



# Appendix A

## Detailed System Check Results

1. System Performance Check
System Performance Check 2450 MHz Head
System Performance Check 5250 MHz Head
System Performance Check 5750 MHz Head



Test Laboratory: LCS-SAR Lab

### System Check\_2450Mhz

**DUT: D2450V2; Type: D2450V2; Serial: 808**

Communication System: UID 0, CW (0); Frequency: 2450 MHz;Duty Cycle: 1:1  
Medium parameters used:  $f = 2450$  MHz;  $\sigma = 1.802$  S/m;  $\epsilon_r = 38.226$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3805; ConvF(7.42, 7.42, 7.42); Calibrated: 2023/11/23;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn419; Calibrated: 2023/6/20
- Phantom: SAM v5.0; Type: SAM; Serial: 1850
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

**Configuration/Unnamed procedure/Area Scan (4x8x1):** Measurement grid: dx=10mm, dy=10mm  
Maximum value of SAR (measured) = 17.1 W/kg

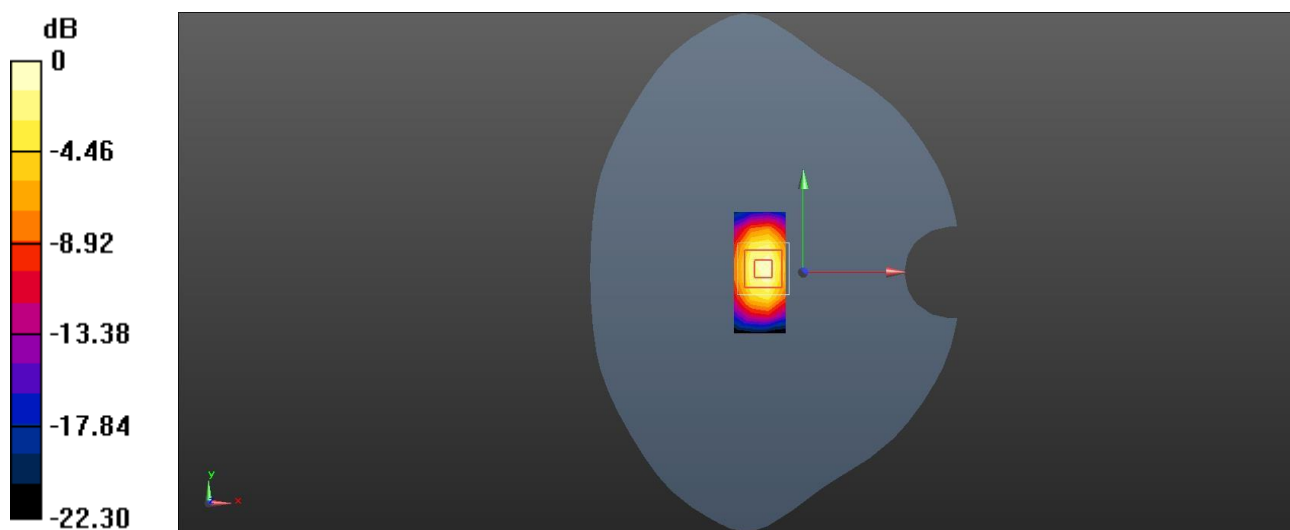
**Configuration/Unnamed procedure/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 84.18 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 26.3 W/kg

**SAR(1 g) = 12.6 W/kg; SAR(10 g) = 5.8 W/kg**

Maximum value of SAR (measured) = 19.5 W/kg



0 dB = 19.5 W/kg = 12.90 dBW/kg



Test Laboratory: LCS-SAR Lab

### System Check\_5250Mhz

**DUT: D5GHzV2; Type: D5GHzV2; Serial: 1046**

Communication System: UID 0, CW (0); Frequency: 5250 MHz;Duty Cycle: 1:1  
Medium parameters used:  $f = 5250$  MHz;  $\sigma = 4.637$  S/m;  $\epsilon_r = 36.15$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3805; ConvF(5.38, 5.38, 5.38); Calibrated: 2023/11/23;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn419; Calibrated: 2023/6/20
- Phantom: SAM v5.0; Type: SAM; Serial: 1850
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

**Configuration/Unnamed procedure/Area Scan (5x5x1):** Measurement grid: dx=10mm, dy=10mm  
Maximum value of SAR (measured) = 17.8 W/kg

