



REPORT No.: SZ23040144S01

## Annex C Plots of System Performance Check

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

Date: 2023.07.07

## System Check\_750MHz\_Head

Communication System: UID 0, CW (0); Frequency: 750 MHz; Duty Cycle: 1:1

Medium: HSL\_750 Medium parameters used:  $f = 750$  MHz;  $\sigma = 0.879$  S/m;  $\epsilon_r = 40.877$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.2 °C; Liquid Temperature : 22.2 °C

### DASY5 Configuration:

- Probe: EX3DV4 - SN7608; ConvF(10.45, 10.45, 10.45) @ 750 MHz; Calibrated: 2023.03.15
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1643; Calibrated: 2023.02.22
- Phantom: ELI V8.0 (20deg probe tilt); Type: QD OVA 004 Ax; Serial: xxxx
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

**CW750/Area Scan (81x81x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 3.17 W/kg

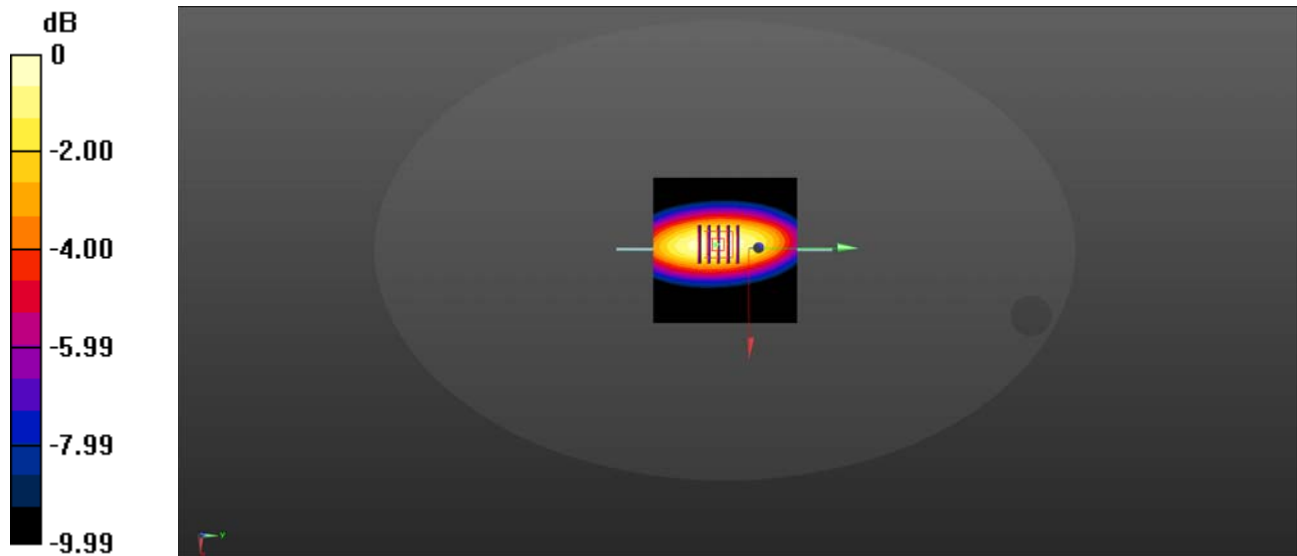
**CW750/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 53.64 V/m; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 3.61 W/kg

