

# **Appendix B**

## **Detailed Test Results**

1. WIFI
WIFI 2.4G
WIFI 5G
WIFI 6E
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

## TFB1A WIFI2.4G 802.11n 11CH Back side 0mm

**DUT: TFB1A; Type: Wireless Data Terminal; Serial: LF03E53N00011**

Communication System: UID 0, WI-FI(2.4GHz) (0); Frequency: 2462 MHz; Duty Cycle: 1:1.172

Medium: HSL2450; Medium parameters used:  $f = 2462$  MHz;  $\sigma = 1.868$  S/m;  $\epsilon_r = 37.962$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3923; ConvF(7.98, 7.98, 7.98); Calibrated: 2024/11/04
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1245; Calibrated: 2024/06/05
- Phantom: SAM 7; Type: SAM; Serial: 1702
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

**Configuration/Body/Area Scan (7x16x1):** Measurement grid: dx=12mm, dy=12mm  
Maximum value of SAR (measured) = 0.543 W/kg

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

Reference Value = 2.859 V/m; Power Drift = 0.05 dB

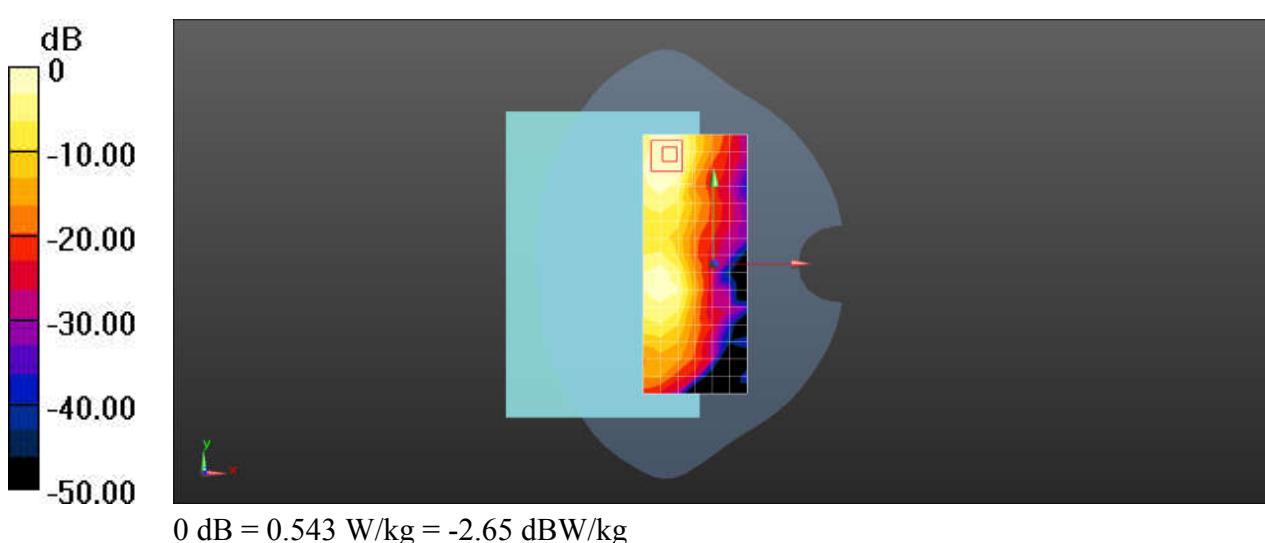
Peak SAR (extrapolated) = 0.959 W/kg

**SAR(1 g) = 0.412 W/kg; SAR(10 g) = 0.199 W/kg**

Smallest distance from peaks to all points 3 dB below = 9 mm

Ratio of SAR at M2 to SAR at M1 = 38.5%

Maximum value of SAR (measured) = 0.715 W/kg



Test Laboratory: SGS-SAR Lab

## TFB1A WIFI5G 802.11a 60CH Top side 0mm

**DUT: TFB1A; Type: Wireless Data Terminal; Serial: LF03E53N00011**

Communication System: UID 0, WI-FI(5GHz) (0); Frequency: 5300 MHz; Duty Cycle: 1:1.053

Medium: HSL5G; Medium parameters used:  $f = 5300$  MHz;  $\sigma = 4.857$  S/m;  $\epsilon_r = 35.845$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3923; ConvF(5.6, 5.6, 5.6); Calibrated: 2024/11/04
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1245; Calibrated: 2024/06/05
- Phantom: SAM 7; Type: SAM; Serial: 1702
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

