

RFID 900M

DUT: MOD290

Communication System: RFID ; Frequency: 915 MHz;Duty Cycle: 1:1
Medium: HSL900 Medium parameters used: $f = 915\text{ MHz}$; $\sigma = 0.96\text{ S/m}$; $\epsilon_r = 40.55$; $\rho = 1000\text{ kg/m}^3$
Ambient Temperature : $22.9\text{ }^{\circ}\text{C}$; Liquid Temperature : $22.7\text{ }^{\circ}\text{C}$

- DASY5 Configuration:
- Probe: EX3DV4 - SN3970; Calibrated: 2025/6/5;
 - Electronics: DAE4 Sn1418; Calibrated: 2025/6/5
 - Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:1231
 - Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

Left/Area Scan (7x8x1): Measurement grid: $dx=10\text{mm}$, $dy=10\text{mm}$

Maximum value of SAR (measured) = 0.900 W/kg

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

Reference Value = 23.930 V/m ; Power Drift = -0.12 dB
Peak SAR (extrapolated) = 0.0270 W/kg
SAR(1 g) = 0.500 W/kg ; SAR(10 g) = 0.397 W/kg
Smallest distance from peaks to all points 3 dB below = 8.3 mm
Ratio of SAR at M2 to SAR at M1 = 44.8%
Maximum value of SAR (measured) = 0.930 W/kg

