SAR Plots

- Verification Plots
- SAR Test Plots

DT&C Co., Ltd.

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

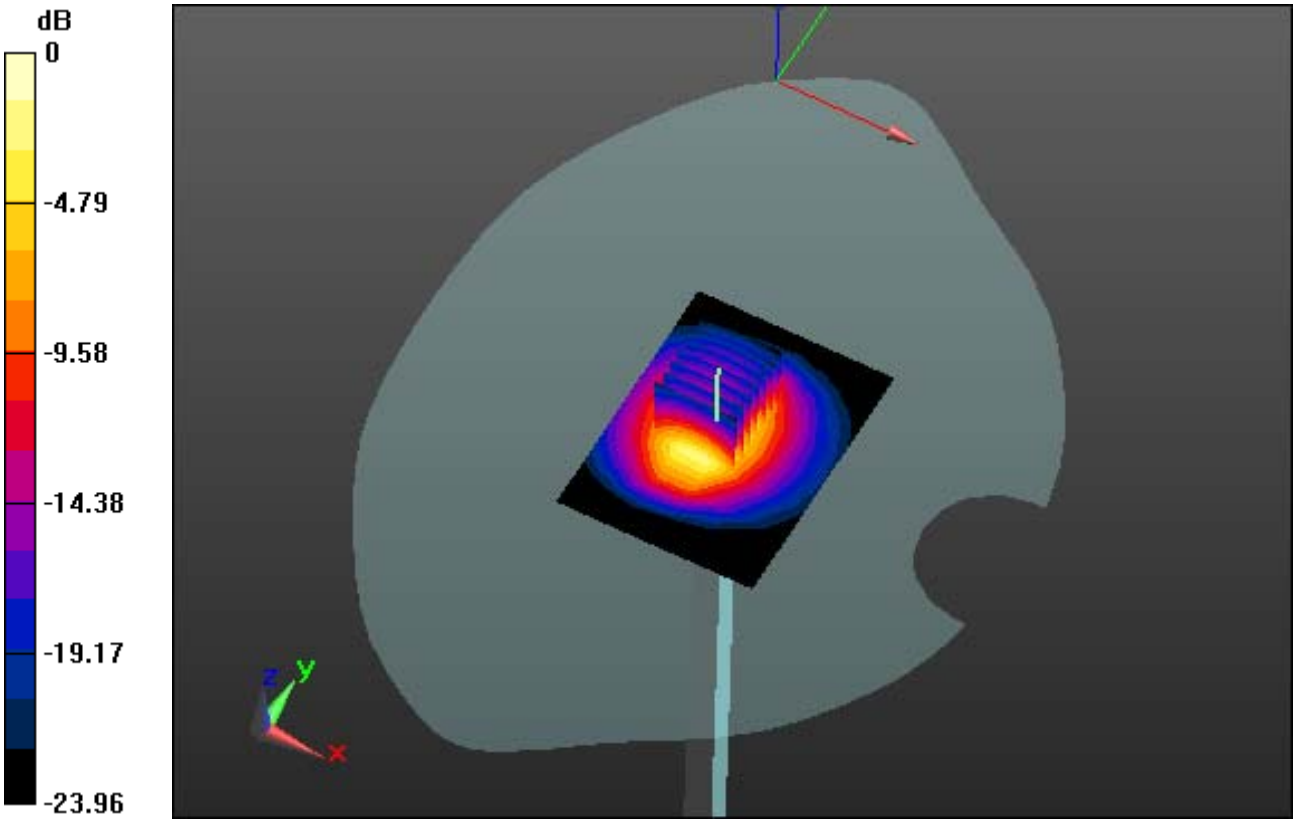
Communication System: UID 0, CW (0); Frequency: 2450 MHz;Duty Cycle: 1:1
Medium parameters used: f = 2450 MHz; σ = 1.836 S/m; ε_r = 38.015; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:
Probe: EX3DV4 - SN3866; ConvF(7.48, 7.48, 7.48); Calibrated: 5/31/2017; ; Electronics: DAE4 Sn1392
Sensor-Surface: 2mm (Mechanical Surface Detection)
Phantom: SAM (30deg probe tilt) with CRP v5.0; Type: QD000P40CD; Serial: TP:1679
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2017-08-17; Ambient Temp: 21.5; Tissue Temp: 22.0

2450 MHz System Verification

Area Scan (7x9x1): Measurement grid: dx=12mm, dy=12mm
Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Power Drift = -0.01 dB
Peak SAR (extrapolated) = 28.1 W/kg
SAR(1 g) = 13.1 W/kg; SAR(10 g) = 5.93 W/kg



0 dB = 18.6 W/kg

DT&C Co., Ltd.

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

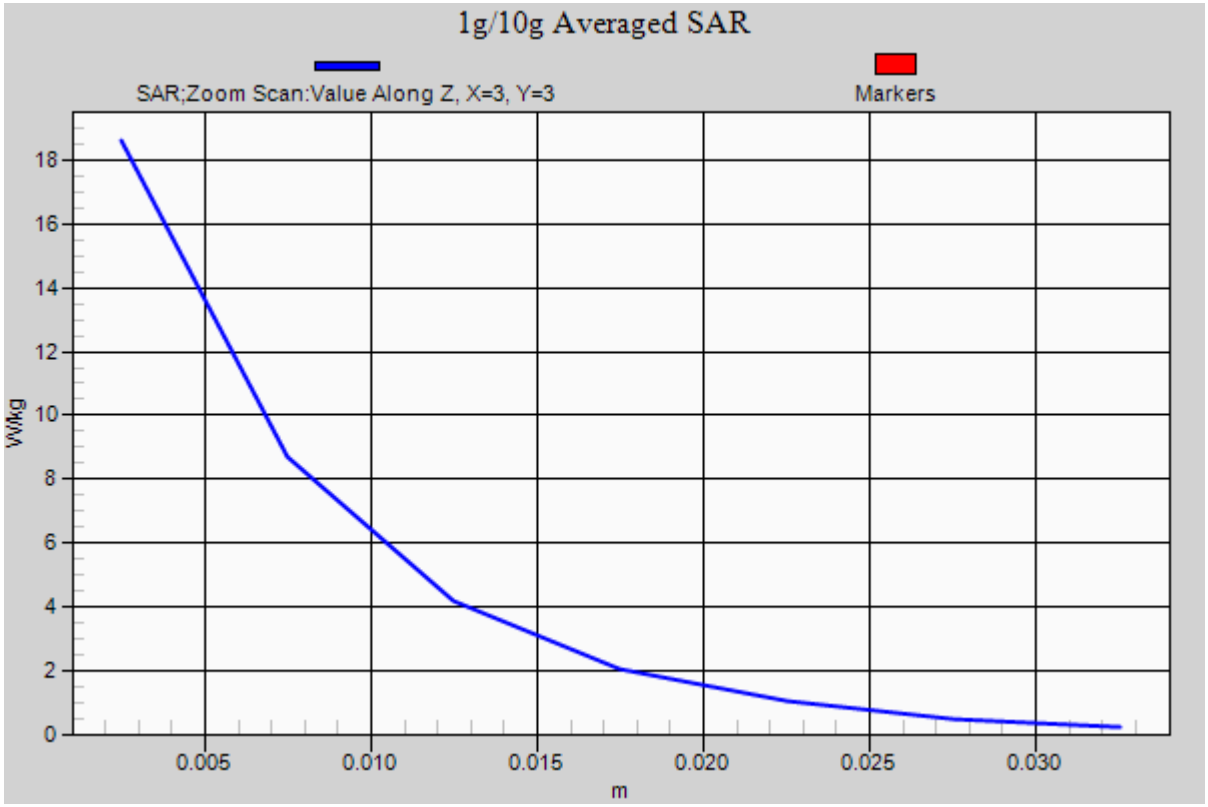
Communication System: UID 0, CW (0); Frequency: 2450 MHz;Duty Cycle: 1:1
Medium parameters used: f = 2450 MHz; σ = 1.836 S/m; ε_r = 38.015; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:
Probe: EX3DV4 - SN3866; ConvF(7.48, 7.48, 7.48); Calibrated: 5/31/2017; ; Electronics: DAE4 Sn1392
Sensor-Surface: 2mm (Mechanical Surface Detection)
Phantom: SAM (30deg probe tilt) with CRP v5.0; Type: QD000P40CD; Serial: TP:1679
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2017-08-17; Ambient Temp: 21.5; Tissue Temp: 22.0

2450 MHz System Verification

Area Scan (7x9x1): Measurement grid: dx=12mm, dy=12mm
Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Power Drift = -0.01 dB
Peak SAR (extrapolated) = 28.1 W/kg
SAR(1 g) = 13.1 W/kg; SAR(10 g) = 5.93 W/kg



DT&C Co., Ltd.

