



REPORT No.: SZ24060253S01

## Annex C Plots of System Performance Check

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

Date: 2024.10.16

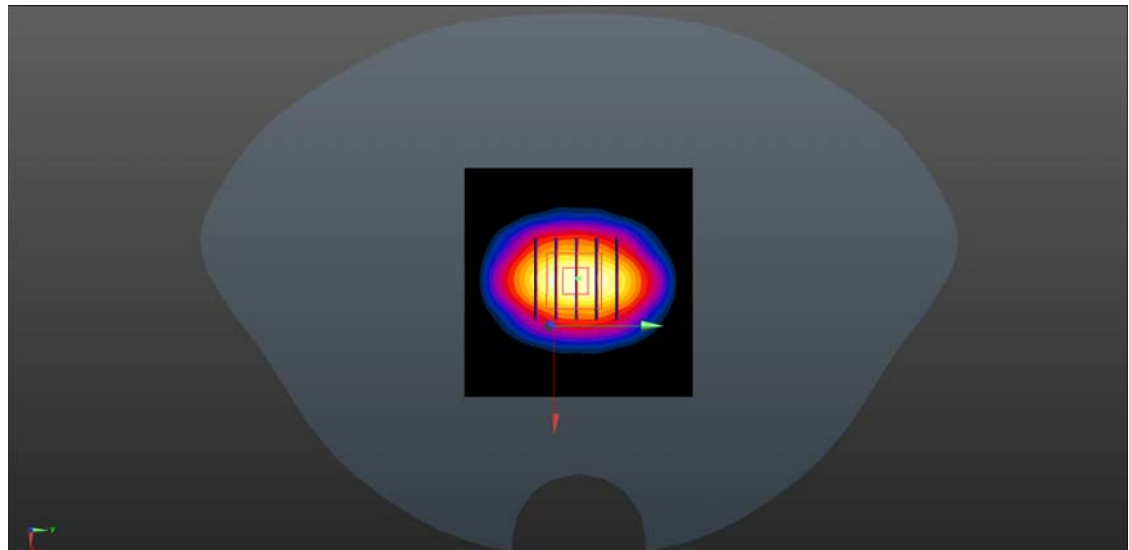
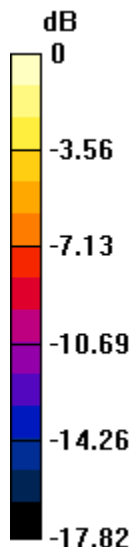
## System Check\_2000MHz\_Head

Communication System: UID 0, CW (0); Frequency: 2000 MHz; Duty Cycle: 1:1

Medium: HSL\_2000 Medium parameters used:  $f = 2000 \text{ MHz}$ ;  $\sigma = 1.436 \text{ S/m}$ ;  $\epsilon_r = 40.525$ ;  $\rho = 1000 \text{ kg/m}^3$ Ambient Temperature :  $23.2 \text{ }^\circ\text{C}$ ; Liquid Temperature :  $22.3 \text{ }^\circ\text{C}$ 

DASY5 Configuration:

- Probe: ES3DV3 - SN3295; ConvF(5.13, 5.13, 5.13) @ 2000 MHz; Calibrated: 2024.07.17
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1423; Calibrated 2024.03.17
- Phantom: SAM 2; Type: QD000P40CC; Serial: TP:1464
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

**CW2000/Area Scan (61x61x1):** Interpolated grid:  $dx=1.500 \text{ mm}$ ,  $dy=1.500 \text{ mm}$ Maximum value of SAR (interpolated) =  $12.4 \text{ W/kg}$ **CW2000/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$ Reference Value =  $95.1 \text{ V/m}$ ; Power Drift =  $-0.06 \text{ dB}$ Peak SAR (extrapolated) =  $25.3 \text{ W/kg}$ **SAR(1 g) =  $10.75 \text{ W/kg}$ ; SAR(10 g) =  $5.39 \text{ W/kg}$** Smallest distance from peaks to all points 3 dB below =  $9.5 \text{ mm}$ Ratio of SAR at M2 to SAR at M1 =  $46.4\%$ Maximum value of SAR (measured) =  $13.1 \text{ W/kg}$ 0 dB =  $15.3 \text{ W/kg}$

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

Date: 2024.10.17

## 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;  $\sigma = 1.843$  S/m;  $\epsilon_r = 39.937$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

DASY5 Configuration:

- Probe: ES3DV3 - SN3295; ConvF(4.75, 4.75, 4.75) @ 2450 MHz; Calibrated: 2024.07.17
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1423; Calibrated 2024.03.17
- Phantom: SAM 2; Type: QD000P40CC; Serial: TP:1464
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

**CW2450/Area Scan (81x101x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 17.2 W/kg

**CW2450/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 90.56 V/m; Power Drift = -0.11 dB

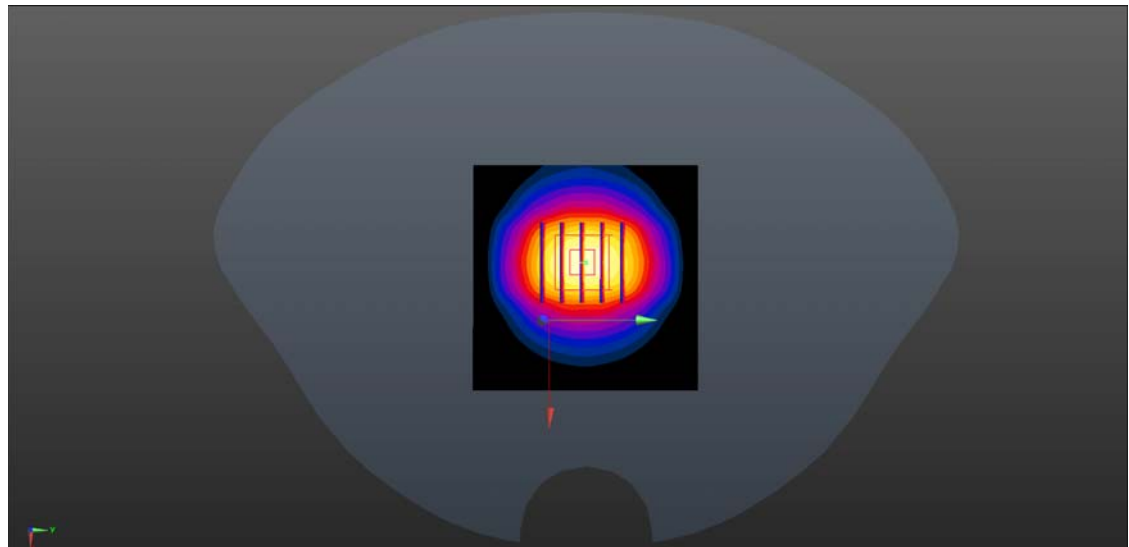
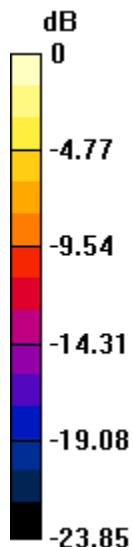
Peak SAR (extrapolated) = 36.3 W/kg

**SAR(1 g) = 13.69 W/kg; SAR(10 g) = 6.52 W/kg**

Smallest distance from peaks to all points 3 dB below = 9.6 mm

Ratio of SAR at M2 to SAR at M1 = 45.4%

Maximum value of SAR (measured) = 17.1 W/kg



0 dB = 17.1 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;  $\sigma = 1.834$  S/m;  $\epsilon_r = 40.016$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

### DASY5 Configuration:

- Probe: ES3DV3 - SN3295; ConvF(4.75, 4.75, 4.75) @ 2450 MHz; Calibrated: 2024.07.17
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1423; Calibrated 2024.03.17
- Phantom: SAM 2; Type: QD000P40CC; Serial: TP:1464
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

**CW2450/Area Scan (81x101x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 16.8 W/kg

**CW2450/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 88.64 V/m; Power Drift = -0.05 dB

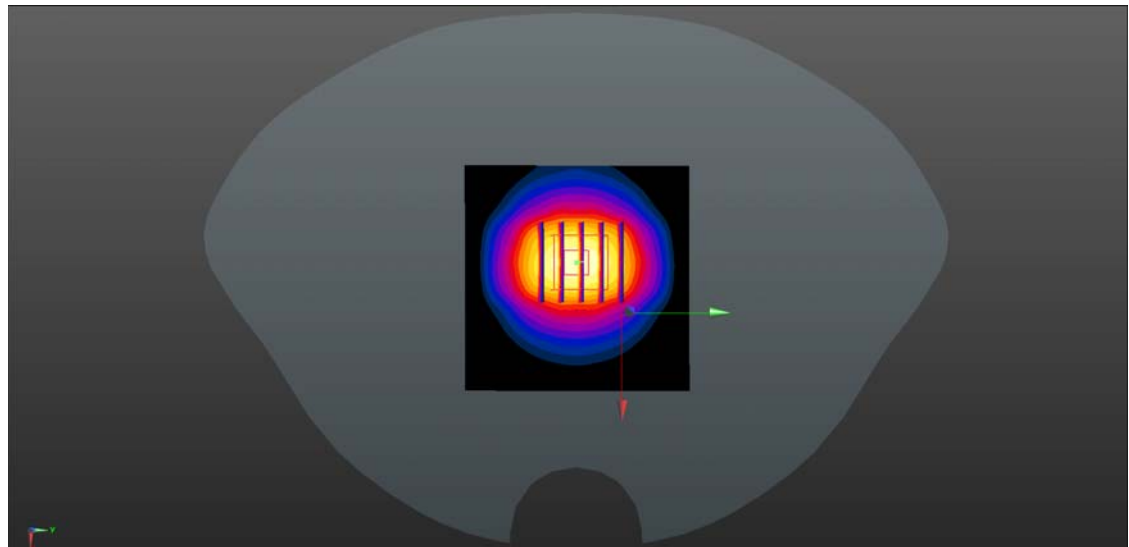
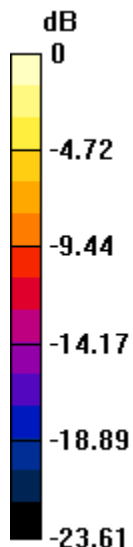
Peak SAR (extrapolated) = 35.2 W/kg

