

Appendix A

Detailed System Check Results

1. System Performance Check
System Performance Check 13 MHz Head

Test Laboratory: SGS-SAR Lab

System Performance Check 13 MHz Head

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: $f = 13 \text{ MHz}$; $\sigma = 0.734 \text{ S/m}$; $\epsilon_r = 54.221$; $\rho = 1000$

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: ELI5; Type: ELI5; Serial: 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) = 0.313 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 = 15.51 V/m ; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 0.422 W/kg

SAR(1 g) = 0.101 W/kg ; SAR(10 g) = 0.068 W/kg

Maximum value of SAR (measured) = 0.342 W/kg