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

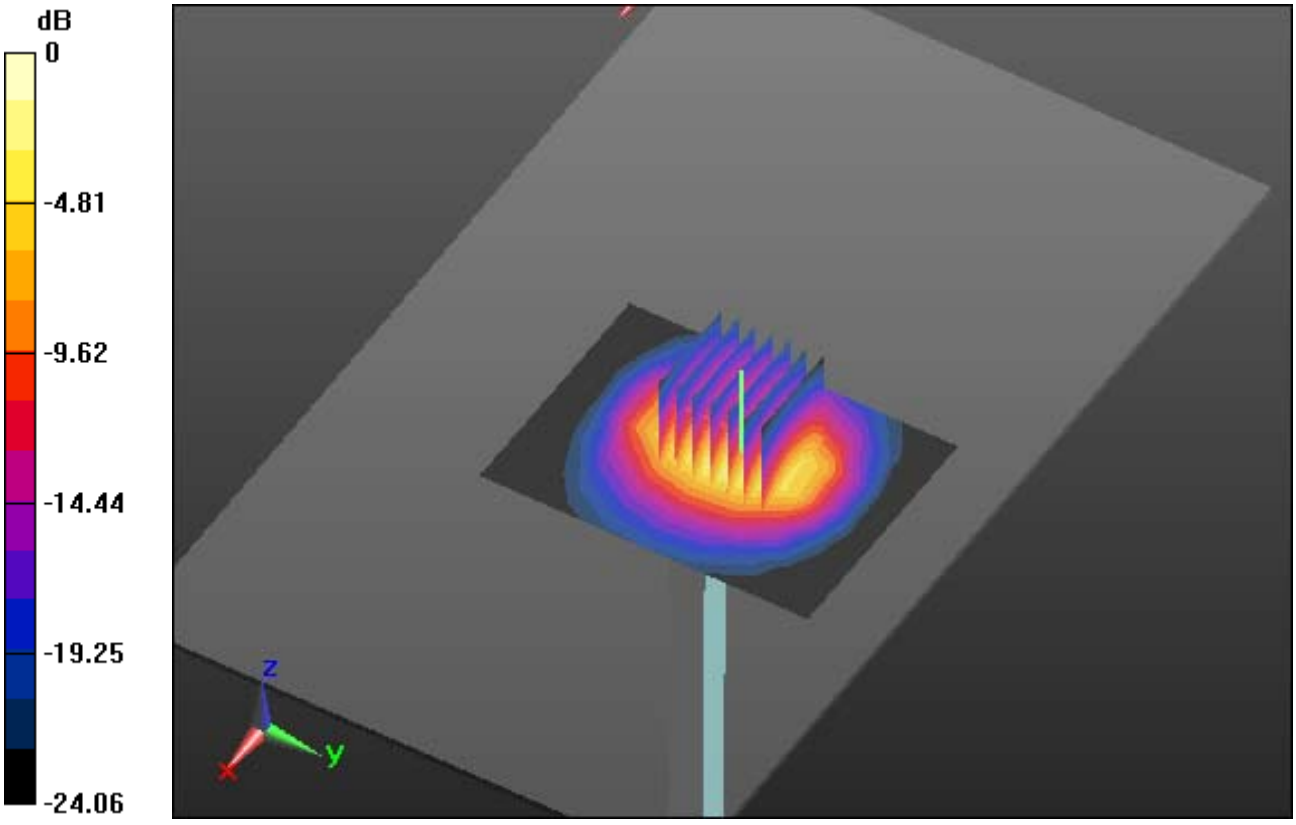
Communication System: UID 0, CW (0); Frequency: 2450 MHz;Duty Cycle: 1:1
Medium parameters used: f = 2450 MHz; σ = 1.982 S/m; ε_r = 51.936; ρ = 1000 kg/m^3
Phantom section: Center Section

DASY5 Configuration:
Probe: EX3DV4 - SN3866; ConvF(7.56, 7.56, 7.56); Calibrated: 5/31/2017; ; Electronics: DAE4 Sn1392
Sensor-Surface: 2mm (Mechanical Surface Detection)
Phantom: Triple Flat Phantom 5.1C; Type: QD 000 P51 CA; Serial: 1147
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2017-08-17; Ambient Temp: 21.5; Tissue Temp: 22.2

2450 MHz System Verification

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) = 29.5 W/kg
SAR(1 g) = 13.3 W/kg; SAR(10 g) = 6.2 W/kg



0 dB = 19.7 W/kg

DT&C Co., Ltd.

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

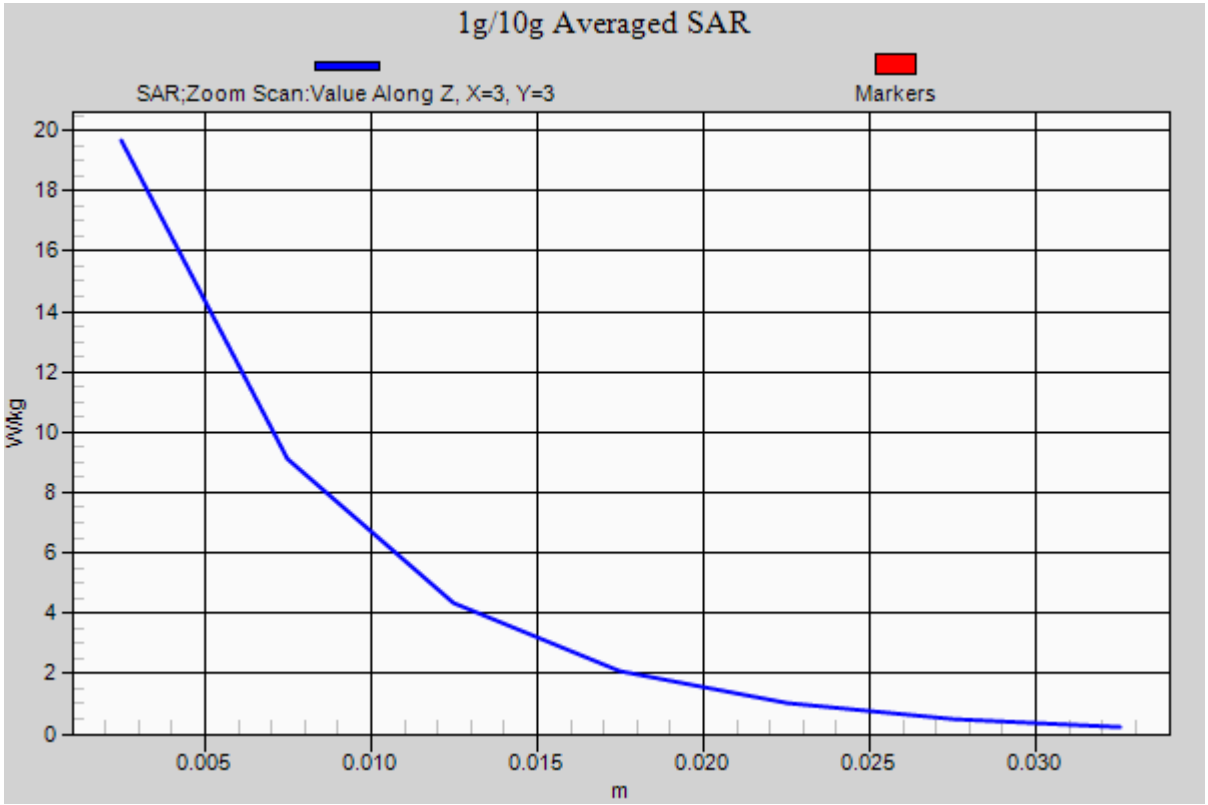
Communication System: UID 0, CW (0); Frequency: 2450 MHz;Duty Cycle: 1:1
Medium parameters used: f = 2450 MHz; σ = 1.982 S/m; ε_r = 51.936; ρ = 1000 kg/m^3
Phantom section: Center Section

DASY5 Configuration:
Probe: EX3DV4 - SN3866; ConvF(7.56, 7.56, 7.56); Calibrated: 5/31/2017; ; Electronics: DAE4 Sn1392
Sensor-Surface: 2mm (Mechanical Surface Detection)
Phantom: Triple Flat Phantom 5.1C; Type: QD 000 P51 CA; Serial: 1147
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2017-08-17; Ambient Temp: 21.5; Tissue Temp: 22.2

2450 MHz System Verification

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) = 29.5 W/kg
SAR(1 g) = 13.3 W/kg; SAR(10 g) = 6.2 W/kg



DT&C Co., Ltd.

