

# Appendix B

## Detailed Test Results

WIFI 2.4G for Body
WIFI 5G for Body
BT for Body

Test Laboratory: SGS-SAR Lab

## AC003 Bluetooth DH5 39CH Top side 0mm Ant1

**DUT: AC003; Type: Osmo action 4**

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

Medium: HSL2450; Medium parameters used:  $f = 2441$  MHz;  $\sigma = 1.767$  S/m;  $\epsilon_r = 40.721$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN7620; ConvF(8.22, 8.22, 8.22); Calibrated: 2023/12/13
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1267; Calibrated: 2024/1/3
- Phantom: SAM 1; Type: SAM; Serial: 1912
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

**Configuration/Body/Area Scan (7x9x1):** Measurement grid: dx=12mm, dy=12mm

Maximum value of SAR (measured) = 1.33 W/kg

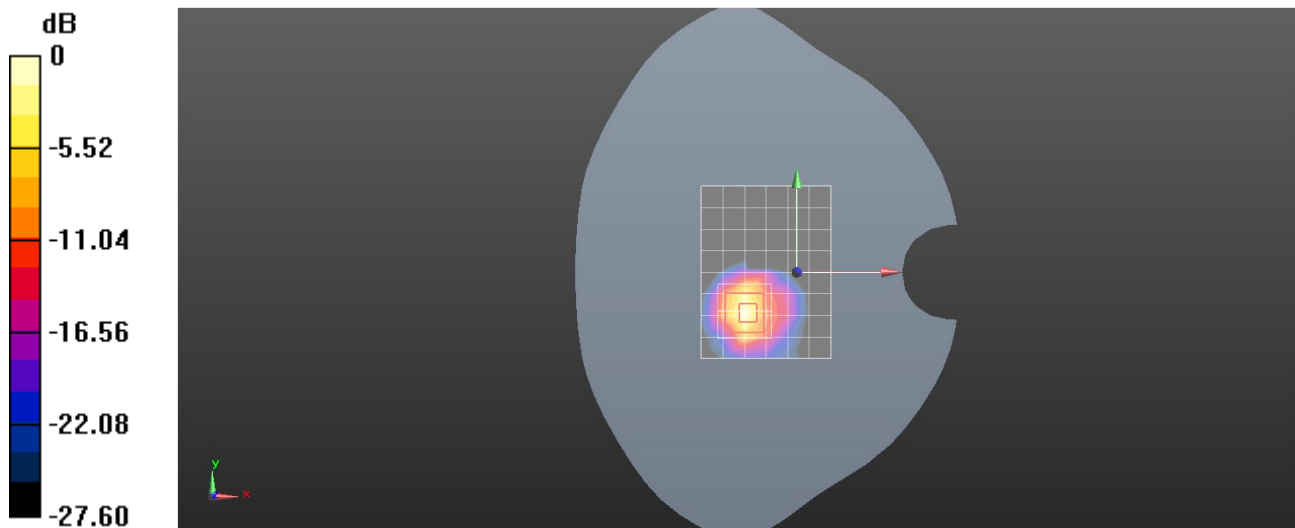
**Configuration/Body/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 4.185 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 2.55 W/kg

**SAR(1 g) = 0.704 W/kg; SAR(10 g) = 0.211 W/kg**

Maximum value of SAR (measured) = 1.38 W/kg



0 dB = 1.38 W/kg = 1.40 dBW/kg

Test Laboratory: SGS-SAR Lab

## AC003 Bluetooth DH5 78CH Top side 5mm Ant1

**DUT: AC003; Type: Osmo action 4**

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

Medium: HSL2450; Medium parameters used:  $f = 2480$  MHz;  $\sigma = 1.811$  S/m;  $\epsilon_r = 40.608$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN7620; ConvF(8.22, 8.22, 8.22); Calibrated: 2023/12/13
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1267; Calibrated: 2024/1/3
- Phantom: SAM 1; Type: SAM; Serial: 1912
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

