

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; $\sigma = 1.817$ S/m; $\epsilon_r = 40.458$; $\rho = 1000$ kg/m³
Phantom section: Flat Section

DASY5 Configuration:

Probe: ES3DV3 - SN3328; ConvF(4.82, 4.82, 4.82); Calibrated: 3/21/2018; Electronics: DAE3 Sn520
Sensor-Surface: 3mm (Mechanical Surface Detection)
Phantom: SAM with CRP_2016_07_22_middle; Type: QD000P40CD; Serial: TP:1786
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2018-08-10; Ambient Temp: 20.4; Tissue Temp: 20.8

2450 MHz System Head Verification (100 mW)

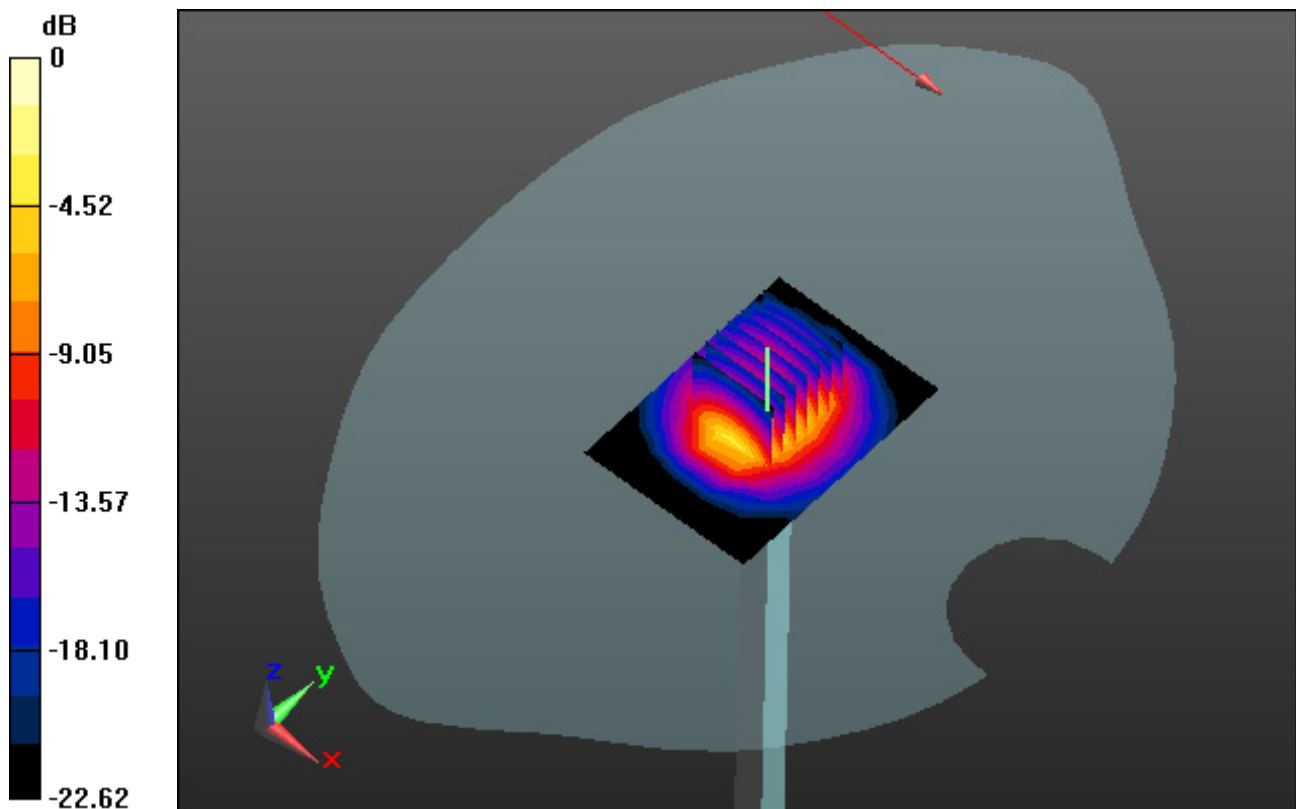
Area Scan (6x8x1): Measurement grid: dx=12mm, dy=12mm