**Configuration/Body/Area Scan (9x19x1):** Measurement grid: dx=10mm, dy=10mm  
Maximum value of SAR (measured) = 0.883 W/kg

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

Reference Value = 0 V/m; Power Drift = 0.05 dB

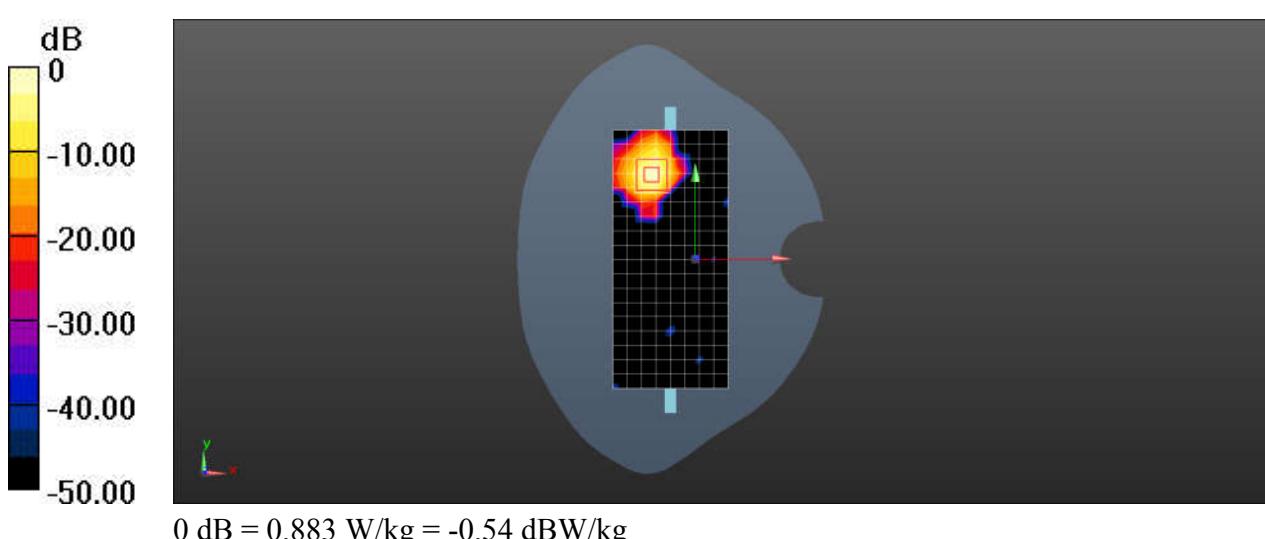
Peak SAR (extrapolated) = 1.72 W/kg

**SAR(1 g) = 0.396 W/kg; SAR(10 g) = 0.098 W/kg**

Smallest distance from peaks to all points 3 dB below = 6.1 mm

Ratio of SAR at M2 to SAR at M1 = 63.7%

Maximum value of SAR (measured) = 1.06 W/kg



Test Laboratory: SGS-SAR Lab

## TFB1A WIFI5G 802.11n-HT40 110CH Top side 0mm

**DUT: TFB1A; Type: Wireless Data Terminal; Serial: LF03E53N00011**

Communication System: UID 0, WI-FI(5GHz) (0); Frequency: 5550 MHz; Duty Cycle: 1:1.117

Medium: HSL5G; Medium parameters used:  $f = 5550$  MHz;  $\sigma = 5.102$  S/m;  $\epsilon_r = 35.157$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3923; ConvF(5, 5, 5); Calibrated: 2024/11/04
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1245; Calibrated: 2024/06/05
- Phantom: SAM 7; Type: SAM; Serial: 1702
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

**Configuration/Body/Area Scan (9x19x1):** Measurement grid: dx=10mm, dy=10mm  
Maximum value of SAR (measured) = 1.32 W/kg

