: SAR1

Communication System: WiFi (802.11*); Frequency: 2437 MHz; Duty Cycle: 1:1
Medium parameters used: f = 2437 MHz; σ = 1.986 mho/m; ε_r = 51.987; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3661; ConvF(7.5, 7.5, 7.5); Calibrated: 1/27/2012;
- Sensor-Surface: 4mm (Mechanical Surface Detection), z = 1.0, 31.0
- Electronics: DAE4 Sn679; Calibrated: 12/23/2011
- Phantom: SAM 2; Type: SAM; Serial: TP-1474
- DASY52 52.8.1(838); SEMCAD X 14.6.6(6824)

Configuration/Body/Area Scan (7x8x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.517 W/kg

Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 19.175 V/m; Power Drift = -0.11 dB
Peak SAR (extrapolated) = 1.427 mW/g
SAR(1 g) = 0.614 mW/g; SAR(10 g) = 0.245 mW/g
Maximum value of SAR (measured) = 0.722 W/kg

0 dB = 0.722 W/kg = -2.83 dB W/kg

Test Laboratory: HUAWEI SAR Lab

S7-931w WiFi 11b 6CH Top Side 0mm

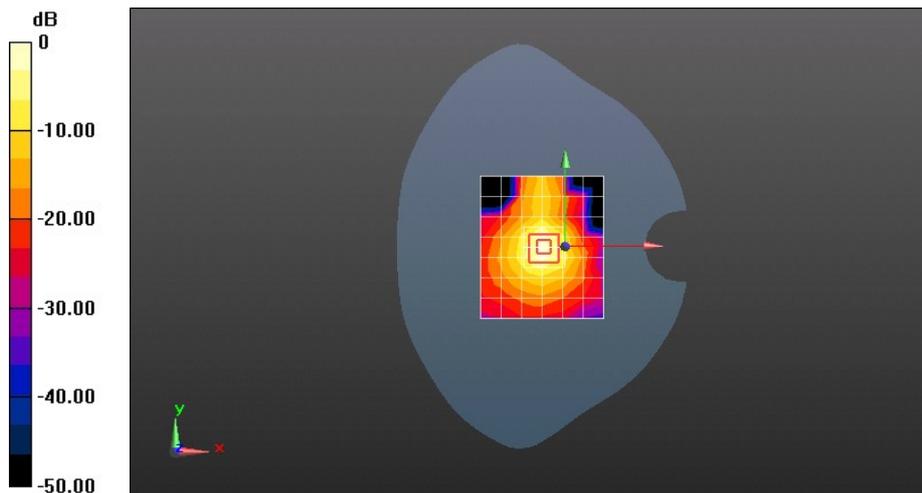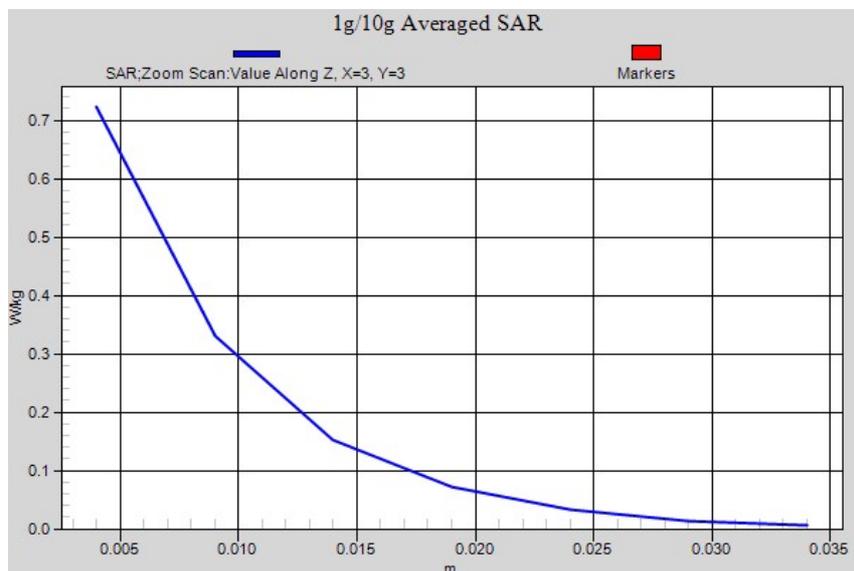**DUT: S7-931w; Type: HUAWEI MediaPad 7 Lite; Serial: SAR1**

Communication System: WiFi (802.11*); Frequency: 2437 MHz; Duty Cycle: 1:1
Medium parameters used: f = 2437 MHz; σ = 1.986 mho/m; ε_r = 51.987; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3661; ConvF(7.5, 7.5, 7.5); Calibrated: 1/27/2012;
- Sensor-Surface: 4mm (Mechanical Surface Detection), z = 1.0, 31.0
- Electronics: DAE4 Sn679; Calibrated: 12/23/2011
- Phantom: SAM 2; Type: SAM; Serial: TP-1474
- DASY52 52.8.1(838); SEMCAD X 14.6.5(6469)

Configuration/Body/Area Scan (7x8x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.297 mW/g

Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 11.630 V/m; Power Drift = 0.07 dB
Peak SAR (extrapolated) = 0.607 mW/g
SAR(1 g) = 0.255 mW/g; SAR(10 g) = 0.107 mW/g
Maximum value of SAR (measured) = 0.298 mW/g

0 dB = 0.297 mW/g = -10.55 dB mW/g