**SAR(1 g) = 13.67 W/kg; SAR(10 g) = 6.38 W/kg**

Smallest distance from peaks to all points 3 dB below = 9.4 mm

Ratio of SAR at M2 to SAR at M1 = 45.6%

Maximum value of SAR (measured) = 16.5 W/kg



0 dB = 16.5 W/kg

## 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;  $\sigma = 4.811$  S/m;  $\epsilon_r = 36.861$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.2 °C; Liquid Temperature : 22.4 °C

### DASY5 Configuration:

- Probe: EX3DV4 - SN7608; ConvF(5.41, 5.52, 5.17) @ 5250 MHz; Calibrated: 2024.03.21
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1423; Calibrated 2024.03.17
- Phantom: SAM 2; Type: QD000P40CC; Serial: TP:1464
- 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) = 8.96 W/kg

**CW5250/Zoom Scan (7x7x13)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 45.31 V/m; Power Drift = -0.05 dB

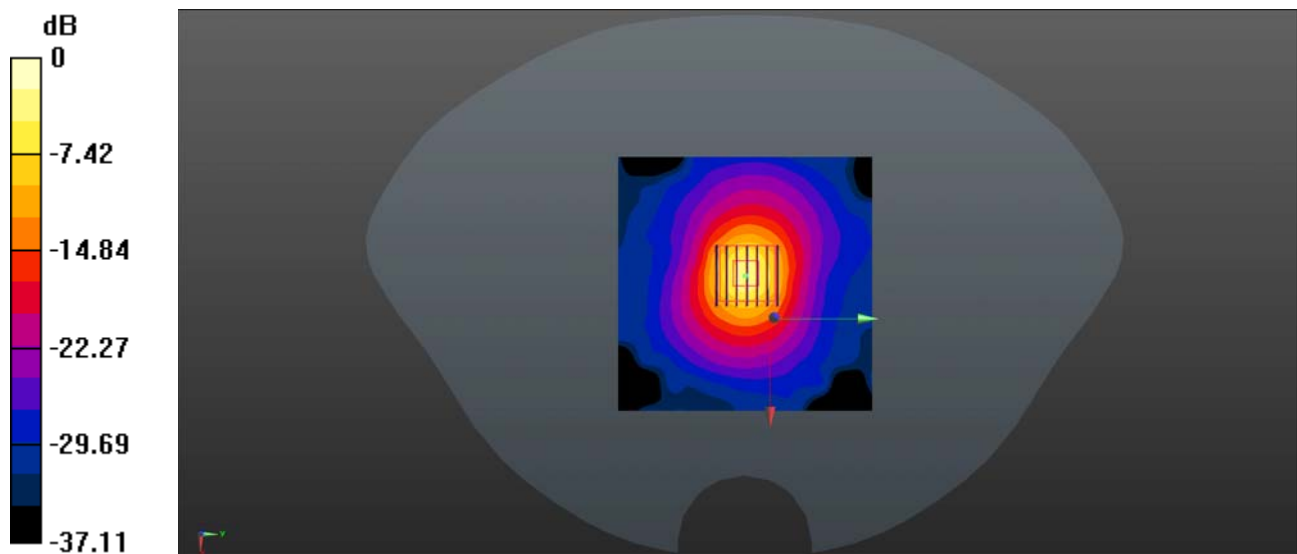
Peak SAR (extrapolated) = 34.3 W/kg

**SAR(1 g) = 8.08 W/kg; SAR(10 g) = 2.34 W/kg**

Smallest distance from peaks to all points 3 dB below = 7.4 mm

Ratio of SAR at M2 to SAR at M1 = 54.6%

Maximum value of SAR (measured) = 16.8 W/kg



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

Date: 2024.10.22

## 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;  $\sigma = 4.817$  S/m;  $\epsilon_r = 36.729$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

### DASY5 Configuration:

- Probe: EX3DV4 - SN7608; ConvF(5.41, 5.52, 5.17) @ 5250 MHz; Calibrated: 2024.03.21
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1423; Calibrated 2024.03.17
- Phantom: SAM 2; Type: QD000P40CC; Serial: TP:1464
- 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) = 8.71 W/kg

**CW5250/Zoom Scan (7x7x13)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 44.91 V/m; Power Drift = -0.09 dB

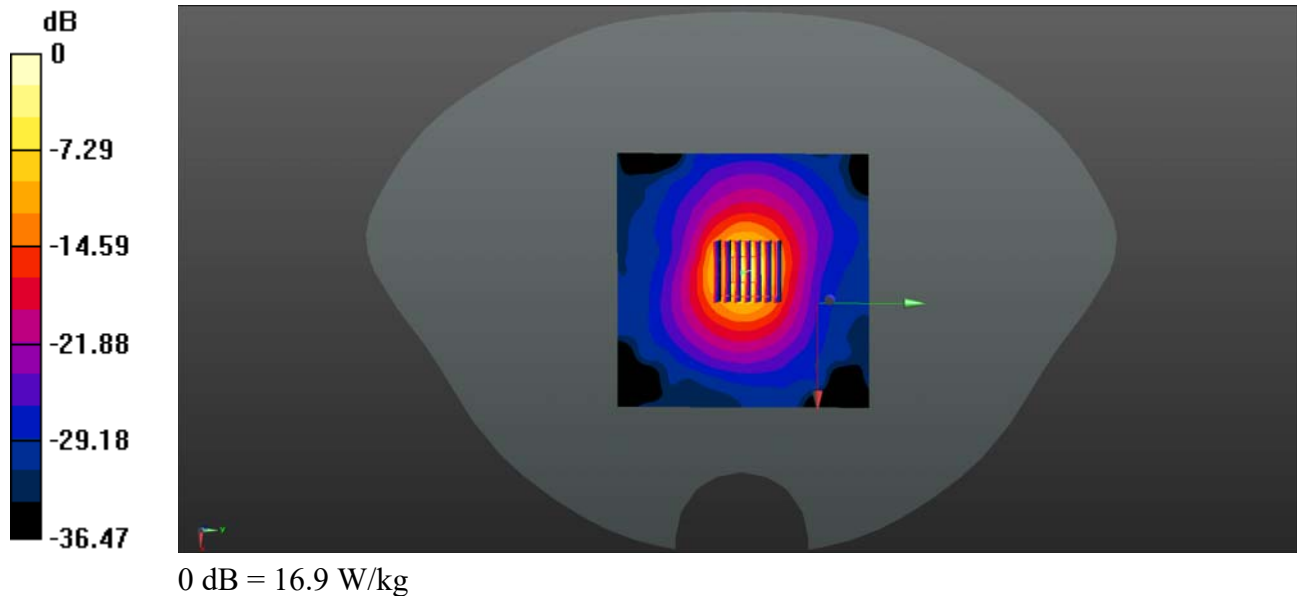
Peak SAR (extrapolated) = 35.2 W/kg

**SAR(1 g) = 8.11 W/kg; SAR(10 g) = 2.36 W/kg**

Smallest distance from peaks to all points 3 dB below = 7.6 mm

Ratio of SAR at M2 to SAR at M1 = 54.4%

Maximum value of SAR (measured) = 16.9 W/kg



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

Date: 2024.10.24

## 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;  $\sigma = 4.822$  S/m;  $\epsilon_r = 36.684$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

### DASY5 Configuration:

- Probe: EX3DV4 - SN7608; ConvF(5.41, 5.52, 5.17) @ 5250 MHz; Calibrated: 2024.03.21
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1423; Calibrated 2024.03.17
- Phantom: SAM 2; Type: QD000P40CC; Serial: TP:1464
- 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) = 9.05 W/kg

**CW5250/Zoom Scan (7x7x13)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 46.17 V/m; Power Drift = -0.01 dB

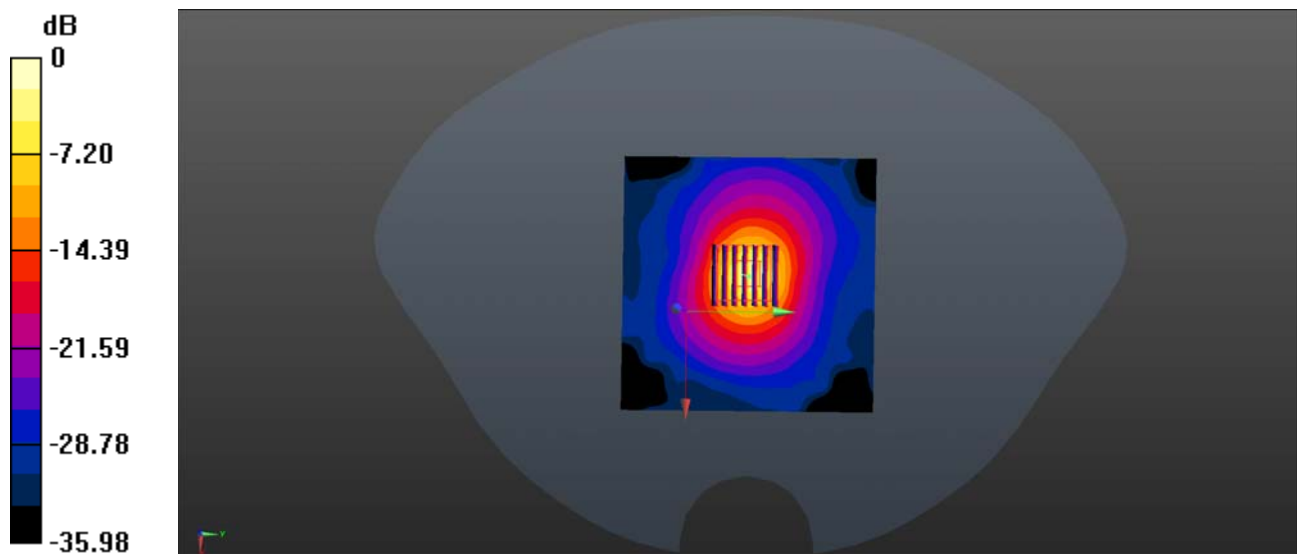
Peak SAR (extrapolated) = 35.4 W/kg

**SAR(1 g) = 8.04 W/kg; SAR(10 g) = 2.31 W/kg**

Smallest distance from peaks to all points 3 dB below = 7.5 mm

Ratio of SAR at M2 to SAR at M1 = 54.5%

Maximum value of SAR (measured) = 17.1 W/kg



0 dB = 17.1 W/kg

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

Date: 2024.10.26

## 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;  $\sigma = 4.805$  S/m;  $\epsilon_r = 36.905$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

