



REPORT No.: SZ23050281S01

## Annex C Plots of System Performance Check

Test Laboratory: Shenzhen Morlab Communications Technology Co., Ltd.

Date: 2023.06.01

## System Check\_900MHz\_Head

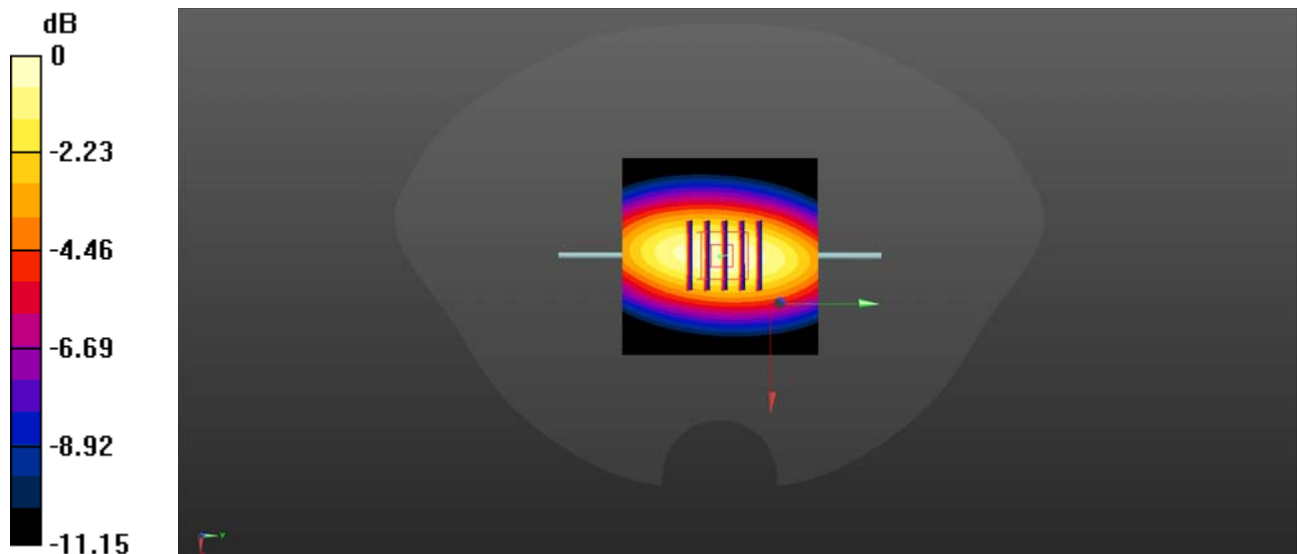
Communication System: UID 0, CW (0); Frequency: 900 MHz; Duty Cycle: 1:1  
Medium: HSL\_900 Medium parameters used:  $f = 900$  MHz;  $\sigma = 0.966$  S/m;  $\epsilon_r = 42.033$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Ambient Temperature : 23.2 °C; Liquid Temperature : 22.1 °C

### DASY5 Configuration:

- Probe: EX3DV4 - SN7608; ConvF(10, 10, 10) @ 836.4 MHz; Calibrated: 2023.03.15
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1643; Calibrated: 2023.02.22
- Phantom: Twin-SAM; Type: QD 000 P41 Ax; Serial: 2020
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

**CW900/Area Scan (61x61x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm  
Maximum value of SAR (interpolated) = 4.37 W/kg

**CW900/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm  
Reference Value = 61.03 V/m; Power Drift = -0.10 dB  
Peak SAR (extrapolated) = 5.16 W/kg  
**SAR(1 g) = 2.87 W/kg; SAR(10 g) = 1.74 W/kg**  
Maximum value of SAR (measured) = 4.34 W/kg



0 dB = 4.37 W/kg

Test Laboratory: Shenzhen Morlab Communications Technology Co., Ltd.

Date: 2023.06.01

## System Check\_1800MHz\_Head

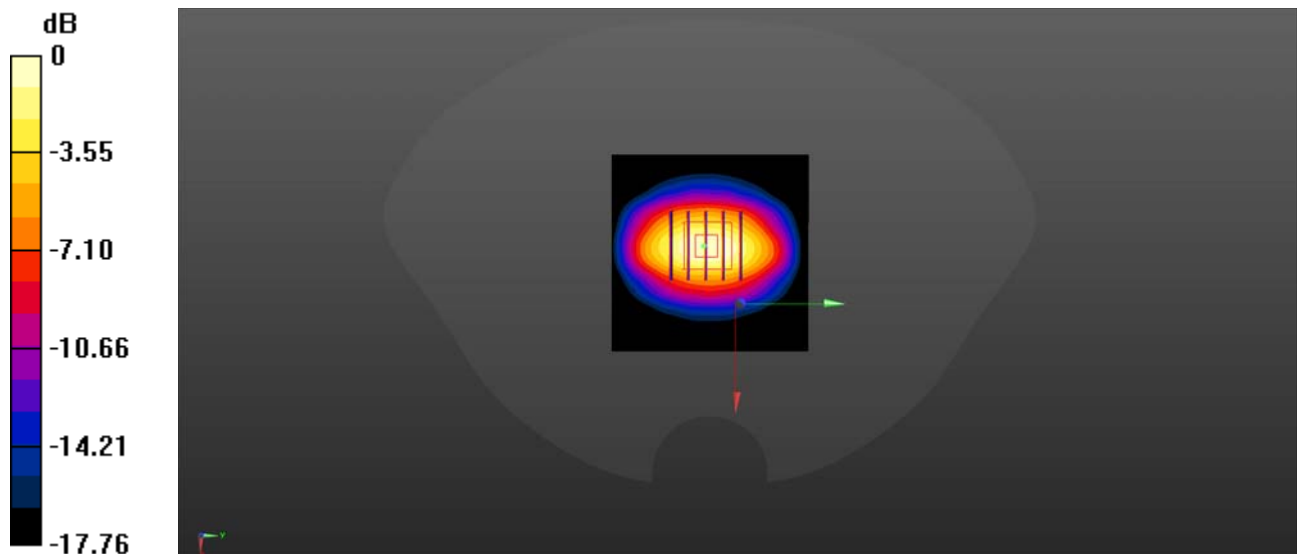
Communication System: UID 0, CW (0); Frequency: 1800 MHz; Duty Cycle: 1:1  
Medium: HSL\_1800 Medium parameters used:  $f = 1800$  MHz;  $\sigma = 1.395$  S/m;  $\epsilon_r = 41.116$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Ambient Temperature : 23.2 °C; Liquid Temperature : 22.1 °C

