



## Appendix B. SAR Measurement Plots

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WiFi 802.11b Body

Test Laboratory: HUAWEI SAR/HAC Lab

### M210 WiFi 802.11b 6CH Front side 5mm

**DUT: M210; Type: MediaQ M210; Serial: SAR1**

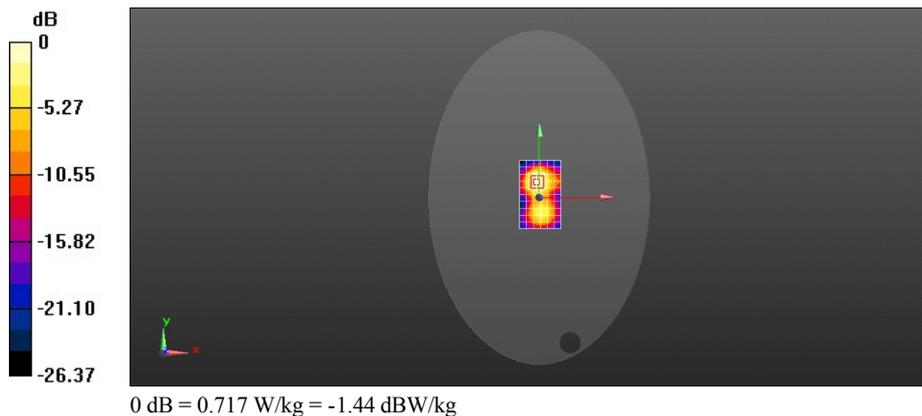
Communication System: WiFi(802.11b/g/n); Frequency: 2437 MHz; Duty Cycle: 1:1  
 Medium parameters used:  $f = 2437$  MHz;  $\sigma = 1.937$  S/m;  $\epsilon_r = 51.282$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
 Phantom section: Flat Section

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 Sn1236; Calibrated: 2012-11-23
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP-1038
- DASY52 52.8.4(1052); SEMCAD X 14.6.8(7028)

**Configuration/Body/Area Scan (7x11x1):** Measurement grid:  $dx=12$ mm,  $dy=12$ mm  
 Maximum value of SAR (measured) = 0.676 W/kg

**Configuration/Body/Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm  
 Reference Value = 8.314 V/m; Power Drift = 0.01 dB  
 Peak SAR (extrapolated) = 1.41 W/kg  
**SAR(1 g) = 0.652 W/kg; SAR(10 g) = 0.318 W/kg**  
 Maximum value of SAR (measured) = 0.717 W/kg



Test Laboratory: HUAWEI SAR/HAC Lab

### M210 WiFi 802.11b 6CH Rear side 5mm

**DUT: M210; Type: MediaQ M210; Serial: SAR1**

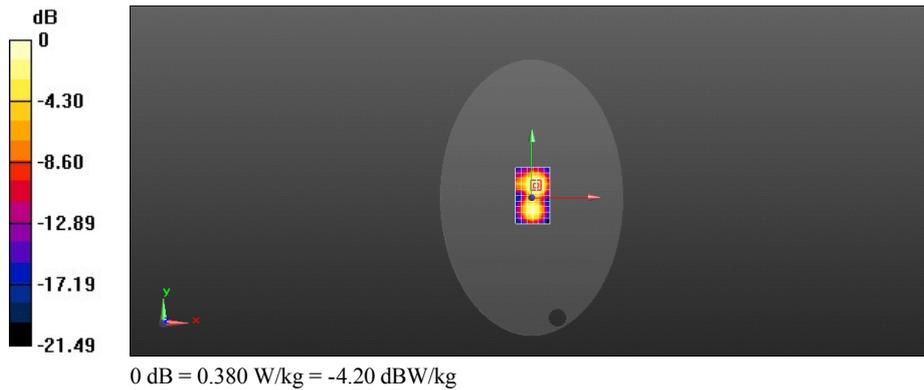
Communication System: WiFi(802.11b/g/n); Frequency: 2437 MHz; Duty Cycle: 1:1  
 Medium parameters used:  $f = 2437$  MHz;  $\sigma = 1.937$  S/m;  $\epsilon_r = 51.282$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
 Phantom section: Flat Section

