



REPORT No .: SZ21080011S01

## Annex C Plots of System Performance Check

## System Check\_2450MHz\_Head

Communication System: UID 0, CW (0); Frequency: 2450 MHz; Duty Cycle: 1:1

Medium: HSL\_2450 Medium parameters used:  $f = 2450$  MHz;  $\sigma = 1.842$  S/m;  $\epsilon_r = 40.255$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.2 °C; Liquid Temperature : 22.4°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7608; ConvF(7.58, 7.58, 7.58) @ 2450 MHz; Calibrated: 2020.11.27
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1643; Calibrated: 2020.11.30
- Phantom: Twin-SAM; Type: QD 000 P41 Ax; Serial: 2020
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

**CW2450/Area Scan (81x101x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 11.6 W/kg

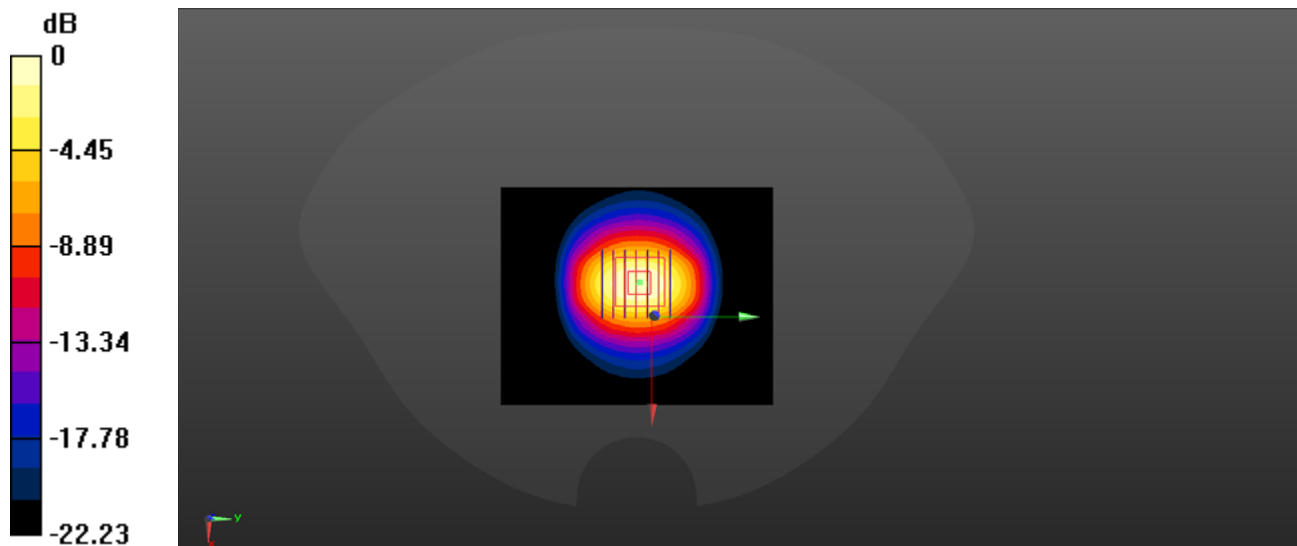
**CW2450/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 79.71 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 20.1 W/kg

**SAR(1 g) = 13.22 W/kg; SAR(10 g) = 6.22 W/kg**

Maximum value of SAR (measured) = 10.8 W/kg



0 dB = 10.8 W/kg

Laboratory Name: Morlab  
 Measurement Report for Device, FRONT, D6.5GHz, CW, Channel 0 (6500.0 MHz)

**Device Under Test Properties**

Model, Manufacturer	Dimensions [mm]	IMEI	DUT Type
Device,	50.0 x 10.0 x 8.0		Dipole

**Exposure Conditions**

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, -	FRONT, 0.0	D5GHz	CW, 0--	6500.0, 0	5.78	6.179	33.612

**Hardware Setup**

Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - xxxx	HBBL-600-10000 Charge:xxxx, 2021-Aug-10	EX3DV4 - SN7608, 2020-11-27	DAE4 Sn1643, 2020-11-30

**Scans Setup**

	Area Scan	Zoom Scan
Grid Extents [mm]	40.0 x 40.0	22.0 x 22.0 x 22.0
Grid Steps [mm]	5.0 x 5.0	3.4 x 3.4 x 1.4
Sensor Surface [mm]	3.0	1.4

**Measurement Results**

	Area Scan	Zoom Scan
Date	2021-08-05, 16:46	2021-08-05, 16:55
psSAR1g [W/Kg]	26.01	26.51
psSAR10g [W/Kg]	5.53	5.67
Power Drift [dB]	0.0	0.02

