SAR Plots

- Verification Plots
- SAR Test Plots

DT&C Co., Ltd.

DUT: Dipole 2450 MHz; Type: D2450V2; Serial: D2450V2 - SN:920

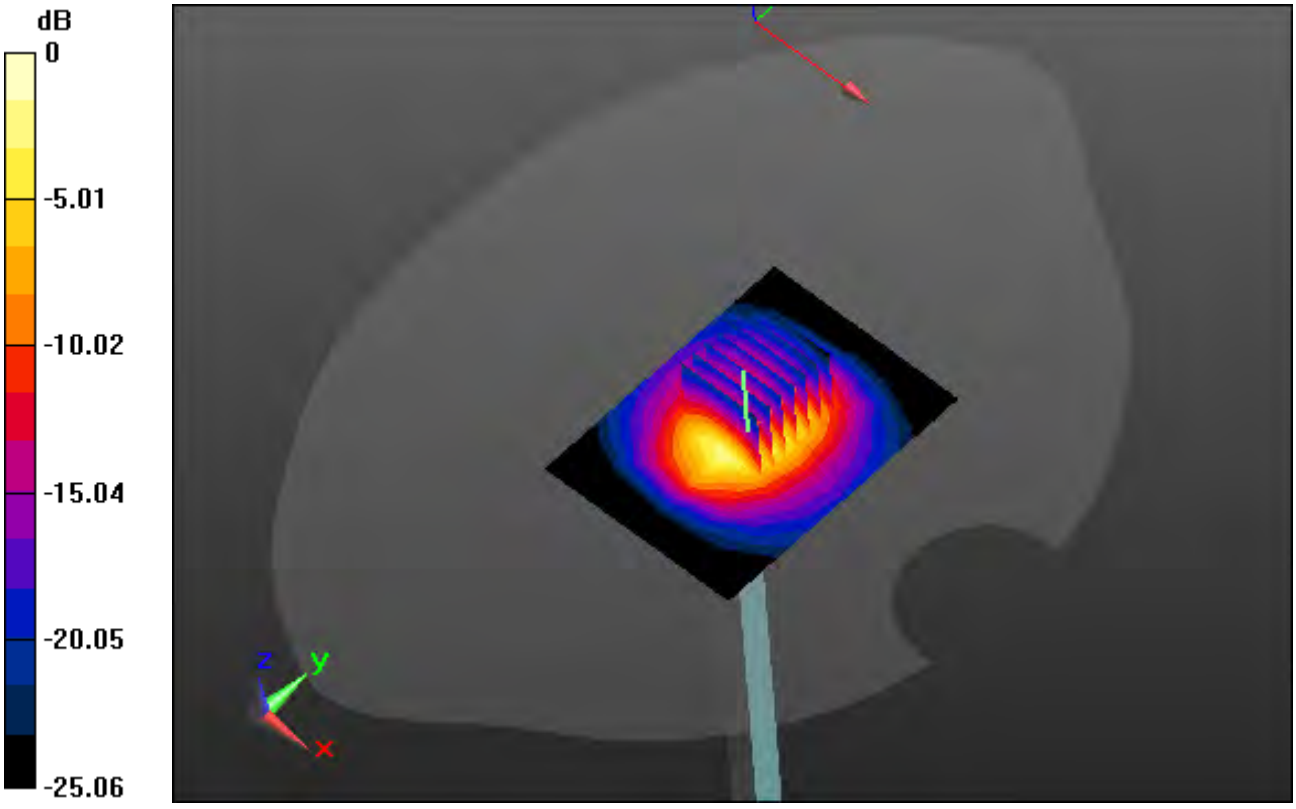
Communication System: UID 0, CW; Frequency: 2450 MHz;Duty Cycle: 1:1
Medium parameters used: f = 2450 MHz; σ = 1.795 S/m; ε_r = 38.248; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:
Probe: EX3DV4 - SN3866; ConvF(7.45, 7.45, 7.45); Calibrated: 5/31/2018; Electronics: DAE4 Sn1391
Sensor-Surface: 2mm (Mechanical Surface Detection)
Phantom: Twin-SAM V5.0 ; Type: QD 000 P40 CD; Serial: 1679
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2019-01-23; Ambient Temp: 21.5; Tissue Temp: 21.6

2450 MHz System Head Verification (100mW)

Area Scan (7x9x1): Measurement grid: dx=12mm, dy=12mm
Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Power Drift = -0.18 dB
Peak SAR (extrapolated) = 11.2 W/kg
SAR(1 g) = 5.03 W/kg; SAR(10 g) = 2.36 W/kg



0 dB = 7.87 W/kg

DT&C Co., Ltd.