**SAR(1 g) = 2.11 W/kg; SAR(10 g) = 1.41 W/kg**

Maximum value of SAR (measured) = 3.05 W/kg



0 dB = 3.17 W/kg

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

Date: 2023.07.05

## System Check\_900MHz\_Head

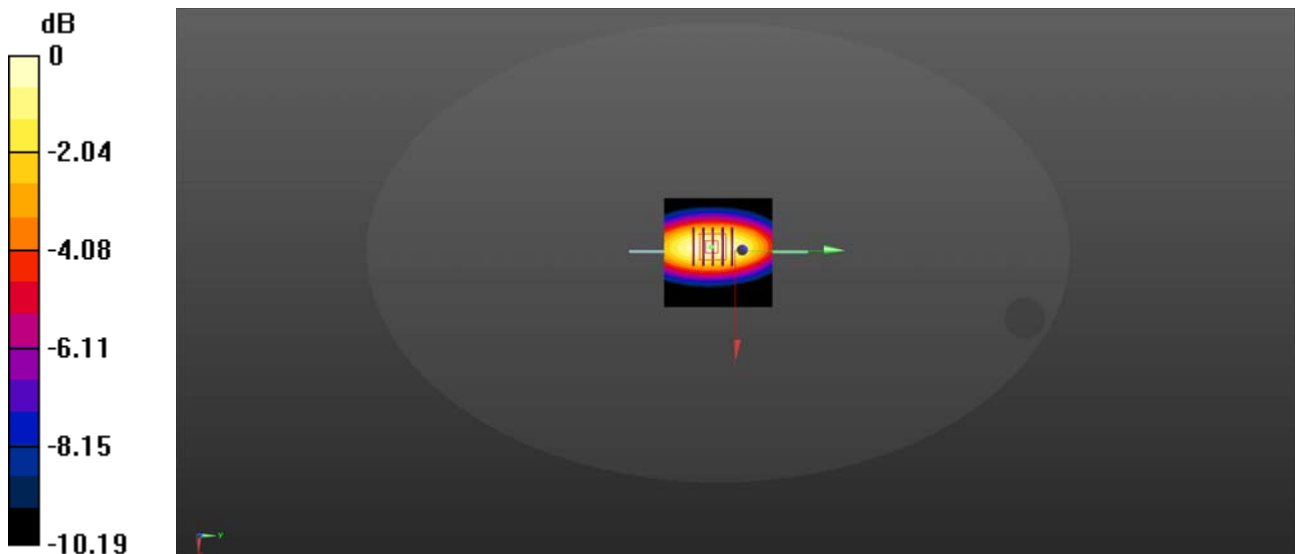
Communication System: UID 0, CW (0); Frequency: 900 MHz; Duty Cycle: 1:1  
Medium: HSL\_900 Medium parameters used:  $f = 900$  MHz;  $\sigma = 0.956$  S/m;  $\epsilon_r = 42.694$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Ambient Temperature : 23.2 °C; Liquid Temperature : 22.2 °C

### DASY5 Configuration:

- Probe: EX3DV4 - SN7608; ConvF(10, 10, 10) @ 900 MHz; Calibrated: 2023.03.15
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1643; Calibrated: 2023.02.22
- Phantom: ELI V8.0 (20deg probe tilt); Type: QD OVA 004 Ax; Serial: xxxx
- 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) = 4.29 W/kg

**CW900/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm  
Reference Value = 60.46 V/m; Power Drift = -0.04 dB  
Peak SAR (extrapolated) = 4.89 W/kg  
**SAR(1 g) = 2.83 W/kg; SAR(10 g) = 1.83 W/kg**  
Maximum value of SAR (measured) = 4.12 W/kg