### DASY5 Configuration:

- Probe: EX3DV4 - SN7608; ConvF(5.41, 5.52, 5.17) @ 5250 MHz; Calibrated: 2024.03.21
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1423; Calibrated 2024.03.17
- Phantom: SAM 2; Type: QD000P40CC; Serial: TP:1464
- 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) = 8.98 W/kg

**CW5250/Zoom Scan (7x7x13)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 45.79 V/m; Power Drift = -0.04 dB

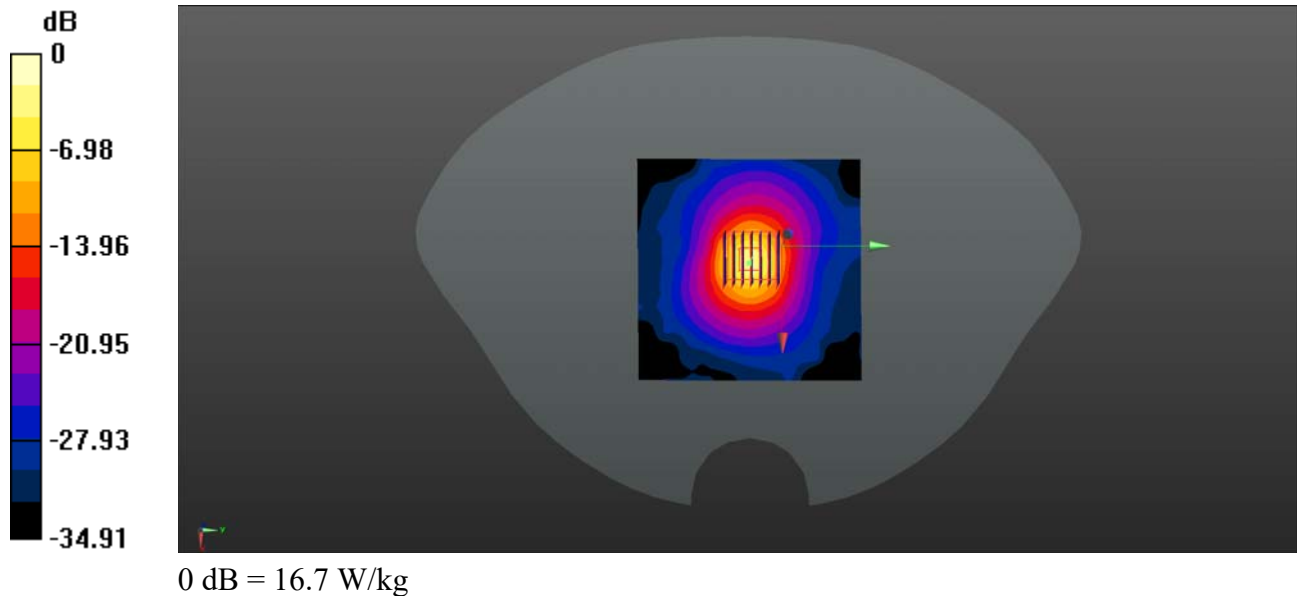
Peak SAR (extrapolated) = 34.3 W/kg

**SAR(1 g) = 8.03 W/kg; SAR(10 g) = 2.32 W/kg**

Smallest distance from peaks to all points 3 dB below = 7.5 mm

Ratio of SAR at M2 to SAR at M1 = 54.4%

Maximum value of SAR (measured) = 16.7 W/kg





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

Date: 2024.10.27

## 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;  $\sigma = 4.809$  S/m;  $\epsilon_r = 36.891$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

DASY5 Configuration:

- Probe: EX3DV4 - SN7608; ConvF(5.41, 5.52, 5.17) @ 5250 MHz; Calibrated: 2024.03.21
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1423; Calibrated 2024.03.17
- Phantom: SAM 2; Type: QD000P40CC; Serial: TP:1464
- 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) = 9.17 W/kg

**CW5250/Zoom Scan (7x7x13)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 46.32 V/m; Power Drift = -0.03 dB

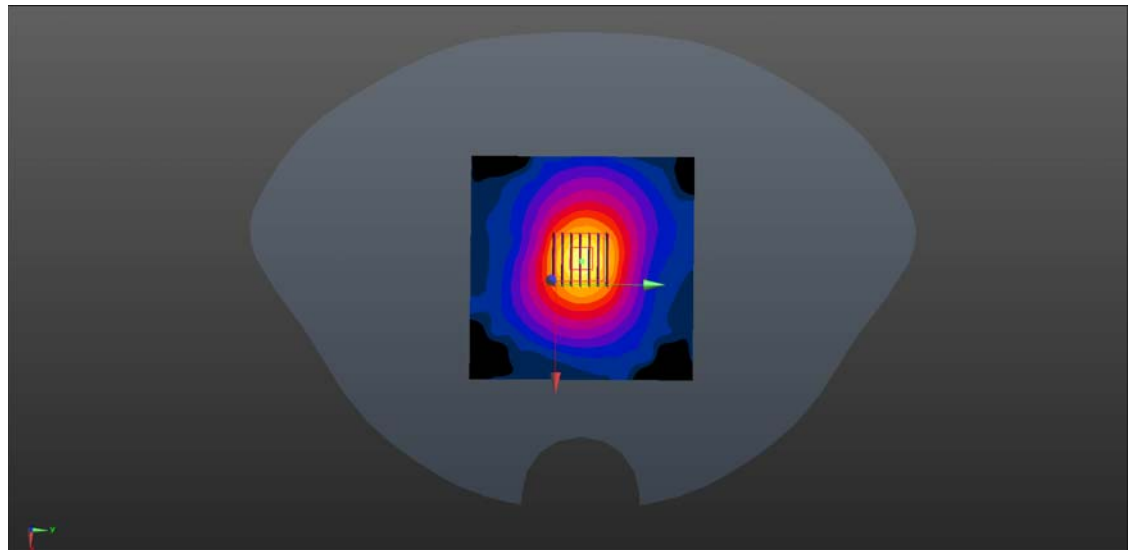
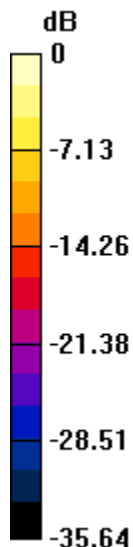
Peak SAR (extrapolated) = 35.6 W/kg

**SAR(1 g) = 8.07 W/kg; SAR(10 g) = 2.35 W/kg**

Smallest distance from peaks to all points 3 dB below = 7.4 mm

Ratio of SAR at M2 to SAR at M1 = 54.2%

Maximum value of SAR (measured) = 17.5 W/kg



0 dB = 17.5 W/kg

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

Date: 2024.10.19

## 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;  $\sigma = 5.145$  S/m;  $\epsilon_r = 36.224$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

DASY5 Configuration:

- Probe: EX3DV4 - SN7608; ConvF(4.67, 4.8, 4.46) @ 5600 MHz; Calibrated: 2024.03.21
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1423; Calibrated 2024.03.17
- Phantom: SAM 2; Type: QD000P40CC; Serial: TP:1464
- 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) = 9.11 W/kg

**CW5600/Zoom Scan (7x7x13)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 36.94 V/m; Power Drift = 0.07 dB

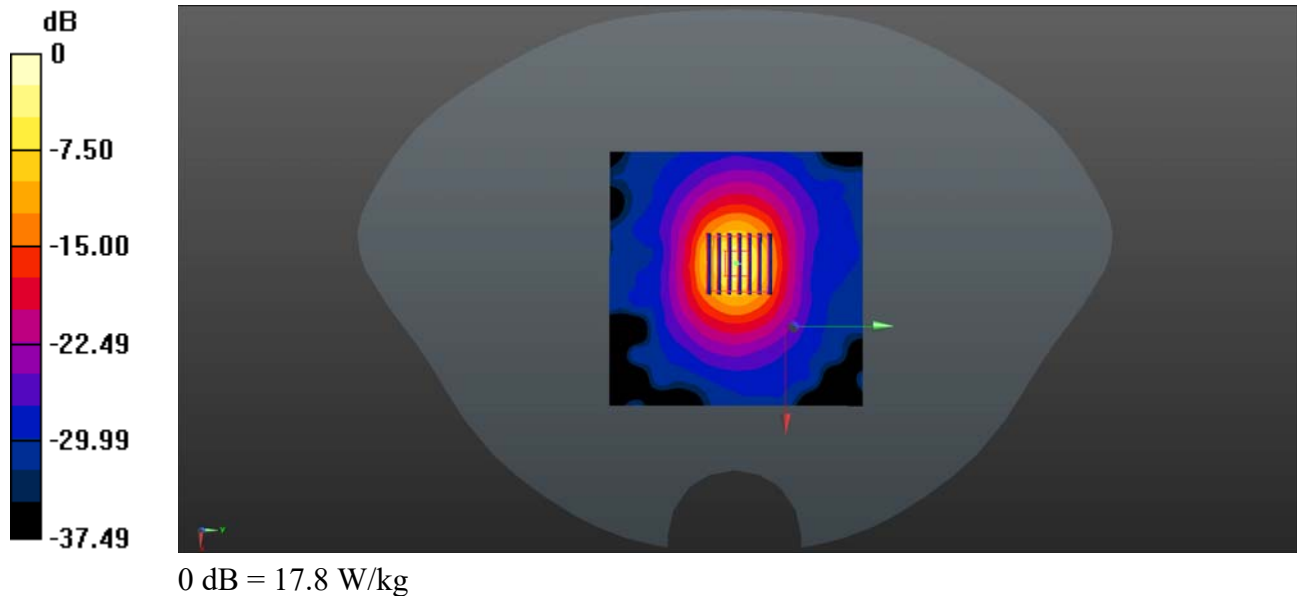
Peak SAR (extrapolated) = 37.2 W/kg

**SAR(1 g) = 8.37 W/kg; SAR(10 g) = 2.45 W/kg**

Smallest distance from peaks to all points 3 dB below = 7.6 mm

Ratio of SAR at M2 to SAR at M1 = 52.2%

Maximum value of SAR (measured) = 17.8 W/kg



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

Date: 2024.10.23

## 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;  $\sigma = 5.169$  S/m;  $\epsilon_r = 36.047$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

