



# **Appendix B**

## **Detailed Test Results**

1.WiFi
WiFi for Head

Test Laboratory: SGS-SAR Lab

## USR-C216 WiFi 802.11b 1CH Left cheek

**DUT: USR-C216; Type: Serial to WIFI Module; Serial: N/A**

Communication System: UID 0, WI-FI(2.4GHz) (0); Frequency: 2412 MHz; Duty Cycle: 1:1

Medium: HSL2450; Medium parameters used:  $f = 2412$  MHz;  $\sigma = 1.752$  S/m;  $\epsilon_r = 40.376$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Left Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3789; ConvF(7.01, 7.01, 7.01); Calibrated: 2018-02-08;
- Sensor-Surface: 2mm (Mechanical Surface Detection),  $z = -2.0, 31.0$
- Electronics: DAE4 Sn896; Calibrated: 2018-11-08
- Phantom: SAM2; Type: SAM; Serial: 1913
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

**Configuration/Head/Area Scan (8x10x1):** Measurement grid:  $dx=12$ mm,  $dy=12$ mm  
Maximum value of SAR (measured) = 0.0160 W/kg

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

Reference Value = 1.433 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 0.0220 W/kg

**SAR(1 g) = 0.010 W/kg; SAR(10 g) = 0.00559 W/kg**

Maximum value of SAR (measured) = 0.0166 W/kg