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

Power Drift = 0.04 dB

Peak SAR (extrapolated) = 8.62 W/kg

SAR(1 g) = 5.06 W/kg; SAR(10 g) = 2.37 W/kg



0 dB = 6.81 W/kg

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; $\sigma = 1.904$ S/m; $\epsilon_r = 50.837$; $\rho = 1000$ kg/m³
Phantom section: Flat Section

DASY5 Configuration:

Probe: ES3DV3 - SN3328; ConvF(4.48, 4.48, 4.48); Calibrated: 3/21/2018; Electronics: DAE3 Sn520
Sensor-Surface: 3mm (Mechanical Surface Detection)
Phantom: SAM with CRP_2016_07_22_middle; Type: QD000P40CD; Serial: TP:1786
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2018-08-10; Ambient Temp: 20.4; Tissue Temp: 21.0

2450 MHz System Body Verification (100 mW)

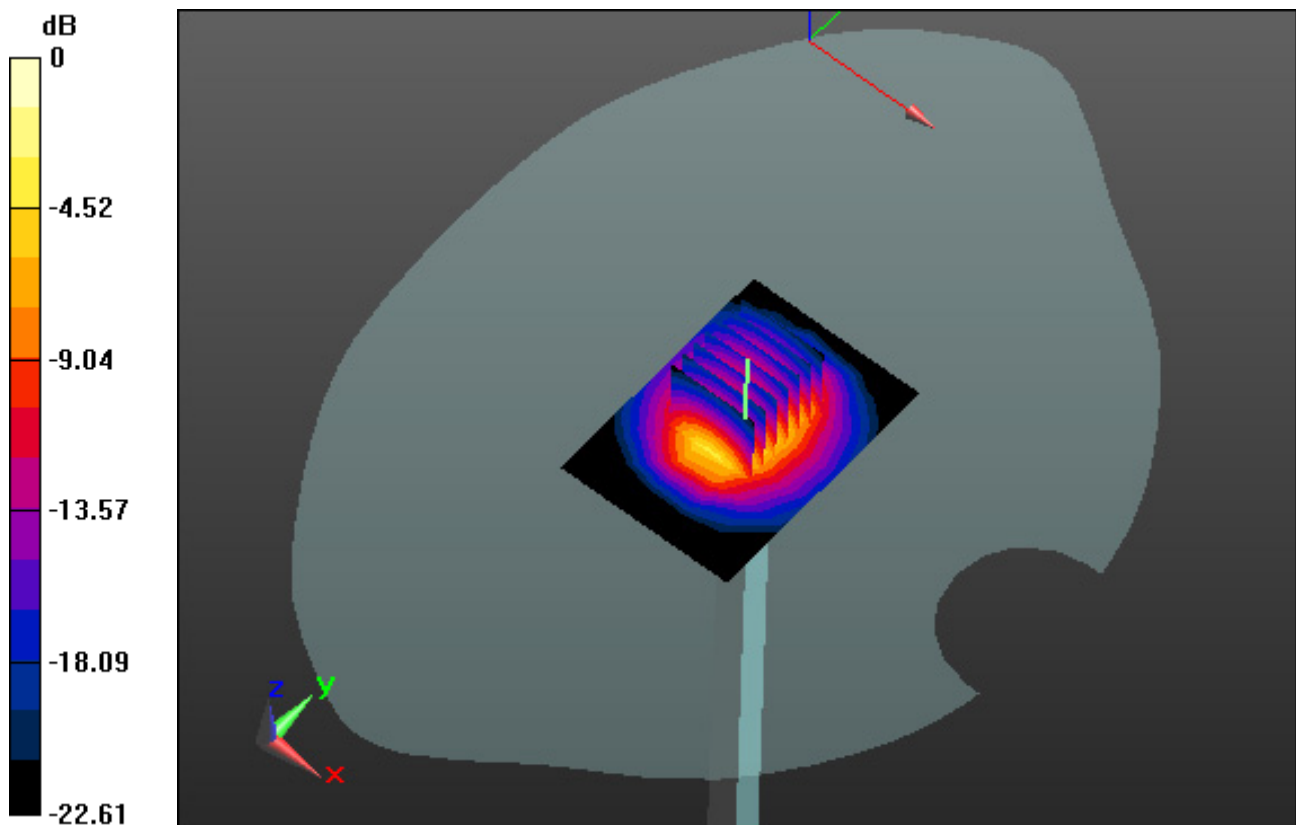
Area Scan (6x8x1): Measurement grid: dx=12mm, dy=12mm