DASY5 Configuration:

- Probe: EX3DV4 - SN7608; ConvF(4.67, 4.8, 4.46) @ 5600 MHz; Calibrated: 2024.03.21
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1423; Calibrated 2024.03.17
- Phantom: SAM 2; Type: QD000P40CC; Serial: TP:1464
- 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) = 9.18 W/kg

**CW5600/Zoom Scan (7x7x13)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 37.15 V/m; Power Drift = 0.06 dB

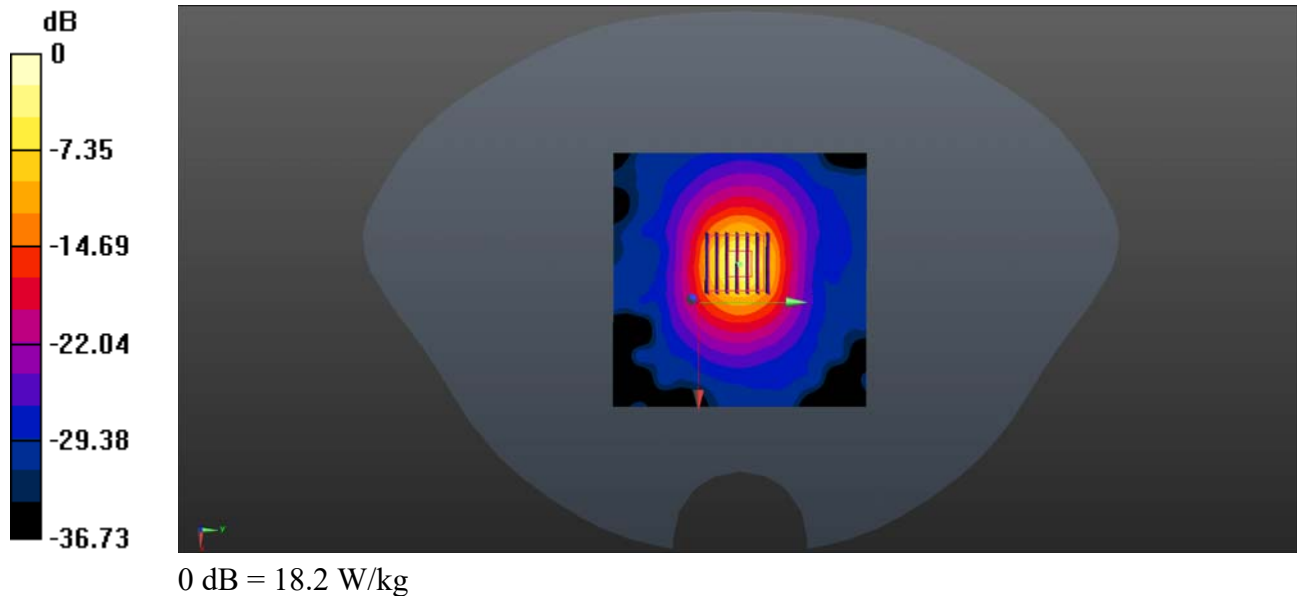
Peak SAR (extrapolated) = 37.9 W/kg

**SAR(1 g) = 8.42 W/kg; SAR(10 g) = 2.47 W/kg**

Smallest distance from peaks to all points 3 dB below = 7.6 mm

Ratio of SAR at M2 to SAR at M1 = 52.5%

Maximum value of SAR (measured) = 18.2 W/kg



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

Date: 2024.10.28

## 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;  $\sigma = 5.183$  S/m;  $\epsilon_r = 35.976$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

DASY5 Configuration:

- Probe: EX3DV4 - SN7608; ConvF(4.67, 4.8, 4.46) @ 5600 MHz; Calibrated: 2024.03.21
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1423; Calibrated 2024.03.17
- Phantom: SAM 2; Type: QD000P40CC; Serial: TP:1464
- 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) = 10.14 W/kg

**CW5600/Zoom Scan (7x7x13)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 39.05 V/m; Power Drift = 0.07 dB

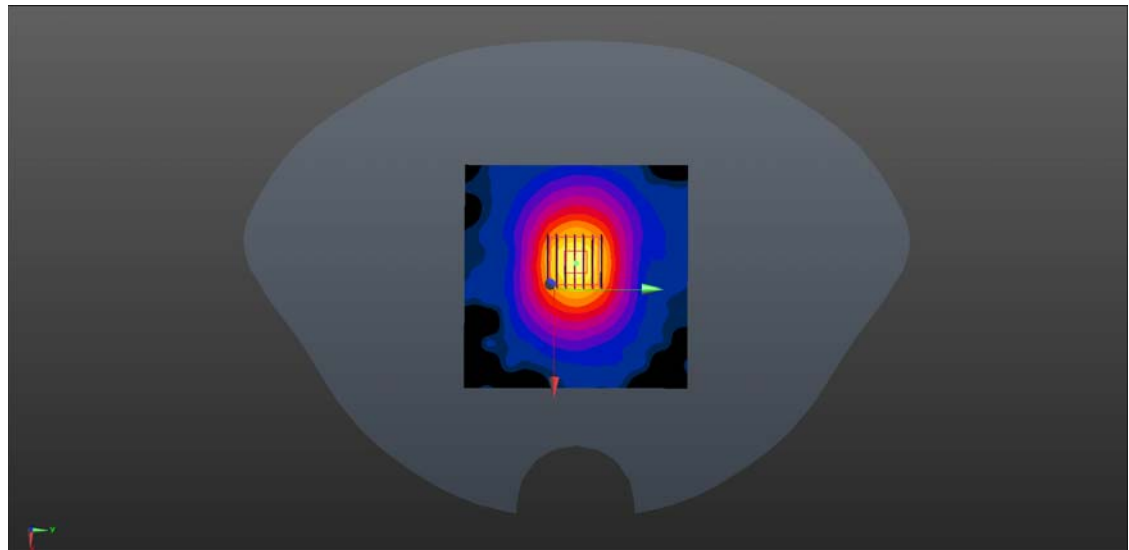
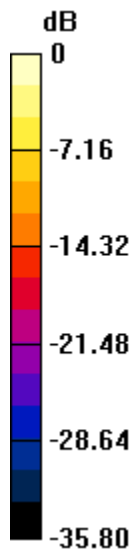
Peak SAR (extrapolated) = 38.2 W/kg

**SAR(1 g) = 8.52 W/kg; SAR(10 g) = 2.51 W/kg**

Smallest distance from peaks to all points 3 dB below = 7.3 mm

Ratio of SAR at M2 to SAR at M1 = 52.8%

Maximum value of SAR (measured) = 18.6 W/kg



0 dB = 18.6 W/kg

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

Date: 2024.10.20

## 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;  $\sigma = 5.317$  S/m;  $\epsilon_r = 35.708$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

### DASY5 Configuration:

- Probe: EX3DV4 - SN7608; ConvF(4.76, 4.89, 4.54) @ 5750 MHz; Calibrated: 2024.03.21
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1423; Calibrated 2024.03.17
- Phantom: SAM 2; Type: QD000P40CC; Serial: TP:1464
- 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) = 7.64 W/kg

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

Reference Value = 38.13 V/m; Power Drift = 0.06 dB

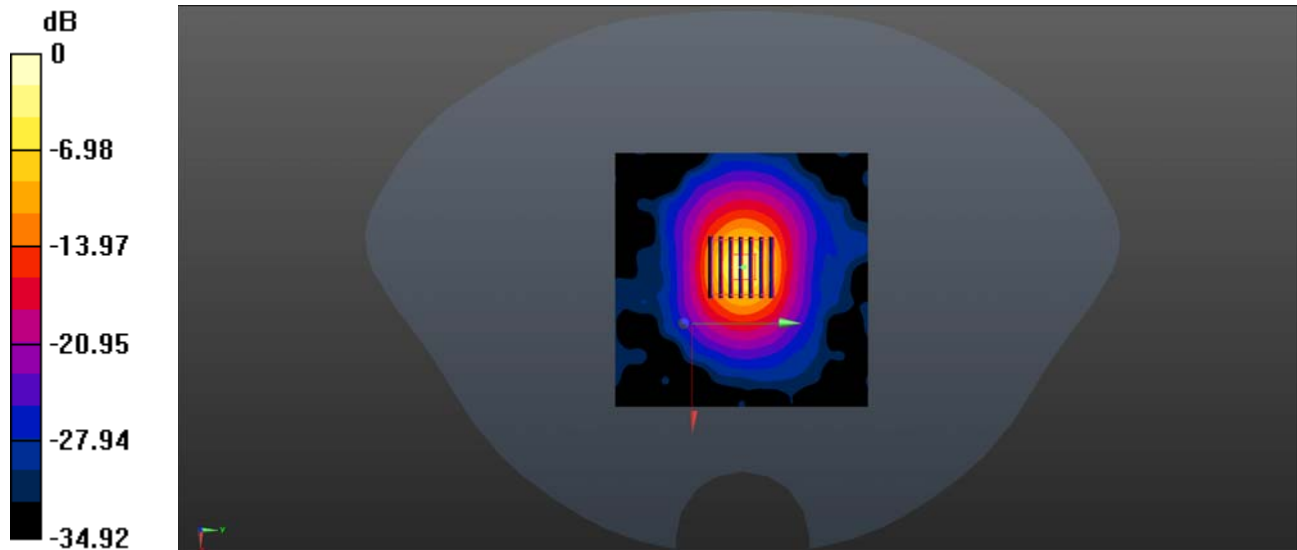
Peak SAR (extrapolated) = 37.2 W/kg

**SAR(1 g) = 8.26 W/kg; SAR(10 g) = 2.39 W/kg**

Smallest distance from peaks to all points 3 dB below = 7.4 mm

Ratio of SAR at M2 to SAR at M1 = 51.4%

Maximum value of SAR (measured) = 17.3 W/kg



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

Date: 2024.10.25

## 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;  $\sigma = 5.298$  S/m;  $\epsilon_r = 35.933$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

