

# Appendix B

## Detailed Test Results

2.4G for Head
BT for Head



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Test Laboratory: SGS-SAR Lab

## S6PXW 2.4G DH5 0CH Touch cheek

**DUT: S6PXW;**

Communication System: UID 0, Bluetooth (0); Frequency: 2402 MHz; Duty Cycle: 1:1.302

Medium: HSL2300~2700; Medium parameters used:  $f = 2402$  MHz;  $\sigma = 1.787$  S/m;  $\epsilon_r = 40.297$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3789; ConvF(6.98, 6.98, 6.98); Calibrated: 2025-01-15
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1663; Calibrated: 2024-04-16
- Phantom: SAM 6; Type: SAM Twin; Serial: 1913
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

**Configuration/Body/Area Scan (10x12x1):** Measurement grid: dx=12mm, dy=12mm

Maximum value of SAR (measured) = 0.0192 W/kg

**Configuration/Body/Zoom Scan (7x7x5)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 1.547 V/m; Power Drift = 0.09 dB

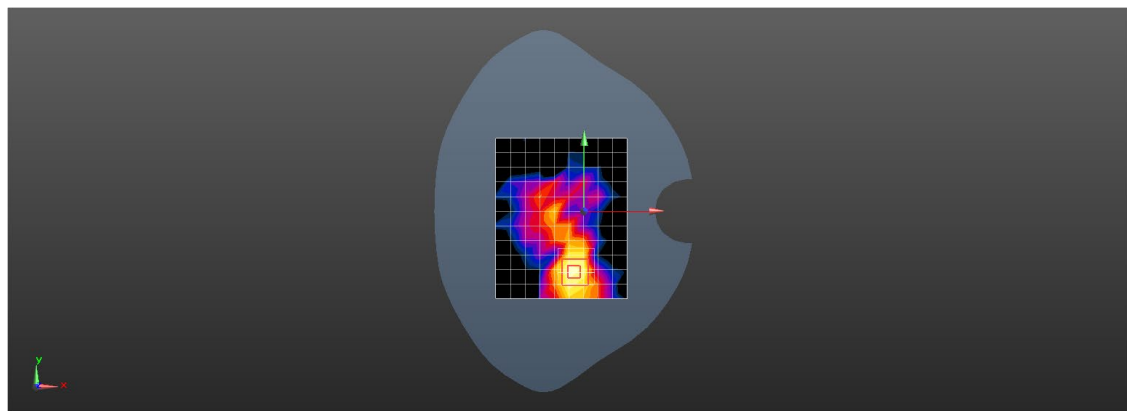
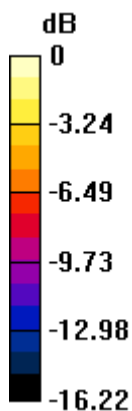
Peak SAR (extrapolated) = 0.0260 W/kg

**SAR(1 g) = 0.014 W/kg; SAR(10 g) = 0.008 W/kg**

Smallest distance from peaks to all points 3 dB below = 5.5 mm

Ratio of SAR at M2 to SAR at M1 = 58.5%

Maximum value of SAR (measured) = 0.0217 W/kg



0 dB = 0.0217 W/kg = -16.64 dBW/kg

Test Laboratory: SGS-SAR Lab

## S6PXW 2.4G DH5 0CH Rear cheek

**DUT: S6PXW;**

Communication System: UID 0, Bluetooth (0); Frequency: 2402 MHz; Duty Cycle: 1:1.302

Medium: HSL2300~2700; Medium parameters used:  $f = 2402$  MHz;  $\sigma = 1.787$  S/m;  $\epsilon_r = 40.297$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3789; ConvF(6.98, 6.98, 6.98); Calibrated: 2025-01-15
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1663; Calibrated: 2024-04-16
- Phantom: SAM 6; Type: SAM Twin; Serial: 1913
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

**Configuration/Body/Area Scan (10x11x1):** Measurement grid: dx=12mm, dy=12mm

Maximum value of SAR (measured) = 0.0463 W/kg

**Configuration/Body/Zoom Scan (7x7x5)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 0.1590 V/m; Power Drift = 0.02 dB

