SAR Plots

- Verification Plots
- SAR Test Plots

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DT&C Co., Ltd.

DUT: Dipole 750 MHz; Type: D750V3; Serial: D750V3 - SN:1049

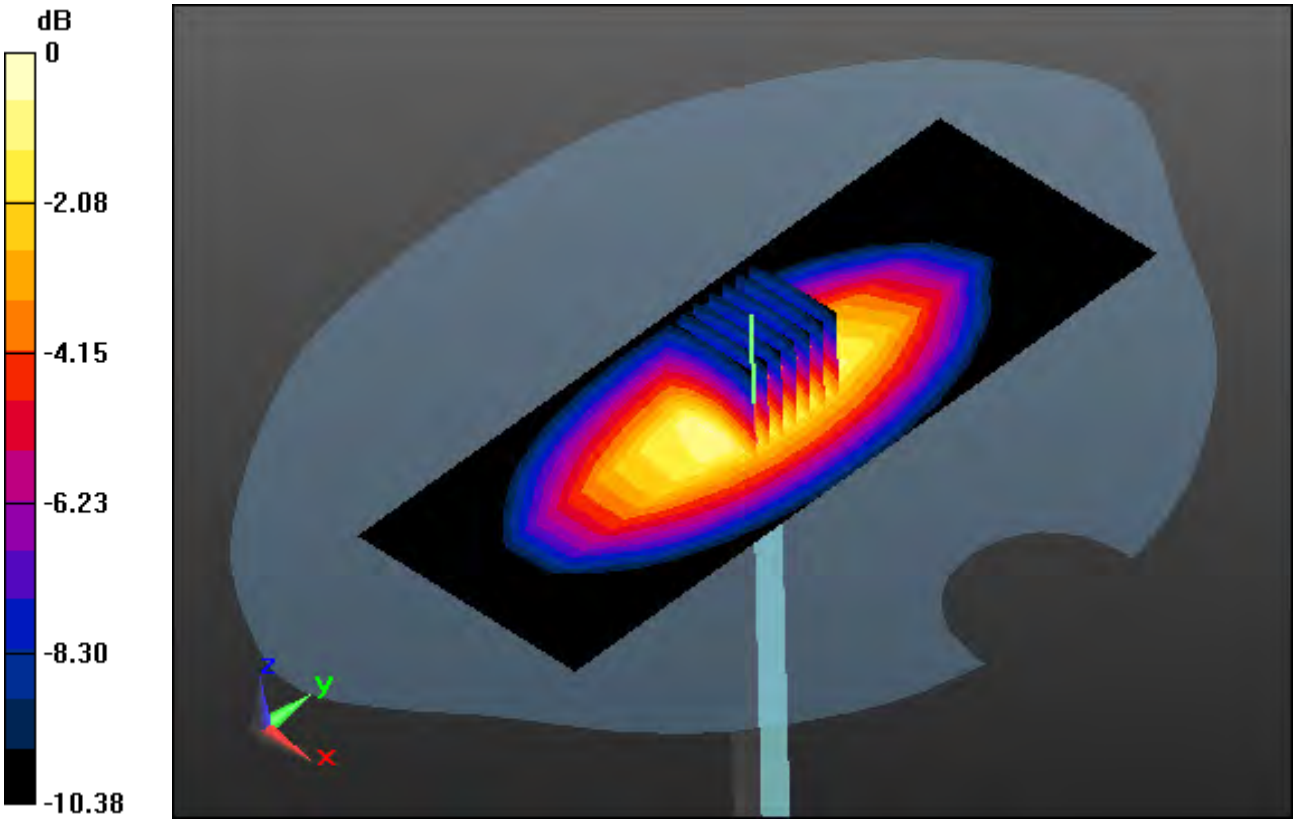
Communication System: UID 0, CW (0); Frequency: 750 MHz;Duty Cycle: 1:1
Medium parameters used: f = 750 MHz; σ = 0.895 S/m; ε_r = 41.122; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:
Probe: EX3DV4 - SN3933; ConvF(10.76, 10.76, 10.76); Calibrated: 9/25/2018; Electronics: DAE4 Sn1396
Sensor-Surface: 2mm (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: 2018-12-27; Ambient Temp: 20.6; Tissue Temp: 21.4

750 MHz System Head Verification (250mW)

Area Scan (6x15x1): Measurement grid: dx=15mm, dy=15mm
Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Power Drift = -0.04 dB
Peak SAR (extrapolated) = 2.90 W/kg
SAR(1 g) = 1.96 W/kg; SAR(10 g) = 1.29 W/kg



0 dB = 2.48 W/kg

DT&C Co., Ltd.

DUT: Dipole 750 MHz; Type: D750V3; Serial: D750V3 - SN:1049

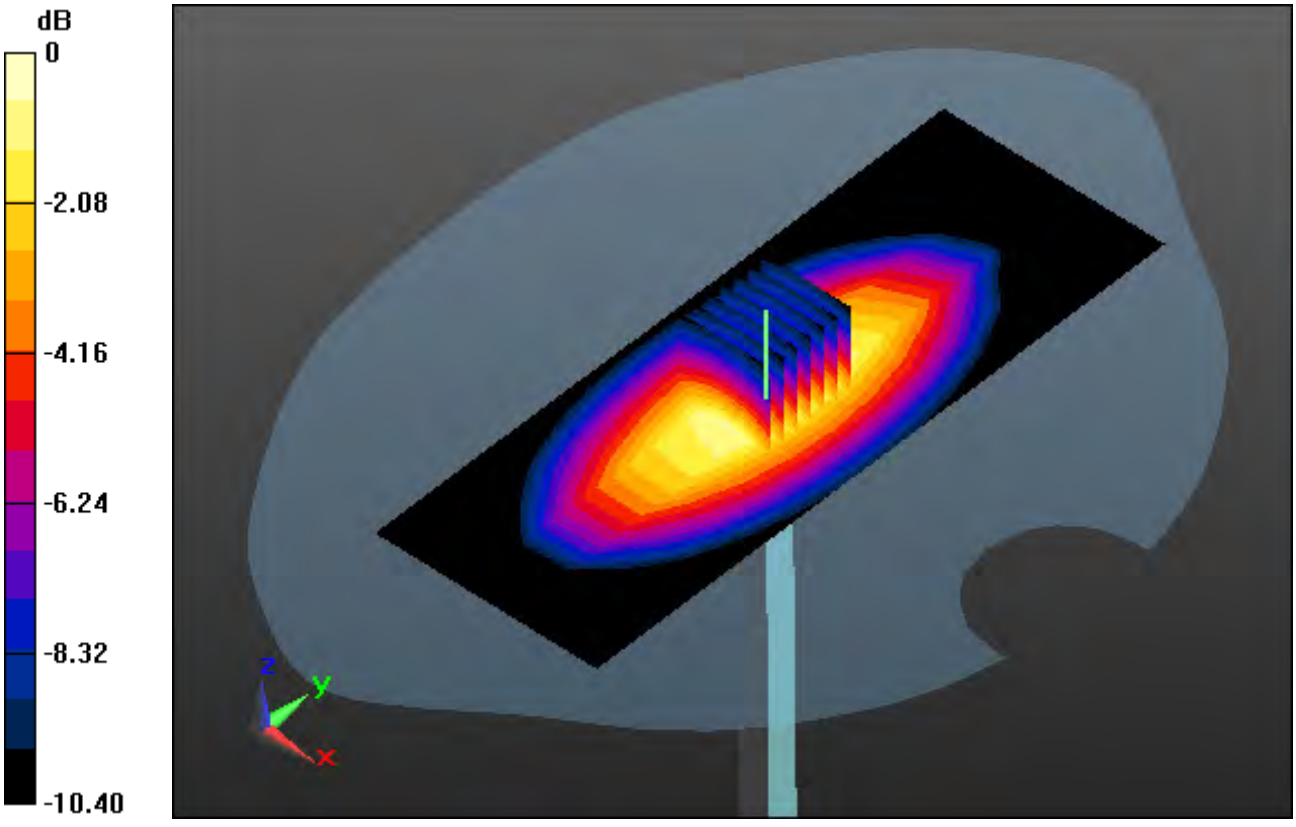
Communication System: UID 0, CW (0); Frequency: 750 MHz;Duty Cycle: 1:1
Medium parameters used: f = 750 MHz; σ = 0.965 S/m; ε_r = 54.948; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:
Probe: EX3DV4 - SN3933; ConvF(10.43, 10.43, 10.43); Calibrated: 9/25/2018; Electronics: DAE4 Sn1396
Sensor-Surface: 2mm (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: 2018-12-27; Ambient Temp: 20.6; Tissue Temp: 21.3

750 MHz System Body Verification (250mW)

Area Scan (6x15x1): Measurement grid: dx=15mm, dy=15mm
Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Power Drift = -0.04 dB
Peak SAR (extrapolated) = 3.24 W/kg
SAR(1 g) = 2.18 W/kg; SAR(10 g) = 1.43 W/kg



0 dB = 2.77 W/kg

DT&C Co., Ltd.

DUT: Dipole 835 MHz; Type: D835V2; Serial: D835V2 - SN:4d159

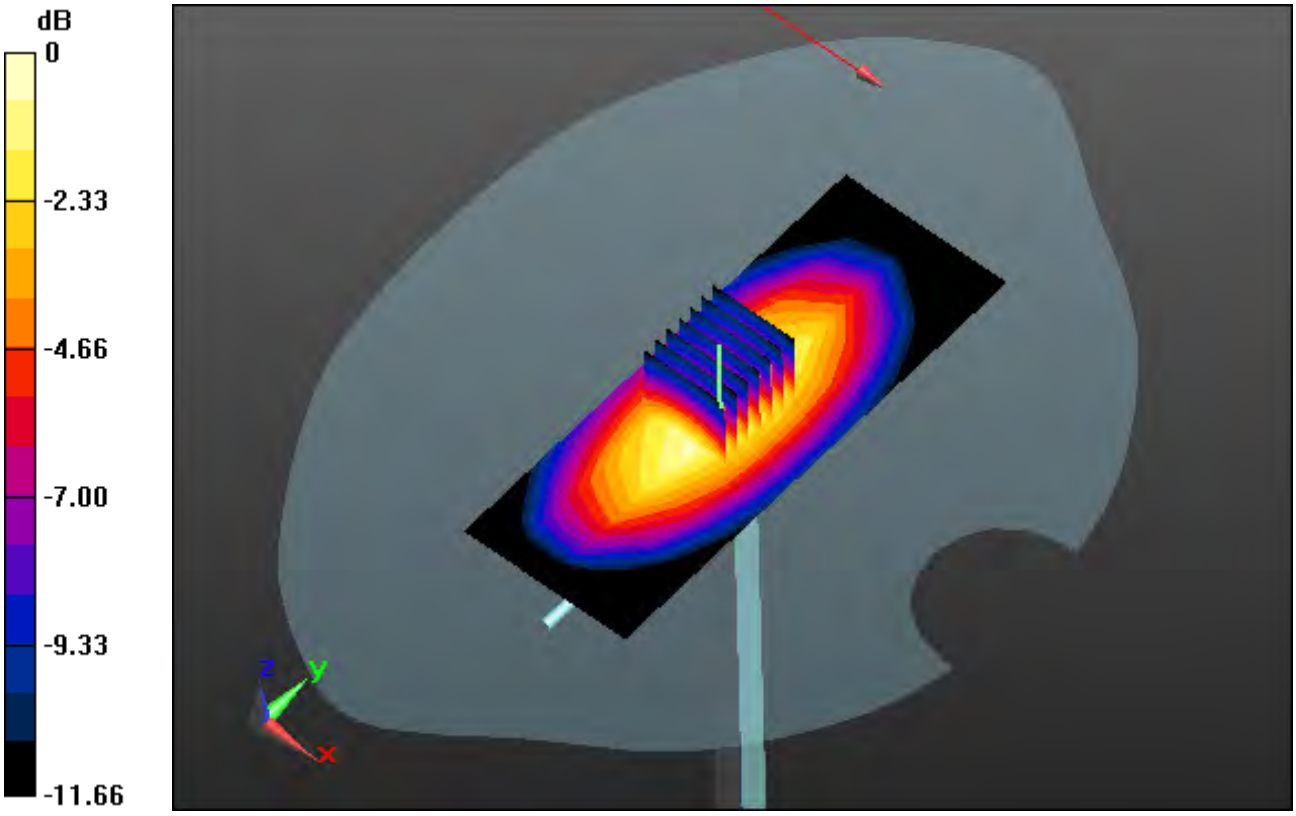
Communication System: UID 0, CW (0); Frequency: 835 MHz;Duty Cycle: 1:1
Medium parameters used: f = 835 MHz; σ = 0.88 S/m; ε_r = 41.337; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:
Probe: EX3DV4 - SN3933; ConvF(10.26, 10.26, 10.26); Calibrated: 9/25/2018; Electronics: DAE4 Sn1396
Sensor-Surface: 2mm (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: 2018-12-28; Ambient Temp: 20.2; Tissue Temp: 21.1

835 MHz System Head Verification (250mW)

Area Scan (5x12x1): Measurement grid: dx=15mm, dy=15mm
Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Power Drift = -0.02 dB
Peak SAR (extrapolated) = 3.53 W/kg
SAR(1 g) = 2.26 W/kg; SAR(10 g) = 1.47 W/kg



0 dB = 2.89 W/kg

DT&C Co., Ltd.

DUT: Dipole 835 MHz; Type: D835V2; Serial: D835V2 - SN:4d159

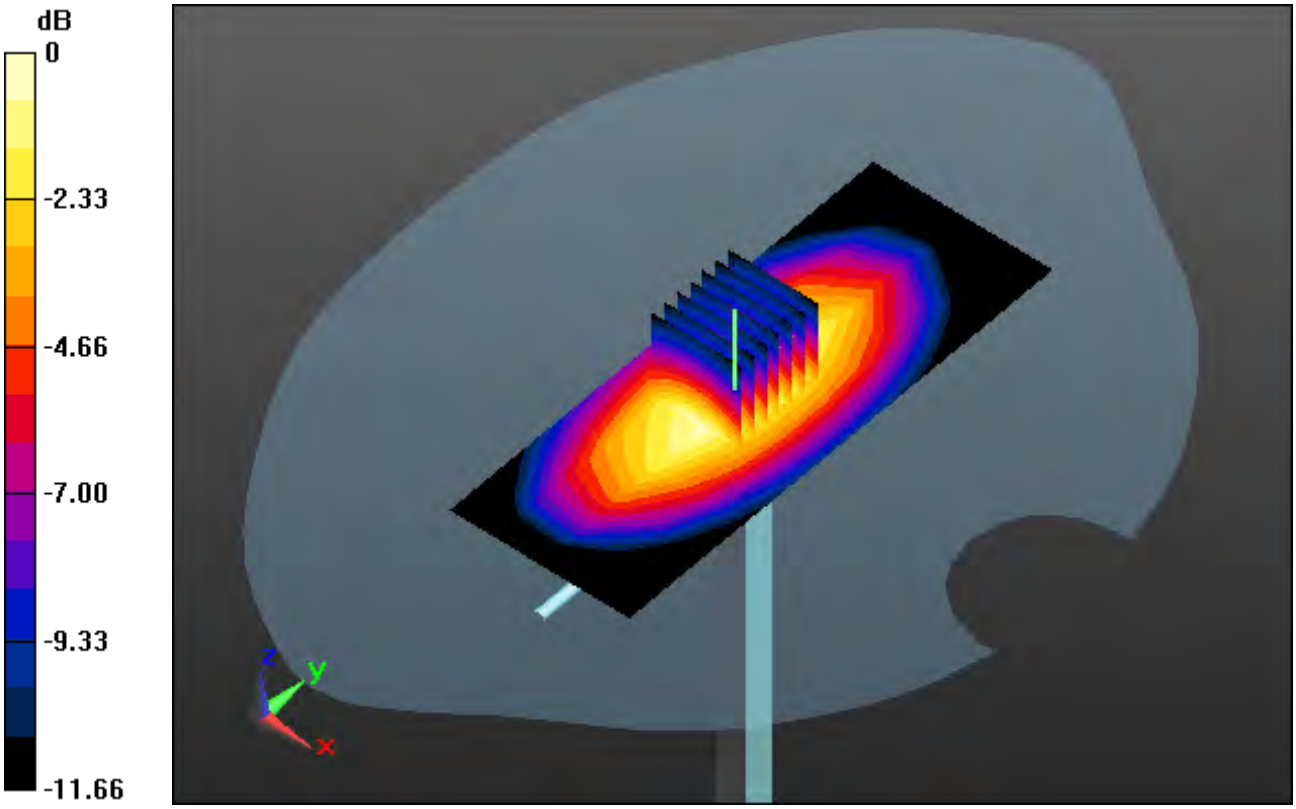
Communication System: UID 0, CW (0); Frequency: 835 MHz;Duty Cycle: 1:1
Medium parameters used: f = 835 MHz; σ = 0.991 S/m; ε_r = 53.892; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:
Probe: EX3DV4 - SN3933; ConvF(10.27, 10.27, 10.27); Calibrated: 9/25/2018; Electronics: DAE4 Sn1396
Sensor-Surface: 2mm (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: 2018-12-28; Ambient Temp: 20.2; Tissue Temp: 21.0

835 MHz System Body Verification (250mW)

Area Scan (5x12x1): Measurement grid: dx=15mm, dy=15mm
Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Power Drift = 0.02 dB
Peak SAR (extrapolated) = 3.66 W/kg
SAR(1 g) = 2.37 W/kg; SAR(10 g) = 1.5 W/kg



0 dB = 3.06 W/kg

DT&C Co., Ltd.

DUT: Dipole 835 MHz; Type: D835V2; Serial: D835V2 - SN:4d159

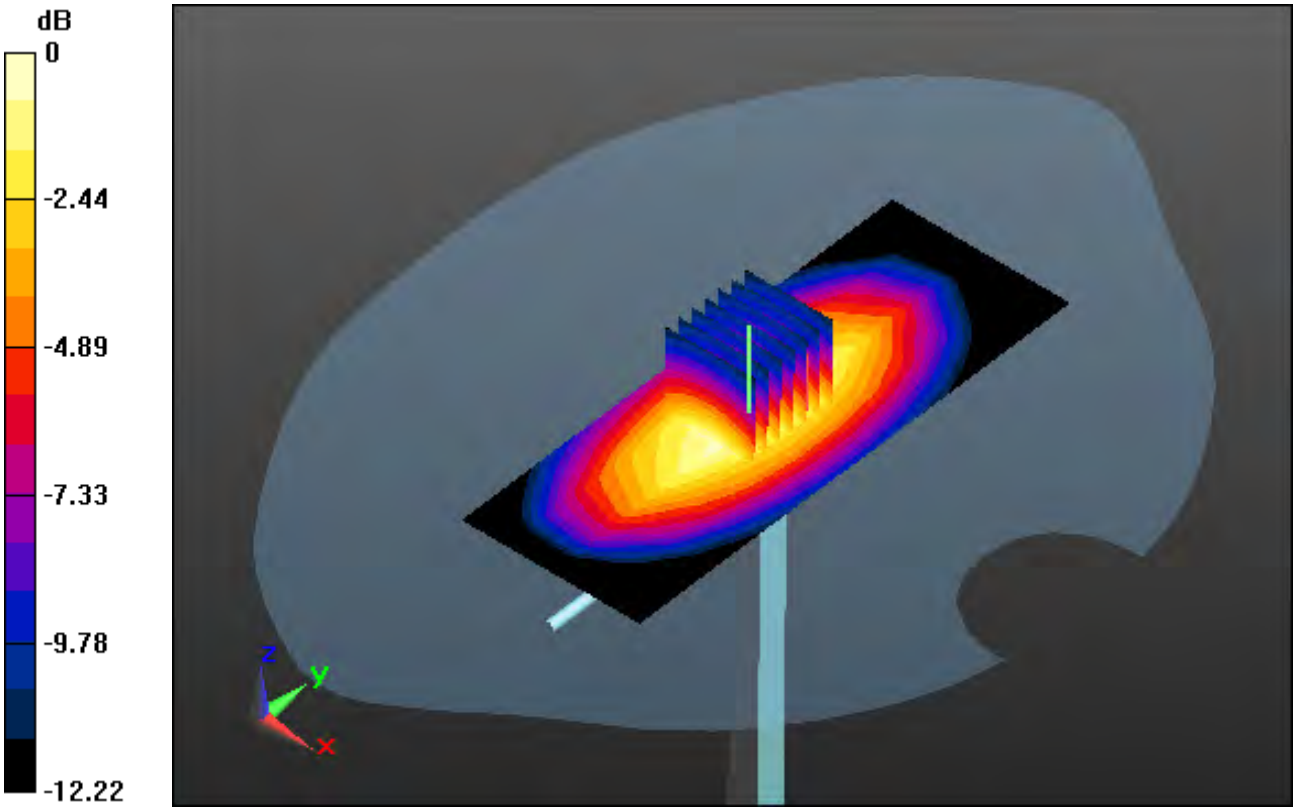
Communication System: UID 0, CW (0); Frequency: 835 MHz;Duty Cycle: 1:1
Medium parameters used: f = 835 MHz; σ = 0.876 S/m; ε_r = 41.259; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:
Probe: EX3DV4 - SN3933; ConvF(10.26, 10.26, 10.26); Calibrated: 9/25/2018; Electronics: DAE4 Sn1396
Sensor-Surface: 2mm (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: 2019-01-02; Ambient Temp: 20.3; Tissue Temp: 21.1

835 MHz System Head Verification (250mW)

Area Scan (5x12x1): Measurement grid: dx=15mm, dy=15mm
Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Power Drift = 0.05 dB
Peak SAR (extrapolated) = 3.31 W/kg
SAR(1 g) = 2.25 W/kg; SAR(10 g) = 1.44 W/kg



0 dB = 2.78 W/kg

DT&C Co., Ltd.

DUT: Dipole 835 MHz; Type: D835V2; Serial: D835V2 - SN:4d159

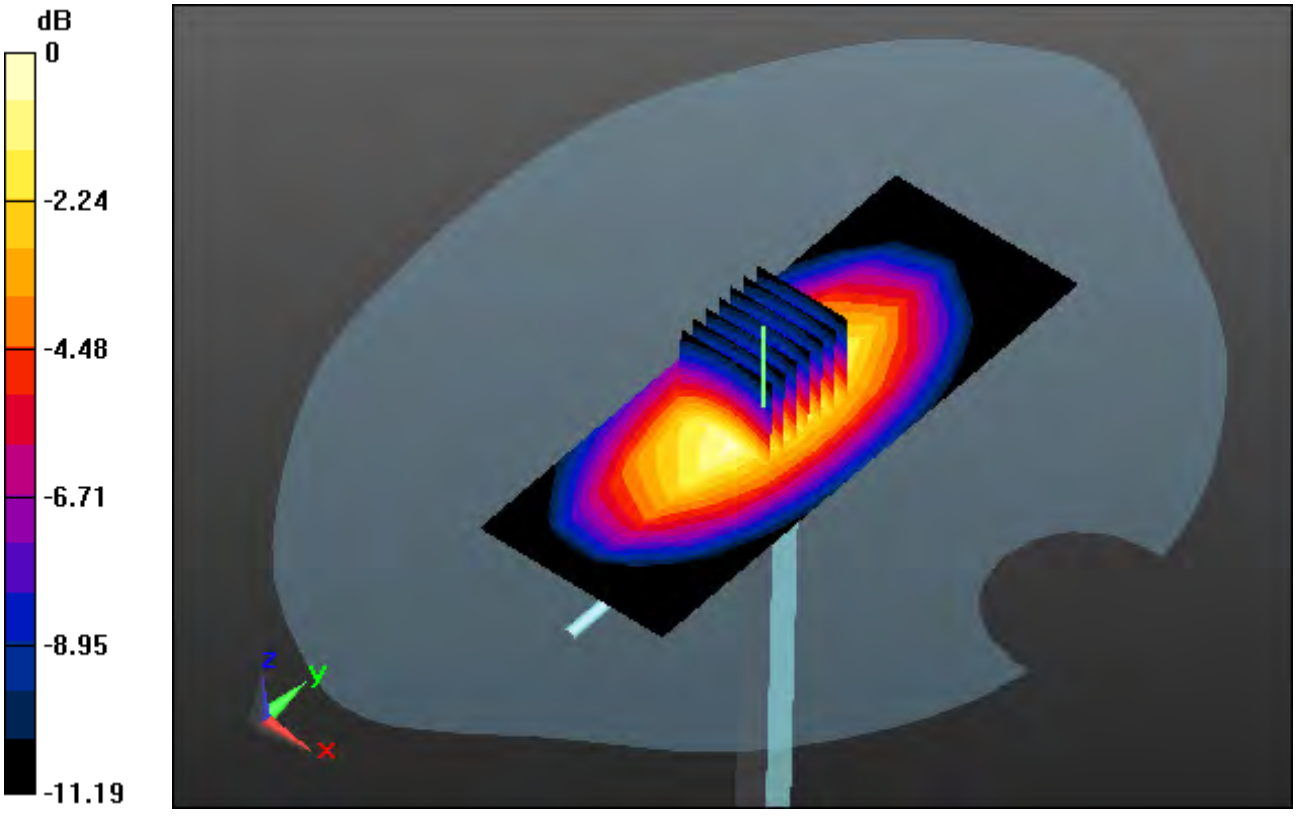
Communication System: UID 0, CW (0); Frequency: 835 MHz;Duty Cycle: 1:1
Medium parameters used: f = 835 MHz; σ = 0.992 S/m; ε_r = 54.346; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:
Probe: EX3DV4 - SN3933; ConvF(10.27, 10.27, 10.27); Calibrated: 9/25/2018; Electronics: DAE4 Sn1396
Sensor-Surface: 2mm (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: 2019-01-02; Ambient Temp: 20.3; Tissue Temp: 21.2

835 MHz System Body Verification (250mW)

Area Scan (5x12x1): Measurement grid: dx=15mm, dy=15mm
Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Power Drift = 0.06 dB
Peak SAR (extrapolated) = 3.77 W/kg
SAR(1 g) = 2.42 W/kg; SAR(10 g) = 1.58 W/kg



0 dB = 3.16 W/kg

DT&C Co., Ltd.

DUT: Dipole 835 MHz; Type: D835V2; Serial: D835V2 - SN:4d159

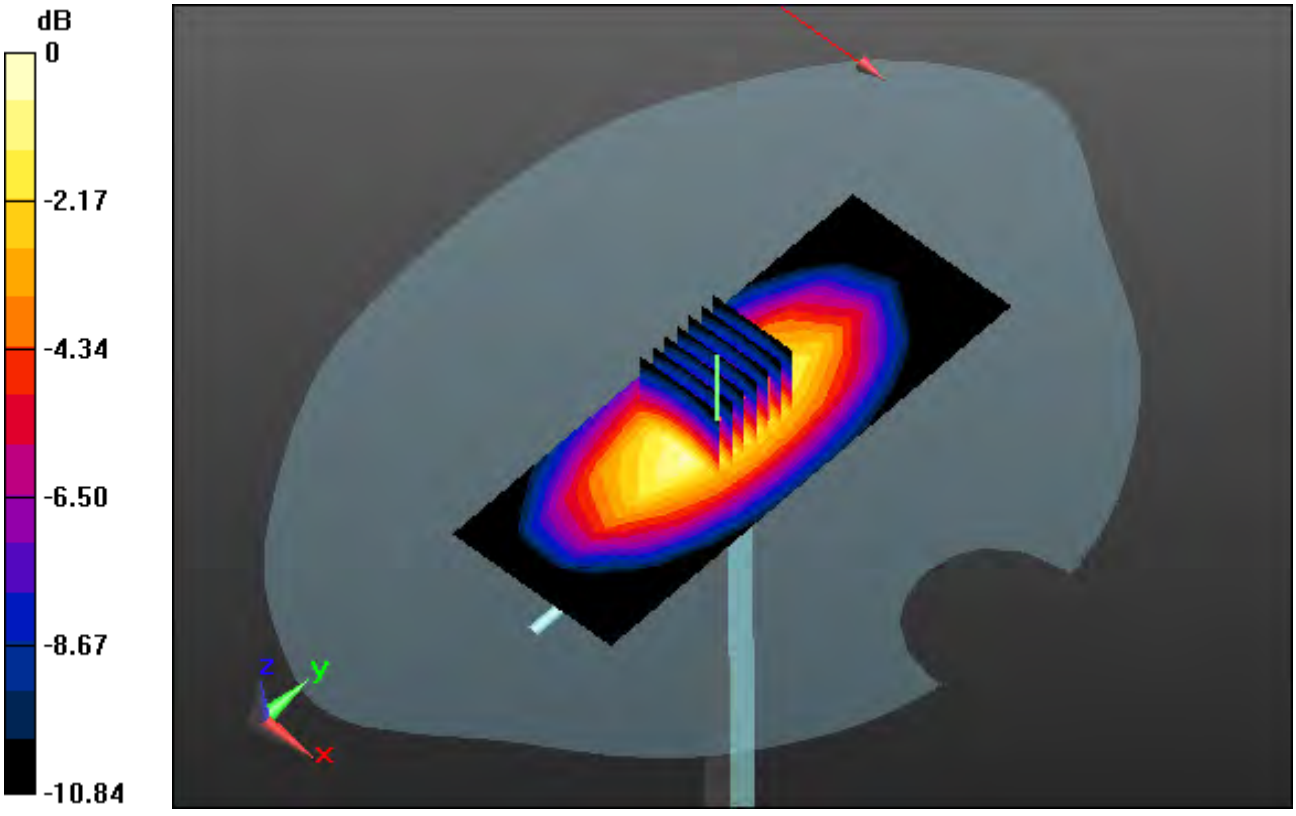
Communication System: UID 0, CW (0); Frequency: 835 MHz;Duty Cycle: 1:1
Medium parameters used: f = 835 MHz; σ = 0.877 S/m; ε_r = 41.442; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:
Probe: EX3DV4 - SN3933; ConvF(10.26, 10.26, 10.26); Calibrated: 9/25/2018; Electronics: DAE4 Sn1396
Sensor-Surface: 2mm (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: 2018-12-25; Ambient Temp: 20.2; Tissue Temp: 21.3

835 MHz System Head Verification (250mW)

Area Scan (5x12x1): Measurement grid: dx=15mm, dy=15mm
Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Power Drift = -0.04 dB
Peak SAR (extrapolated) = 3.62 W/kg
SAR(1 g) = 2.36 W/kg; SAR(10 g) = 1.57 W/kg



0 dB = 2.98 W/kg

DT&C Co., Ltd.

DUT: Dipole 835 MHz; Type: D835V2; Serial: D835V2 - SN:4d159

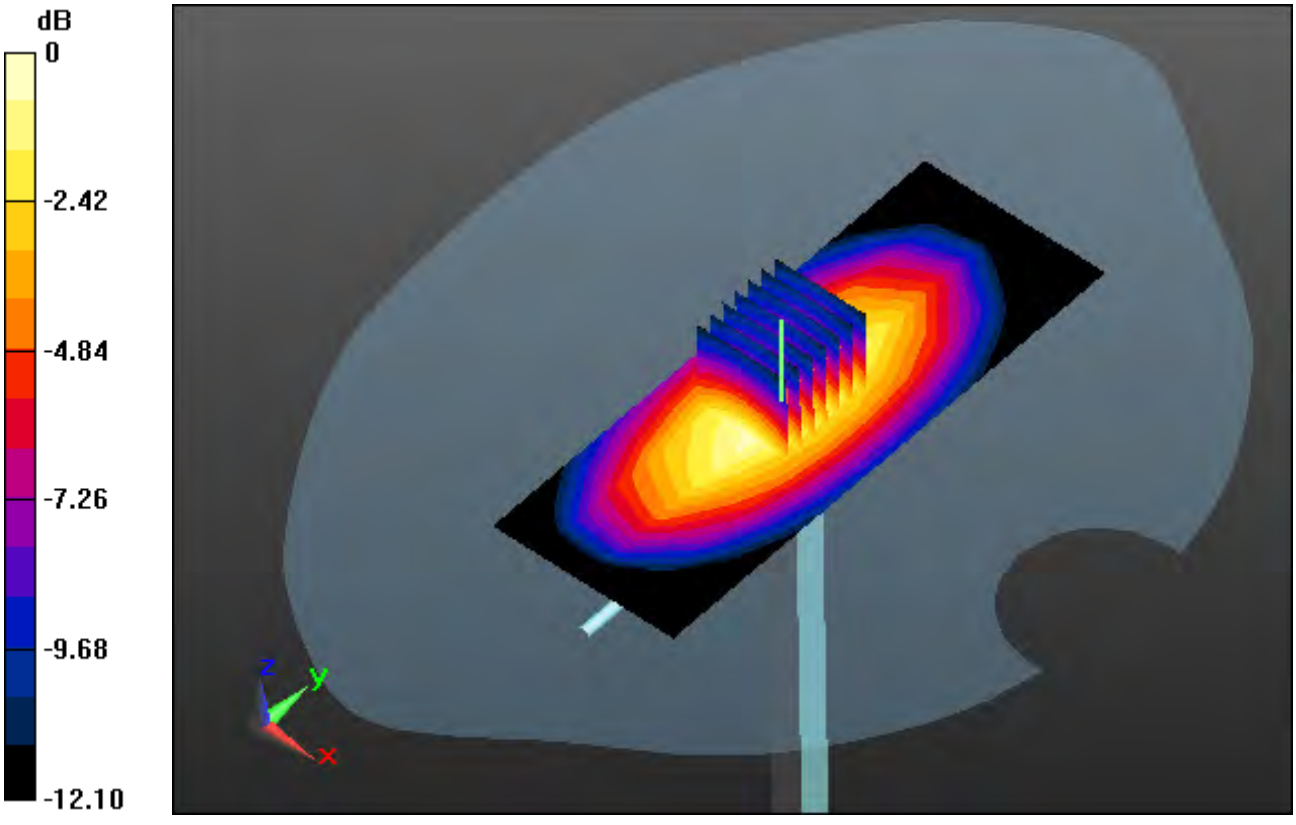
Communication System: UID 0, CW (0); Frequency: 835 MHz;Duty Cycle: 1:1
Medium parameters used: f = 835 MHz; σ = 0.976 S/m; ε_r = 53.755; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:
Probe: EX3DV4 - SN3933; ConvF(10.27, 10.27, 10.27); Calibrated: 9/25/2018; Electronics: DAE4 Sn1396
Sensor-Surface: 2mm (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: 2018-12-25; Ambient Temp: 20.2; Tissue Temp: 21.4

835 MHz System Body Verification (250mW)

Area Scan (5x12x1): Measurement grid: dx=15mm, dy=15mm
Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Power Drift = -0.04 dB
Peak SAR (extrapolated) = 3.61 W/kg
SAR(1 g) = 2.33 W/kg; SAR(10 g) = 1.48 W/kg



0 dB = 3.01 W/kg

DT&C Co., Ltd.

DUT: Dipole 1800 MHz; Type: D1800V2; Serial: D1800V2 - SN:2d202

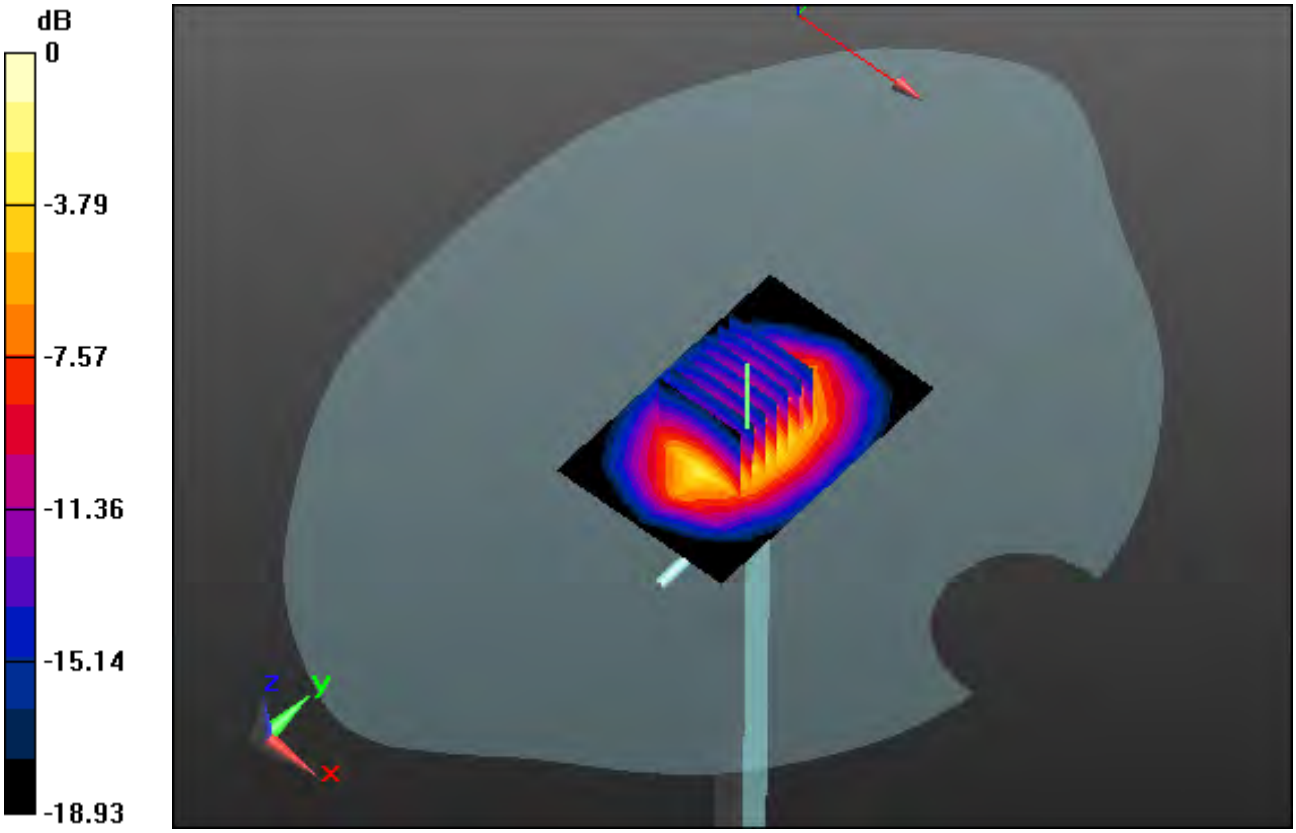
Communication System: UID 0, CW (0); Frequency: 1800 MHz;Duty Cycle: 1:1
Medium parameters used: f = 1800 MHz; σ = 1.386 S/m; ε_r = 40.306; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:
Probe: EX3DV4 - SN3933; ConvF(8.83, 8.83, 8.83); Calibrated: 9/25/2018; Electronics: DAE4 Sn1396
Sensor-Surface: 2mm (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: 2019-01-01; Ambient Temp: 20.1; Tissue Temp: 21.2

1800 MHz System Head Verification (100mW)

Area Scan (5x7x1): Measurement grid: dx=15mm, dy=15mm
Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Power Drift = -0.03 dB
Peak SAR (extrapolated) = 6.45 W/kg
SAR(1 g) = 3.64 W/kg; SAR(10 g) = 1.93 W/kg



0 dB = 5.01 W/kg

DT&C Co., Ltd.

