

# Appendix A

## Detailed System Check Results

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

Test Laboratory: SGS-SAR Lab

## System Performance Check 2450MHz Head

**DUT: D2450V2; Type: Dipole; Serial: 733**

Communication System: CW; Frequency: 2450 MHz; Duty Cycle: 1:1

Medium: HSL2450; Medium parameters used:  $f = 2450$  MHz;  $\sigma = 1.756$  S/m;  $\epsilon_r = 39.261$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3836; ConvF(7.3, 7.3, 7.3); Calibrated: 2023/8/7;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn760; Calibrated: 2023/6/26
- Phantom: SAM5; Type: SAM Twin; Serial: 1673
- DASY52 52.8.4(1052); SEMCAD X 14.6.8(7028)

**Configuration/d=10mm, Pin=250mW/Area Scan (5x8x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 19.8 W/kg

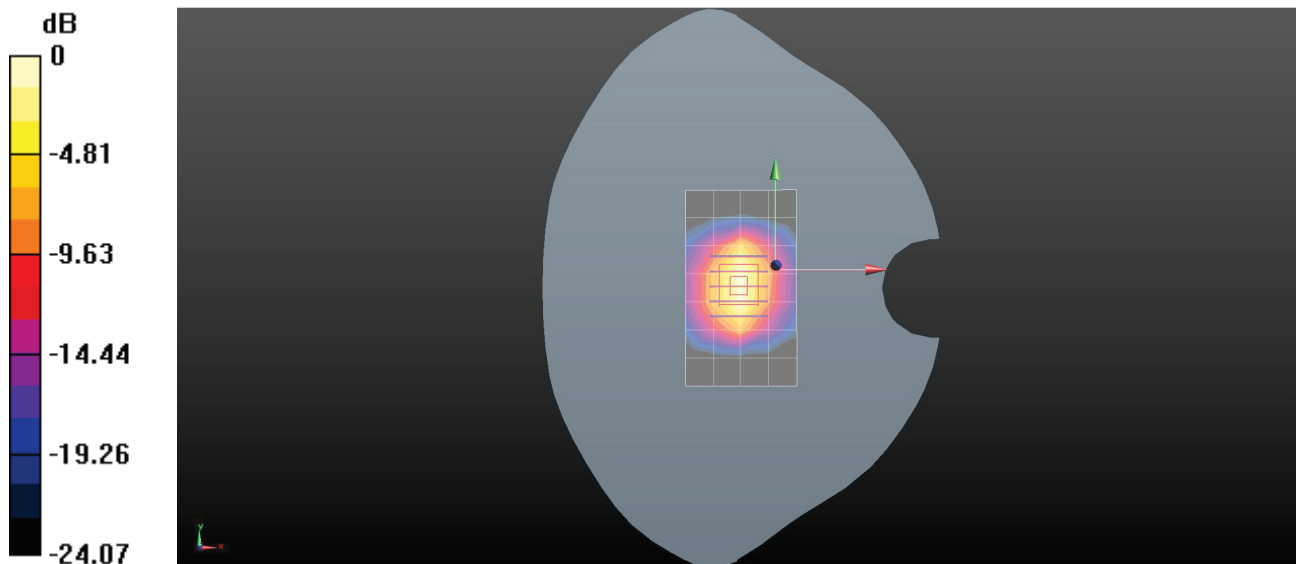
**Configuration/d=10mm, Pin=250mW/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 90.469 V/m; Power Drift = 0.16 dB

Peak SAR (extrapolated) = 27.4 W/kg

**SAR(1 g) = 13 W/kg; SAR(10 g) = 5.98 W/kg**

Maximum value of SAR (measured) = 22.1 W/kg



0 dB = 22.1 W/kg = 13.44 dBW/kg