### DASY5 Configuration:

- Probe: EX3DV4 - SN7608; ConvF(4.76, 4.89, 4.54) @ 5750 MHz; Calibrated: 2024.03.21
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1423; Calibrated 2024.03.17
- Phantom: SAM 2; Type: QD000P40CC; Serial: TP:1464
- 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) = 8.63 W/kg

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

Reference Value = 39.35 V/m; Power Drift = 0.05 dB

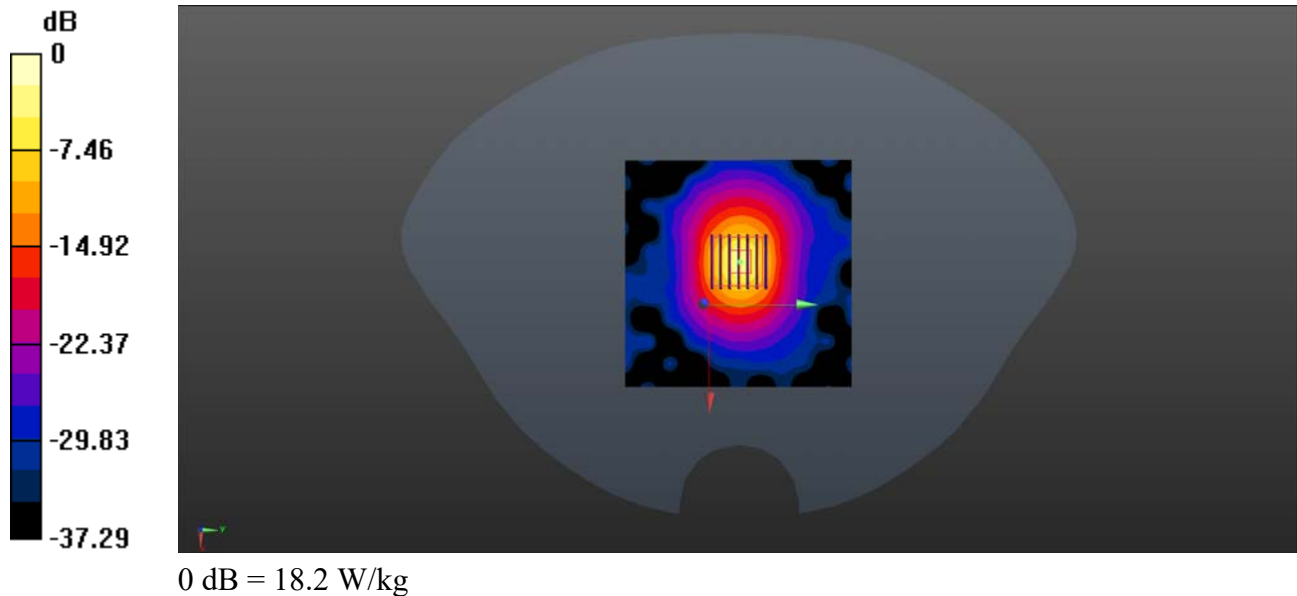
Peak SAR (extrapolated) = 38.1 W/kg

**SAR(1 g) = 8.35 W/kg; SAR(10 g) = 2.42 W/kg**

Smallest distance from peaks to all points 3 dB below = 7.1 mm

Ratio of SAR at M2 to SAR at M1 = 52.4%

Maximum value of SAR (measured) = 18.2 W/kg



## Measurement Report for Device, , , CW, Channel 0 (6500.0 MHz)

## Device Under Test Properties

| Model, Manufacturer | Dimensions [mm] | IMEI | DUT Type |
|---------------------|-----------------|------|----------|
| Device,             | n/a x n/a x n/a |      | Phone    |

## Exposure Conditions

| Phantom Section, TSL | Position, Test Distance [mm] | Band | Group, UID | Frequency [MHz], Channel Number | Conversion Factor | TSL Conductivity [S/m] | TSL Permittivity |
|----------------------|------------------------------|------|------------|---------------------------------|-------------------|------------------------|------------------|
| Flat, -              | 5                            |      | , 0--      | 6500.0, 0                       | 5.17              | 6.18                   | 34.66            |

## Hardware Setup

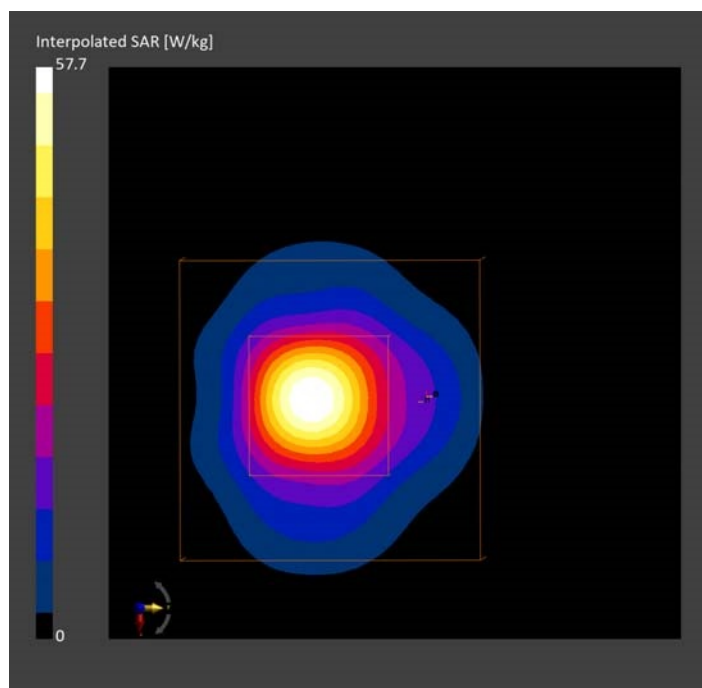
| Phantom                                 | TSL, Measured Date             | Probe, Calibration Date     | DAE, Calibration Date   |
|-----------------------------------------|--------------------------------|-----------------------------|-------------------------|
| Twin-SAM V8.0 (30deg probe tilt) - 2020 | HBBL-600-10000 Charge:xxxx, -- | EX3DV4 - SN7608, 2024-03-21 | DAE4 Sn1324, 2024-07-05 |

## Scans Setup

|                     | Area Scan   | Zoom Scan          |
|---------------------|-------------|--------------------|
| Grid Extents [mm]   | 51.0 x 85.0 | 22.0 x 22.0 x 22.0 |
| Grid Steps [mm]     | 8.5 x 8.5   | 3.4 x 3.4 x 1.4    |
| Sensor Surface [mm] | 3.0         | 1.4                |
| Graded Grid         | n/a         | Yes                |
| Grading Ratio       | n/a         | 1.4                |
| MAIA                | N/A         | N/A                |
| Surface Detection   | VMS + 6p    | VMS + 6p           |
| Scan Method         | Measured    | Measured           |

## Measurement Results

|                           | Area Scan         | Zoom Scan         |
|---------------------------|-------------------|-------------------|
| Date                      | 2024-10-15, 00:55 | 2024-10-15, 01:20 |
| psSAR1g [W/kg]            | 25.1              | 30.4              |
| psSAR10g [W/kg]           | 5.44              | 5.29              |
| psAPD (1.0cm2, sq) [W/m2] |                   | 307               |
| psAPD (4.0cm2, sq) [W/m2] |                   | 141               |
| Power Drift [dB]          | 0.16              | 0.14              |
| Power Scaling             | Disabled          | Disabled          |
| Scaling Factor [dB]       |                   |                   |
| TSL Correction            | No correction     | No correction     |
| M2/M1 [%]                 |                   | 53.4              |
| Dist 3dB Peak [mm]        |                   | 5.0               |





## Measurement Report for Device, , , CW, Channel 0 (6500.0 MHz)

## Device Under Test Properties

| Model, Manufacturer | Dimensions [mm] | IMEI | DUT Type |
|---------------------|-----------------|------|----------|
| Device,             | n/a x n/a x n/a |      | Phone    |

## Exposure Conditions

| Phantom Section, TSL | Position, Test Distance [mm] | Band | Group, UID | Frequency [MHz], Channel Number | Conversion Factor | TSL Conductivity [S/m] | TSL Permittivity |
|----------------------|------------------------------|------|------------|---------------------------------|-------------------|------------------------|------------------|
| Flat, -              | 5                            |      | , 0--      | 6500.0, 0                       | 5.17              | 6.14                   | 34.73            |

