

Appendix A

Detailed System Check Results

1. System Performance Check
System Performance Check 13 MHz Head
System Performance Check 6500 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

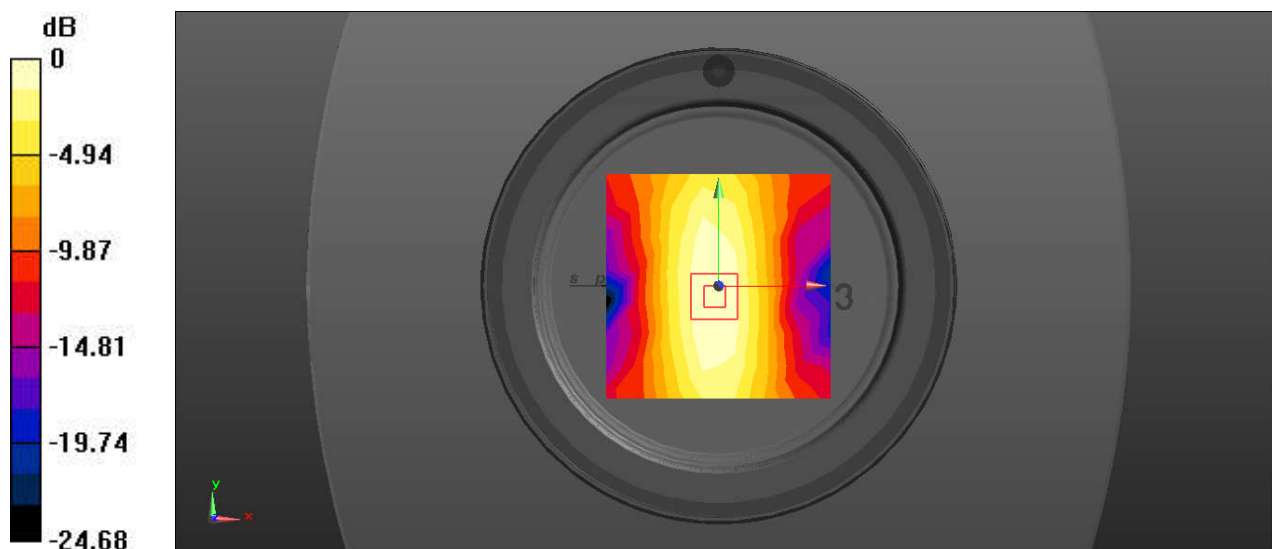
Configuration/Pin=250mW/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

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



Measurement Report for Dipole, FRONT, Validation band, CW, Channel 6500 (6500.0 MHz)

Communication System: Validation band; Frequency: 6500.0

Medium: HSL. Medium parameters used: $f = 6500.0$ MHz; $\sigma = 6.06$ S/m; $\epsilon_r = 34.5$

DASY8 Configuration:

- Probe: EX3DV4 - SN3793; ConvF(5.05, 5.05, 5.05); Calibrated: 2022-09-30
- Sensor-Surface: 1.4 mm
- Electronics: DAE4 Sn1374; Calibrated: 2023-06-05
- Phantom: Twin-SAM V8.0 (30deg probe tilt); Serial: 2103
- Measurement Software: cDASY8 V16.2.0.1425

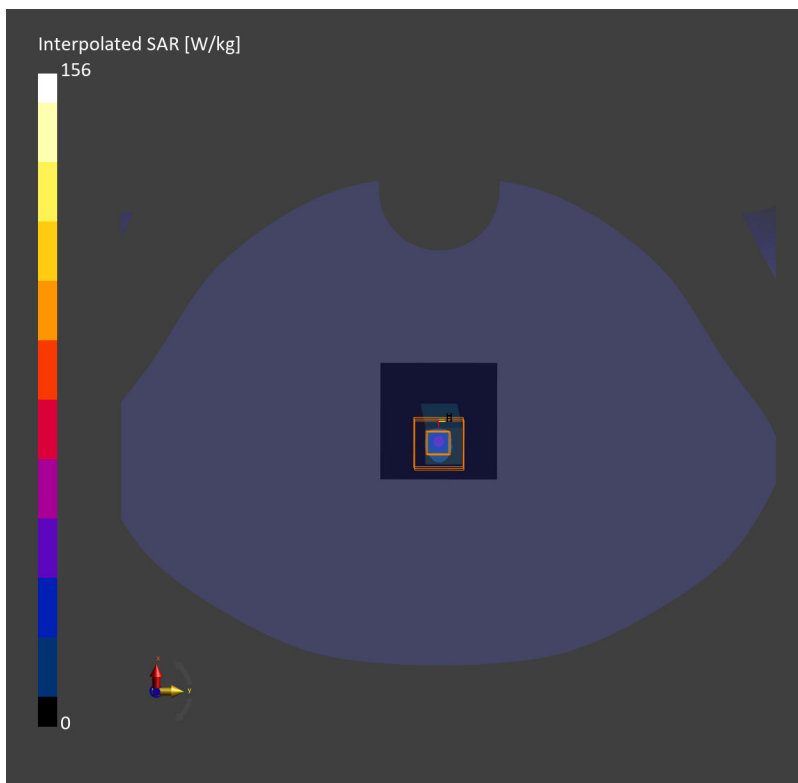
Area Scan (51.0 mm x 51.0 mm): Measurement Grid: 8.5 mm x 8.5 mm

SAR (1g) = 24.2 W/kg; SAR (10g) = 4.64 W/kg;

Zoom Scan (22.0 mm x 22.0 mm x 22.0 mm): Measurement Grid: 3.4 mm x 3.4 mm x 1.4 mm

Power Drift = -0.06 dB

SAR (1g) = 26.5 W/kg; SAR (10g) = 4.85 W/kg;



Measurement Report for Dipole, FRONT, Validation band, CW, Channel 6500 (6500.0 MHz)

Communication System: Validation band; Frequency: 6500.0

Medium: HSL. Medium parameters used: $f = 6500.0$ MHz; $\sigma = 6.15$ S/m; $\epsilon_r = 33.9$

DASY8 Configuration:

- Probe: EX3DV4 - SN3793; ConvF(5.05, 5.05, 5.05); Calibrated: 2022-09-30
- Sensor-Surface: 1.4 mm
- Electronics: DAE4 Sn1374; Calibrated: 2023-06-05
- Phantom: Twin-SAM V8.0 (30deg probe tilt); Serial: 2103
- Measurement Software: cDASY8 V16.2.0.1425

Area Scan (51.0 mm x 51.0 mm): Measurement Grid: 8.5 mm x 8.5 mm

SAR (1g) = 24.6 W/kg; SAR (10g) = 4.71 W/kg;

Zoom Scan (22.0 mm x 22.0 mm x 22.0 mm): Measurement Grid: 3.4 mm x 3.4 mm x 1.4 mm

Power Drift = 0.11 dB

SAR (1g) = 27.0 W/kg; SAR (10g) = 4.93 W/kg;