DUT: Dipole 2450 MHz; Type: D2450V2; Serial: D2450V2 - SN:920

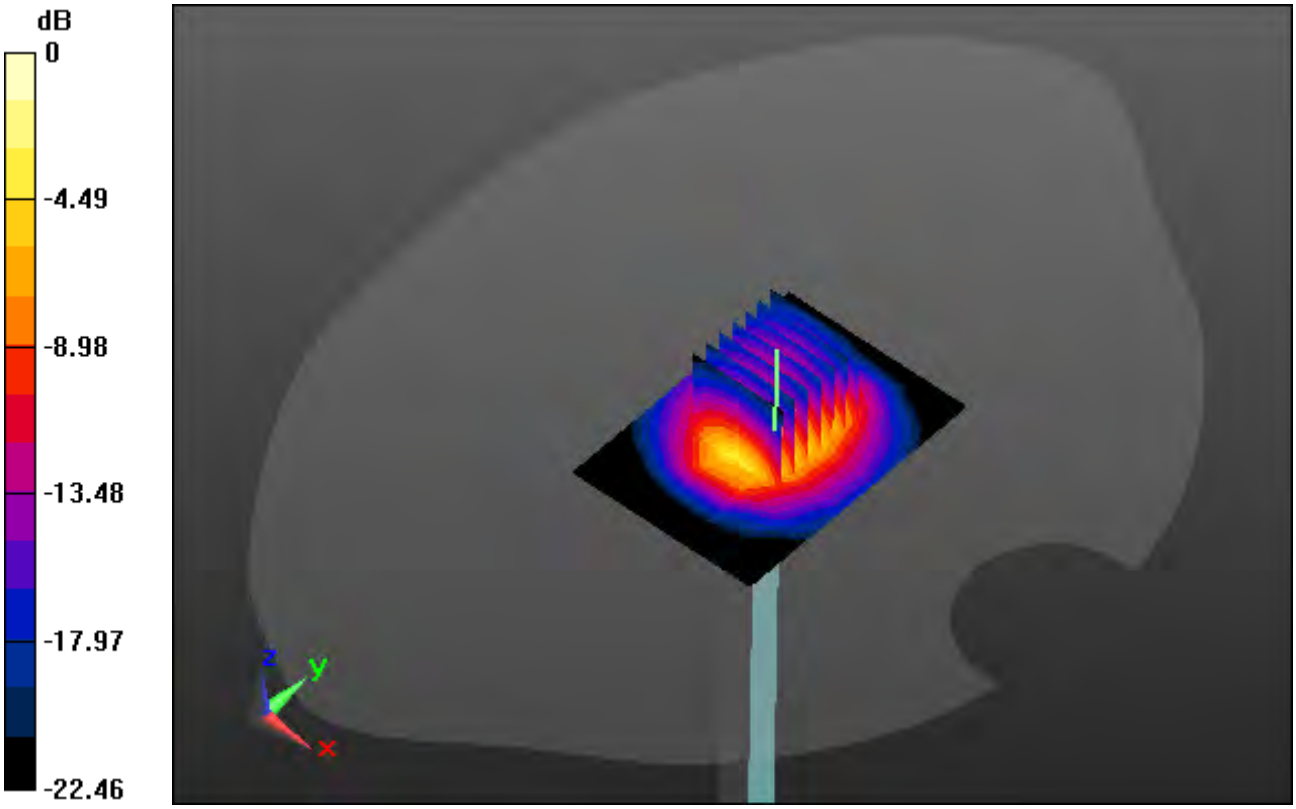
Communication System: UID 0, CW (0); Frequency: 2450 MHz;Duty Cycle: 1:1
Medium parameters used: f = 2450 MHz; σ = 1.904 S/m; ε_r = 52.434; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:
Probe: ES3DV3 - SN3327; ConvF(4.5, 4.5, 4.5); Calibrated: 8/28/2018; Electronics: DAE4 Sn1453
Sensor-Surface: 3mm (Mechanical Surface Detection)
Phantom: Twin-SAM V5.0 ; Type: QD 000 P40 CD; Serial: 1679
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2019-01-24; Ambient Temp: 20.3; Tissue Temp: 20.5

