
APPENDIX B - SAR PLOTS FULL DATA

Test Plot 1#: RFID Mid Limb Front**DUT: Handheld RFID Terminal; Type: iData Q3000; Serial: 3CJ8-1**

Communication System: UID 0, RFID (0); Frequency: 914.75 MHz; Duty Cycle: 1:1.304

Medium parameters used: $f = 914.75$ MHz; $\sigma = 1.001$ S/m; $\epsilon_r = 42.39$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7329; ConvF(9.76, 9.76, 9.76) @ 914.75 MHz; Calibrated: 2025/5/26
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn772; Calibrated: 2025/2/17
- Phantom: Twin SAM V5.0; Type: QD000P40CC; Serial: TP:1097
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

Limb Front/RFID Mid/Area Scan (9x11x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.331 W/kg

Limb Front/RFID Mid/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 12.79 V/m; Power Drift = -0.18 dB

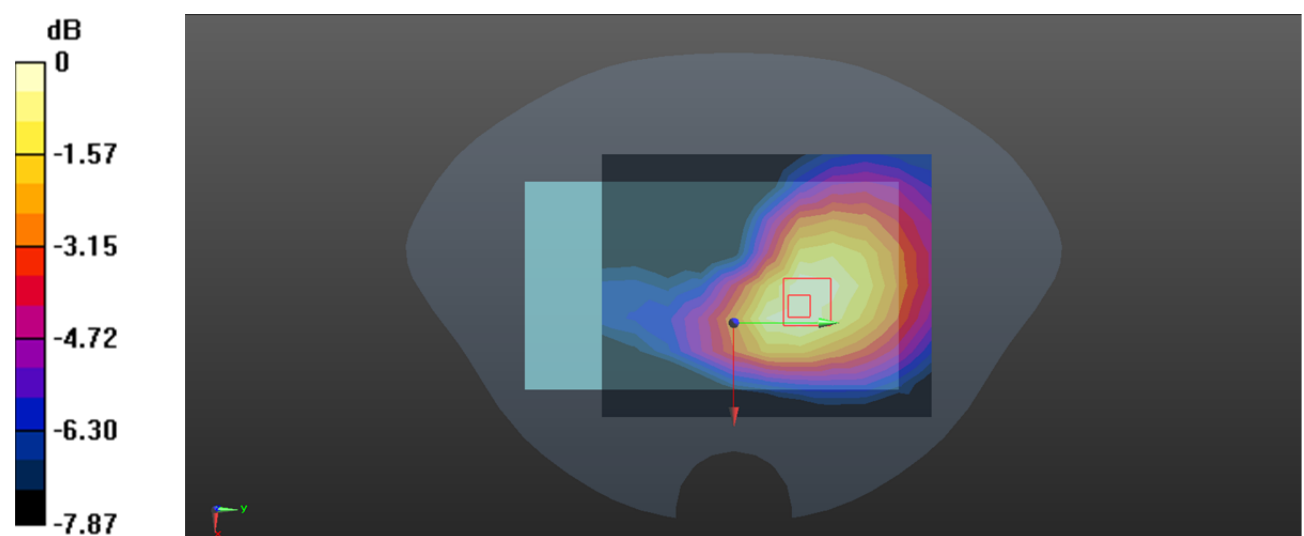
Peak SAR (extrapolated) = 0.405 W/kg

SAR(1 g) = 0.292 W/kg; SAR(10 g) = 0.208 W/kg

Smallest distance from peaks to all points 3 dB below = 20.9 mm

Ratio of SAR at M2 to SAR at M1 = 72.3%

Maximum value of SAR (measured) = 0.330 W/kg



0 dB = 0.330 W/kg = -4.81 dBW/kg

Test Plot 2#: RFID Mid Limb Back**DUT: Handheld RFID Terminal; Type: iData Q3000; Serial: 3CJ8-1**

Communication System: UID 0, RFID (0); Frequency: 914.75 MHz; Duty Cycle: 1:1.304