DUT: Dipole 1800 MHz; Type: D1800V2; Serial: D1800V2 - SN:2d202

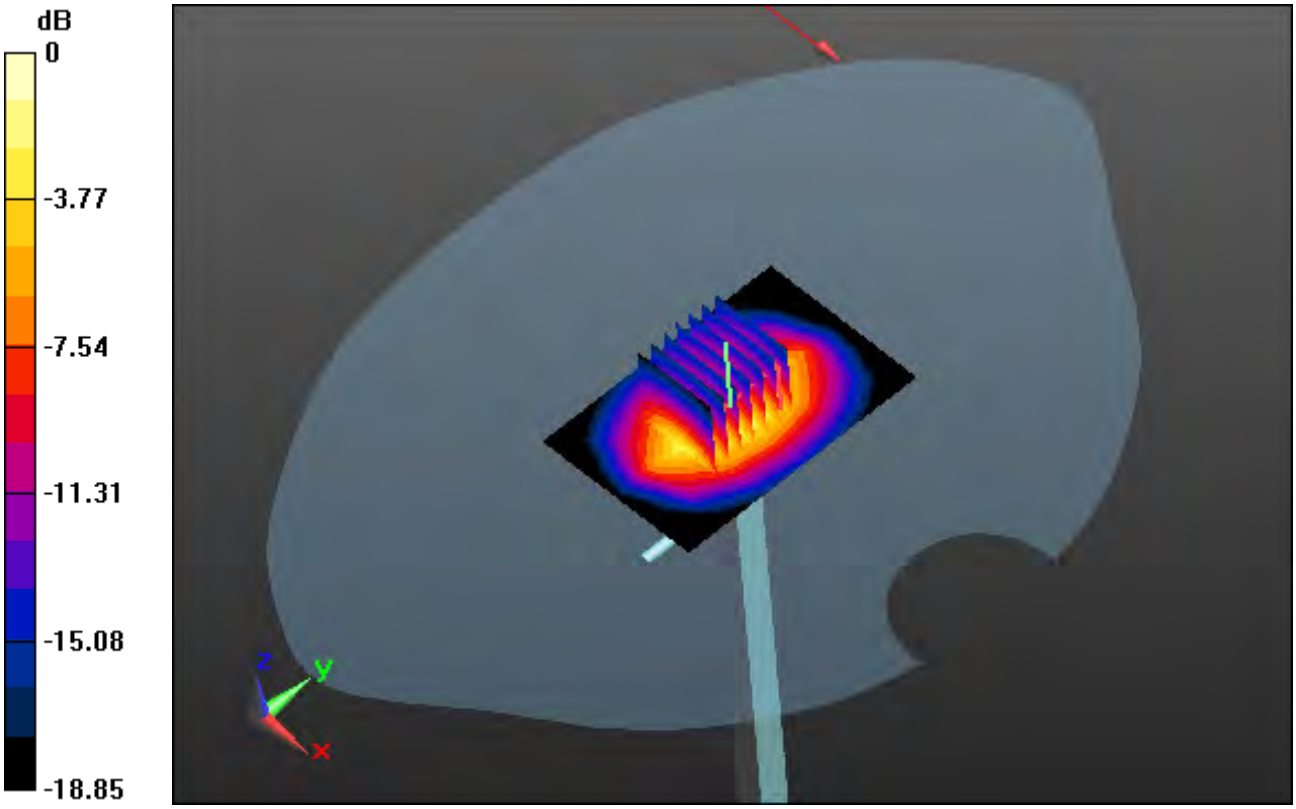
Communication System: UID 0, CW (0); Frequency: 1800 MHz;Duty Cycle: 1:1
Medium parameters used: f = 1800 MHz; σ = 1.506 S/m; ε_r = 52.217; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:
Probe: EX3DV4 - SN3933; ConvF(8.62, 8.62, 8.62); Calibrated: 9/25/2018; Electronics: DAE4 Sn1396
Sensor-Surface: 2mm (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: 2019-01-01; Ambient Temp: 20.1; Tissue Temp: 21.0

1800 MHz System Body Verification (100mW)

Area Scan (5x7x1): Measurement grid: dx=15mm, dy=15mm
Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Power Drift = -0.02 dB
Peak SAR (extrapolated) = 7.03 W/kg
SAR(1 g) = 4.05 W/kg; SAR(10 g) = 2.16 W/kg



0 dB = 5.81 W/kg

DT&C Co., Ltd.

DUT: Dipole 1800 MHz; Type: D1800V2; Serial: D1800V2 - SN:2d202

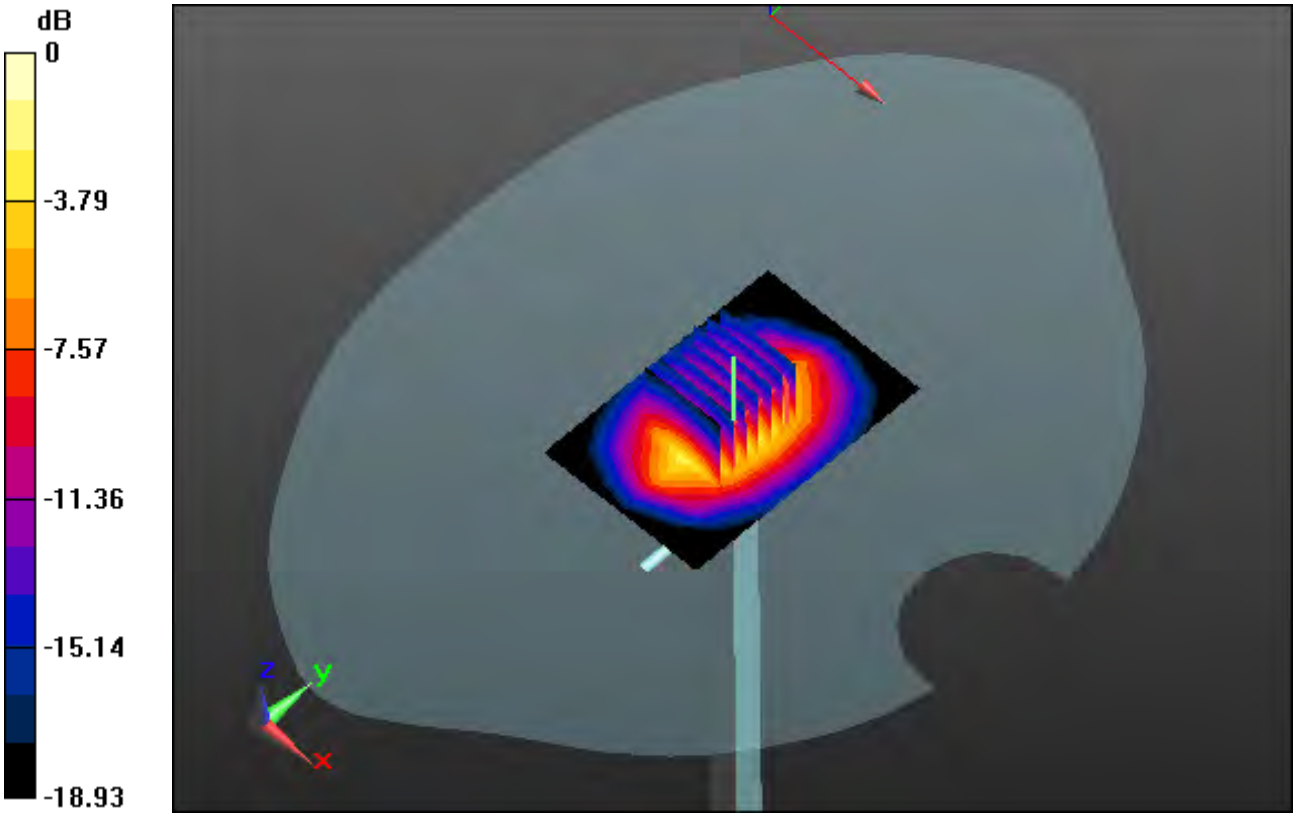
Communication System: UID 0, CW (0); Frequency: 1800 MHz;Duty Cycle: 1:1
Medium parameters used: f = 1800 MHz; σ = 1.382 S/m; ε_r = 40.744; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:
Probe: EX3DV4 - SN3933; ConvF(8.83, 8.83, 8.83); Calibrated: 9/25/2018; Electronics: DAE4 Sn1396
Sensor-Surface: 2mm (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: 2018-12-24; Ambient Temp: 20.4; Tissue Temp: 21.2

1800 MHz System Head Verification (100mW)

Area Scan (5x7x1): Measurement grid: dx=15mm, dy=15mm
Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Power Drift = -0.02 dB
Peak SAR (extrapolated) = 7.03 W/kg
SAR(1 g) = 4.1 W/kg; SAR(10 g) = 2.16 W/kg



0 dB = 5.88 W/kg

DT&C Co., Ltd.

DUT: Dipole 1800 MHz; Type: D1800V2; Serial: D1800V2 - SN:2d202

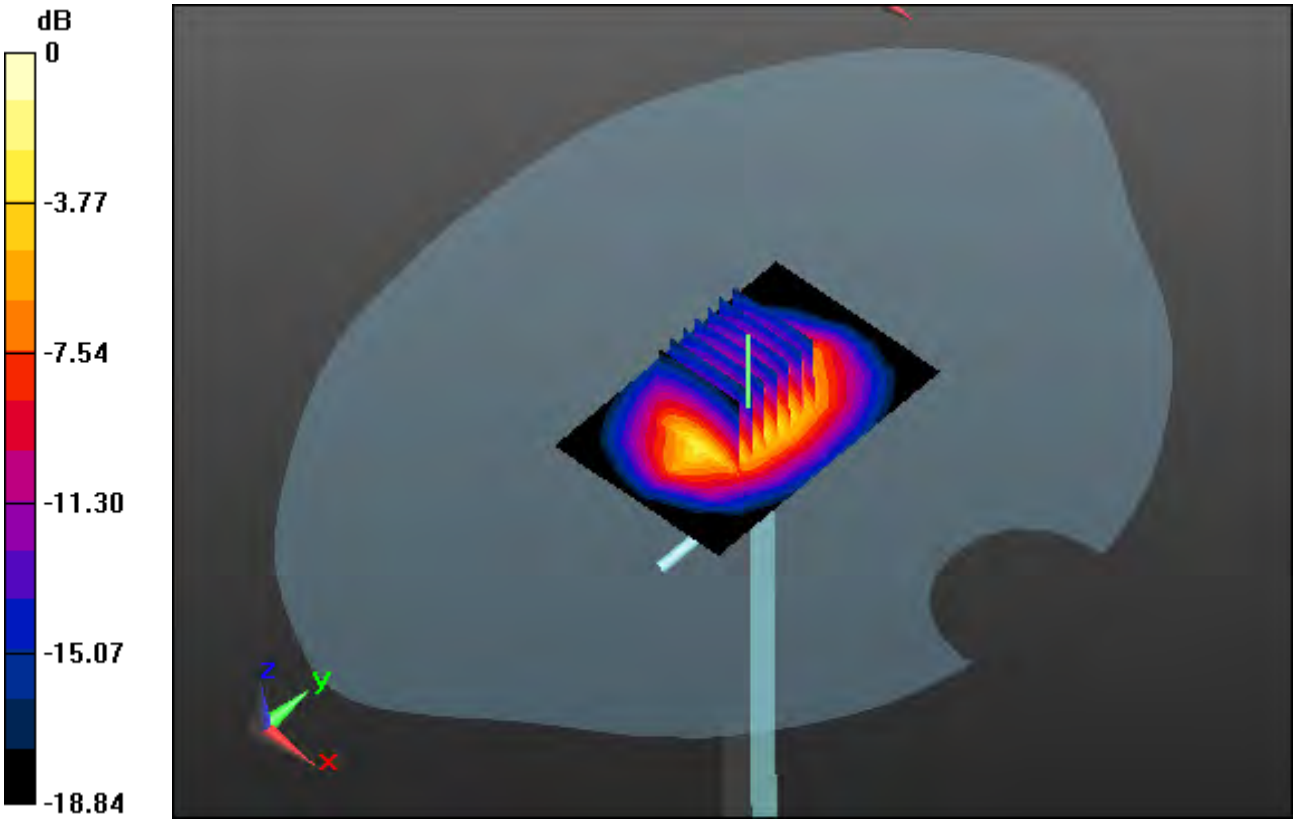
Communication System: UID 0, CW (0); Frequency: 1800 MHz;Duty Cycle: 1:1
Medium parameters used: f = 1800 MHz; σ = 1.493 S/m; ε_r = 52.349; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:
Probe: EX3DV4 - SN3933; ConvF(8.62, 8.62, 8.62); Calibrated: 9/25/2018; Electronics: DAE4 Sn1396
Sensor-Surface: 2mm (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: 2018-12-24; Ambient Temp: 20.4; Tissue Temp: 21.1

1800 MHz System Body Verification (100mW)

Area Scan (5x7x1): Measurement grid: dx=15mm, dy=15mm
Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Power Drift = -0.01 dB
Peak SAR (extrapolated) = 7.13 W/kg
SAR(1 g) = 4.07 W/kg; SAR(10 g) = 2.09 W/kg



0 dB = 5.96 W/kg

DT&C Co., Ltd.

DUT: Dipole 1900 MHz; Type: D1900V2; Serial: D1900V2 - SN:5d176

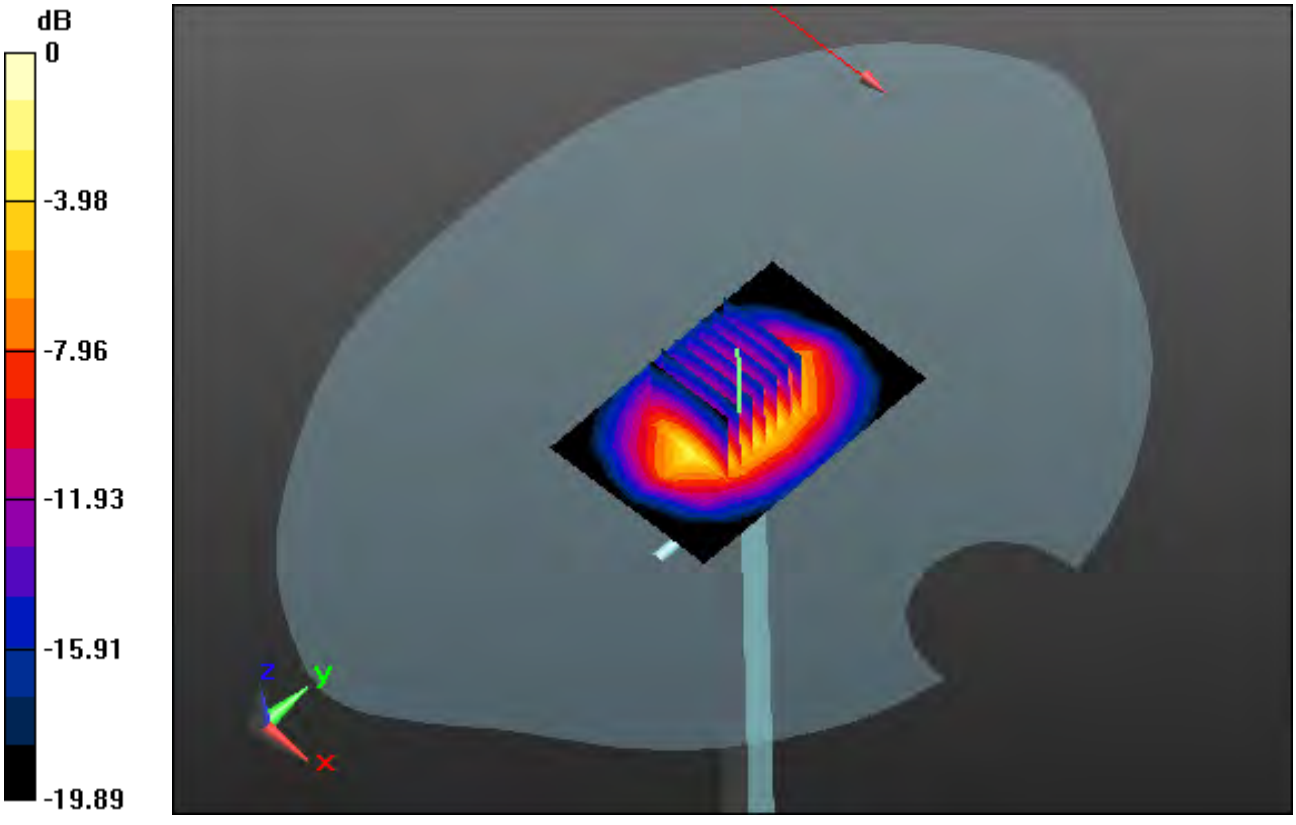
Communication System: UID 0, CW (0); Frequency: 1900 MHz;Duty Cycle: 1:1
Medium parameters used: f = 1900 MHz; σ = 1.415 S/m; ε_r = 39.06; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:
Probe: EX3DV4 - SN3933; ConvF(8.54, 8.54, 8.54); Calibrated: 9/25/2018; Electronics: DAE4 Sn1396
Sensor-Surface: 2mm (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: 2018-12-29; Ambient Temp: 20.1; Tissue Temp: 20.9

1900 MHz System Head Verification (100mW)

Area Scan (5x7x1): Measurement grid: dx=15mm, dy=15mm
Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Power Drift = -0.06 dB
Peak SAR (extrapolated) = 7.42 W/kg
SAR(1 g) = 3.93 W/kg; SAR(10 g) = 4.05 W/kg



0 dB = 6.04 W/kg

DT&C Co., Ltd.

DUT: Dipole 1900 MHz; Type: D1900V2; Serial: D1900V2 - SN:5d176

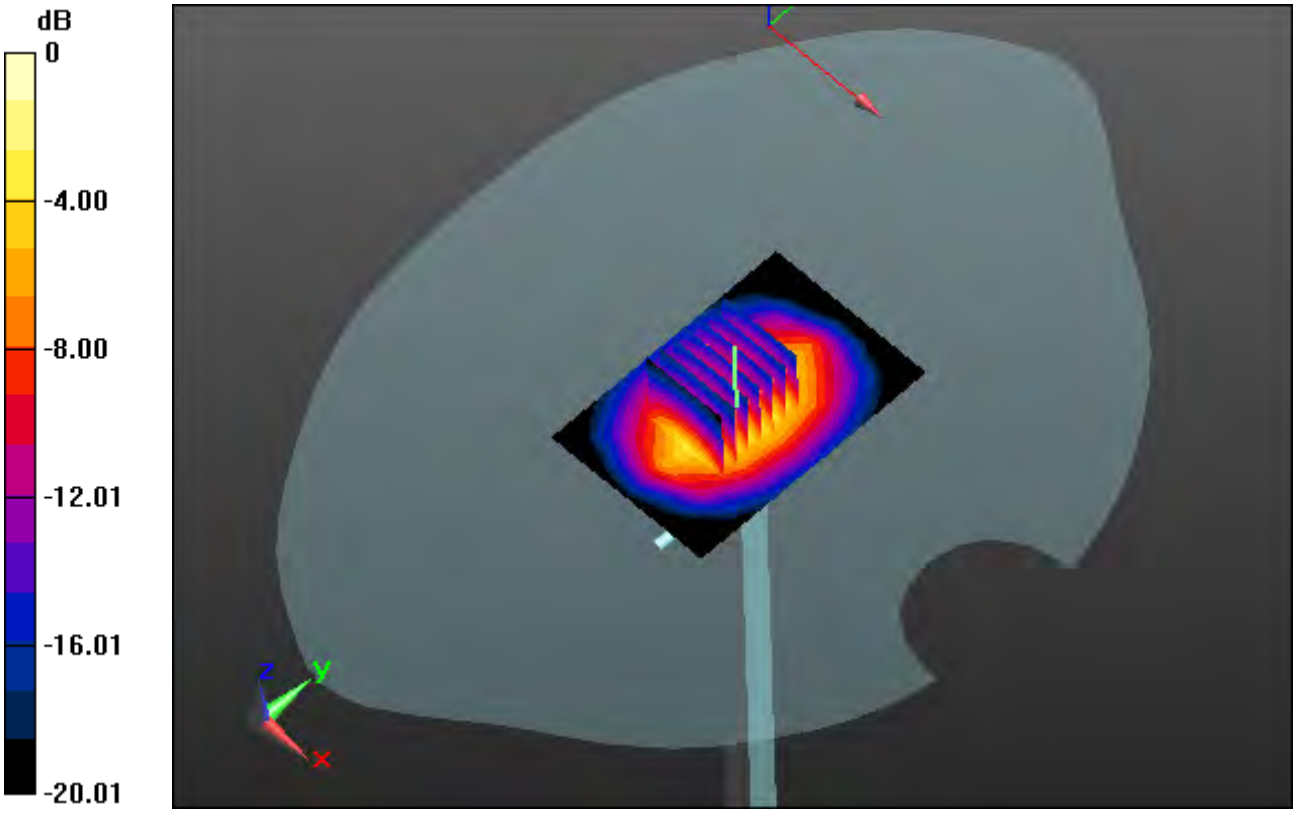
Communication System: UID 0, CW (0); Frequency: 1900 MHz;Duty Cycle: 1:1
Medium parameters used: f = 1900 MHz; σ = 1.564 S/m; ε_r = 51.304; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:
Probe: EX3DV4 - SN3933; ConvF(8.21, 8.21, 8.21); Calibrated: 9/25/2018; Electronics: DAE4 Sn1396
Sensor-Surface: 2mm (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: 2018-12-29; Ambient Temp: 20.1; Tissue Temp: 21.1

1900 MHz System Body Verification (100mW)

Area Scan (5x7x1): Measurement grid: dx=15mm, dy=15mm
Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Power Drift = -0.03 dB
Peak SAR (extrapolated) = 8.17 W/kg
SAR(1 g) = 4.17 W/kg; SAR(10 g) = 2.16 W/kg



0 dB = 6.4 W/kg

DT&C Co., Ltd.

DUT: Dipole 1900 MHz; Type: D1900V2; Serial: D1900V2 - SN:5d176

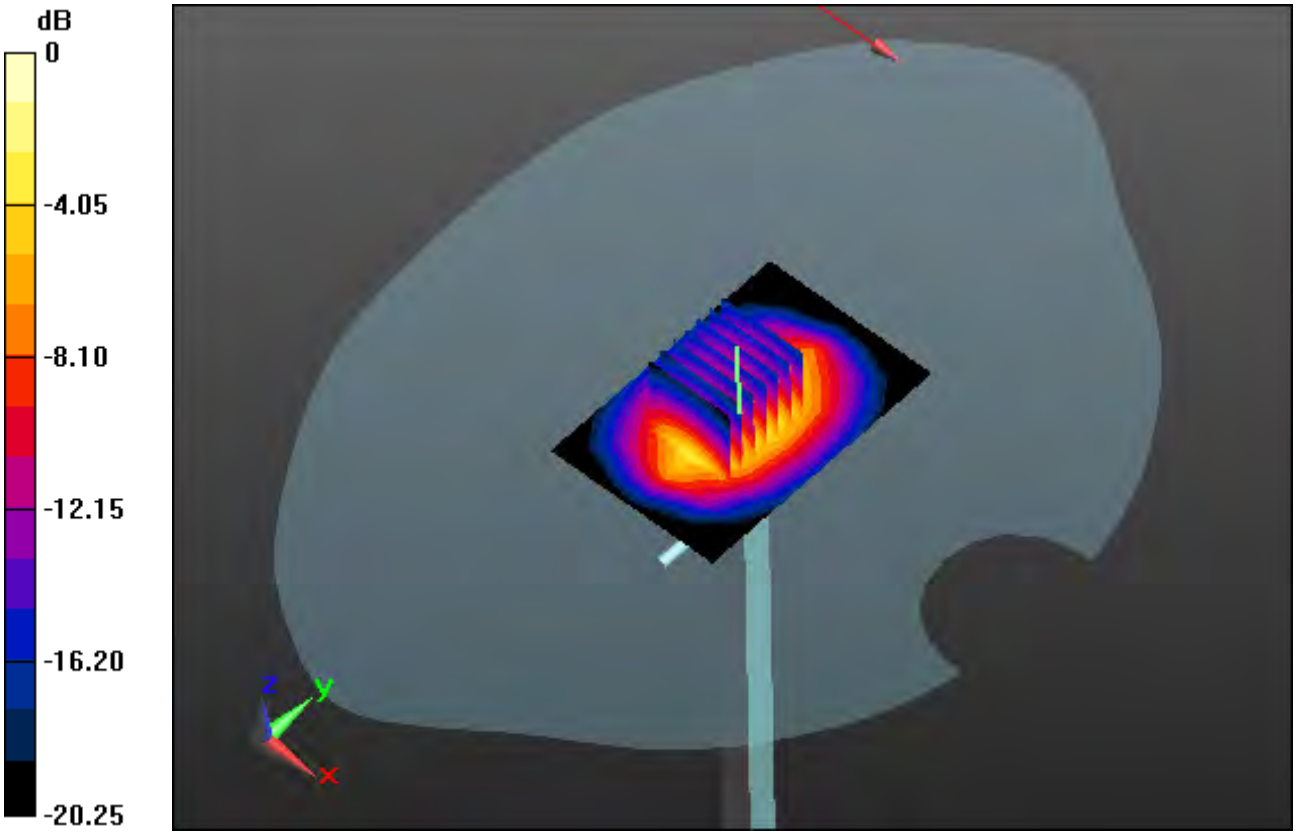
Communication System: UID 0, CW (0); Frequency: 1900 MHz;Duty Cycle: 1:1
Medium parameters used: f = 1900 MHz; σ = 1.415 S/m; ε_r = 39.405; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:
Probe: EX3DV4 - SN3933; ConvF(8.54, 8.54, 8.54); Calibrated: 9/25/2018; Electronics: DAE4 Sn1396
Sensor-Surface: 2mm (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: 2018-12-31; Ambient Temp: 20.2; Tissue Temp: 20.7

1900 MHz System Head Verification (100mW)

Area Scan (5x7x1): Measurement grid: dx=15mm, dy=15mm
Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Power Drift = -0.05 dB
Peak SAR (extrapolated) = 7.96 W/kg
SAR(1 g) = 3.99 W/kg; SAR(10 g) = 2.13 W/kg



0 dB = 6.28 W/kg

DT&C Co., Ltd.

DUT: Dipole 1900 MHz; Type: D1900V2; Serial: D1900V2 - SN:5d176

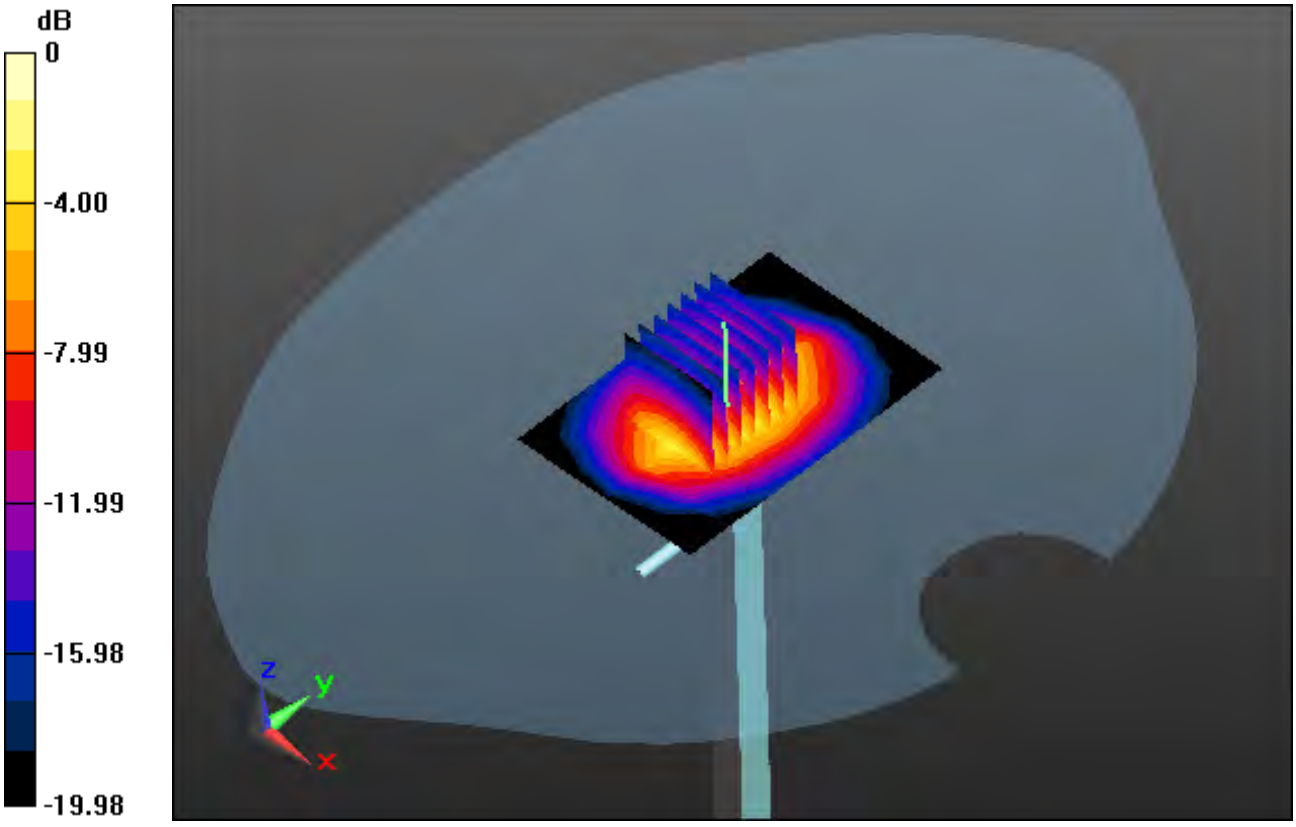
Communication System: UID 0, CW (0); Frequency: 1900 MHz;Duty Cycle: 1:1
Medium parameters used: f = 1900 MHz; σ = 1.562 S/m; ε_r = 51.35; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:
Probe: EX3DV4 - SN3933; ConvF(8.21, 8.21, 8.21); Calibrated: 9/25/2018; Electronics: DAE4 Sn1396
Sensor-Surface: 2mm (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: 2018-12-31; Ambient Temp: 20.2; Tissue Temp: 20.9

1900 MHz System Body Verification (100mW)

Area Scan (5x7x1): Measurement grid: dx=15mm, dy=15mm
Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Power Drift = -0.02 dB
Peak SAR (extrapolated) = 7.02 W/kg
SAR(1 g) = 3.98 W/kg; SAR(10 g) = 2.07 W/kg



0 dB = 5.97 W/kg

DT&C Co., Ltd.

DUT: Dipole 1900 MHz; Type: D1900V2; Serial: D1900V2 - SN:5d176

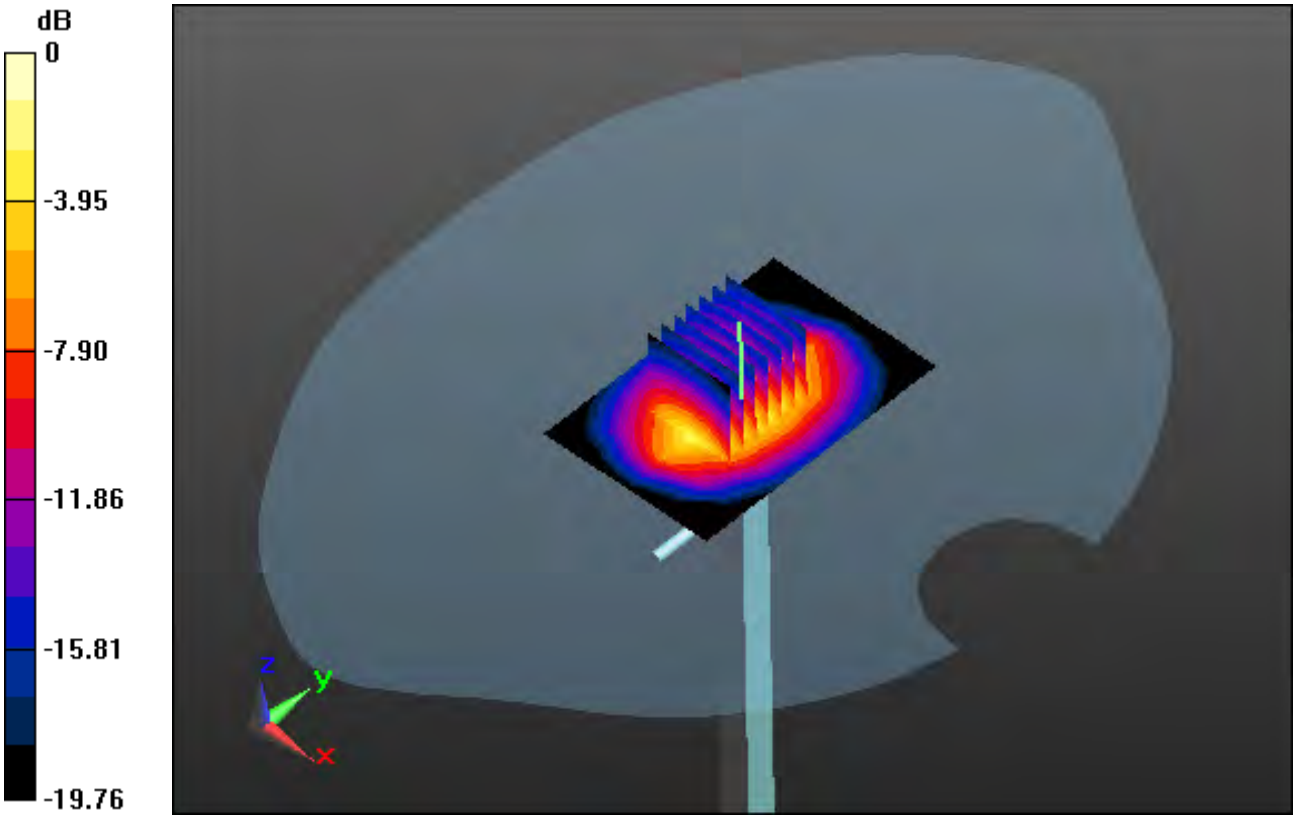
Communication System: UID 0, CW (0); Frequency: 1900 MHz;Duty Cycle: 1:1
Medium parameters used: f = 1900 MHz; σ = 1.416 S/m; ε_r = 39.495; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:
Probe: EX3DV4 - SN3933; ConvF(8.54, 8.54, 8.54); Calibrated: 9/25/2018; Electronics: DAE4 Sn1396
Sensor-Surface: 2mm (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: 2018-12-21; Ambient Temp: 20.2; Tissue Temp: 21.5

1900 MHz System Head Verification (100mW)

Area Scan (5x7x1): Measurement grid: dx=15mm, dy=15mm
Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Power Drift = -0.04 dB
Peak SAR (extrapolated) = 8.11 W/kg
SAR(1 g) = 4.21 W/kg; SAR(10 g) = 2.24 W/kg



0 dB = 6.51 W/kg

DT&C Co., Ltd.

DUT: Dipole 1900 MHz; Type: D1900V2; Serial: D1900V2 - SN:5d176

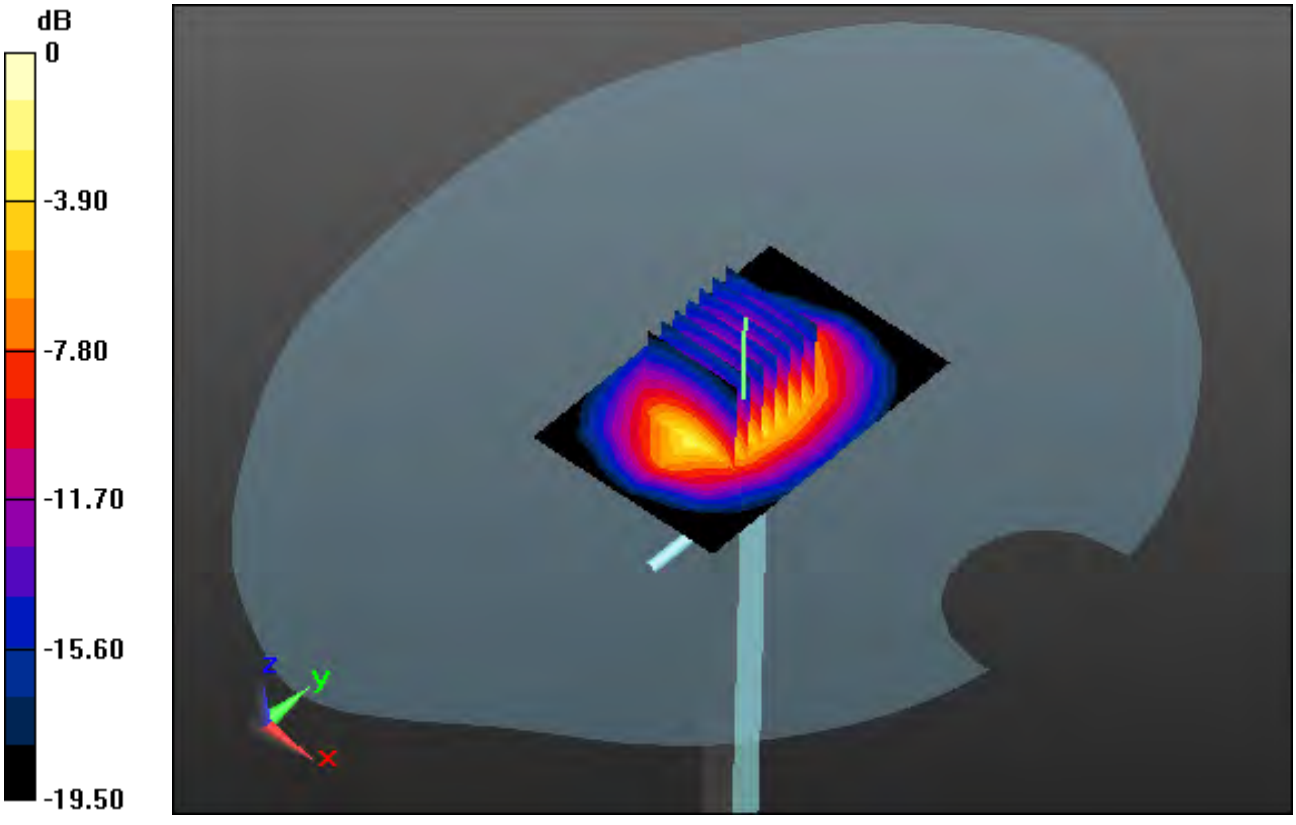
Communication System: UID 0, CW (0); Frequency: 1900 MHz;Duty Cycle: 1:1
Medium parameters used: f = 1900 MHz; σ = 1.563 S/m; ε_r = 51.43; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:
Probe: EX3DV4 - SN3933; ConvF(8.21, 8.21, 8.21); Calibrated: 9/25/2018; Electronics: DAE4 Sn1396
Sensor-Surface: 2mm (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: 2018-12-21; Ambient Temp: 20.2; Tissue Temp: 21.3

1900 MHz System Body Verification (100mW)

Area Scan (5x7x1): Measurement grid: dx=15mm, dy=15mm
Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Power Drift = -0.01 dB
Peak SAR (extrapolated) = 7.33 W/kg
SAR(1 g) = 4.11 W/kg; SAR(10 g) = 2.14 W/kg



0 dB = 6.27 W/kg

DT&C Co., Ltd.

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

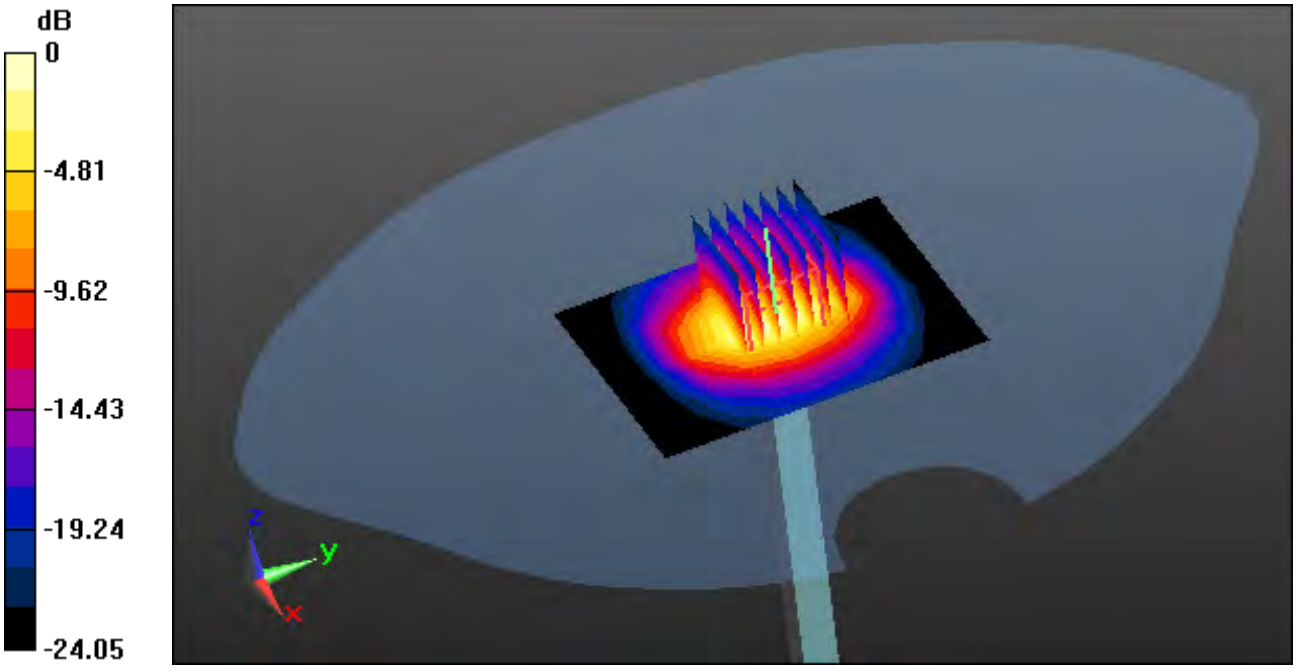
Communication System: UID 0, CW (0); Frequency: 2450 MHz; Duty Cycle: 1:1
Medium parameters used: f = 2450 MHz; σ = 1.765 S/m; ε_r = 39.798; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:
Probe: EX3DV4 - SN3916; ConvF(7.72, 7.72, 7.72); Calibrated: 4/25/2018; Electronics: DAE4 Sn1394
Sensor-Surface: 2mm (Mechanical Surface Detection)
Phantom: SAM-twin middle_2013_09_24; Type: QD000P40CD; Serial: 1782
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2019-01-01; Ambient Temp: 20.6; Tissue Temp: 20.4

2450 MHz System Head 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 = 0.07 dB
Peak SAR (extrapolated) = 11.9 W/kg
SAR(1 g) = 5.03 W/kg; SAR(10 g) = 2.37 W/kg



0 dB = 12.6 W/kg

DT&C Co., Ltd.

