

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; Frequency: 2450 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 2450$ MHz; $\sigma = 1.763$ S/m; $\epsilon_r = 39.62$; $\rho = 1000$ kg/m³
Phantom section: Flat Section

DASY5 Configuration:

Probe: EX3DV4 - SN3916; ConvF(7.8, 7.8, 7.8); Calibrated: 4/30/2021 Electronics: DAE4 Sn1485
Sensor-Surface: 2mm (Mechanical Surface Detection)
Phantom: SAM-twin right_2021_07_13; Type: QD000P40CD; Serial: TP:1786
Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

Test Date: 2021-12-16; Ambient Temp: 21.3; Tissue Temp: 21.1

2450 MHz System Verification (100 mW)

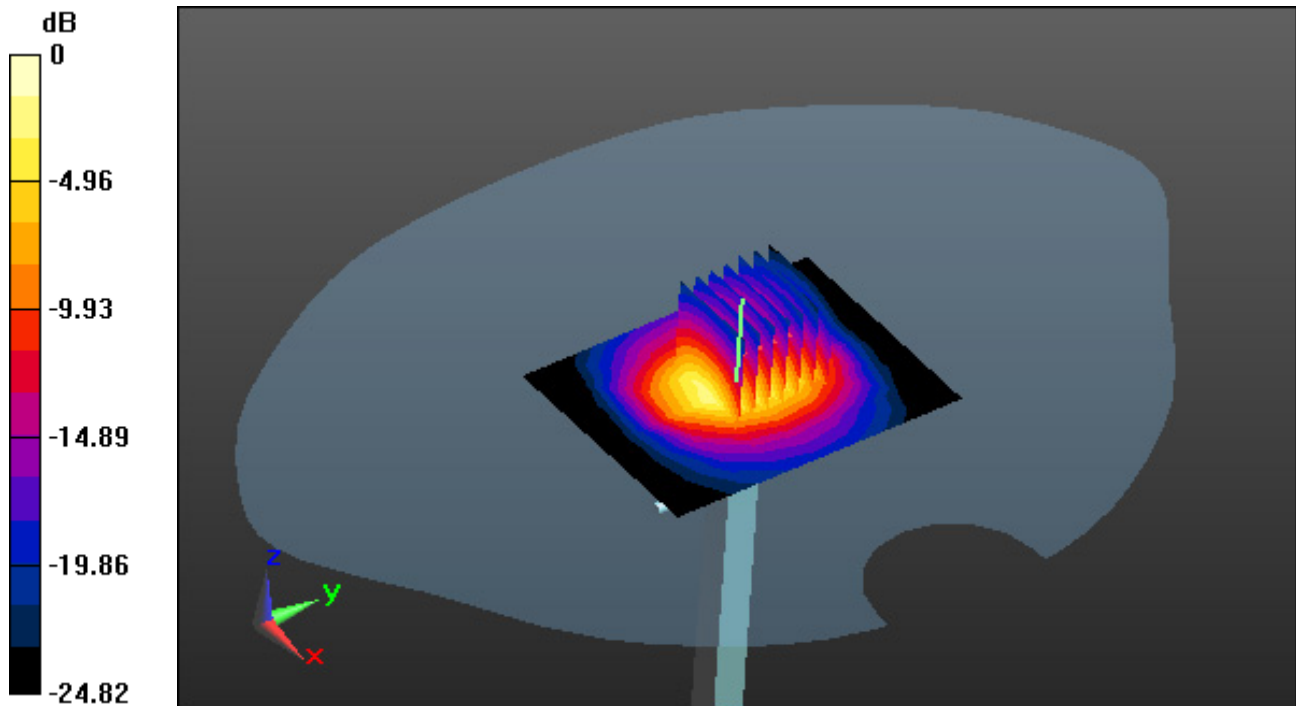
Area Scan (7x9x1): Measurement grid: dx=12mm, dy=12mm

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

Power Drift = -0.09 dB

Peak SAR (extrapolated) = 11.5 W/kg

SAR(1 g) = 5.34 W/kg; SAR(10 g) = 2.41 W/kg



0 dB = 8.27 W/kg

DT&C Co., Ltd.