Medium parameters used: $f = 914.75$ MHz; $\sigma = 1.001$ S/m; $\epsilon_r = 42.39$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7329; ConvF(9.76, 9.76, 9.76) @ 914.75 MHz; Calibrated: 2025/5/26
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn772; Calibrated: 2025/2/17
- Phantom: Twin SAM V5.0; Type: QD000P40CC; Serial: TP:1097
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

Limb Back/RFID Mid/Area Scan (8x10x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 1.70 W/kg

Limb Back/RFID Mid/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 13.48 V/m; Power Drift = -0.02 dB

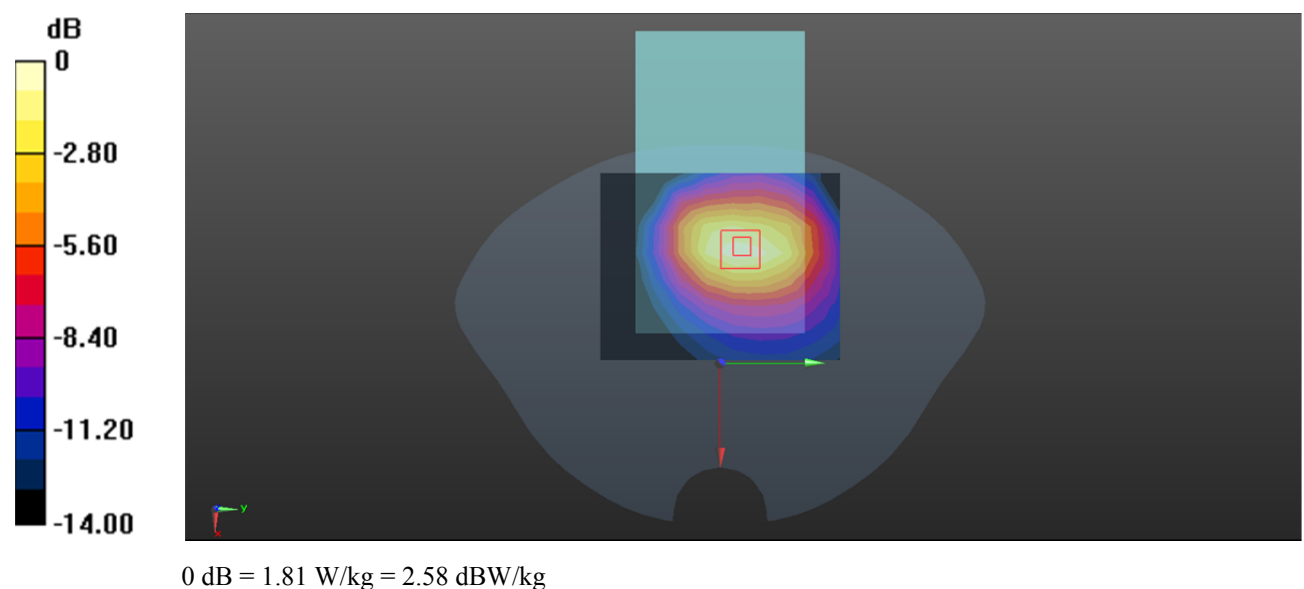
Peak SAR (extrapolated) = 2.25 W/kg

SAR(1 g) = 1.58 W/kg; SAR(10 g) = 1.03 W/kg

Smallest distance from peaks to all points 3 dB below = 13.2 mm

Ratio of SAR at M2 to SAR at M1 = 72%

Maximum value of SAR (measured) = 1.81 W/kg



Test Plot 3#: RFID Mid Limb Left**DUT: Handheld RFID Terminal; Type: iData Q3000; Serial: 3CJ8-1**

Communication System: UID 0, RFID (0); Frequency: 914.75 MHz; Duty Cycle: 1:1.304