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

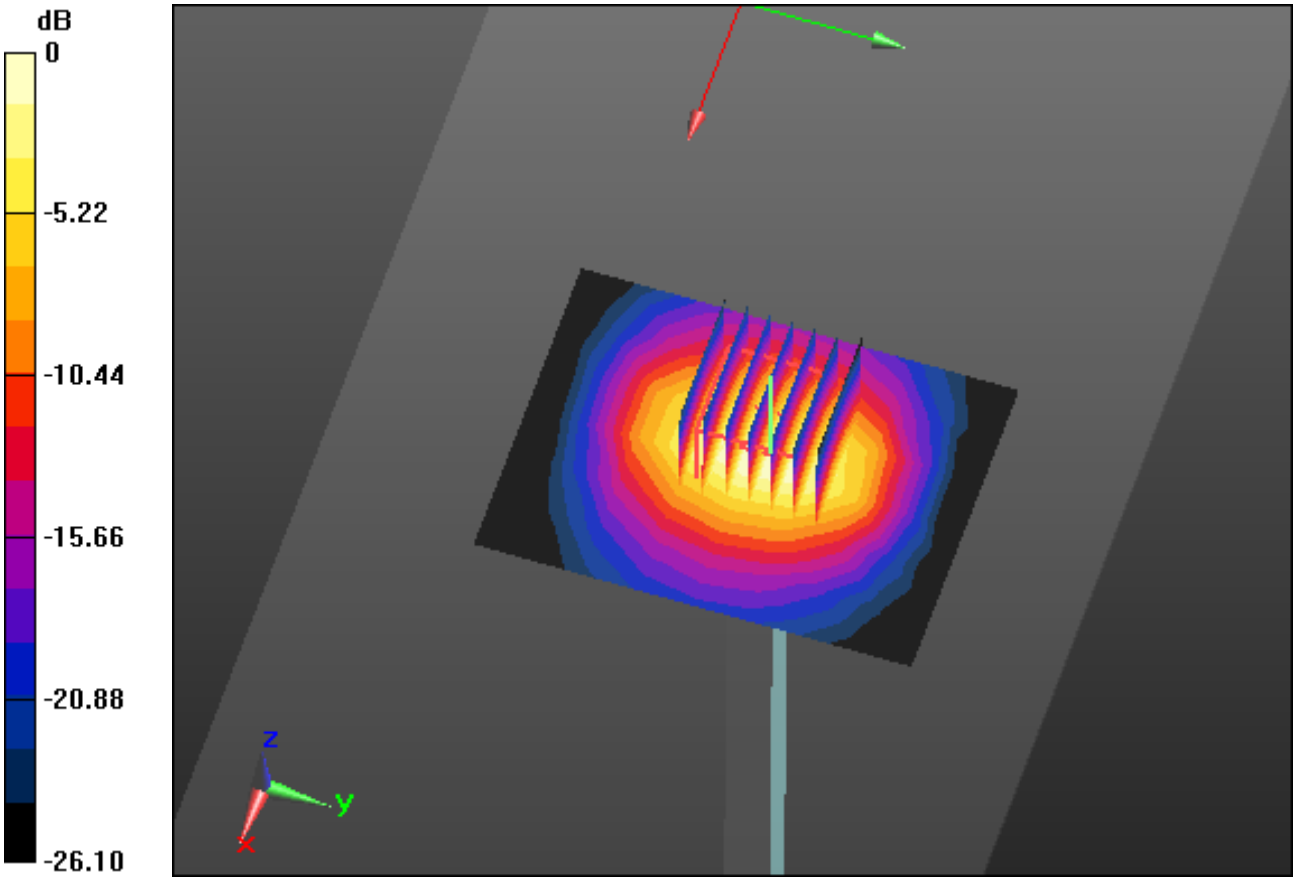
Communication System: UID 0, CW (0); Frequency: 2450 MHz;Duty Cycle: 1:1
Medium parameters used: f = 2450 MHz; σ = 1.96 S/m; ε_r = 51.276; ρ = 1000 kg/m^3
Phantom section: Center Section

DASY5 Configuration:
Probe: EX3DV4 - SN3866; ConvF(7.56, 7.56, 7.56); Calibrated: 2017-05-31; Electronics: DAE4 Sn1392
Sensor-Surface: 2mm (Mechanical Surface Detection)
Phantom: Triple Flat Phantom 5.1C; Type: QD 000 P51 CA; Serial: 1147
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2017-08-25; Ambient Temp: 21.4; Tissue Temp: 21.8

2450 MHz System Verification

Area Scan (7x9x1): Measurement grid: dx=12mm, dy=12mm
Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Power Drift = 0.04 dB
Peak SAR (extrapolated) = 31.1 W/kg
SAR(1 g) = 13.3 W/kg; SAR(10 g) = 5.84 W/kg



0 dB = 19.5 W/kg

DT&C Co., Ltd.

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

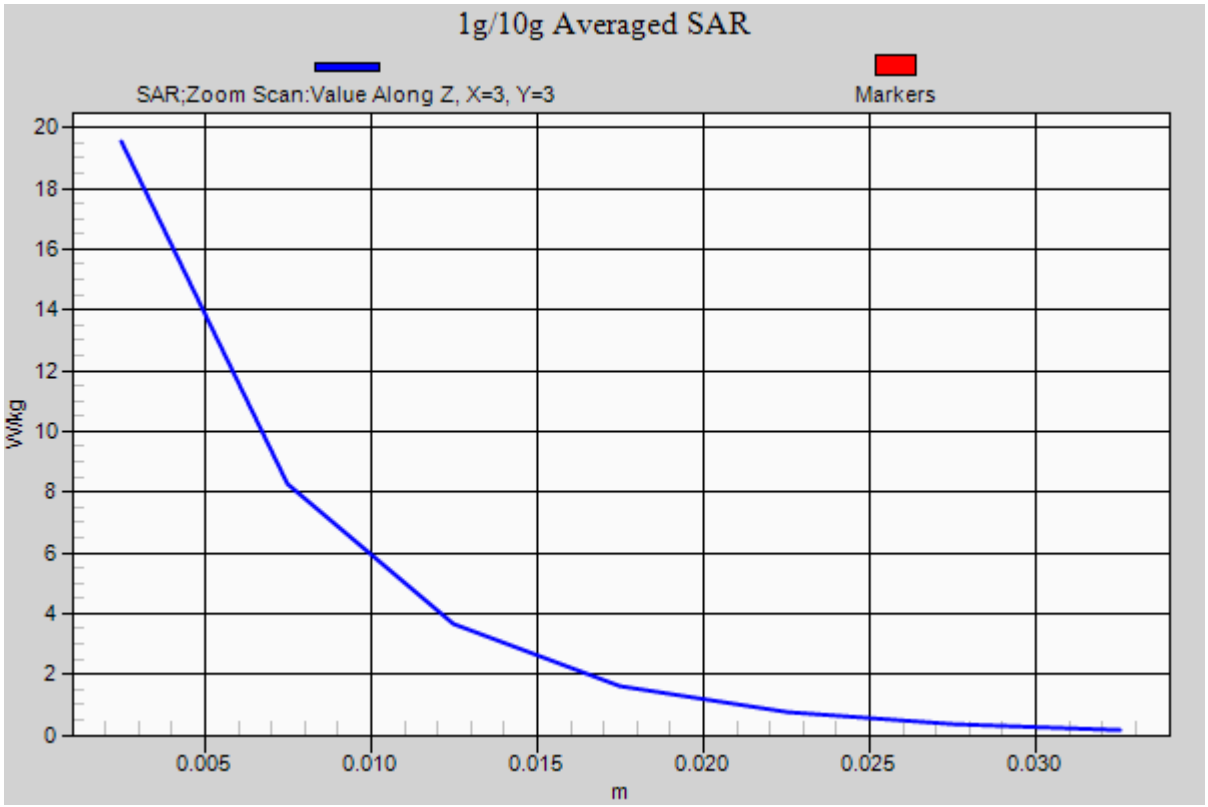
Communication System: UID 0, CW (0); Frequency: 2450 MHz;Duty Cycle: 1:1
Medium parameters used: f = 2450 MHz; σ = 1.96 S/m; ε_r = 51.276; ρ = 1000 kg/m^3
Phantom section: Center Section