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

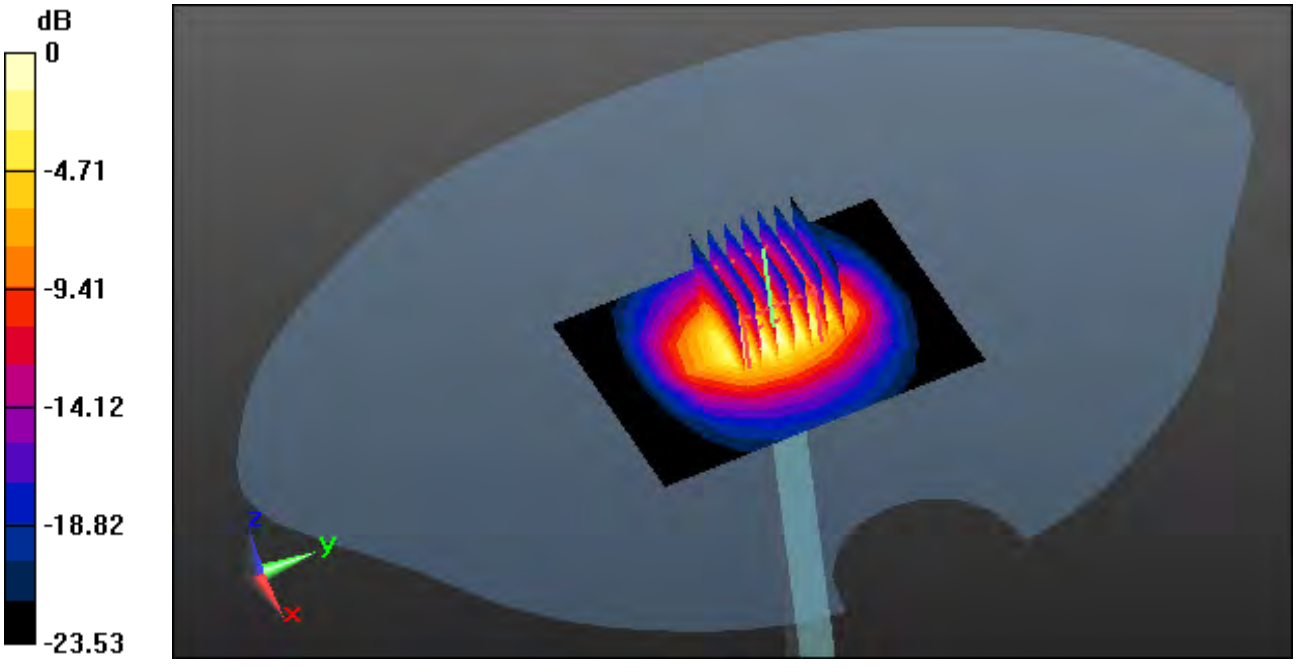
Communication System: UID 0, CW; Frequency: 2450 MHz; Duty Cycle: 1:1
Medium parameters used: f = 2450 MHz; σ = 1.953 S/m; ε_r = 54.323; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:
Probe: EX3DV4 - SN3916; ConvF(7.69, 7.69, 7.69); Calibrated: 4/25/2018; Electronics: DAE4 Sn1394
Sensor-Surface: 2mm (Mechanical Surface Detection)
Phantom: SAM-twin middle_2013_09_24; Type: QD000P40CD; Serial: 1782
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2019-01-02; Ambient Temp: 20.9; Tissue Temp: 20.7

2450 MHz System Body 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 = -0.01 dB
Peak SAR (extrapolated) = 12.2 W/kg
SAR(1 g) = 5.18 W/kg; SAR(10 g) = 2.41 W/kg



0 dB = 13.1 W/kg

DT&C Co., Ltd.

DUT: Dipole 2600 MHz; Type: D2600V2; Serial: D2600V2 - SN:1103

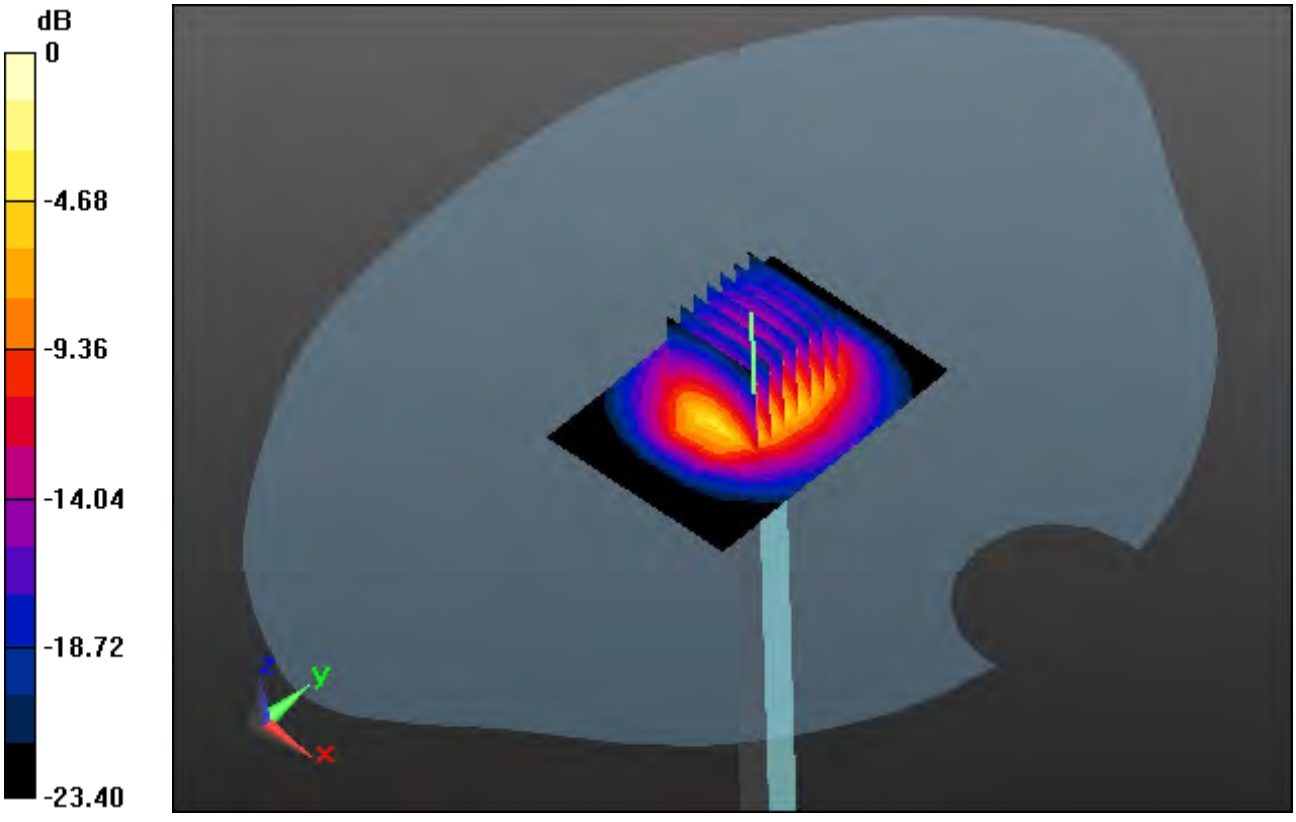
Communication System: UID 0, CW (0); Frequency: 2600 MHz;Duty Cycle: 1:1
Medium parameters used: f = 2600 MHz; σ = 1.973 S/m; ε_r = 39.355; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:
Probe: EX3DV4 - SN3933; ConvF(7.41, 7.41, 7.41); Calibrated: 9/25/2018; Electronics: DAE4 Sn1396
Sensor-Surface: 2mm (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: 2018-12-26; Ambient Temp: 20.3; Tissue Temp: 21.0

2600 MHz System Head 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) = 12.4 W/kg
SAR(1 g) = 5.91 W/kg; SAR(10 g) = 2.65 W/kg



0 dB = 9.19 W/kg

DT&C Co., Ltd.

DUT: Dipole 2600 MHz; Type: D2600V2; Serial: D2600V2 - SN:1103

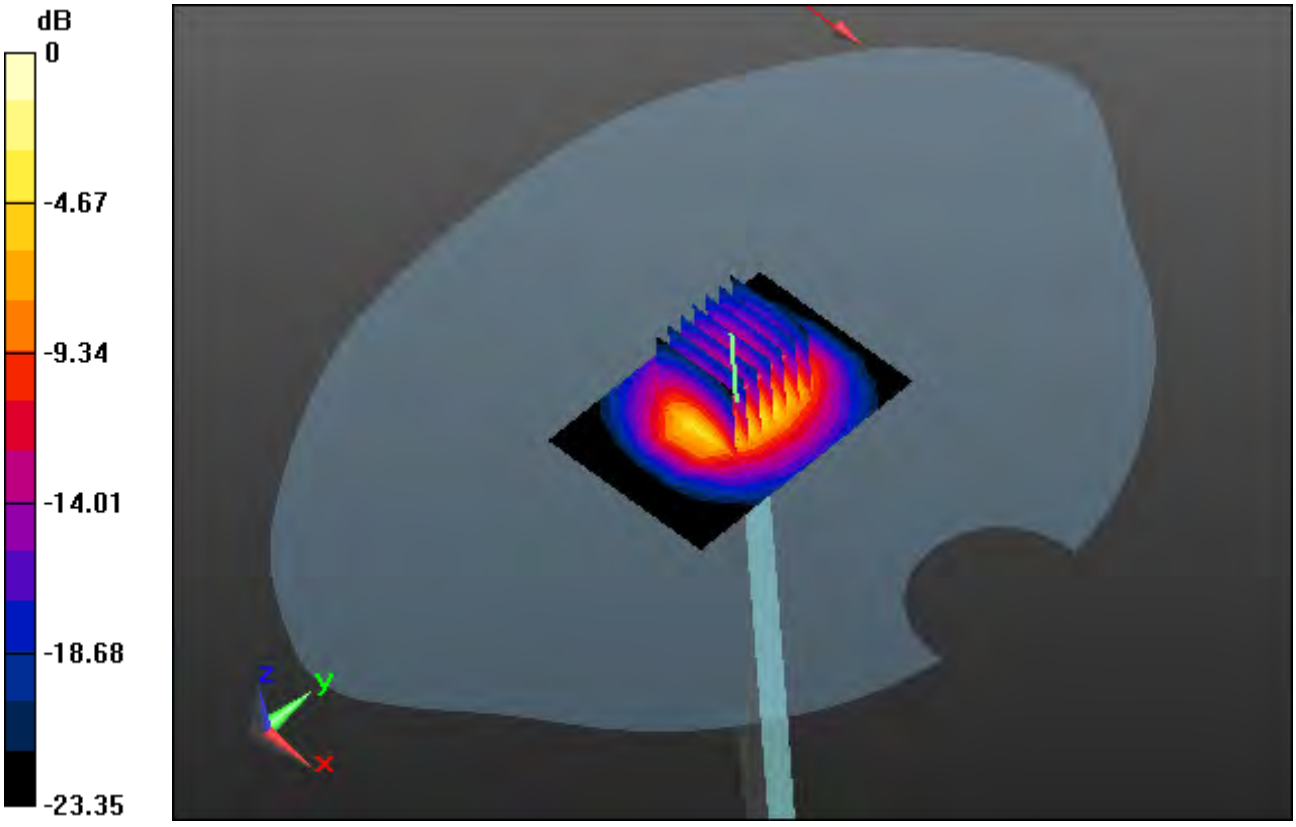
Communication System: UID 0, CW (0); Frequency: 2600 MHz;Duty Cycle: 1:1
Medium parameters used: f = 2600 MHz; σ = 2.104 S/m; ε_r = 53.037; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:
Probe: EX3DV4 - SN3933; ConvF(7.63, 7.63, 7.63); Calibrated: 9/25/2018; Electronics: DAE4 Sn1396
Sensor-Surface: 2mm (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: 2018-12-26; Ambient Temp: 20.3; Tissue Temp: 21.2

2600 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 = 0.08 dB
Peak SAR (extrapolated) = 11.4 W/kg
SAR(1 g) = 5.45 W/kg; SAR(10 g) = 2.45 W/kg



0 dB = 8.44 W/kg

DT&C Co., Ltd.

DUT: Dipole 5GHz; Type: D5GHzV2; Serial: D5GHzV2 - SN:1212

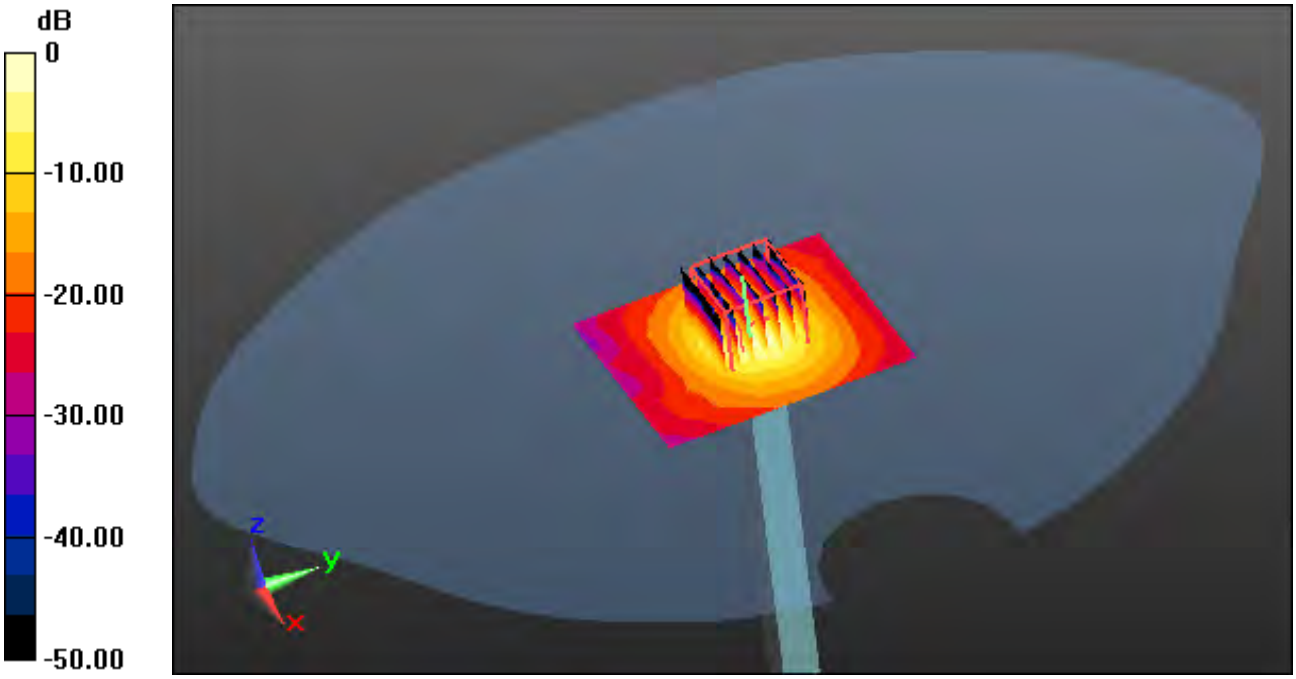
Communication System: UID 0, CW; Frequency: 5200 MHz; Duty Cycle: 1:1
Medium parameters used: f = 5200 MHz; σ = 5.285 S/m; ε_r = 49.028; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:
Probe: EX3DV4 - SN3916; ConvF(4.66, 4.66, 4.66); Calibrated: 4/25/2018; Electronics: DAE4 Sn1394
Sensor-Surface: 1.4mm (Mechanical Surface Detection)
Phantom: SAM-twin right_2013_09_24; Type: QD000P40CD; Serial: TP:1783
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2019-01-04; Ambient Temp: 21.0; Tissue Temp: 20.9

5200 MHz System Body Verification (100 mW)

Area Scan (7x8x1): Measurement grid: dx=10mm, dy=10mm
Zoom Scan (7x7x11)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm, Graded Ratio: 1.4
Power Drift = 0.05 dB
Peak SAR (extrapolated) = 29.4 W/kg
SAR(1 g) = 7.19 W/kg; SAR(10 g) = 1.93 W/kg



0 dB = 17.3 W/kg

DT&C Co., Ltd.

DUT: Dipole 5GHz; Type: D5GHzV2; Serial: D5GHzV2 - SN:1212

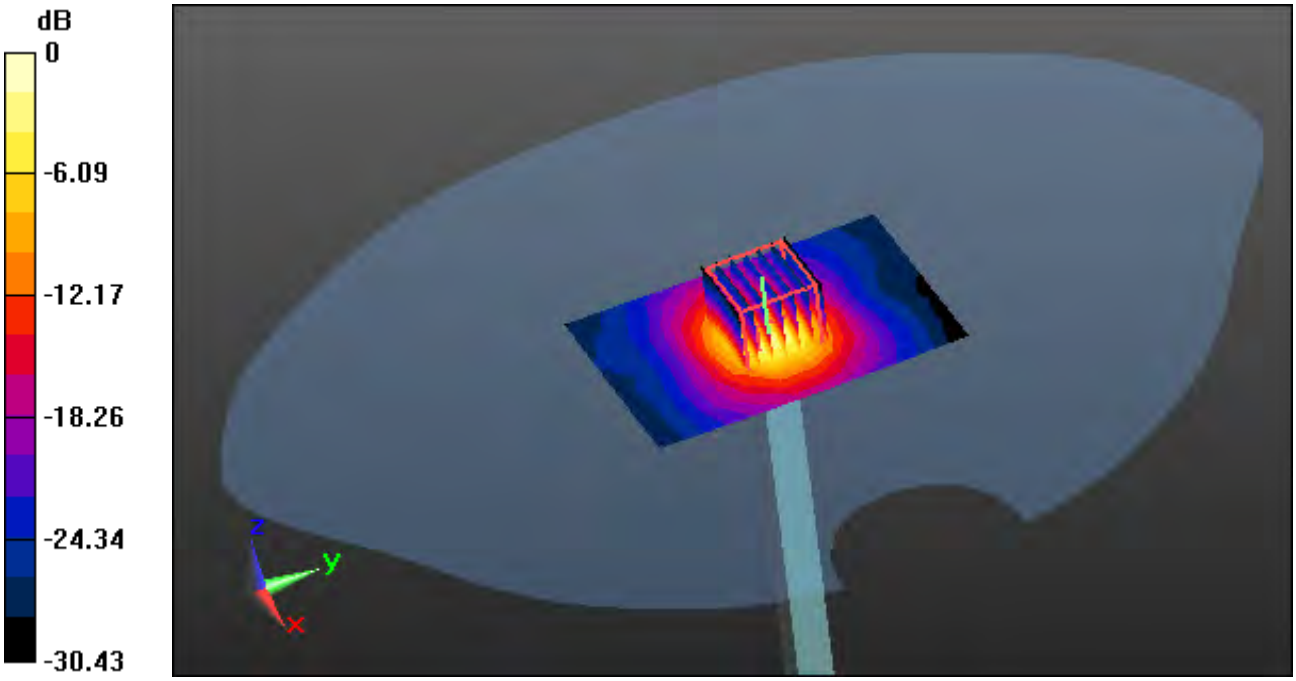
Communication System: UID 0, CW (0); Frequency: 5300 MHz; Duty Cycle: 1:1
Medium parameters used: f = 5300 MHz; σ = 4.601 S/m; ε_r = 35.254; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:
Probe: EX3DV4 - SN3916; ConvF(5.04, 5.04, 5.04); Calibrated: 4/25/2018; Electronics: DAE4 Sn1394
Sensor-Surface: 1.4mm (Mechanical Surface Detection)
Phantom: SAM-twin right_2013_09_24; Type: QD000P40CD; Serial: TP:1783
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2019-01-08; Ambient Temp: 21.2; Tissue Temp: 21.4

5300 MHz System HeadVerification (100 mW)

Area Scan (7x10x1): Measurement grid: dx=10mm, dy=10mm
Zoom Scan (7x7x11)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm, Graded Ratio: 1.4
Power Drift = -0.04 dB
Peak SAR (extrapolated) = 30.8 W/kg
SAR(1 g) = 7.99 W/kg; SAR(10 g) = 2.25 W/kg



0 dB = 19.6 W/kg

DT&C Co., Ltd.

DUT: Dipole 5GHz; Type: D5GHzV2; Serial: D5GHzV2 - SN:1212

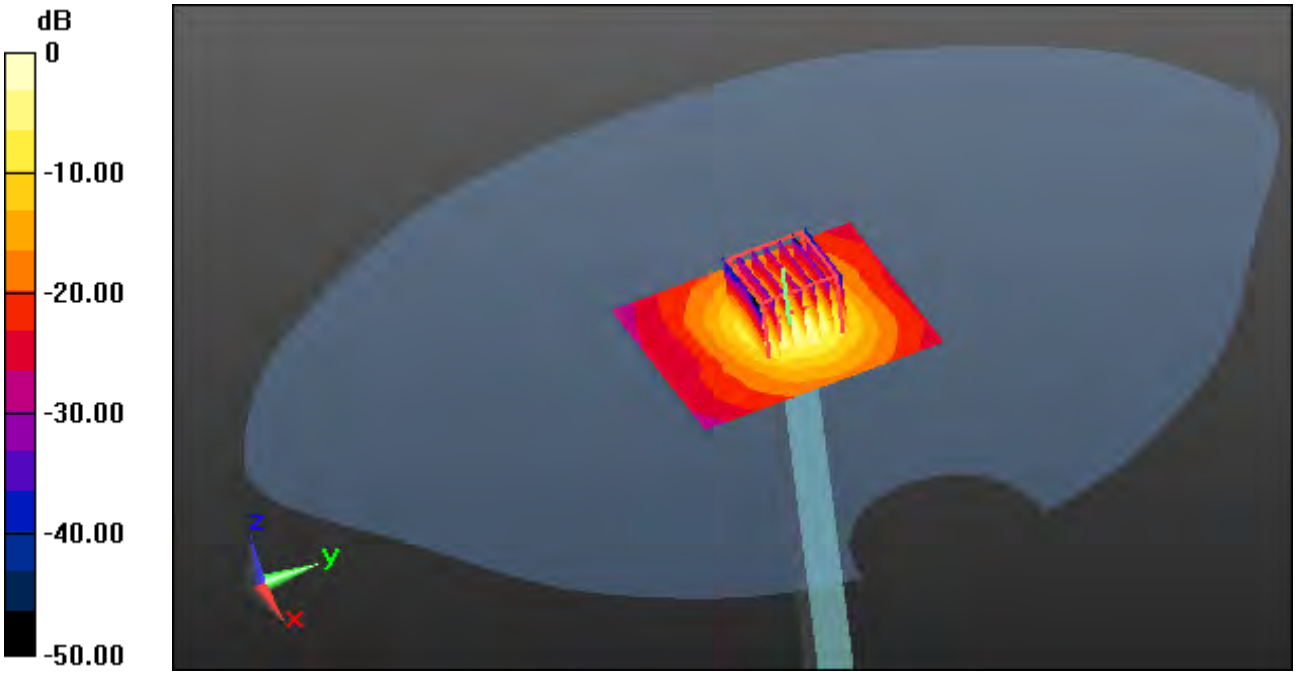
Communication System: UID 0, CW (0); Frequency: 5300 MHz; Duty Cycle: 1:1
Medium parameters used: f = 5300 MHz; σ = 5.403 S/m; ε_r = 48.515; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:
Probe: EX3DV4 - SN3916; ConvF(4.44, 4.44, 4.44); Calibrated: 4/25/2018; Electronics: DAE4 Sn1394
Sensor-Surface: 1.4mm (Mechanical Surface Detection)
Phantom: SAM-twin right_2013_09_24; Type: QD000P40CD; Serial: TP:1783
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2019-01-05; Ambient Temp: 21.1; Tissue Temp: 21.0

5300 MHz System Body Verification (100 mW)

Area Scan (7x8x1): Measurement grid: dx=10mm, dy=10mm
Zoom Scan (7x7x11)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm, Graded Ratio: 1.4
Power Drift = 0.08 dB
Peak SAR (extrapolated) = 30.6 W/kg
SAR(1 g) = 7.48 W/kg; SAR(10 g) = 2.03 W/kg



0 dB = 18.4 W/kg

DT&C Co., Ltd.

DUT: Dipole 5GHz; Type: D5GHzV2; Serial: D5GHzV2 - SN:1212

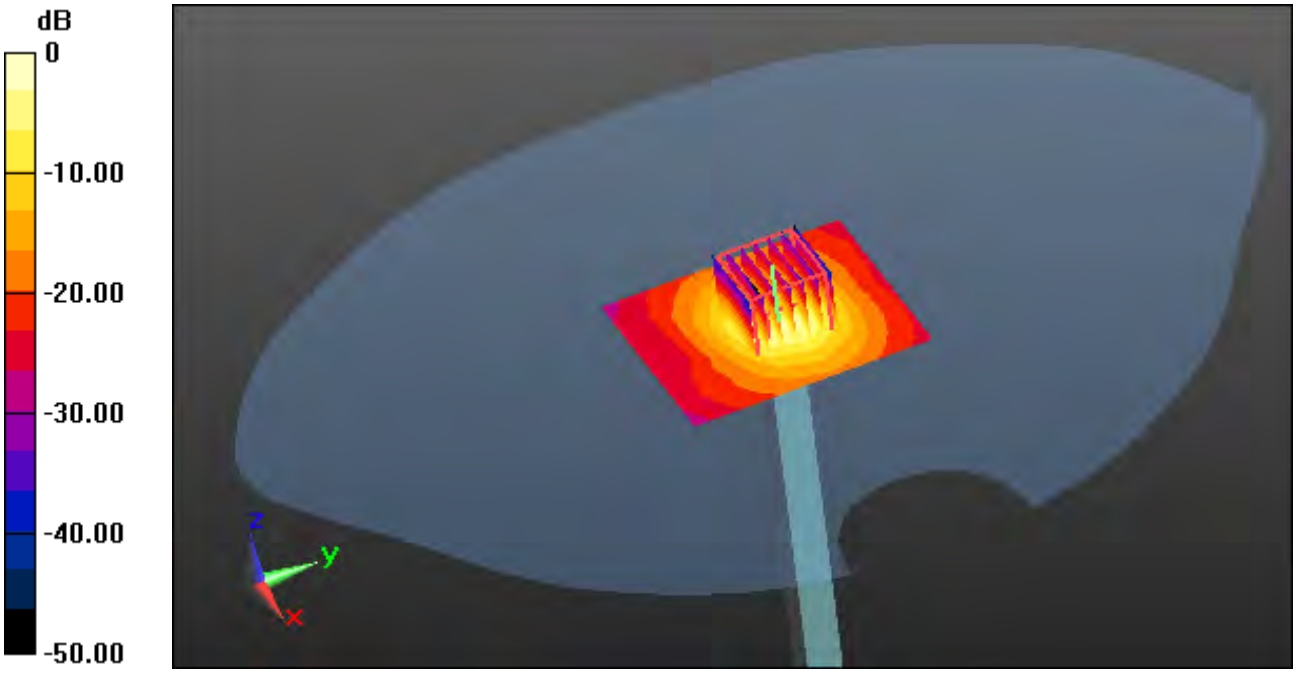
Communication System: UID 0, CW (0); Frequency: 5500 MHz; Duty Cycle: 1:1
Medium parameters used: f = 5500 MHz; σ = 4.812 S/m; ε_r = 35.225; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:
Probe: EX3DV4 - SN3916; ConvF(5.01, 5.01, 5.01); Calibrated: 4/25/2018; Electronics: DAE4 Sn1394
Sensor-Surface: 1.4mm (Mechanical Surface Detection)
Phantom: SAM-twin right_2013_09_24; Type: QD000P40CD; Serial: TP:1783
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2019-01-09; Ambient Temp: 21.1; Tissue Temp: 20.8

5500 MHz System Head Verification (100 mW)

Area Scan (7x8x1): Measurement grid: dx=10mm, dy=10mm
Zoom Scan (7x7x11)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm, Graded Ratio: 1.4
Power Drift = 0.00 dB
Peak SAR (extrapolated) = 33.8 W/kg
SAR(1 g) = 8.36 W/kg; SAR(10 g) = 2.31 W/kg



0 dB = 20.5 W/kg

DT&C Co., Ltd.

DUT: Dipole 5GHz; Type: D5GHzV2; Serial: D5GHzV2 - SN:1212

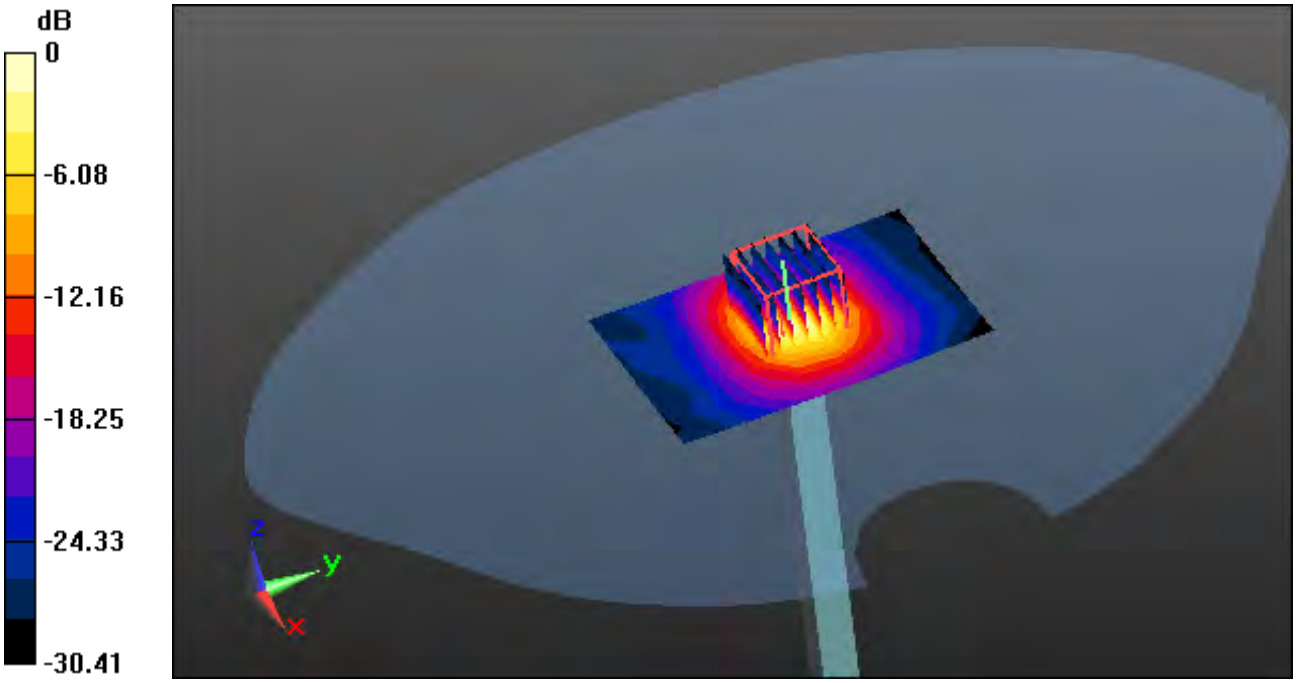
Communication System: UID 0, CW (0); Frequency: 5500 MHz; Duty Cycle: 1:1
Medium parameters used: f = 5500 MHz; σ = 5.46 S/m; ε_r = 47.375; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:
Probe: EX3DV4 - SN3916; ConvF(4.23, 4.23, 4.23); Calibrated: 4/25/2018; Electronics: DAE4 Sn1394
Sensor-Surface: 1.4mm (Mechanical Surface Detection)
Phantom: SAM-twin right_2013_09_24; Type: QD000P40CD; Serial: TP:1783
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2019-01-07; Ambient Temp: 21.0; Tissue Temp: 21.3

5500 MHz System Body Verification (100 mW)

Area Scan (7x10x1): Measurement grid: dx=10mm, dy=10mm
Zoom Scan (7x7x11)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm, Graded Ratio: 1.4
Power Drift = 0.13 dB
Peak SAR (extrapolated) = 30.4 W/kg
SAR(1 g) = 7.91 W/kg; SAR(10 g) = 2.16 W/kg



0 dB = 19.2 W/kg

DT&C Co., Ltd.

DUT: Dipole D5GHz; Type: D5GHzV2; Serial: D5GHzV2 - SN:1212

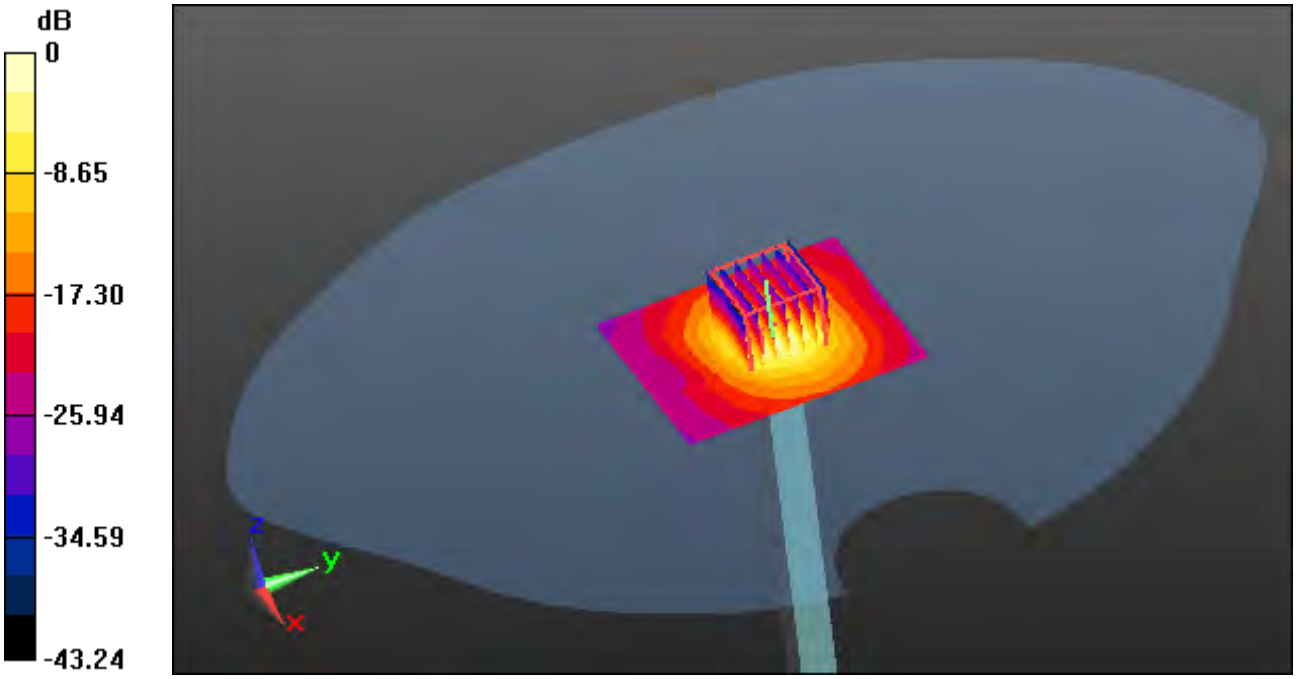
Communication System: UID 0, CW (0); Frequency: 5800 MHz; Duty Cycle: 1:1
Medium parameters used: f = 5800 MHz; σ = 5.111 S/m; ε_r = 34.599; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:
Probe: EX3DV4 - SN3916; ConvF(4.94, 4.94, 4.94); Calibrated: 4/25/2018; Electronics: DAE4 Sn1394
Sensor-Surface: 1.4mm (Mechanical Surface Detection)
Phantom: SAM-twin right_2013_09_24; Type: QD000P40CD; Serial: TP:1783
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2019-01-10; Ambient Temp: 20.9; Tissue Temp: 21.3

5800 MHz System Head Verification (100 mW)

Area Scan (7x8x1): Measurement grid: dx=10mm, dy=10mm
Zoom Scan (7x7x11)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm, Graded Ratio: 1.4
Power Drift = 0.15 dB
Peak SAR (extrapolated) = 30.5 W/kg
SAR(1 g) = 7.83 W/kg; SAR(10 g) = 2.18 W/kg



0 dB = 19.1 W/kg

DT&C Co., Ltd.

DUT: Dipole 5GHz; Type: D5GHzV2; Serial: D5GHzV2 - SN:1212

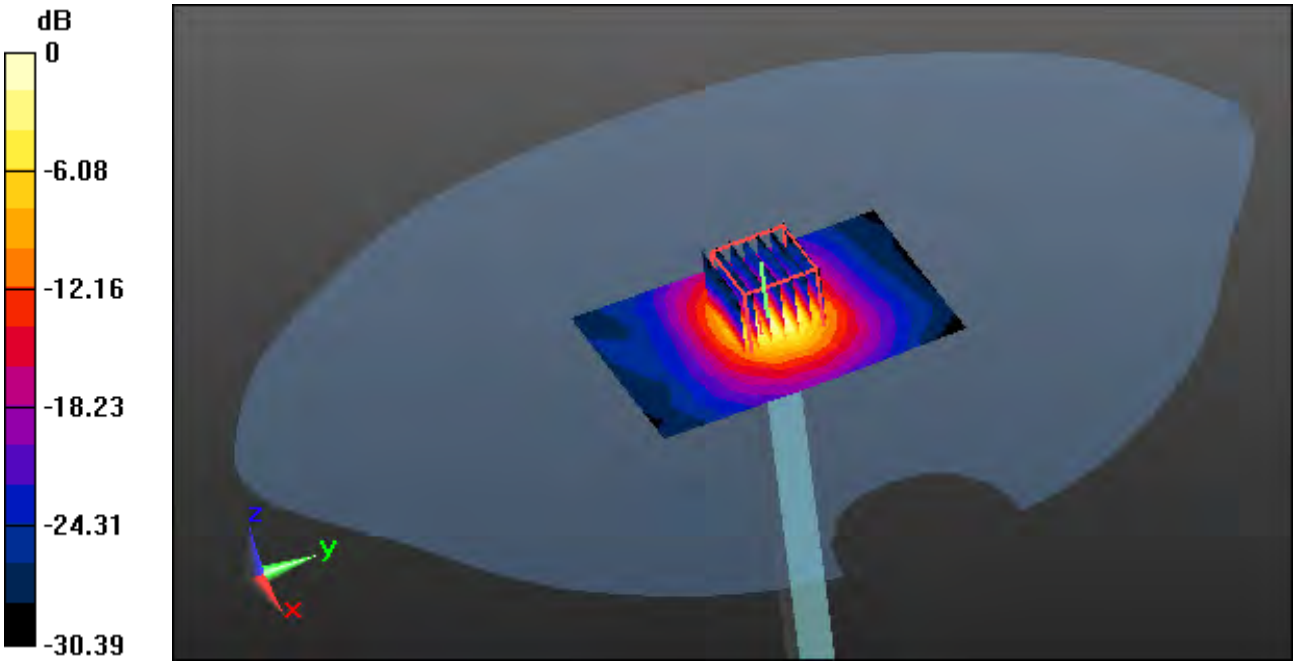
Communication System: UID 0, CW (0); Frequency: 5800 MHz; Duty Cycle: 1:1
Medium parameters used: f = 5800 MHz; σ = 5.899 S/m; ε_r = 46.863; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:
Probe: EX3DV4 - SN3916; ConvF(4.31, 4.31, 4.31); Calibrated: 4/25/2018; Electronics: DAE4 Sn1394
Sensor-Surface: 1.4mm (Mechanical Surface Detection)
Phantom: SAM-twin right_2013_09_24; Type: QD000P40CD; Serial: TP:1783
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2019-01-03; Ambient Temp: 20.5; Tissue Temp: 20.8

5800 MHz System Body Verification (100 mW)

Area Scan (7x10x1): Measurement grid: dx=10mm, dy=10mm
Zoom Scan (7x7x11)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm, Graded Ratio: 1.4
Power Drift = 0.07 dB
Peak SAR (extrapolated) = 29.7 W/kg
SAR(1 g) = 7.52 W/kg; SAR(10 g) = 2.06 W/kg



0 dB = 19.0 W/kg

DT&C Co., Ltd.