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

Power Drift = 0.06 dB

Peak SAR (extrapolated) = 8.20 W/kg

SAR(1 g) = 4.88 W/kg; SAR(10 g) = 2.32 W/kg



0 dB = 6.28 W/kg

DT&C Co., Ltd.

DUT: LM-V409V; Type: Bar

Communication System: UID 0, 2.4 GHz W-LAN (0); Frequency: 2412 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 2412 \text{ MHz}$; $\sigma = 1.775 \text{ S/m}$; $\epsilon_r = 40.601$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Right Section

DASY5 Configuration:

Probe: ES3DV3 - SN3328; ConvF(4.82, 4.82, 4.82); Calibrated: 3/21/2018; Electronics: DAE3 Sn520

Sensor-Surface: 3mm (Mechanical Surface Detection)

Phantom: SAM with CRP_2016_07_22_middle; Type: QD000P40CD; Serial: TP:1786

Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2018-08-10; Ambient Temp: 20.4; Tissue Temp: 20.8

Right Touch, WLAN(802.11b) Ch. 1, Ant Internal, Standard Battery

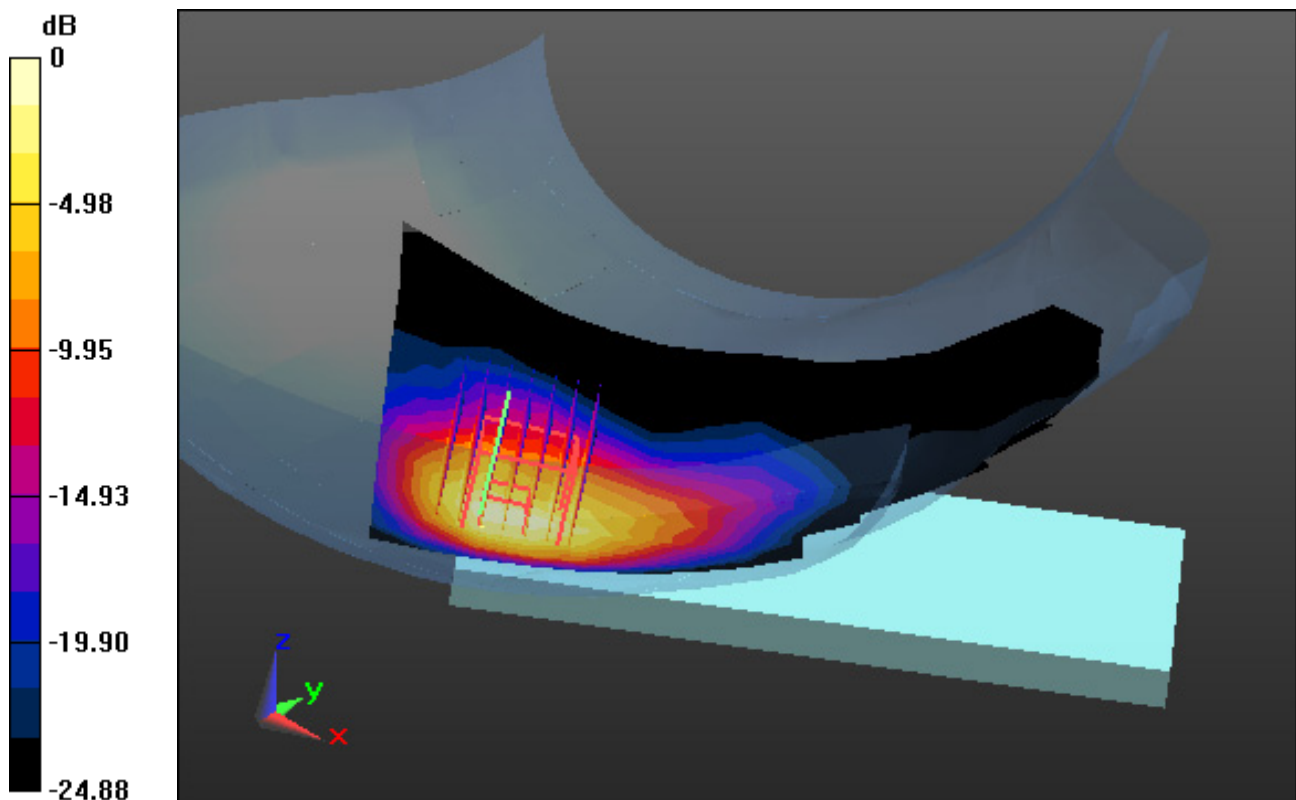
Area Scan (11x17x1): Measurement grid: $dx=12\text{mm}$, $dy=12\text{mm}$

