

2450 Body Validation

DUT: Dipole 2450 MHz; Type: D2450V2;

Communication System: CW; Frequency: 2450 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 2450$ MHz; $\sigma = 1.47$ mho/m; $\epsilon_r = 51.93$; $\rho = 1000$ kg/

m^3 Phantom section: Flat Section

Measurement Standard: DAS4 (High Precision Assessment)

DASY4 Configuration:

- Probe: ES3DV3 - SN3035; ConvF(4.53, 4.53, 4.53); Calibrated: 9/18/2017
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn493;
- Phantom: SAM with CRP; Type: SAM;
- Measurement SW: DAS4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 145

Area Scan (51x81x1): Measurement grid: $dx=10$ mm, $dy=10$ mm

Maximum value of SAR (interpolated) = 12.7 mW/g

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

Reference Value = 73.9 V/m; Power Drift = 0.042 dB

Peak SAR (extrapolated) = 21.4 W/kg

SAR(1 g) = 10.2 mW/g; SAR(10 g) = 4.73 mW/g

Maximum value of SAR (measured) = 11.8 mW/g