DASY5 Configuration:
Probe: EX3DV4 - SN3866; ConvF(7.56, 7.56, 7.56); Calibrated: 2017-05-31; Electronics: DAE4 Sn1392
Sensor-Surface: 2mm (Mechanical Surface Detection)
Phantom: Triple Flat Phantom 5.1C; Type: QD 000 P51 CA; Serial: 1147
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2017-08-25; Ambient Temp: 21.4; Tissue Temp: 21.8

2450 MHz System Verification

Area Scan (7x9x1): Measurement grid: dx=12mm, dy=12mm
Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Power Drift = 0.04 dB
Peak SAR (extrapolated) = 31.1 W/kg
SAR(1 g) = 13.3 W/kg; SAR(10 g) = 5.84 W/kg



DT&C Co., Ltd.

DUT: LG-V300V; Type: Bar

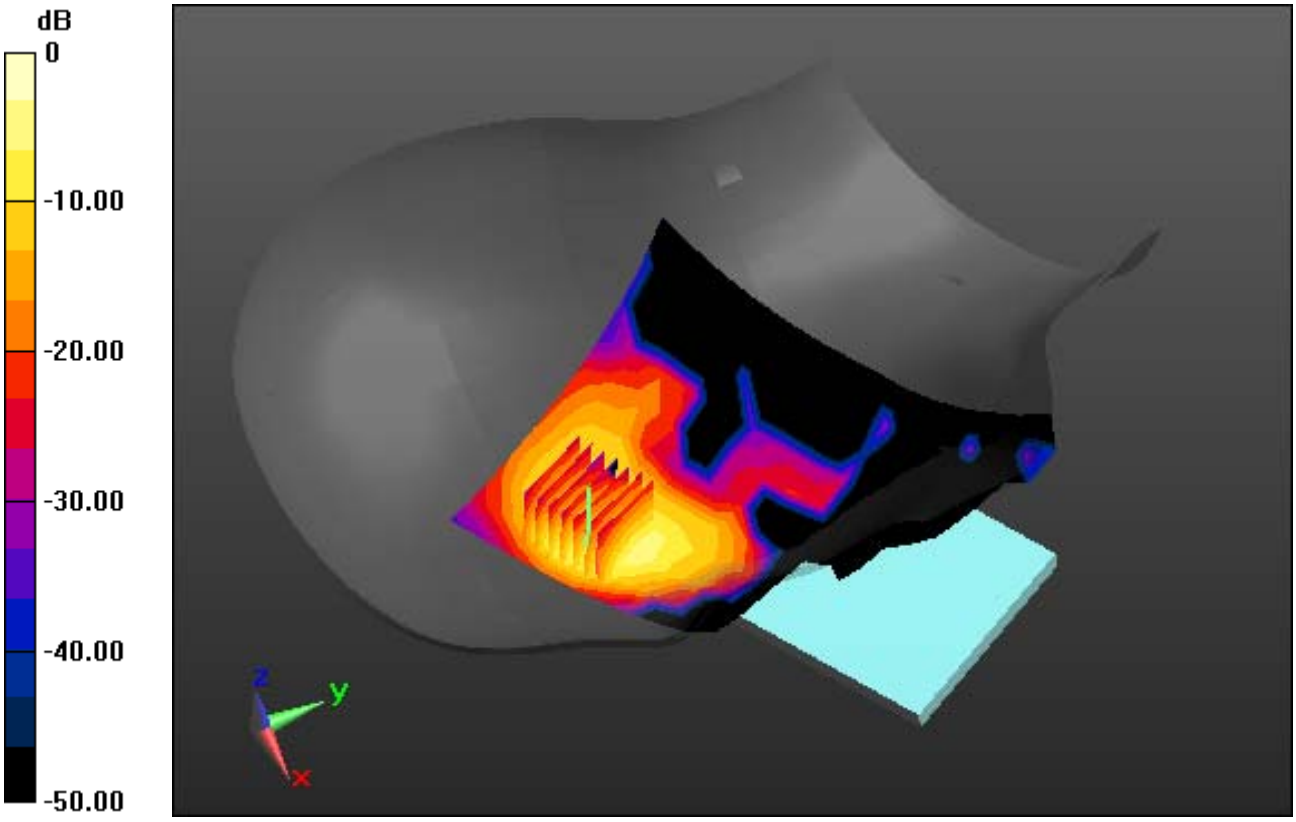
Communication System: UID 0, W-LAN (0); Frequency: 2437 MHz;Duty Cycle: 1:1
Medium parameters used: f = 2437 MHz; σ = 1.821 S/m; ε_r = 38.072; ρ = 1000 kg/m^3
Phantom section: Right Section

DASY5 Configuration:
Probe: EX3DV4 - SN3866; ConvF(7.48, 7.48, 7.48); Calibrated: 5/31/2017; Electronics: DAE4 Sn1392
Sensor-Surface: 2mm (Mechanical Surface Detection)
Phantom: Twin-SAM V5.0 (30deg probe tilt); Type: QD 000 P40 CD; Serial: 1679
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2017-08-17; Ambient Temp: 21.5; Tissue Temp: 22.0

Right Touch, W-LAN(2.4G 802.11b) Ch. 6, Ant Internal, Standard Battery

Area Scan (11x17x1): 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) = 1.18 W/kg
SAR(1 g) = 0.431 W/kg; SAR(10 g) = 0.164 W/kg



0 dB = 0.747 W/kg

DT&C Co., Ltd.

DUT: LG-V300V; Type: Bar

Communication System: UID 0, W-LAN (0); Frequency: 2437 MHz;Duty Cycle: 1:1
Medium parameters used: f = 2437 MHz; σ = 1.821 S/m; ε_r = 38.072; ρ = 1000 kg/m^3
Phantom section: Right Section