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

Power Drift = 0.18 dB

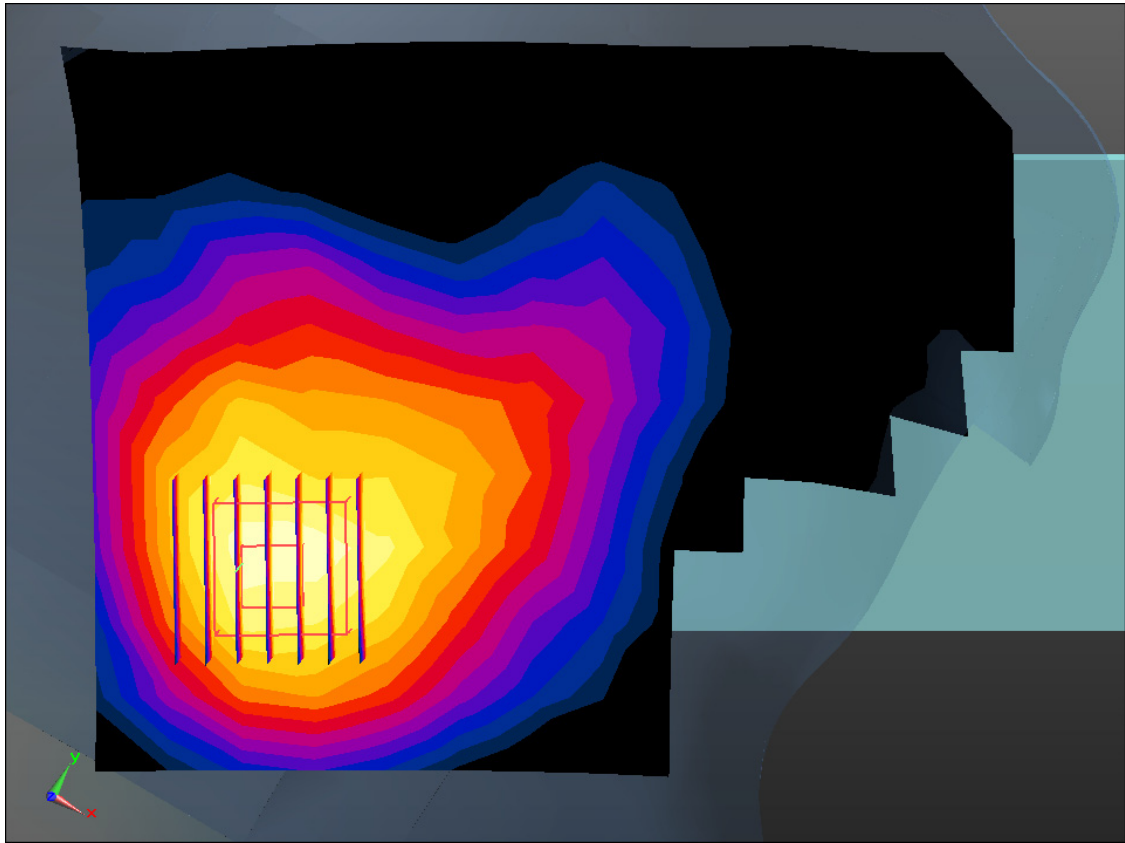
Peak SAR (extrapolated) = 1.94 W/kg

SAR(1 g) = 0.815 W/kg; SAR(10 g) = 0.371 W/kg



0 dB = 1.06 W/kg

A1



Enlarged Plot for A1

DT&C Co., Ltd.

DUT: LM-V409V; Type: Bar

Communication System: UID 0, 2.4 GHz W-LAN (0); Frequency: 2412 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 2412 \text{ MHz}$; $\sigma = 1.859 \text{ S/m}$; $\epsilon_r = 50.931$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY5 Configuration:

Probe: ES3DV3 - SN3328; ConvF(4.48, 4.48, 4.48); Calibrated: 3/21/2018; Electronics: DAE3 Sn520

Sensor-Surface: 3mm (Mechanical Surface Detection)

Phantom: SAM with CRP_2016_07_22_middle; Type: QD000P40CD; Serial: TP:1786

Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2018-08-10; Ambient Temp: 20.4; Tissue Temp: 21.0

1 cm space from Body, Front, WLAN(802.11b) Ch. 1, Ant Internal

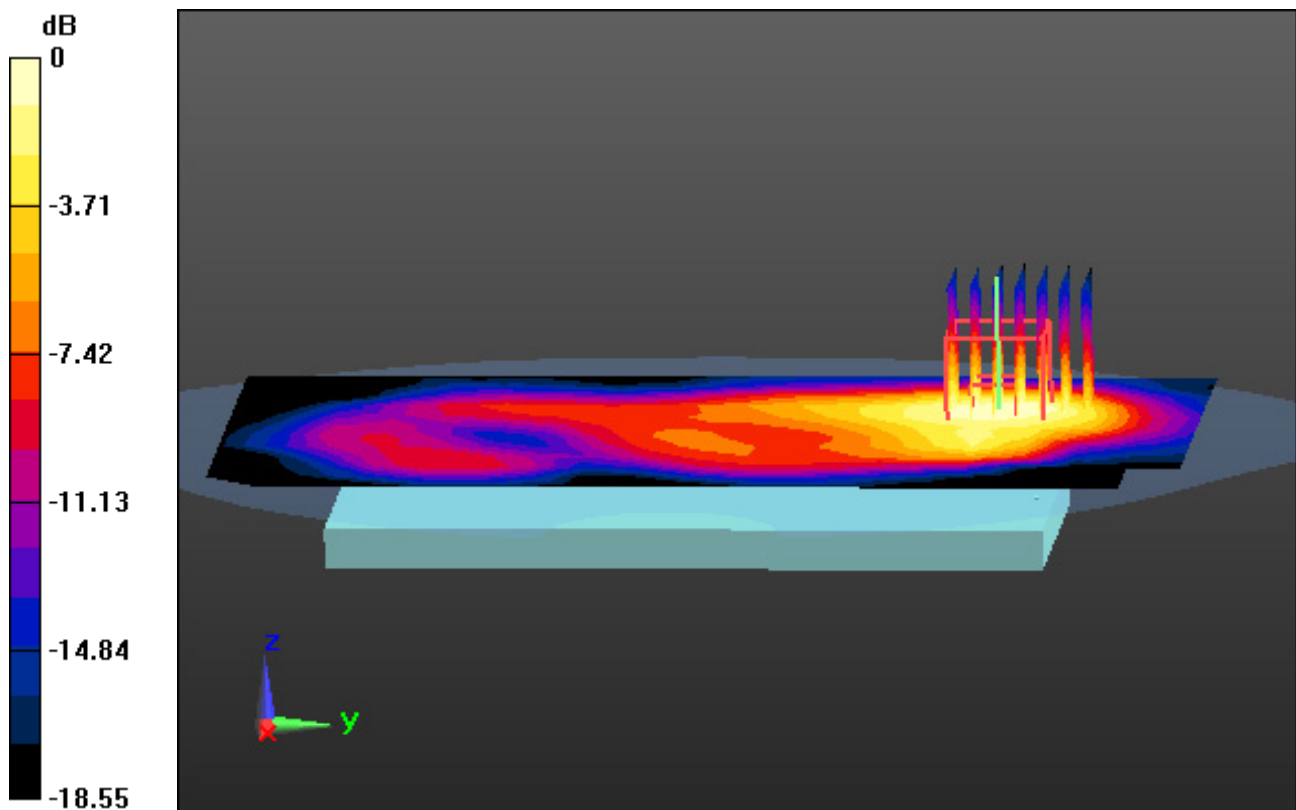
Area Scan (12x19x1): Measurement grid: $dx=12\text{mm}$, $dy=12\text{mm}$