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 Sn1236; Calibrated: 2012-11-23
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP-1038
- DASY52 52.8.4(1052); SEMCAD X 14.6.8(7028)

**Configuration/Body/Area Scan (7x11x1):** Measurement grid:  $dx=12$ mm,  $dy=12$ mm  
 Maximum value of SAR (measured) = 0.335 W/kg

**Configuration/Body/Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm  
 Reference Value = 6.848 V/m; Power Drift = 0.19 dB  
 Peak SAR (extrapolated) = 0.680 W/kg  
**SAR(1 g) = 0.345 W/kg; SAR(10 g) = 0.180 W/kg**  
 Maximum value of SAR (measured) = 0.380 W/kg



Test Laboratory: HUAWEI SAR/HAC Lab

### M210 WiFi 802.11b 6CH Left side 5mm

**DUT: M210; Type: MediaQ M210; Serial: SAR1**

Communication System: WiFi(802.11b/g/n); Frequency: 2437 MHz; Duty Cycle: 1:1  
 Medium parameters used:  $f = 2437$  MHz;  $\sigma = 1.937$  S/m;  $\epsilon_r = 51.282$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
 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 Sn1236; Calibrated: 2012-11-23
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP-1038
- DASY52 52.8.4(1052); SEMCAD X 14.6.8(7028)

**Configuration/Body/Area Scan (7x11x1):** Measurement grid:  $dx=12$ mm,  $dy=12$ mm

Maximum value of SAR (measured) = 0.310 W/kg

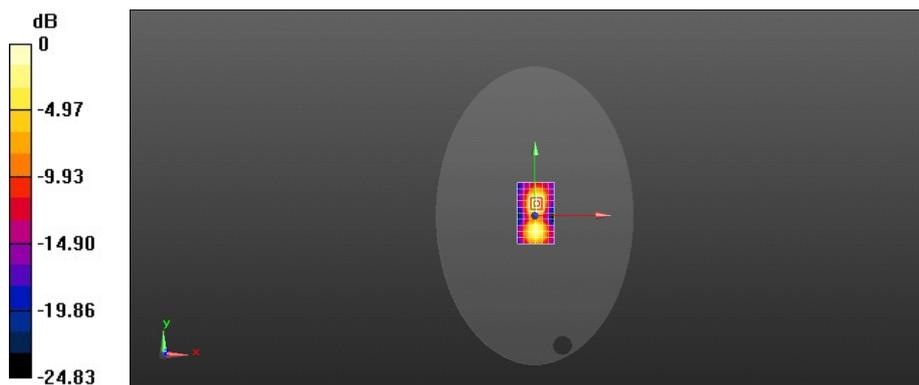
**Configuration/Body/Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

Reference Value = 5.410 V/m; Power Drift = 0.07 dB

Peak SAR (extrapolated) = 0.601 W/kg

**SAR(1 g) = 0.280 W/kg; SAR(10 g) = 0.128 W/kg**

Maximum value of SAR (measured) = 0.318 W/kg



0 dB = 0.318 W/kg = -4.98 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

### M210 WiFi 802.11b 6CH Tip side 5mm

**DUT: M210; Type: MediaQ M210; Serial: SAR1**

Communication System: WiFi(802.11b/g/n); Frequency: 2437 MHz; Duty Cycle: 1:1  
 Medium parameters used:  $f = 2437$  MHz;  $\sigma = 1.937$  S/m;  $\epsilon_r = 51.282$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
 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 Sn1236; Calibrated: 2012-11-23
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP-1038
- DASY52 52.8.4(1052); SEMCAD X 14.6.8(7028)

**Configuration/Body/Area Scan (7x11x1):** Measurement grid:  $dx=12$ mm,  $dy=12$ mm  
 Maximum value of SAR (measured) = 0.133 W/kg

**Configuration/Body/Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm  
 Reference Value = 7.183 V/m; Power Drift = -0.02 dB  
 Peak SAR (extrapolated) = 0.342 W/kg  
**SAR(1 g) = 0.147 W/kg; SAR(10 g) = 0.067 W/kg**  
 Maximum value of SAR (measured) = 0.163 W/kg