Medium parameters used: $f = 914.75$ MHz; $\sigma = 1.001$ S/m; $\epsilon_r = 42.39$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7329; ConvF(9.76, 9.76, 9.76) @ 914.75 MHz; Calibrated: 2025/5/26
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn772; Calibrated: 2025/2/17
- Phantom: Twin SAM V5.0; Type: QD000P40CC; Serial: TP:1097
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

Limb Left/RFID Mid/Area Scan (10x11x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.787 W/kg

Limb Left/RFID Mid/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 13.89 V/m; Power Drift = 0.05 dB

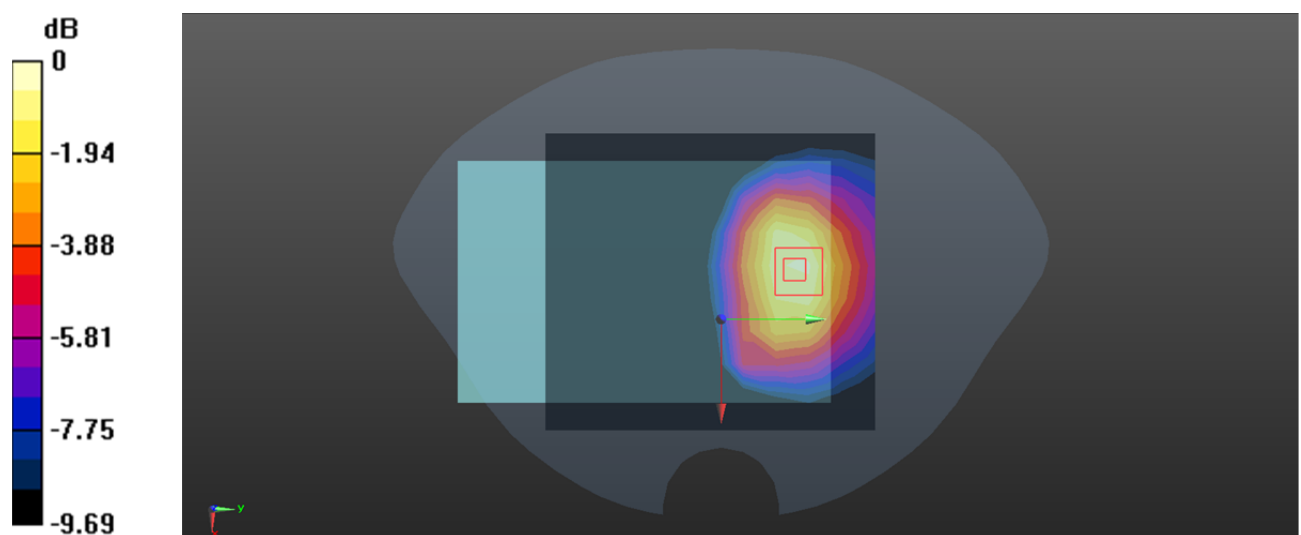
Peak SAR (extrapolated) = 1.09 W/kg

SAR(1 g) = 0.765 W/kg; SAR(10 g) = 0.516 W/kg

Smallest distance from peaks to all points 3 dB below = 16.7 mm

Ratio of SAR at M2 to SAR at M1 = 69.5%

Maximum value of SAR (measured) = 0.888 W/kg



0 dB = 0.888 W/kg = -0.52 dBW/kg

Test Plot 4#: RFID Mid Limb Right**DUT: Handheld RFID Terminal; Type: iData Q3000; Serial: 3CJ8-1**

Communication System: UID 0, RFID (0); Frequency: 914.75 MHz; Duty Cycle: 1:1.304

Medium parameters used: $f = 914.75$ MHz; $\sigma = 1.001$ S/m; $\epsilon_r = 42.39$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7329; ConvF(9.76, 9.76, 9.76) @ 914.75 MHz; Calibrated: 2025/5/26
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn772; Calibrated: 2025/2/17
- Phantom: Twin SAM V5.0; Type: QD000P40CC; Serial: TP:1097
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