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

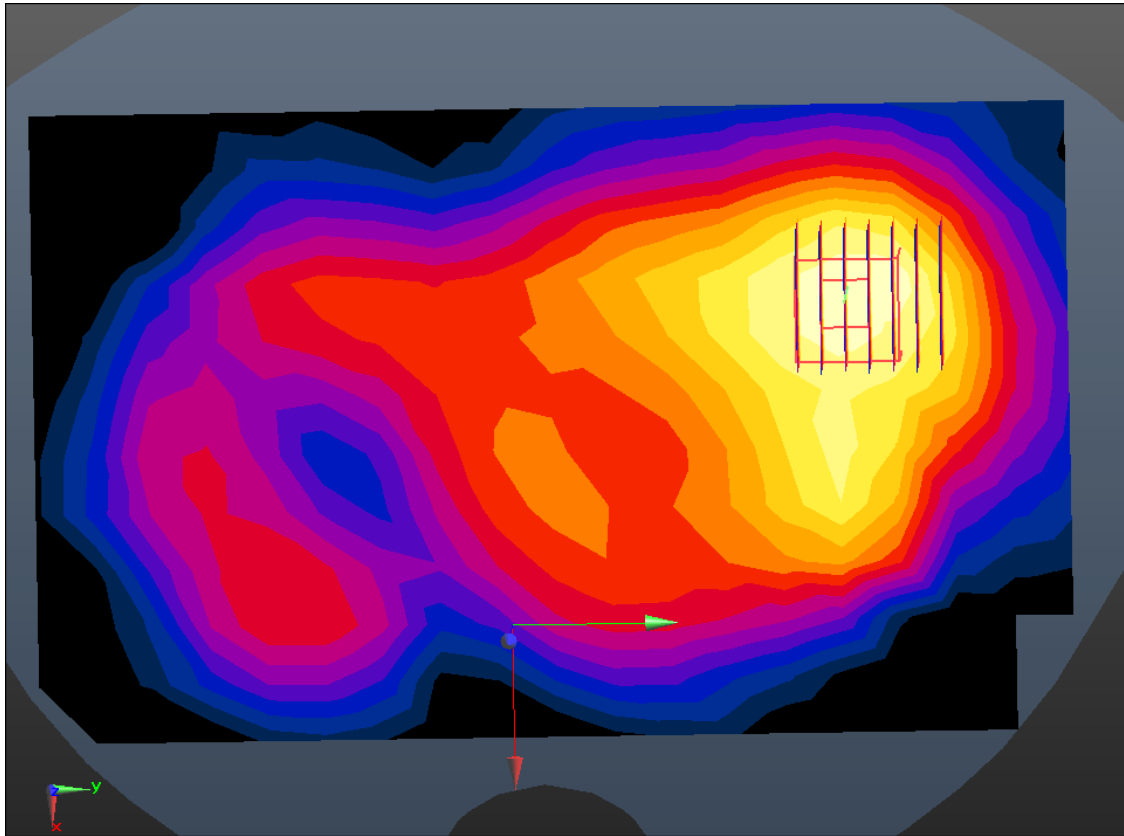
Power Drift = -0.10 dB

Peak SAR (extrapolated) = 0.226 W/kg

SAR(1 g) = 0.128 W/kg; SAR(10 g) = 0.071 W/kg



0 dB = 0.154 W/kg



Enlarged Plot for A2

DT&C Co., Ltd.