2450 MHz System Body Verification (100mW)

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) = 9.83 W/kg
SAR(1 g) = 4.96 W/kg; SAR(10 g) = 2.32 W/kg



0 dB = 7.66 W/kg

DT&C Co., Ltd.

DUT: LM-G820V; Type: Bar

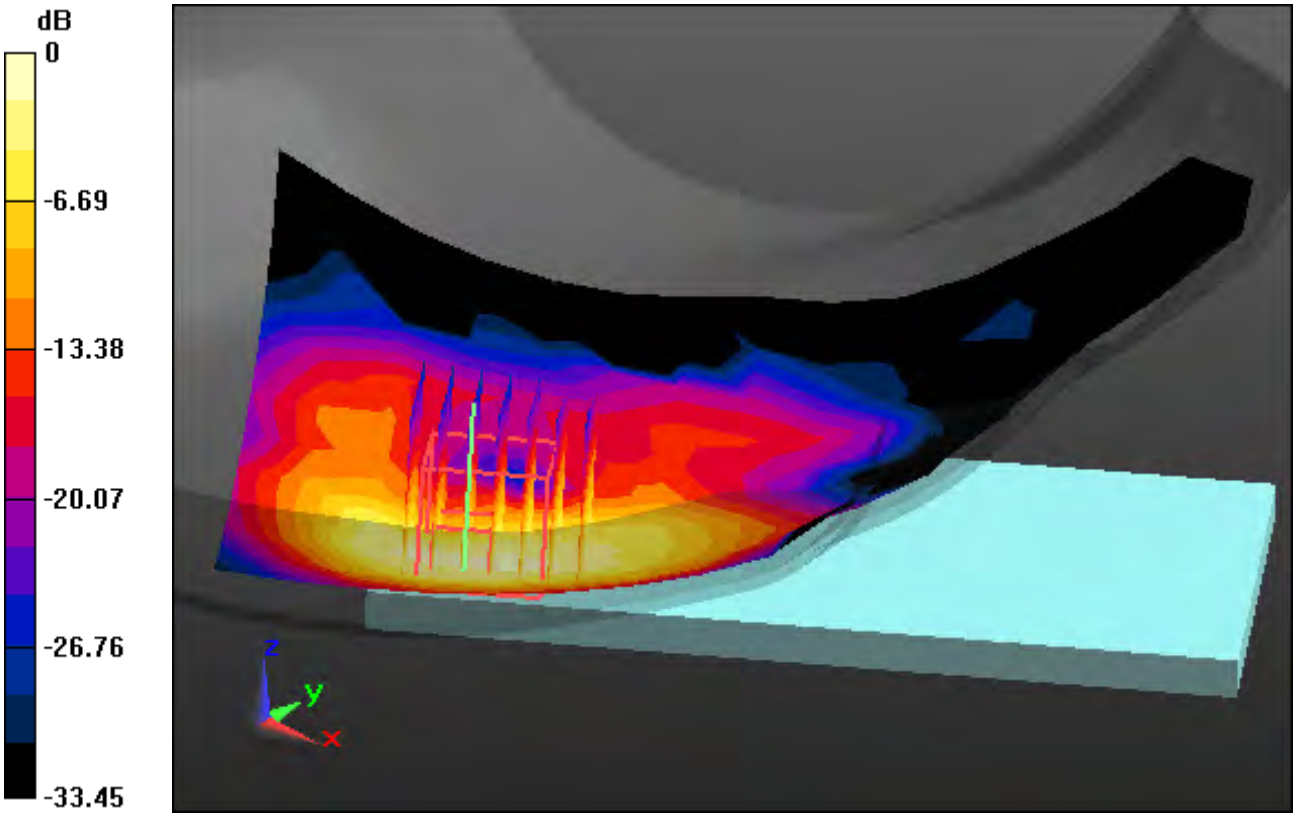
Communication System: UID 0, W-LAN (0); Frequency: 2462 MHz;Duty Cycle: 1:1
Medium parameters used: f = 2462 MHz; σ = 1.808 S/m; ε_r = 38.22; ρ = 1000 kg/m^3
Phantom section: Right Section