## Hardware Setup

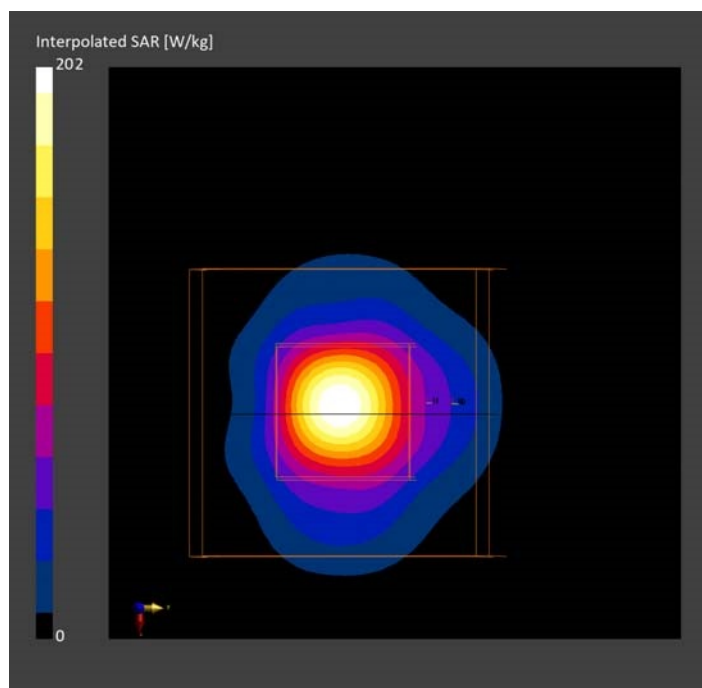
| Phantom                                 | TSL, Measured Date             | Probe, Calibration Date     | DAE, Calibration Date   |
|-----------------------------------------|--------------------------------|-----------------------------|-------------------------|
| Twin-SAM V8.0 (30deg probe tilt) - 2020 | HBBL-600-10000 Charge:xxxx, -- | EX3DV4 - SN7608, 2024-03-21 | DAE4 Sn1324, 2024-07-05 |

## Scans Setup

|                     | Area Scan   | Zoom Scan          |
|---------------------|-------------|--------------------|
| Grid Extents [mm]   | 51.0 x 85.0 | 22.0 x 22.0 x 22.0 |
| Grid Steps [mm]     | 8.5 x 8.5   | 3.4 x 3.4 x 1.4    |
| Sensor Surface [mm] | 3.0         | 1.4                |
| Graded Grid         | n/a         | Yes                |
| Grading Ratio       | n/a         | 1.4                |
| MAIA                | N/A         | N/A                |
| Surface Detection   | VMS + 6p    | VMS + 6p           |
| Scan Method         | Measured    | Measured           |

## Measurement Results

|                           | Area Scan         | Zoom Scan         |
|---------------------------|-------------------|-------------------|
| Date                      | 2024-10-17, 01:21 | 2024-10-17, 01:46 |
| psSAR1g [W/kg]            | 26.5              | 29.3              |
| psSAR10g [W/kg]           | 5.59              | 5.31              |
| psAPD (1.0cm2, sq) [W/m2] |                   | 299               |
| psAPD (4.0cm2, sq) [W/m2] |                   | 132               |
| Power Drift [dB]          | -0.02             | 0.04              |
| Power Scaling             | Disabled          | Disabled          |
| Scaling Factor [dB]       |                   |                   |
| TSL Correction            | No correction     | No correction     |
| M2/M1 [%]                 |                   | 52.2              |
| Dist 3dB Peak [mm]        |                   | 5.0               |



## Measurement Report for Device, , , CW, Channel 0 (6500.0 MHz)

## Device Under Test Properties

| Model, Manufacturer | Dimensions [mm] | IMEI | DUT Type |
|---------------------|-----------------|------|----------|
| Device,             | n/a x n/a x n/a |      | Phone    |

## Exposure Conditions

| Phantom Section, TSL | Position, Test Distance [mm] | Band    | Group, UID | Frequency [MHz], Channel Number | Conversion Factor | TSL Conductivity [S/m] | TSL Permittivity |
|----------------------|------------------------------|---------|------------|---------------------------------|-------------------|------------------------|------------------|
| Flat, HSL            | ,                            | CW, 0-- |            | 6500.0, 0                       | 5.0               | 6.08                   | 34.0             |

## Hardware Setup

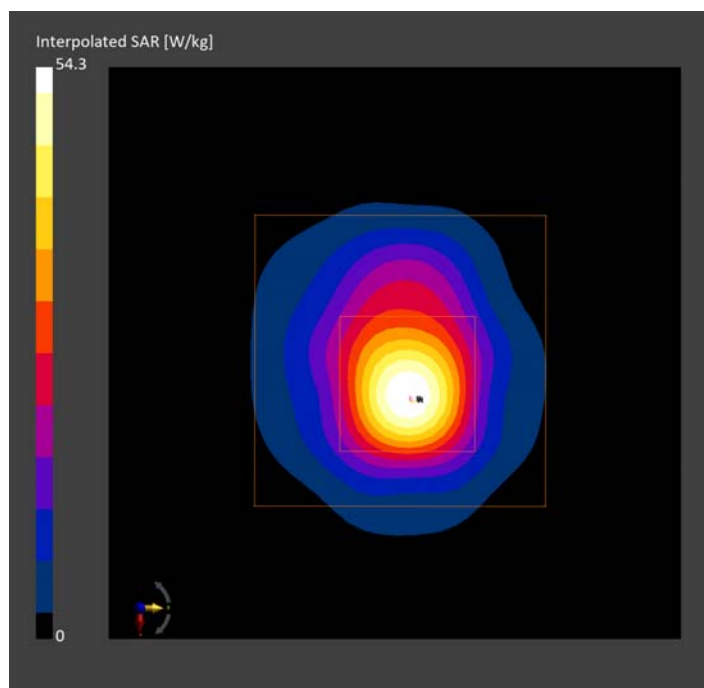
| Phantom                                 | TSL, Measured Date             | Probe, Calibration Date     | DAE, Calibration Date   |
|-----------------------------------------|--------------------------------|-----------------------------|-------------------------|
| Twin-SAM V8.0 (30deg probe tilt) – 2020 | HBBL-600-10000 Charge:xxxx, -- | EX3DV4 – SN7608, 2024-03-21 | DAE4 Sn1324, 2024-07-05 |

## Scans Setup

|                     | Area Scan   | Zoom Scan          |
|---------------------|-------------|--------------------|
| Grid Extents [mm]   | 51.0 x 85.0 | 22.0 x 22.0 x 22.0 |
| Grid Steps [mm]     | 8.5 x 8.5   | 3.4 x 3.4 x 1.4    |
| Sensor Surface [mm] | 3.0         | 1.4                |
| Graded Grid         | n/a         | Yes                |
| Grading Ratio       | n/a         | 1.4                |
| MAIA                | N/A         | N/A                |
| Surface Detection   | VMS + 6p    | VMS + 6p           |
| Scan Method         | Measured    | Measured           |

## Measurement Results

|                           | Area Scan         | Zoom Scan         |
|---------------------------|-------------------|-------------------|
| Date                      | 2024-10-21, 00:03 | 2024-10-21, 00:33 |
| psSAR1g [W/kg]            | 28.6              | 30.1              |
| psSAR10g [W/kg]           | 5.14              | 5.63              |
| psAPD (1.0cm2, sq) [W/m2] |                   | 341               |
| psAPD (4.0cm2, sq) [W/m2] |                   | 143               |
| Power Drift [dB]          | -0.01             | 0.08              |
| Power Scaling             | Disabled          | Disabled          |
| Scaling Factor [dB]       |                   |                   |
| TSL Correction            | No correction     | No correction     |
| M2/M1 [%]                 |                   | 52.8              |
| Dist 3dB Peak [mm]        |                   | 4.9               |



## Measurement Report for Device, , , CW, Channel 0 (6500.0 MHz)

## Device Under Test Properties

| Model, Manufacturer | Dimensions [mm] | IMEI | DUT Type |
|---------------------|-----------------|------|----------|
| Device,             | n/a x n/a x n/a |      | Phone    |

## Exposure Conditions

| Phantom Section, TSL | Position, Test Distance [mm] | Band | Group, UID | Frequency [MHz], Channel Number | Conversion Factor | TSL Conductivity [S/m] | TSL Permittivity |
|----------------------|------------------------------|------|------------|---------------------------------|-------------------|------------------------|------------------|
| Flat, HSL            | ,                            | CW   | 0--        | 6500.0, 0                       | 5.0               | 6.00                   | 34.07            |

## Hardware Setup

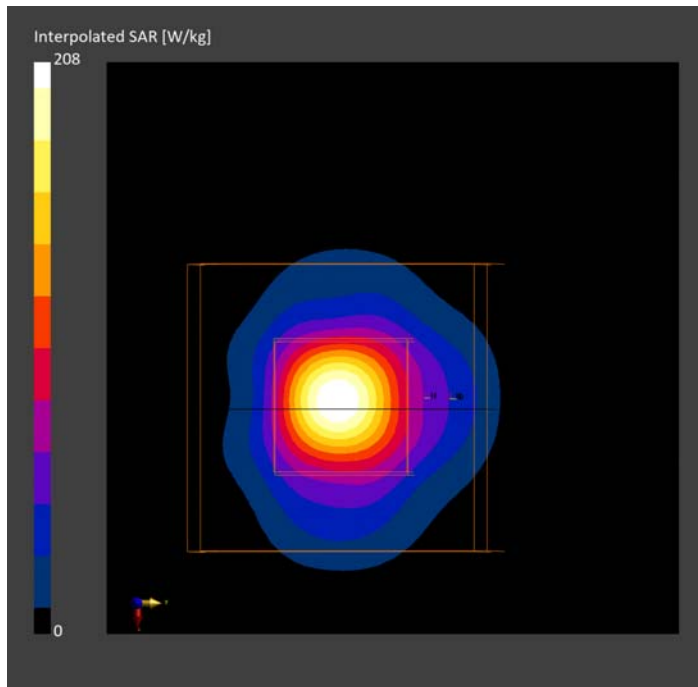
| Phantom                                 | TSL, Measured Date             | Probe, Calibration Date     | DAE, Calibration Date   |
|-----------------------------------------|--------------------------------|-----------------------------|-------------------------|
| Twin-SAM V8.0 (30deg probe tilt) – 2020 | HBBL-600-10000 Charge:xxxx, -- | EX3DV4 – SN7608, 2024-03-21 | DAE4 Sn1324, 2024-07-05 |

