

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

Date: 2025/3/25

#01_NFC_ASK_Front_0mm

Communication System: UID 0, RFID; Frequency: 13.56 MHz

Medium: HSL_13_250325 Medium parameters used: $f = 14$ MHz; $\sigma = 0.757$ S/m; $\epsilon_r = 53.46$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.5 °C ; Liquid Temperature : 22.5 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3931; ConvF(16.65, 15.49, 16.14) @ 13.56 MHz; Calibrated: 2024/11/19
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1794; Calibrated: 2025/2/12
- Phantom: ELI V4.0; Type: QD OVA 001 Bx; Serial: 1164
- Measurement SW: DASY52, Version 52.10 (4);SEMCAD X Version 14.6.14 (7501)

Area Scan (101x101x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.612 W/kg

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

Reference Value = 28.21 V/m; Power Drift = -0.03 dB

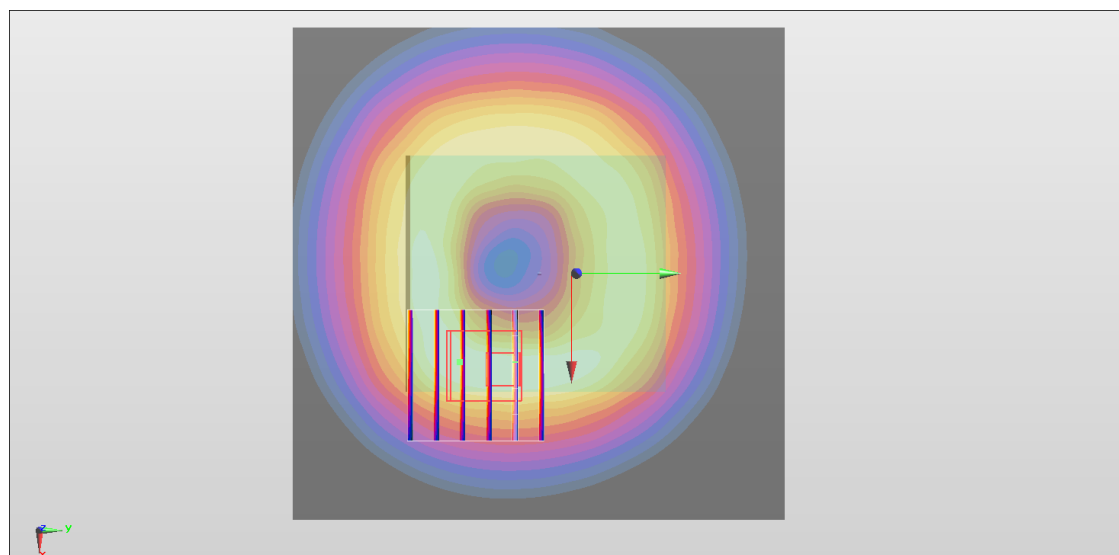
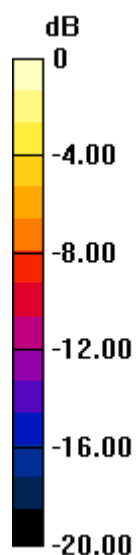
Peak SAR (extrapolated) = 0.860 W/kg

SAR(1 g) = 0.334 W/kg; SAR(10 g) = 0.163 W/kg

Smallest distance from peaks to all points 3 dB below = 8.1 mm

Ratio of SAR at M2 to SAR at M1 = 38.6%

Maximum value of SAR (measured) = 0.605 W/kg



0 dB = 0.605 W/kg = -2.18 dBW/kg