



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

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Appendix A

Detailed System Check Results

1. System Performance Check

System Performance Check 13MHz Head

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Test Laboratory: SGS-SAR Lab

System Check_Head_13MHz

DUT: CLA-13; Type: Dipole; Serial: 1032

Communication System: UID 0, CW (0); Frequency: 13 MHz; Duty Cycle: 1:1

Medium: HSL13; Medium parameters used: $f = 13 \text{ MHz}$; $\sigma = 0.747 \text{ S/m}$; $\epsilon_r = 55.946$; $\rho = 1000 \text{ kg/m}^3$
Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN7735; ConvF(13.44, 13.44, 13.44); Calibrated: 2023/12/19
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1245; Calibrated: 2024/06/05
- Phantom: SAM 3; Type: ELI5; Serial: TP:1143
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Configuration/Pin=250mW/Area Scan (8x8x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$
Maximum value of SAR (measured) = 0.146 W/kg

Configuration/Pin=250mW/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 14.72 V/m ; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 0.203 W/kg

SAR(1 g) = 0.109 W/kg ; SAR(10 g) = 0.069 W/kg

Maximum value of SAR (measured) = 0.165 W/kg

