

### System Check\_Head\_6500MHz

#### DUT: D6.5GHzV2 - SN:1031

Communication System: UID 0, CW (0); Frequency: 6500 MHz; Duty Cycle: 1:1  
Medium: HSL\_6500 Medium parameters used:  $f = 6500$  MHz;  $\sigma = 6.18$  S/m;  $\epsilon_r = 33.706$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Ambient Temperature : 23.2 °C; Liquid Temperature : 22.8 °C

#### DASY5 Configuration:

- Probe: EX3DV4 - SN3857; ConvF(5.8, 5.17, 5.72); Calibrated: 2024/1/22
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1650; Calibrated: 2023/9/13
- Phantom: SAM Twin Phantom; Type: SAM Twin; Serial: TP-1697
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

**Pin=100mW/Area Scan (121x121x1):** Interpolated grid: dx=0.8500 mm, dy=0.8500 mm  
Maximum value of SAR (interpolated) = 101 W/kg

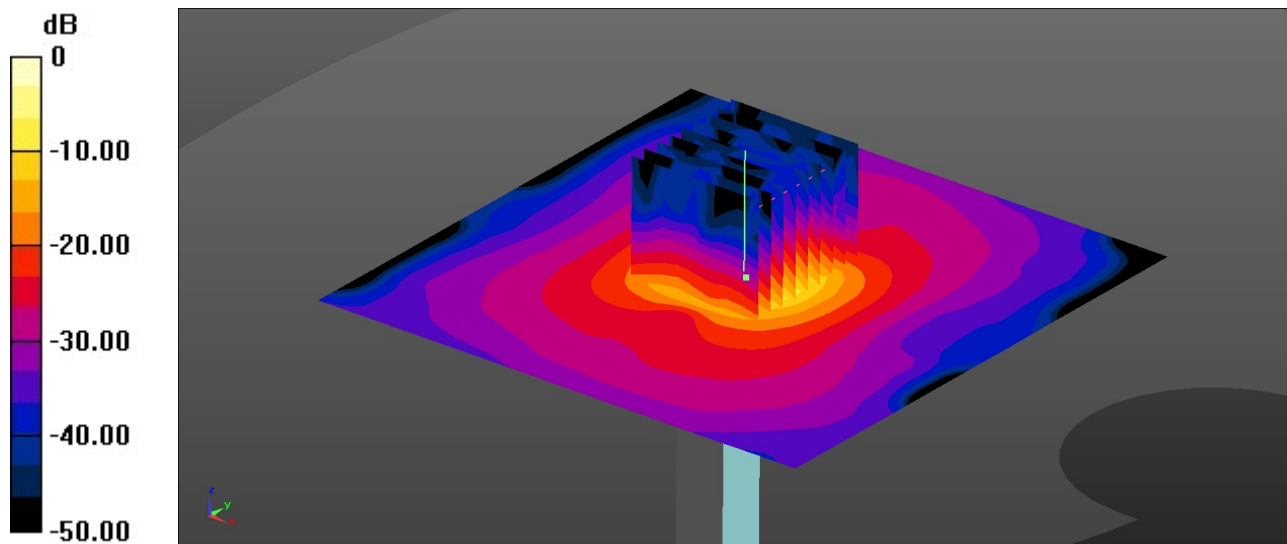
**Pin=100mW/Zoom Scan (9x9x7)/Cube 0:** Measurement grid: dx=3.4mm, dy=3.4mm, dz=1.4mm

Reference Value = 115.4 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 265 W/kg

**SAR(1 g) = 30.1 W/kg; SAR(10 g) = 5.72 W/kg**

Maximum value of SAR (measured) = 95.6 W/kg



0 dB = 95.6 W/kg = 19.8 dBW/kg

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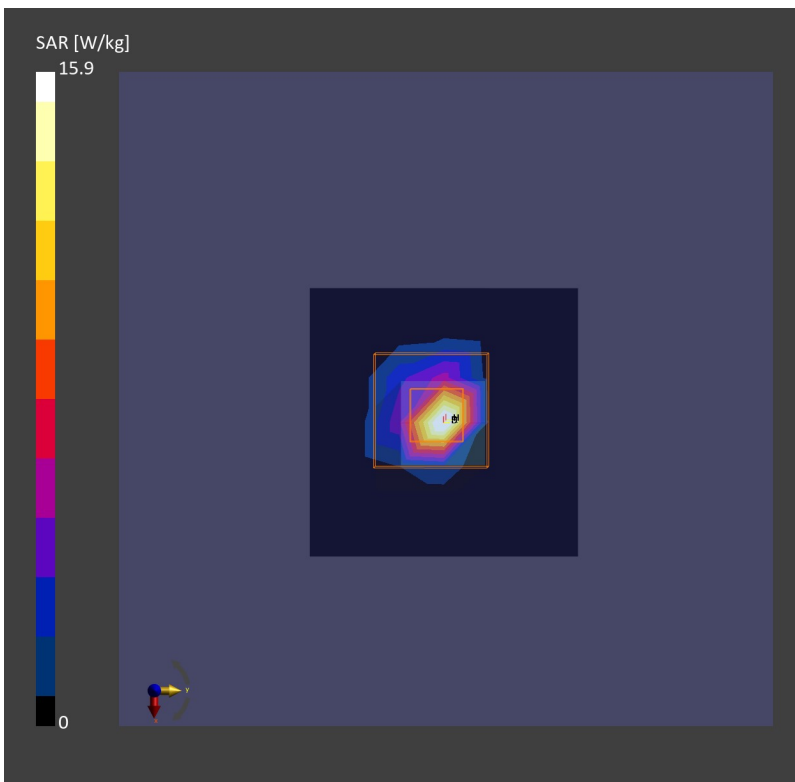
Communication System: Validation band; Frequency: 6500.0  
Medium: HSL. Medium parameters used:  $f=6500.0$  MHz;  $\sigma=6.16$  S/m;  $\epsilon_r=34.6$   
Ambient Temperature: 23.3°C; Liquid Temperature: 22.9°C

#### DASY6 Configuration:

- Probe: EX3DV4 - SN7706; ConvF(5.27, 6.32, 5.24); Calibrated: 2024-01-24
- Sensor-Surface: 1.4 mm
- Electronics: DAE4 Sn1649; Calibrated: 2023-04-24
- Phantom: Twin-SAM V8.0 (30deg probe tilt); Serial: 2024
- Measurement Software: 16.2.4.2448

**Area Scan (51.0 mm x 51.0 mm):** Measurement Grid: 8.5 mm x 8.5 mm  
SAR (1g) = 8.37 W/kg; SAR (10g) = 2.85 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 = 0.04 dB  
SAR (1g) = 15.9 W/kg; SAR (10g) = 2.68 W/kg;



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

Device Under Test Properties

Model, Manufacturer	Dimensions [mm]
Device,	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 - SN9553_F1-55GHz, 2023-10-18	DAE4 Sn690, 2023-06-20

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	2024-04-07
Avg. Area [cm <sup>2</sup> ]	4.00
psPDn+ [W/m <sup>2</sup> ]	61.5
psPDtot+ [W/m <sup>2</sup> ]	61.7
psPDmod+ [W/m <sup>2</sup> ]	63.6
E <sub>max</sub> [V/m]	188
Power Drift [dB]	-0.01

