

# Appendix B

## Detailed Test Results

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|--------------------------------------|
| WIFI 2.4G for Head, Body & Extremity |
| WIFI 5G for Head, Body & Extremity   |
| BT for Head, Body & Extremity        |



Test Laboratory: SGS-SAR Lab

**AC006 WIFI 2.4G 802.11b 1CH Top side 0mm Ant0****DUT: AC006**

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

Medium: HSL2450;Medium parameters used:  $f = 2412$  MHz;  $\sigma = 1.761$  S/m;  $\epsilon_r = 38.473$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3836; ConvF(7.35, 7.35, 7.35); 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 (8x10x1):** Measurement grid: dx=12mm, dy=12mm

Maximum value of SAR (measured) = 1.84 W/kg

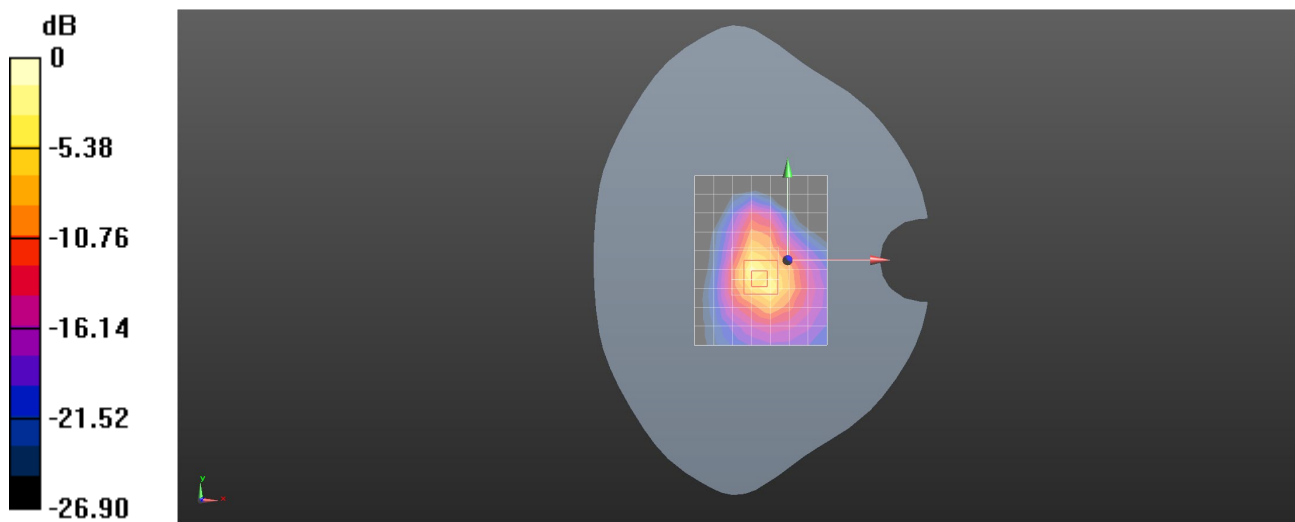
**Configuration/Body/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 23.26 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 5.32 W/kg

**SAR(1 g) = 1.77 W/kg; SAR(10 g) = 0.596 W/kg**

Maximum value of SAR (measured) = 3.43 W/kg



0 dB = 3.43 W/kg = 5.35 dBW/kg

Test Laboratory: SGS-SAR Lab

**AC006 WIFI 2.4G 802.11nHT20M 11CH Top side 10mm MIMO****DUT: AC006**

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

Medium: HSL2450;Medium parameters used:  $f = 2462$  MHz;  $\sigma = 1.792$  S/m;  $\epsilon_r = 38.376$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3836; ConvF(7.35, 7.35, 7.35); 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 (8x10x1):** Measurement grid: dx=12mm, dy=12mm