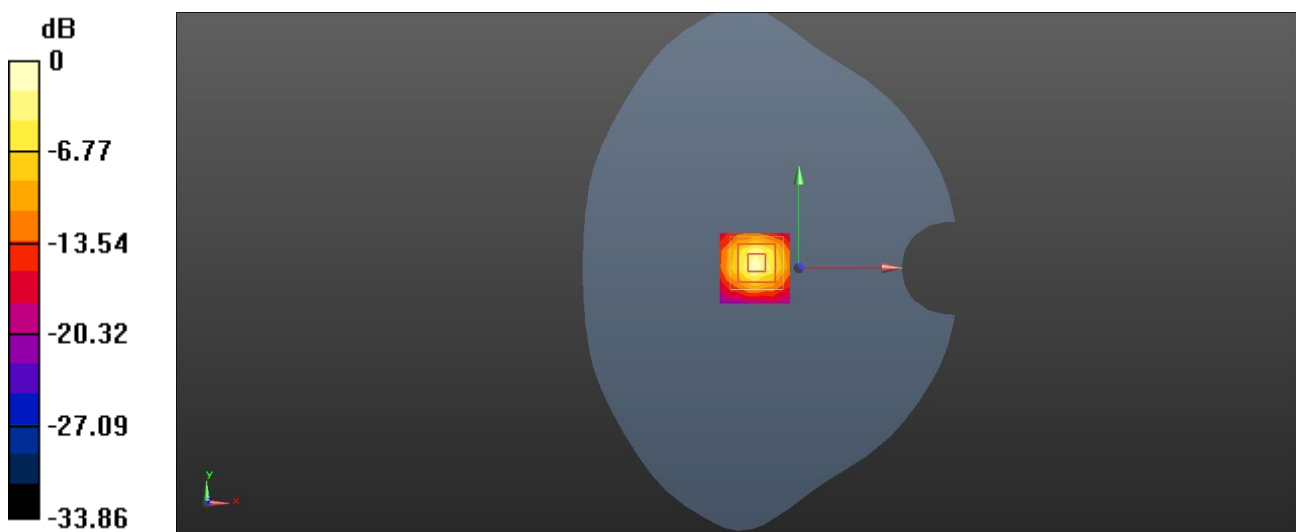
**Configuration/Unnamed procedure/Zoom Scan (7x7x7)Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 62.84 V/m; Power Drift = 0.09 dB

Peak SAR (extrapolated) = 32.8 W/kg

**SAR(1 g) = 7.99 W/kg; SAR(10 g) = 2.23 W/kg**

Maximum value of SAR (measured) = 20.4 W/kg



0 dB = 20.4 W/kg = 13.10 dBW/kg



Test Laboratory: LCS-SAR Lab

### System Check\_5750Mhz

**DUT: D5GHzV2; Type: D5GHzV2; Serial: 1046**

Communication System: UID 0, CW (0); Frequency: 5750 MHz;Duty Cycle: 1:1  
Medium parameters used:  $f = 5750$  MHz;  $\sigma = 5.328$  S/m;  $\epsilon_r = 34.496$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3805; ConvF(4.88, 4.88, 4.88); Calibrated: 2023/11/23;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn419; Calibrated: 2023/6/20
- Phantom: SAM v5.0; Type: SAM; Serial: 1850
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

**Configuration/Unnamed procedure/Area Scan (5x5x1):** Measurement grid: dx=10mm, dy=10mm  
Maximum value of SAR (measured) = 21.1 W/kg

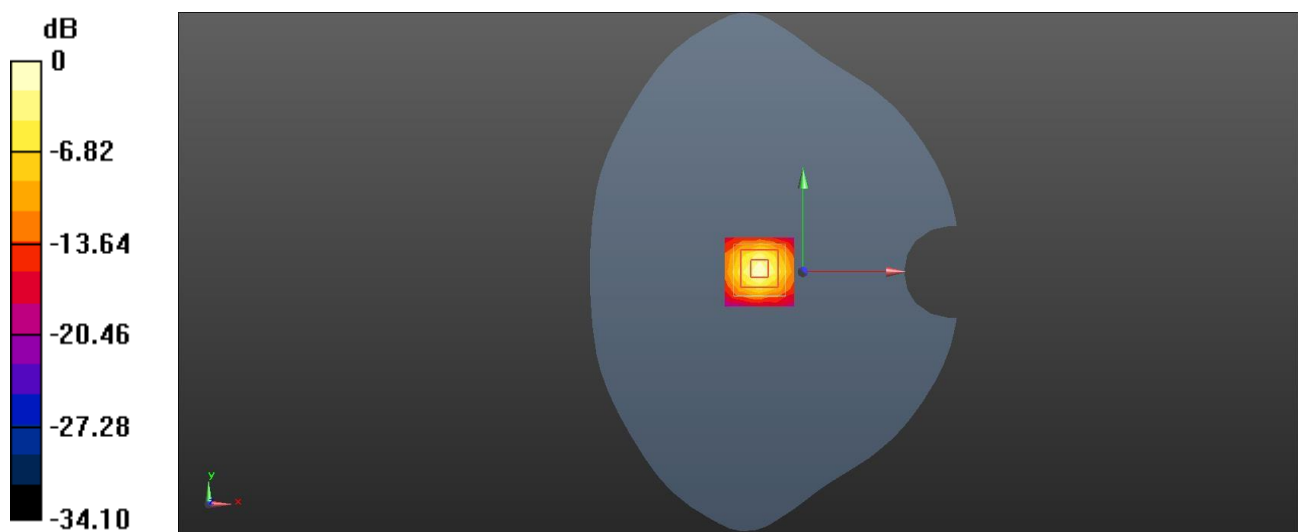
**Configuration/Unnamed procedure/Zoom Scan (7x7x7)Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 74.26 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 36.7 W/kg

**SAR(1 g) = 8.27 W/kg; SAR(10 g) = 2.28 W/kg**

Maximum value of SAR (measured) = 21.5 W/kg



0 dB = 21.5 W/kg = 13.32 dBW/kg