Limb Right/RFID Mid/Area Scan (10x11x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.790 W/kg

Limb Right/RFID Mid/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 12.06 V/m; Power Drift = -0.13 dB

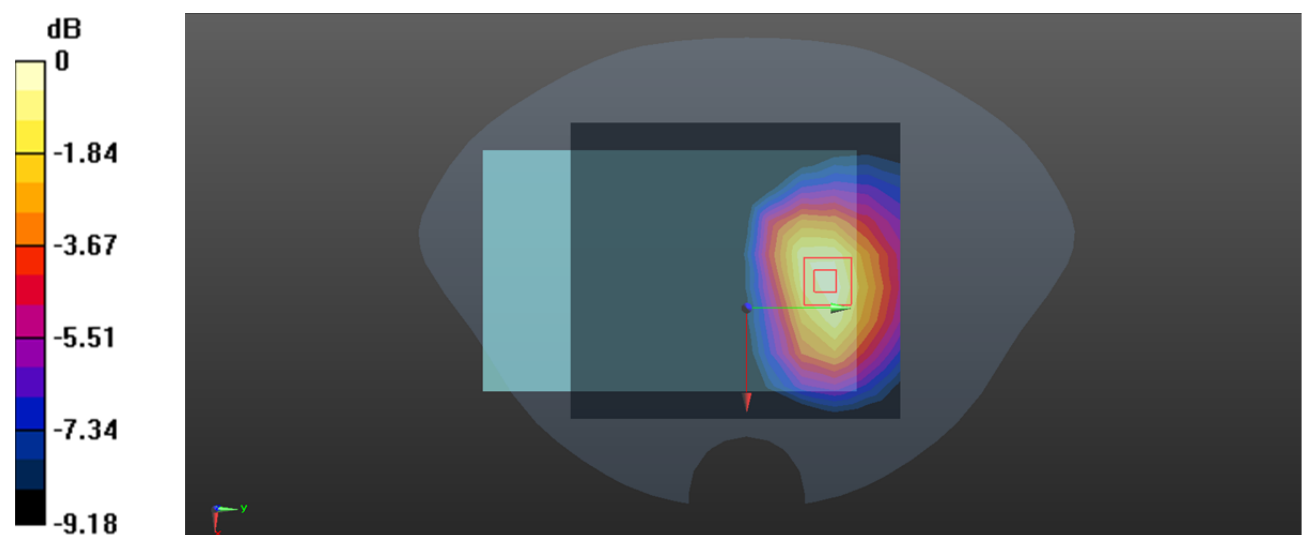
Peak SAR (extrapolated) = 1.04 W/kg

SAR(1 g) = 0.728 W/kg; SAR(10 g) = 0.491 W/kg

Smallest distance from peaks to all points 3 dB below = 17.2 mm

Ratio of SAR at M2 to SAR at M1 = 70.4%

Maximum value of SAR (measured) = 0.826 W/kg



0 dB = 0.826 W/kg = -0.83 dBW/kg

Test Plot 5#: RFID Mid Limb Top**DUT: Handheld RFID Terminal; Type: iData Q3000; Serial: 3CJ8-1**

Communication System: UID 0, RFID (0); Frequency: 914.75 MHz; Duty Cycle: 1:1.304

Medium parameters used: $f = 914.75$ MHz; $\sigma = 1.001$ S/m; $\epsilon_r = 42.39$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7329; ConvF(9.76, 9.76, 9.76) @ 914.75 MHz; Calibrated: 2025/5/26
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn772; Calibrated: 2025/2/17
- Phantom: Twin SAM V5.0; Type: QD000P40CC; Serial: TP:1097
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

Limb Top/RFID Mid/Area Scan (10x10x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.654 W/kg

Limb Top/RFID Mid/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 15.46 V/m; Power Drift = -0.09 dB

