

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

Date: 2025/6/15

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; $\sigma = 0.756$ S/m; $\epsilon_r = 55.955$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.4 °C; Liquid Temperature : 22.6 °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 Sn1664; Calibrated: 2024/7/10
- Phantom: ELI v5.0(Right); Type: QDOVA001BB; Serial: 1225
- Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

Area Scan (81x141x1): Interpolated grid: $dx=1.500$ mm, $dy=1.500$ mm

Maximum value of SAR (interpolated) = 0.00457 W/kg

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

Reference Value = 0.5010 V/m; Power Drift = 0.08 dB

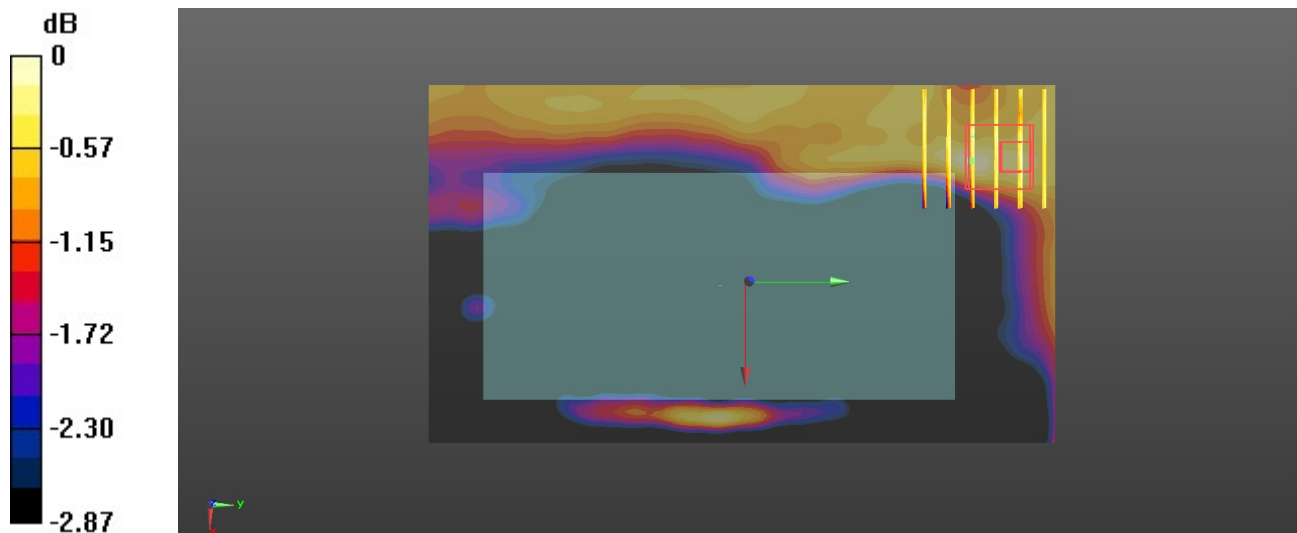
Peak SAR (extrapolated) = 0.00464 W/kg

SAR(1 g) = 0.00448 W/kg; SAR(10 g) = 0.00432 W/kg

Smallest distance from peaks to all points 3 dB below = 13.8 mm

Ratio of SAR at M2 to SAR at M1 = 96.2%

Maximum value of SAR (measured) = 0.00464 W/kg



0 dB = 0.00464 W/kg = -23.33 dBW/kg