



SGS-CSTC Standards Technical Services (Suzhou) Co., Ltd.

Report No.: SUCR250500042001

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Appendix B

Detailed Test Results

1. WIFI
WIFI 2.4G
WIFI 5G
2. BT
BT

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Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

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Test Laboratory: SGS-SAR Lab

AIR2521 WIFI2.4G 802.11b Ch6 Back side 0mm

DUT: AIR2521; Type: Smart Recorder; Serial: NA

Communication System: UID 0, WI-FI(2.4GHz) (0); Frequency: 2437 MHz; Duty Cycle: 1:1.007

Medium: HSL2450; Medium parameters used: $f = 2437$ MHz; $\sigma = 1.767$ S/m; $\epsilon_r = 39.2$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN7767; ConvF(8.03, 8.03, 8.03); Calibrated: 2024/12/31
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1484; Calibrated: 2024/10/15
- Phantom: SAM 8; Type: SAM; Serial: 1824
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Configuration/Head/Area Scan (6x13x1): Measurement grid: dx=12mm, dy=12mm

Maximum value of SAR (measured) = 1.60 W/kg

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

Reference Value = 19.34 V/m; Power Drift = -0.06 dB

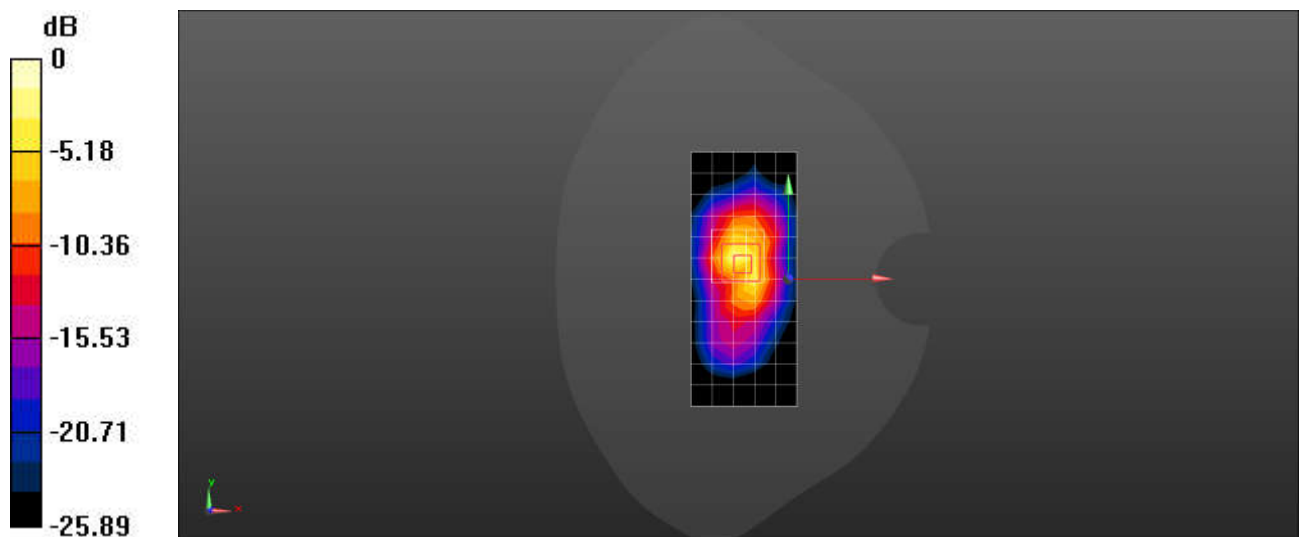
Peak SAR (extrapolated) = 3.61 W/kg

SAR(1 g) = 1.17 W/kg; SAR(10 g) = 0.448 W/kg

Smallest distance from peaks to all points 3 dB below = 5.4 mm

Ratio of SAR at M2 to SAR at M1 = 33.9%

Maximum value of SAR (measured) = 2.55 W/kg



0 dB = 2.55 W/kg = 4.07 dBW/kg

Test Laboratory: SGS-SAR Lab

AIR2521 WIFI5G 802.11a Ch36 Back side 0mm

DUT: AIR2521; Type: Smart Recorder; Serial: NA

Communication System: UID 0, WI-FI(5GHz) (0); Frequency: 5180 MHz; Duty Cycle: 1:1.014

Medium: HSL5000; Medium parameters used: $f = 5180$ MHz; $\sigma = 4.668$ S/m; $\epsilon_r = 36.797$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN7767; ConvF(5.73, 5.73, 5.73); Calibrated: 2024/12/31
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1484; Calibrated: 2024/10/15
- Phantom: SAM 8; Type: SAM; Serial: 1824
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Configuration/Head/Area Scan (7x15x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 1.07 W/kg

Configuration/Head/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 5.340 V/m; Power Drift = -0.04 dB