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

Reference Value = 0.2000 V/m; Power Drift = -0.09 dB

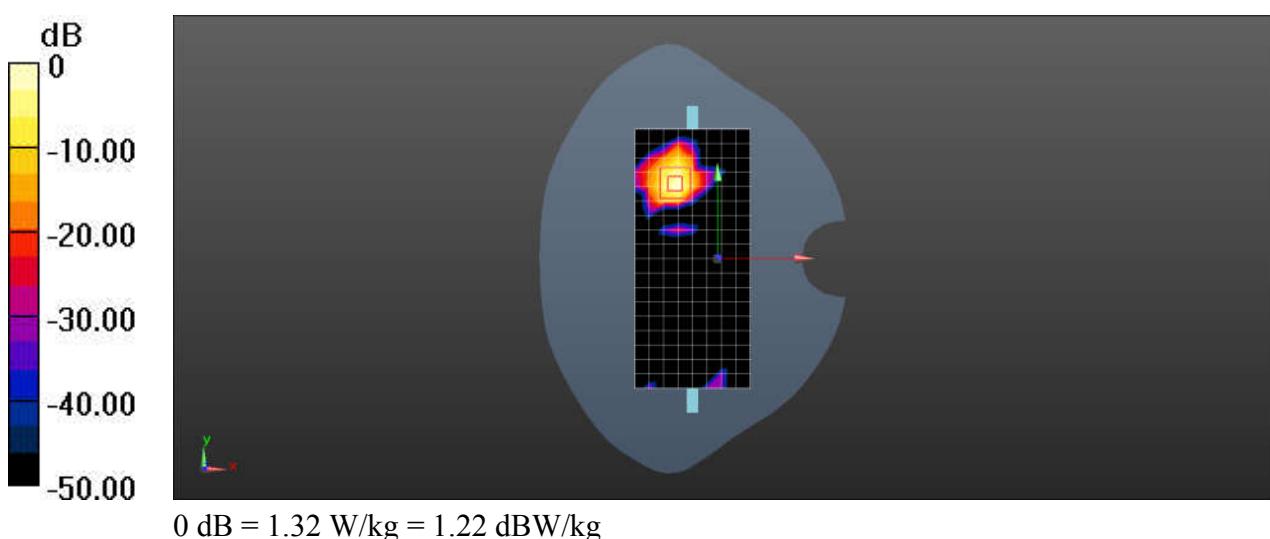
Peak SAR (extrapolated) = 2.45 W/kg

**SAR(1 g) = 0.551 W/kg; SAR(10 g) = 0.123 W/kg**

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

Ratio of SAR at M2 to SAR at M1 = 64.5%

Maximum value of SAR (measured) = 1.54 W/kg



Test Laboratory: SGS-SAR Lab

## TFB1A WIFI5G 802.11n-HT40 159CH Top side 0mm

**DUT: TFB1A; Type: Wireless Data Terminal; Serial: LF03E53N00011**

Communication System: UID 0, WI-FI(5GHz) (0); Frequency: 5795 MHz; Duty Cycle: 1:1.117

Medium: HSL5G; Medium parameters used:  $f = 5795$  MHz;  $\sigma = 5.399$  S/m;  $\epsilon_r = 34.554$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3923; ConvF(5.06, 5.06, 5.06); Calibrated: 2024/11/04
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1245; Calibrated: 2024/06/05
- Phantom: SAM 7; Type: SAM; Serial: 1702
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

**Configuration/Body/Area Scan (9x19x1):** Measurement grid: dx=10mm, dy=10mm  
Maximum value of SAR (measured) = 1.87 W/kg

