



Appendix B

Detailed Test Results

1. NFC
NFC SAR result for Body

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Test Laboratory: SGS-SAR Lab

RMX5051 NFC 13.56MHz Back side 0mm

DUT: RMX5051; Type: Mobile Phone; Serial: 864347070019799

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; $\epsilon_r = 51.011$; $\rho = 1000$ kg/m³
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/Body/Area Scan (9x14x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.0326 W/kg

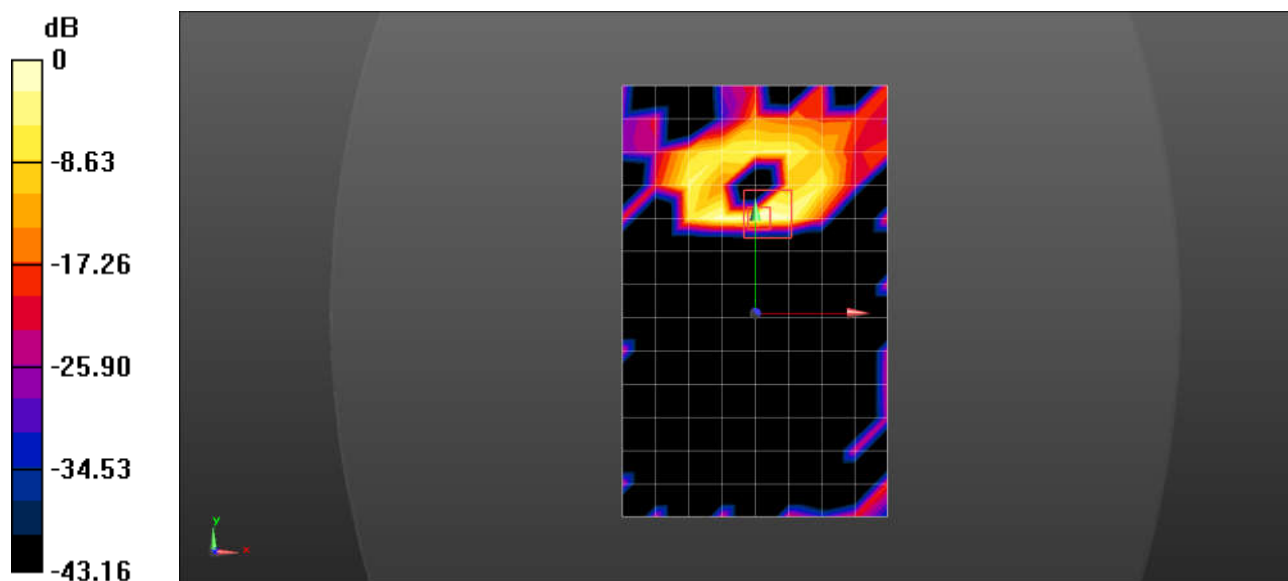
Configuration/Body/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 0 V/m; Power Drift = 0.09 dB

Peak SAR (extrapolated) = 0.124 W/kg

SAR(1 g) = 0.011 W/kg; SAR(10 g) = 0.002 W/kg

Maximum value of SAR (measured) = 0.0324 W/kg



0 dB = 0.0324 W/kg = -14.89 dBW/kg