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

Date: 2023.07.05

## System Check\_1800MHz\_Head

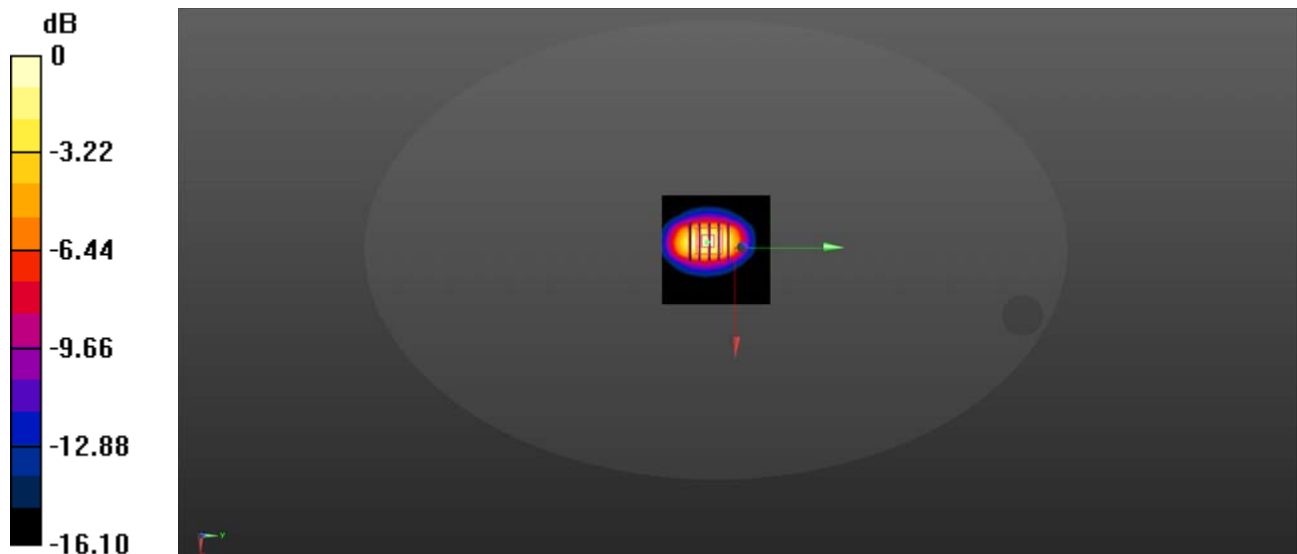
Communication System: UID 0, CW (0); Frequency: 1800 MHz; Duty Cycle: 1:1  
Medium: HSL\_1800 Medium parameters used:  $f = 1800$  MHz;  $\sigma = 1.389$  S/m;  $\epsilon_r = 41.306$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Ambient Temperature : 23.2 °C; Liquid Temperature : 22.2 °C

### DASY5 Configuration:

- Probe: EX3DV4 - SN7608; ConvF(8.4, 8.4, 8.4) @ 1800 MHz; Calibrated: 2023.03.15
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1643; Calibrated: 2023.02.22
- Phantom: ELI V8.0 (20deg probe tilt); Type: QD OVA 004 Ax; Serial: xxxx
- 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) = 15.2 W/kg

**CW1800/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm  
Reference Value = 74.69 V/m; Power Drift = 0.11 dB  
Peak SAR (extrapolated) = 18.2 W/kg  
**SAR(1 g) = 9.79 W/kg; SAR(10 g) = 5.11 W/kg**  
Maximum value of SAR (measured) = 14.5 W/kg



0 dB = 15.2 W/kg

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

Date: 2023.07.04

## System Check\_2300MHz\_Head

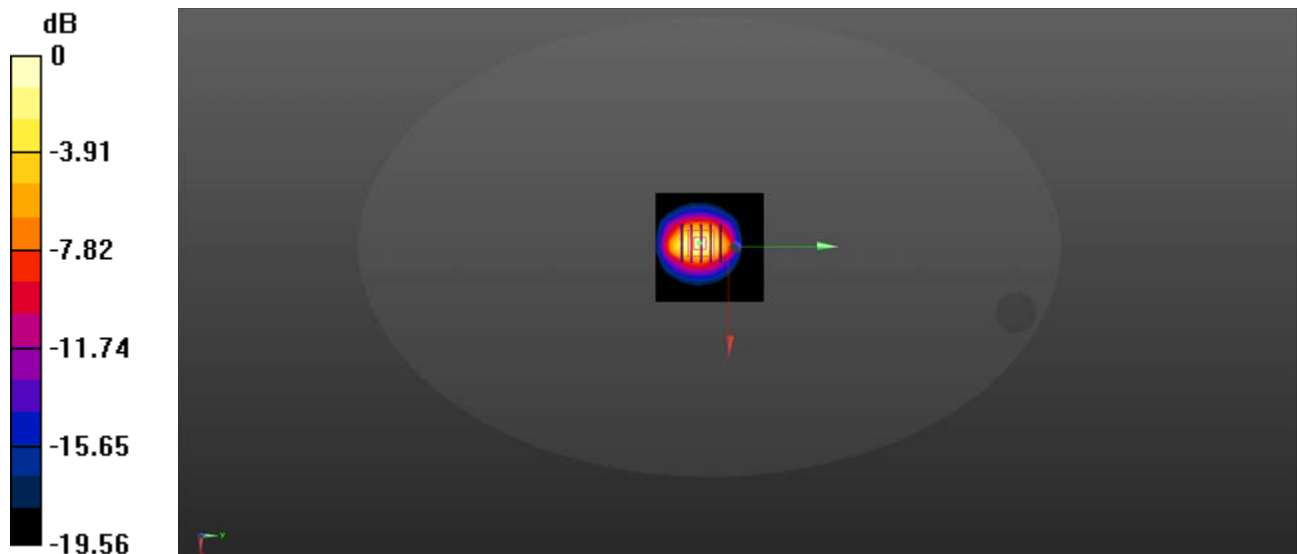
Communication System: UID 0, CW (0); Frequency: 2300 MHz; Duty Cycle: 1:1  
Medium: HSL\_2300 Medium parameters used:  $f = 2300$  MHz;  $\sigma = 1.677$  S/m;  $\epsilon_r = 39.322$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Ambient Temperature : 23.2 °C; Liquid Temperature : 22.2 °C

