

SAR Plots

- Verification Plots
- SAR Test Plots

Dt&C Co., Ltd.

DUT: Dipole 2450 MHz; Type: D2450V2; Serial: D2450V2 - SN:726

Communication System: UID 0, CW (0); Frequency: 2450 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 2450$ MHz; $\sigma = 1.81$ S/m; $\epsilon_r = 39.178$; $\rho = 1000$ kg/m³
Phantom section: Flat Section

DASY5 Configuration:

Probe: EX3DV4 - SN3933; ConvF(7.37, 6.87, 6.64); Calibrated: 9/22/2025 Electronics: DAE4 Sn1485
Sensor-Surface: 2mm (Mechanical Surface Detection)
Phantom: Twin-SAM V5.0; Type: QD 000 P40 CD; Serial: 1783
Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

Test Date: 2025-10-29; Ambient Temp: 21.7; Tissue Temp: 21.6

2 450 MHz System Verification (100 mW)

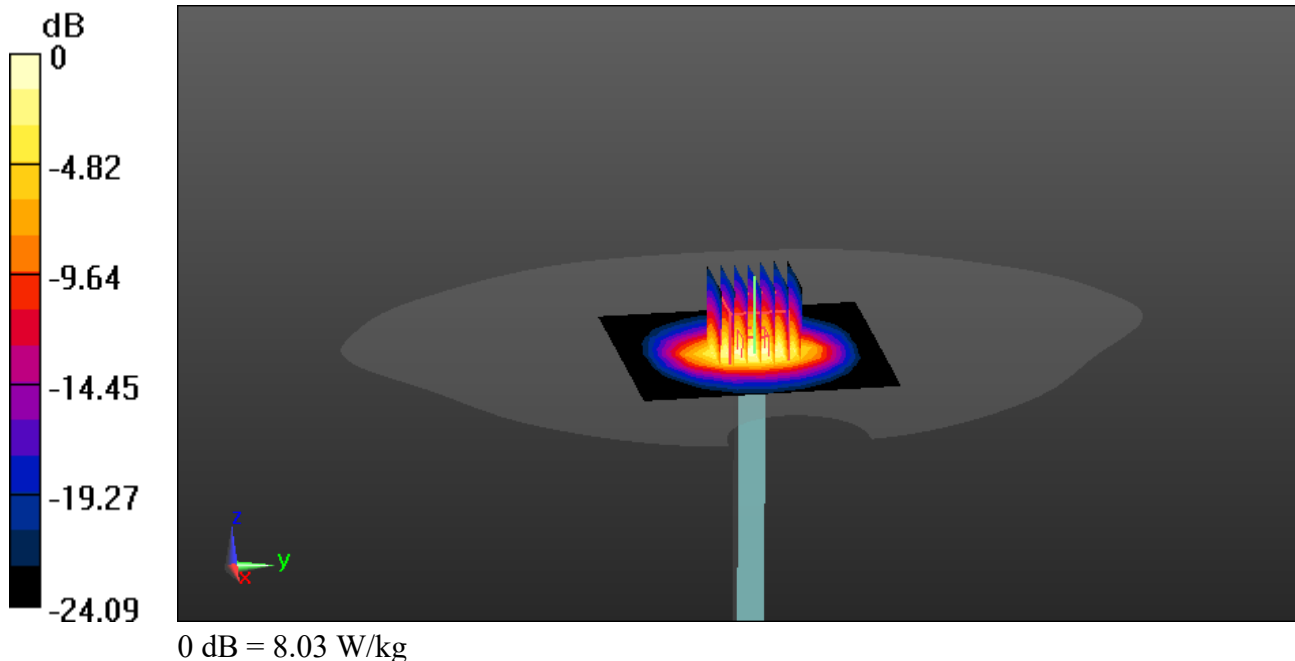
Area Scan (9x9x1): Measurement grid: dx=12mm, dy=12mm

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Power Drift = -0.06 dB

Peak SAR (extrapolated) = 10.72 W/kg

SAR(1 g) = 5.16 W/kg; SAR(10 g) = 2.35 W/kg



Dt&C Co., Ltd.

