

Date: 2024-09-15

System Check_Head_6500MHz**DUT: D6.5GHzV2 - SN1031**

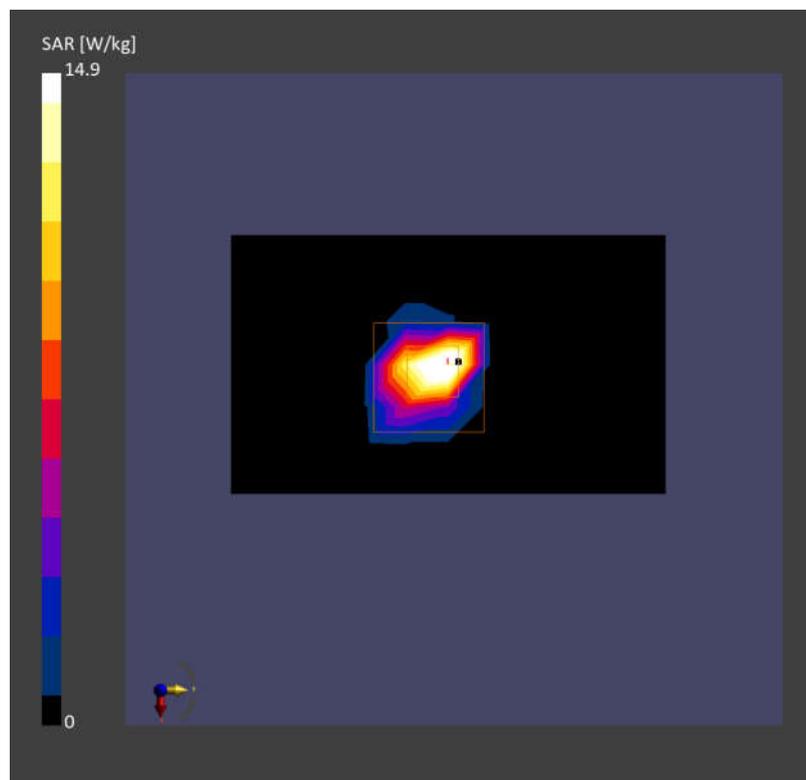
Communication System: CW; Frequency: 6500.000 MHz; Duty Cycle: 1:1
Medium: HSL Medium parameters used: $f=6500.000$ MHz; $\sigma=6.16$ S/m; $\epsilon_r=34.6$
Ambient Temperature: 23.3°C; Liquid Temperature: 22.8°C

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: 2024-07-03
- Phantom: Twin-SAM V8.0 (30deg probe tilt); Serial: 2024; Section: Flat
- Measurement Software: 16.4.0.5005

Area Scan (51.0 mm x 85.0 mm): Measurement Grid: 8.5 mm x 8.5 mm
SAR (1g) = 11.9 W/kg; SAR (10g) = 2.52 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) = 14.9 W/kg; SAR (10g) = 2.64 W/kg
Smallest distance from peaks to all points 3 dB below = 4.4 mm
Ratio of SAR at M2 to SAR at M1 = 53.7 %
psAPD (4.0cm², sq) = 63.8 [W/m²]



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

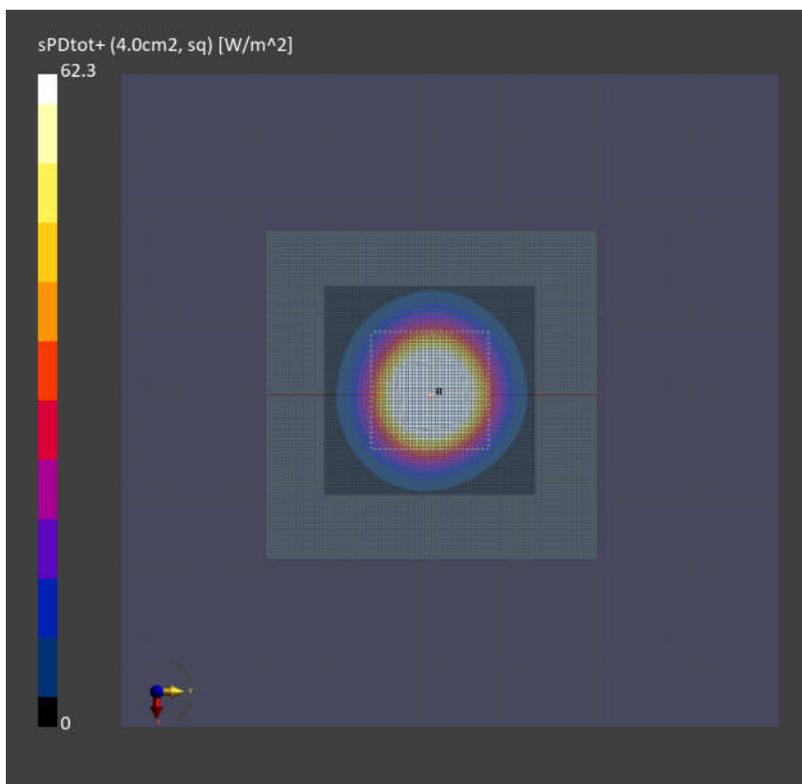
Phantom	Medium	Probe, Calibration Date	DAE, Calibration Date
mmWave - 1065	Air -	EUmmWV4 - SN9553_F1-55GHz, 2023-10-18	DAE4 Sn1358, 2024-05-23

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	2024-09-20
Avg. Area [cm ²]	4.00
psPDn+ [W/m ²]	61
psPDtot+ [W/m ²]	62.3
psPDmod+ [W/m ²]	64.1
E _{max} [V/m]	191
Power Drift [dB]	-0.02



Measurement Report for 5G Verification Source

Device Under Test Properties

Model, Manufacturer	Dimensions [mm]
5G Verification Source,	100.0 x 100.0 x 105.0

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 - 1065	Air -	EUmmWV3 - SN9424_F1-55GHz, 2024-03-12	DAE4ip Sn1823, 2024-07-15

Scans Setup

Scan Type	5G Scan
Grid Extents [mm]	120.0 x 120.0
Grid Steps [lambda]	0.125 x 0.125
Sensor Surface [mm]	10.0

Measurement Results

Date	2024-11-04
Avg. Area [cm ²]	4.00
psPDn+ [W/m ²]	60.3
psPDtot+ [W/m ²]	61.0
H _{max} [A/m]	0.438
E _{max} [V/m]	158
max _(Stot) [W/m ²]	67.7
Power Drift [dB]	0.03