DUT: LM-X420HM; Type: Bar

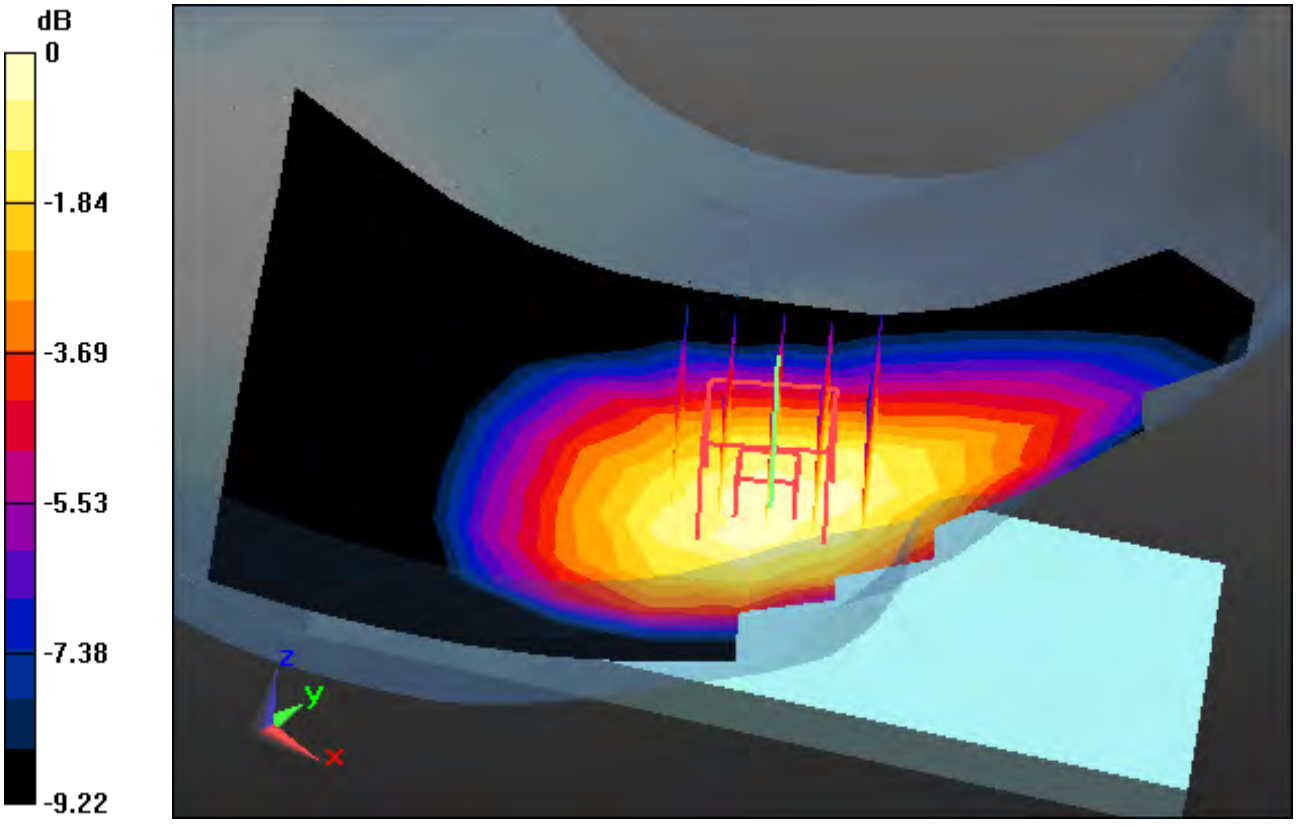
Communication System: UID 0, GSM 850 (0); Frequency: 836.6 MHz;Duty Cycle: 1:8.3
Medium parameters used: f = 836.6 MHz; σ = 0.881 S/m; ε_r = 41.324; ρ = 1000 kg/m^3
Phantom section: Right Section

DASY5 Configuration:
Probe: EX3DV4 - SN3933; ConvF(10.26, 10.26, 10.26); Calibrated: 9/25/2018; Electronics: DAE4 Sn1396
Sensor-Surface: 2mm (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)

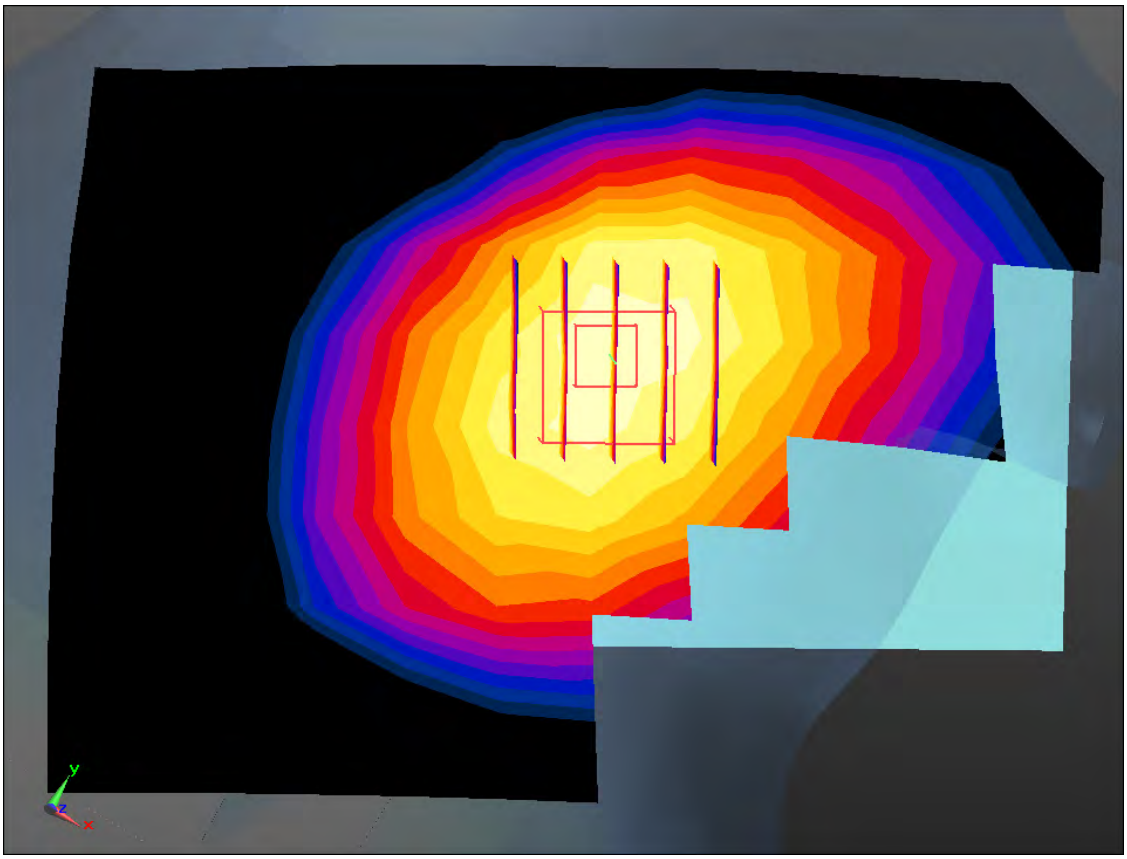
Test Date: 2018-12-28; Ambient Temp: 20.2; Tissue Temp: 21.1

Right Touch, GSM850 Ch. 190, Ant Internal, Standard Battery

Area Scan (9x14x1): Measurement grid: dx=15mm, dy=15mm
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Power Drift = -0.16 dB
Peak SAR (extrapolated) = 0.300 W/kg
SAR(1 g) = 0.241 W/kg; SAR(10 g) = 0.186 W/kg



0 dB = 0.272 W/kg



Enlarged Plot for A1

DT&C Co., Ltd.

DUT: LM-X420HM; Type: Bar

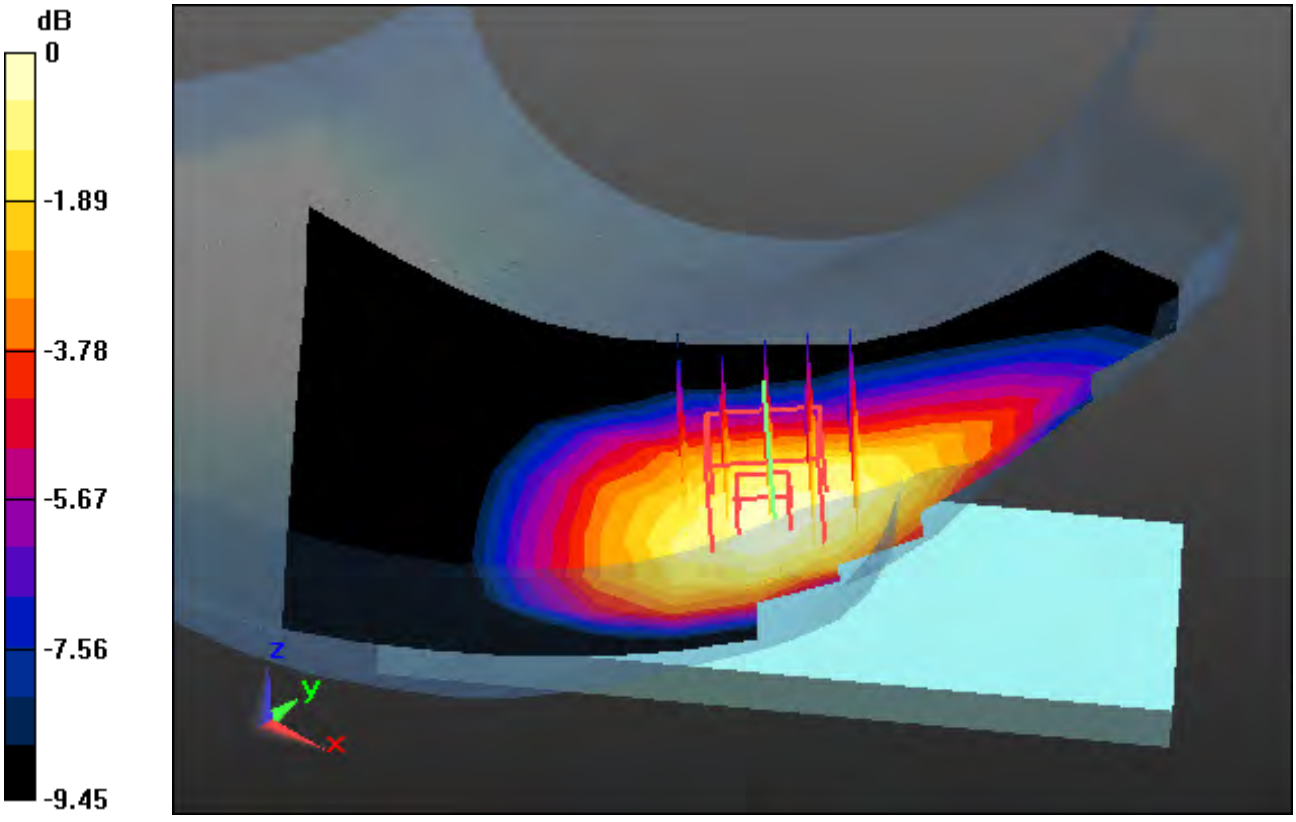
Communication System: UID 0, GSM 850_12 (0); Frequency: 836.6 MHz;Duty Cycle: 1:2.075
Medium parameters used: f = 836.6 MHz; σ = 0.881 S/m; ε_r = 41.324; ρ = 1000 kg/m^3
Phantom section: Right Section

DASY5 Configuration:
Probe: EX3DV4 - SN3933; ConvF(10.26, 10.26, 10.26); Calibrated: 9/25/2018; Electronics: DAE4 Sn1396
Sensor-Surface: 2mm (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)

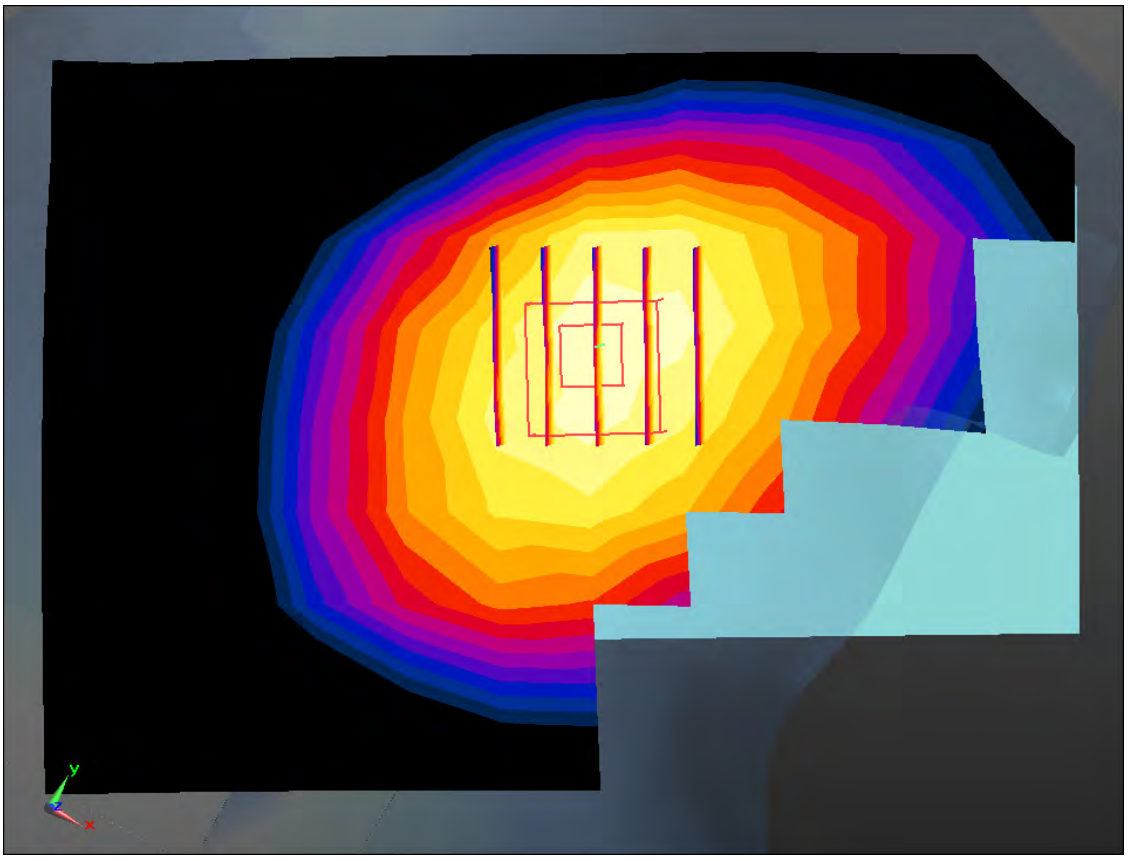
Test Date: 2018-12-28; Ambient Temp: 20.2; Tissue Temp: 21.1

Right Touch, GSM850 GPRS 4Tx Ch. 190, Ant Internal, Standard Battery

Area Scan (9x14x1): Measurement grid: dx=15mm, dy=15mm
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Power Drift = 0.13 dB
Peak SAR (extrapolated) = 0.394 W/kg
SAR(1 g) = 0.317 W/kg; SAR(10 g) = 0.245 W/kg



0 dB = 0.359 W/kg



Enlarged Plot for A2

DT&C Co., Ltd.

DUT: LM-X420HM; Type: Bar

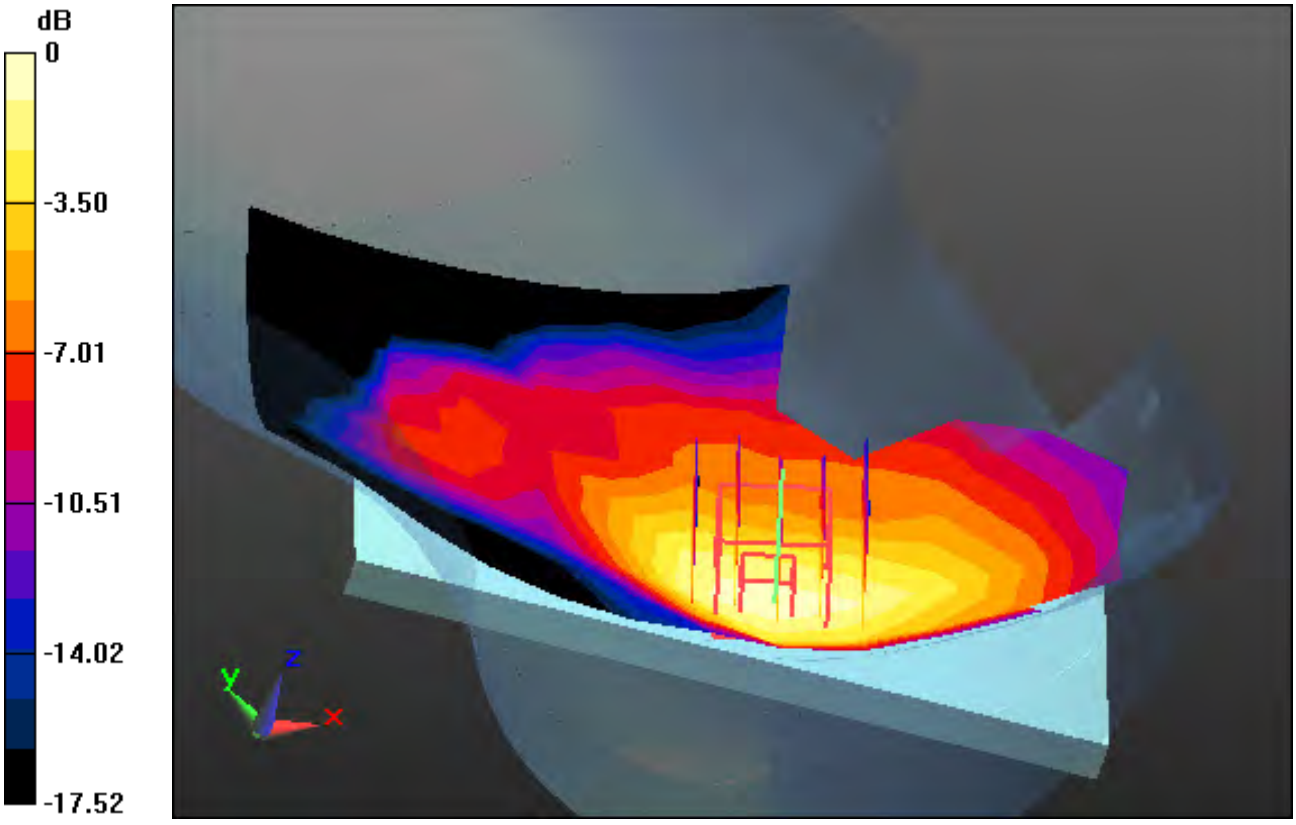
Communication System: UID 0, PCS 1900 (0); Frequency: 1880 MHz;Duty Cycle: 1:8.3
Medium parameters used: f = 1880 MHz; σ = 1.395 S/m; ε_r = 39.133; ρ = 1000 kg/m^3
Phantom section: Left Section

DASY5 Configuration:
Probe: EX3DV4 - SN3933; ConvF(8.54, 8.54, 8.54); Calibrated: 9/25/2018; Electronics: DAE4 Sn1396
Sensor-Surface: 2mm (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)

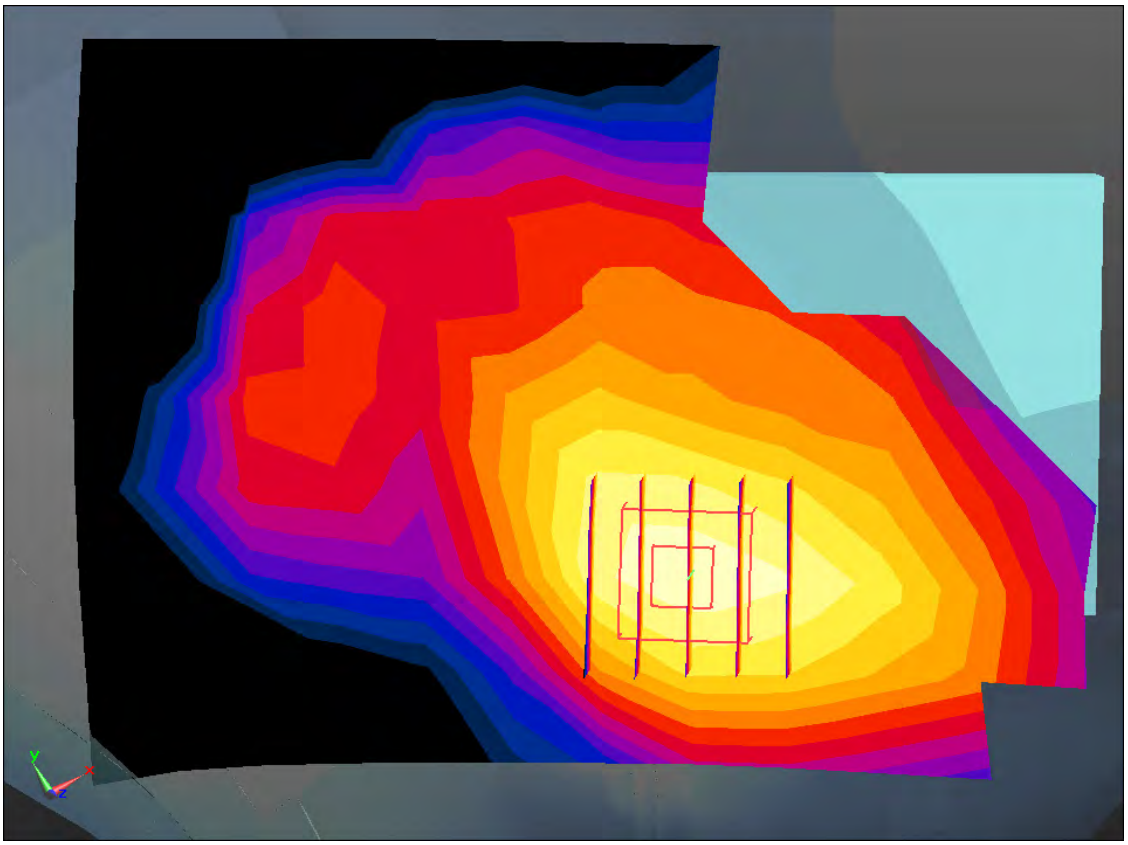
Test Date: 2018-12-29; Ambient Temp: 20.1; Tissue Temp: 20.9

Left Touch, PCS1900 Ch. 661, Ant Internal, Standard Battery

Area Scan (9x14x1): Measurement grid: dx=15mm, dy=15mm
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Power Drift = 0.05 dB
Peak SAR (extrapolated) = 0.340 W/kg
SAR(1 g) = 0.213 W/kg; SAR(10 g) = 0.131 W/kg



0 dB = 0.276 W/kg



Enlarged Plot for A3

DT&C Co., Ltd.

DUT: LM-X420HM; Type: Bar

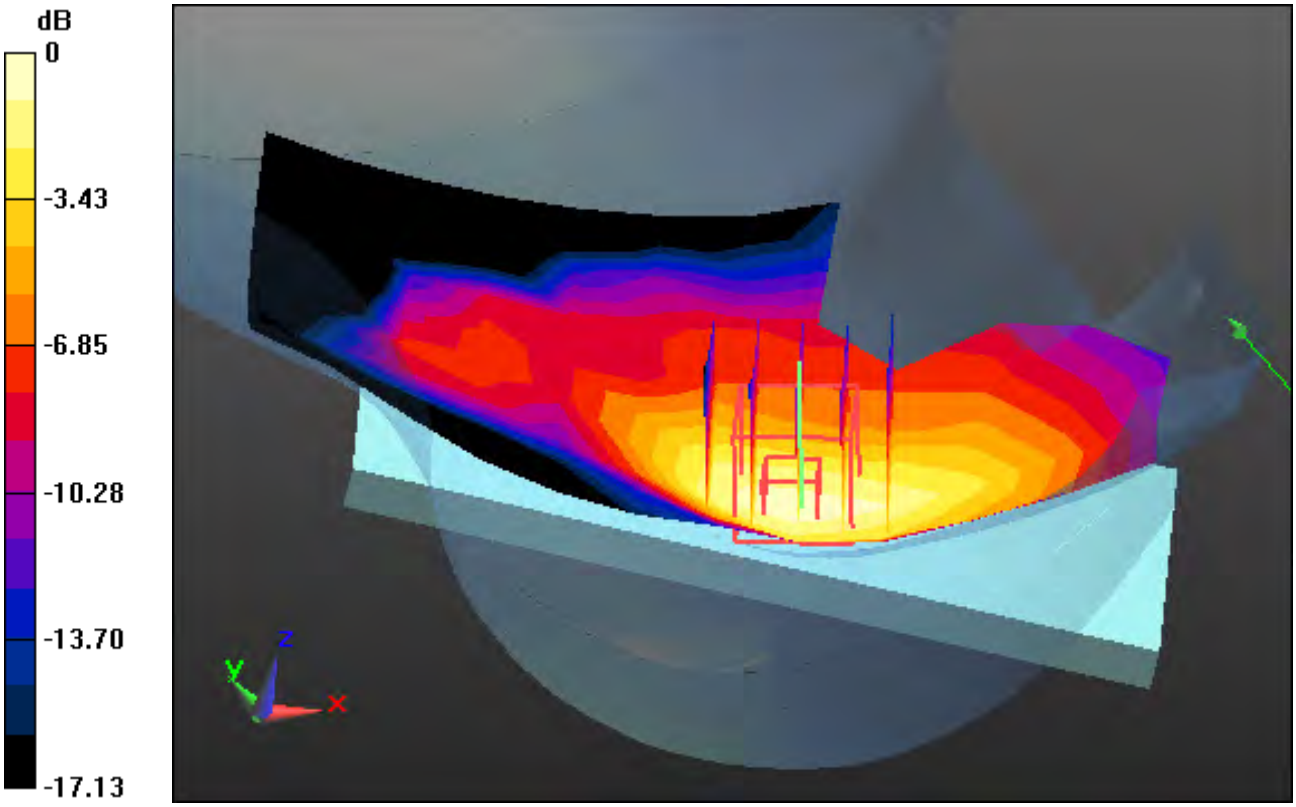
Communication System: UID 0, PCS1900_Class 12 (0); Frequency: 1880 MHz;Duty Cycle: 1:2.075
Medium parameters used: f = 1880 MHz; σ = 1.395 S/m; ε_r = 39.133; ρ = 1000 kg/m^3
Phantom section: Left Section

DASY5 Configuration:
Probe: EX3DV4 - SN3933; ConvF(8.54, 8.54, 8.54); Calibrated: 9/25/2018; Electronics: DAE4 Sn1396
Sensor-Surface: 2mm (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)

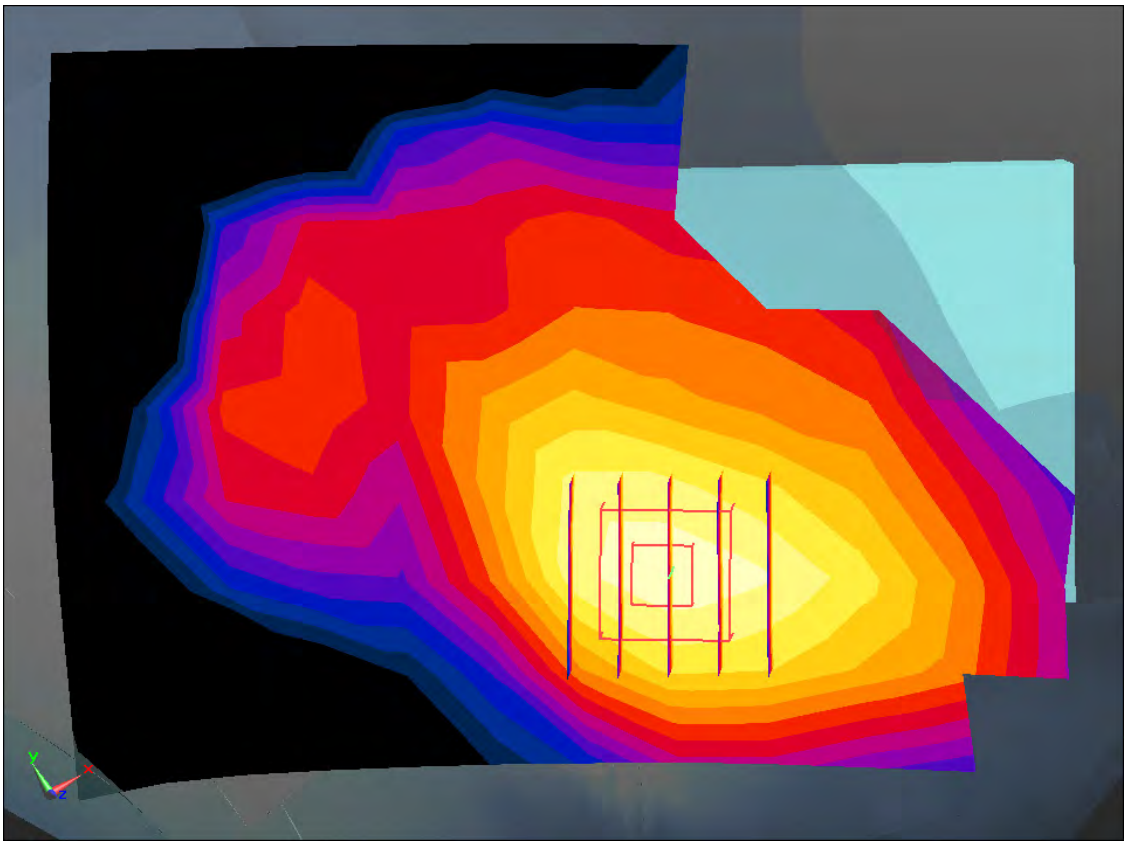
Test Date: 2018-12-29; Ambient Temp: 20.1; Tissue Temp: 20.9

Left Touch, PCS1900 GPRS 4Tx Ch. 661, Ant Internal, Standard Battery

Area Scan (9x14x1): Measurement grid: dx=15mm, dy=15mm
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Power Drift = 0.12 dB
Peak SAR (extrapolated) = 0.489 W/kg
SAR(1 g) = 0.306 W/kg; SAR(10 g) = 0.189 W/kg



0 dB = 0.399 W/kg



Enlarged Plot for A4

DT&C Co., Ltd.

DUT: LM-X420HM; Type: Bar

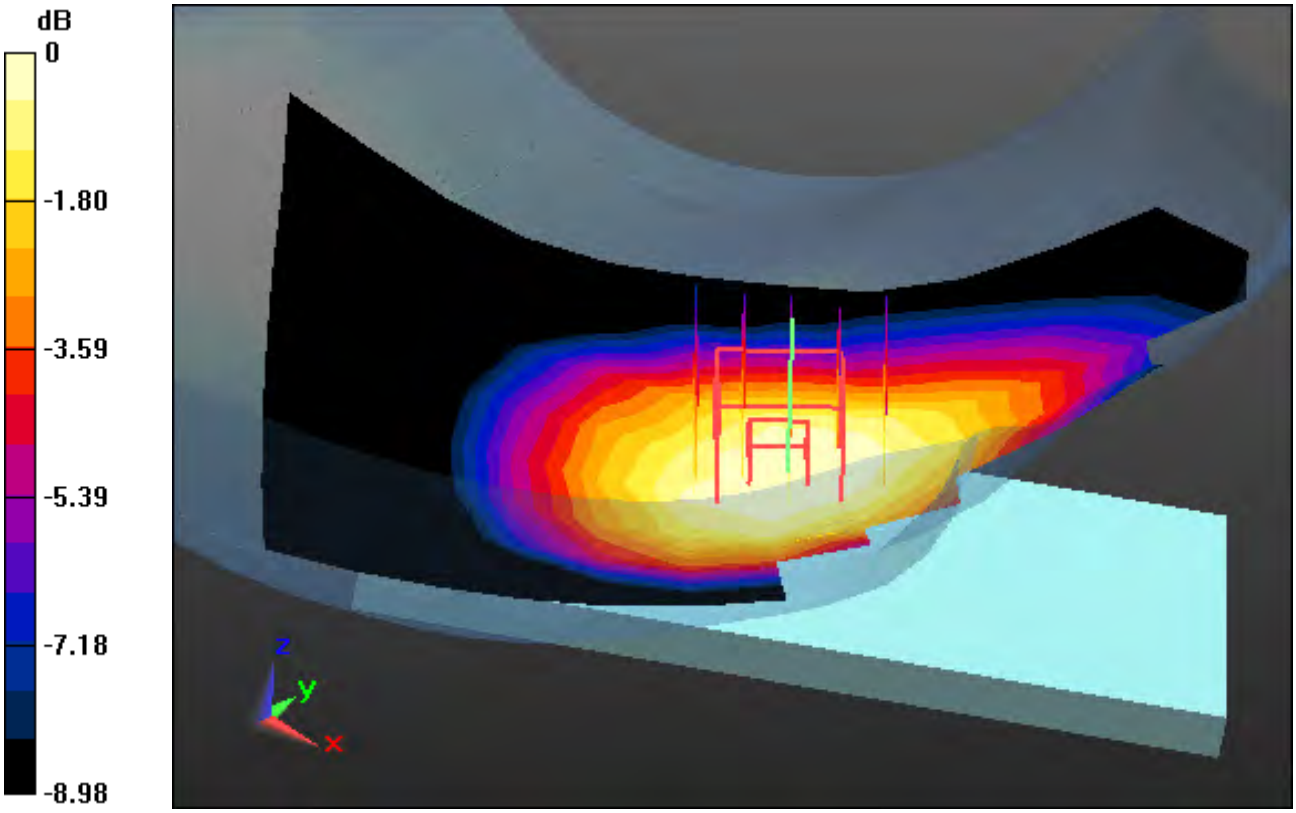
Communication System: UID 0, WCDMA 850 (0); Frequency: 836.6 MHz;Duty Cycle: 1:1
Medium parameters used: f = 836.6 MHz; σ = 0.877 S/m; ε_r = 41.24; ρ = 1000 kg/m^3
Phantom section: Right Section

DASY5 Configuration:
Probe: EX3DV4 - SN3933; ConvF(10.26, 10.26, 10.26); Calibrated: 9/25/2018; Electronics: DAE4 Sn1396
Sensor-Surface: 2mm (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)

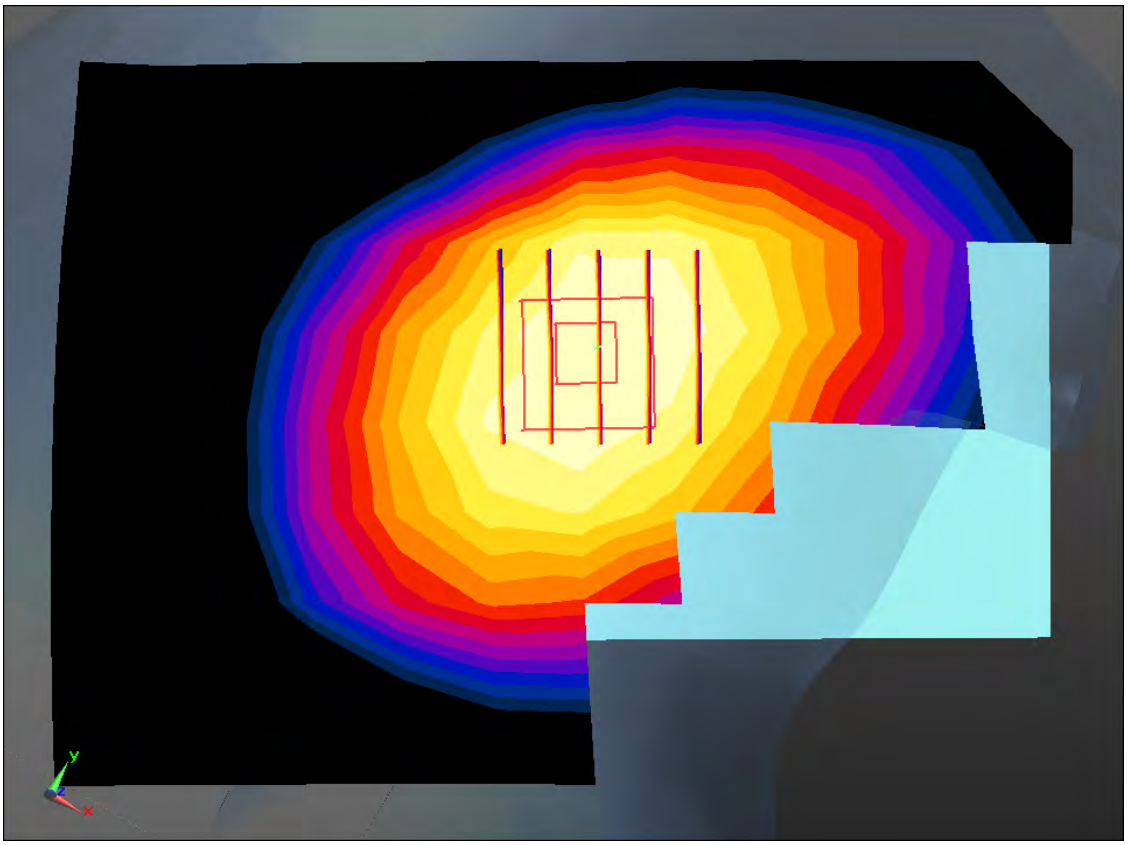
Test Date: 2019-01-02; Ambient Temp: 20.3; Tissue Temp: 21.1

Right Touch, WCDMA Band 5 Ch. 4183, Ant Internal, Standard Battery

Area Scan (9x14x1): Measurement grid: dx=15mm, dy=15mm
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Power Drift = 0.07 dB
Peak SAR (extrapolated) = 0.554 W/kg
SAR(1 g) = 0.451 W/kg; SAR(10 g) = 0.350 W/kg



0 dB = 0.507 W/kg



Enlarged Plot for A5

DT&C Co., Ltd.