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

Reference Value = 1.384 V/m; Power Drift = 0.01 dB

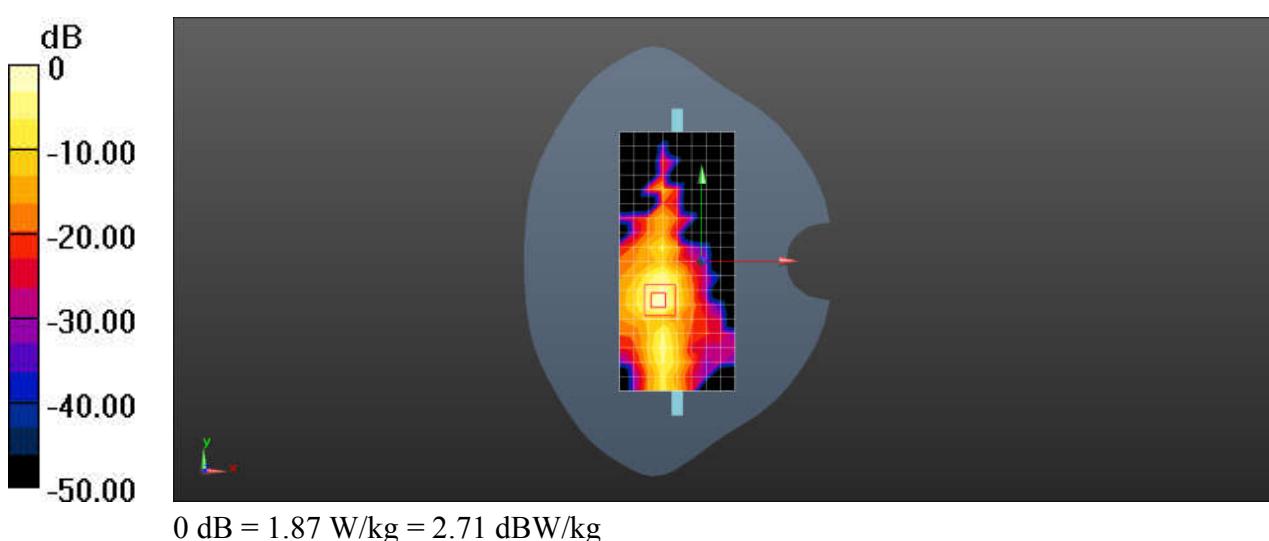
Peak SAR (extrapolated) = 3.68 W/kg

**SAR(1 g) = 0.861 W/kg; SAR(10 g) = 0.219 W/kg**

Smallest distance from peaks to all points 3 dB below = 6.1 mm

Ratio of SAR at M2 to SAR at M1 = 65.4%

Maximum value of SAR (measured) = 2.21 W/kg



**WIFI6G 802.11ax 80M 215CH Top side 0mm**

Communication System: U-NII-6; Frequency: 7025.000

Medium: Head Simulating Liquid. Medium parameters used:  $f = 7025.000$  MHz;  $\sigma = 6.85$  S/m;  $\epsilon_r = 32.5$ 

DASY8 Configuration:

- Probe: EX3DV4 - SN7735; ConvF(5.4, 5.62, 5.52); Calibrated: 2025-01-29
- Sensor-Surface: 1.4 mm
- Electronics: DAE4ip Sn1826; Calibrated: 2025-02-17
- Phantom: Twin-SAM V8.0 (30deg probe tilt); Serial: 2155
- Measurement Software: cDASY8 V16.2.0.1425

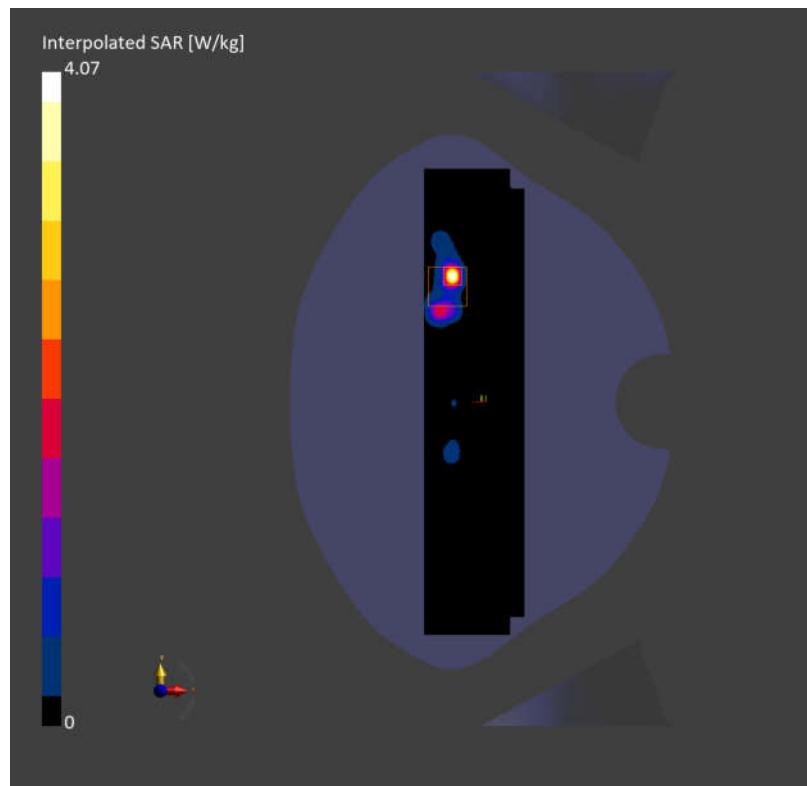
**Area Scan (48.0 mm x 153.0 mm):** Measurement Grid: 8.0 mm x 8.5 mm  
SAR (1g) = 0.235 W/kg; SAR (8g) = 0.058 W/kg; SAR (10g) = 0.051 W/kg;**Zoom Scan (23.4 mm x 23.4 mm x 25.0 mm):** Measurement Grid: 2.6 mm x 2.6 mm x 1.2 mm

