

Appendix B

Detailed Test Results

WIFI 5G for Limbs



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

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Test Laboratory: SGS-SAR Lab

CRS10COL WIFI 5G 802.11n HT20 52CH Side 2 0mm MIMO

DUT: CRS10COL

Communication System: UID 0, WI-FI(5GHz) (0); Frequency: 5260 MHz; Duty Cycle: 1:1.044

Medium: HSL5G; Medium parameters used: $f = 5260$ MHz; $\sigma = 4.688$ S/m; $\epsilon_r = 36.176$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN7636; ConvF(5.6, 5.6, 5.6); Calibrated: 2024/7/17
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn867; Calibrated: 2024/12/31
- Phantom: Twin-SAM V8.0 (30deg probe tilt); Type: QD 000 P41 Ax; Serial: 1609
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Configuration/Body/Area Scan (7x9x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 13.0 W/kg

Configuration/Body/Zoom Scan (8x8x6)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 11.54 V/m; Power Drift = 0.10 dB

Peak SAR (extrapolated) = 22.5 W/kg

SAR(1 g) = 5.02 W/kg; SAR(10 g) = 1.35 W/kg

Smallest distance from peaks to all points 3 dB below = 5.7 mm

Ratio of SAR at M2 to SAR at M1 = 52.7%

Maximum value of SAR (measured) = 12.8 W/kg