## Scans Setup

|                     | Area Scan   | Zoom Scan          |
|---------------------|-------------|--------------------|
| Grid Extents [mm]   | 51.0 x 85.0 | 22.0 x 22.0 x 22.0 |
| Grid Steps [mm]     | 8.5 x 8.5   | 3.4 x 3.4 x 1.4    |
| Sensor Surface [mm] | 3.0         | 1.4                |
| Graded Grid         | n/a         | Yes                |
| Grading Ratio       | n/a         | 1.4                |
| MAIA                | N/A         | N/A                |
| Surface Detection   | VMS + 6p    | VMS + 6p           |
| Scan Method         | Measured    | Measured           |

## Measurement Results

|                           | Area Scan         | Zoom Scan         |
|---------------------------|-------------------|-------------------|
| Date                      | 2024-10-29, 23:20 | 2024-10-29, 23:30 |
| psSAR1g [W/kg]            | 26.2              | 30.3              |
| psSAR10g [W/kg]           | 4.90              | 5.42              |
| psAPD (1.0cm2, sq) [W/m2] |                   | 324               |
| psAPD (4.0cm2, sq) [W/m2] |                   | 134               |
| Power Drift [dB]          | 0.04              | 0.11              |
| Power Scaling             | Disabled          | Disabled          |
| Scaling Factor [dB]       |                   |                   |
| TSL Correction            | No correction     | No correction     |
| M2/M1 [%]                 |                   | 51.5              |
| Dist 3dB Peak [mm]        |                   | 5.0               |



## Measurement Report for Device, , , CW, Channel 0 (6500.0 MHz)

## Device Under Test Properties

| Model, Manufacturer | Dimensions [mm] | IMEI | DUT Type |
|---------------------|-----------------|------|----------|
| Device,             | n/a x n/a x n/a |      | Phone    |

## Exposure Conditions

| Phantom Section, TSL | Position, Test Distance [mm] | Band    | Group, UID | Frequency [MHz], Channel Number | Conversion Factor | TSL Conductivity [S/m] | TSL Permittivity |
|----------------------|------------------------------|---------|------------|---------------------------------|-------------------|------------------------|------------------|
| Flat, HSL            | ,                            | CW, 0-- |            | 6500.0, 0                       | 5.0               | 6.09                   | 34.1             |

## Hardware Setup

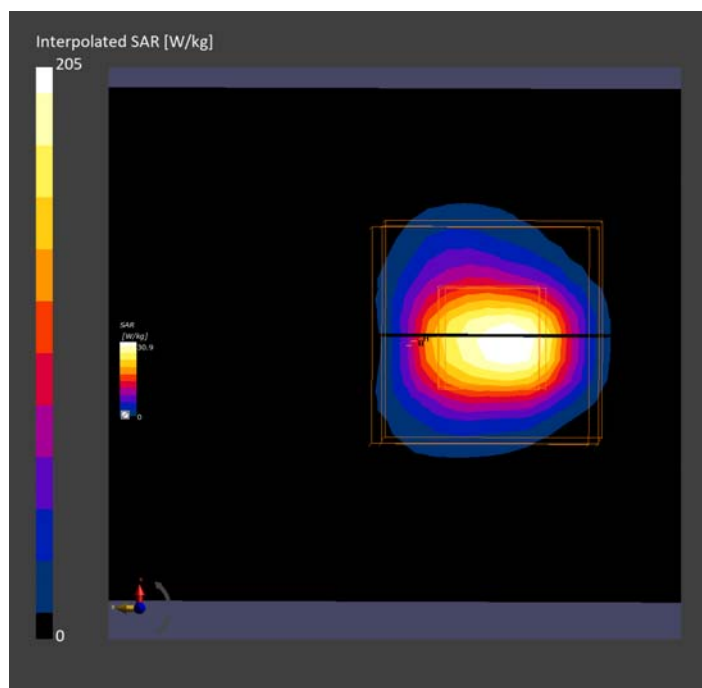
| Phantom                                 | TSL, Measured Date             | Probe, Calibration Date     | DAE, Calibration Date   |
|-----------------------------------------|--------------------------------|-----------------------------|-------------------------|
| Twin-SAM V8.0 (30deg probe tilt) – 2020 | HBBL-600-10000 Charge:xxxx, -- | EX3DV4 – SN7608, 2024-03-21 | DAE4 Sn1324, 2024-07-05 |

## Scans Setup

|                     | Area Scan   | Zoom Scan          |
|---------------------|-------------|--------------------|
| Grid Extents [mm]   | 51.0 x 85.0 | 22.0 x 22.0 x 22.0 |
| Grid Steps [mm]     | 8.5 x 8.5   | 3.4 x 3.4 x 1.4    |
| Sensor Surface [mm] | 3.0         | 1.4                |
| Graded Grid         | n/a         | Yes                |
| Grading Ratio       | n/a         | 1.4                |
| MAIA                | N/A         | N/A                |
| Surface Detection   | VMS + 6p    | VMS + 6p           |
| Scan Method         | Measured    | Measured           |

## Measurement Results

|                           | Area Scan         | Zoom Scan         |
|---------------------------|-------------------|-------------------|
| Date                      | 2024-10-30, 22:30 | 2024-10-30, 22:50 |
| psSAR1g [W/kg]            | 25.6              | 29.5              |
| psSAR10g [W/kg]           | 4.75              | 5.34              |
| psAPD (1.0cm2, sq) [W/m2] |                   | 310               |
| psAPD (4.0cm2, sq) [W/m2] |                   | 128               |
| Power Drift [dB]          | -0.07             | -0.13             |
| Power Scaling             | Disabled          | Disabled          |
| Scaling Factor [dB]       |                   |                   |
| TSL Correction            | No correction     | No correction     |
| M2/M1 [%]                 |                   | 51.5              |
| Dist 3dB Peak [mm]        |                   | 5.0               |





Laboratory Name: Morlab Grop

Measurement Report for Device, FRONT, Validation band, CW, Channel 10000 (10000.0 MHz)

## Device Under Test Properties

| Model, Manufacturer | Dimensions [mm]       | IMEI | DUT Type |
|---------------------|-----------------------|------|----------|
| Device,             | 100.0 x 100.0 x 100.0 |      | Phone    |

## Exposure Conditions

| Phantom Section | Position, Test Distance [mm] | Band            | Group, UID | Frequency [MHz], Channel Number | Conversion Factor |
|-----------------|------------------------------|-----------------|------------|---------------------------------|-------------------|
| 5G              | FRONT, 5.55                  | Validation band | CW, 0--    | 10000.0, 10000                  | 1.0               |

## Hardware Setup

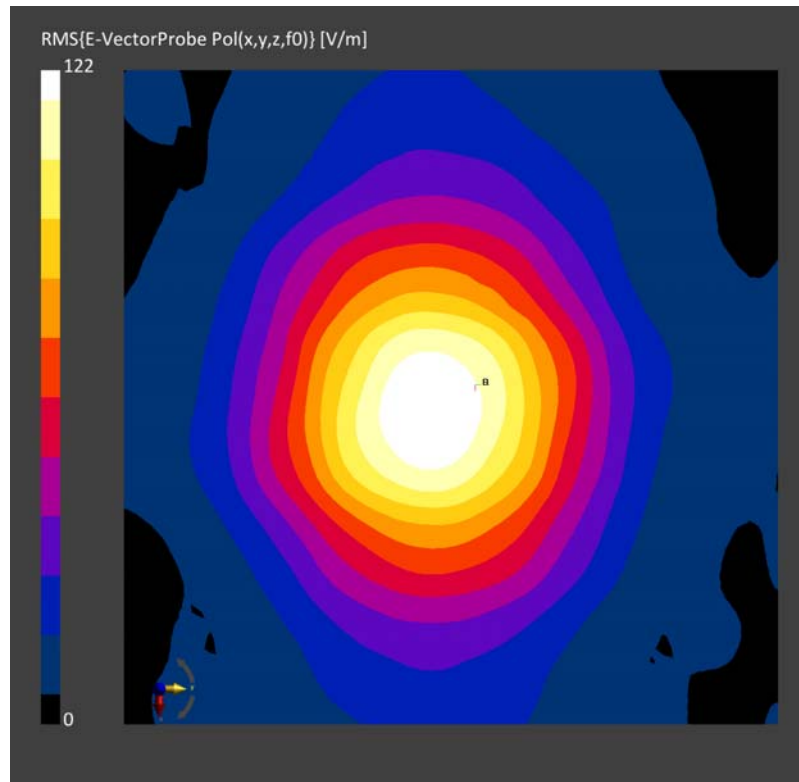
| Phantom       | Medium | Probe, Calibration Date               | DAE, Calibration Date   |
|---------------|--------|---------------------------------------|-------------------------|
| mmWave - xxxx | Air -  | EUmmWV4 - SN9602_F1-55GHz, 2024-03-12 | DAE4 Sn1324, 2024-07-05 |

## Scans Setup

| Scan Type           | 5G Scan     |
|---------------------|-------------|
| Grid Extents [mm]   | 60.0 x 60.0 |
| Grid Steps [lambda] | 0.25 x 0.25 |
| Sensor Surface [mm] | 5.55        |
| MAIA                | N/A         |