DUT: LM-X420HM; Type: Bar

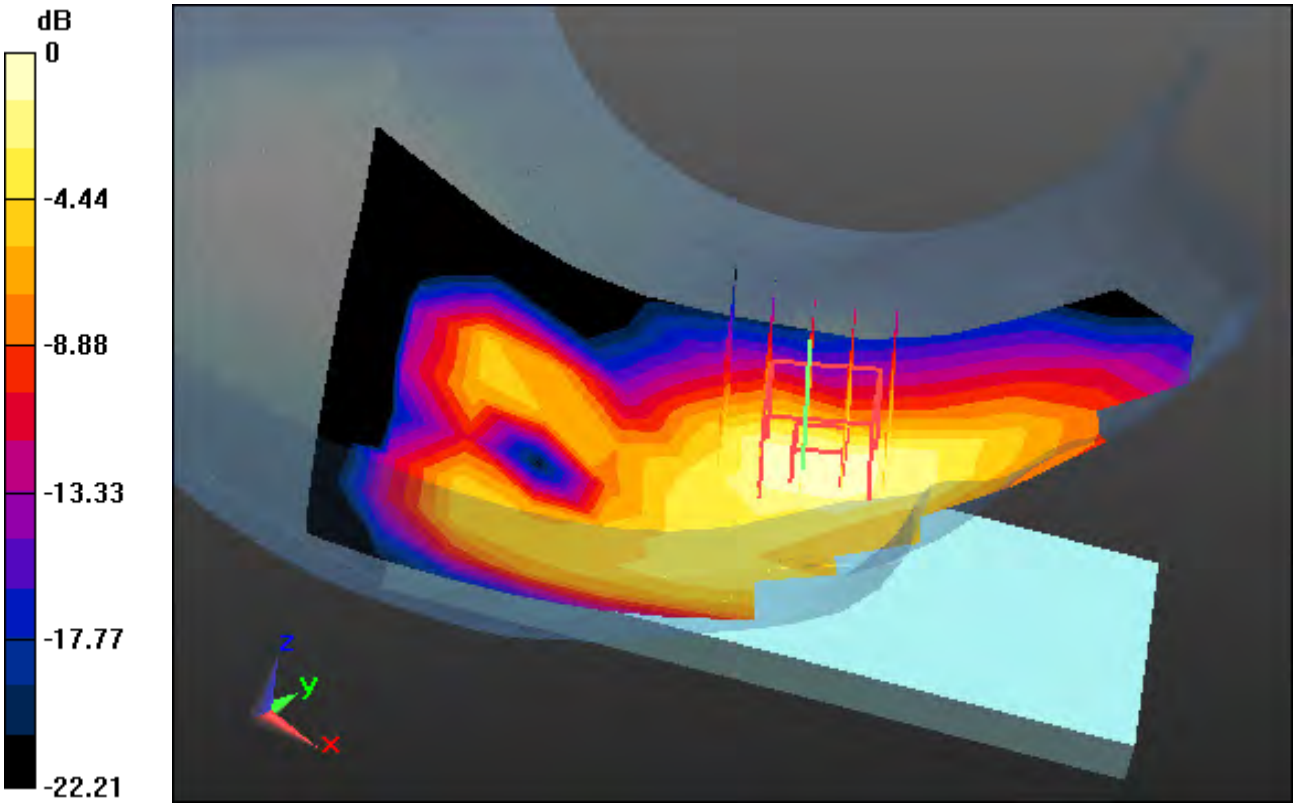
Communication System: UID 0, WCDMA Band 4 (0); Frequency: 1732.4 MHz;Duty Cycle: 1:1
Medium parameters used: f = 1732.4 MHz; σ = 1.322 S/m; ε_r = 40.599; ρ = 1000 kg/m^3
Phantom section: Right Section

DASY5 Configuration:
Probe: EX3DV4 - SN3933; ConvF(8.83, 8.83, 8.83); Calibrated: 9/25/2018; Electronics: DAE4 Sn1396
Sensor-Surface: 2mm (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)

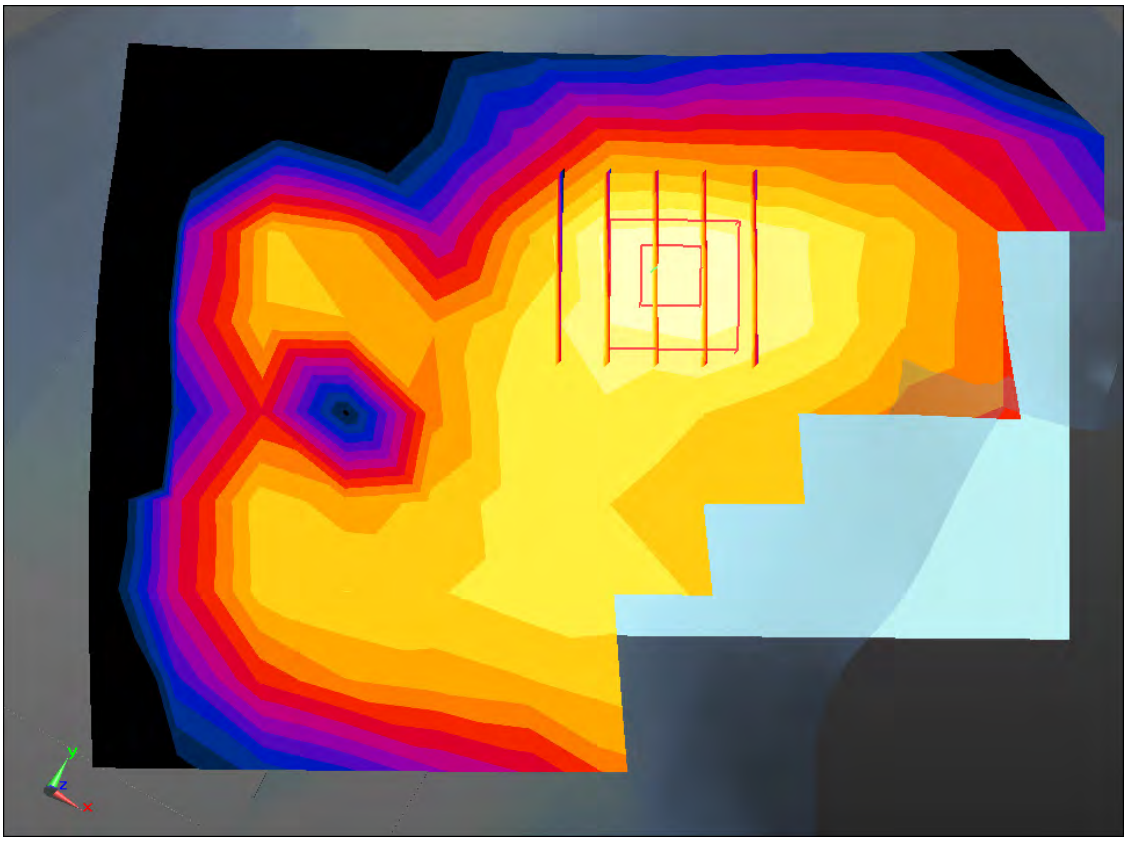
Test Date: 2019-01-01; Ambient Temp: 20.1; Tissue Temp: 21.2

Right Touch, WCDMA Band 4 Ch. 1412, Ant Internal, Standard Battery

Area Scan (9x14x1): Measurement grid: dx=15mm, dy=15mm
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Power Drift = 0.19 dB
Peak SAR (extrapolated) = 0.291 W/kg
SAR(1 g) = 0.195 W/kg; SAR(10 g) = 0.121 W/kg



0 dB = 0.244 W/kg



Enlarged Plot for A6

DT&C Co., Ltd.

DUT: LM-X420HM; Type: Bar

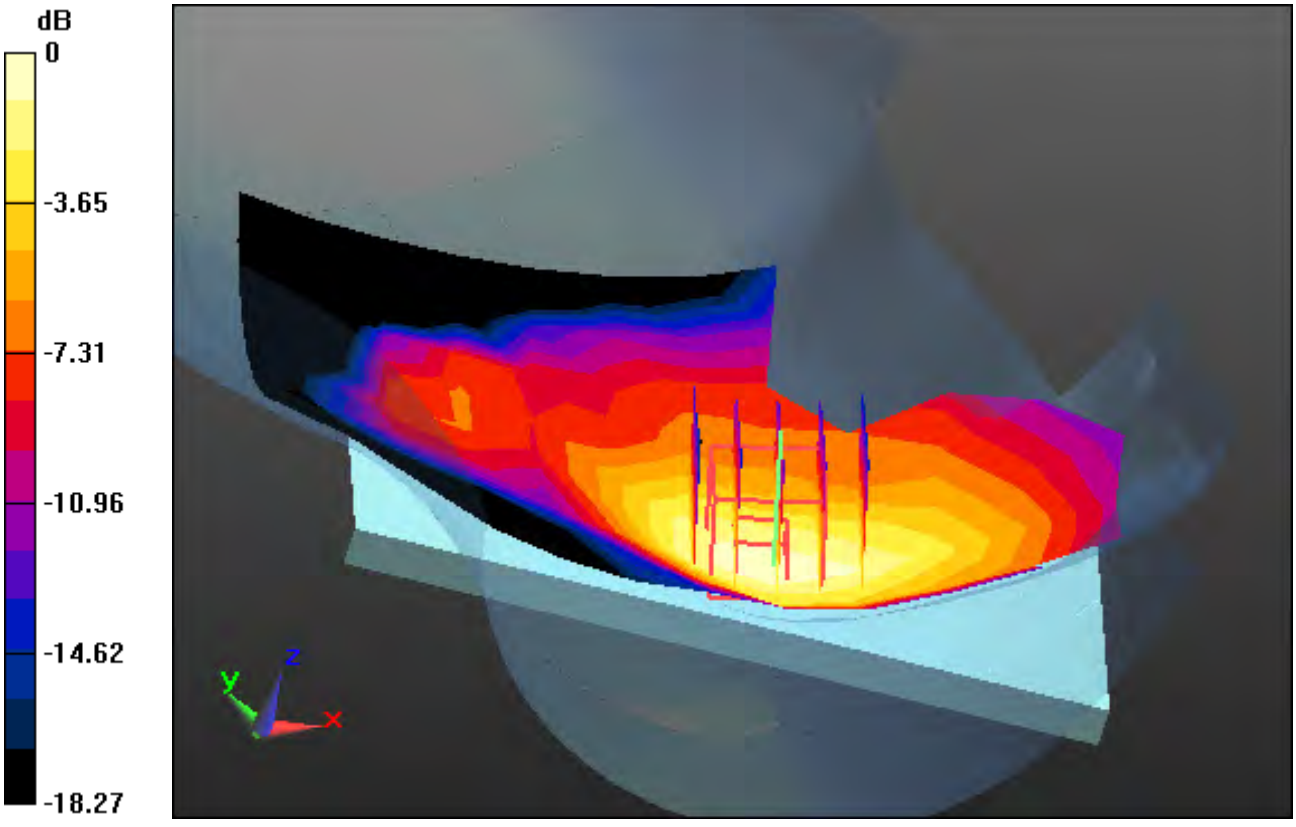
Communication System: UID 0, WCDMA 1900 (0); Frequency: 1880 MHz;Duty Cycle: 1:1
Medium parameters used: f = 1880 MHz; σ = 1.395 S/m; ε_r = 39.49; ρ = 1000 kg/m^3
Phantom section: Left Section

DASY5 Configuration:
Probe: EX3DV4 - SN3933; ConvF(8.54, 8.54, 8.54); Calibrated: 9/25/2018; Electronics: DAE4 Sn1396
Sensor-Surface: 2mm (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)

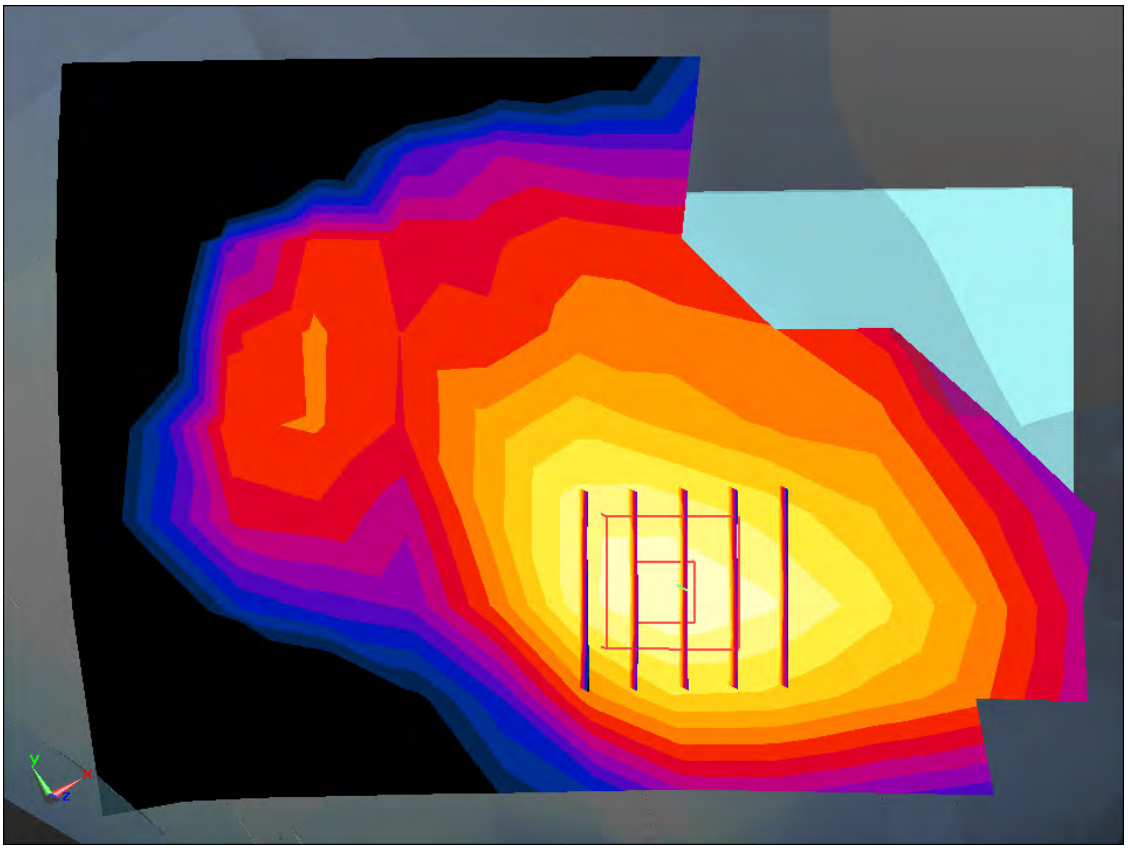
Test Date: 2018-12-31; Ambient Temp: 20.2; Tissue Temp: 20.7

Left Touch, WCDMA Band 2 Ch. 9400, Ant Internal, Standard Battery

Area Scan (9x14x1): Measurement grid: dx=15mm, dy=15mm
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Power Drift = -0.08 dB
Peak SAR (extrapolated) = 0.628 W/kg
SAR(1 g) = 0.380 W/kg; SAR(10 g) = 0.227 W/kg



0 dB = 0.500 W/kg



Enlarged Plot for A7

DT&C Co., Ltd.

DUT: LM-X420HM; Type: Bar

Communication System: UID 0, LTE Band 12 (0); Frequency: 707.5 MHz;Duty Cycle: 1:1
Medium parameters used: f = 707.5 MHz; σ = 0.858 S/m; ε_r = 41.733; ρ = 1000 kg/m^3
Phantom section: Right Section

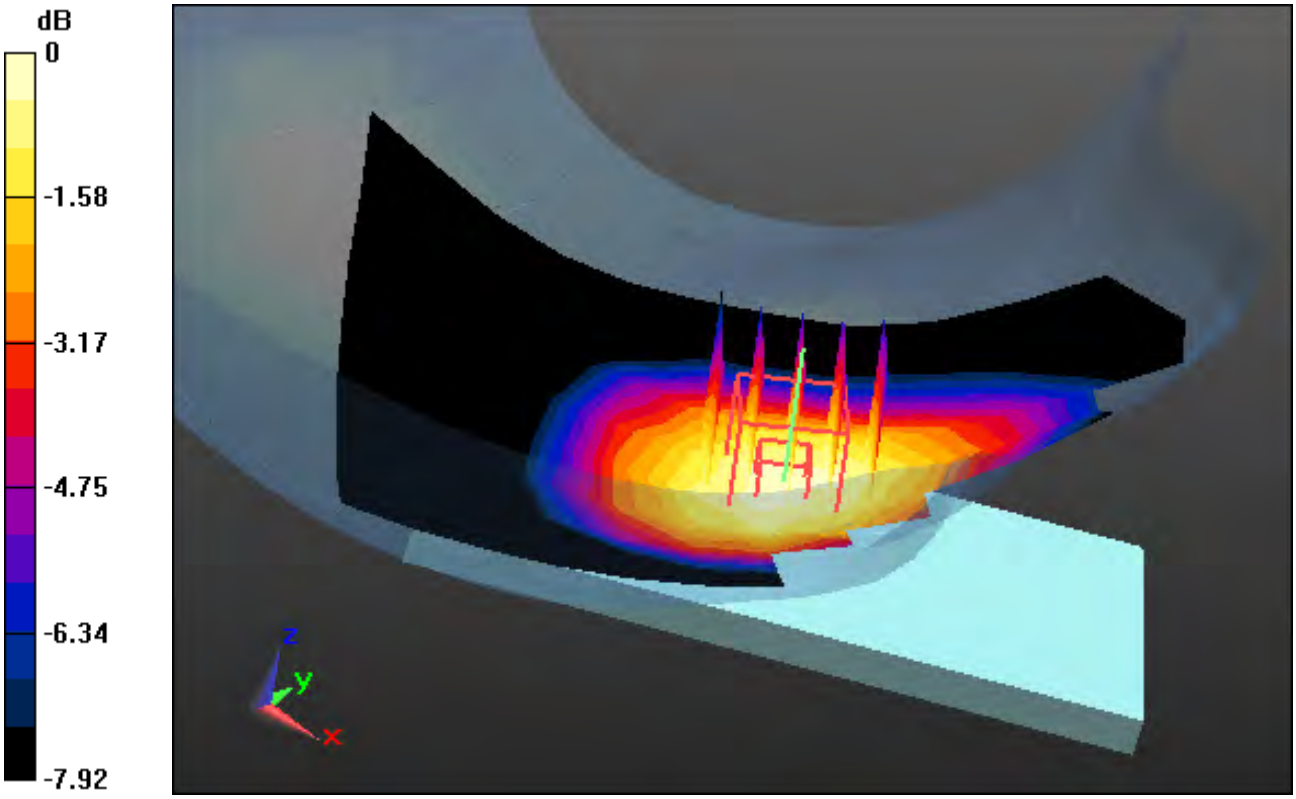
DASY5 Configuration:
Probe: EX3DV4 - SN3933; ConvF(10.76, 10.76, 10.76); Calibrated: 9/25/2018; Electronics: DAE4 Sn1396
Sensor-Surface: 2mm (Mechanical Surface Detection)
Phantom: SAM with CRP_2016_07_22_middle; Type: QD000P40CD; Serial: TP:1786
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2018-12-27; Ambient Temp: 20.6; Tissue Temp: 21.4

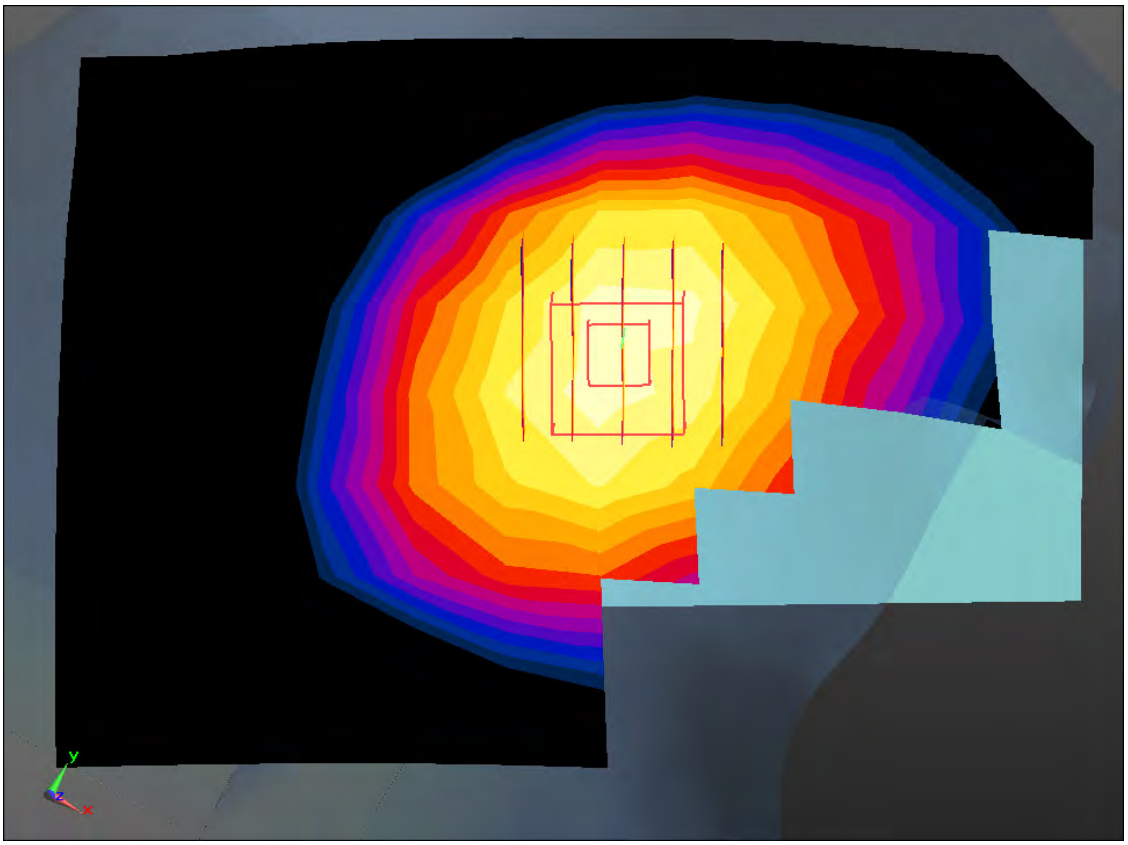
Right Touch, LTE Band 12 Ch. 23095, Ant Internal, Standard Battery

Mode : BandWidth 10 MHz, QPSK, RB Size: 1

Area Scan (9x14x1): Measurement grid: dx=15mm, dy=15mm
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Power Drift = 0.08 dB
Peak SAR (extrapolated) = 0.350 W/kg
SAR(1 g) = 0.304 W/kg; SAR(10 g) = 0.247 W/kg



0 dB = 0.332 W/kg



Enlarged Plot for A8

DT&C Co., Ltd.

DUT: LM-X420HM; Type: Bar

Communication System: UID 0, LTE Band 5(FCC) (0); Frequency: 836.5 MHz;Duty Cycle: 1:1
Medium parameters used: f = 836.5 MHz; σ = 0.878 S/m; ε_r = 41.426; ρ = 1000 kg/m^3
Phantom section: Right Section

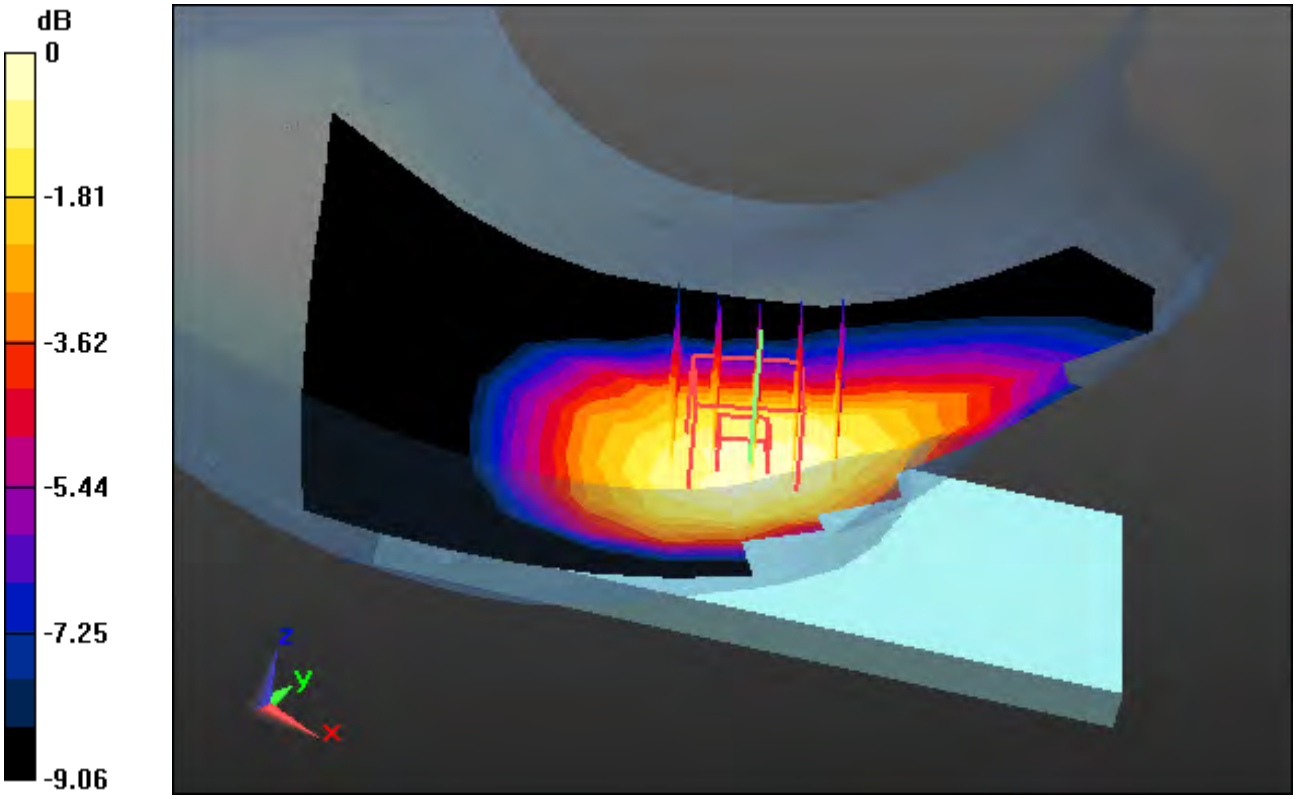
DASY5 Configuration:
Probe: EX3DV4 - SN3933; ConvF(10.26, 10.26, 10.26); Calibrated: 9/25/2018; Electronics: DAE4 Sn1396
Sensor-Surface: 2mm (Mechanical Surface Detection)
Phantom: SAM with CRP_2016_07_22_middle; Type: QD000P40CD; Serial: TP:1786
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2018-12-25; Ambient Temp: 20.2; Tissue Temp: 21.3

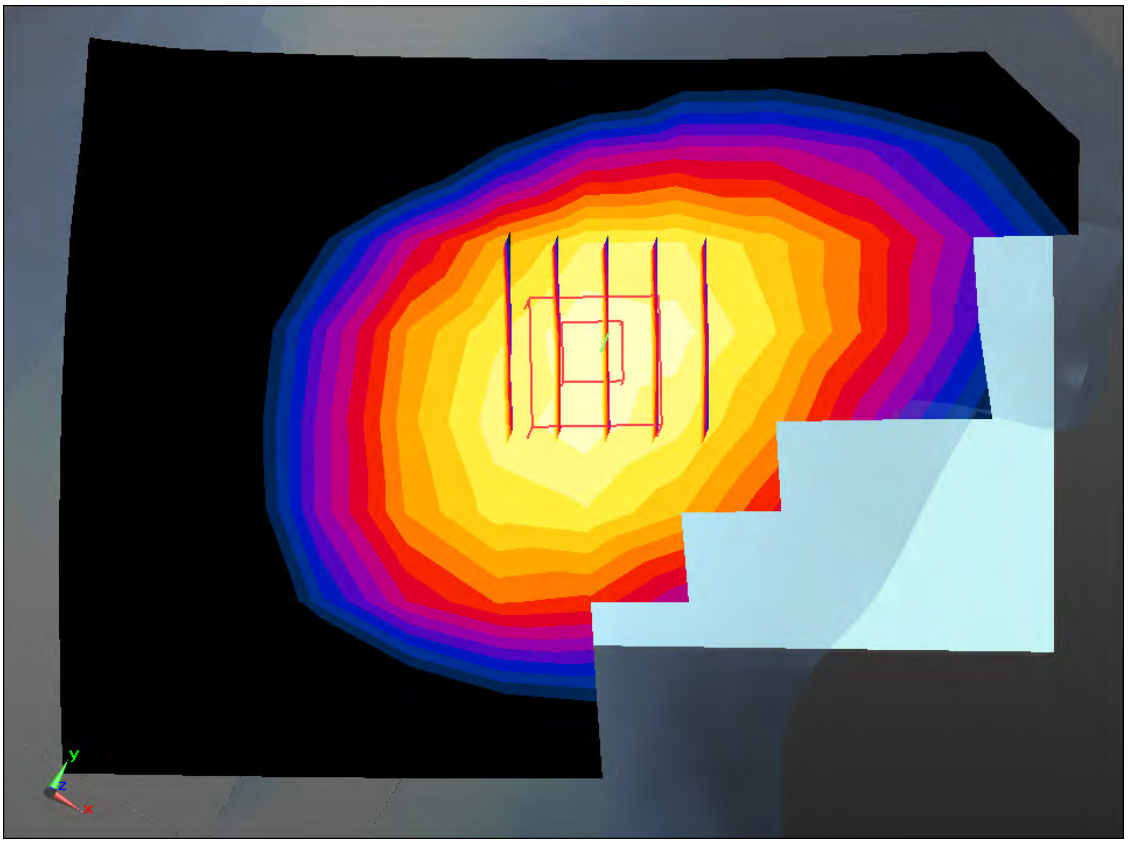
Right Touch, LTE Band 5 Ch. 20525, Ant Internal, Standard Battery

Mode : BandWidth 10 MHz, QPSK, RB Size: 1

Area Scan (9x14x1): Measurement grid: dx=15mm, dy=15mm
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Power Drift = 0.04 dB
Peak SAR (extrapolated) = 0.574 W/kg
SAR(1 g) = 0.469 W/kg; SAR(10 g) = 0.368 W/kg



0 dB = 0.526 W/kg



Enlarged Plot for A9

DT&C Co., Ltd.

DUT: LM-X420HM; Type: Bar

Communication System: UID 0, LTE Band 66 (0); Frequency: 1770 MHz;Duty Cycle: 1:1
Medium parameters used: f = 1770 MHz; σ = 1.354 S/m; ε_r = 40.898; ρ = 1000 kg/m^3
Phantom section: Left Section

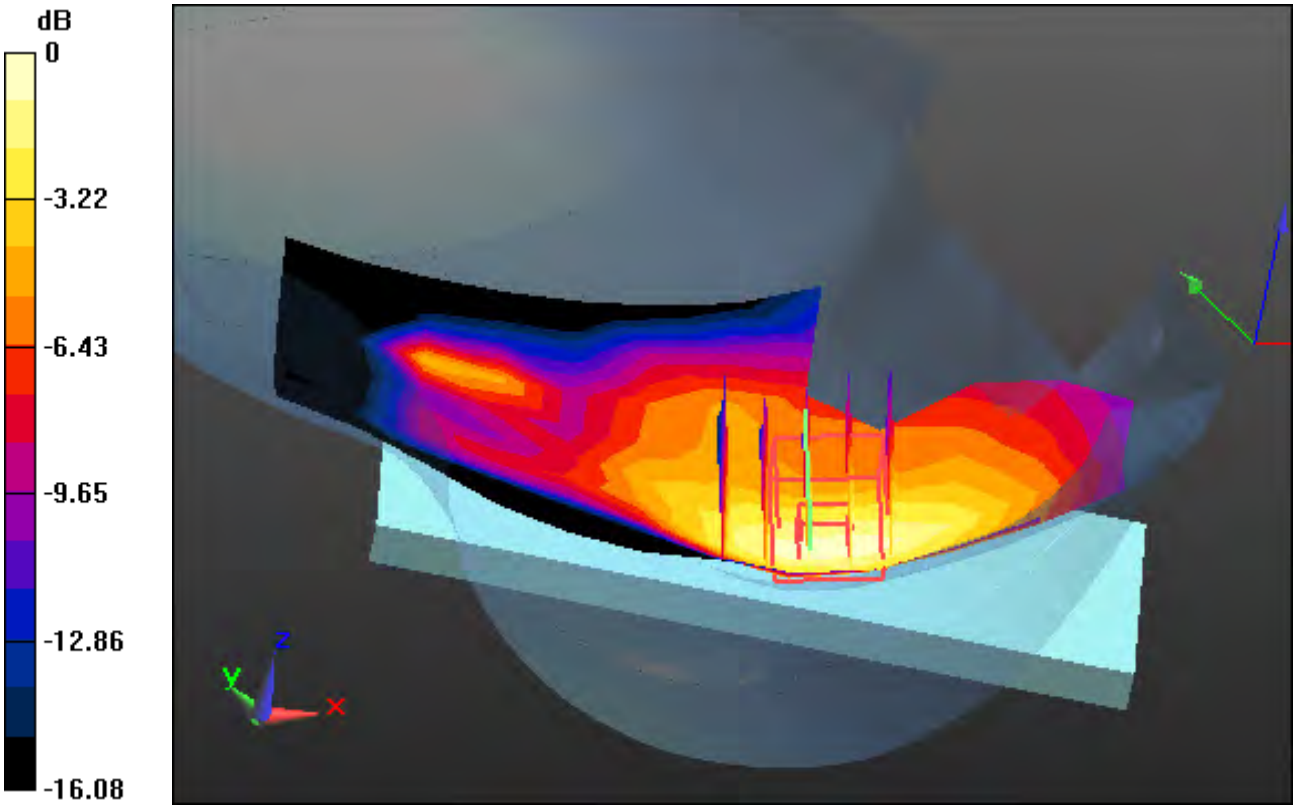
DASY5 Configuration:
Probe: EX3DV4 - SN3933; ConvF(8.83, 8.83, 8.83); Calibrated: 9/25/2018; Electronics: DAE4 Sn1396
Sensor-Surface: 2mm (Mechanical Surface Detection)
Phantom: SAM with CRP_2016_07_22_middle; Type: QD000P40CD; Serial: TP:1786
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2018-12-24; Ambient Temp: 20.4; Tissue Temp: 21.2

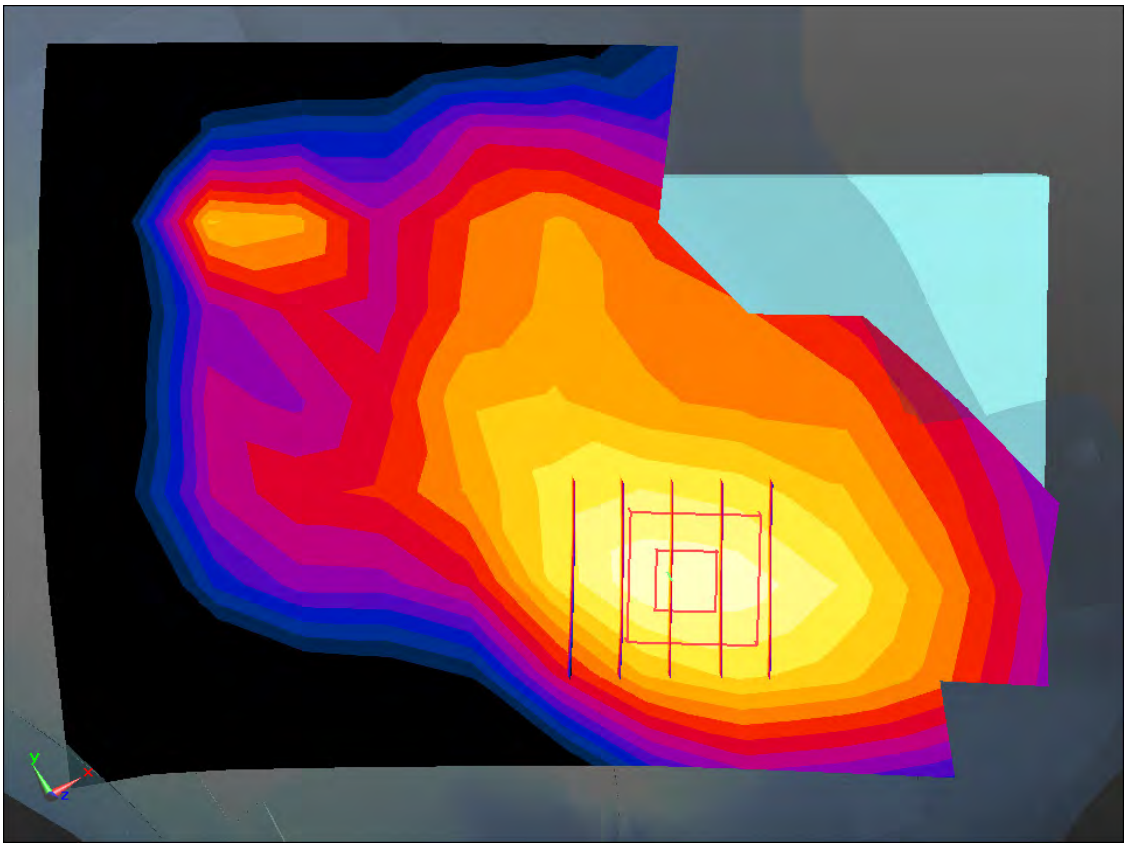
Left Touch, LTE Band 66 Ch. 132572, Ant Internal, Standard Battery

Mode : BandWidth 20 MHz, QPSK, RB Size: 1

Area Scan (9x14x1): Measurement grid: dx=15mm, dy=15mm
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Power Drift = 0.00 dB
Peak SAR (extrapolated) = 0.503 W/kg
SAR(1 g) = 0.332 W/kg; SAR(10 g) = 0.213 W/kg



0 dB = 0.421 W/kg



Enlarged Plot for A10

DT&C Co., Ltd.

