

System Check_Head_2450MHz

DUT: D2450V2 - SN736

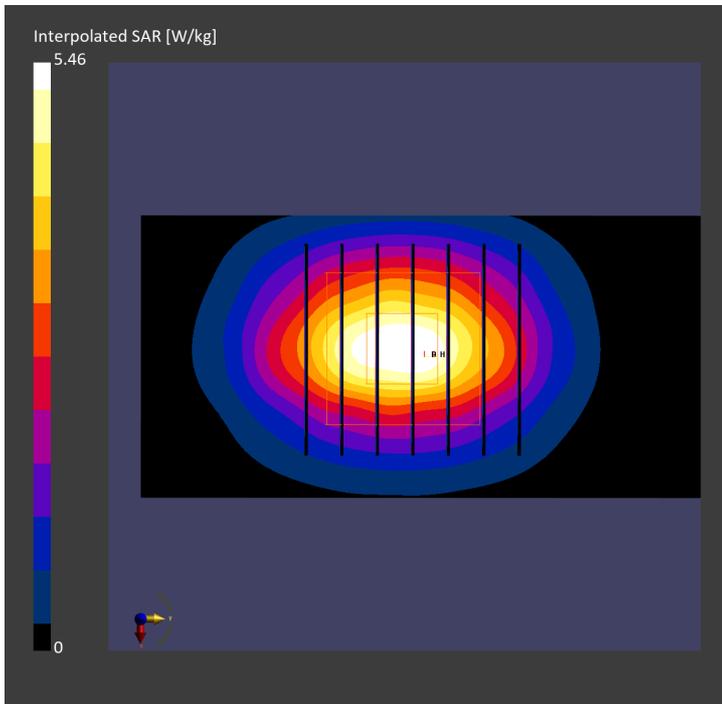
Communication System: CW; Frequency: 2450.000 MHz; Duty Cycle: 1:1
Medium: HSL_2450_250114 Medium parameters used: $f=2450.000$ MHz; $\sigma=1.84$ S/m; $\epsilon_r=38.8$
Ambient Temperature: 23.6°C; Liquid Temperature: 22.6°C

DASY8 Configuration:

- Probe: EX3DV4 - SN7814; ConvF(7.01, 6.71, 6.88); Calibrated: 2024-06-20
- Sensor-Surface: 1.4 mm
- Electronics: DAE4ip Sn1800; Calibrated: 2024-06-18
- Phantom: ELI V8.0 (20deg probe tilt); Serial: 2204; Section: Flat
- Measurement Software: 16.2.4.2524
- UID: CW, 0--

Pin=17.0dBm/Area Scan (40.0 mm x 80.0 mm): Measurement Grid: 10.0 mm x 10.0 mm
SAR (1g) = 2.68 W/kg; SAR (10g) = 1.27 W/kg;

Pin=17.0dBm/Zoom Scan (30.0 mm x 30.0 mm x 30.0 mm): Measurement Grid: 5.0 mm x 5.0 mm x 1.5 mm
Power Drift = -0.01 dB
SAR (1g) = 2.66 W/kg; SAR (8g) = 1.38 W/kg; SAR (10g) = 1.25 W/kg
Smallest distance from peaks to all points 3 dB below = 9.0 mm
Ratio of SAR at M2 to SAR at M1 = 80.3 %



System Check_Head_6.5GHz

DUT: D6.5GHzV2 - SN1003

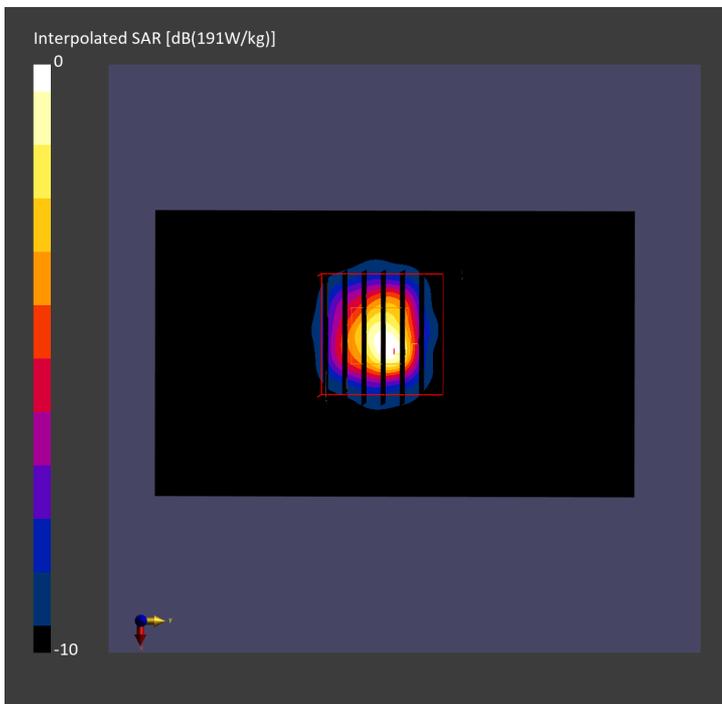
Communication System: CW; Frequency: 6500.000 MHz; Duty Cycle: 1:1
Medium: HSL_6G_250114 Medium parameters used: $f=6500.000$ MHz; $\sigma=6.16$ S/m; $\epsilon_r=34.7$
Ambient Temperature: 23.9°C; Liquid Temperature: 22.9°C

DASY8 Configuration:

- Probe: EX3DV4 - SN7814; ConvF(5.41, 5.18, 5.31); Calibrated: 2024-06-20
- Sensor-Surface: 1.4 mm
- Electronics: DAE4ip Sn1800; Calibrated: 2024-06-18
- Phantom: ELI V8.0 (20deg probe tilt); Serial: 2204; Section: Flat
- Measurement Software: 16.2.4.2524
- UID: CW

Pin=20.0dBm/Area Scan (51.0 mm x 85.0 mm): Measurement Grid: 8.5 mm x 8.5 mm
SAR (1g) = 22.6 W/kg; SAR (10g) = 5.26 W/kg;

Pin=20.0dBm/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) = 29.9 W/kg; SAR (8g) = 6.87 W/kg; SAR (10g) = 5.62 W/kg
Smallest distance from peaks to all points 3 dB below = 4.9 mm
Ratio of SAR at M2 to SAR at M1 = 50.6 %
psAPD (1.0cm², sq) = 299 [W/m²]; psAPD (4.0cm², sq) = 137 [W/m²]



Measurement Report for Device

Device Under Test Properties

Model, Manufacturer	Dimensions [mm]	Software Version	DUT Type
Device,	100.0 x 100.0 x 172.0	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, 2024-10-16	DAE4ip Sn1805, 2024-05-22

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	2025-01-14
Avg. Area [cm ²]	4.00
psPDn+ [W/m ²]	55.6
psPDtot+ [W/m ²]	55.8
H _{max} [A/m]	0.413
E _{max} [V/m]	154
max _(Stot) [W/m ²]	62.8
Power Drift [dB]	-0.15