**Configuration/Body/Area Scan (7x9x1):** Measurement grid: dx=12mm, dy=12mm

Maximum value of SAR (measured) = 0.242 W/kg

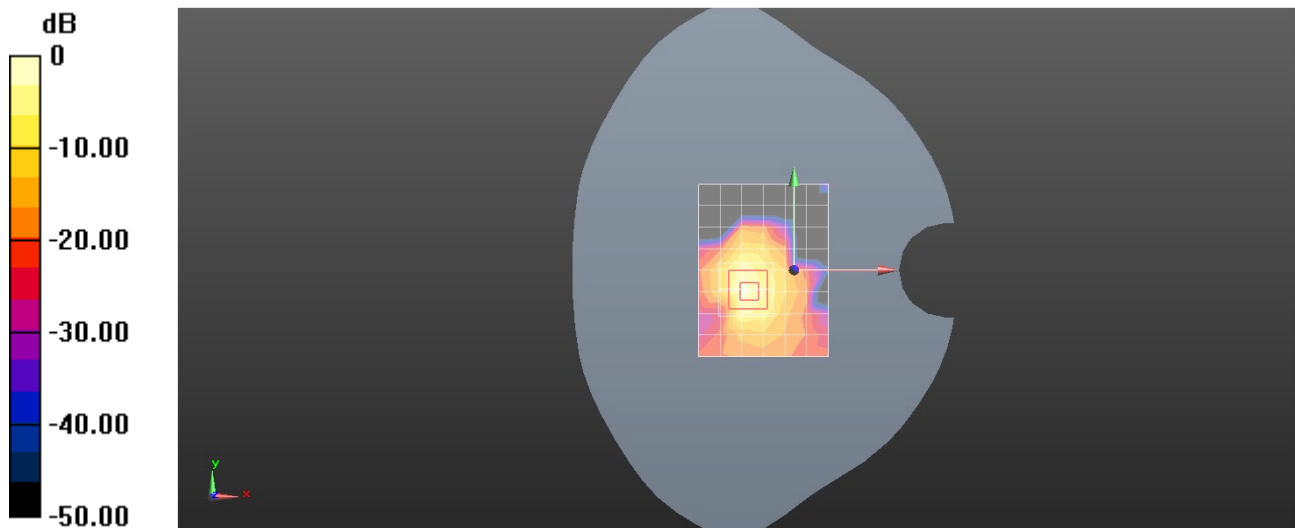
**Configuration/Body/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 4.464 V/m; Power Drift = 0.08 dB

Peak SAR (extrapolated) = 0.499 W/kg

**SAR(1 g) = 0.174 W/kg; SAR(10 g) = 0.059 W/kg**

Maximum value of SAR (measured) = 0.341 W/kg



0 dB = 0.341 W/kg = -4.67 dBW/kg

Test Laboratory: SGS-SAR Lab

## AC003 WIFI 2.4G 802.11b 1CH Top side 5mm Ant1

**DUT: AC003; Type: Osmo action 4**

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

Medium: HSL2450;Medium parameters used:  $f = 2412$  MHz;  $\sigma = 1.734$  S/m;  $\epsilon_r = 40.835$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN7620; ConvF(8.22, 8.22, 8.22) @ 2412 MHz; Calibrated: 2023/12/13
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1267; Calibrated: 2024/1/3
- Phantom: SAM 1; Type: SAM; Serial: 1912
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

