



Appendix B

Detailed Test Results

1. WIFI
WIFI2.4G for Body

Test Laboratory: SGS-SAR Lab

BC300 802.11b 1CH Side 1 0mm

DUT: BC300; Type: Portable Media console for Children; Serial: N/A

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

Medium: MSL2450;Medium parameters used: $f = 2412 \text{ MHz}$; $\sigma = 1.919 \text{ S/m}$; $\epsilon_r = 52.851$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3962; ConvF(7.78, 7.78, 7.78); Calibrated: 2018-01-11;
- Sensor-Surface: 2mm (Mechanical Surface Detection), $z = -2.0, 31.0$
- Electronics: DAE4 Sn1428; Calibrated: 2018-01-17
- Phantom: SAM 2; Type: SAM V4.0; Serial: 1640
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

Configuration/Body/Area Scan (10x13x1): Measurement grid: $dx=12\text{mm}$, $dy=12\text{mm}$
Maximum value of SAR (measured) = 0.225 W/kg

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

Reference Value = 4.835 V/m ; Power Drift = 0.08 dB

Peak SAR (extrapolated) = 0.366 W/kg

SAR(1 g) = 0.200 W/kg ; SAR(10 g) = 0.110 W/kg

Maximum value of SAR (measured) = 0.280 W/kg