DUT: LM-X420HM; Type: Bar

Communication System: UID 0, LTE Band 2 (0); Frequency: 1880 MHz;Duty Cycle: 1:1
Medium parameters used: f = 1880 MHz; σ = 1.396 S/m; ε_r = 39.583; ρ = 1000 kg/m^3
Phantom section: Left Section

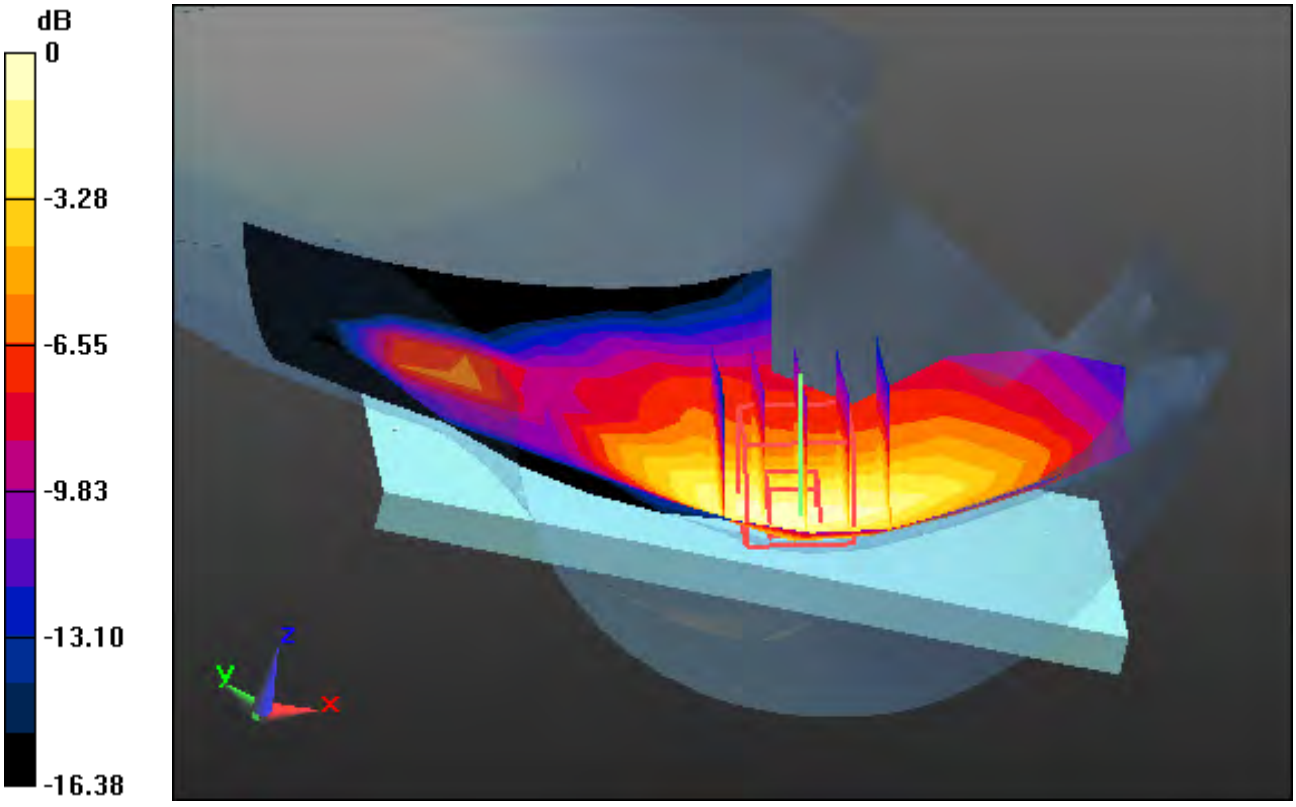
DASY5 Configuration:
Probe: EX3DV4 - SN3933; ConvF(8.54, 8.54, 8.54); Calibrated: 9/25/2018; Electronics: DAE4 Sn1396
Sensor-Surface: 2mm (Mechanical Surface Detection)
Phantom: SAM with CRP_2016_07_22_middle; Type: QD000P40CD; Serial: TP:1786
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2018-12-21; Ambient Temp: 20.2; Tissue Temp: 21.5

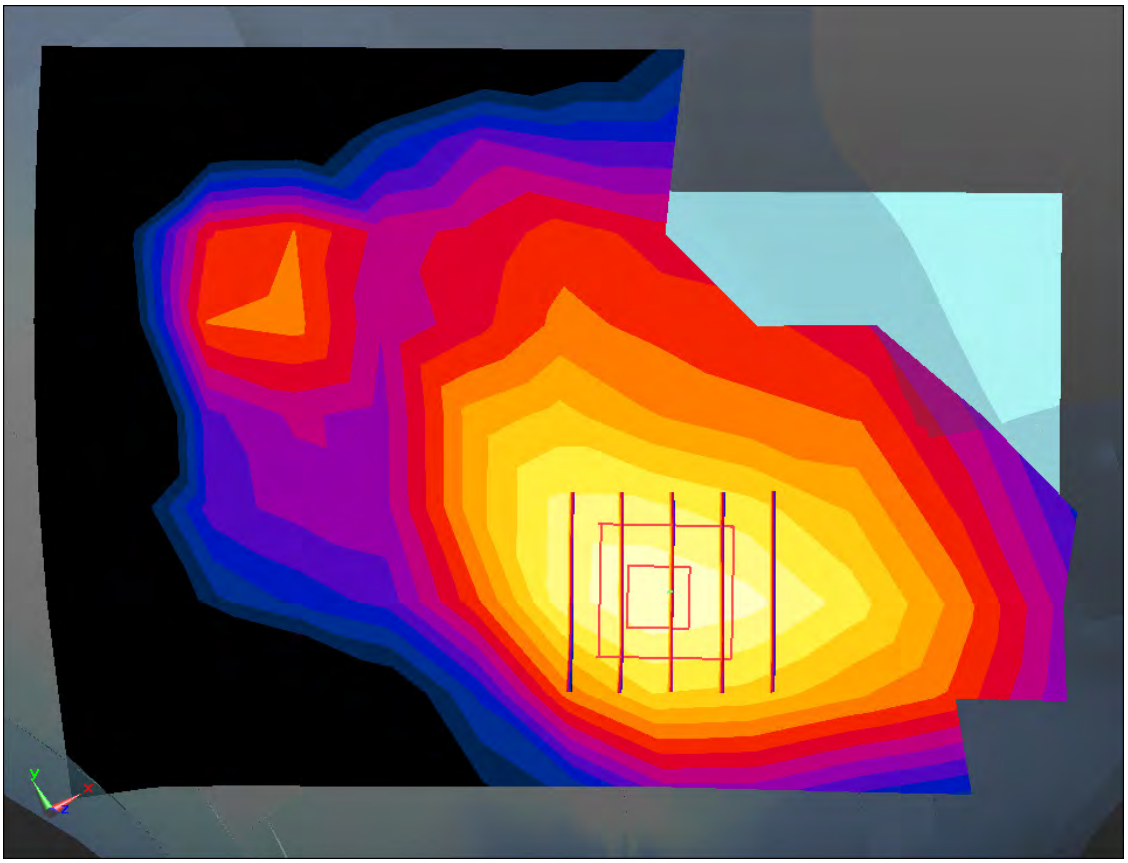
Left Touch, LTE Band 2 Ch. 18900, Ant Internal, Standard Battery

Mode : BandWidth 20 MHz, QPSK, RB Size: 1

Area Scan (9x14x1): Measurement grid: dx=15mm, dy=15mm
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Power Drift = -0.13 dB
Peak SAR (extrapolated) = 0.689 W/kg
SAR(1 g) = 0.433 W/kg; SAR(10 g) = 0.269 W/kg



0 dB = 0.564 W/kg



Enlarged Plot for A11

DT&C Co., Ltd.

DUT: LM-X420HM; Type: Bar

Communication System: UID 0, LTE Band 7(FCC) (0); Frequency: 2535 MHz;Duty Cycle: 1:1
Medium parameters used: f = 2535 MHz; σ = 1.898 S/m; ε_r = 39.513; ρ = 1000 kg/m^3
Phantom section: Left Section

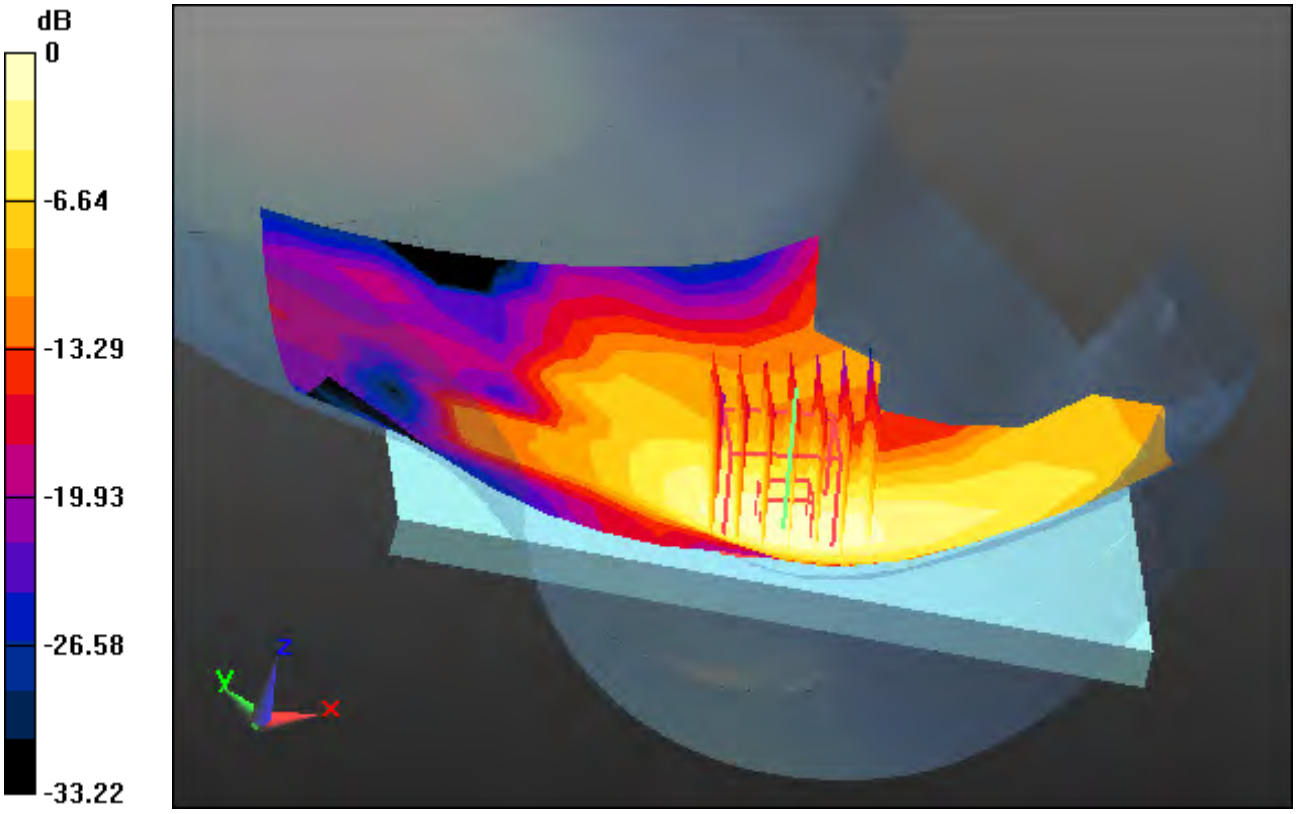
DASY5 Configuration:
Probe: EX3DV4 - SN3933; ConvF(7.41, 7.41, 7.41); Calibrated: 9/25/2018; Electronics: DAE4 Sn1396
Sensor-Surface: 2mm (Mechanical Surface Detection)
Phantom: SAM with CRP_2016_07_22_middle; Type: QD000P40CD; Serial: TP:1786
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2018-12-26; Ambient Temp: 20.3; Tissue Temp: 21.0

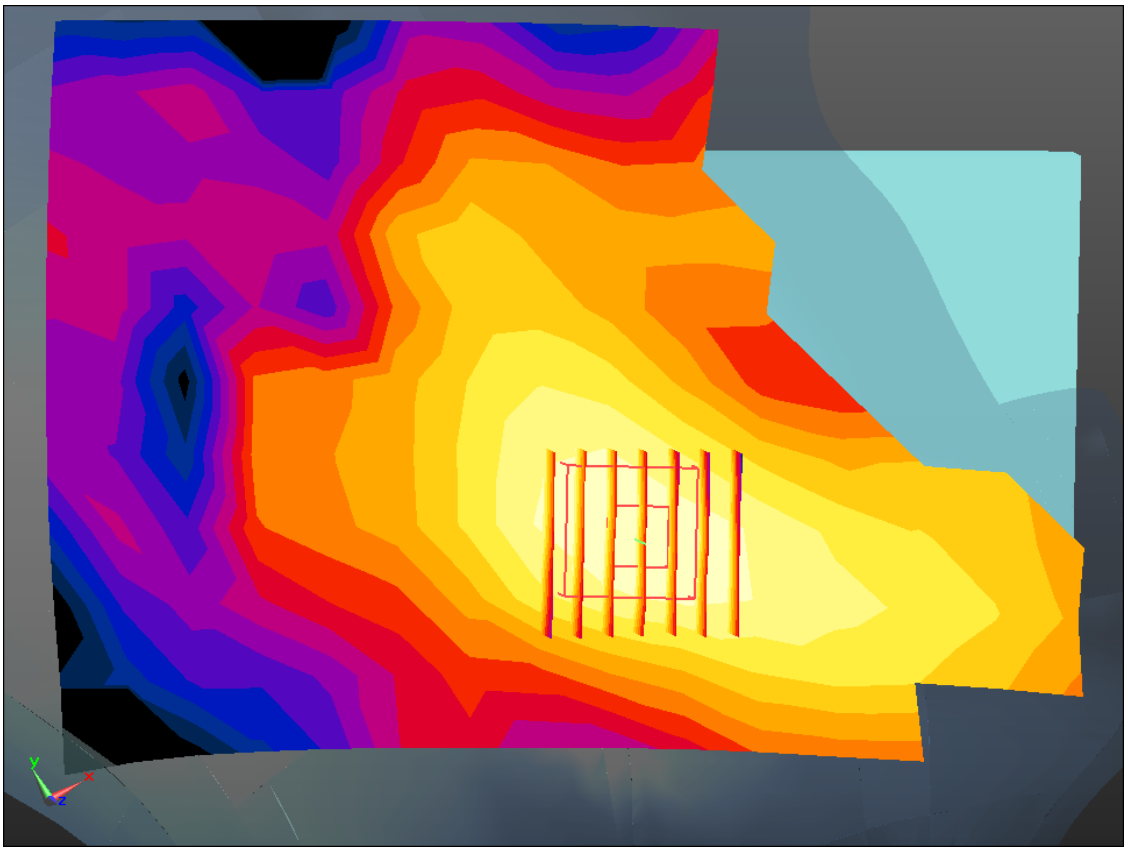
Left Touch, LTE Band 7 Ch. 21100, Ant Internal, Standard Battery

Mode : BandWidth 20 MHz, QPSK, RB Size: 1

Area Scan (11x17x1): Measurement grid: dx=12mm, dy=12mm
Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Power Drift = 0.17 dB
Peak SAR (extrapolated) = 0.401 W/kg
SAR(1 g) = 0.220 W/kg; SAR(10 g) = 0.117 W/kg



0 dB = 0.309 W/kg



Enlarged Plot for A12

DT&C Co., Ltd.

DUT: LM-X420HM; Type: Bar

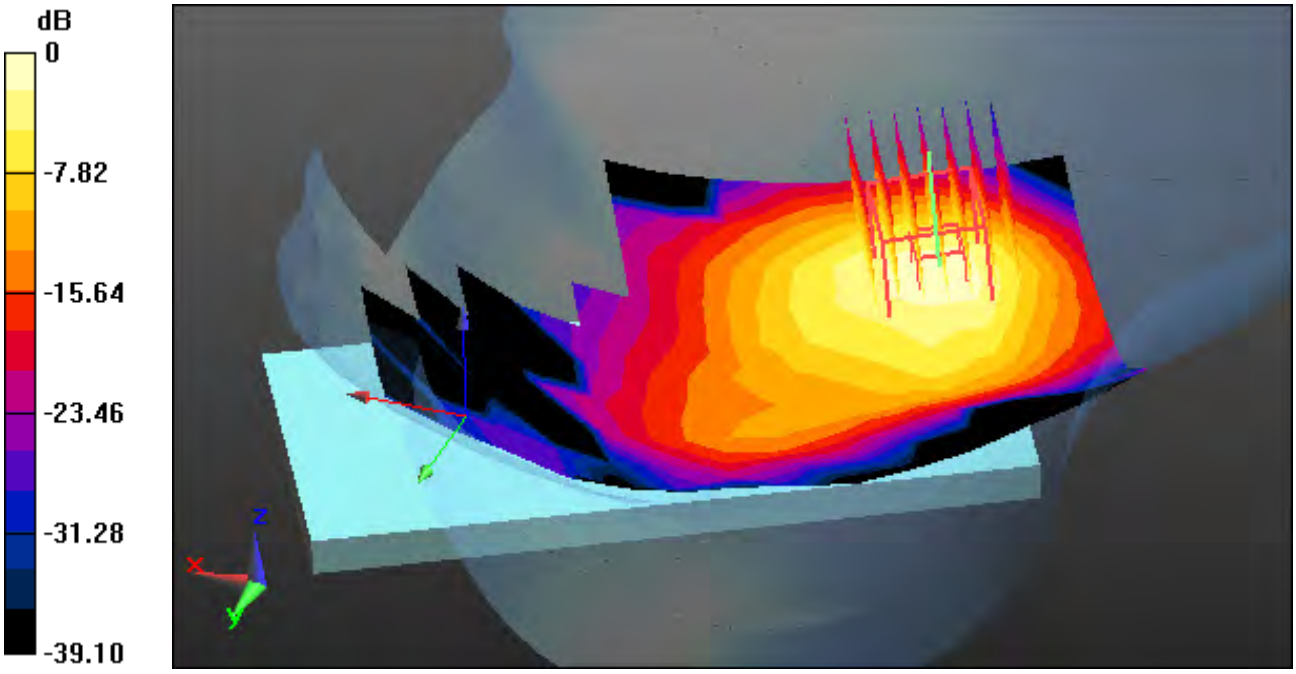
Communication System: UID 0, 00_2.4 GHz W-LAN (0); Frequency: 2412 MHz; Duty Cycle: 1:1
Medium parameters used: f = 2412 MHz; σ = 1.715 S/m; ε_r = 39.845; ρ = 1000 kg/m^3
Phantom section: Right Section

DASY5 Configuration:
Probe: EX3DV4 - SN3916; ConvF(7.72, 7.72, 7.72); Calibrated: 4/25/2018; Electronics: DAE4 Sn1394
Sensor-Surface: 2mm (Mechanical Surface Detection)
Phantom: SAM-twin middle_2013_09_24; Type: QD000P40CD; Serial: 1782
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

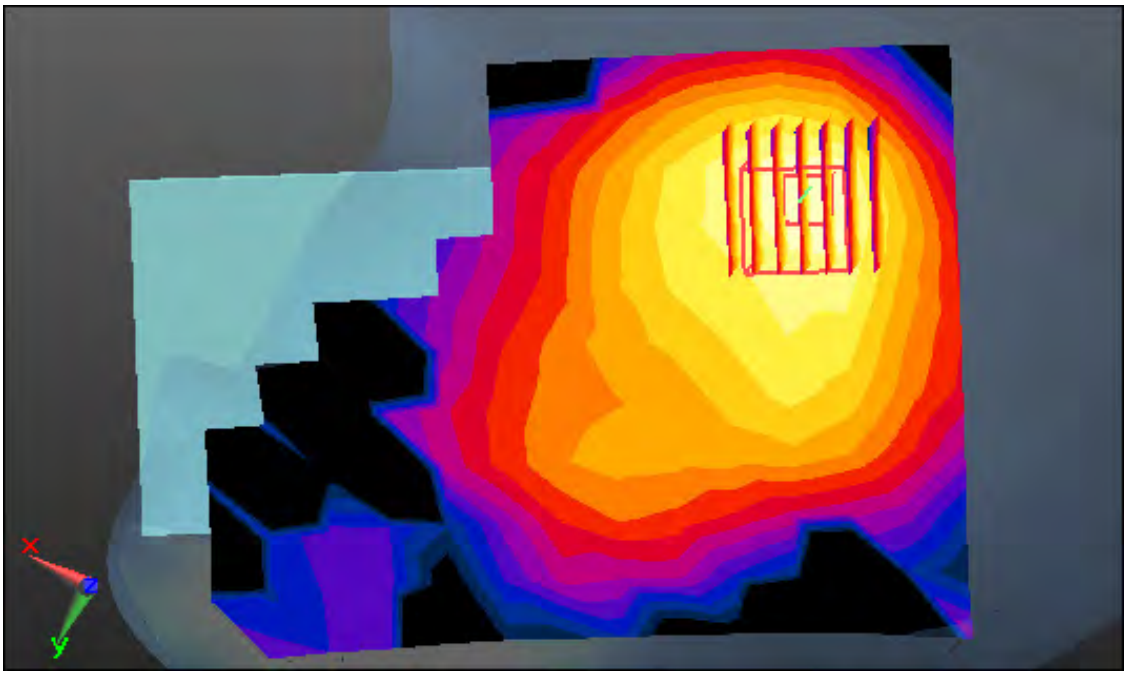
Test Date: 2019-01-01; Ambient Temp: 20.6; Tissue Temp: 20.4

Right Touch, W-LAN(802.11b - 2.4G) Ch. 1, 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 = 0.05 dB
Peak SAR (extrapolated) = 1.02 W/kg
SAR(1 g) = 0.439 W/kg; SAR(10 g) = 0.200 W/kg



0 dB = 0.700 W/kg



Enlarged Plot for A13

DT&C Co., Ltd.

DUT: LM-X420HM; Type: Bar

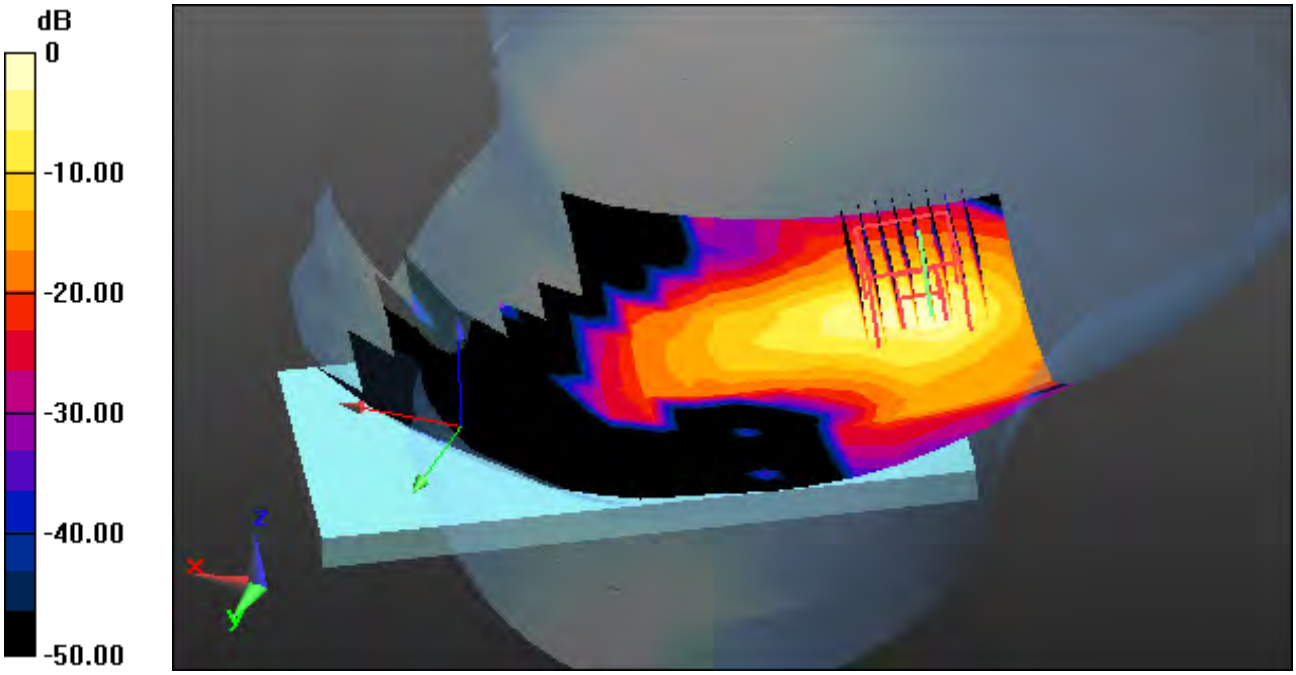
Communication System: UID 0, W-LAN_5 GHz(FCC) (0); Frequency: 5320 MHz; Duty Cycle: 1:1
Medium parameters used: f = 5320 MHz; σ = 4.629 S/m; ε_r = 35.2; ρ = 1000 kg/m^3
Phantom section: Right Section

DASY5 Configuration:
Probe: EX3DV4 - SN3916; ConvF(5.04, 5.04, 5.04); Calibrated: 4/25/2018; Electronics: DAE4 Sn1394
Sensor-Surface: 1.4mm (Mechanical Surface Detection)
Phantom: SAM-twin right_2013_09_24; Type: QD000P40CD; Serial: TP:1783
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

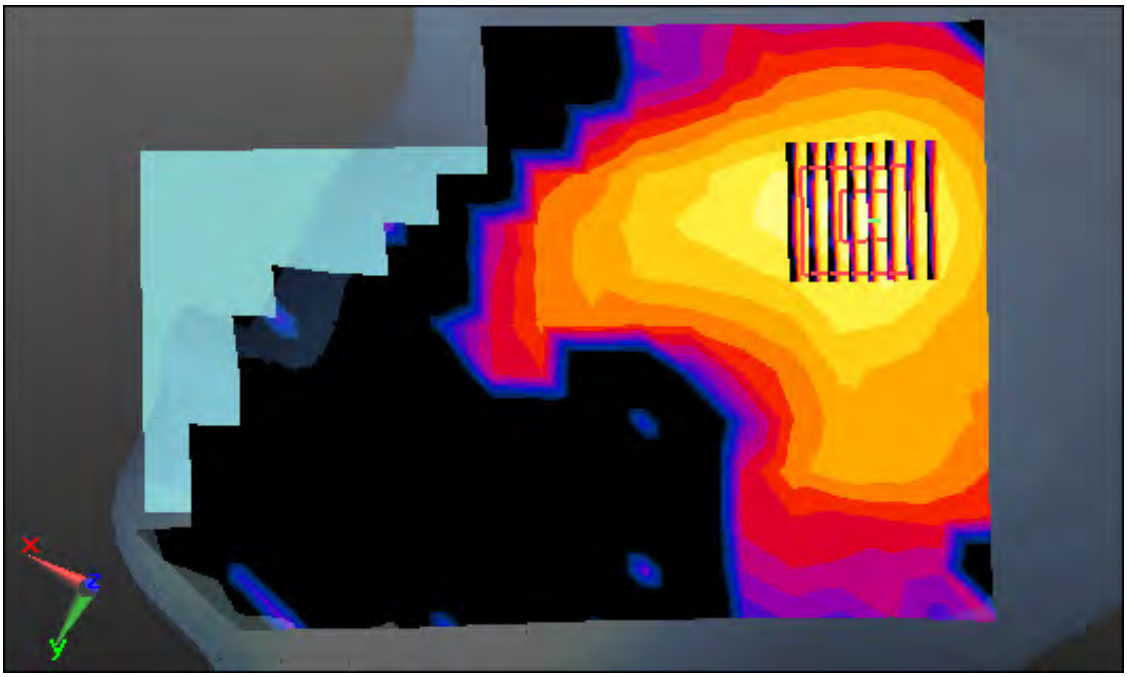
Test Date: 2019-01-08; Ambient Temp: 21.2; Tissue Temp: 21.4

Right Touch, W-LAN(802.11a - 5.3G) Ch. 64, Ant Internal, Standard Battery

Area Scan (13x21x1): Measurement grid: dx=10mm, dy=10mm
Zoom Scan (8x8x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm, Graded Ratio: 1.4
Power Drift = 0.12 dB
Peak SAR (extrapolated) = 3.24 W/kg
SAR(1 g) = 0.856 W/kg; SAR(10 g) = 0.257 W/kg



0 dB = 2.00 W/kg



Enlarged Plot for A14

DT&C Co., Ltd.

DUT: LM-X420HM; Type: Bar

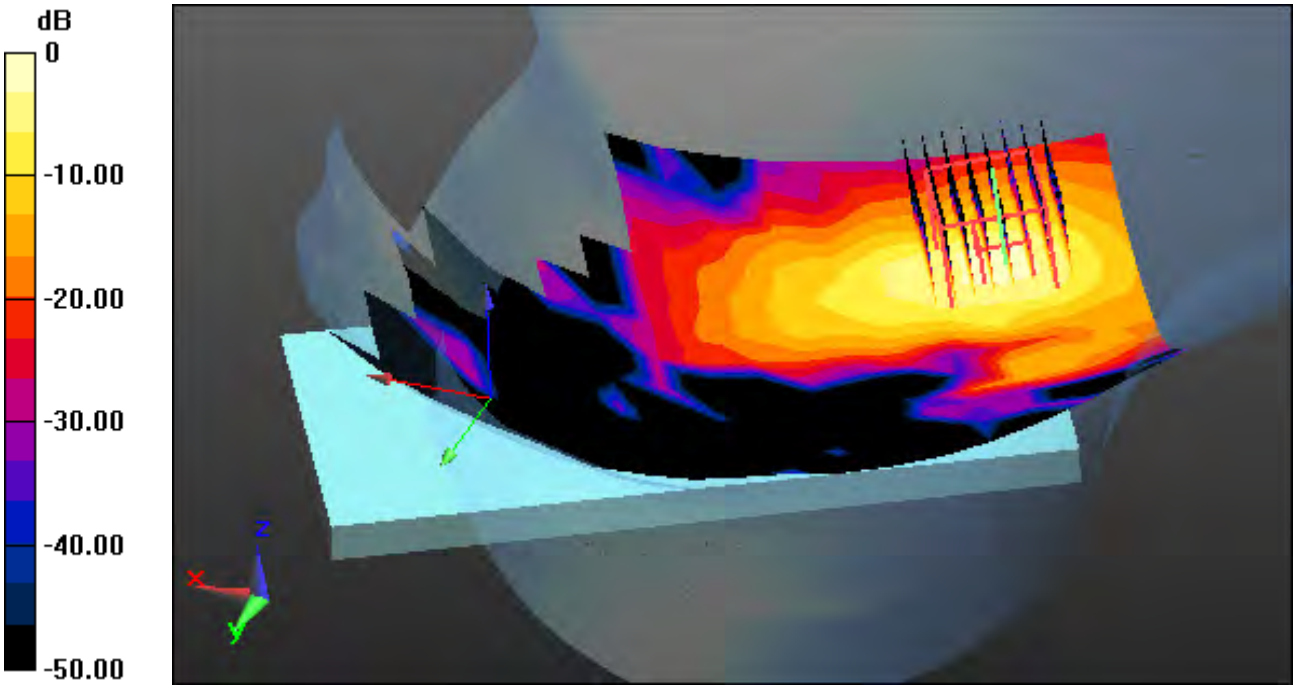
Communication System: UID 0, W-LAN_5 GHz(FCC) (0); Frequency: 5500 MHz; Duty Cycle: 1:1
Medium parameters used: f = 5500 MHz; σ = 4.812 S/m; ε_r = 35.225; ρ = 1000 kg/m^3
Phantom section: Right Section

DASY5 Configuration:
Probe: EX3DV4 - SN3916; ConvF(5.01, 5.01, 5.01); Calibrated: 4/25/2018; Electronics: DAE4 Sn1394
Sensor-Surface: 1.4mm (Mechanical Surface Detection)
Phantom: SAM-twin right_2013_09_24; Type: QD000P40CD; Serial: TP:1783
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

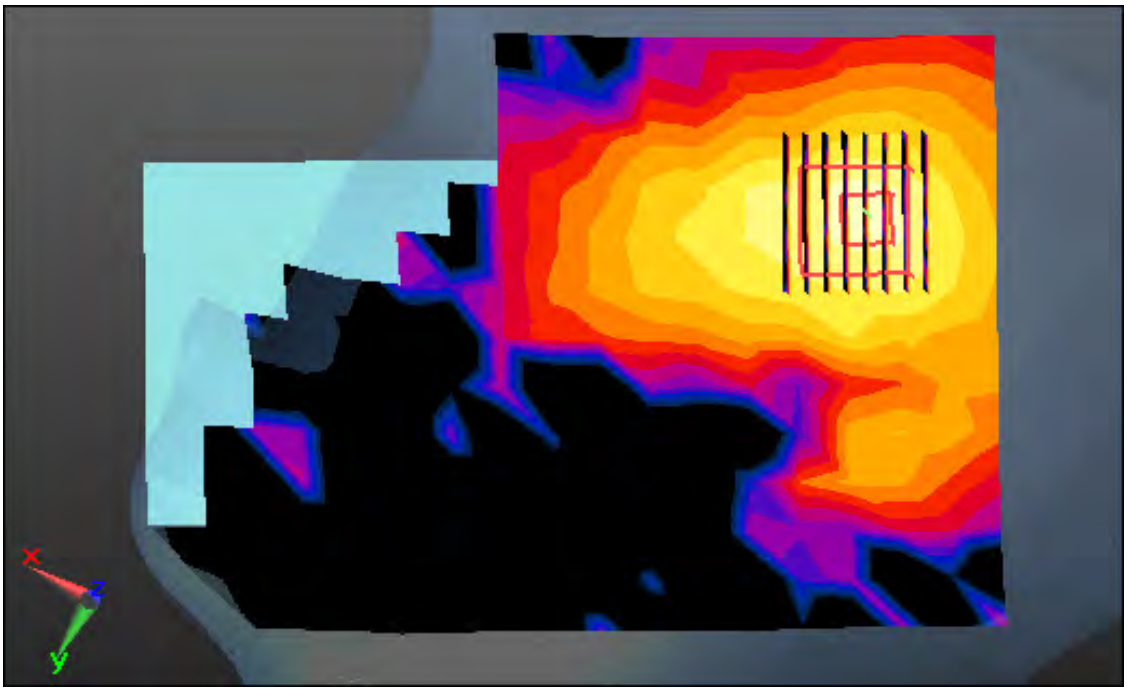
Test Date: 2019-01-09; Ambient Temp: 21.1; Tissue Temp: 20.8

Right Touch, W-LAN(802.11a - 5.6G) Ch. 100, Ant Internal, Standard Battery

Area Scan (13x21x1): Measurement grid: dx=10mm, dy=10mm
Zoom Scan (9x8x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm, Graded Ratio: 1.4
Power Drift = -0.08 dB
Peak SAR (extrapolated) = 2.92 W/kg
SAR(1 g) = 0.711 W/kg; SAR(10 g) = 0.225 W/kg



0 dB = 1.84 W/kg



Enlarged Plot for A15

DT&C Co., Ltd.

DUT: LM-X420HM; Type: Bar

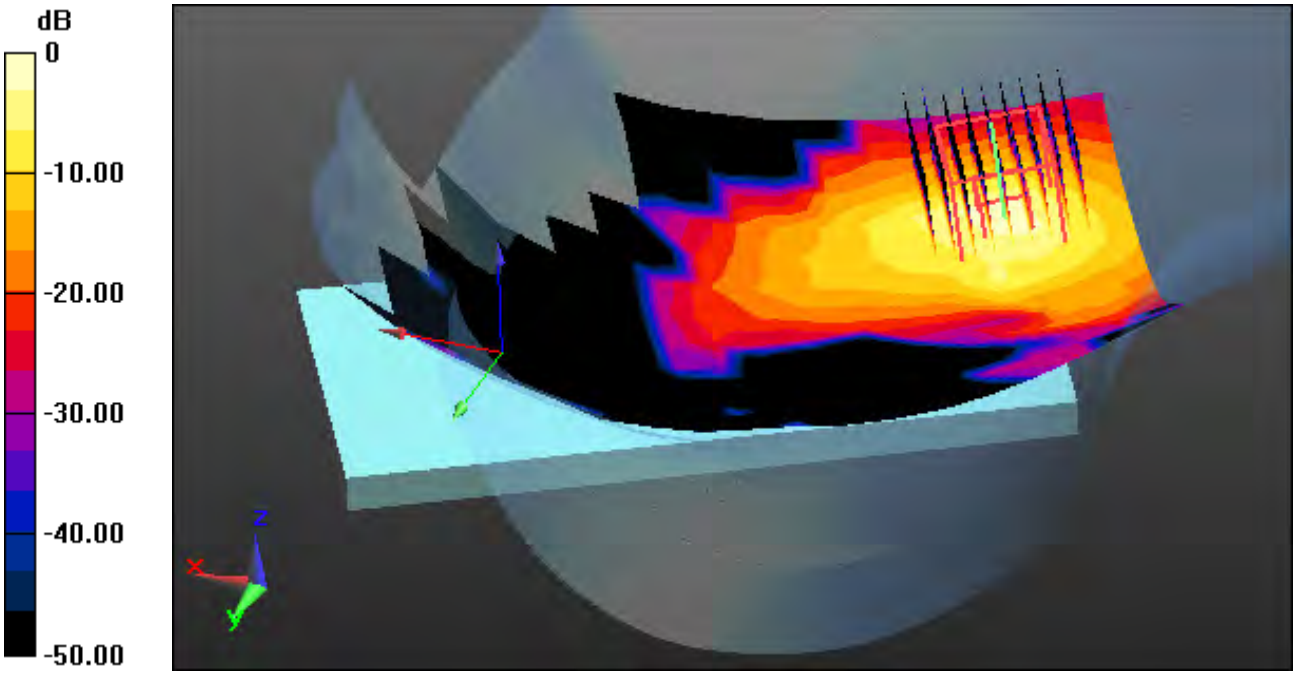
Communication System: UID 0, W-LAN_5 GHz(FCC) (0); Frequency: 5825 MHz; Duty Cycle: 1:1
Medium parameters used: f = 5825 MHz; σ = 5.138 S/m; ε_r = 34.565; ρ = 1000 kg/m^3
Phantom section: Right Section

DASY5 Configuration:
Probe: EX3DV4 - SN3916; ConvF(4.94, 4.94, 4.94); Calibrated: 4/25/2018; Electronics: DAE4 Sn1394
Sensor-Surface: 1.4mm (Mechanical Surface Detection)
Phantom: SAM-twin right_2013_09_24; Type: QD000P40CD; Serial: TP:1783
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

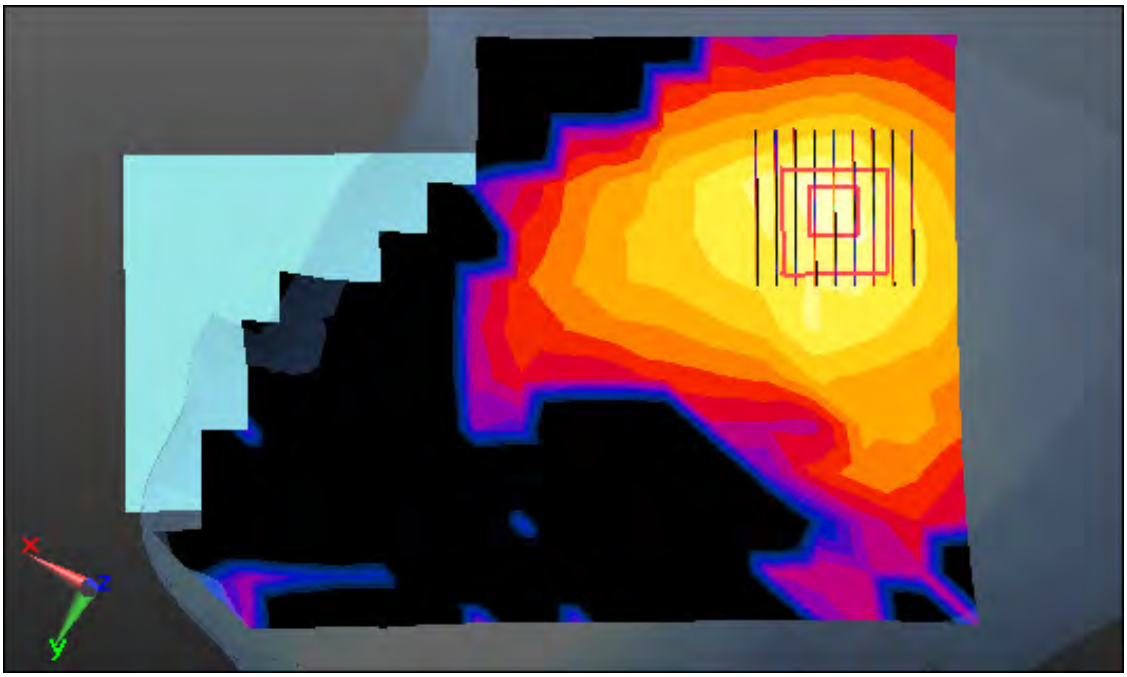
Test Date: 2019-01-10; Ambient Temp: 20.9; Tissue Temp: 21.3

Right Touch, W-LAN(802.11a - 5.8G) Ch. 165, Ant Internal, Standard Battery

Area Scan (13x21x1): Measurement grid: dx=10mm, dy=10mm
Zoom Scan (9x9x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm, Graded Ratio: 1.4
Power Drift = 0.09 dB
Peak SAR (extrapolated) = 3.40 W/kg
SAR(1 g) = 0.791 W/kg; SAR(10 g) = 0.232 W/kg



0 dB = 2.11 W/kg



Enlarged Plot for A16

DT&C Co., Ltd.