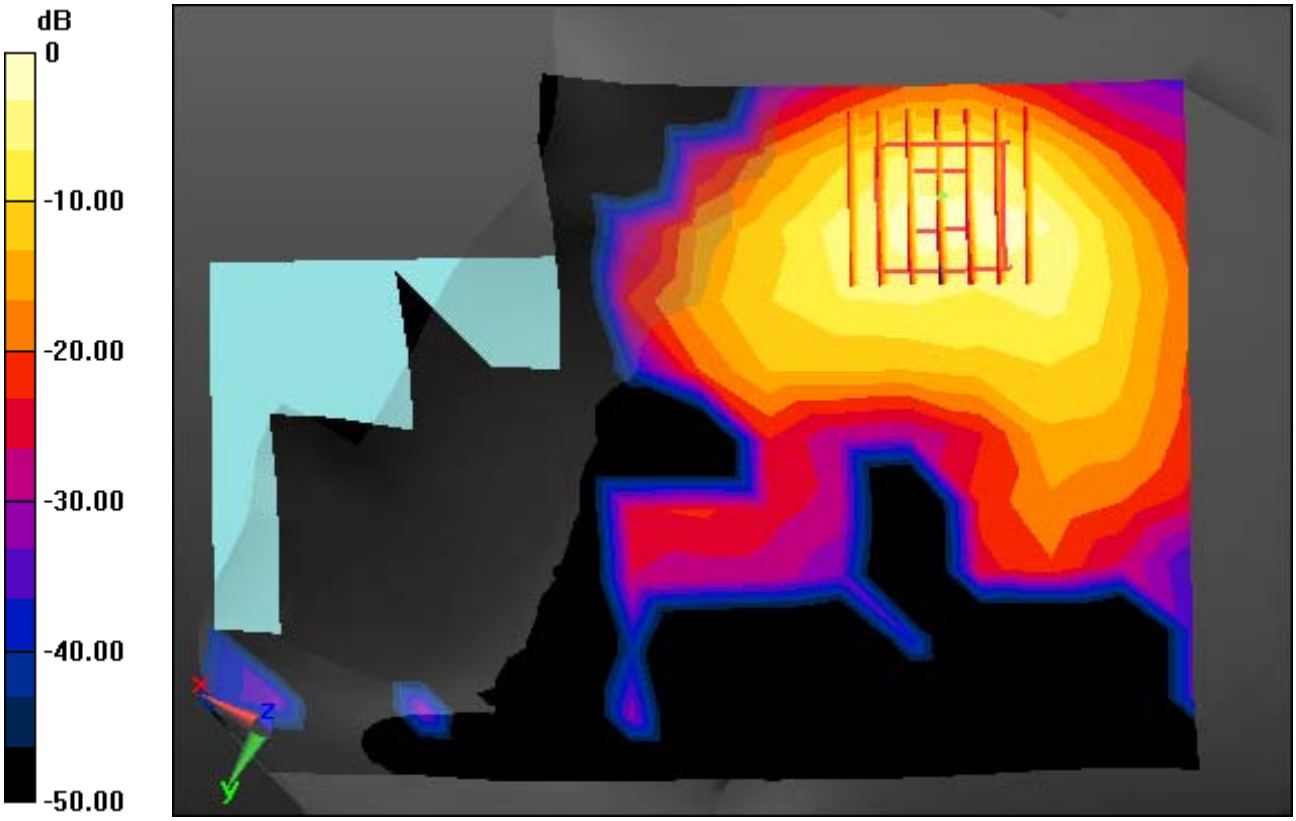
DASY5 Configuration:
Probe: EX3DV4 - SN3866; ConvF(7.48, 7.48, 7.48); Calibrated: 5/31/2017; Electronics: DAE4 Sn1392
Sensor-Surface: 2mm (Mechanical Surface Detection)
Phantom: Twin-SAM V5.0 (30deg probe tilt); Type: QD 000 P40 CD; Serial: 1679
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2017-08-17; Ambient Temp: 21.5; Tissue Temp: 22.0

Right Touch, W-LAN(2.4G 802.11b) Ch. 6, Ant Internal, Standard Battery

With Enlarge Plot image

Area Scan (11x17x1): 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) = 1.18 W/kg
SAR(1 g) = 0.431 W/kg; SAR(10 g) = 0.164 W/kg



0 dB = 0.747 W/kg

DT&C Co., Ltd.

DUT: LG-V300V; Type: Bar

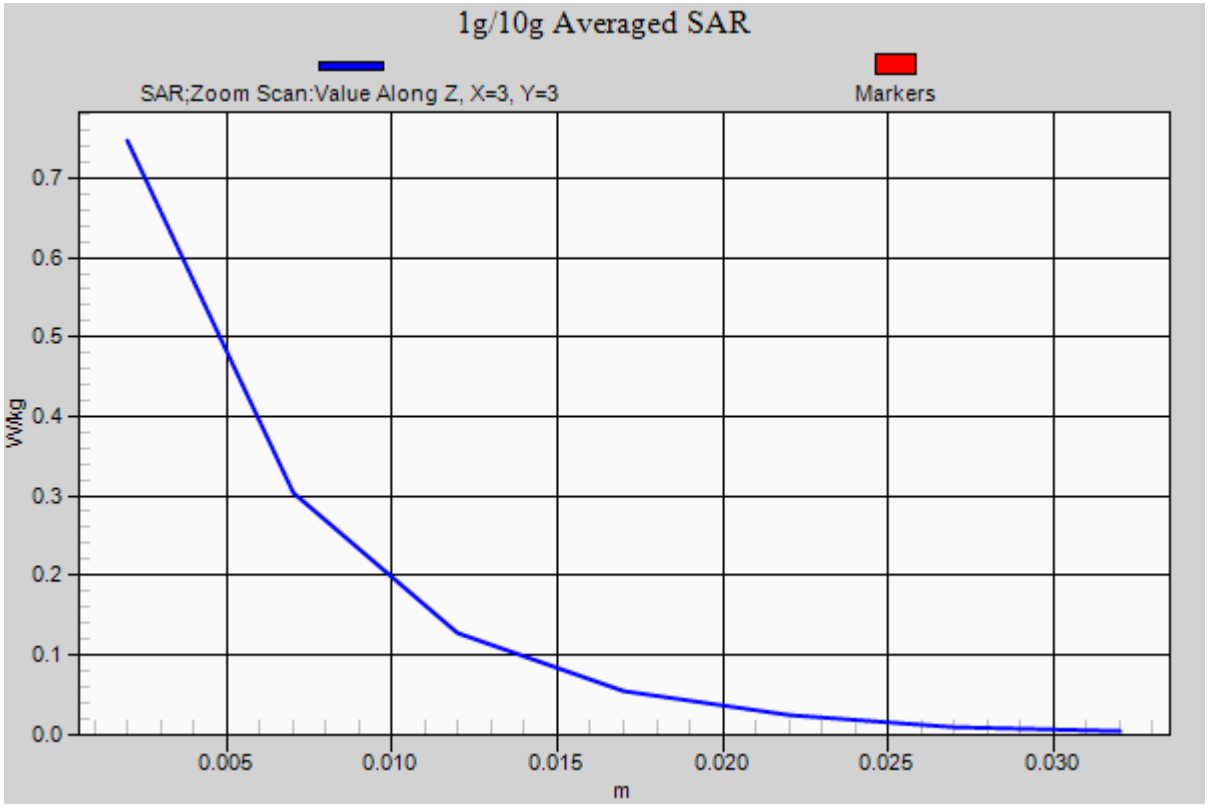
Communication System: UID 0, W-LAN (0); Frequency: 2437 MHz;Duty Cycle: 1:1
Medium parameters used: f = 2437 MHz; σ = 1.821 S/m; ε_r = 38.072; ρ = 1000 kg/m^3
Phantom section: Right Section

DASY5 Configuration:
Probe: EX3DV4 - SN3866; ConvF(7.48, 7.48, 7.48); Calibrated: 5/31/2017; Electronics: DAE4 Sn1392
Sensor-Surface: 2mm (Mechanical Surface Detection)
Phantom: Twin-SAM V5.0 (30deg probe tilt); Type: QD 000 P40 CD; Serial: 1679
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2017-08-17; Ambient Temp: 21.5; Tissue Temp: 22.0

Right Touch, W-LAN(2.4G 802.11b) Ch. 6, Ant Internal, Standard Battery

Area Scan (11x17x1): 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) = 1.18 W/kg
SAR(1 g) = 0.431 W/kg; SAR(10 g) = 0.164 W/kg



DT&C Co., Ltd.

