

## UHL-ISM

### DUT: Wireless;

Communication System: UID 0, UHF (0); Frequency: 903.24 MHz; Duty Cycle: 1:1  
Medium parameters used (interpolated):  $f = 903.24$  MHz;  $\sigma = 0.956$  S/m;  $\epsilon_r = 42.909$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Ambient Temperature : 22.5 °C; Liquid Temperature : 21.5°C

### DASY Configuration:

- Probe: EX3DV4 - SN3887; ConvF(9.08, 9.08, 9.08) @ 903.24 MHz; Calibrated: 2019/9/20
- Sensor-Surface: 1.4mm (Mechanical Surface Detection),  $z = 1.0, 31.0$
- Electronics: DAE3 Sn393; Calibrated: 2020/4/30
- Phantom: ELI V5.0 (20deg probe tilt); Type: QD OVA 002 AA; Serial: 1240
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

**Bottom/Bottom/UHF/Main Ant/Ch902.5/Area Scan (5x6x1):** Measurement grid:  $dx=15$ mm,  $dy=15$ mm  
[Info: Interpolated medium parameters used for SAR evaluation.](#)  
Maximum value of SAR (measured) = 0.0808 W/kg

**Bottom/Bottom/UHF/Main Ant/Ch902.5/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=7.5$ mm,  $dy=7.5$ mm,  $dz=5$ mm  
Reference Value = 7.423 V/m; Power Drift = -0.37 dB  
Peak SAR (extrapolated) = 0.438 W/kg  
**SAR(1 g) = 0.108 W/kg; SAR(10 g) = 0.038 W/kg**  
Smallest distance from peaks to all points 3 dB below = 5.4 mm  
Ratio of SAR at M2 to SAR at M1 = 26.3%  
[Info: Interpolated medium parameters used for SAR evaluation.](#)  
Maximum value of SAR (measured) = 0.259 W/kg