DUT: LM-V409V; Type: Bar

Communication System: UID 0, 2.4 GHz W-LAN (0); Frequency: 2412 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 2412 \text{ MHz}$; $\sigma = 1.859 \text{ S/m}$; $\epsilon_r = 50.931$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY5 Configuration:

Probe: ES3DV3 - SN3328; ConvF(4.48, 4.48, 4.48); Calibrated: 3/21/2018; Electronics: DAE3 Sn520

Sensor-Surface: 3mm (Mechanical Surface Detection)

Phantom: SAM with CRP_2016_07_22_middle; Type: QD000P40CD; Serial: TP:1786

Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2018-08-10; Ambient Temp: 20.4; Tissue Temp: 21.0

Touch from Body, Front, WLAN(802.11b) Ch. 1, Ant Internal

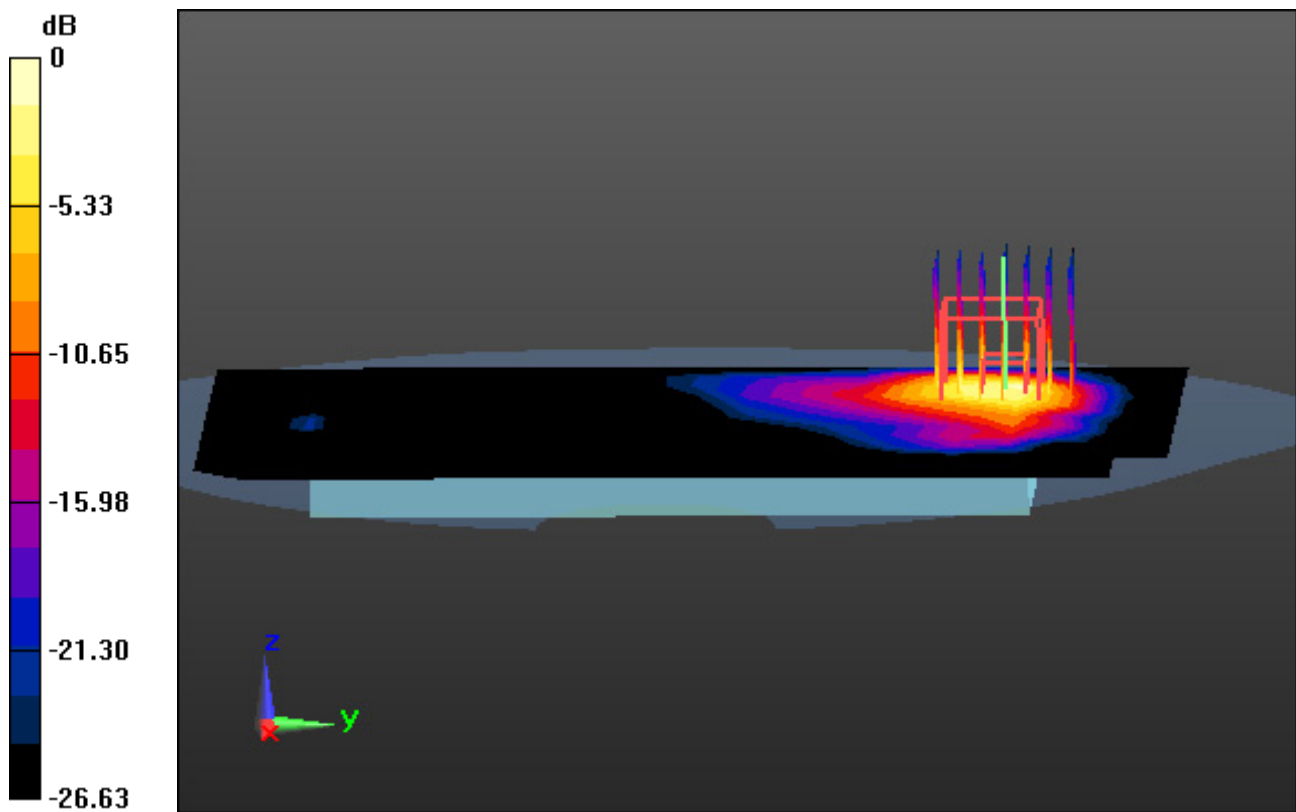
Area Scan (12x19x1): Measurement grid: $dx=12\text{mm}$, $dy=12\text{mm}$