Maximum value of SAR (measured) = 0.377 W/kg

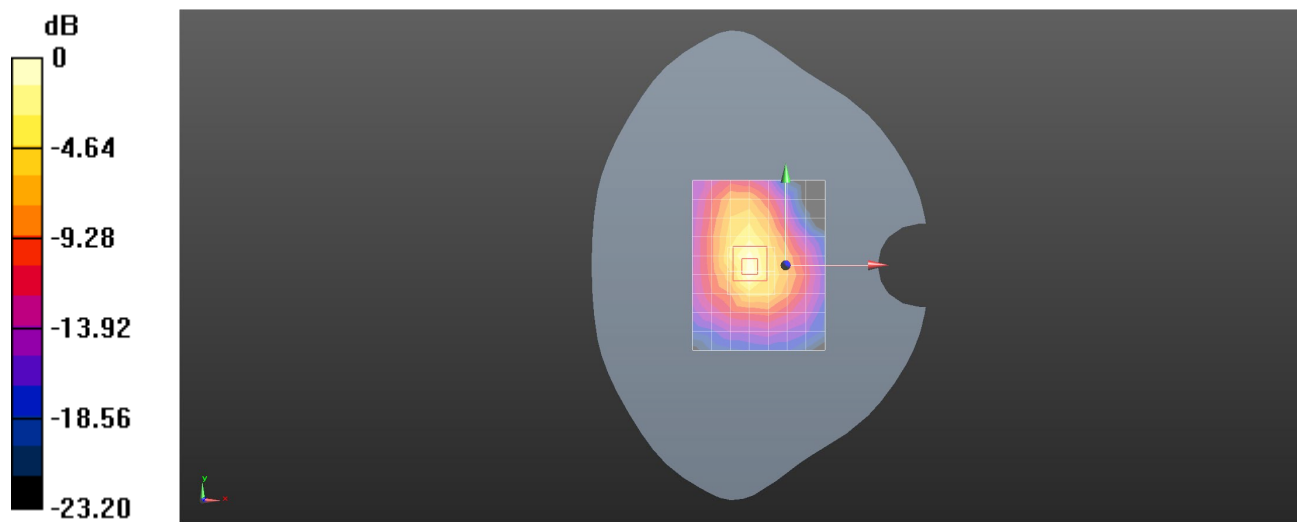
**Configuration/Body/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 10.70 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 0.509 W/kg

**SAR(1 g) = 0.238 W/kg; SAR(10 g) = 0.108 W/kg**

Maximum value of SAR (measured) = 0.407 W/kg



0 dB = 0.407 W/kg = -3.90 dBW/kg

Test Laboratory: SGS-SAR Lab

**AC006 WIFI 5G 802.11a 157CH Top side 0mm Ant0****DUT: AC006**

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

Medium: HSL5G;Medium parameters used:  $f = 5785$  MHz;  $\sigma = 5.234$  S/m;  $\epsilon_r = 35.263$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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 (9x12x1):** Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 12.7 W/kg

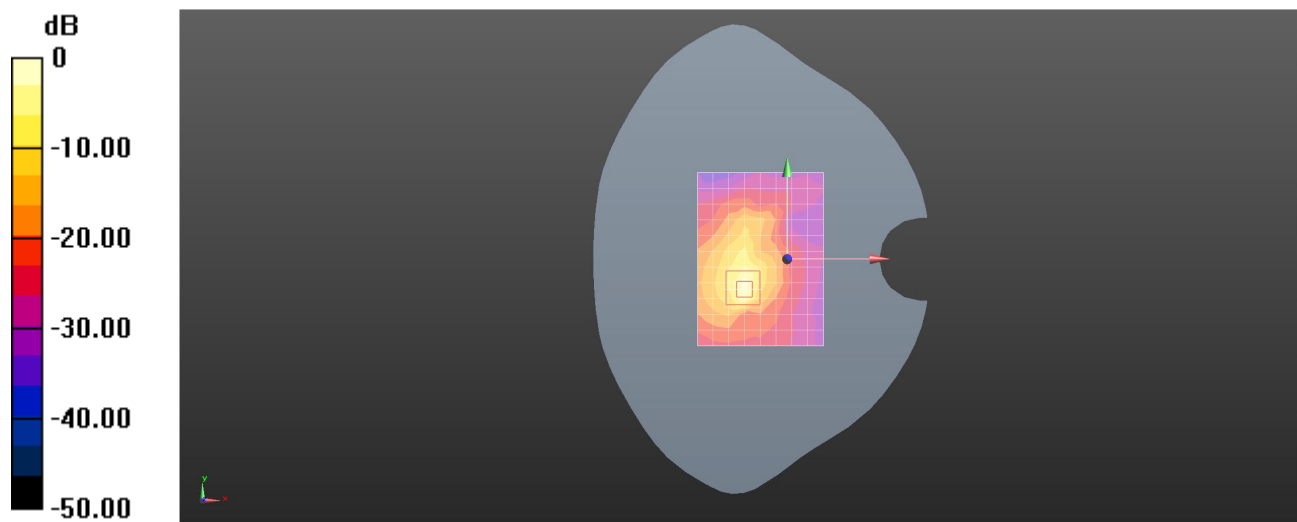
**Configuration/Body/Zoom Scan (7x7x12)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 7.824 V/m; Power Drift = 0.11 dB

Peak SAR (extrapolated) = 35.6 W/kg

**SAR(1 g) = 5.49 W/kg; SAR(10 g) = 1.13 W/kg**

Maximum value of SAR (measured) = 17.9 W/kg



0 dB = 17.9 W/kg = 12.53 dBW/kg

Test Laboratory: SGS-SAR Lab

## AC006 WIFI 5G 802.11a 157CH Top side 10mm Ant0

### DUT: AC006

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

Medium: HSL5G; Medium parameters used:  $f = 5785 \text{ MHz}$ ;  $\sigma = 5.234 \text{ S/m}$ ;  $\epsilon_r = 35.263$ ;  $\rho = 1000 \text{ kg/m}^3$