### DASY5 Configuration:

- Probe: EX3DV4 - SN7608; ConvF(7.85, 7.85, 7.85) @ 2300 MHz; Calibrated: 2023.03.15
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1643; Calibrated: 2023.02.22
- Phantom: ELI V8.0 (20deg probe tilt); Type: QD OVA 004 Ax; Serial: xxxx
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

**CW2300/Area Scan (81x81x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm  
Maximum value of SAR (interpolated) = 18.0 W/kg

**CW2300/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm  
Reference Value = 80.65 V/m; Power Drift = 0.07 dB  
Peak SAR (extrapolated) = 23.7 W/kg  
**SAR(1 g) = 12.29 W/kg; SAR(10 g) = 5.98 W/kg**  
Maximum value of SAR (measured) = 18.3 W/kg



0 dB = 18.0 W/kg

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

Date: 2023.07.06

## System Check\_2450MHz

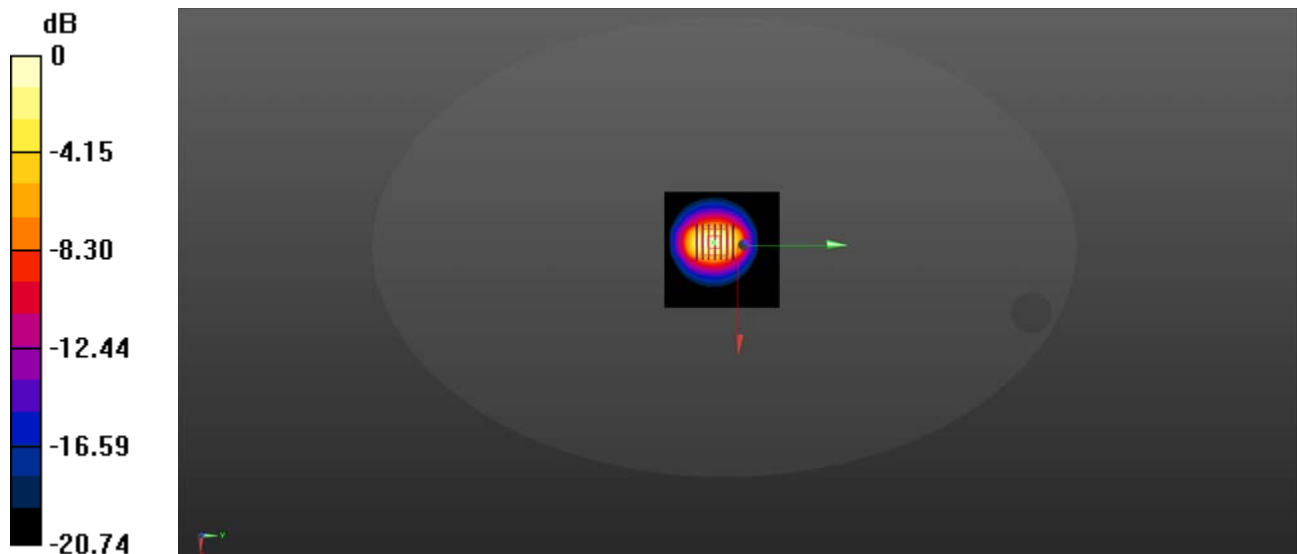
Communication System: UID 0, CW (0); Frequency: 2450 MHz; Duty Cycle: 1:1  
Medium: HSL\_2450 Medium parameters used:  $f = 2450$  MHz;  $\sigma = 1.758$  S/m;  $\epsilon_r = 38.183$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Ambient Temperature : 23.2 °C; Liquid Temperature : 22.2 °C

