

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab

Date: 2024/12/13

#01_RFID_ASK_Bottom Side_0mm

Communication System: RFID; Frequency: 902.75 MHz

Medium: HSL_900_241213 Medium parameters used: $f = 903$ MHz; $\sigma = 0.951$ S/m; $\epsilon_r = 41.925$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.1 °C; Liquid Temperature : 22.1 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3642; ConvF(8.71, 7.45, 9.99) @ 902.75 MHz; Calibrated: 2024/4/25
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1512; Calibrated: 2024/3/14
- Phantom: ELI V4.0_Right; Type: QD OVA 001 BB; Serial: TP:1025
- Measurement SW: DASY52, Version 52.10 (4);SEMCAD X Version 14.6.14 (7501)

Area Scan (81x101x1): Interpolated grid: $dx=1.500$ mm, $dy=1.500$ mm

Maximum value of SAR (interpolated) = 1.65 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 37.21 V/m; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 1.73 W/kg

SAR(1 g) = 1.21 W/kg; SAR(10 g) = 0.829 W/kg

Smallest distance from peaks to all points 3 dB below = 24.4 mm

Ratio of SAR at M2 to SAR at M1 = 68.2%

Maximum value of SAR (measured) = 1.55 W/kg

