

# **Appendix B**

# **Detailed Test Results**

1. WIFI

WIFI 2.4G for Body

Date: 2019-02-16

Test Laboratory: SGS-SAR Lab

#### Omnium1 2.0 WIFI 802.11b 11CH Bottom side 0mm

### DUT: Omnium1 2.0; Type:Omnium1/IMRS one(70220); Serial: 201812170162

Communication System: UID 0, WI-FI(2.4GHz) (0); Frequency: 2462 MHz; Duty Cycle: 1:1

Medium: MSL2450; Medium parameters used: f = 2462 MHz;  $\sigma = 1.916$  S/m;  $\varepsilon_r = 51.606$ ;  $\rho = 1000$ 

 $kg/m^3$ 

Phantom section: Flat Section

## DASY 5 Configuration:

- Probe: EX3DV4 SN3923; ConvF(7.87, 7.87, 7.87); Calibrated: 2018-09-30;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), z = -2.0, 31.0
- Electronics: DAE4 Sn896; Calibrated: 2018-11-08
- Phantom: SAM 2; Type: SAM; Serial: 1913
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

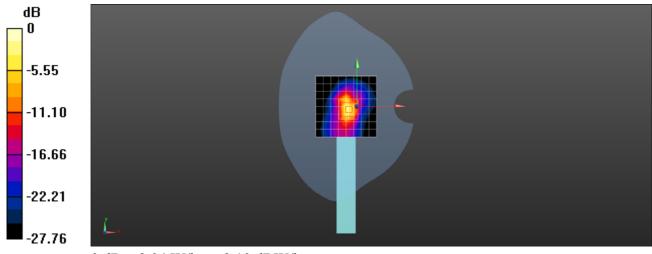
Configuration/Body/Area Scan (9x9x1): Measurement grid: dx=12mm, dy=12mm Maximum value of SAR (measured) = 1.23 W/kg

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

Reference Value = 20.42 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 2.69 W/kg

SAR(1 g) = 1.03 W/kg; SAR(10 g) = 0.371 W/kgMaximum value of SAR (measured) = 2.04 W/kg



0 dB = 2.04 W/kg = 3.10 dBW/kg