

Appendix A

Detailed System Check Results

1. System Performance Check
System Performance Check 13 MHz Head

Test Laboratory: SGS-SAR Lab

System Check_Head_13MHz

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

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

Medium: HSL_13; Medium parameters used: $f = 13 \text{ MHz}$; $\sigma = 0.736 \text{ S/m}$; $\epsilon_r = 54.1$; $\rho = 1000 \text{ kg/m}^3$
Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3793; ConvF(15.3, 15.3, 15.3); Calibrated: 2022-09-30
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1324; Calibrated: 2022-10-17
- Phantom: SAR 8-2; Type: EL4; 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) = 0.153 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 = 15.11 V/m ; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 0.202 W/kg

SAR(1 g) = 0.114 W/kg ; SAR(10 g) = 0.072 W/kg

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