DUT: CLA-13; Type: CLA-13; Serial: 1030

Communication System: UID 0, CW (0); Frequency: 13 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 13 \text{ MHz}$; $\sigma = 0.774 \text{ S/m}$; $\epsilon_r = 55.223$; $\rho = 1000 \text{ kg/m}^3$
Phantom section: Flat Section

DASY5 Configuration:

Probe: EX3DV4 - SN3916; ConvF(17.96, 17.01, 17.7); Calibrated: 3/19/2025 Electronics: DAE4 Sn1485
Sensor-Surface: 1.4mm (Mechanical Surface Detection)
Phantom: ELI V6.0; Type: QDOVA003AA; Serial: 2008
Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

Test Date: 2025-10-24; Ambient Temp: 21.4; Tissue Temp: 21.3

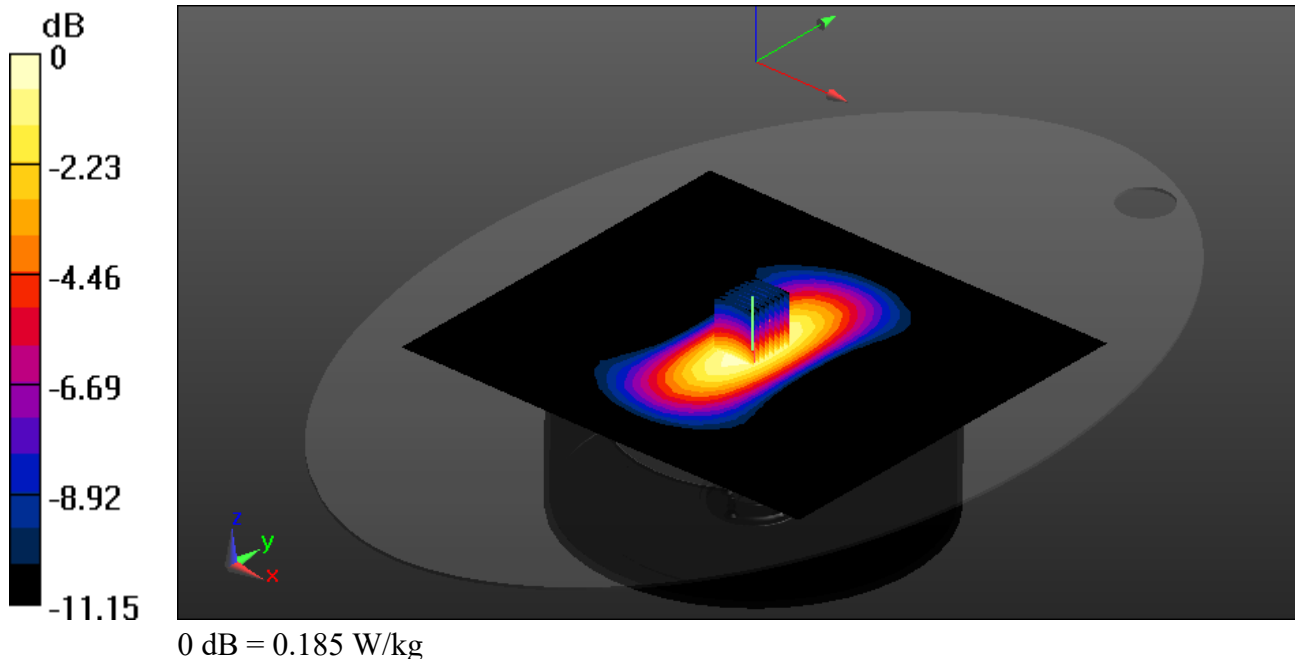
13 MHz System Verification (250 mW)

Area Scan (29x26x1): Measurement grid: $dx=10\text{mm}$, $dy=10\text{mm}$

Zoom Scan (8x8x8)/Cube 0: Measurement grid: $dx=4\text{mm}$, $dy=4\text{mm}$, $dz=1.4\text{mm}$, Graded Ratio: 1.4
Power Drift = -0.03 dB

Peak SAR (extrapolated) = 0.297 W/kg

SAR(1 g) = 0.124 W/kg; SAR(10 g) = 0.078 W/kg



Dt&C Co., Ltd.

DUT: RCPORT-PLC300A; Type: USB Dongle

Communication System: UID 0, 1. 2.4GHz WLAN (0); Frequency: 2462 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 2462 \text{ MHz}$; $\sigma = 1.82 \text{ S/m}$; $\epsilon_r = 39.178$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY5 Configuration:

Probe: EX3DV4 - SN3933; ConvF(7.37, 6.87, 6.64); Calibrated: 9/22/2025 Electronics: DAE4 Sn1485

Sensor-Surface: 2mm (Mechanical Surface Detection)