## Measurement Results

| Scan Type                    | 5G Scan           |
|------------------------------|-------------------|
| Date                         | 2024-10-25, 02:49 |
| Avg. Area [cm <sup>2</sup> ] | 4.00              |
| psPDtot+ [W/m <sup>2</sup> ] | 41.5              |
| psPDmod+ [W/m <sup>2</sup> ] | 41.8              |
| E <sub>max</sub> [V/m]       | 115               |



Laboratory Name: Morlab Grop

Measurement Report for Device, FRONT, Validation band, CW, Channel 10000 (10000.0 MHz)

## Device Under Test Properties

| Model, Manufacturer | Dimensions [mm]       | IMEI | DUT Type |
|---------------------|-----------------------|------|----------|
| Device,             | 100.0 x 100.0 x 100.0 |      | Phone    |

## Exposure Conditions

| Phantom Section | Position, Test Distance [mm] | Band            | Group, UID | Frequency [MHz], Channel Number | Conversion Factor |
|-----------------|------------------------------|-----------------|------------|---------------------------------|-------------------|
| 5G              | FRONT, 5.55                  | Validation band | CW, 0--    | 10000.0, 10000                  | 1.0               |

## Hardware Setup

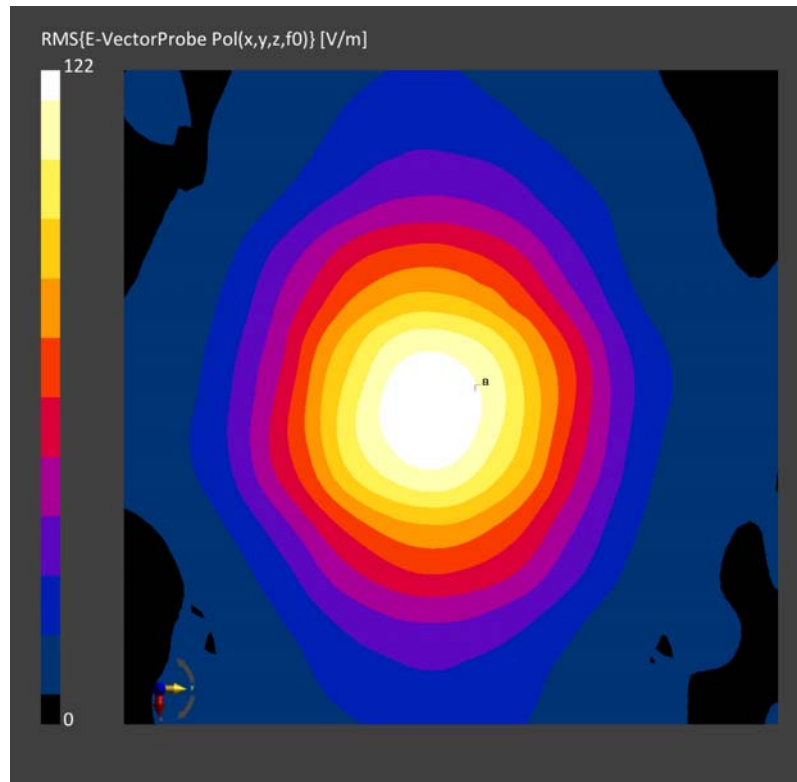
| Phantom       | Medium | Probe, Calibration Date               | DAE, Calibration Date   |
|---------------|--------|---------------------------------------|-------------------------|
| mmWave - xxxx | Air -  | EUmmWV4 - SN9602_F1-55GHz, 2024-03-12 | DAE4 Sn1324, 2024-07-05 |

## Scans Setup

| Scan Type           | 5G Scan     |
|---------------------|-------------|
| Grid Extents [mm]   | 60.0 x 60.0 |
| Grid Steps [lambda] | 0.25 x 0.25 |
| Sensor Surface [mm] | 5.55        |
| MAIA                | N/A         |

## Measurement Results

| Scan Type                    | 5G Scan           |
|------------------------------|-------------------|
| Date                         | 2024-10-22, 00:09 |
| Avg. Area [cm <sup>2</sup> ] | 4.00              |
| psPDtot+ [W/m <sup>2</sup> ] | 40.4              |
| psPDmod+ [W/m <sup>2</sup> ] | 40.7              |
| E <sub>max</sub> [V/m]       | 109               |



Laboratory Name: Morlab Grop

Measurement Report for Device, FRONT, Validation band, CW, Channel 10000 (10000.0 MHz)

## Device Under Test Properties

| Model, Manufacturer | Dimensions [mm]       | IMEI | DUT Type |
|---------------------|-----------------------|------|----------|
| Device,             | 100.0 x 100.0 x 100.0 |      | Phone    |

## Exposure Conditions

| Phantom Section | Position, Test Distance [mm] | Band            | Group, UID | Frequency [MHz], Channel Number | Conversion Factor |
|-----------------|------------------------------|-----------------|------------|---------------------------------|-------------------|
| 5G              | FRONT, 5.55                  | Validation band | CW, 0--    | 10000.0, 10000                  | 1.0               |

## Hardware Setup

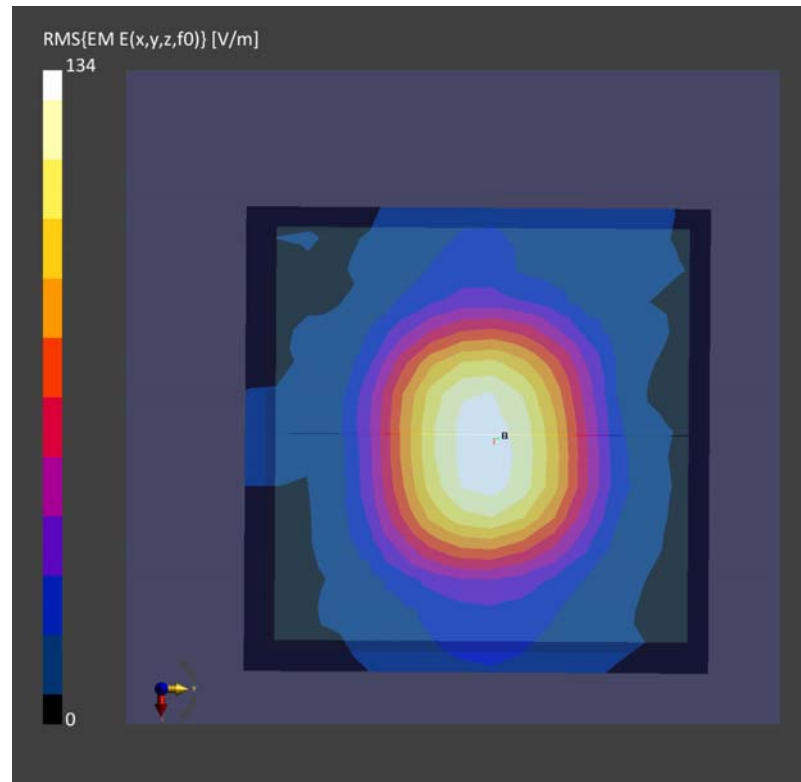
| Phantom       | Medium | Probe, Calibration Date               | DAE, Calibration Date   |
|---------------|--------|---------------------------------------|-------------------------|
| mmWave - xxxx | Air -  | EUmmWV4 - SN9602_F1-55GHz, 2024-03-12 | DAE4 Sn1324, 2024-07-05 |

## Scans Setup

|                     |                 |
|---------------------|-----------------|
| Scan Type           | 5G Scan         |
| Grid Extents [mm]   | 60.0 x 60.0     |
| Grid Steps [lambda] | 0.0625 x 0.0625 |
| Sensor Surface [mm] | 5.55            |
| MAIA                | N/A             |

## Measurement Results

|                              |                   |
|------------------------------|-------------------|
| Scan Type                    | 5G Scan           |
| Date                         | 2024-10-23, 04:05 |
| Avg. Area [cm <sup>2</sup> ] | 4.00              |
| psPDtot+ [W/m <sup>2</sup> ] | 41.1              |
| psPDmod+ [W/m <sup>2</sup> ] | 41.6              |
| E <sub>max</sub> [V/m]       | 110               |



Laboratory Name: Morlab Grop

Measurement Report for Device, FRONT, Validation band, CW, Channel 10000 (10000.0 MHz)

## Device Under Test Properties

| Model, Manufacturer | Dimensions [mm]       | IMEI | DUT Type |
|---------------------|-----------------------|------|----------|
| Device,             | 100.0 x 100.0 x 100.0 |      | Phone    |

## Exposure Conditions

| Phantom Section | Position, Test Distance [mm] | Band            | Group, UID | Frequency [MHz], Channel Number | Conversion Factor |
|-----------------|------------------------------|-----------------|------------|---------------------------------|-------------------|
| 5G              | FRONT, 5.55                  | Validation band | CW, 0--    | 10000.0, 10000                  | 1.0               |

## Hardware Setup

| Phantom       | Medium | Probe, Calibration Date               | DAE, Calibration Date   |
|---------------|--------|---------------------------------------|-------------------------|
| mmWave - xxxx | Air -  | EUmmWV4 - SN9602_F1-55GHz, 2024-03-12 | DAE4 Sn1324, 2024-07-05 |

## Scans Setup

|                     |                 |
|---------------------|-----------------|
| Scan Type           | 5G Scan         |
| Grid Extents [mm]   | 60.0 x 60.0     |
| Grid Steps [lambda] | 0.0625 x 0.0625 |
| Sensor Surface [mm] | 5.55            |
| MAIA                | N/A             |

## Measurement Results

|                              |                   |
|------------------------------|-------------------|
| Scan Type                    | 5G Scan           |
| Date                         | 2024-10-27, 03:05 |
| Avg. Area [cm <sup>2</sup> ] | 4.00              |
| psPDtot+ [W/m <sup>2</sup> ] | 42.8              |
| psPDmod+ [W/m <sup>2</sup> ] | 43.6              |
| E <sub>max</sub> [V/m]       | 120               |