### DASY5 Configuration:

- Probe: EX3DV4 - SN7608; ConvF(8.4, 8.4, 8.4) @ 1732.6 MHz; Calibrated: 2023.03.15
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1643; Calibrated: 2023.02.22
- Phantom: Twin-SAM; Type: QD 000 P41 Ax; Serial: 2020
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

**CW1800/Area Scan (61x61x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm  
Maximum value of SAR (interpolated) = 14.5 W/kg

**CW1800/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm  
Reference Value = 90.77 V/m; Power Drift = -0.01 dB  
Peak SAR (extrapolated) = 17.7 W/kg  
**SAR(1 g) = 10.19 W/kg; SAR(10 g) = 5.18 W/kg**  
Maximum value of SAR (measured) = 13.8 W/kg



## System Check\_2450MHz\_Head

Communication System: UID 0, CW (0); Frequency: 2450 MHz; Duty Cycle: 1:1

Medium: HSL\_2450 Medium parameters used:  $f = 2450$  MHz;  $\sigma = 1.761$  S/m;  $\epsilon_r = 39.584$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.2 °C; Liquid Temperature : 22.1 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN7608; ConvF(7.6, 7.6, 7.6) @ 2450 MHz; Calibrated: 2023.03.15
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1643; Calibrated: 2023.02.22
- Phantom: Twin-SAM; Type: QD 000 P41 Ax; Serial: 2020
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

**CW2450/Area Scan (61x61x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 20.7 W/kg

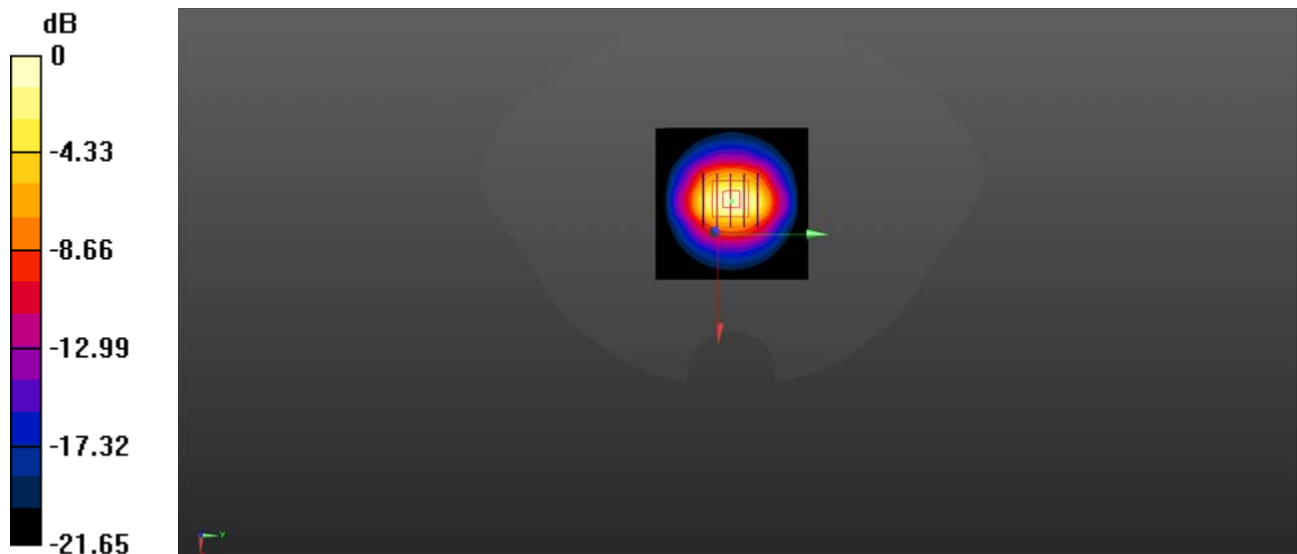
**CW2450/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 91.69 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 27.7 W/kg

**SAR(1 g) = 13.54 W/kg; SAR(10 g) = 6.27 W/kg**

Maximum value of SAR (measured) = 20.9 W/kg



0 dB = 20.9 W/kg