

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

Date: 2024/10/29

01_NFC_ASK_Back_0mm

Communication System: UID 0, NRF (0); Frequency: 13.56 MHz; Duty Cycle: 1:1

Medium: HSL_13 Medium parameters used: $f = 14$ MHz; $\sigma = 0.753$ S/m; $\epsilon_r = 54.139$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.6 °C; Liquid Temperature : 22.4 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN7641; ConvF(17.87, 19.97, 18.31); Calibrated: 2024/6/3
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn715; Calibrated: 2024/1/25
- Phantom: ELI V8.0 (Left); Type: QD OVA 004 AA; Serial: 2131
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Area Scan (71x131x1): Interpolated grid: $dx=1.500$ mm, $dy=1.500$ mm

Maximum value of SAR (interpolated) = 0.0707 W/kg

Zoom Scan (6x6x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 0 V/m; Power Drift = 0.12 dB

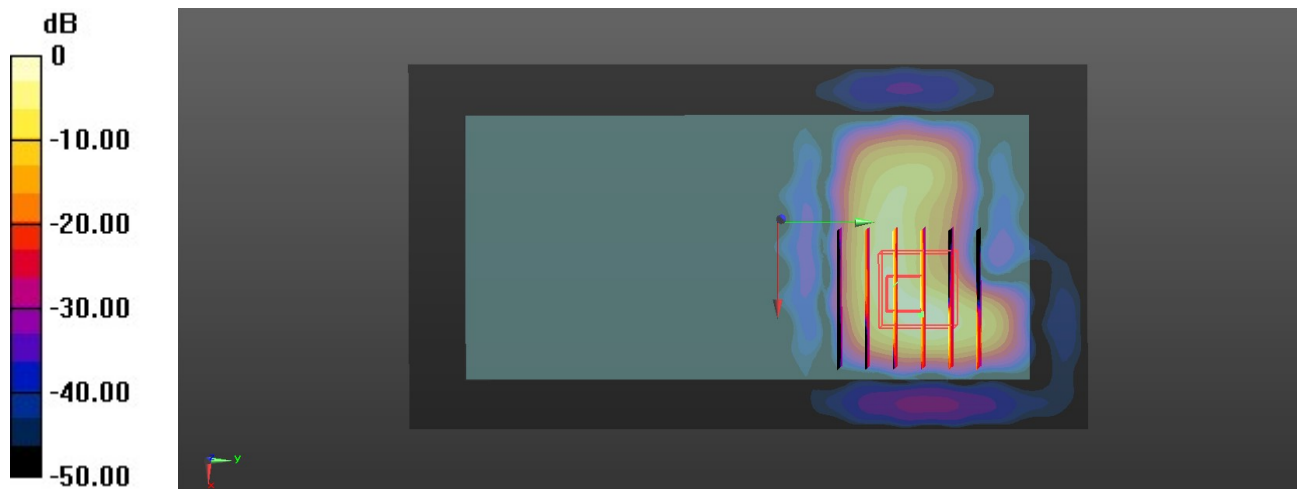
Peak SAR (extrapolated) = 0.222 W/kg

SAR(1 g) = 0.035 W/kg; SAR(10 g) = 0.00898 W/kg

Smallest distance from peaks to all points 3 dB below = 3.2 mm

Ratio of SAR at M2 to SAR at M1 = 19.4%

Maximum value of SAR (measured) = 0.0867 W/kg



0 dB = 0.0867 W/kg = -10.62 dBW/kg