



SGS-CSTC Standards Technical Services (Suzhou) Co., Ltd

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Appendix B

Detailed Test Results

1. NFC
NFC SAR result for Extremity

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Test Laboratory: SGS-SAR Lab

## X800 NFC 13.56MHz Back side 0mm 3810

**DUT: X800; Type: Mobile Phone; Serial: 016582000000355**

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

Medium: HSL13; Medium parameters used:  $f = 14$  MHz;  $\sigma = 0.745$  S/m;  $\epsilon_r = 51.217$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN7735; ConvF(13.44, 13.44, 13.44); Calibrated: 2023/12/19
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1245; Calibrated: 2024/06/05
- Phantom: SAM 3; Type: ELI5; Serial: TP:1143
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

**Configuration/Extremity/Area Scan (9x14x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.0447 W/kg

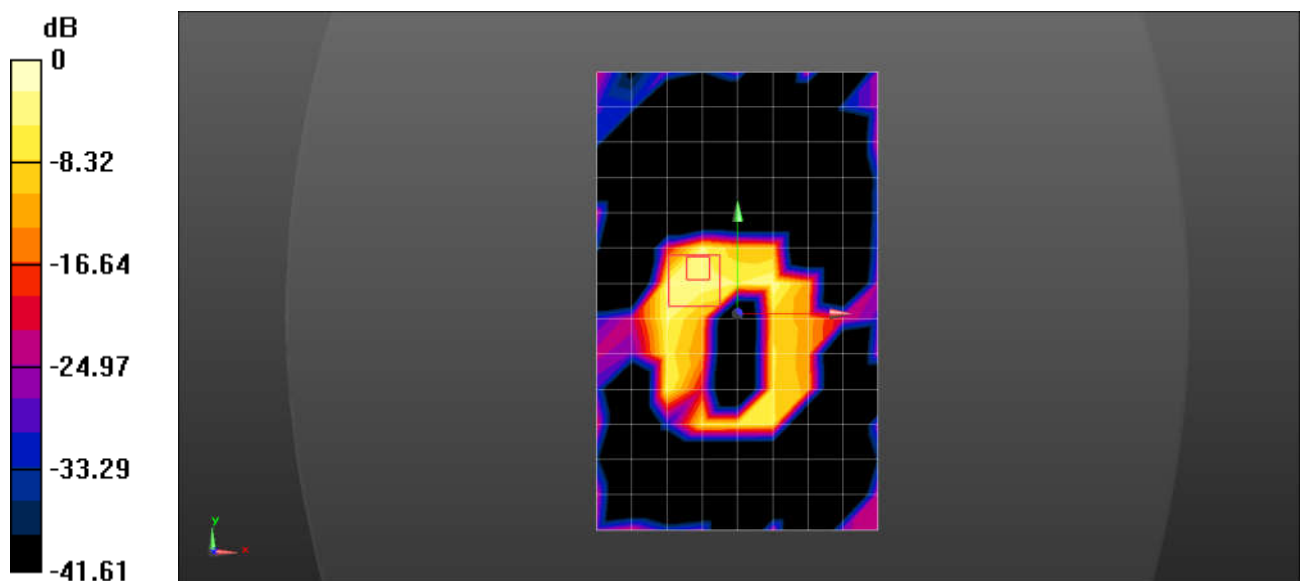
**Configuration/Extremity/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 0.5325 V/m; Power Drift = -0.08 dB

Peak SAR (extrapolated) = 0.339 W/kg

**SAR(1 g) = 0.042 W/kg; SAR(10 g) = 0.009 W/kg**

Maximum value of SAR (measured) = 0.0914 W/kg



0 dB = 0.0914 W/kg = -10.39 dBW/kg