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 (9x12x1):** Measurement grid:  $dx=10\text{mm}$ ,  $dy=10\text{mm}$

Maximum value of SAR (measured) = 2.71 W/kg

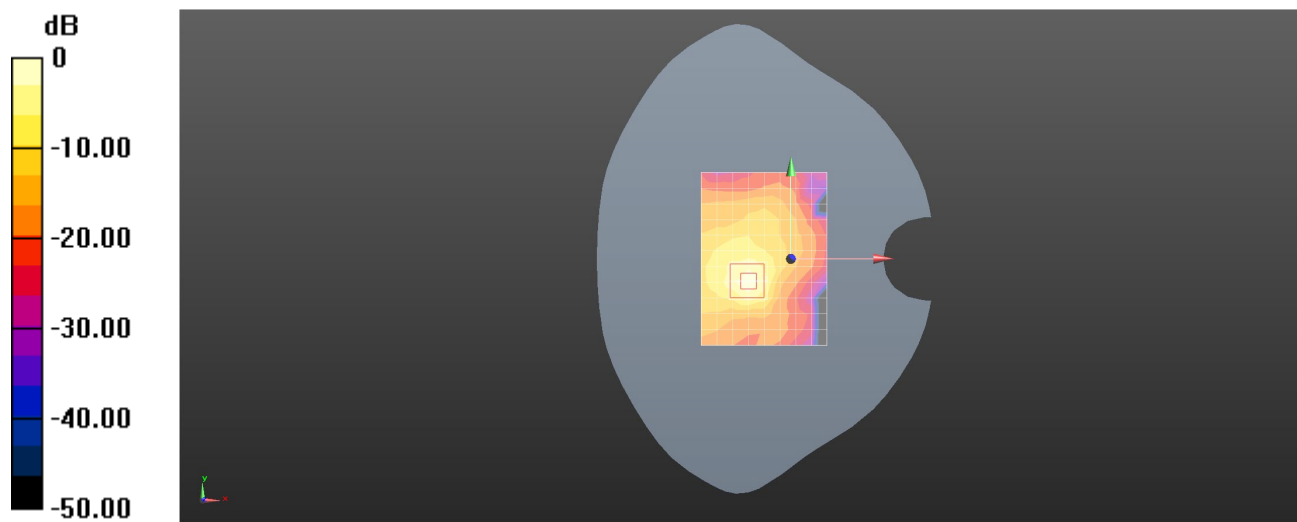
**Configuration/Body/Zoom Scan (7x7x12)/Cube 0:** Measurement grid:  $dx=4\text{mm}$ ,  $dy=4\text{mm}$ ,  $dz=2\text{mm}$

Reference Value = 5.281 V/m; Power Drift = -0.10 dB

Peak SAR (extrapolated) = 4.57 W/kg

**SAR(1 g) = 0.997 W/kg; SAR(10 g) = 0.266 W/kg**

Maximum value of SAR (measured) = 2.58 W/kg



0 dB = 2.58 W/kg = 4.12 dBW/kg

Test Laboratory: SGS-SAR Lab

**AC006 Bluetooth DH5 78CH Top side 0mm****DUT: AC006**

Communication System: UID 0, Bluetooth (0); Frequency: 2480 MHz; Duty Cycle: 1:1

Medium: HSL2450; Medium parameters used:  $f = 2480$  MHz;  $\sigma = 1.804$  S/m;  $\epsilon_r = 38.334$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3836; ConvF(7.35, 7.35, 7.35); 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 (6x10x1):** Measurement grid: dx=12mm, dy=12mm