DUT: LG-V300V; Type: Bar

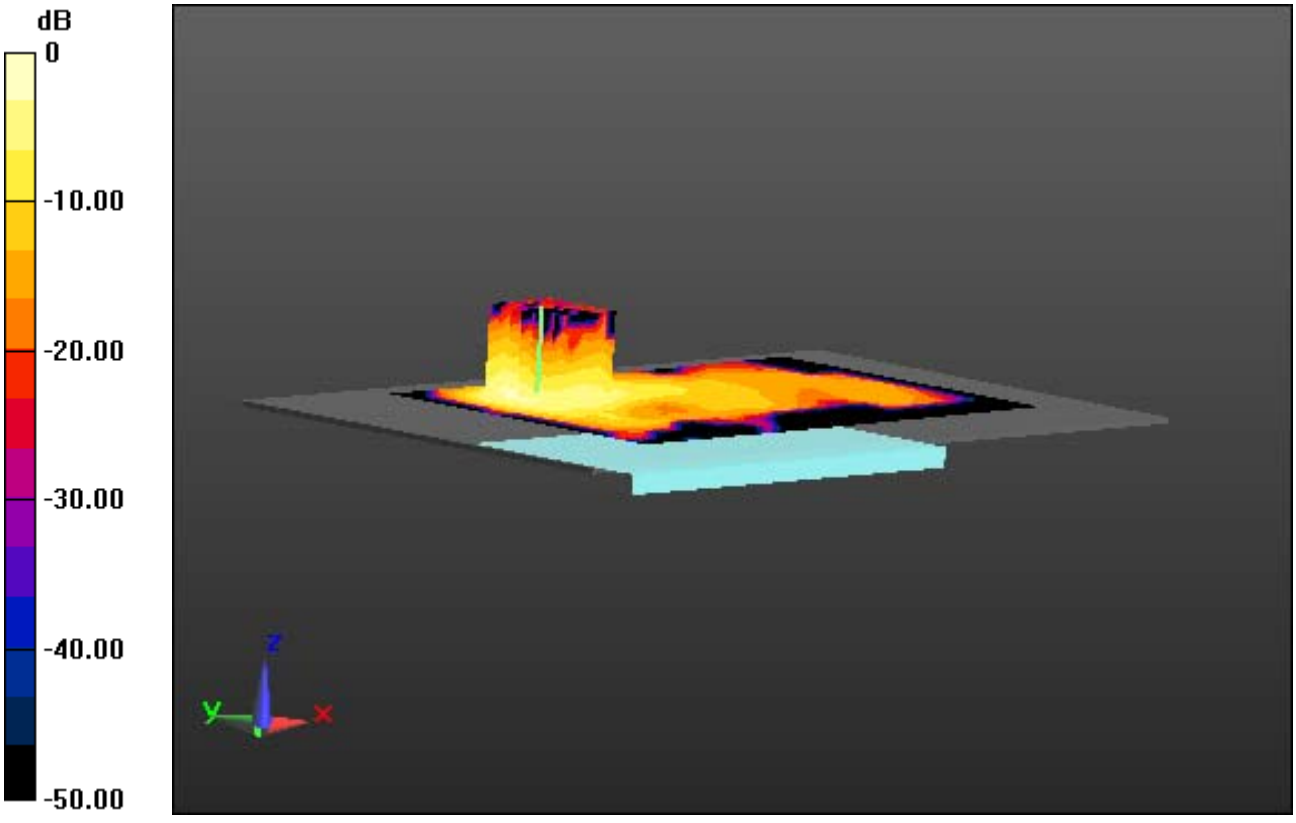
Communication System: UID 0, W-LAN (0); Frequency: 2437 MHz;Duty Cycle: 1:1
Medium parameters used: f = 2437 MHz; σ = 1.966 S/m; ε_r = 51.966; ρ = 1000 kg/m^3
Phantom section: Center Section

DASY5 Configuration:
Probe: EX3DV4 - SN3866; ConvF(7.56, 7.56, 7.56); Calibrated: 5/31/2017; Electronics: DAE4 Sn1392
Sensor-Surface: 2mm (Mechanical Surface Detection)
Phantom: Triple Flat Phantom 5.1C; Type: QD 000 P51 CA; Serial: 1147
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2017-08-17; Ambient Temp; 21.5; Tissue Temp: 22.2

1 cm space from Body, Rear, W-LAN(2.4G 802.11b) Ch. 6, Ant Internal

Area Scan (17x11x1): Measurement grid: dx=12mm, dy=12mm
Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Power Drift = -0.05 dB
Peak SAR (extrapolated) = 0.205 W/kg
SAR(1 g) = 0.098 W/kg; SAR(10 g) = 0.046 W/kg



0 dB = 0.152 W/kg

DT&C Co., Ltd.

DUT: LG-V300V; Type: Bar

Communication System: UID 0, W-LAN (0); Frequency: 2437 MHz;Duty Cycle: 1:1
Medium parameters used: f = 2437 MHz; σ = 1.966 S/m; ε_r = 51.966; ρ = 1000 kg/m^3
Phantom section: Center Section

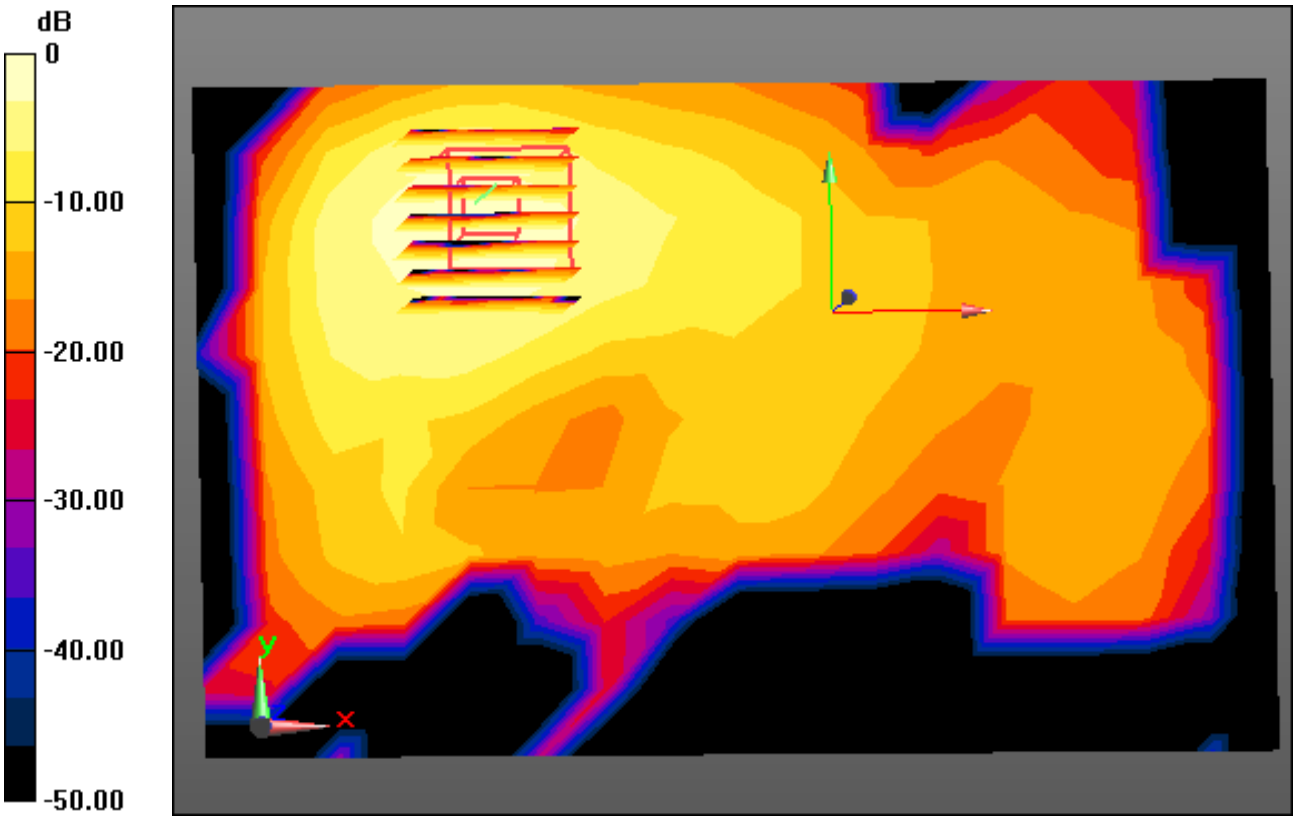
DASY5 Configuration:
Probe: EX3DV4 - SN3866; ConvF(7.56, 7.56, 7.56); Calibrated: 5/31/2017; Electronics: DAE4 Sn1392
Sensor-Surface: 2mm (Mechanical Surface Detection)
Phantom: Triple Flat Phantom 5.1C; Type: QD 000 P51 CA; Serial: 1147
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2017-08-17; Ambient Temp; 21.5; Tissue Temp: 22.2

1 cm space from Body, Rear, W-LAN(2.4G 802.11b) Ch. 6, Ant Internal

With Enlarge Plot image

Area Scan (17x11x1): Measurement grid: dx=12mm, dy=12mm
Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Power Drift = -0.05 dB
Peak SAR (extrapolated) = 0.205 W/kg
SAR(1 g) = 0.098 W/kg; SAR(10 g) = 0.046 W/kg



0 dB = 0.152 W/kg

DT&C Co., Ltd.

