

# Appendix B

## Detailed Test Results

BT for Head



SGS-CSTC Standards Technical Services Co., Ltd.  
Shenzhen Branch Inspection & Testing Laboratory

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Test Laboratory: SGS-SAR Lab

## S2MGW Bluetooth DH5 39CH Top side 0mm

**DUT: S2MGW;**

Communication System: UID 0, Bluetooth (0); Frequency: 2441 MHz; Duty Cycle: 1:1.297

Medium: HSL2450; Medium parameters used:  $f = 2441$  MHz;  $\sigma = 1.807$  S/m;  $\epsilon_r = 38.512$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3789; ConvF(6.95, 6.95, 6.95); Calibrated: 2023/11/23
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1663; Calibrated: 2024/4/16
- Phantom: SAM 6; Type: SAM Twin; Serial: 1913
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

**Configuration/Body/Area Scan (8x8x1):** Measurement grid: dx=12mm, dy=12mm

Maximum value of SAR (measured) = 0.0770 W/kg

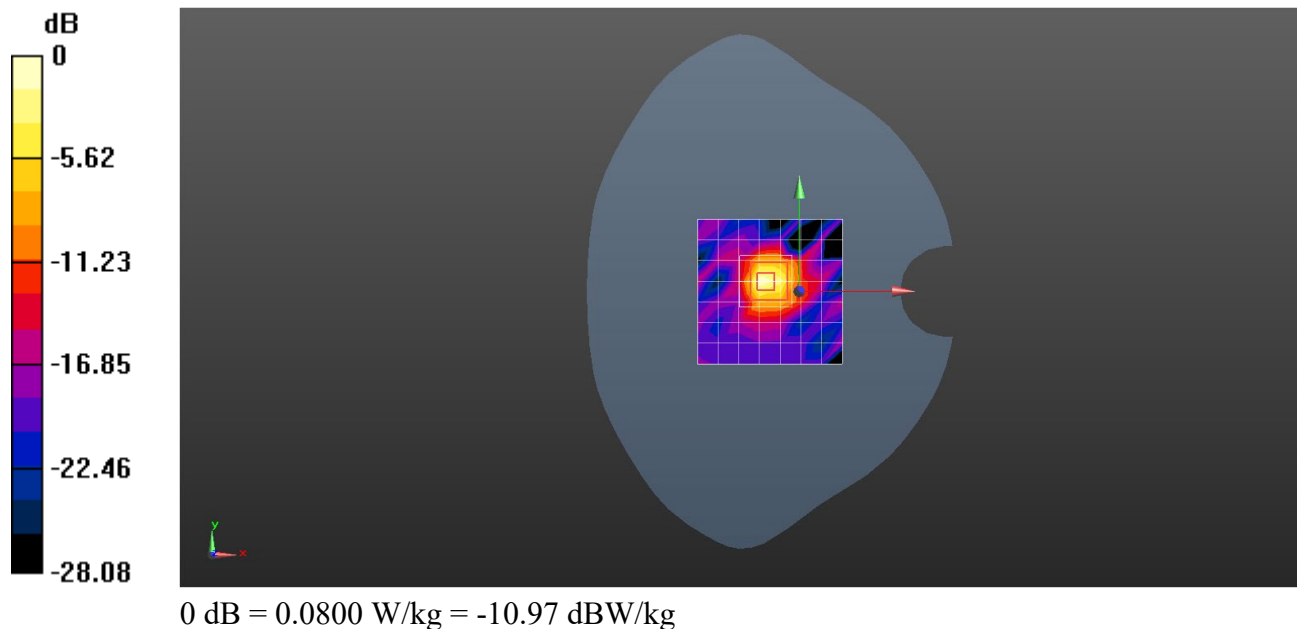
**Configuration/Body/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 4.363 V/m; Power Drift = 0.08 dB

Peak SAR (extrapolated) = 0.122 W/kg

**SAR(1 g) = 0.042 W/kg; SAR(10 g) = 0.016 W/kg**

Maximum value of SAR (measured) = 0.0800 W/kg



Test Laboratory: SGS-SAR Lab

## S2MGW Bluetooth DH5 0CH Front side 0mm

**DUT: S2MGW;**

Communication System: UID 0, Bluetooth (0); Frequency: 2402 MHz; Duty Cycle: 1:1.299

Medium: HSL2450; Medium parameters used:  $f = 2402$  MHz;  $\sigma = 1.779$  S/m;  $\epsilon_r = 38.502$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3789; ConvF(6.95, 6.95, 6.95); Calibrated: 2023/11/23
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1663; Calibrated: 2024/4/16
- Phantom: SAM 6; Type: SAM Twin; Serial: 1913
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

**Configuration/Body/Area Scan (8x8x1):** Measurement grid: dx=12mm, dy=12mm

Maximum value of SAR (measured) = 0.0867 W/kg

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

Reference Value = 3.086 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 0.166 W/kg

**SAR(1 g) = 0.035 W/kg; SAR(10 g) = 0.010 W/kg**

Maximum value of SAR (measured) = 0.0997 W/kg