Power Drift = -0.07 dB

**SAR (1g) = 0.237 W/kg; SAR (8g) = 0.062 W/kg; SAR (10g) = 0.054 W/kg;**psAPD (4.0cm<sup>2</sup>, sq) [W/m<sup>2</sup>] 1.21

M2/M1 [%] 58.8

Dist 3dB Peak [mm] 3.5



Test Laboratory: SGS-SAR Lab

## TFB1A Bluetooth DH5 39CH Back side 0mm

**DUT: TFB1A; Type: Wireless Data Terminal; Serial: LF03E53N00011**

Communication System: UID 0, Bluetooth (0); Frequency: 2441 MHz; Duty Cycle: 1:1.3

Medium: HSL2450; Medium parameters used:  $f = 2441$  MHz;  $\sigma = 1.847$  S/m;  $\epsilon_r = 38.016$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3923; ConvF(7.98, 7.98, 7.98); Calibrated: 2024/11/04
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1245; Calibrated: 2024/06/05
- Phantom: SAM 7; Type: SAM; Serial: 1702
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

**Configuration/Body/Area Scan (7x16x1):** Measurement grid: dx=12mm, dy=12mm  
Maximum value of SAR (measured) = 0.386 W/kg

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

Reference Value = 1.090 V/m; Power Drift = 0.02 dB

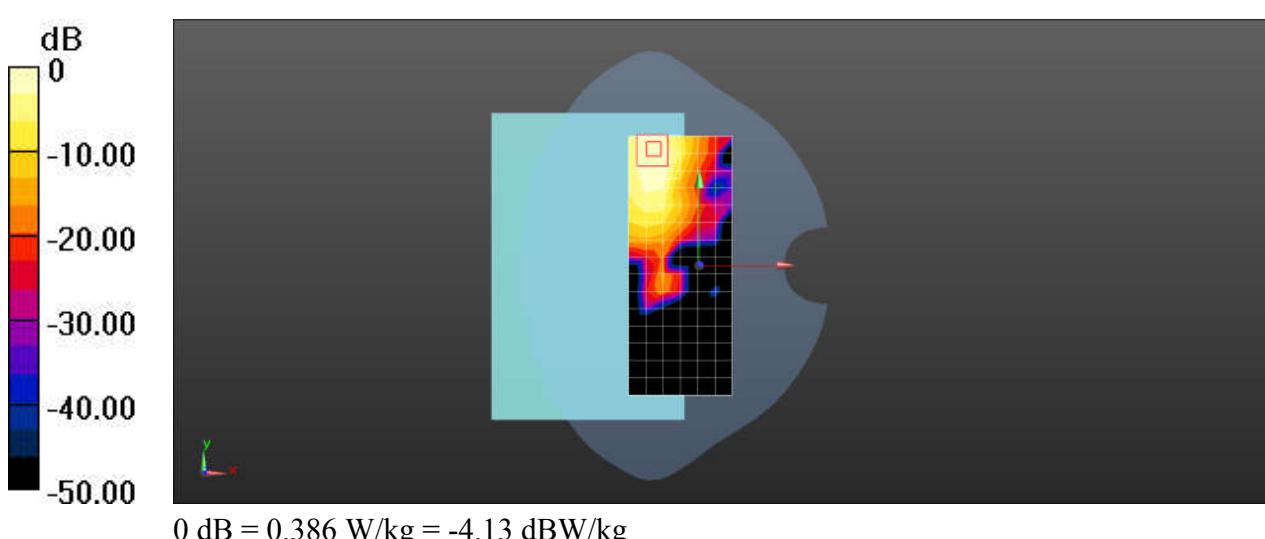
Peak SAR (extrapolated) = 0.646 W/kg

**SAR(1 g) = 0.311 W/kg; SAR(10 g) = 0.141 W/kg**

Smallest distance from peaks to all points 3 dB below = 7.2 mm

Ratio of SAR at M2 to SAR at M1 = 49.8%

Maximum value of SAR (measured) = 0.498 W/kg





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

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