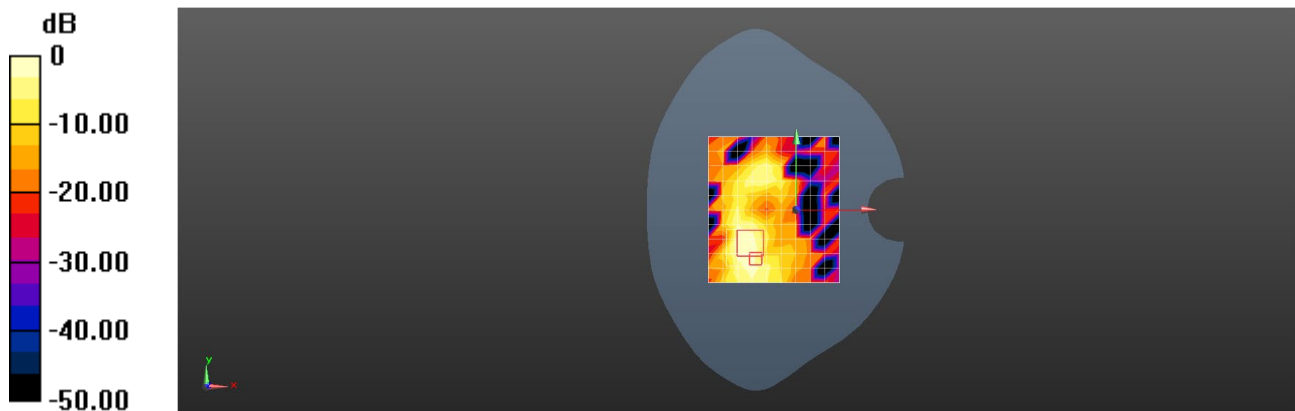
Peak SAR (extrapolated) = 0.0930 W/kg

**SAR(1 g) = 0.027 W/kg; SAR(10 g) = 0.007 W/kg**

Smallest distance from peaks to all points 3 dB below = 5.8 mm

Ratio of SAR at M2 to SAR at M1 = 52.2%

Maximum value of SAR (measured) = 0.0481 W/kg



0 dB = 0.0481 W/kg = -13.18 dBW/kg

Test Laboratory: SGS-SAR Lab

## S6PXW Bluetooth DH5 0CH Touch cheek

**DUT: S6PXW;**

Communication System: UID 0, Bluetooth (0); Frequency: 2402 MHz; Duty Cycle: 1:1.294

Medium: HSL2300~2700; Medium parameters used:  $f = 2402$  MHz;  $\sigma = 1.787$  S/m;  $\epsilon_r = 40.297$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3789; ConvF(6.98, 6.98, 6.98); Calibrated: 2025-01-15
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1663; Calibrated: 2024-04-16
- Phantom: SAM 6; Type: SAM Twin; Serial: 1913
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

**Configuration/Body/Area Scan (10x11x1):** Measurement grid: dx=12mm, dy=12mm

Maximum value of SAR (measured) = 0.0214 W/kg

**Configuration/Body/Zoom Scan (7x7x5)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 0.7510 V/m; Power Drift = 0.03 dB