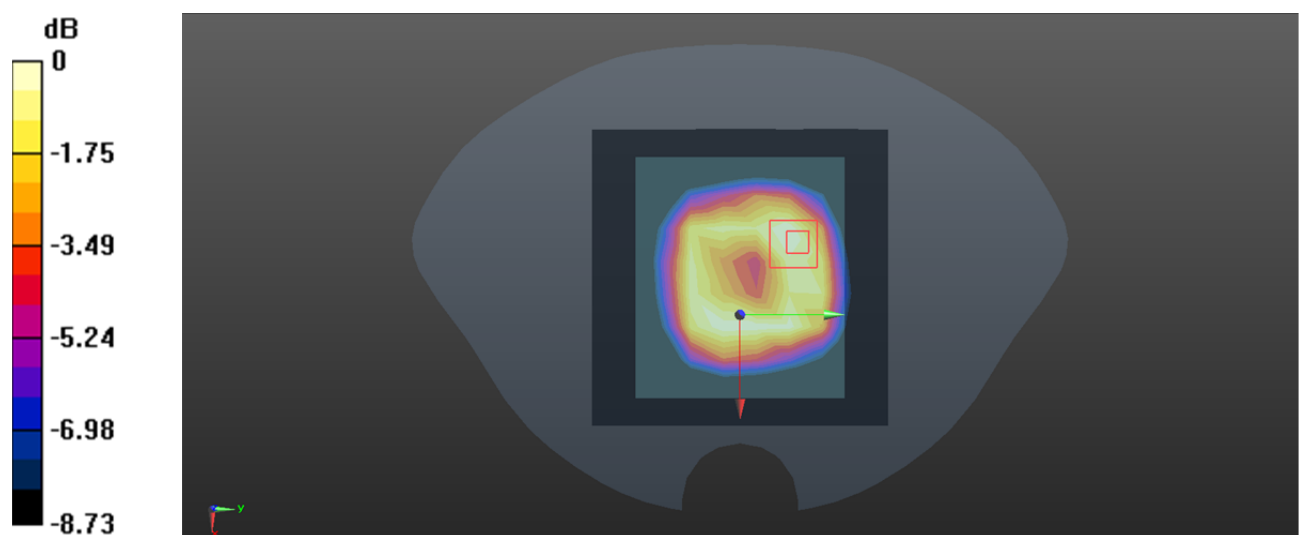
Peak SAR (extrapolated) = 0.910 W/kg

SAR(1 g) = 0.558 W/kg; SAR(10 g) = 0.348 W/kg

Smallest distance from peaks to all points 3 dB below = 11.5 mm

Ratio of SAR at M2 to SAR at M1 = 62.4%

Maximum value of SAR (measured) = 0.657 W/kg



0 dB = 0.657 W/kg = -1.82 dBW/kg

Test Plot 6#: RFID Mid Limb Back**DUT: Handheld RFID Terminal; Type: iData Q3000; Serial: 3CJ8-1**

Communication System: UID 0, RFID (0); Frequency: 914.75 MHz; Duty Cycle: 1:1.304

Medium parameters used: $f = 914.75$ MHz; $\sigma = 1.001$ S/m; $\epsilon_r = 42.39$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7329; ConvF(9.76, 9.76, 9.76) @ 914.75 MHz; Calibrated: 2025/5/26
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn772; Calibrated: 2025/2/17
- Phantom: Twin SAM V5.0; Type: QD000P40CC; Serial: TP:1097
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

Limb Back/RFID Mid/Area Scan (8x10x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 1.56 W/kg

Limb Back/RFID Mid/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 12.61 V/m; Power Drift = -0.10 dB

Peak SAR (extrapolated) = 2.08 W/kg

SAR(1 g) = 1.46 W/kg; SAR(10 g) = 0.964 W/kg

Smallest distance from peaks to all points 3 dB below = 15.2 mm

Ratio of SAR at M2 to SAR at M1 = 71.5%

Maximum value of SAR (measured) = 1.68 W/kg

