Date: 2024-11-23

System Check_Head_6500MHz

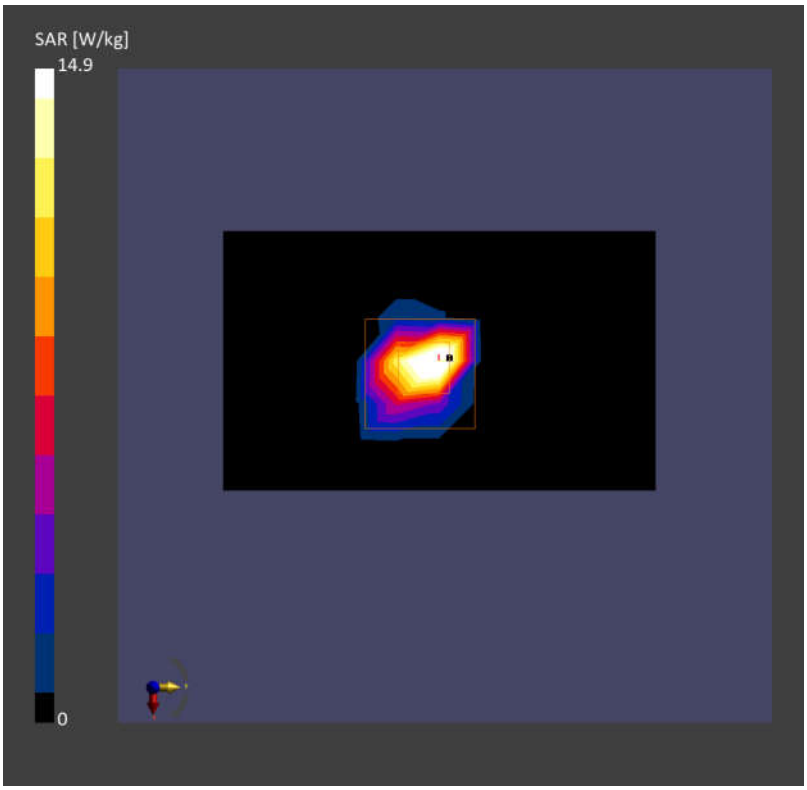
DUT: D6.5GHzV2 - SN1031

Communication System: CW; Frequency: 6500.000 MHz; Duty Cycle: 1:1
Medium: HSL Medium parameters used: f= 6500.000 MHz; σ= 6.15 S/m; ε_r = 34.7
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) = 11.8 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 = 0.01 dB
SAR (1g) = 14.9 W/kg; SAR (10g) = 2.59 W/kg
Smallest distance from peaks to all points 3 dB below = 4.6 mm
Ratio of SAR at M2 to SAR at M1 = 53.5 %
psAPD (4.0cm2, sq) = 63.6 [W/m2]



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

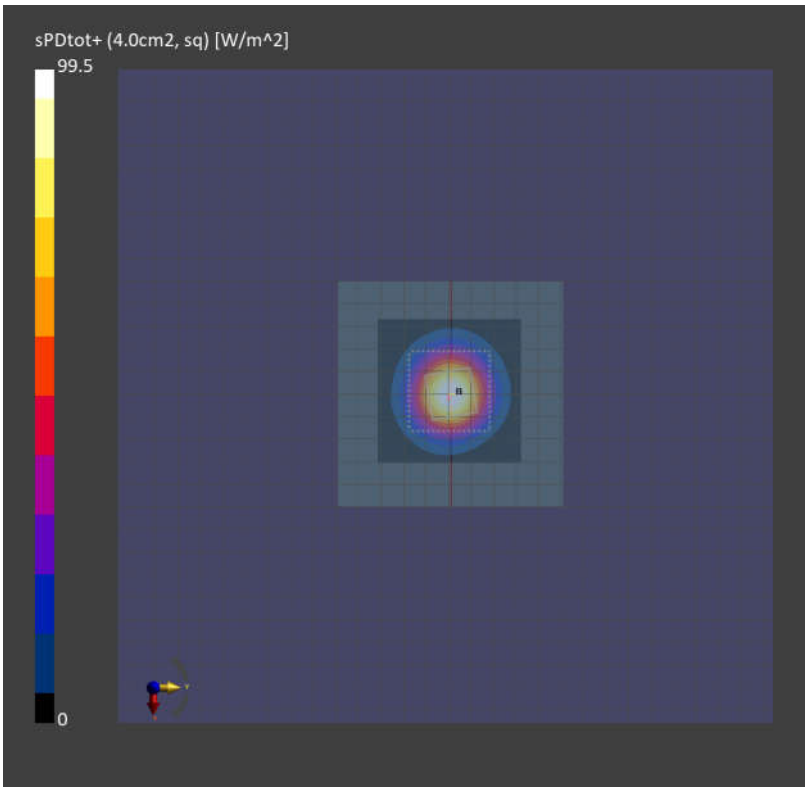
Phantom Section	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor
5G	FRONT, 10.00	Validation band	CW, 0--	10000.0, 10000	1.0

Hardware Setup

Phantom	Medium	Probe, Calibration Date	DAE, Calibration Date
mmWave - 1065	Air -	EUmmWV4 - SN9432_F1-55GHz, 2023-12-13	DAE4 Sn1358, 2024-05-23

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	2024-11-23
Avg. Area [cm^2]	4.00
psPDn+ [W/m^2]	96.1
psPDtot+ [W/m^2]	99.5
psPDmod+ [W/m^2]	99.8
E_{max} [V/m]	236
Power Drift [dB]	-0.01