

Date: 2025-11-02

**System Check\_Head\_6500MHz****DUT: D6.5GHzV2 - SN1003**

Communication System: CW; Frequency: 6500.000 MHz

Medium: HSL\_600-10000\_251102 Medium parameters used:  $f = 6500.000$  MHz;  $\sigma = 6.00$  S/m;  $\epsilon_r = 32.4$ 

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

DASY8 Configuration:

- Probe: EX3DV4 - SN7700; ConvF(5.75, 5.53, 5.56); Calibrated: 2025-01-22
- Sensor-Surface: 1.4 mm
- Electronics: DAE4ip Sn1800; Calibrated: 2025-06-16
- Phantom: ELI V8.0 (20deg probe tilt); Serial: 2157; Section: Flat;
- Measurement Software: 16.4.0.5005
- UID: CW, 0--

**Pin=20.0dBm/Area Scan (51.0 mm x 85.0 mm):** Measurement Grid: 8.5 mm x 8.5 mm

SAR (1g) = 26.0 W/kg; SAR (10g) = 5.06 W/kg;

TSL Correction: Positive only

**Pin=20.0dBm/Zoom Scan (27.2 mm x 27.2 mm x 22.9 mm):** Measurement Grid: 3.4 mm x 3.4 mm x 1.4 mm

Power Drift = 0.05 dB

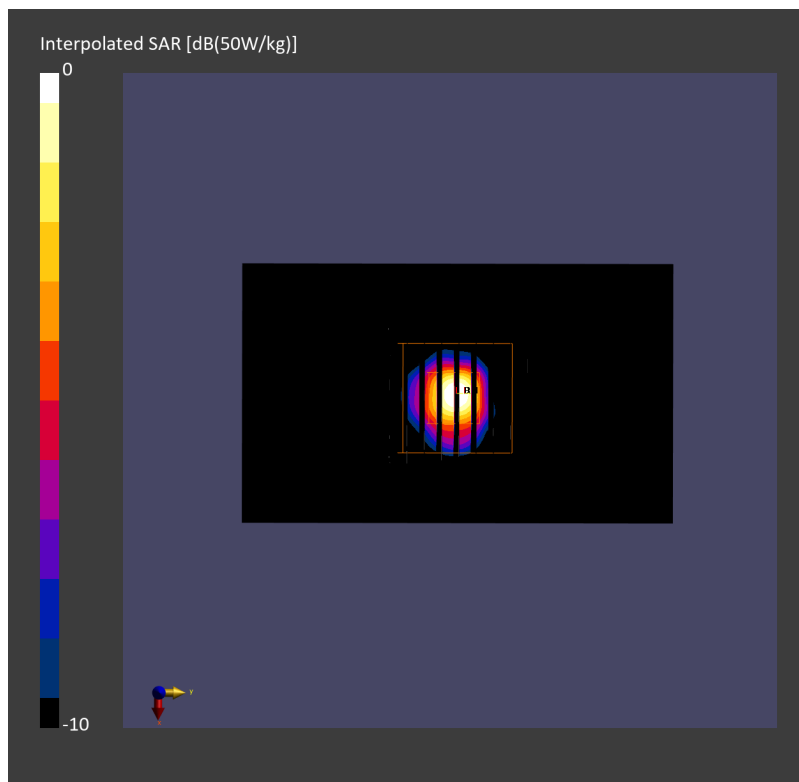
SAR (1g) = 32.0 W/kg; SAR (8g) = 7.15 W/kg; SAR (10g) = 5.91 W/kg

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

Ratio of SAR at M2 to SAR at M1 = 50.3 %

psAPD (1.0cm<sup>2</sup>, sq) = 320 [W/m<sup>2</sup>]; psAPD (4.0cm<sup>2</sup>, sq) = 143 [W/m<sup>2</sup>]

TSL Correction: Positive only



Measurement Report for Device

Device Under Test Properties

|                     |                   |                  |                        |
|---------------------|-------------------|------------------|------------------------|
| Model, Manufacturer | Dimensions [mm]   | Software Version | DUT Type               |
| Device,             | 70.0 x 50.0 x 8.0 | 3.2.0.1840       | 5G Verification Source |

Exposure Conditions

|                 |                              |                 |                   |
|-----------------|------------------------------|-----------------|-------------------|
| Phantom Section | Position, Test Distance [mm] | Frequency [MHz] | Conversion Factor |
| 5G              | FRONT, 10.00                 | 10000.0         | 1.0               |

Hardware Setup

|               |        |                                       |                         |
|---------------|--------|---------------------------------------|-------------------------|
| Phantom       | Medium | Probe, Calibration Date               | DAE, Calibration Date   |
| mmWave – 1109 | Air –  | EUmmWV4 – SN9461_F1–55GHz, 2025–10–15 | DAE4 Sn1399, 2025–03–14 |

Scans Setup

|                     |               |
|---------------------|---------------|
| Scan Type           | 5G Scan       |
| Grid Extents [mm]   | 120.0 x 120.0 |
| Grid Steps [lambda] | 0.25 x 0.25   |
| Sensor Surface [mm] | 10.0          |

Measurement Results

|                                           |            |
|-------------------------------------------|------------|
| Date                                      | 2025–11–17 |
| Avg. Area [cm <sup>2</sup> ]              | 4.00       |
| psPDn+ [W/m <sup>2</sup> ]                | 48.1       |
| psPDtot+ [W/m <sup>2</sup> ]              | 48.3       |
| H <sub>max</sub> [A/m]                    | 0.379      |
| E <sub>max</sub> [V/m]                    | 145        |
| max <sub>(Stot)</sub> [W/m <sup>2</sup> ] | 53.9       |
| Power Drift [dB]                          | 0.07       |
| IPDn                                      |            |