DUT: LM-X420HM; Type: Bar

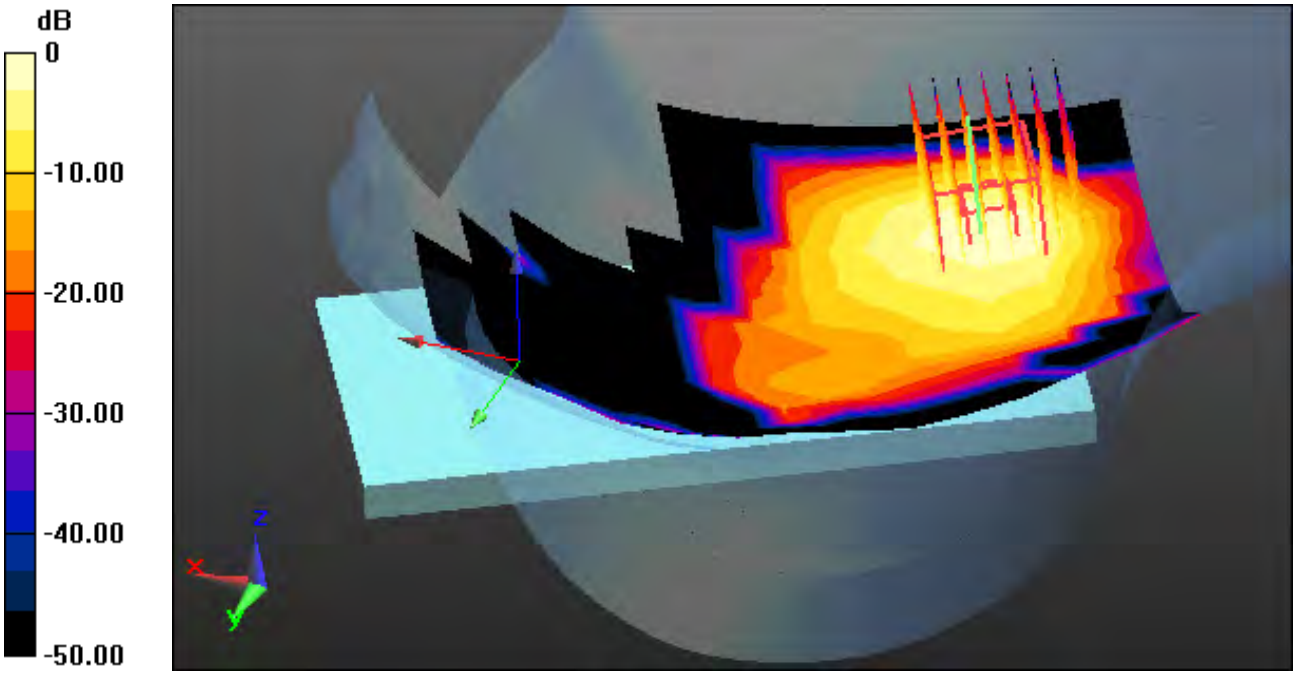
Communication System: UID 0, Bluetooth (0); Frequency: 2441 MHz; Duty Cycle: 1:1.302
Medium parameters used: f = 2441 MHz; σ = 1.753 S/m; ε_r = 39.811; ρ = 1000 kg/m^3
Phantom section: Right Section

DASY5 Configuration:
Probe: EX3DV4 - SN3916; ConvF(7.72, 7.72, 7.72); Calibrated: 4/25/2018; Electronics: DAE4 Sn1394
Sensor-Surface: 2mm (Mechanical Surface Detection)
Phantom: SAM-twin middle_2013_09_24; Type: QD000P40CD; Serial: 1782
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

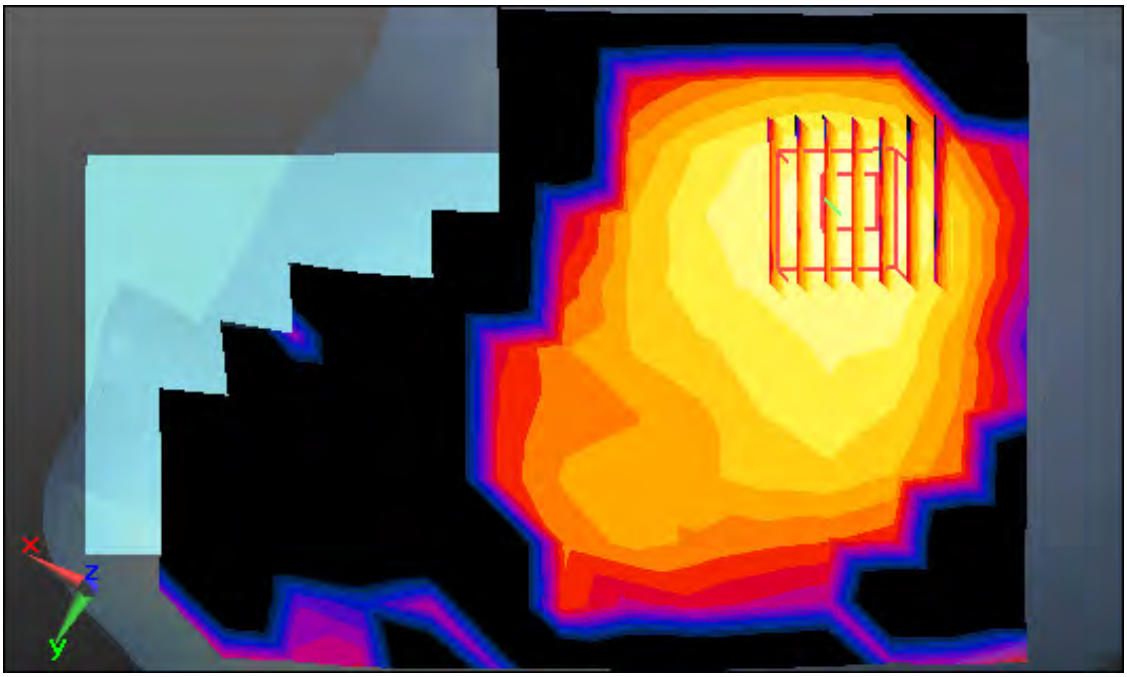
Test Date: 2019-01-01; Ambient Temp: 20.6; Tissue Temp: 20.4

Right Touch, Bluetooth 1Mbps Ch. 39, 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 = -0.07 dB
Peak SAR (extrapolated) = 0.255 W/kg
SAR(1 g) = 0.108 W/kg; SAR(10 g) = 0.047 W/kg



0 dB = 0.164 W/kg



Enlarged Plot for A17

DT&C Co., Ltd.

DUT: LM-X420HM; Type: Bar

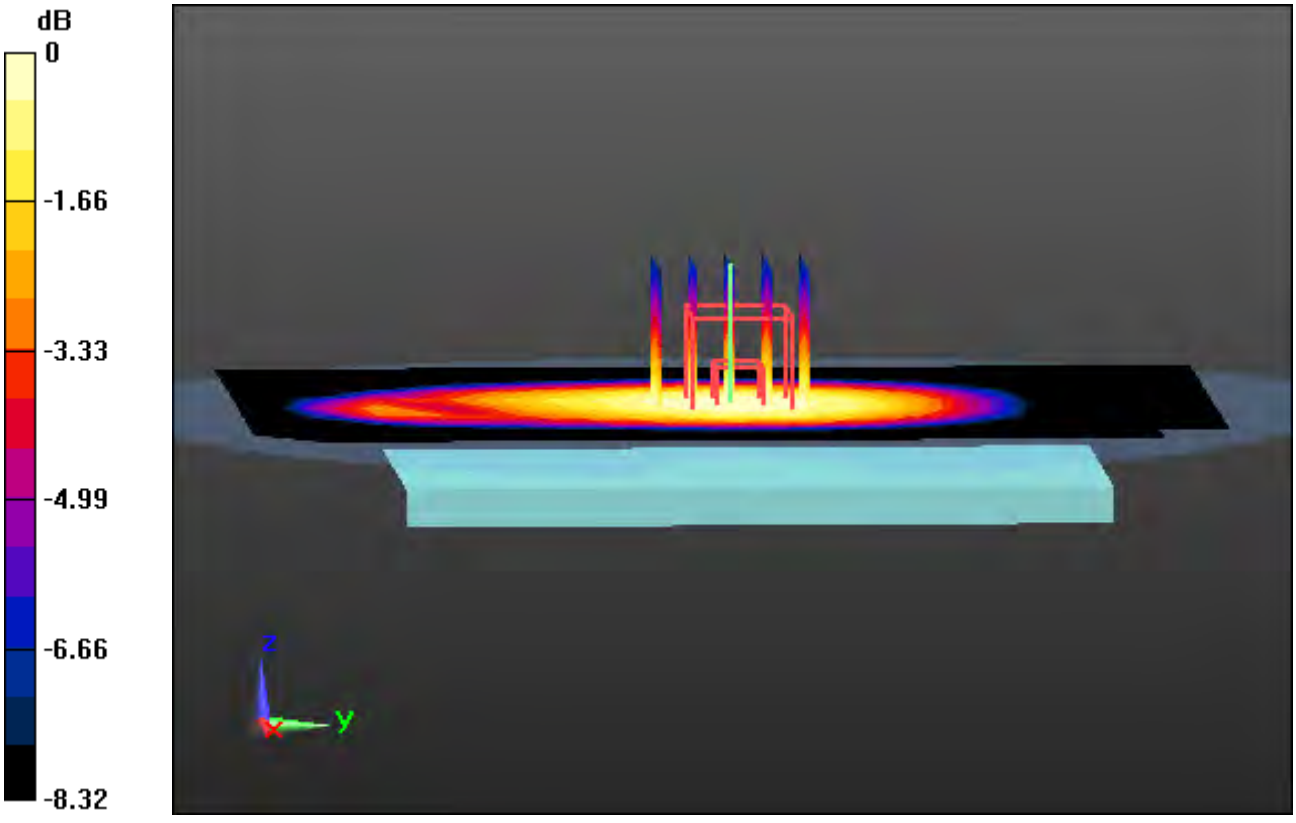
Communication System: UID 0, GSM 850 (0); Frequency: 836.6 MHz;Duty Cycle: 1:8.3
Medium parameters used: f = 836.6 MHz; σ = 0.993 S/m; ε_r = 53.879; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:
Probe: EX3DV4 - SN3933; ConvF(10.27, 10.27, 10.27); Calibrated: 9/25/2018; Electronics: DAE4 Sn1396
Sensor-Surface: 2mm (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)

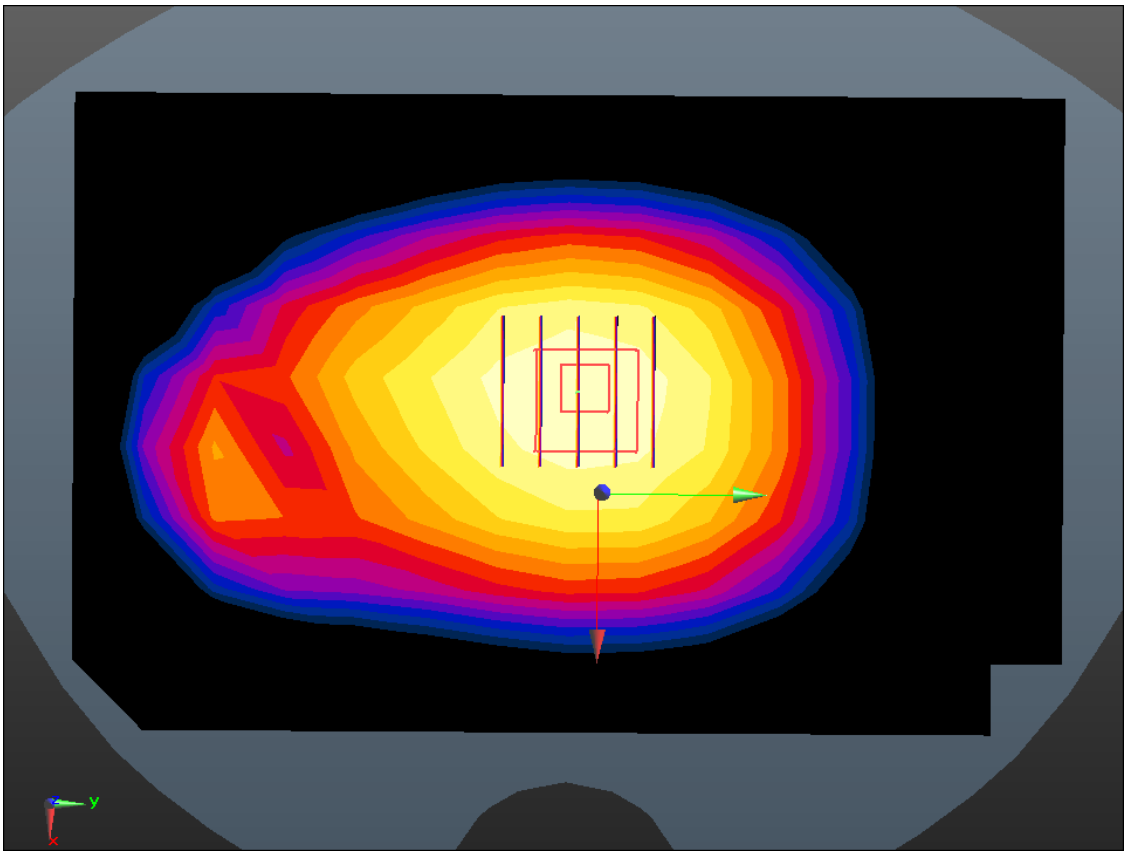
Test Date: 2018-12-28; Ambient Temp: 20.2; Tissue Temp: 21.0

1cm space from Body, Rear, GSM850 Ch. 190, Ant Internal

Area Scan (10x15x1): Measurement grid: dx=15mm, dy=15mm
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Power Drift = 0.03 dB
Peak SAR (extrapolated) = 0.532 W/kg
SAR(1 g) = 0.414 W/kg; SAR(10 g) = 0.314 W/kg



0 dB = 0.478 W/kg



Enlarged Plot for A18

DT&C Co., Ltd.

DUT: LM-X420HM; Type: Bar

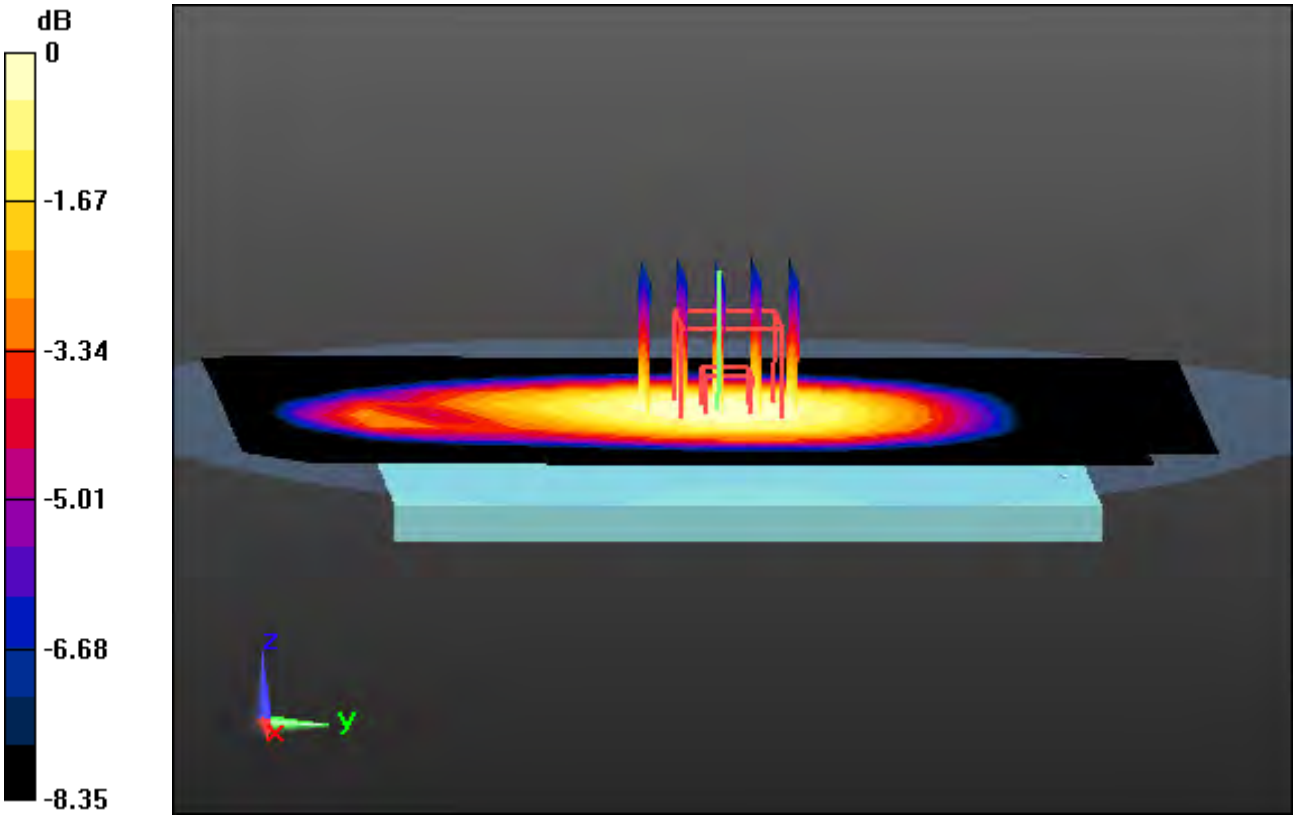
Communication System: UID 0, GSM 850_12 (0); Frequency: 836.6 MHz;Duty Cycle: 1:2.075
Medium parameters used: f = 836.6 MHz; σ = 0.993 S/m; ε_r = 53.879; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:
Probe: EX3DV4 - SN3933; ConvF(10.27, 10.27, 10.27); Calibrated: 9/25/2018; Electronics: DAE4 Sn1396
Sensor-Surface: 2mm (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)

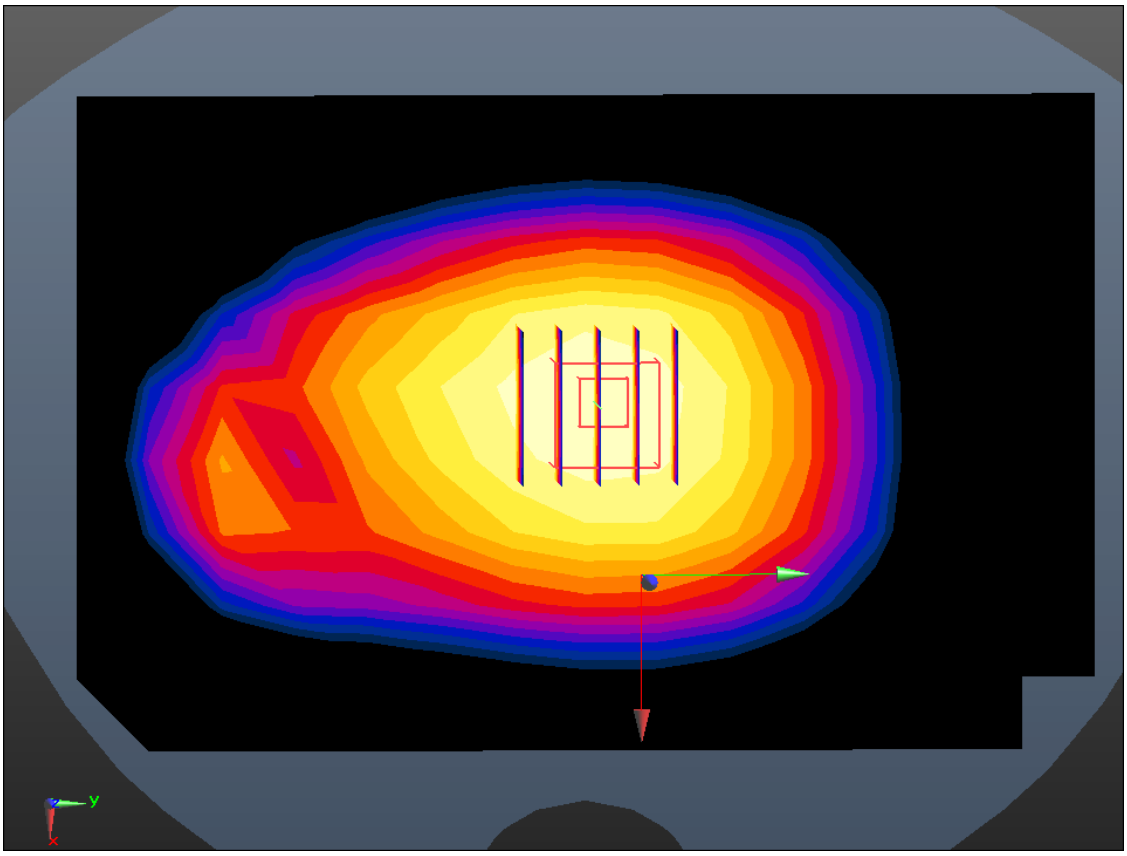
Test Date: 2018-12-28; Ambient Temp: 20.2; Tissue Temp: 21.0

1cm space from Body, Rear, GSM850 GPRS 4Tx Ch. 190, Ant Internal

Area Scan (10x15x1): Measurement grid: dx=15mm, dy=15mm
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Power Drift = 0.01 dB
Peak SAR (extrapolated) = 0.687 W/kg
SAR(1 g) = 0.538 W/kg; SAR(10 g) = 0.407 W/kg



0 dB = 0.623 W/kg



Enlarged Plot for A19

DT&C Co., Ltd.

DUT: LM-X420HM; Type: Bar

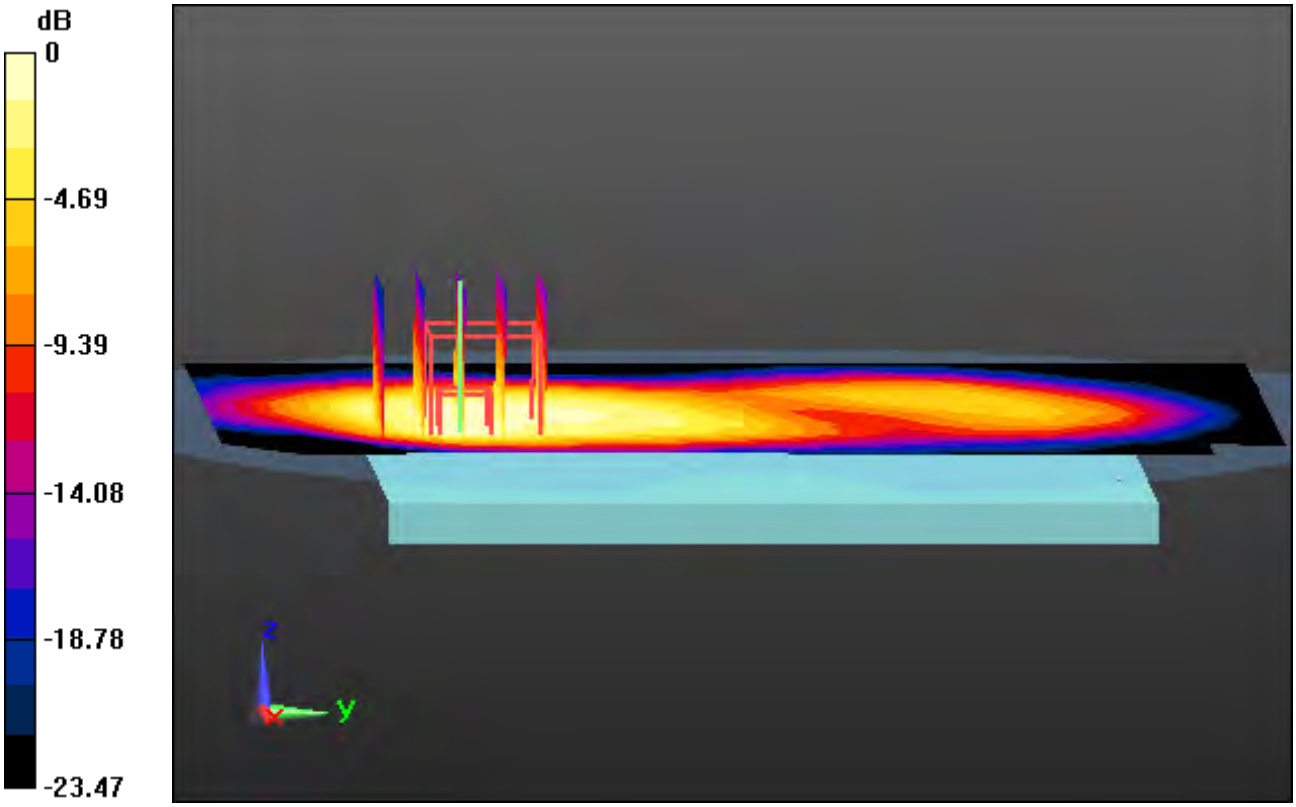
Communication System: UID 0, PCS 1900 (0); Frequency: 1880 MHz;Duty Cycle: 1:8.3
Medium parameters used: f = 1880 MHz; σ = 1.539 S/m; ε_r = 51.544; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:
Probe: EX3DV4 - SN3933; ConvF(8.21, 8.21, 8.21); Calibrated: 9/25/2018; Electronics: DAE4 Sn1396
Sensor-Surface: 2mm (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)

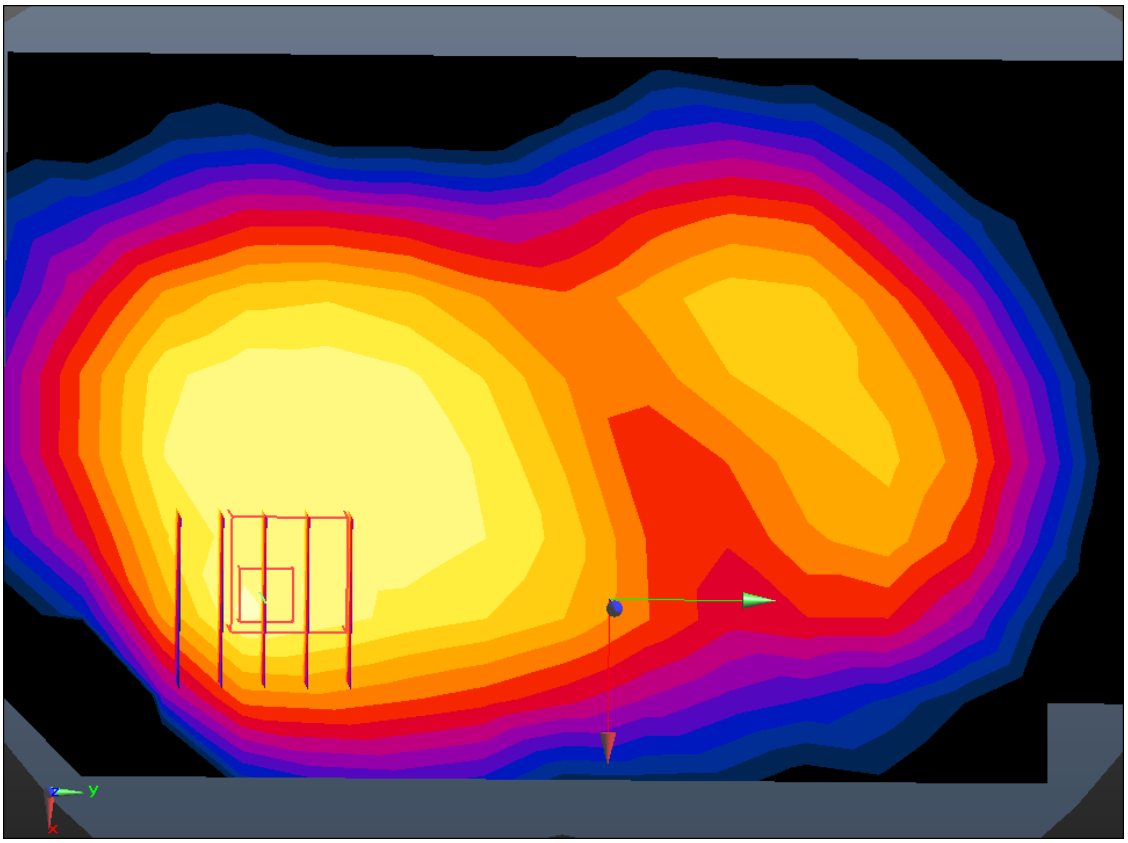
Test Date: 2018-12-29; Ambient Temp: 20.1; Tissue Temp: 21.1

1cm space from Body, Rear, PCS1900 Ch. 661, Ant Internal

Area Scan (10x15x1): Measurement grid: dx=15mm, dy=15mm
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Power Drift = 0.01 dB
Peak SAR (extrapolated) = 0.513 W/kg
SAR(1 g) = 0.280 W/kg; SAR(10 g) = 0.156 W/kg



0 dB = 0.402 W/kg



Enlarged Plot for A20

DT&C Co., Ltd.

DUT: LM-X420HM; Type: Bar

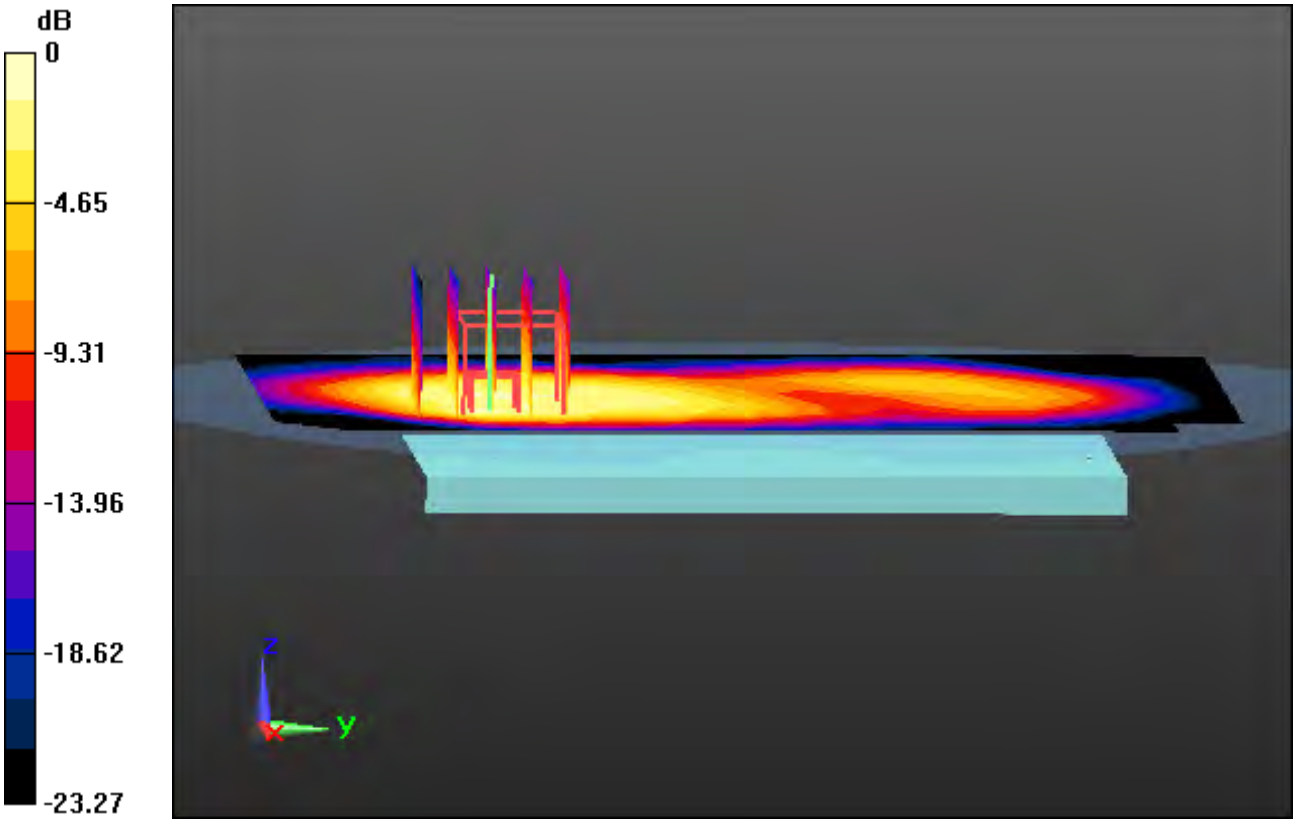
Communication System: UID 0, PCS1900_Class 12 (0); Frequency: 1880 MHz;Duty Cycle: 1:2.075
Medium parameters used: f = 1880 MHz; σ = 1.539 S/m; ε_r = 51.544; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:
Probe: EX3DV4 - SN3933; ConvF(8.21, 8.21, 8.21); Calibrated: 9/25/2018; Electronics: DAE4 Sn1396
Sensor-Surface: 2mm (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)

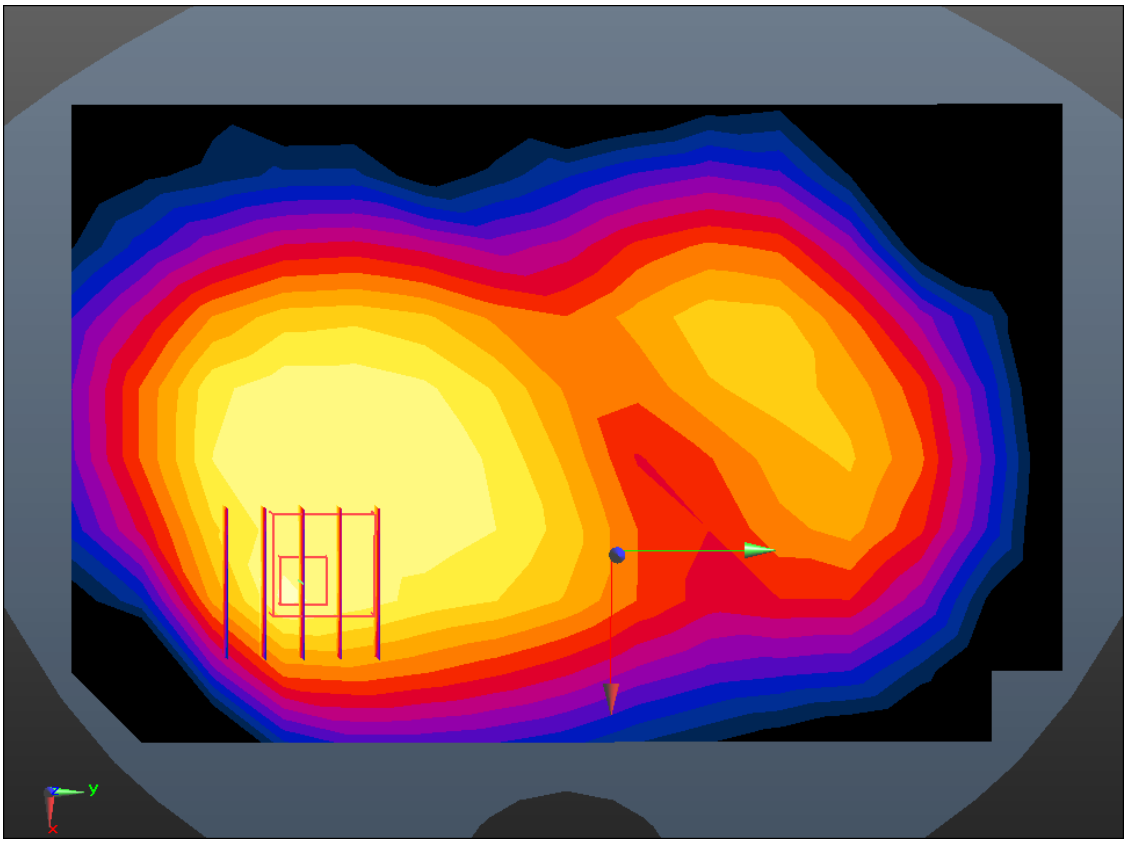
Test Date: 2018-12-29; Ambient Temp: 20.1; Tissue Temp: 21.1

1cm space from Body, Rear, PCS1900 GPRS 4Tx Ch. 661, Ant Internal

Area Scan (10x15x1): Measurement grid: dx=15mm, dy=15mm
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Power Drift = 0.07 dB
Peak SAR (extrapolated) = 0.835 W/kg
SAR(1 g) = 0.441 W/kg; SAR(10 g) = 0.242 W/kg



0 dB = 0.646 W/kg



Enlarged Plot for A21

DT&C Co., Ltd.

DUT: LM-X420HM; Type: Bar

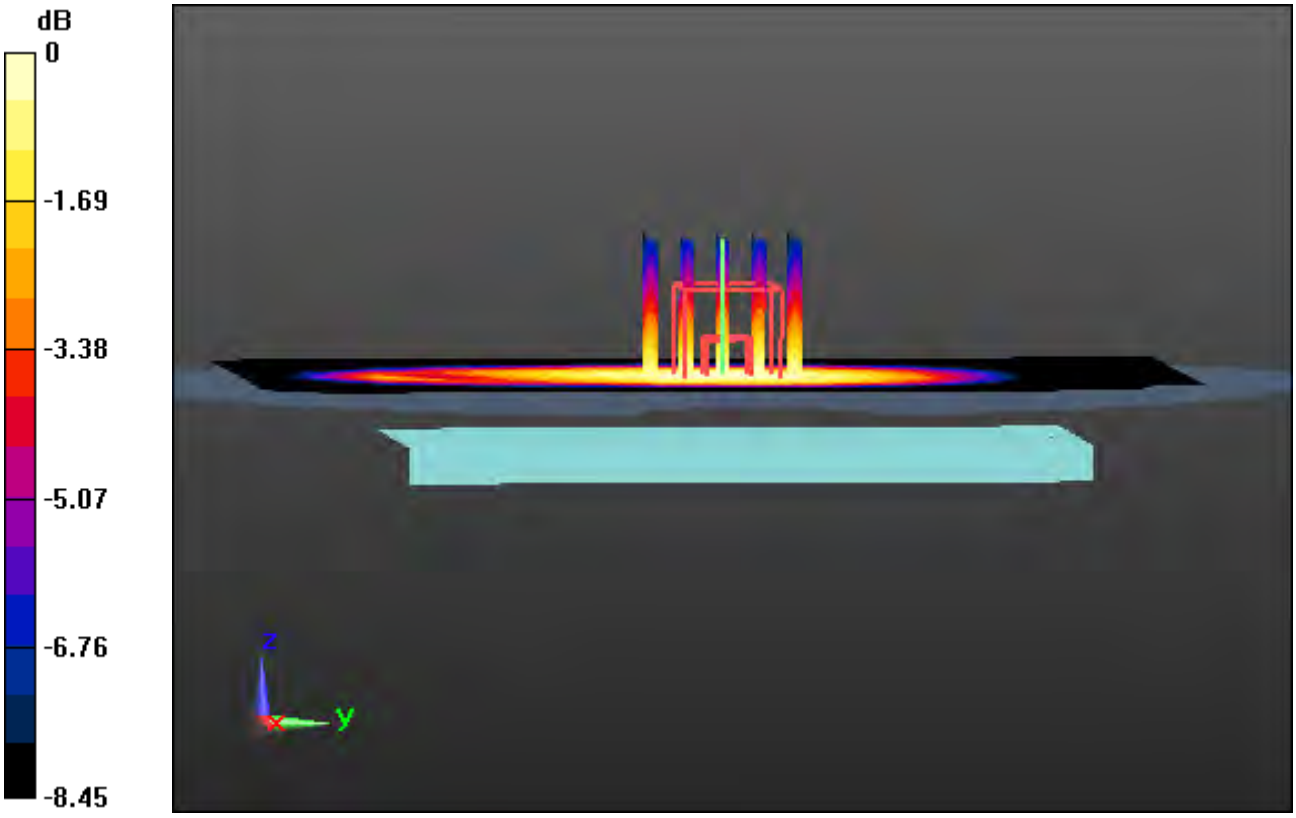
Communication System: UID 0, WCDMA 850 (0); Frequency: 836.6 MHz;Duty Cycle: 1:1
Medium parameters used: f = 836.6 MHz; σ = 0.994 S/m; ε_r = 54.335; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:
Probe: EX3DV4 - SN3933; ConvF(10.27, 10.27, 10.27); Calibrated: 9/25/2018; Electronics: DAE4 Sn1396
Sensor-Surface: 2mm (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)

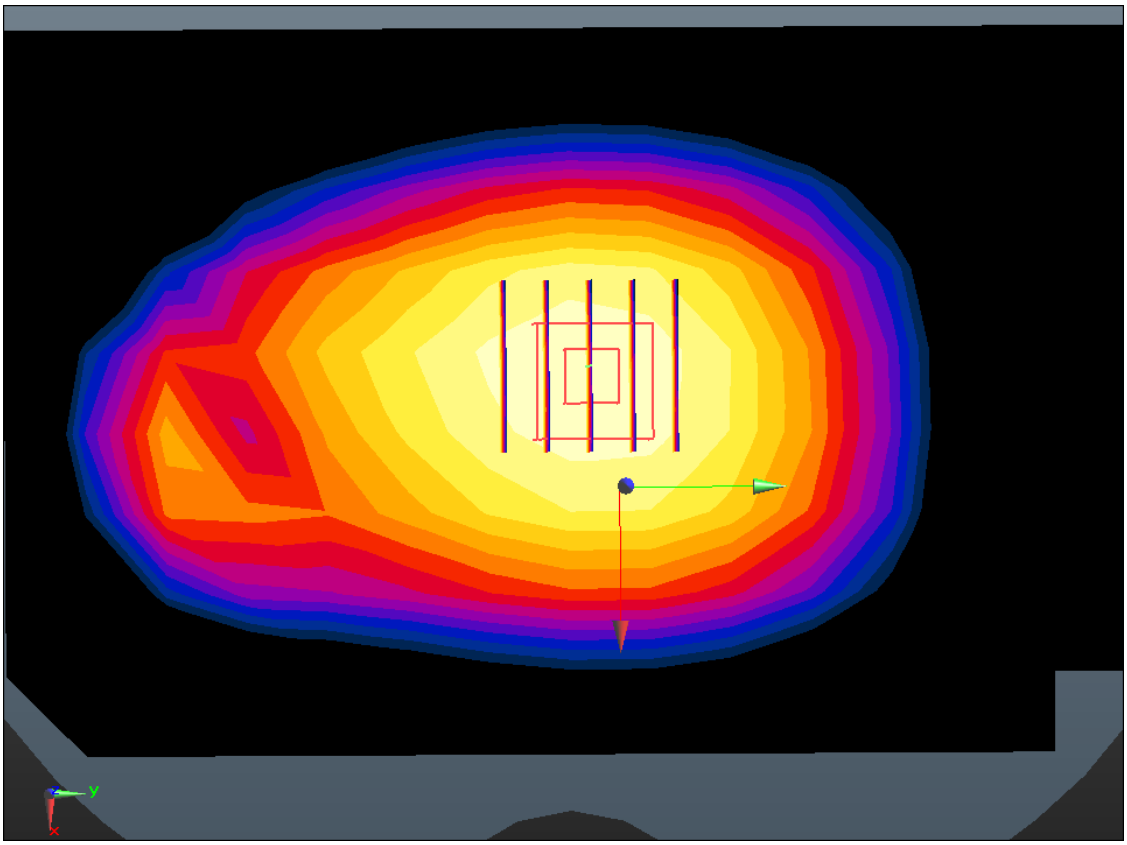
Test Date: 2019-01-02; Ambient Temp: 20.3; Tissue Temp: 21.2

1cm space from Body, Rear, WCDMA Band 5 Ch. 4183, Ant Internal

Area Scan (10x15x1): Measurement grid: dx=15mm, dy=15mm
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Power Drift = -0.02 dB
Peak SAR (extrapolated) = 0.919 W/kg
SAR(1 g) = 0.717 W/kg; SAR(10 g) = 0.543 W/kg



0 dB = 0.831 W/kg



Enlarged Plot for A22

DT&C Co., Ltd.