DUT: TONE_NP3; Type: Headset

Communication System: UID 0, Bluetooth (0); Frequency: 2441 MHz; Duty Cycle: 1:1.318

Medium parameters used: $f = 2441 \text{ MHz}$; $\sigma = 1.753 \text{ S/m}$; $\epsilon_r = 39.64$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY5 Configuration:

Probe: EX3DV4 - SN3916; ConvF(7.8, 7.8, 7.8); Calibrated: 4/30/2021 Electronics: DAE4 Sn1485

Sensor-Surface: 2mm (Mechanical Surface Detection)

Phantom: SAM-twin right_2021_07_13; Type: QD000P40CD; Serial: TP:1786

Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

Test Date: 2021-12-16; Ambient Temp: 21.3; Tissue Temp: 21.1

Touch from Body, Upside, Bluetooth 1 Mbps Ch. 39, Ant Internal

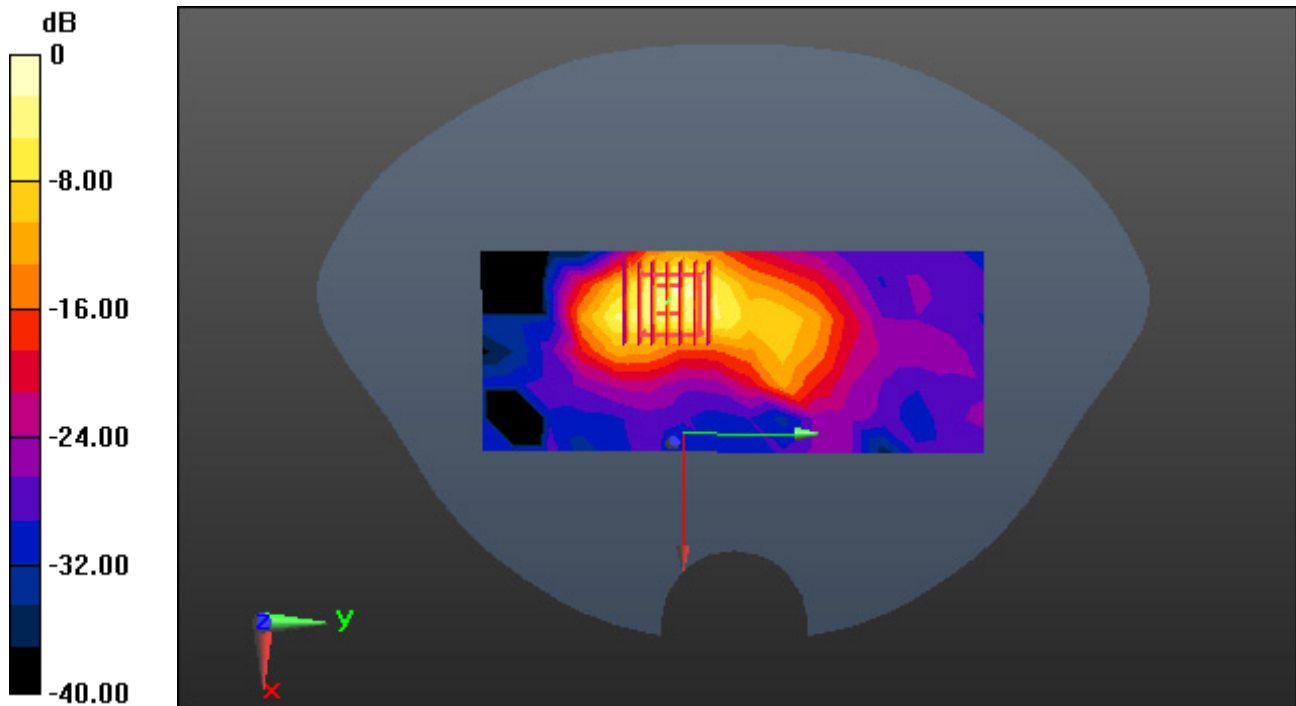
Area Scan (7x16x1): Measurement grid: $dx=12\text{mm}$, $dy=12\text{mm}$

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

Power Drift = 0.06 dB

Peak SAR (extrapolated) = 1.34 W/kg

SAR(1 g) = 0.466 W/kg; SAR(10 g) = 0.181 W/kg



0 dB = 0.833 W/kg

DT&C Co., Ltd.

DUT: TONE_NP3; Type: Headset

Communication System: UID 0, Bluetooth LE (0); Frequency: 2440 MHz; Duty Cycle: 1:1.168

Medium parameters used: $f = 2440 \text{ MHz}$; $\sigma = 1.752 \text{ S/m}$; $\epsilon_r = 39.642$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY5 Configuration:

Probe: EX3DV4 - SN3916; ConvF(7.8, 7.8, 7.8); Calibrated: 4/30/2021 Electronics: DAE4 Sn1485

Sensor-Surface: 2mm (Mechanical Surface Detection)

Phantom: SAM-twin right_2021_07_13; Type: QD000P40CD; Serial: TP:1786

Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

Test Date: 2021-12-16; Ambient Temp: 21.3; Tissue Temp: 21.1

Touch from Body, Upside, Bluetooth LE 1 Mbps Ch. 19, Ant Internal

Area Scan (7x16x1): 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 = 0.03 dB

Peak SAR (extrapolated) = 0.268 W/kg

SAR(1 g) = 0.093 W/kg; SAR(10 g) = 0.036 W/kg

