



# **Appendix B**

## **Detailed Test Results**

WIFI 802.11b 11CH Back Side 0mm
WIFI 802.11b 11CH Left Side 0mm
WIFI 802.11b 11CH Bottom Side 0mm

Test Laboratory: SGS-SAR Lab

## MFC181 WiFi 802.11b 11CH Back Side 0mm

**DUT: MFC181; Type: Lexibook 8 inch tablet; Serial: NA**

Communication System: 802.11b/g; Frequency: 2462 MHz; Duty Cycle: 1:1

Medium: MSL2450 Medium parameters used:  $f = 2462$  MHz;  $\sigma = 1.99$  mho/m;  $\epsilon_r = 51.7$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ES3DV3 - SN3088; ConvF(4.2, 4.2, 4.2); Calibrated: 2012-11-26
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn569; Calibrated: 2012-11-27
- Phantom: SAM 1; Type: SAM V4.0; Serial: TP-1283
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

**Body/Area Scan (8x11x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.367 mW/g

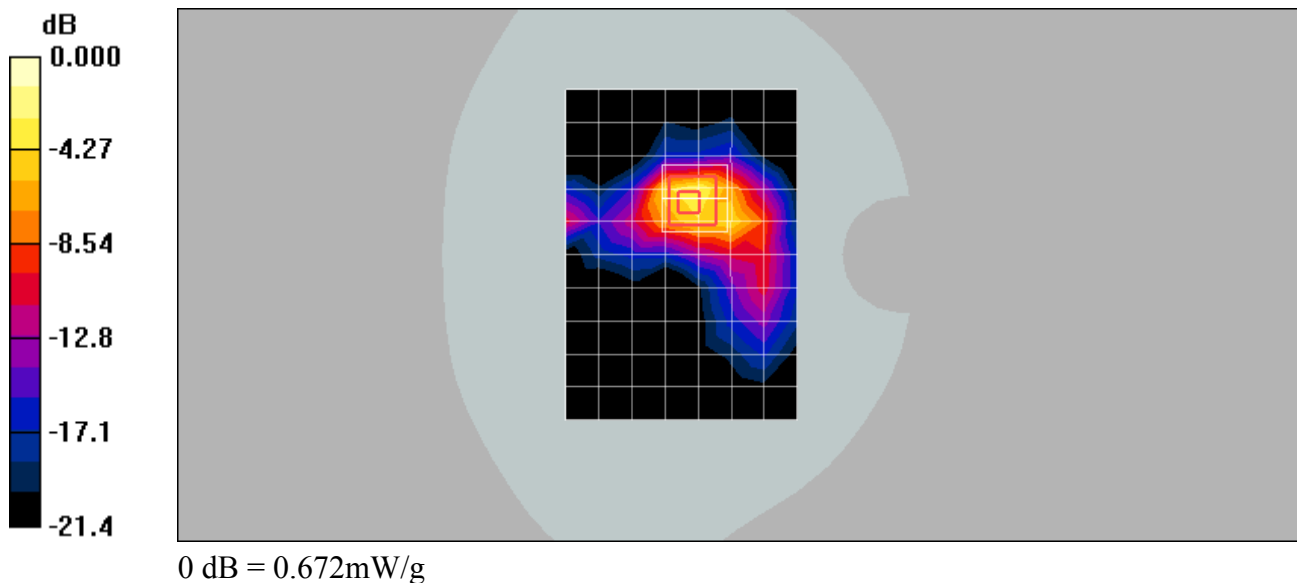
**Body/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 2.74 V/m; Power Drift = 0.006 dB

Peak SAR (extrapolated) = 1.43 W/kg

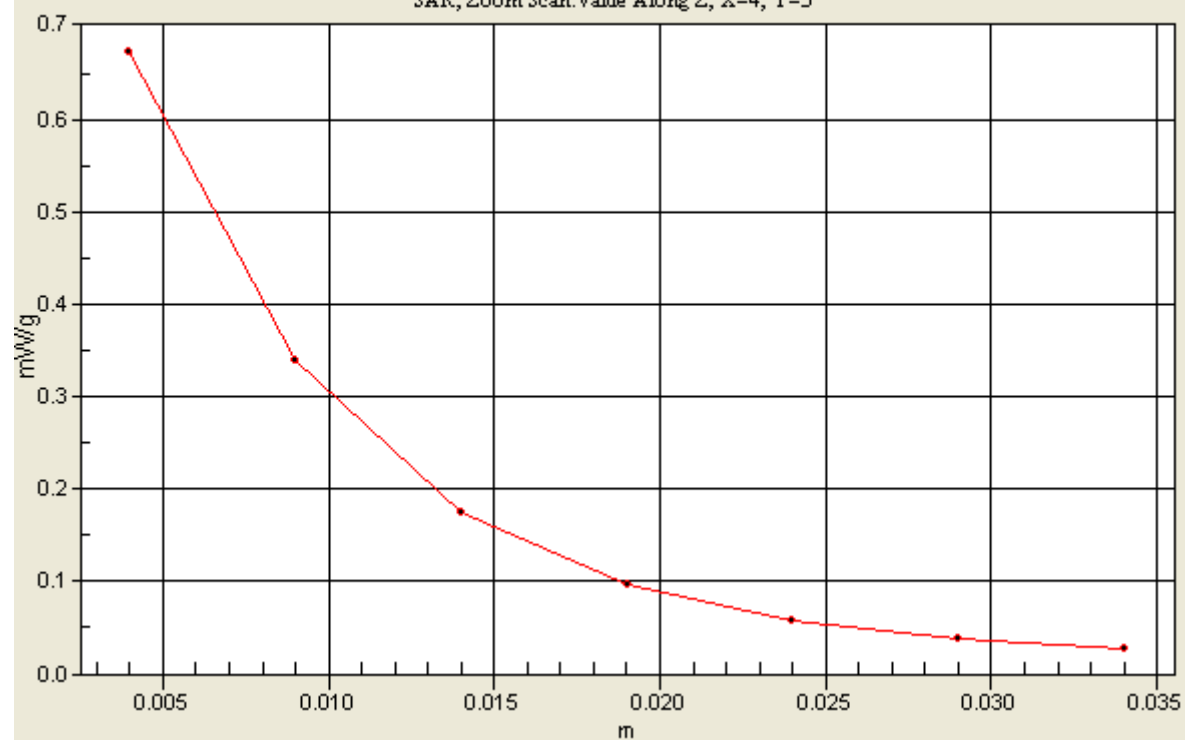
**SAR(1 g) = 0.583 mW/g; SAR(10 g) = 0.228 mW/g**