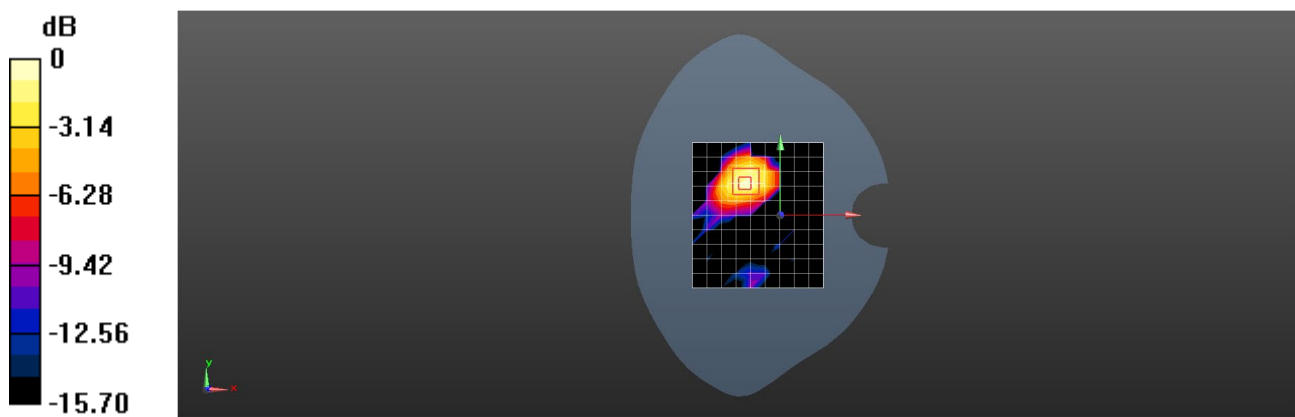
Peak SAR (extrapolated) = 0.0730 W/kg

**SAR(1 g) = 0.016 W/kg; SAR(10 g) = 0.008 W/kg**

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

Ratio of SAR at M2 to SAR at M1 = 61.5%

Maximum value of SAR (measured) = 0.0232 W/kg



0 dB = 0.0232 W/kg = -16.35 dBW/kg

Test Laboratory: SGS-SAR Lab

## S6PXW Bluetooth DH5 0CH Rear cheek

**DUT: S6PXW;**

Communication System: UID 0, Bluetooth (0); Frequency: 2402 MHz; Duty Cycle: 1:1.294

Medium: HSL2300~2700; Medium parameters used:  $f = 2402$  MHz;  $\sigma = 1.787$  S/m;  $\epsilon_r = 40.297$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3789; ConvF(6.98, 6.98, 6.98); Calibrated: 2025-01-15
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1663; Calibrated: 2024-04-16
- Phantom: SAM 6; Type: SAM Twin; Serial: 1913
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

**Configuration/Body/Area Scan (10x11x1):** Measurement grid: dx=12mm, dy=12mm

Maximum value of SAR (measured) = 0.0525 W/kg

**Configuration/Body/Zoom Scan (7x7x5)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 0.6310 V/m; Power Drift = 0.07 dB

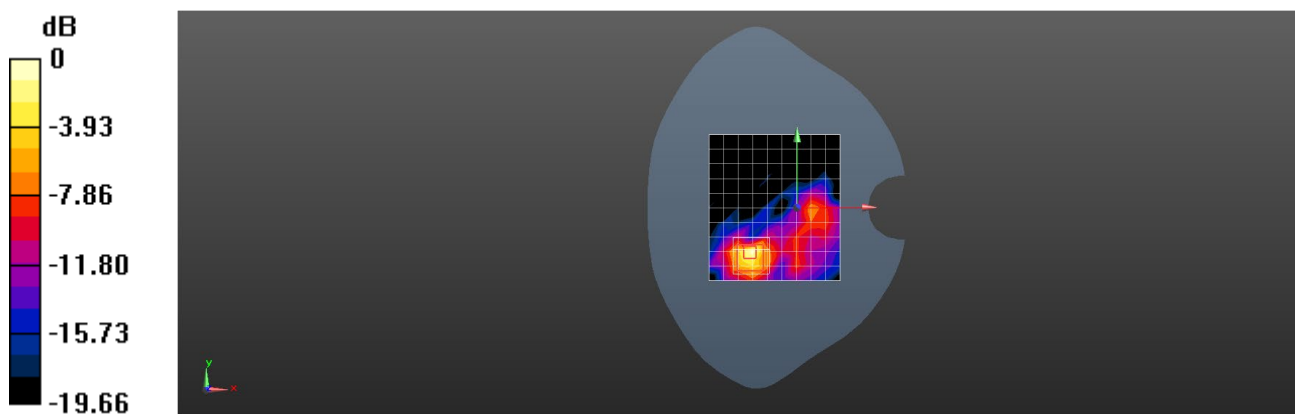
Peak SAR (extrapolated) = 0.113 W/kg

**SAR(1 g) = 0.029 W/kg; SAR(10 g) = 0.012 W/kg**

Smallest distance from peaks to all points 3 dB below = 5.6 mm

Ratio of SAR at M2 to SAR at M1 = 32.2%

Maximum value of SAR (measured) = 0.0574 W/kg



0 dB = 0.0574 W/kg = -12.41 dBW/kg