Maximum value of SAR (measured) = 0.320 W/kg

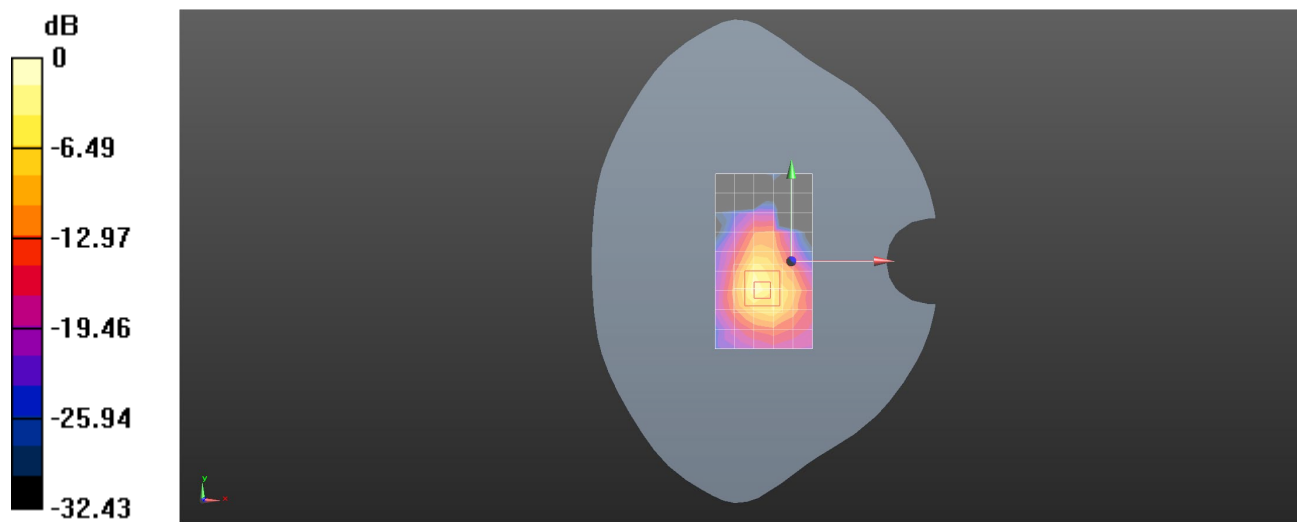
**Configuration/Body/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 6.762 V/m; Power Drift = 0.18 dB

Peak SAR (extrapolated) = 0.948 W/kg

**SAR(1 g) = 0.298 W/kg; SAR(10 g) = 0.096 W/kg**

Maximum value of SAR (measured) = 0.592 W/kg



0 dB = 0.592 W/kg = -2.28 dBW/kg

Test Laboratory: SGS-SAR Lab

**AC006 Bluetooth DH5 78CH Top side 10mm****DUT: AC006**

Communication System: UID 0, Bluetooth (0); Frequency: 2480 MHz; Duty Cycle: 1:1

Medium: HSL2450; Medium parameters used:  $f = 2480$  MHz;  $\sigma = 1.804$  S/m;  $\epsilon_r = 38.334$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3836; ConvF(7.35, 7.35, 7.35); 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 (6x10x1):** Measurement grid: dx=12mm, dy=12mm

Maximum value of SAR (measured) = 0.0389 W/kg

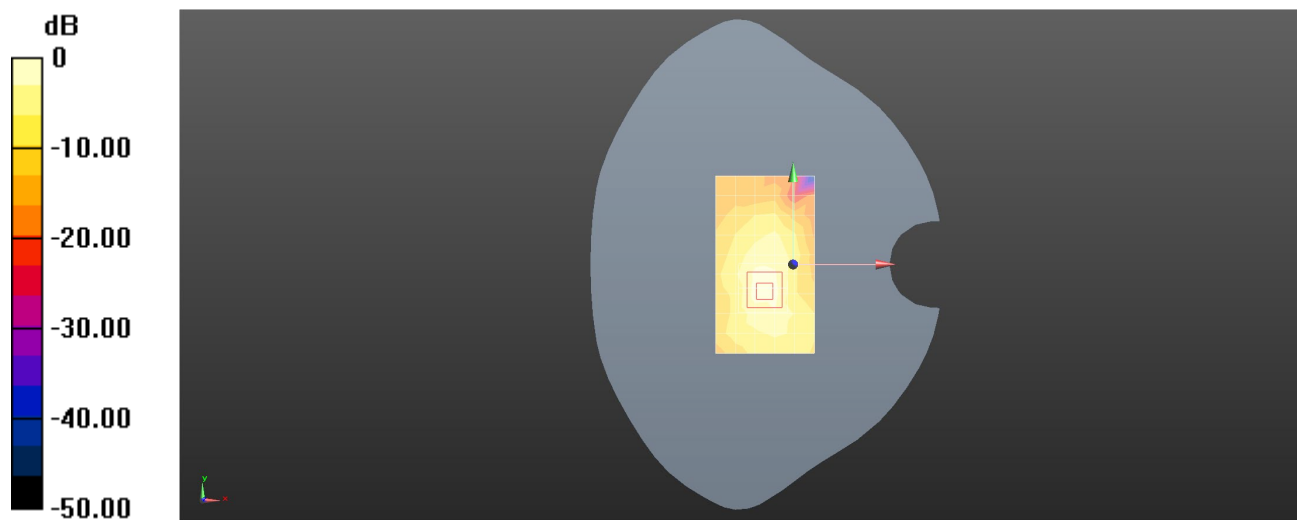
**Configuration/Body/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 3.254 V/m; Power Drift = 0.05 dB

Peak SAR (extrapolated) = 0.0790 W/kg

**SAR(1 g) = 0.034 W/kg; SAR(10 g) = 0.014 W/kg**

Maximum value of SAR (measured) = 0.0592 W/kg



0 dB = 0.0592 W/kg = -12.28 dBW/kg