DASY5 Configuration:
Probe: EX3DV4 - SN3866; ConvF(7.45, 7.45, 7.45); Calibrated: 5/31/2018; Electronics: DAE4 Sn1391
Sensor-Surface: 2mm (Mechanical Surface Detection)
Phantom: Twin-SAM V5.0 ; Type: QD 000 P40 CD; Serial: 1679
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

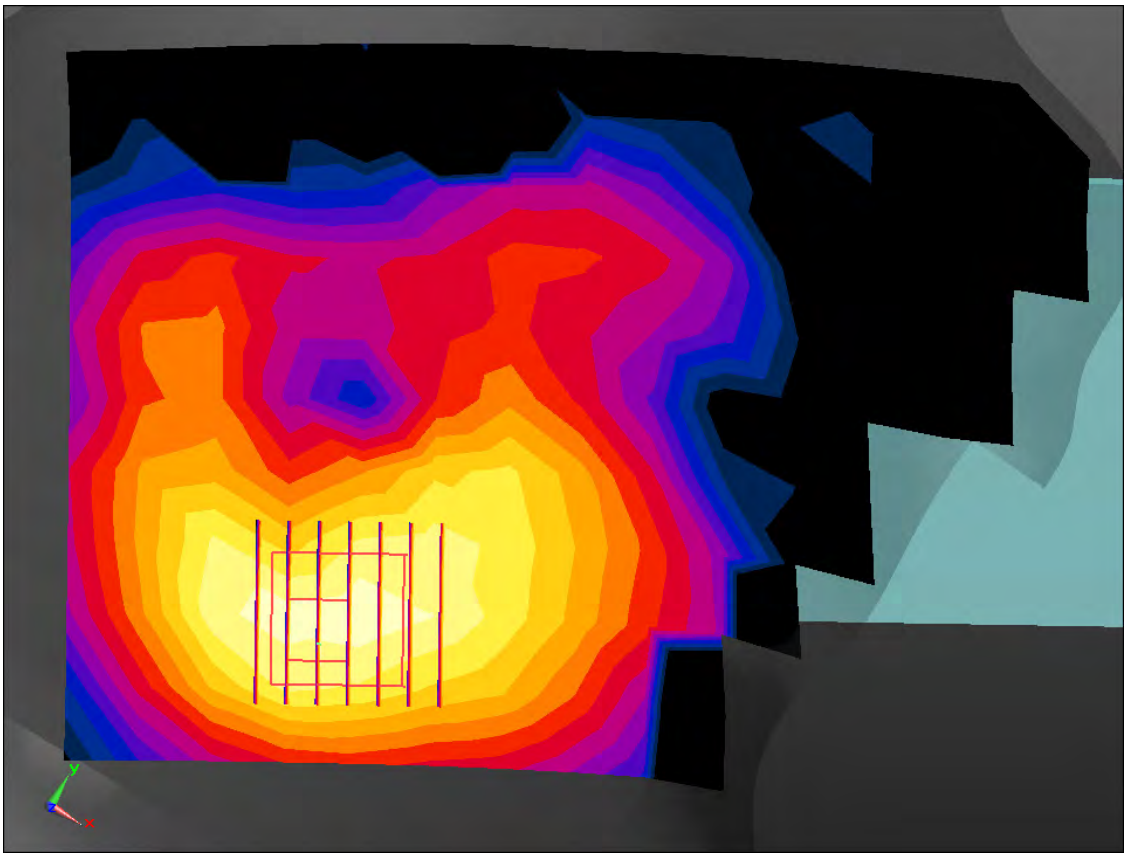
Test Date: 2019-01-23; Ambient Temp: 21.5; Tissue Temp: 21.6