### 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: ELI V8.0 (20deg probe tilt); Type: QD OVA 004 Ax; Serial: xxxx
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

**CW2450/Area Scan (81x81x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm  
Maximum value of SAR (interpolated) = 21.7 W/kg

**CW2450/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm  
Reference Value = 81.45 V/m; Power Drift = 0.09 dB  
Peak SAR (extrapolated) = 28.4 W/kg  
**SAR(1 g) = 12.48 W/kg; SAR(10 g) = 6.02 W/kg**  
Maximum value of SAR (measured) = 21.5 W/kg



0 dB = 21.7 W/kg

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Date: 2023.07.07

## System Check\_2600MHz\_Head

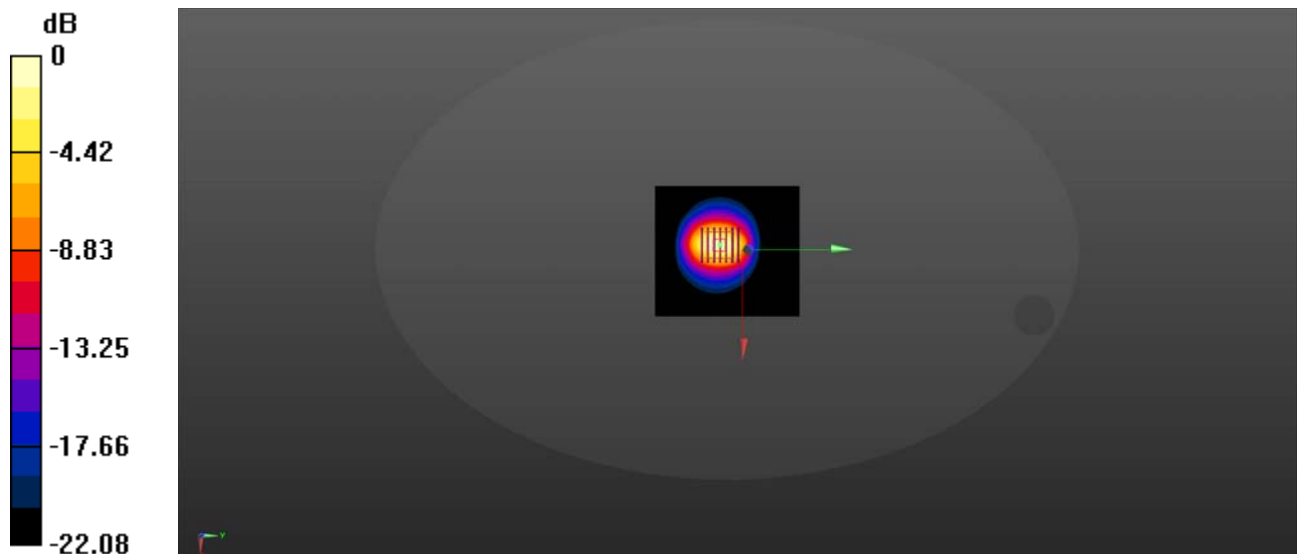
Communication System: UID 0, CW (0); Frequency: 2600 MHz; Duty Cycle: 1:1  
Medium: HSL\_2600 Medium parameters used:  $f = 2600$  MHz;  $\sigma = 2.010$  S/m;  $\epsilon_r = 39.554$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Ambient Temperature : 23.2 °C; Liquid Temperature : 22.2 °C

