

Date: 2024-12-05

**System Check\_Head\_6500MHz****DUT: D6.5GHzV2 - SN1031**

Communication System: CW; Frequency: 6500.000 MHz; Duty Cycle: 1:1

Medium: Head Simulating Liquid Medium parameters used:  $f = 6500.000$  MHz;  $\sigma = 6.06$  S/m;  $\epsilon_r = 34.5$ 

Ambient Temperature: 23.2°C; Liquid Temperature: 22.7°C

## DASY8 Configuration:

- Probe: EX3DV4 - SN7764; ConvF(5.74, 5.63, 5.69); Calibrated: 2024-09-02
- Sensor-Surface: 1.4 mm
- Electronics: DAE4 Sn1691; Calibrated: 2024-04-19
- Phantom: Twin-SAM V8.0 (30deg probe tilt); Serial: 1753
- Measurement Software: 16.4.0.5005
- UID: CW, 0--

**Area Scan (51.0 mm x 85.0 mm):** Measurement Grid: 8.5 mm x 8.5 mm

SAR (1g) = 12.4 W/kg; SAR (10g) = 2.49 W/kg;

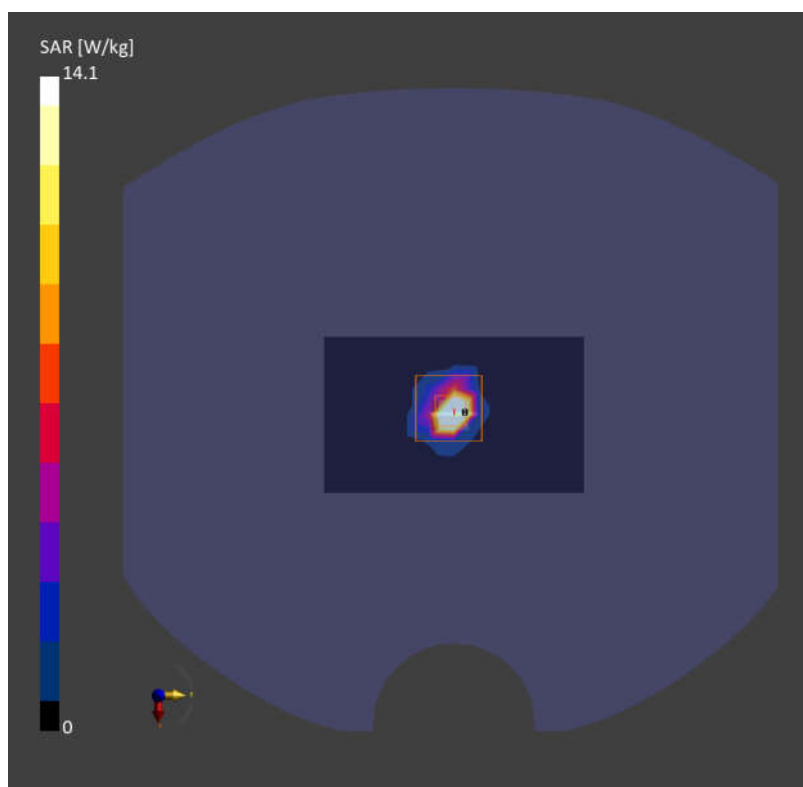
**Zoom Scan (22.0 mm x 22.0 mm x 22.0 mm):** Measurement Grid: 3.4 mm x 3.4 mm x 1.4 mm

Power Drift = -0.20 dB

SAR (1g) = 14.1 W/kg; SAR (10g) = 2.62 W/kg

Smallest distance from peaks to all points 3 dB below = 4.8 mm

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

psAPD (4.0cm<sup>2</sup>, sq) = 63.8 [W/m<sup>2</sup>]

Measurement Report for Source 10G, FRONT, Validation band, CW, Channel 10000 (10000.0 MHz)

Device Under Test Properties

Model, Manufacturer	Dimensions [mm]
Source 10G,	100.0 x 100.0 x 105.0

Exposure Conditions

Phantom Section	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor
5G	FRONT, 10.00	Validation band	CW, 0--	10000.0, 10000	1.0

Hardware Setup

Phantom	Medium	Probe, Calibration Date	DAE, Calibration Date
mmWave - 1065	Air -	EUmmWV4 - SN9432_F1-55GHz, 2023-12-13	DAE4 Sn1358, 2024-5-23

Scans Setup

Scan Type	5G Scan
Grid Extents [mm]	60.0 x 60.0
Grid Steps [lambda]	0.125 x 0.125
Sensor Surface [mm]	10.0
MAIA	N/A

Measurement Results

Scan Type	5G Scan
Date	2024-12-10
Avg. Area [cm <sup>2</sup> ]	4.00
psPDn+ [W/m <sup>2</sup> ]	99.8
psPDtot+ [W/m <sup>2</sup> ]	100
psPDmod+ [W/m <sup>2</sup> ]	104
E <sub>max</sub> [V/m]	242
Power Drift [dB]	0.03