DUT: LG-V300V; Type: Bar

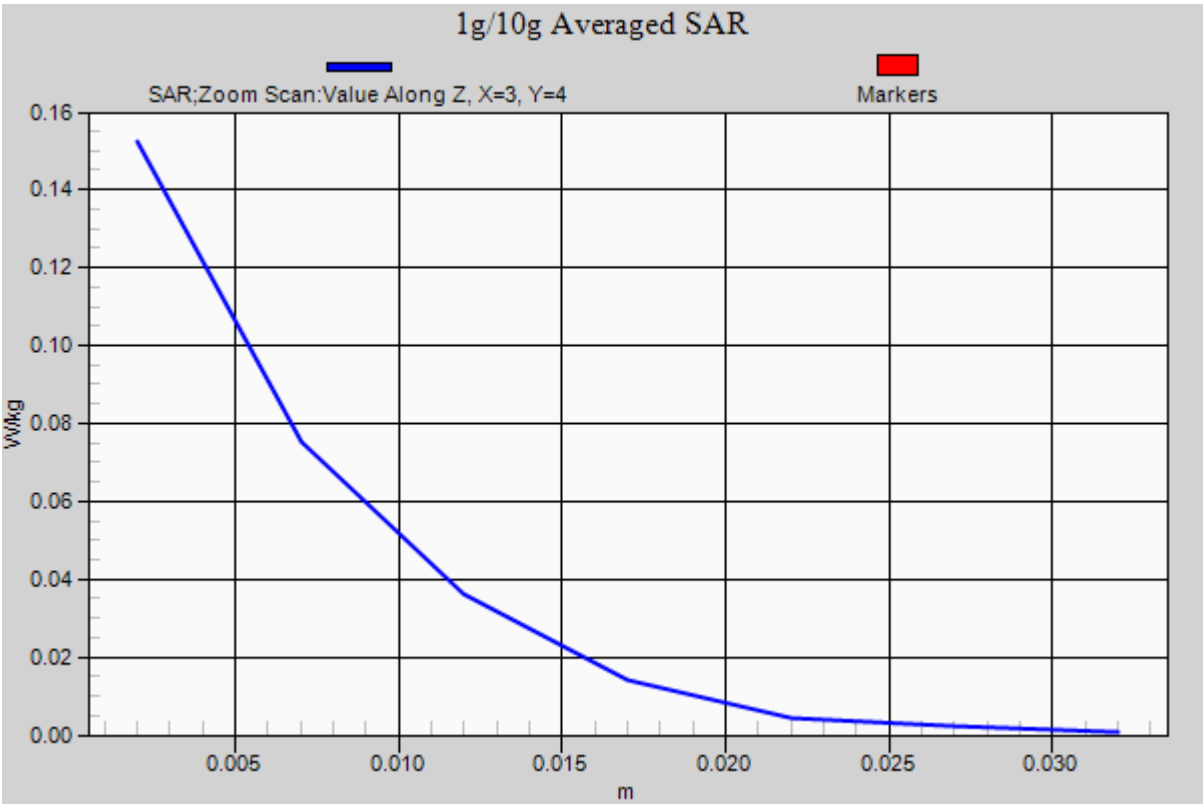
Communication System: UID 0, W-LAN (0); Frequency: 2437 MHz;Duty Cycle: 1:1
Medium parameters used: f = 2437 MHz; σ = 1.966 S/m; ε_r = 51.966; ρ = 1000 kg/m^3
Phantom section: Center Section

DASY5 Configuration:
Probe: EX3DV4 - SN3866; ConvF(7.56, 7.56, 7.56); Calibrated: 5/31/2017; Electronics: DAE4 Sn1392
Sensor-Surface: 2mm (Mechanical Surface Detection)
Phantom: Triple Flat Phantom 5.1C; Type: QD 000 P51 CA; Serial: 1147
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2017-08-17; Ambient Temp; 21.5; Tissue Temp: 22.2

1 cm space from Body, Rear, W-LAN(2.4G 802.11b) Ch. 6, Ant Internal

Area Scan (17x11x1): Measurement grid: dx=12mm, dy=12mm
Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Power Drift = -0.05 dB
Peak SAR (extrapolated) = 0.205 W/kg
SAR(1 g) = 0.098 W/kg; SAR(10 g) = 0.046 W/kg



DT&C Co., Ltd.

DUT: LG-V300V; Type: Bar

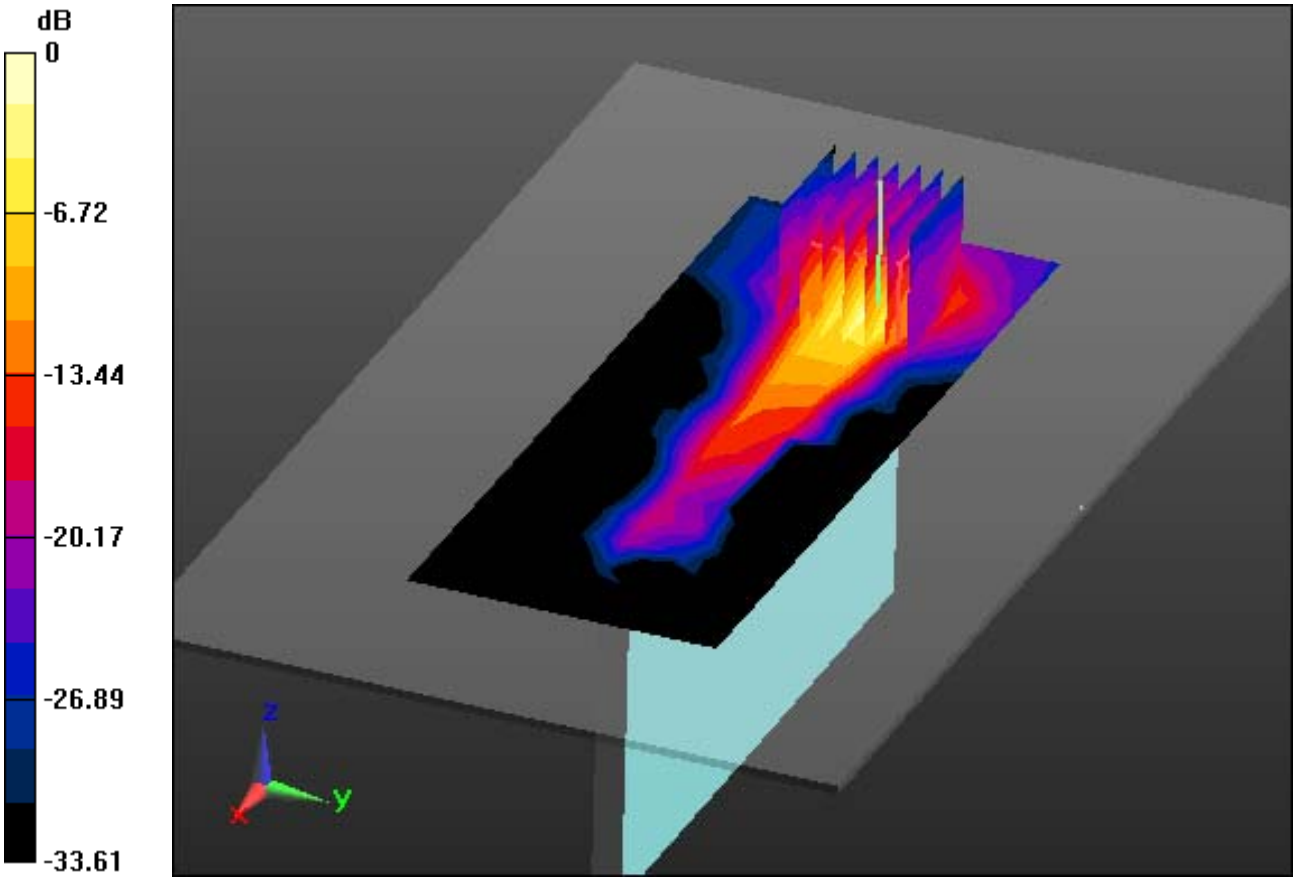
Communication System: UID 0, W-LAN (0); Frequency: 2437 MHz;Duty Cycle: 1:1
Medium parameters used: f = 2437 MHz; σ = 1.946 S/m; ε_r = 51.309; ρ = 1000 kg/m^3
Phantom section: Center Section