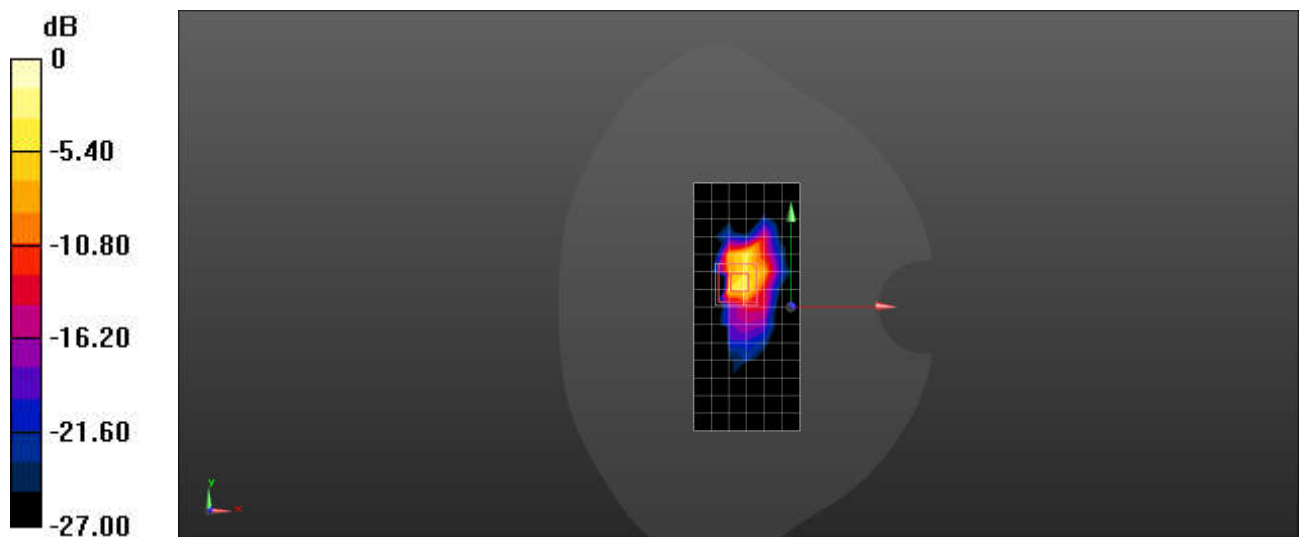
Peak SAR (extrapolated) = 4.20 W/kg

SAR(1 g) = 0.979 W/kg; SAR(10 g) = 0.223 W/kg

Smallest distance from peaks to all points 3 dB below = 4.3 mm

Ratio of SAR at M2 to SAR at M1 = 75.3%

Maximum value of SAR (measured) = 2.88 W/kg



0 dB = 2.88 W/kg = 4.59 dBW/kg

Test Laboratory: SGS-SAR Lab

AIR2521 Bluetooth DH5 Ch39 Back side 0mm

DUT: AIR2521; Type: Smart Recorder; Serial: NA

Communication System: UID 0, Bluetooth (0); Frequency: 2441 MHz; Duty Cycle: 1:1.111

Medium: HSL2450; Medium parameters used: $f = 2441$ MHz; $\sigma = 1.771$ S/m; $\epsilon = 39.172$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN7767; ConvF(8.03, 8.03, 8.03); Calibrated: 2024/12/31
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1484; Calibrated: 2024/10/15
- Phantom: SAM 8; Type: SAM; Serial: 1824
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Configuration/Head/Area Scan (6x13x1): Measurement grid: dx=12mm, dy=12mm

Maximum value of SAR (measured) = 0.0650 W/kg

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

Reference Value = 3.487 V/m; Power Drift = -0.05 dB

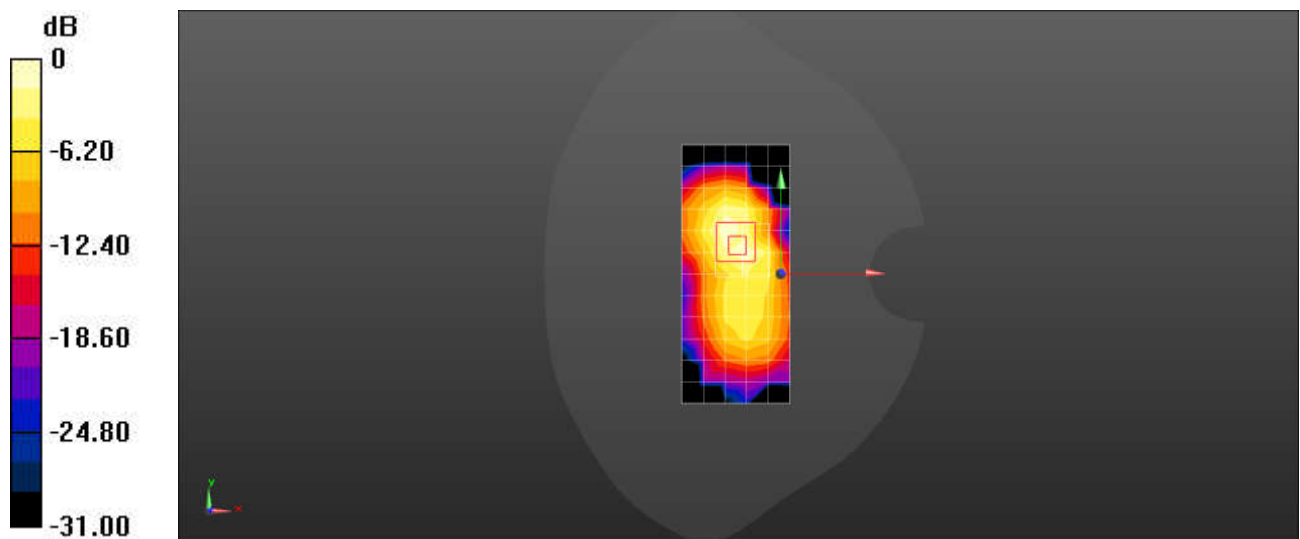
Peak SAR (extrapolated) = 0.0870 W/kg

SAR(1 g) = 0.046 W/kg; SAR(10 g) = 0.022 W/kg

Smallest distance from peaks to all points 3 dB below: Larger than measurement grid

Ratio of SAR at M2 to SAR at M1 = 57.1%

Maximum value of SAR (measured) = 0.0700 W/kg



0 dB = 0.0700 W/kg = -11.55 dBW/kg



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