**Configuration/Body/Area Scan (6x9x1):** Measurement grid: dx=12mm, dy=12mm

Maximum value of SAR (measured) = 2.59 W/kg

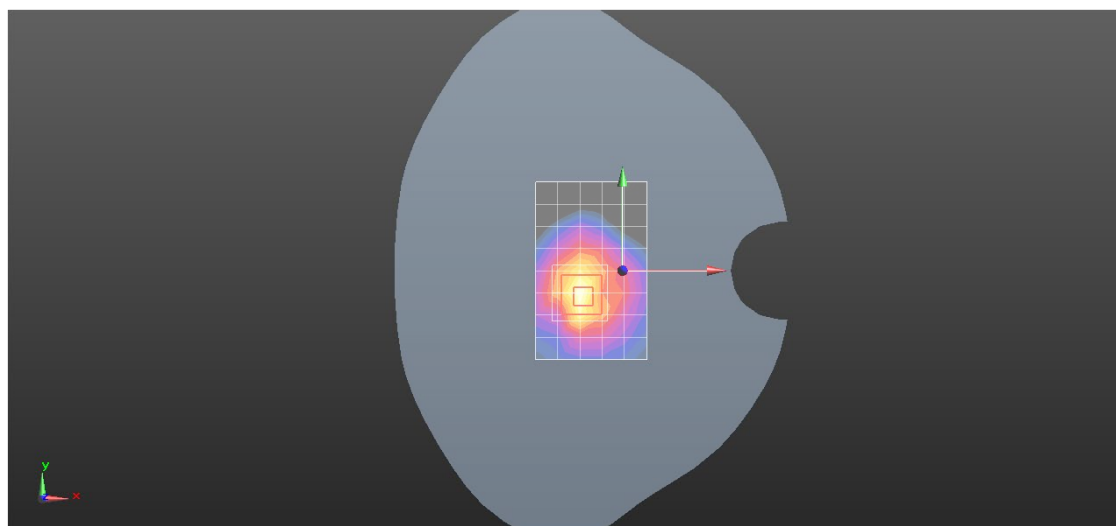
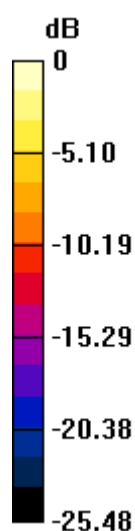
**Configuration/Body/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 12.94 V/m; Power Drift = 0.05 dB

Peak SAR (extrapolated) = 3.81 W/kg

**SAR(1 g) = 1.29 W/kg; SAR(10 g) = 0.441 W/kg**

Maximum value of SAR (measured) = 2.57 W/kg



0 dB = 2.57 W/kg = 4.10 dBW/kg

Test Laboratory: SGS-SAR Lab

## AC003 WIFI 2.4G 802.11b 6CH Top side 0mm Ant1

**DUT: AC003; Type: Osmo action 4**

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

Medium: HSL2450;Medium parameters used:  $f = 2437$  MHz;  $\sigma = 1.762$  S/m;  $\epsilon_r = 40.736$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN7620; ConvF(8.22, 8.22, 8.22); Calibrated: 2023/12/13
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1267; Calibrated: 2024/1/3
- Phantom: SAM 1; Type: SAM; Serial: 1912
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

**Configuration/Body/Area Scan (6x9x1):** Measurement grid: dx=12mm, dy=12mm

Maximum value of SAR (measured) = 8.26 W/kg

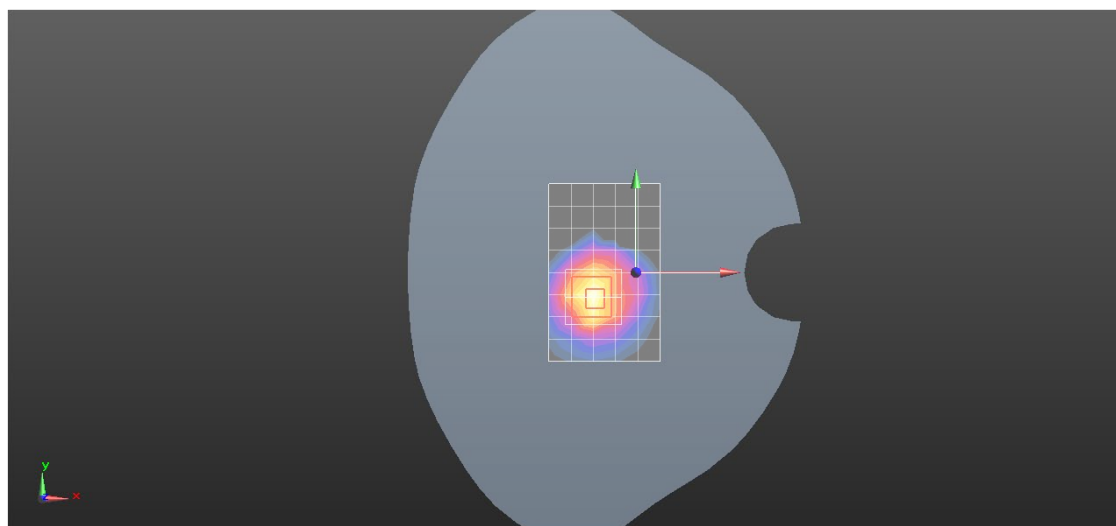
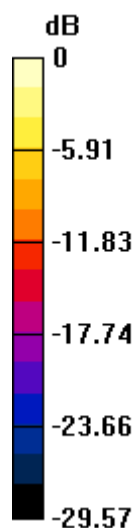
**Configuration/Body/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 16.47 V/m; Power Drift = 0.09dB