Phantom: Twin-SAM V5.0; Type: QD 000 P40 CD; Serial: 1783

Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

Test Date: 2025-10-29; Ambient Temp: 21.7; Tissue Temp: 21.6

0.5 cm space from Body, Front, WLAN(802.11b) Ch. 11, Ant Internal

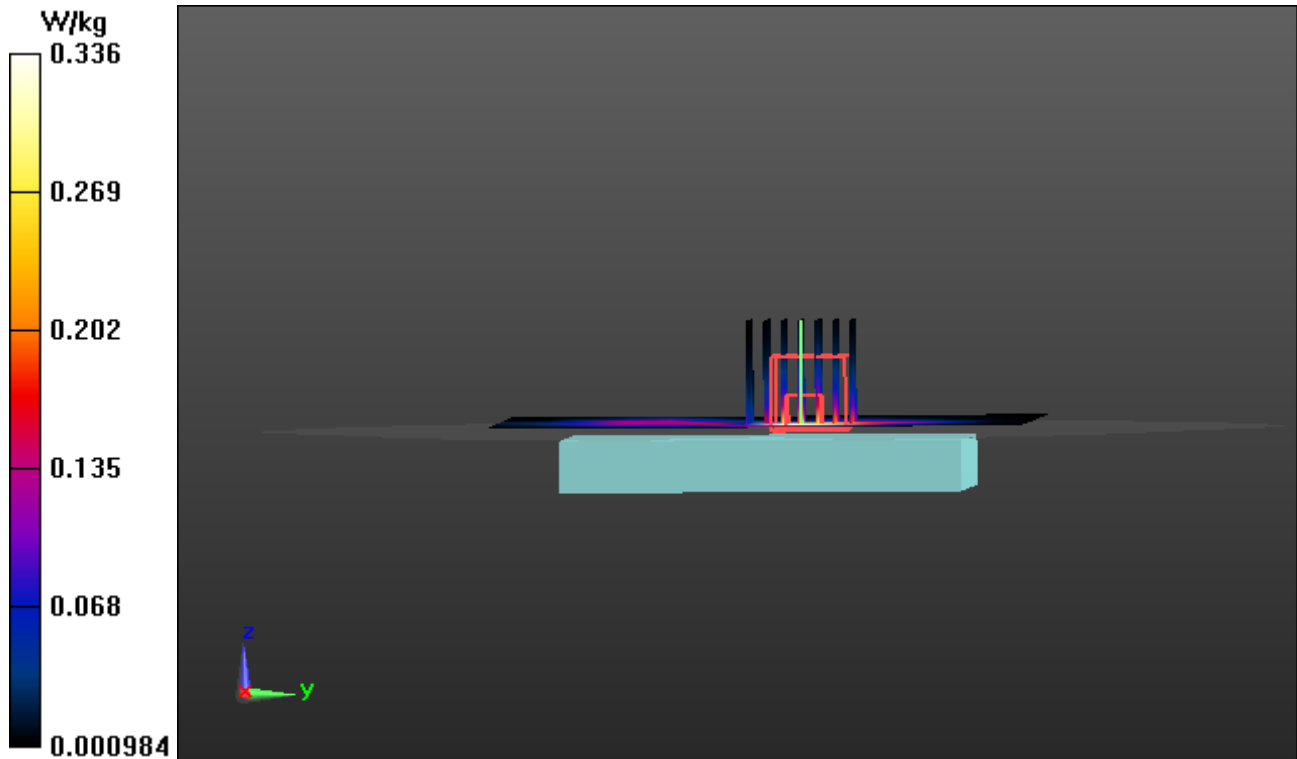
Area Scan (10x14x1): Measurement grid: $dx=12\text{mm}$, $dy=12\text{mm}$

Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$

Power Drift = -0.18 dB

Peak SAR (extrapolated) = 0.565 W/kg

SAR(1 g) = 0.302 W/kg; SAR(10 g) = 0.147 W/kg



0 dB = 0.442 W/kg

A1

Dt&C Co., Ltd.

DUT: RCPort-PLC300A; Type: Bar

Communication System: UID 0, NFC (0); Frequency: 13.56 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 13.56 \text{ MHz}$; $\sigma = 0.775 \text{ S/m}$; $\epsilon_r = 55.664$; $\rho = 1000 \text{ kg/m}^3$
Phantom section: Flat Section

DASY5 Configuration:

Probe: EX3DV4 - SN3916; ConvF(17.96, 17.01, 17.7); Calibrated: 3/19/2025 Electronics: DAE4 Sn1485
Sensor-Surface: 1.4mm (Mechanical Surface Detection)
Phantom: Twin-SAM V5.0; Type: QD 000 P40 CD; Serial: 1783
Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

Test Date: 2025-10-24; Ambient Temp: 21.4; Tissue Temp: 21.3

0.5 cm from Body, Front, NFC Ch. 13600, Ant. Internal

Area Scan (12x17x1): Measurement grid: $dx=10\text{mm}$, $dy=10\text{mm}$

Zoom Scan (8x8x8)/Cube 0: Measurement grid: $dx=4\text{mm}$, $dy=4\text{mm}$, $dz=1.4\text{mm}$, Graded Ratio:1.4

Power Drift = 0.03 dB

Peak SAR (extrapolated) = 0.0110 W/kg

SAR(1 g) = 0.000454 W/kg; SAR(10 g) = 9.32e-005 W/kg