Maximum value of SAR (measured) = 0.672 mW/g



# 1g/10g Averaged SAR

SAR; Zoom Scan: Value Along Z, X=4, Y=3



Test Laboratory: SGS-SAR Lab

## MFC181 WiFi 802.11b 11CH Left Side 0mm

**DUT: MFC181; Type: Lexibook 8 inch tablet; Serial: NA**

Communication System: 802.11b/g; Frequency: 2462 MHz; Duty Cycle: 1:1

Medium: MSL2450 Medium parameters used:  $f = 2462$  MHz;  $\sigma = 1.99$  mho/m;  $\epsilon_r = 51.7$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ES3DV3 - SN3088; ConvF(4.2, 4.2, 4.2); Calibrated: 2012-11-26
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn569; Calibrated: 2012-11-27
- Phantom: SAM 1; Type: SAM V4.0; Serial: TP-1283
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

**Body/Area Scan (8x11x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.034 mW/g

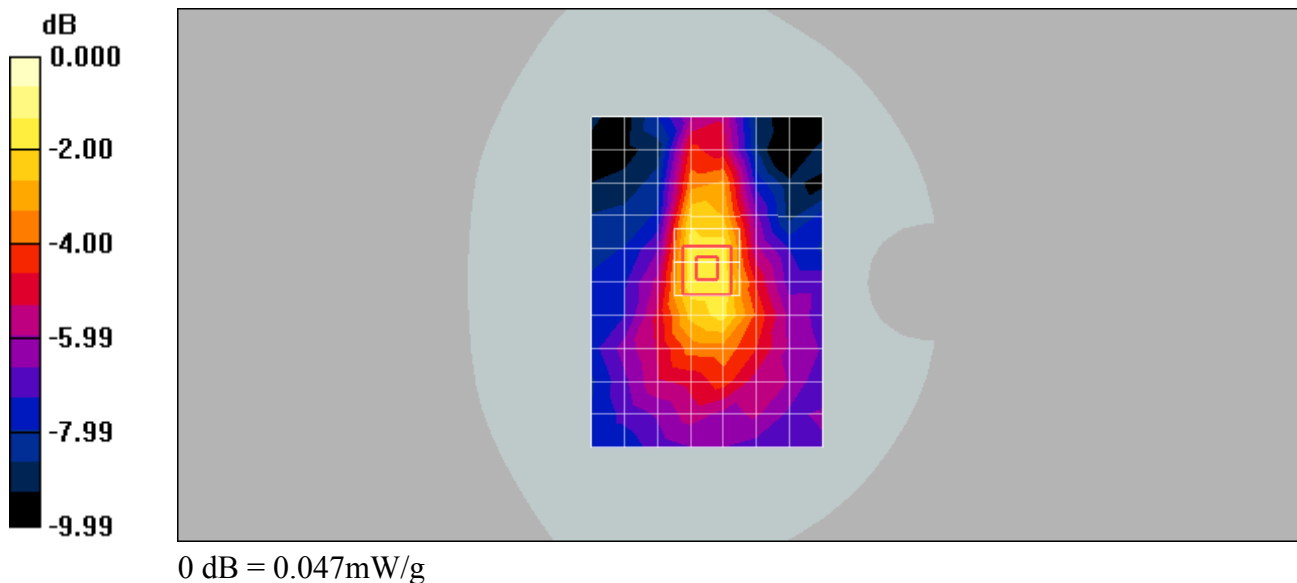
**Body/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 4.86 V/m; Power Drift = -0.144 dB

Peak SAR (extrapolated) = 0.077 W/kg

**SAR(1 g) = 0.042 mW/g; SAR(10 g) = 0.024 mW/g**

Maximum value of SAR (measured) = 0.047 mW/g



Test Laboratory: SGS-SAR Lab

## MFC181 WiFi 802.11b 11CH Bottom Side 0mm

**DUT: MFC181; Type: Lexibook 8 inch tablet; Serial: NA**

Communication System: 802.11b/g; Frequency: 2462 MHz; Duty Cycle: 1:1

Medium: MSL2450 Medium parameters used:  $f = 2462$  MHz;  $\sigma = 1.99$  mho/m;  $\epsilon_r = 51.7$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ES3DV3 - SN3088; ConvF(4.2, 4.2, 4.2); Calibrated: 2012-11-26
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn569; Calibrated: 2012-11-27
- Phantom: SAM 1; Type: SAM V4.0; Serial: TP-1283
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

**Body/Area Scan (8x11x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.202 mW/g

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

Reference Value = 11.3 V/m; Power Drift = -0.169 dB

Peak SAR (extrapolated) = 0.649 W/kg

**SAR(1 g) = 0.314 mW/g; SAR(10 g) = 0.142 mW/g**

Maximum value of SAR (measured) = 0.372 mW/g