Peak SAR (extrapolated) = 12.2 W/kg

**SAR(1 g) = 3.41 W/kg; SAR(10 g) = 1.05 W/kg**

Maximum value of SAR (measured) = 8.45 W/kg



0 dB = 8.45 W/kg = 9.27 dBW/kg

Test Laboratory: SGS-SAR Lab

## AC003 WIFI 5G 802.11n40 38CH Top side 0mm Ant1

**DUT: AC003; Type: Osmo action 4**

Communication System: UID 0, WI-FI(5GHz) (0); Frequency: 5190 MHz;Duty Cycle: 1:1

Medium: HSL5G;Medium parameters used:  $f = 5190$  MHz;  $\sigma = 4.572$  S/m;  $\epsilon_r = 35.731$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN7838; ConvF(5.34, 5.25, 5.46); Calibrated: 2023/9/11
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1267; Calibrated: 2024/1/3
- Phantom: SAM 1; Type: SAM; Serial: 1912
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

**Configuration/Body/Area Scan (7x10x1):** Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 4.65 W/kg

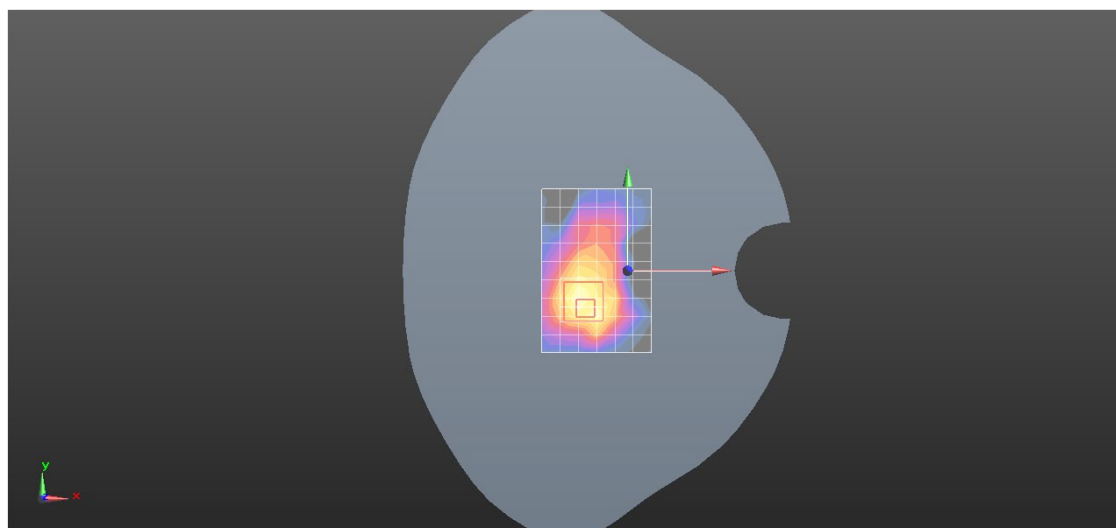
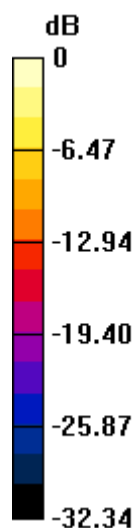
**Configuration/Body/Zoom Scan (7x7x12)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 10.22 V/m; Power Drift = 0.05 dB