DASY5 Configuration:
Probe: EX3DV4 - SN3866; ConvF(7.56, 7.56, 7.56); Calibrated: 2017-05-31; Electronics: DAE4 Sn1392
Sensor-Surface: 2mm (Mechanical Surface Detection)
Phantom: Triple Flat Phantom 5.1C; Type: QD 000 P51 CA; Serial: 1147
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2017-08-25; Ambient Temp: 21.4; Tissue Temp: 21.8

Touch from Body, Left, W-LAN(2.4G 802.11b) Ch. 6 Ant Internal

Area Scan (17x7x1): Measurement grid: dx=12mm, dy=12mm
Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Power Drift = 0.05 dB
Peak SAR (extrapolated) = 2.93 W/kg
SAR(1 g) = 0.963 W/kg; SAR(10 g) = 0.310 W/kg



0 dB = 1.92 W/kg

DT&C Co., Ltd.

DUT: LG-V300V; Type: Bar

Communication System: UID 0, W-LAN (0); Frequency: 2437 MHz;Duty Cycle: 1:1
Medium parameters used: f = 2437 MHz; σ = 1.946 S/m; ε_r = 51.309; ρ = 1000 kg/m^3
Phantom section: Center Section

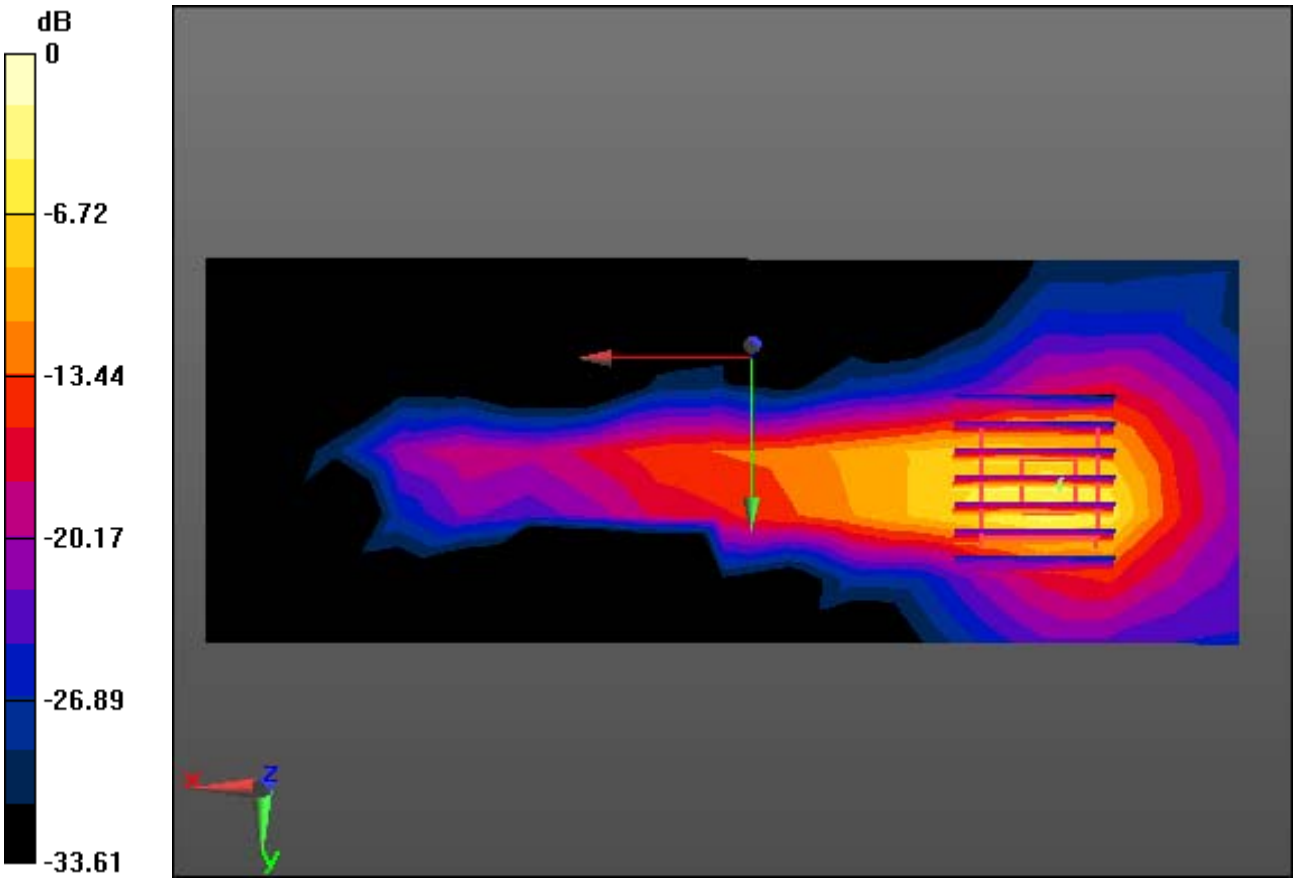
DASY5 Configuration:
Probe: EX3DV4 - SN3866; ConvF(7.56, 7.56, 7.56); Calibrated: 2017-05-31; Electronics: DAE4 Sn1392
Sensor-Surface: 2mm (Mechanical Surface Detection)
Phantom: Triple Flat Phantom 5.1C; Type: QD 000 P51 CA; Serial: 1147
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2017-08-25; Ambient Temp: 21.4; Tissue Temp: 21.8

Touch from Body, Left, W-LAN(2.4G 802.11b) Ch. 6 Ant Internal

With Enlarge Plot image

Area Scan (17x7x1): Measurement grid: dx=12mm, dy=12mm
Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Power Drift = 0.05 dB
Peak SAR (extrapolated) = 2.93 W/kg
SAR(1 g) = 0.963 W/kg; SAR(10 g) = 0.310 W/kg



0 dB = 1.92 W/kg

DT&C Co., Ltd.

DUT: LG-V300V; Type: Bar

Communication System: UID 0, W-LAN (0); Frequency: 2437 MHz;Duty Cycle: 1:1
Medium parameters used: f = 2437 MHz; σ = 1.946 S/m; ε_r = 51.309; ρ = 1000 kg/m^3
Phantom section: Center Section

DASY5 Configuration:
Probe: EX3DV4 - SN3866; ConvF(7.56, 7.56, 7.56); Calibrated: 2017-05-31; Electronics: DAE4 Sn1392
Sensor-Surface: 2mm (Mechanical Surface Detection)
Phantom: Triple Flat Phantom 5.1C; Type: QD 000 P51 CA; Serial: 1147
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2017-08-25; Ambient Temp: 21.4; Tissue Temp: 21.8

Touch from Body, Left, W-LAN(2.4G 802.11b) Ch. 6 Ant Internal

Area Scan (17x7x1): Measurement grid: dx=12mm, dy=12mm
Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Power Drift = 0.05 dB
Peak SAR (extrapolated) = 2.93 W/kg
SAR(1 g) = 0.963 W/kg; SAR(10 g) = 0.310 W/kg