



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

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Appendix A

Detailed System Check Results

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| 1. System Performance Check            |
| System Performance Check 2450 MHz Head |

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Test Laboratory: SGS-SAR Lab

## System Performance Check 2450MHz Head

**DUT: D2450V2; Type: D2450V2; Serial: 922**

Communication System: UID 0, CW; Frequency: 2450 MHz; Duty Cycle: 1:1

Medium: HSL2450; Medium parameters used:  $f = 2450$  MHz;  $\sigma = 1.826$  S/m;  $\epsilon_r = 39.901$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3801; ConvF(7.41, 7.41, 7.41); Calibrated: 2024/06/20
- 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)

**Body/d=10mm, Pin=250mW/Area Scan (9x15x1):** Measurement grid: dx=12mm, dy=12mm

Maximum value of SAR (measured) = 20.7 W/kg

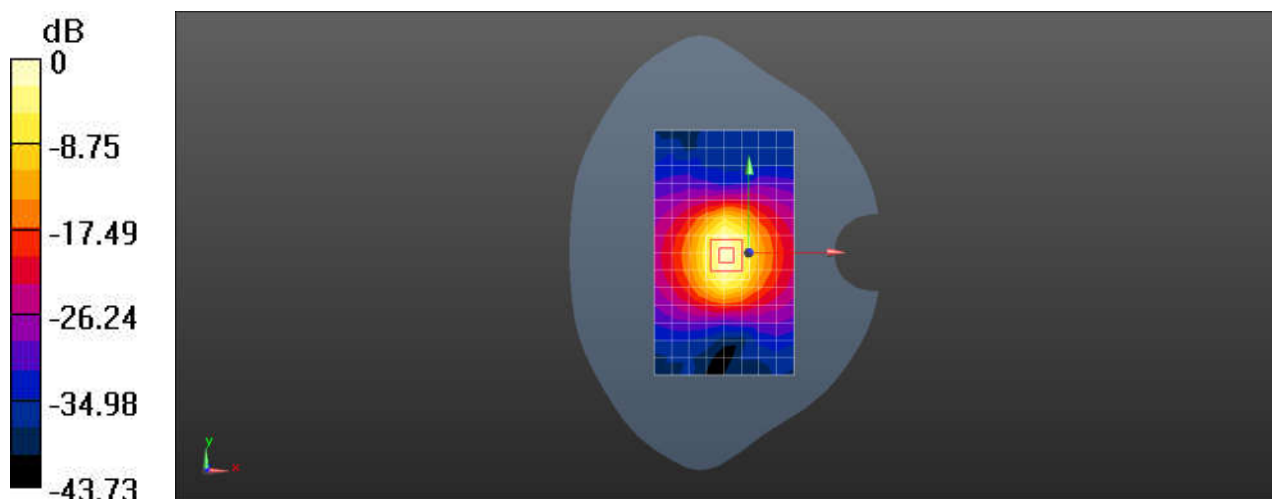
**Body/d=10mm, Pin=250mW/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 90.14 V/m; Power Drift = -0.19 dB

Peak SAR (extrapolated) = 25.9 W/kg

**SAR(1 g) = 13.1 W/kg; SAR(10 g) = 6.14 W/kg**

Maximum value of SAR (measured) = 21.2 W/kg



0 dB = 20.7 W/kg = 13.16 dBW/kg