

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

Date: 2025/5/6

01_NFC_ASK_13.56M_Back_0mm

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

Medium: HSL_13 Medium parameters used: $f = 14 \text{ MHz}$; $\sigma = 0.757 \text{ S/m}$; $\epsilon_r = 55.913$; $\rho = 1000 \text{ kg/m}^3$

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3819; ConvF(16.39, 13.97, 15.19); Calibrated: 2024/8/22
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1386; Calibrated: 2024/8/30
- Phantom: ELI V5.0; Type: QD OVA 002 AA; Serial: TP:1233
- Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

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

Maximum value of SAR (interpolated) = 0.236 W/kg

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

Reference Value = 0 V/m; Power Drift = 0.02 dB

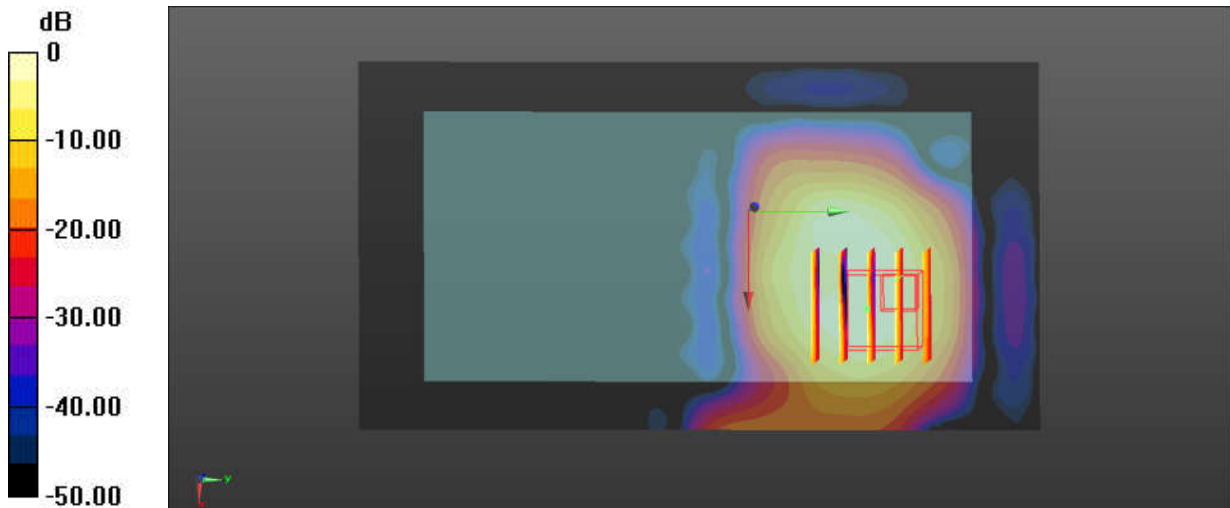
Peak SAR (extrapolated) = 0.316 W/kg

SAR(1 g) = 0.068 W/kg; SAR(10 g) = 0.026 W/kg

Smallest distance from peaks to all points 3 dB below = 8.8 mm

Ratio of SAR at M2 to SAR at M1 = 41.5%

Maximum value of SAR (measured) = 0.185 W/kg



0 dB = 0.185 W/kg = -7.33 dBW/kg