### DASY5 Configuration:

- Probe: EX3DV4 - SN7608; ConvF(7.34, 7.34, 7.34) @ 2600 MHz; Calibrated: 2023.03.15
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1643; Calibrated: 2023.02.22
- Phantom: ELI V8.0 (20deg probe tilt); Type: QD OVA 004 Ax; Serial: xxxx
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

**CW2600/Area Scan (91x101x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm  
Maximum value of SAR (interpolated) = 13.7 W/kg

**CW2600/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm  
Reference Value = 62.50 V/m; Power Drift = -0.05 dB  
Peak SAR (extrapolated) = 17.5 W/kg  
**SAR(1 g) = 13.78 W/kg; SAR(10 g) = 6.56 W/kg**  
Maximum value of SAR (measured) = 13.1 W/kg



0 dB = 13.7 W/kg

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

Date: 2023.07.12

## System Check\_5250MHz\_Head

Communication System: UID 0, CW (0); Frequency: 5250 MHz; Duty Cycle: 1:1

Medium: HSL\_5250 Medium parameters used:  $f = 5250$  MHz;  $\sigma = 4.549$  S/m;  $\epsilon_r = 35.662$ ;  $\rho = 1000$  kg/m<sup>3</sup>

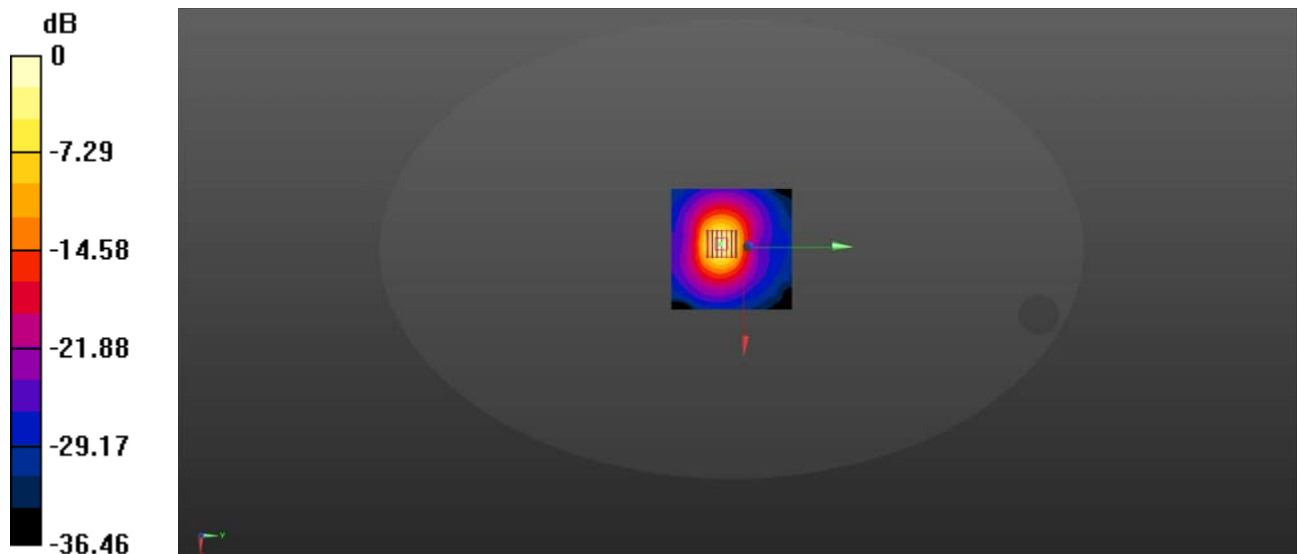
Ambient Temperature : 23.2 °C; Liquid Temperature : 22.2 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN7608; ConvF(5.35, 5.35, 5.35) @ 5250 MHz; Calibrated: 2023.03.15
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1643; Calibrated: 2023.02.22
- Phantom: ELI V8.0 (20deg probe tilt); Type: QD OVA 004 Ax; Serial: xxxx
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