Right Touch, WLAN(802.11b) Ch. 11, Ant Internal, Standard Battery

Area Scan (11x17x1): Measurement grid: dx=12mm, dy=12mm
Zoom Scan (7x8x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Power Drift = -0.05 dB
Peak SAR (extrapolated) = 1.05 W/kg
SAR(1 g) = 0.384 W/kg; SAR(10 g) = 0.176 W/kg



0 dB = 0.637 W/kg



Enlarged Plot for A1

DT&C Co., Ltd.

DUT: LM-G820V; Type: Bar

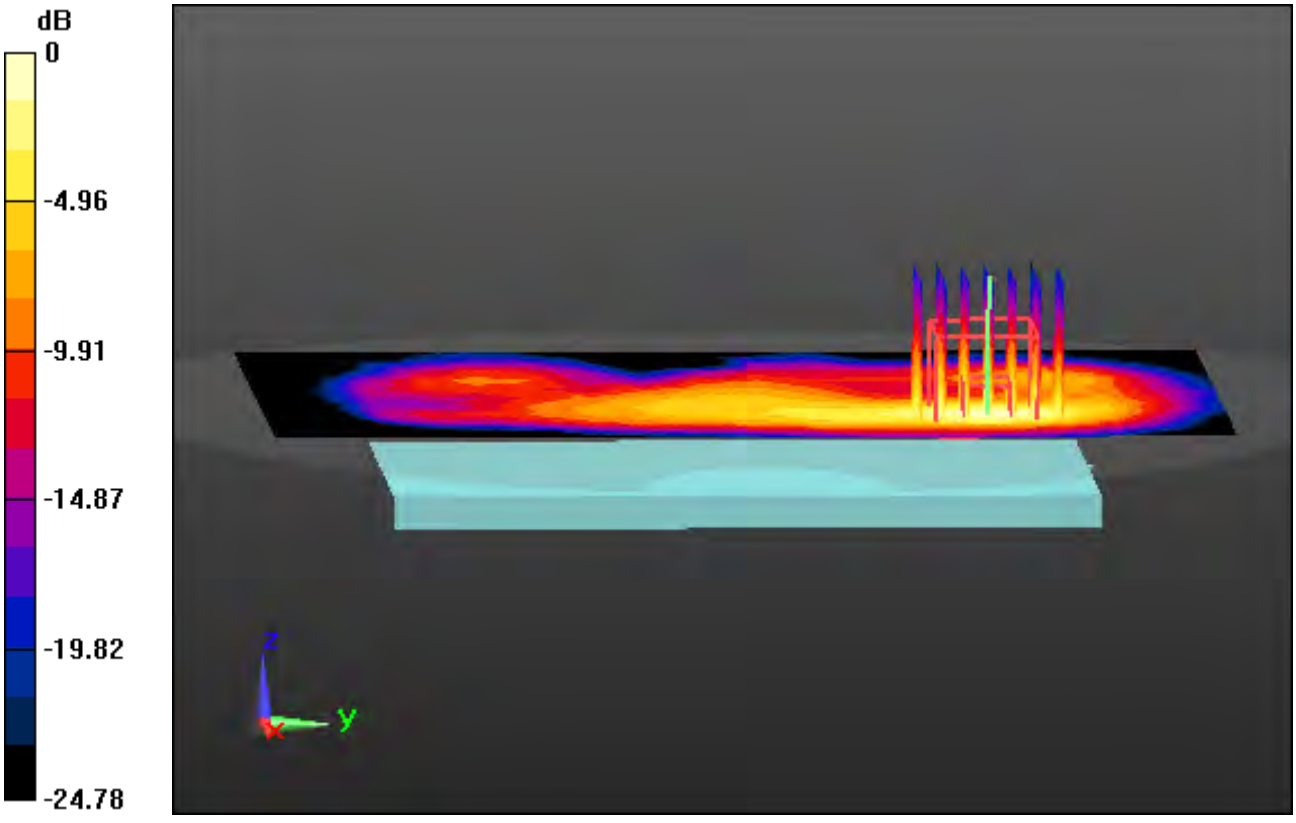
Communication System: UID 0, W-LAN (0); Frequency: 2462 MHz;Duty Cycle: 1:1
Medium parameters used: f = 2462 MHz; σ = 1.918 S/m; ε_r = 52.416; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:
Probe: ES3DV3 - SN3327; ConvF(4.5, 4.5, 4.5); Calibrated: 8/28/2018; Electronics: DAE4 Sn1453
Sensor-Surface: 3mm (Mechanical Surface Detection)
Phantom: Twin-SAM V5.0 ; Type: QD 000 P40 CD; Serial: 1679
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

