



Appendix B

Detailed Test Results

1.WiFi
WiFi for Head

Test Laboratory: SGS-SAR Lab

USR-C216 WiFi 802.11b 13CH Left cheek

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

Communication System: UID 0, WI-FI(2.4GHz) (0); Frequency: 2472 MHz;Duty Cycle: 1:1

Medium: HSL2450;Medium parameters used: $f = 2472$ MHz; $\sigma = 1.818$ S/m; $\epsilon_r = 40.251$; $\rho = 1000$ kg/m³

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 (6x8x1): Measurement grid: $dx=15$ mm, $dy=15$ mm
Maximum value of SAR (measured) = 1.55 W/kg

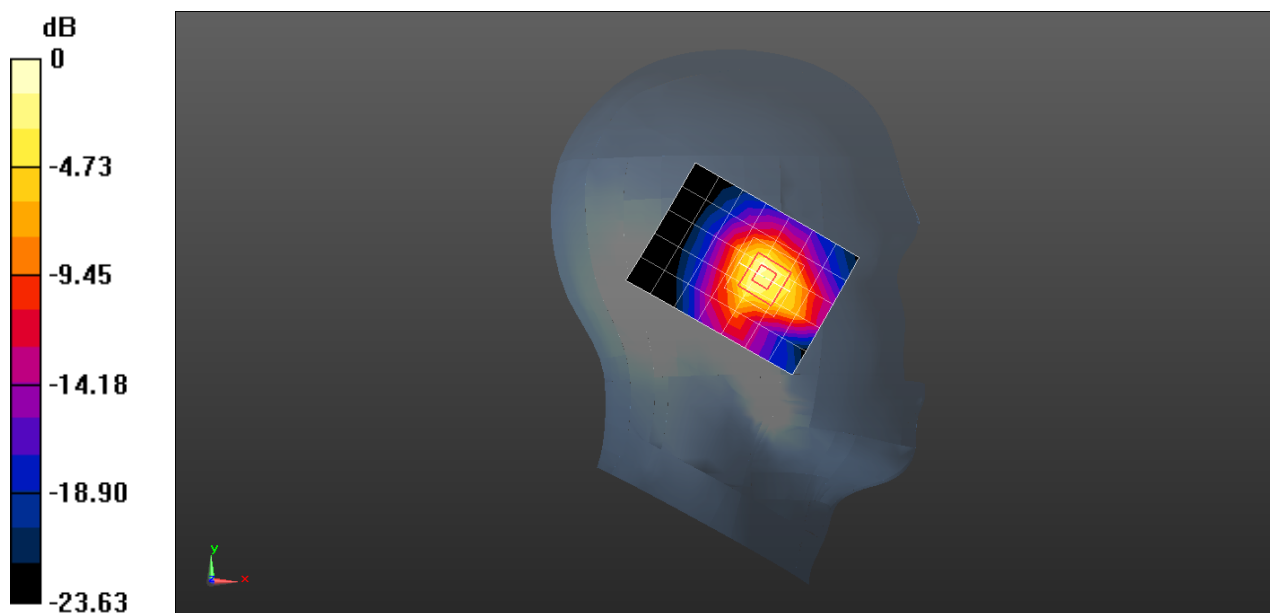
Configuration/Head/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 7.240 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 2.65 W/kg

SAR(1 g) = 1.2 W/kg; SAR(10 g) = 0.545 W/kg

Maximum value of SAR (measured) = 1.91 W/kg



0 dB = 1.91 W/kg = 2.81 dBW/kg