Peak SAR (extrapolated) = 11.4 W/kg

**SAR(1 g) = 2.26 W/kg; SAR(10 g) = 0.681 W/kg**

Maximum value of SAR (measured) = 6.56 W/kg



0 dB = 6.56 W/kg = 8.17 dBW/kg

Test Laboratory: SGS-SAR Lab

## AC003 WIFI 5G 802.11ac20 40CH Top side 5mm Ant1

**DUT: AC003; Type: Osmo action 4**

Communication System: UID 0, WI-FI(5GHz) (0); Frequency: 5200 MHz;Duty Cycle: 1:1

Medium: HSL5G;Medium parameters used:  $f = 5200$  MHz;  $\sigma = 4.584$  S/m;  $\epsilon_r = 35.765$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN7821; ConvF(5.5, 5.72, 5.86); Calibrated: 2023/7/17
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1267; Calibrated: 2024/1/3
- Phantom: SAM 1; Type: SAM; Serial: 1912
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

**Configuration/Body/Area Scan (7x10x1):** Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 2.77 W/kg

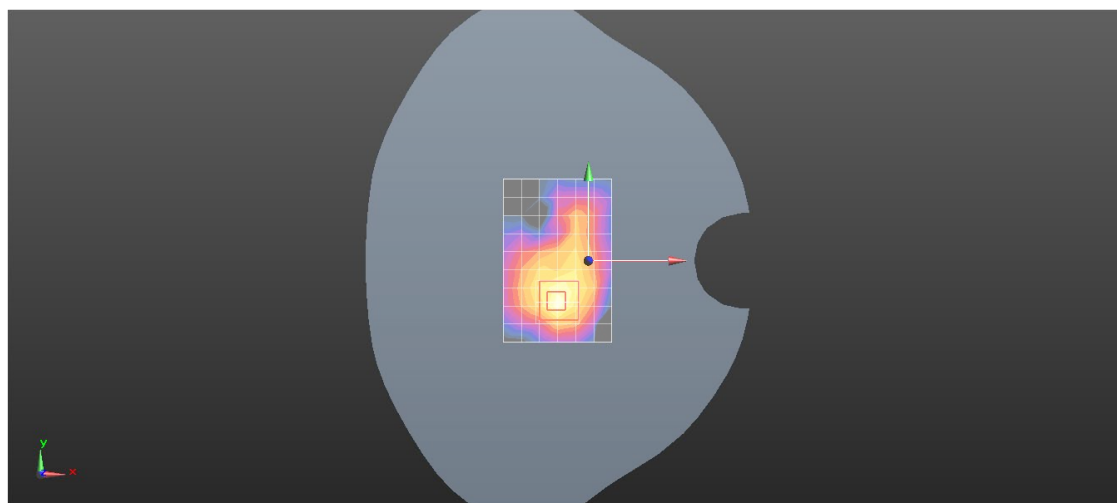
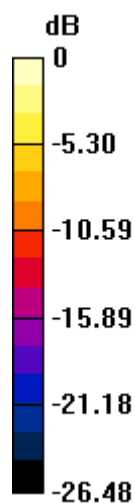
**Configuration/Body/Zoom Scan (7x7x12)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 7.887 V/m; Power Drift = -0.09 dB

Peak SAR (extrapolated) = 5.28 W/kg

**SAR(1 g) = 1.17 W/kg; SAR(10 g) = 0.322 W/kg**

Maximum value of SAR (measured) = 3.06 W/kg



0 dB = 3.06 W/kg = 4.86 dBW/kg