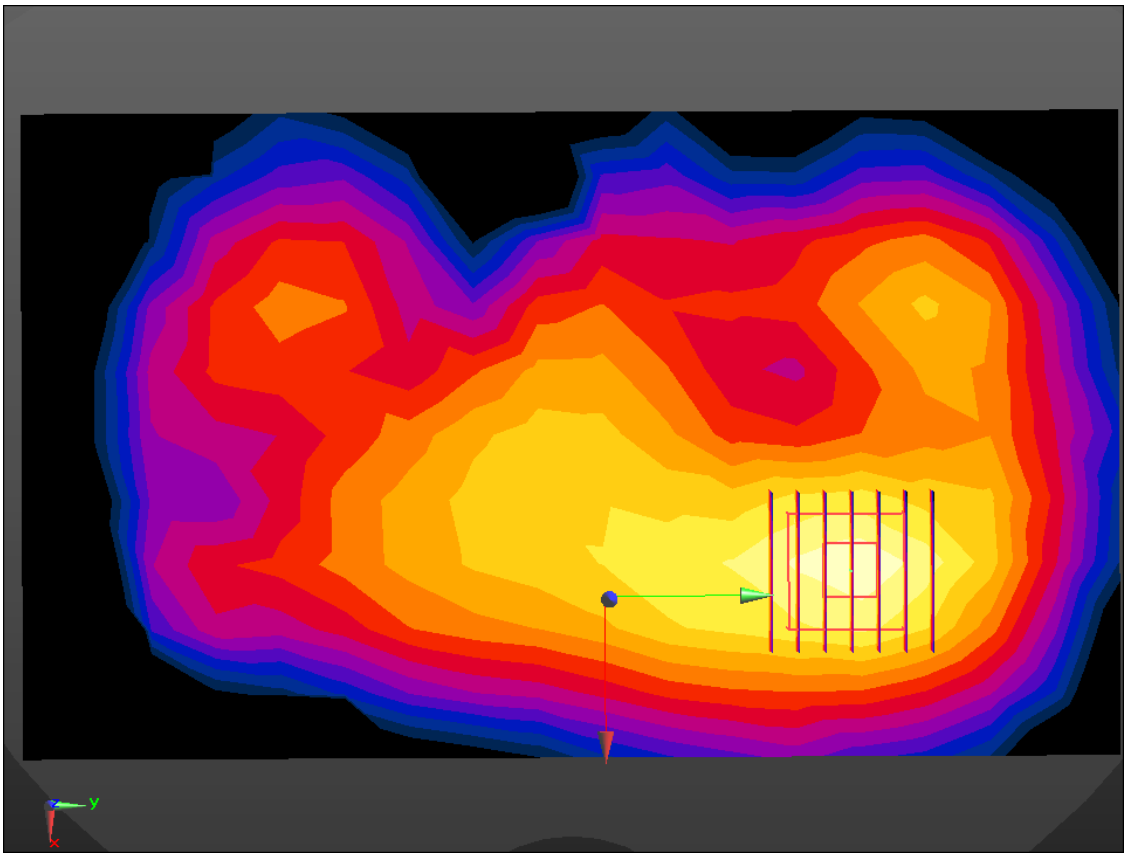
Test Date: 2019-01-24; Ambient Temp: 20.3; Tissue Temp: 20.5

1 cm space from Body, Rear, WLAN(802.11b) Ch. 11, Ant Internal

Area Scan (11x18x1): Measurement grid: dx=12mm, dy=12mm
Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Power Drift = 0.02 dB
Peak SAR (extrapolated) = 0.335 W/kg
SAR(1 g) = 0.163 W/kg; SAR(10 g) = 0.078 W/kg



0 dB = 0.214 W/kg



Enlarged Plot for A2

DT&C Co., Ltd.