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

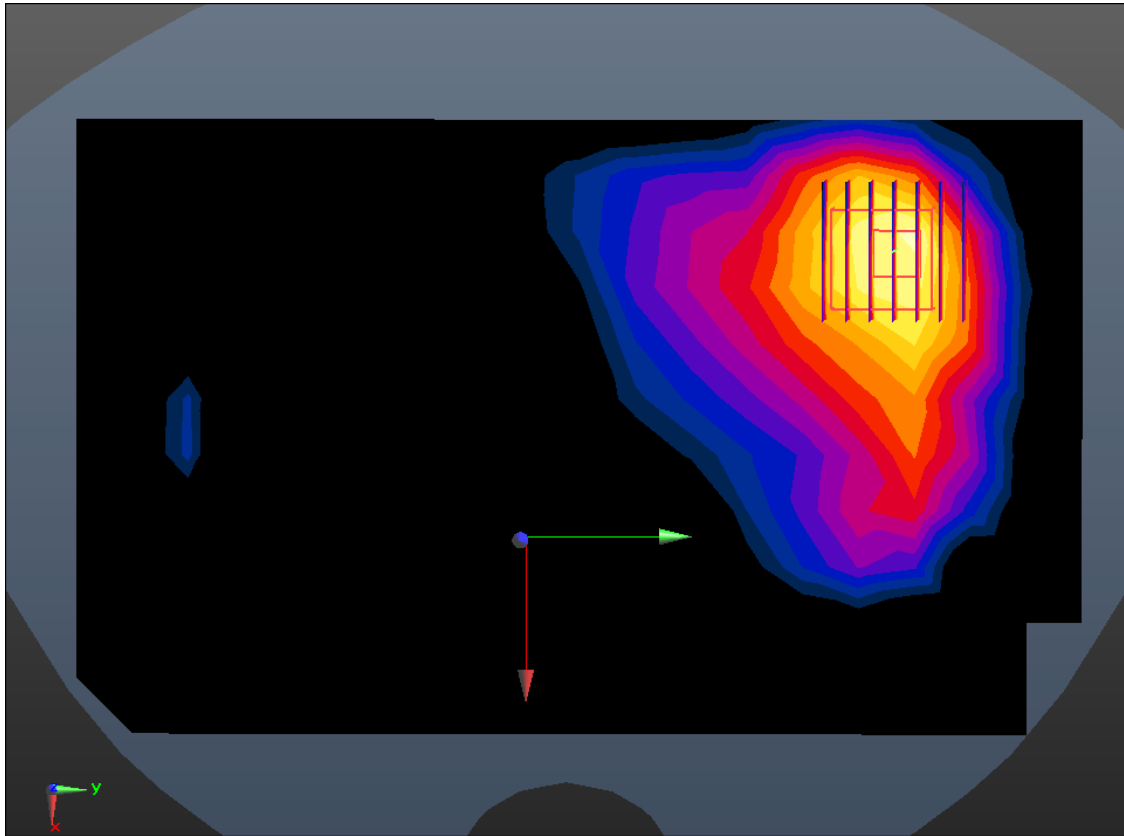
Power Drift = -0.17 dB

Peak SAR (extrapolated) = 5.06 W/kg

SAR(1 g) = 1.79 W/kg; SAR(10 g) = 0.727 W/kg



0 dB = 2.62 W/kg



Enlarged Plot for A3