**CW5250/Area Scan (101x101x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm  
Maximum value of SAR (interpolated) = 19.3 W/kg

**CW5250/Zoom Scan (7x7x13)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=2mm  
Reference Value = 29.00 V/m; Power Drift = 0.07 dB  
Peak SAR (extrapolated) = 37.7 W/kg  
**SAR(1 g) = 7.38 W/kg; SAR(10 g) = 2.19 W/kg**  
Maximum value of SAR (measured) = 20.7 W/kg



0 dB = 19.3 W/kg



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

Date: 2023.07.15

## System Check\_5600MHz\_Head

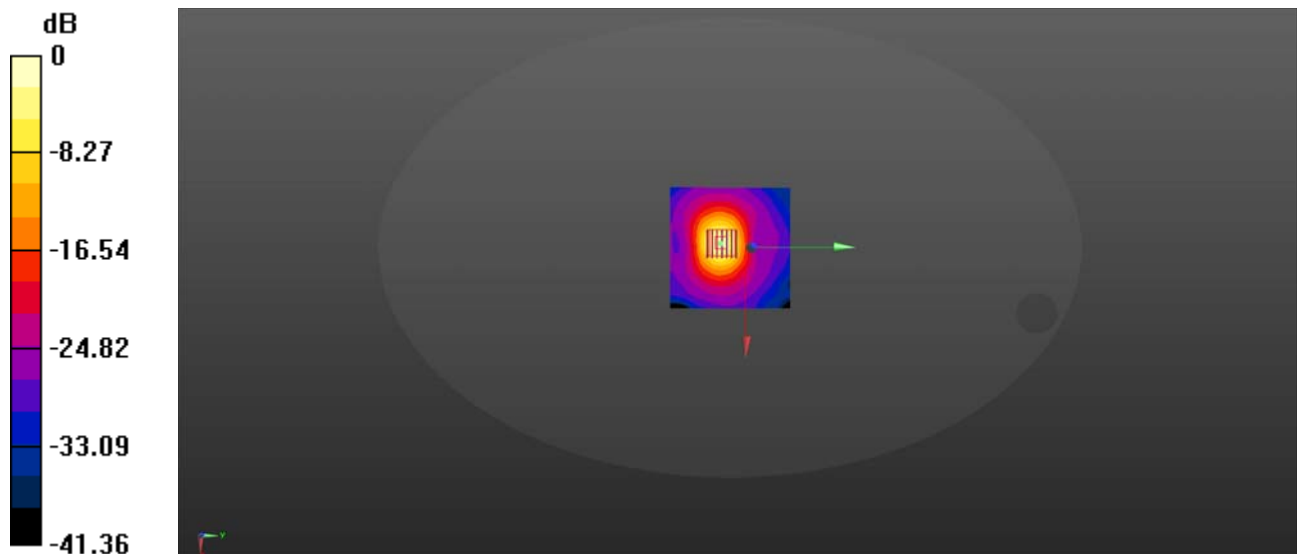
Communication System: UID 0, CW (0); Frequency: 5600 MHz; Duty Cycle: 1:1  
Medium: HSL\_5600 Medium parameters used:  $f = 5600$  MHz;  $\sigma = 4.933$  S/m;  $\epsilon_r = 35.713$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Ambient Temperature : 23.2 °C; Liquid Temperature : 22.3 °C

### DASY5 Configuration:

- Probe: EX3DV4 - SN7608; ConvF(4.8, 4.8, 4.8) @ 5600 MHz; Calibrated: 2023.03.15
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1643; Calibrated: 2023.02.22
- Phantom: ELI V8.0 (20deg probe tilt); Type: QD OVA 004 Ax; Serial: xxxx
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

**CW5600/Area Scan (101x101x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm  
Maximum value of SAR (interpolated) = 22.3 W/kg