DUT: LM-G820V; Type: Bar

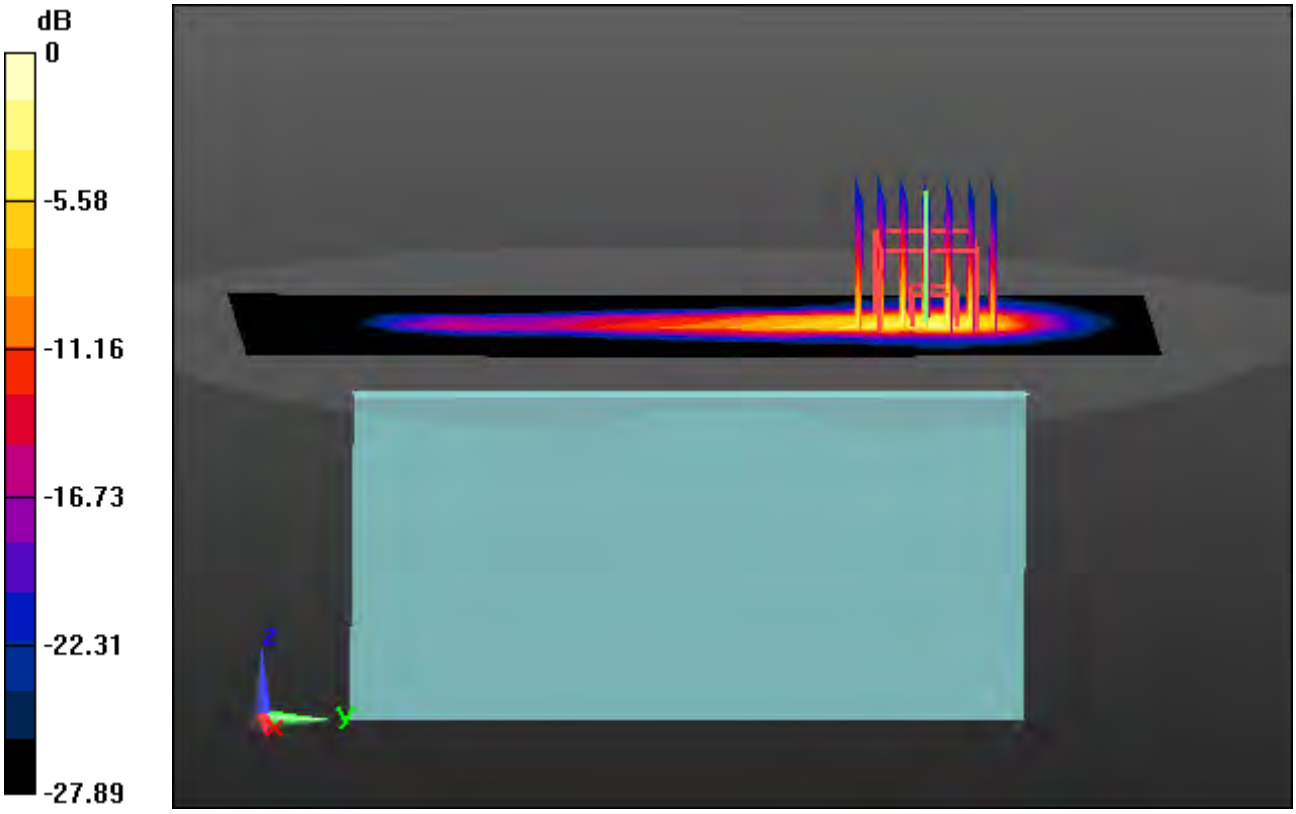
Communication System: UID 0, W-LAN (0); Frequency: 2462 MHz;Duty Cycle: 1:1
Medium parameters used: f = 2462 MHz; σ = 1.918 S/m; ε_r = 52.416; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:
Probe: ES3DV3 - SN3327; ConvF(4.5, 4.5, 4.5); Calibrated: 8/28/2018; Electronics: DAE4 Sn1453
Sensor-Surface: 3mm (Mechanical Surface Detection)
Phantom: Twin-SAM V5.0 ; Type: QD 000 P40 CD; Serial: 1679
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

