

### #01\_RFID\_Front\_16.4mm\_902.75MHz

Communication System: RFID; Frequency: 902.75 MHz; Duty Cycle: 1:1

Medium: HSL\_900\_220725 Medium parameters used:  $f = 903 \text{ MHz}$ ;  $\sigma = 0.955 \text{ S/m}$ ;  $\epsilon_r = 42.511$ ;  $\rho = 1000 \text{ kg/m}^3$

Ambient Temperature :  $23.5 \text{ }^\circ\text{C}$ ; Liquid Temperature :  $22.5 \text{ }^\circ\text{C}$

#### DASY5 Configuration:

- Probe: EX3DV4 - SN7628; ConvF(9.68, 9.68, 9.68) @ 902.75 MHz; Calibrated: 2022/6/22
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1311; Calibrated: 2021/8/20
- Phantom: Twin-SAM V5.0 (30deg probe tilt)\_Right; Type: QD 000 P40 CD; Serial: TP-1479
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

**Area Scan (81x91x1):** Interpolated grid:  $dx=1.500 \text{ mm}$ ,  $dy=1.500 \text{ mm}$

Maximum value of SAR (interpolated) =  $6.30 \text{ W/kg}$

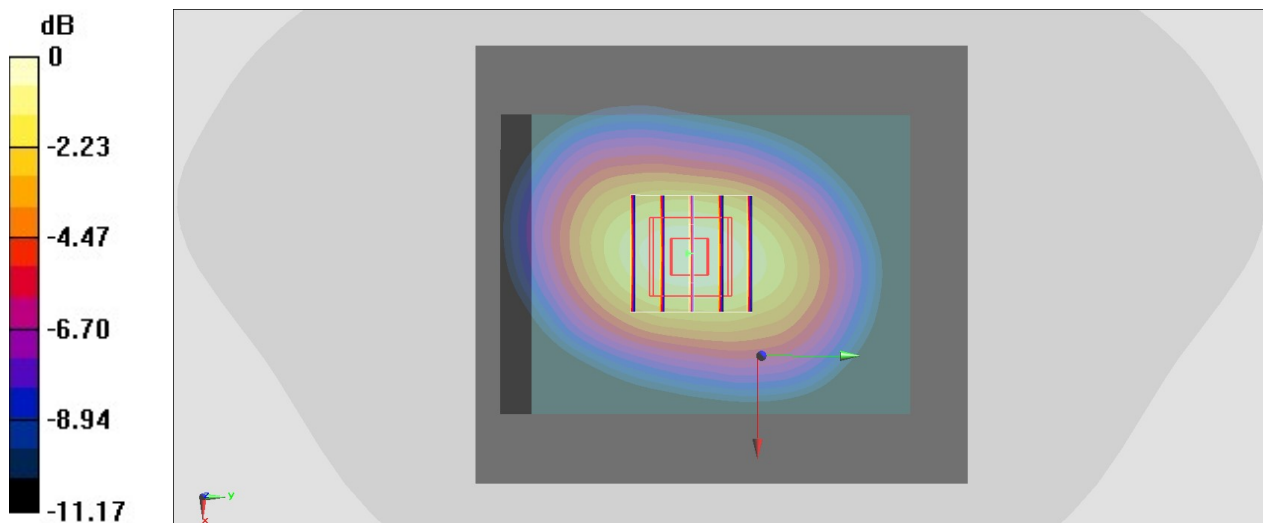
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$

Reference Value =  $69.33 \text{ V/m}$ ; Power Drift =  $0.01 \text{ dB}$

Peak SAR (extrapolated) =  $7.03 \text{ W/kg}$

**SAR(1 g) =  $4.78 \text{ W/kg}$ ; SAR(10 g) =  $3.15 \text{ W/kg}$**

Maximum value of SAR (measured) =  $6.28 \text{ W/kg}$



0 dB =  $6.28 \text{ W/kg} = 7.98 \text{ dBW/kg}$