**CW5600/Zoom Scan (7x7x13)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=2mm  
Reference Value = 32.94 V/m; Power Drift = -0.15 dB  
Peak SAR (extrapolated) = 42.6 W/kg  
**SAR(1 g) = 8.31 W/kg; SAR(10 g) = 2.44 W/kg**  
Maximum value of SAR (measured) = 22.1 W/kg



0 dB = 22.3 W/kg

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

Date: 2023.07.18

## System Check\_5750MHz\_Head

Communication System: UID 0, CW (0); Frequency: 5750 MHz; Duty Cycle: 1:1

Medium: HSL\_5750 Medium parameters used:  $f = 5750$  MHz;  $\sigma = 5.033$  S/m;  $\epsilon_r = 36.258$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.2 °C; Liquid Temperature : 22.3 °C

### DASY5 Configuration:

- Probe: EX3DV4 - SN7608; ConvF(4.87, 4.87, 4.87) @ 5750 MHz; Calibrated: 2023.03.15
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1643; Calibrated: 2023.02.22
- Phantom: ELI V8.0 (20deg probe tilt); Type: QD OVA 004 Ax; Serial: xxxx
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

**CW5750/Area Scan (101x101x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 10.4 W/kg

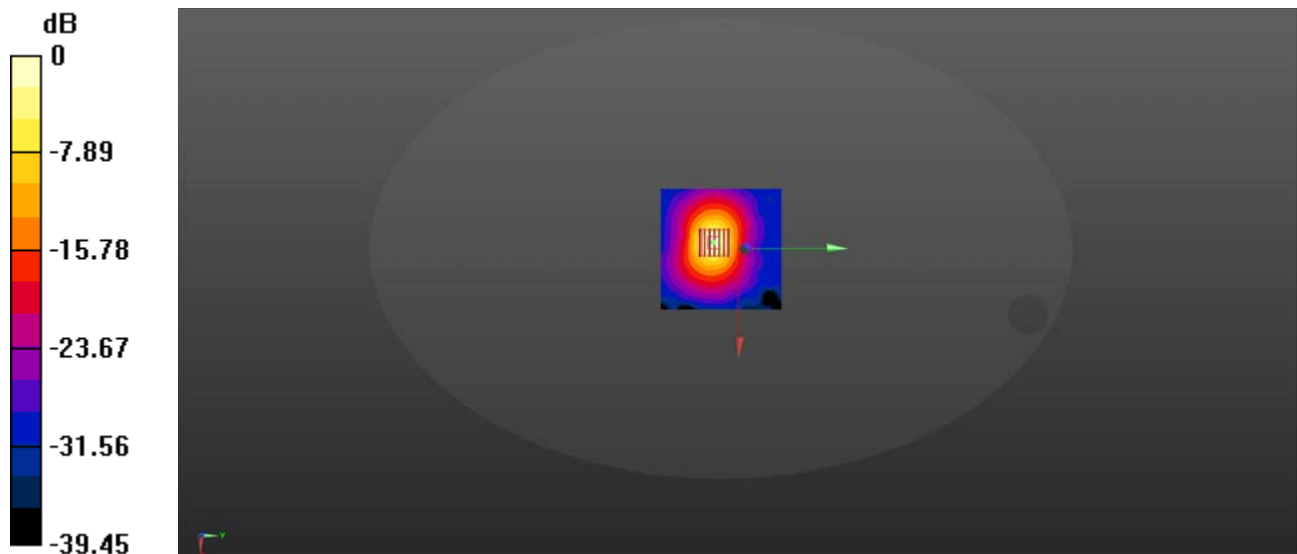
**CW5750/Zoom Scan (7x7x13)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 22.95 V/m; Power Drift = 0.10 dB

Peak SAR (extrapolated) = 22.5 W/kg

**SAR(1 g) = 7.54 W/kg; SAR(10 g) = 2.19 W/kg**

Maximum value of SAR (measured) = 11.4 W/kg



0 dB = 10.4 W/kg