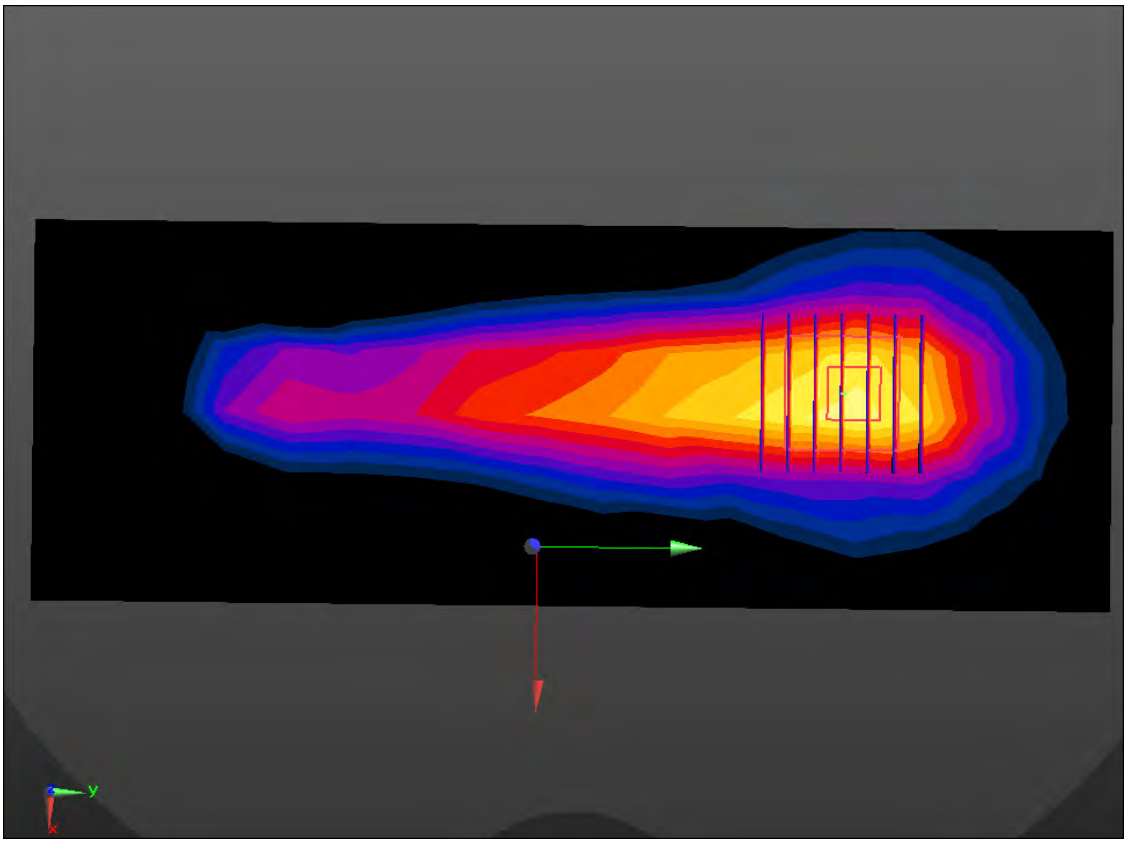
Test Date: 2019-01-24; Ambient Temp: 20.3; Tissue Temp: 20.5

Touch from Body, Left, WLAN(802.11b) Ch. 11, Ant Internal

Area Scan (7x18x1): Measurement grid: dx=12mm, dy=12mm
Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Power Drift = 0.15 dB
Peak SAR (extrapolated) = 6.76 W/kg
SAR(1 g) = 2.32 W/kg; SAR(10 g) = 0.802 W/kg



0 dB = 3.58 W/kg



Enlarged Plot for A3