

Appendix B

Detailed Test Results

WIFI 5G for Body & Limbs



SGS-CSTC Standards Technical Services Co., Ltd.
Shenzhen Branch Inspection & Testing Services
EEC Laboratory

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Test Laboratory: SGS-SAR Lab

ACTION C5 PRO WIFI 5G 802.11n 157CH Left side 5mm

DUT: ACTION C5 PRO

Communication System: UID 0, WI-FI(5GHz) (0); Frequency: 5785 MHz; Duty Cycle: 1:1

Medium: HSL5G; Medium parameters used: $f = 5785$ MHz; $\sigma = 5.307$ S/m; $\epsilon_r = 35.2$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3836; ConvF(4.82, 4.82, 4.82); Calibrated: 2024/9/19
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn760; Calibrated: 2024/8/15
- Phantom: SAM5; Type: SAM Twin; Serial: 1673
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Configuration/Body/Area Scan (7x11x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 2.32 W/kg

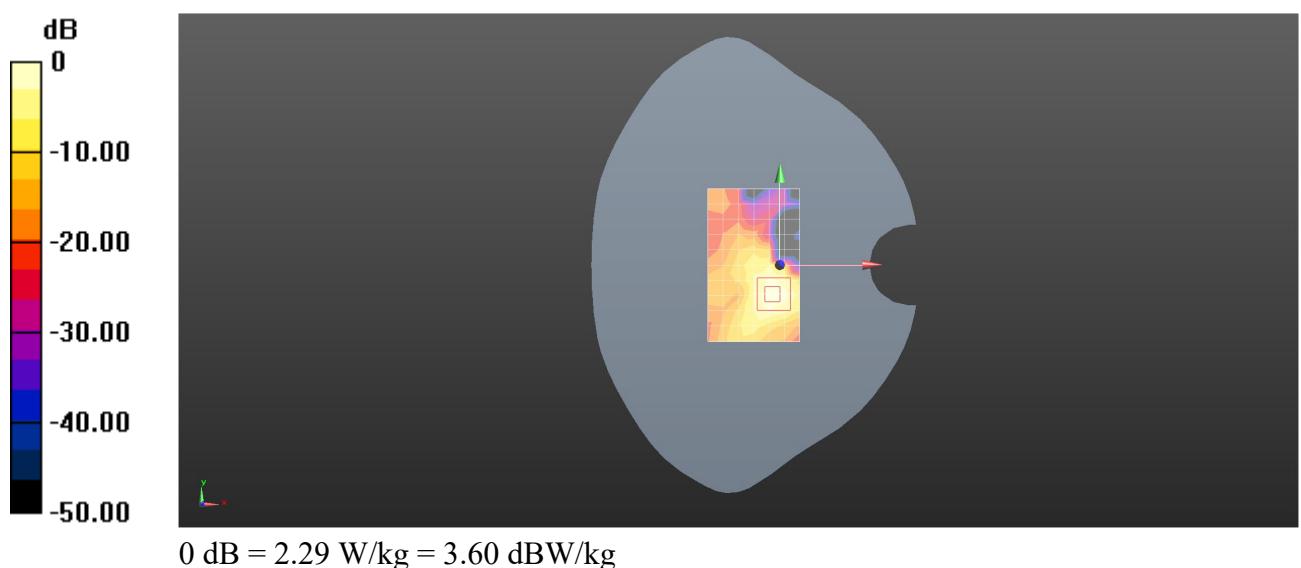
Configuration/Body/Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 6.137 V/m; Power Drift = -0.07 dB

Peak SAR (extrapolated) = 3.77 W/kg

SAR(1 g) = 0.929 W/kg; SAR(10 g) = 0.296 W/kg

Maximum value of SAR (measured) = 2.29 W/kg



Test Laboratory: SGS-SAR Lab

ACTION C5 PRO WIFI 5G 802.11n 52CH Left side 0mm

DUT: ACTION C5 PRO

Communication System: UID 0, WI-FI(5GHz) (0); Frequency: 5260 MHz; Duty Cycle: 1:1

Medium: HSL5G; Medium parameters used: $f = 5260$ MHz; $\sigma = 4.737$ S/m; $\epsilon_r = 36.408$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3836; ConvF(5.22, 5.22, 5.22); Calibrated: 2024/9/19
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn760; Calibrated: 2024/8/15
- Phantom: SAM5; Type: SAM Twin; Serial: 1673
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Configuration/Body/Area Scan (7x11x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 16.5 W/kg

Configuration/Body/Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 21.70 V/m; Power Drift = -0.19 dB

Peak SAR (extrapolated) = 25.1 W/kg

SAR(1 g) = 5.79 W/kg; SAR(10 g) = 1.32 W/kg

Maximum value of SAR (measured) = 15.9 W/kg