DUT: LM-X420HM; Type: Bar

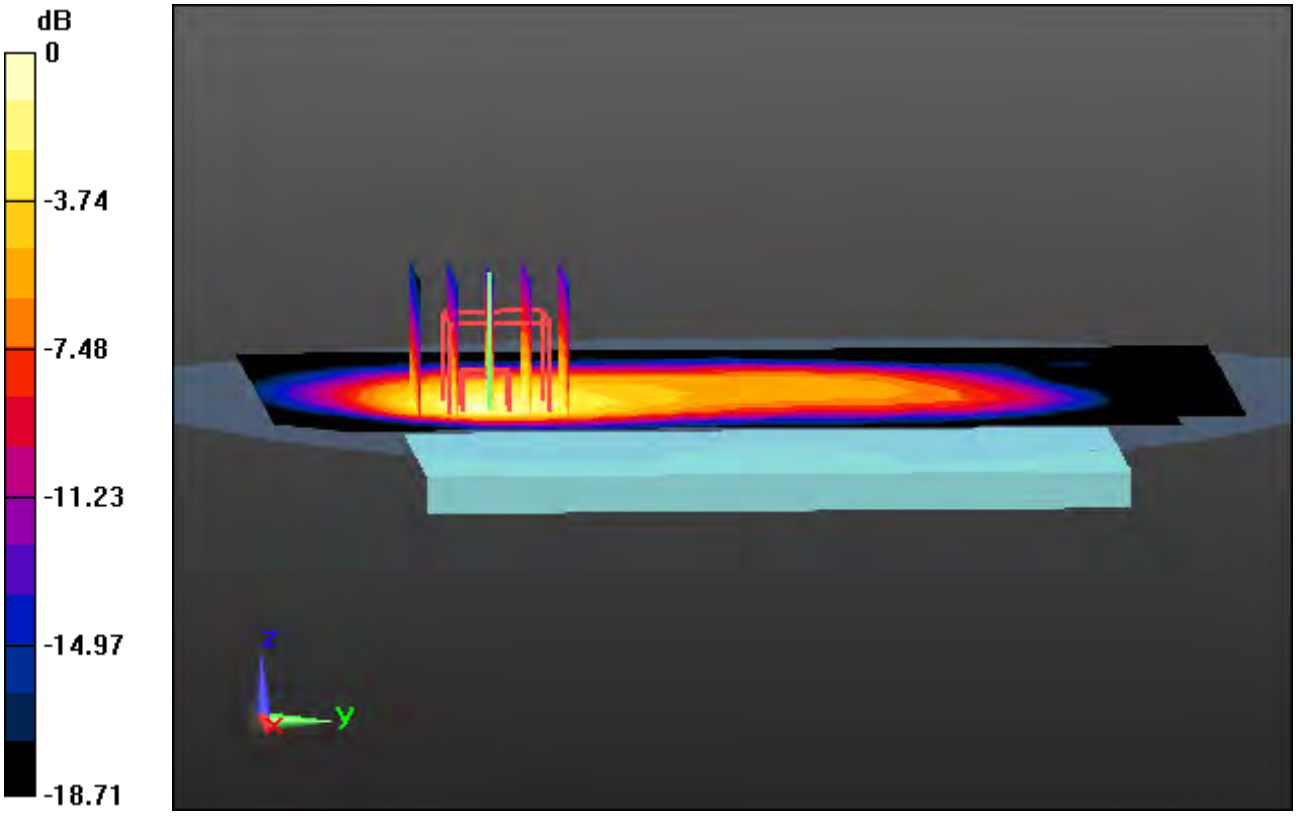
Communication System: UID 0, WCDMA Band 4 (0); Frequency: 1732.4 MHz;Duty Cycle: 1:1
Medium parameters used: f = 1732.4 MHz; σ = 1.447 S/m; ε_r = 52.366; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:
Probe: EX3DV4 - SN3933; ConvF(8.62, 8.62, 8.62); Calibrated: 9/25/2018; Electronics: DAE4 Sn1396
Sensor-Surface: 2mm (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)

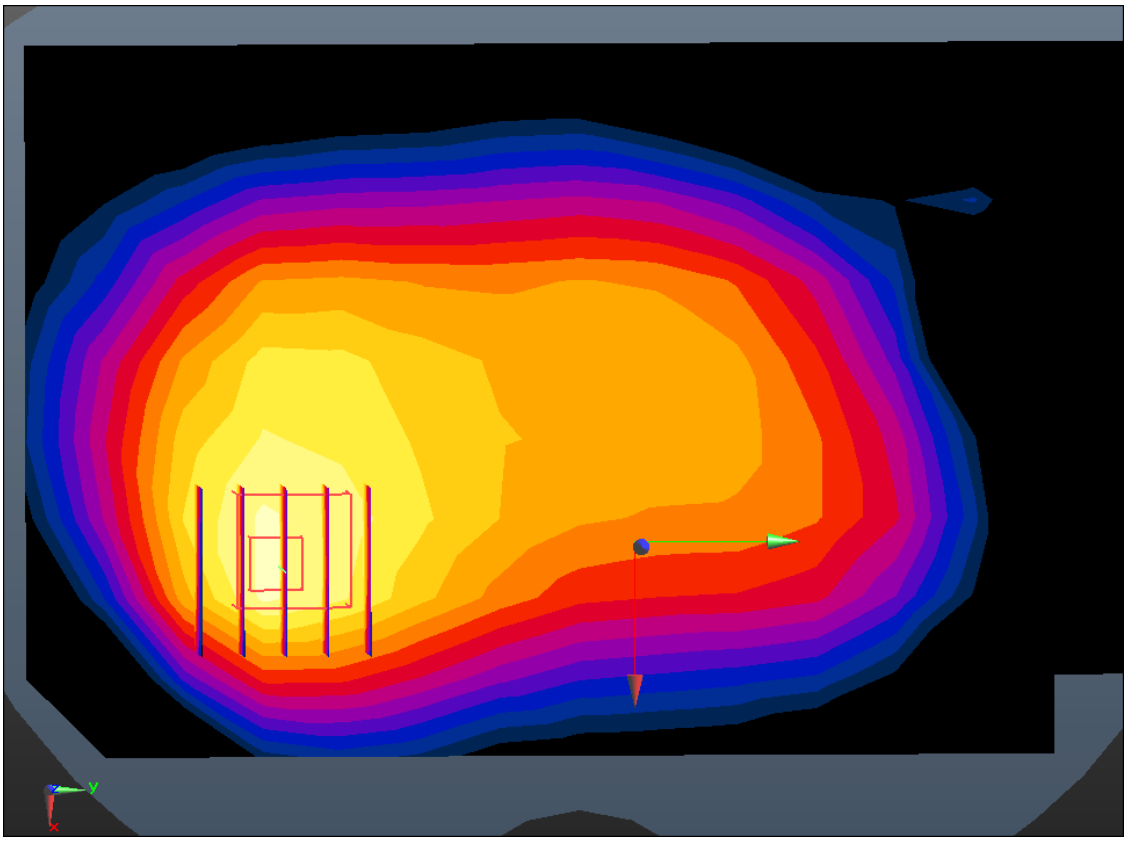
Test Date: 2019-01-01; Ambient Temp: 20.1; Tissue Temp: 21.0

1cm space from Body, Rear, WCDMA Band 4 Ch. 1412, Ant Internal

Area Scan (10x15x1): Measurement grid: dx=15mm, dy=15mm
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Power Drift = -0.14 dB
Peak SAR (extrapolated) = 0.873 W/kg
SAR(1 g) = 0.499 W/kg; SAR(10 g) = 0.281 W/kg



0 dB = 0.686 W/kg



Enlarged Plot for A23

DT&C Co., Ltd.

DUT: LM-X420HM; Type: Bar

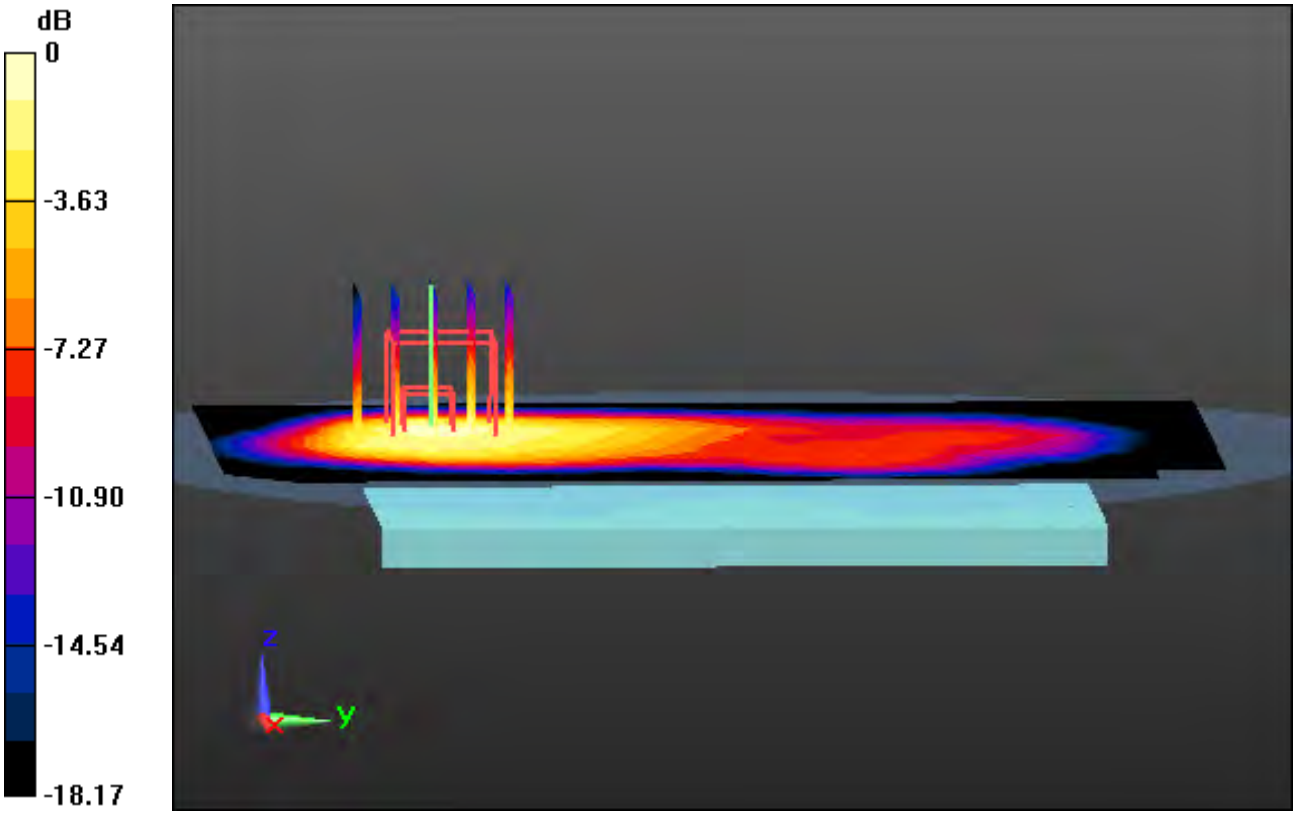
Communication System: UID 0, WCDMA 1900 (0); Frequency: 1880 MHz;Duty Cycle: 1:1
Medium parameters used: f = 1880 MHz; σ = 1.536 S/m; ε_r = 51.595; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:
Probe: EX3DV4 - SN3933; ConvF(8.21, 8.21, 8.21); Calibrated: 9/25/2018; Electronics: DAE4 Sn1396
Sensor-Surface: 2mm (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)

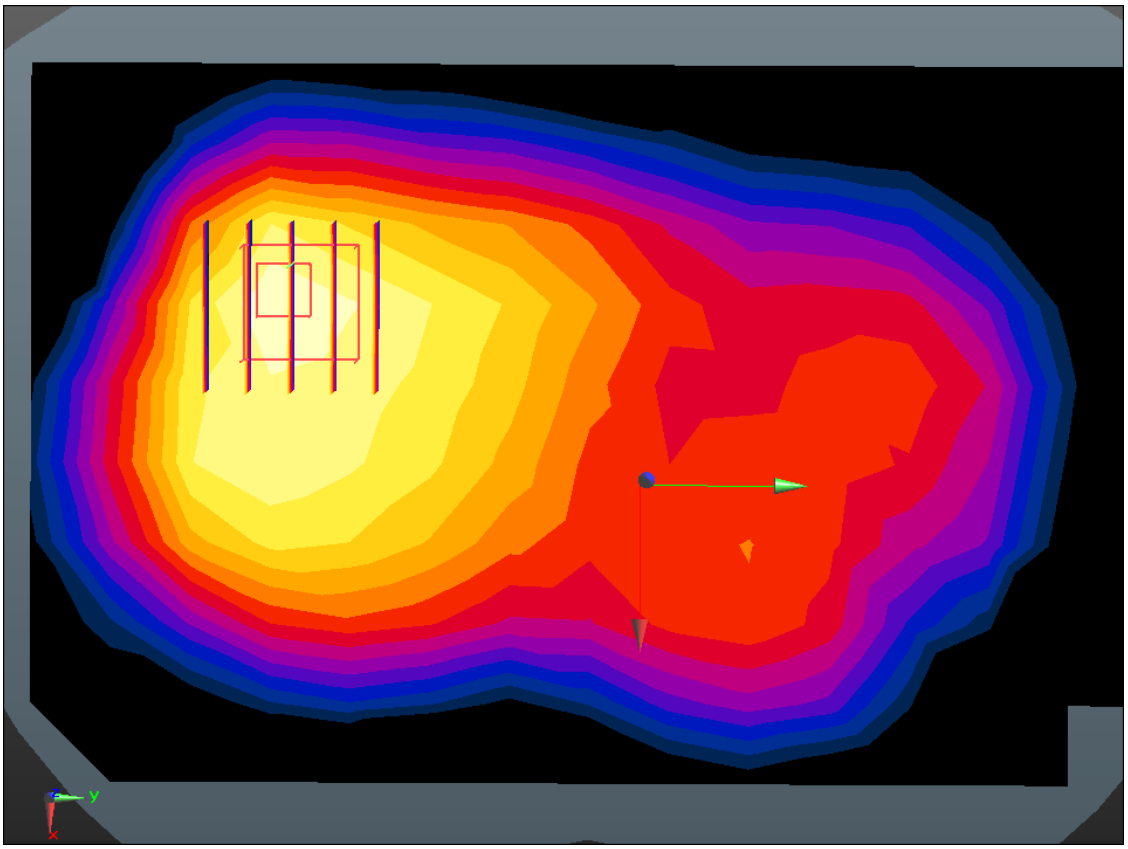
Test Date: 2018-12-31; Ambient Temp: 20.2; Tissue Temp: 20.9

1cm space from Body, Front, WCDMA Band 2 Ch. 9400, Ant Internal

Area Scan (10x15x1): Measurement grid: dx=15mm, dy=15mm
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Power Drift = 0.06 dB
Peak SAR (extrapolated) = 1.08 W/kg
SAR(1 g) = 0.613 W/kg; SAR(10 g) = 0.346 W/kg



0 dB = 0.801 W/kg



Enlarged Plot for A24

DT&C Co., Ltd.

DUT: LM-X420HM; Type: Bar

Communication System: UID 0, LTE Band 12 (0); Frequency: 707.5 MHz;Duty Cycle: 1:1
Medium parameters used: f = 707.5 MHz; σ = 0.924 S/m; ε_r = 55.353; ρ = 1000 kg/m^3
Phantom section: Flat Section

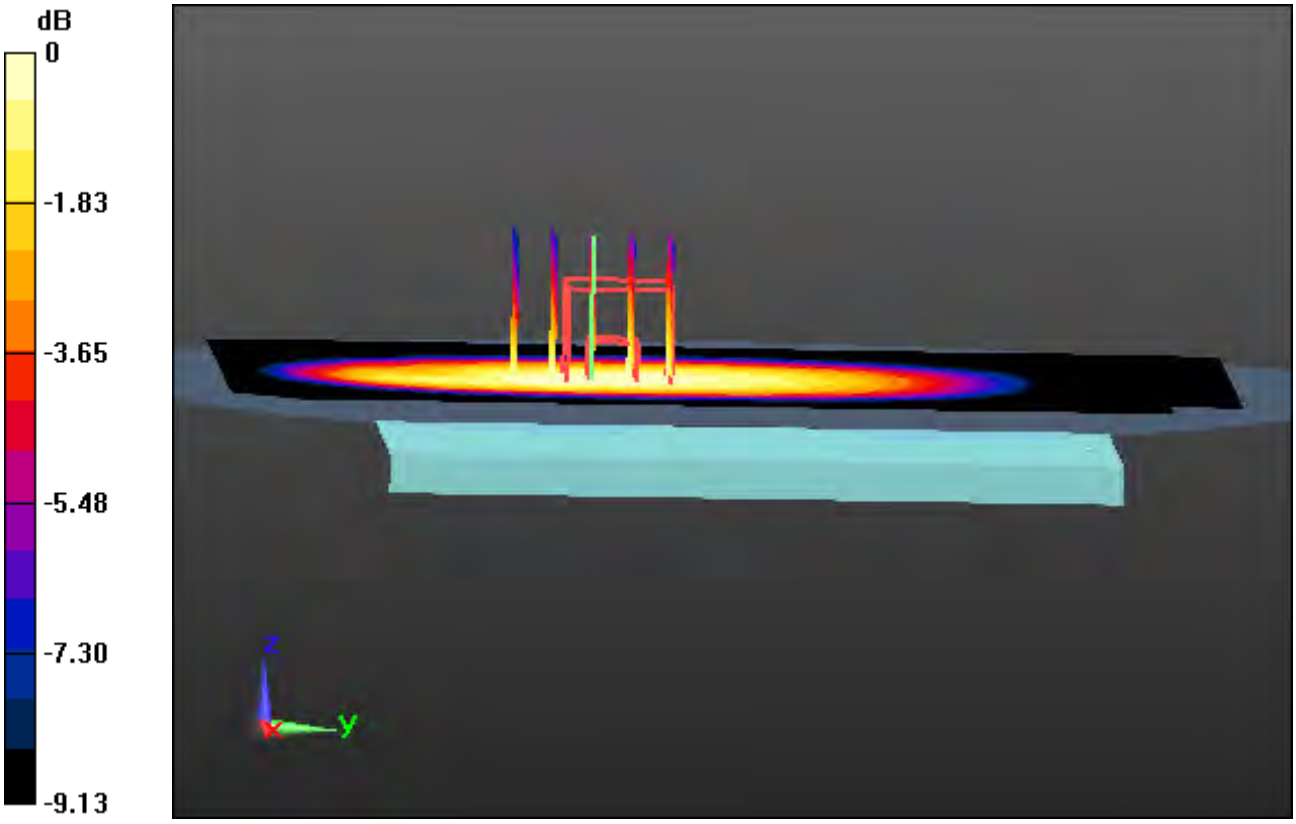
DASY5 Configuration:
Probe: EX3DV4 - SN3933; ConvF(10.43, 10.43, 10.43); Calibrated: 9/25/2018; Electronics: DAE4 Sn1396
Sensor-Surface: 2mm (Mechanical Surface Detection)
Phantom: SAM with CRP_2016_07_22_middle; Type: QD000P40CD; Serial: TP:1786
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2018-12-27; Ambient Temp: 20.6; Tissue Temp: 21.3

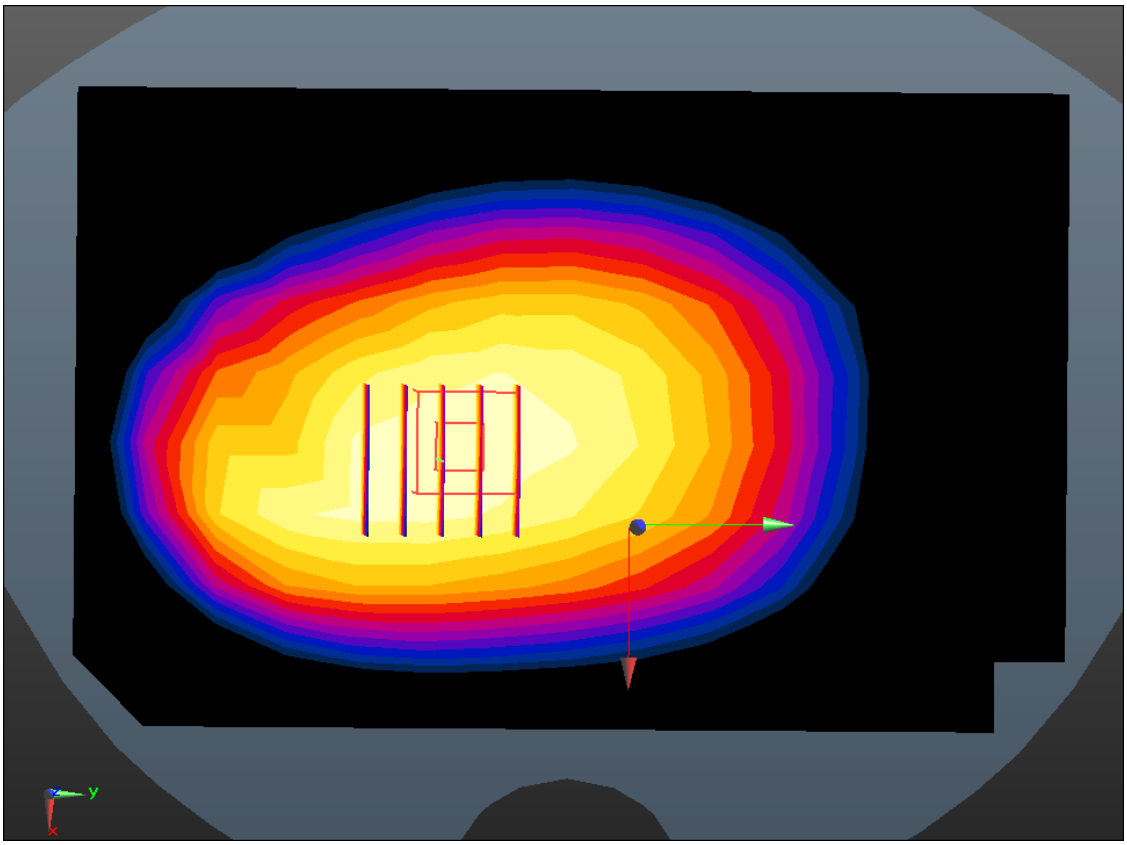
1cm space from Body, Rear, LTE Band 12 Ch. 23095, Ant Internal

Mode : BandWidth 10 MHz, QPSK, RB Size: 1

Area Scan (10x15x1): Measurement grid: dx=15mm, dy=15mm
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Power Drift = -0.13 dB
Peak SAR (extrapolated) = 0.566 W/kg
SAR(1 g) = 0.459 W/kg; SAR(10 g) = 0.359 W/kg



0 dB = 0.519 W/kg



Enlarged Plot for A25

DT&C Co., Ltd.

DUT: LM-X420HM; Type: Bar

Communication System: UID 0, LTE Band 5(FCC) (0); Frequency: 836.5 MHz;Duty Cycle: 1:1
Medium parameters used: f = 836.5 MHz; σ = 0.977 S/m; ε_r = 53.742; ρ = 1000 kg/m^3
Phantom section: Flat Section

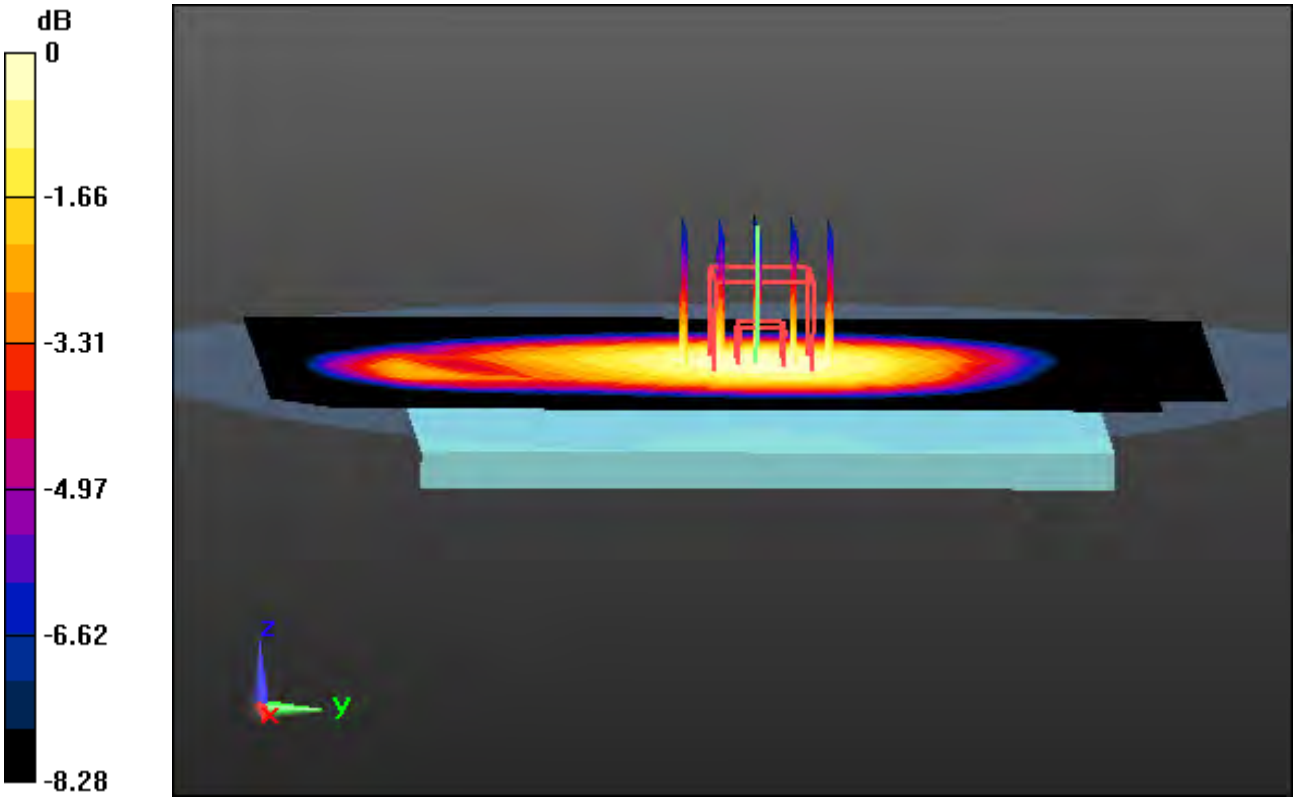
DASY5 Configuration:
Probe: EX3DV4 - SN3933; ConvF(10.27, 10.27, 10.27); Calibrated: 9/25/2018; Electronics: DAE4 Sn1396
Sensor-Surface: 2mm (Mechanical Surface Detection)
Phantom: SAM with CRP_2016_07_22_middle; Type: QD000P40CD; Serial: TP:1786
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2018-12-25; Ambient Temp: 20.2; Tissue Temp: 21.4

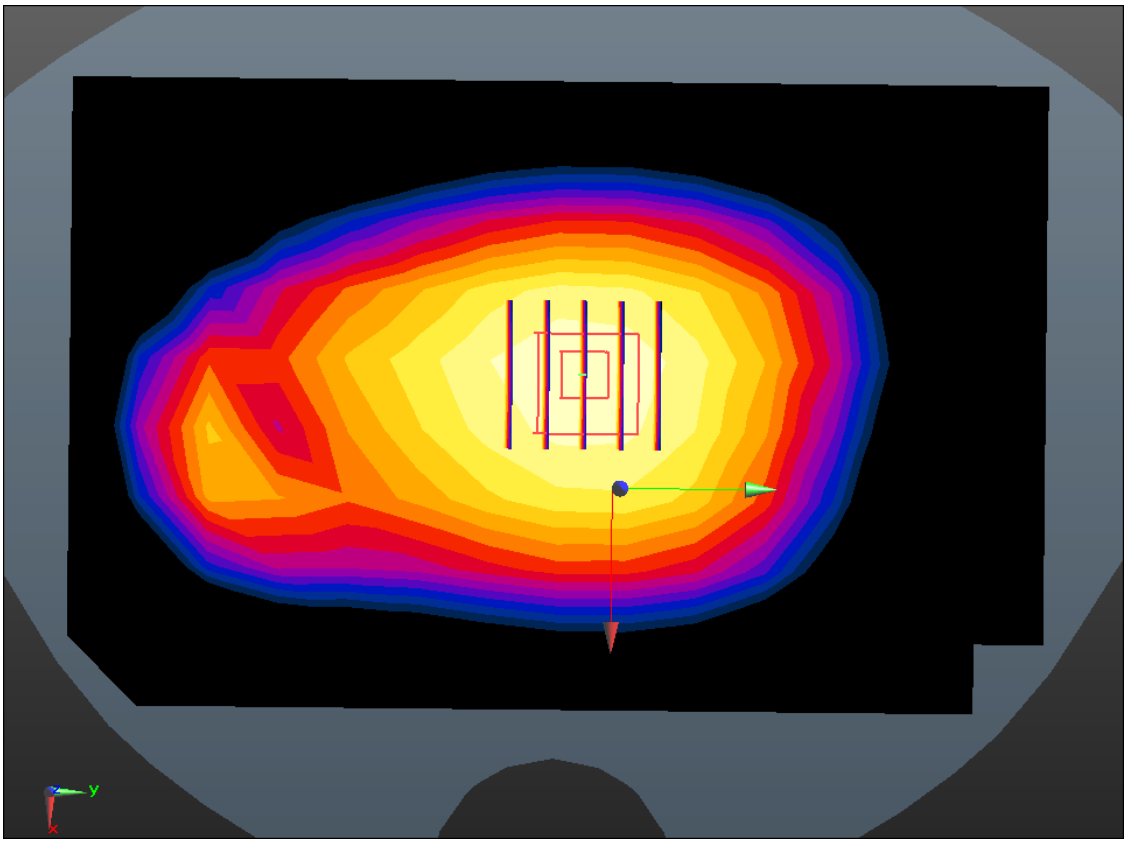
1cm space from Body, Rear, LTE Band 5 Ch. 20525, Ant Internal

Mode : BandWidth 10 MHz, QPSK, RB Size: 1

Area Scan (10x15x1): Measurement grid: dx=15mm, dy=15mm
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Power Drift = -0.04 dB
Peak SAR (extrapolated) = 0.860 W/kg
SAR(1 g) = 0.667 W/kg; SAR(10 g) = 0.505 W/kg



0 dB = 0.776 W/kg



Enlarged Plot for A26

DT&C Co., Ltd.

DUT: LM-X420HM; Type: Bar

Communication System: UID 0, LTE Band 66 (0); Frequency: 1770 MHz;Duty Cycle: 1:1
Medium parameters used: f = 1770 MHz; σ = 1.466 S/m; ε_r = 52.418; ρ = 1000 kg/m^3
Phantom section: Flat Section

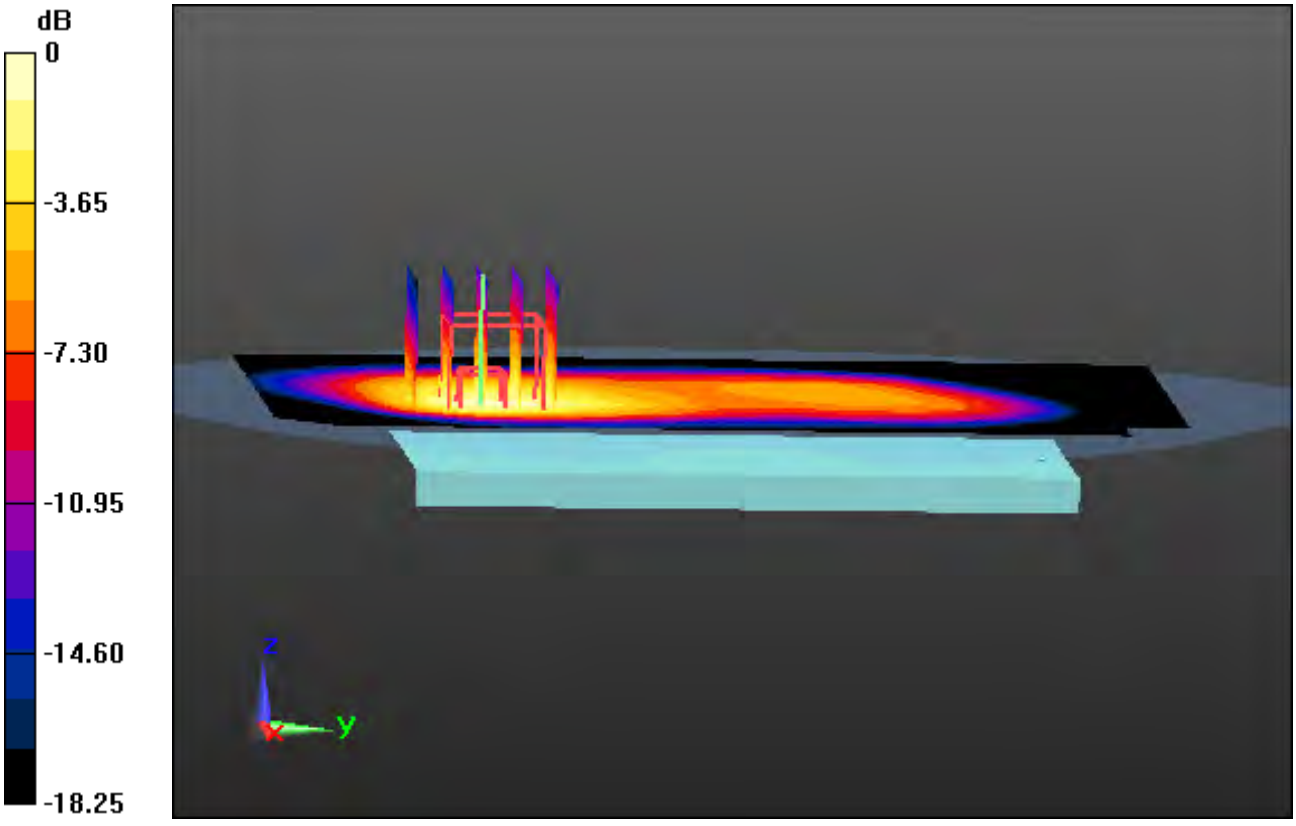
DASY5 Configuration:
Probe: EX3DV4 - SN3933; ConvF(8.62, 8.62, 8.62); Calibrated: 9/25/2018; Electronics: DAE4 Sn1396
Sensor-Surface: 2mm (Mechanical Surface Detection)
Phantom: SAM with CRP_2016_07_22_middle; Type: QD000P40CD; Serial: TP:1786
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2018-12-24; Ambient Temp: 20.4; Tissue Temp: 21.1

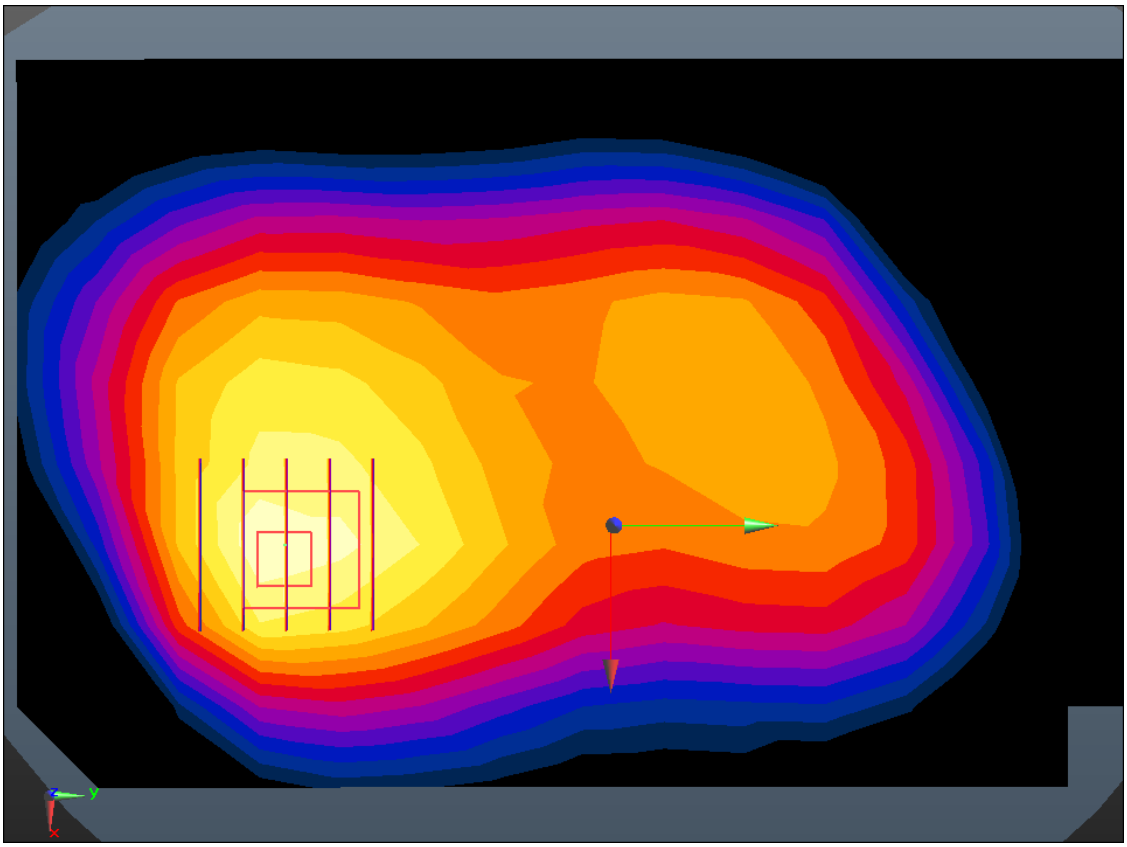
1cm space from Body, Rear, LTE Band 66 Ch. 132572, Ant Internal

Mode : BandWidth 20 MHz, QPSK, RB Size: 1

Area Scan (10x15x1): Measurement grid: dx=15mm, dy=15mm
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Power Drift = -0.02 dB
Peak SAR (extrapolated) = 1.07 W/kg
SAR(1 g) = 0.629 W/kg; SAR(10 g) = 0.363 W/kg



0 dB = 0.829 W/kg



Enlarged Plot for A27

DT&C Co., Ltd.

DUT: LM-X420HM; Type: Bar

Communication System: UID 0, LTE Band 2 (0); Frequency: 1880 MHz;Duty Cycle: 1:1
Medium parameters used: f = 1880 MHz; σ = 1.538 S/m; ε_r = 51.672; ρ = 1000 kg/m^3
Phantom section: Flat Section

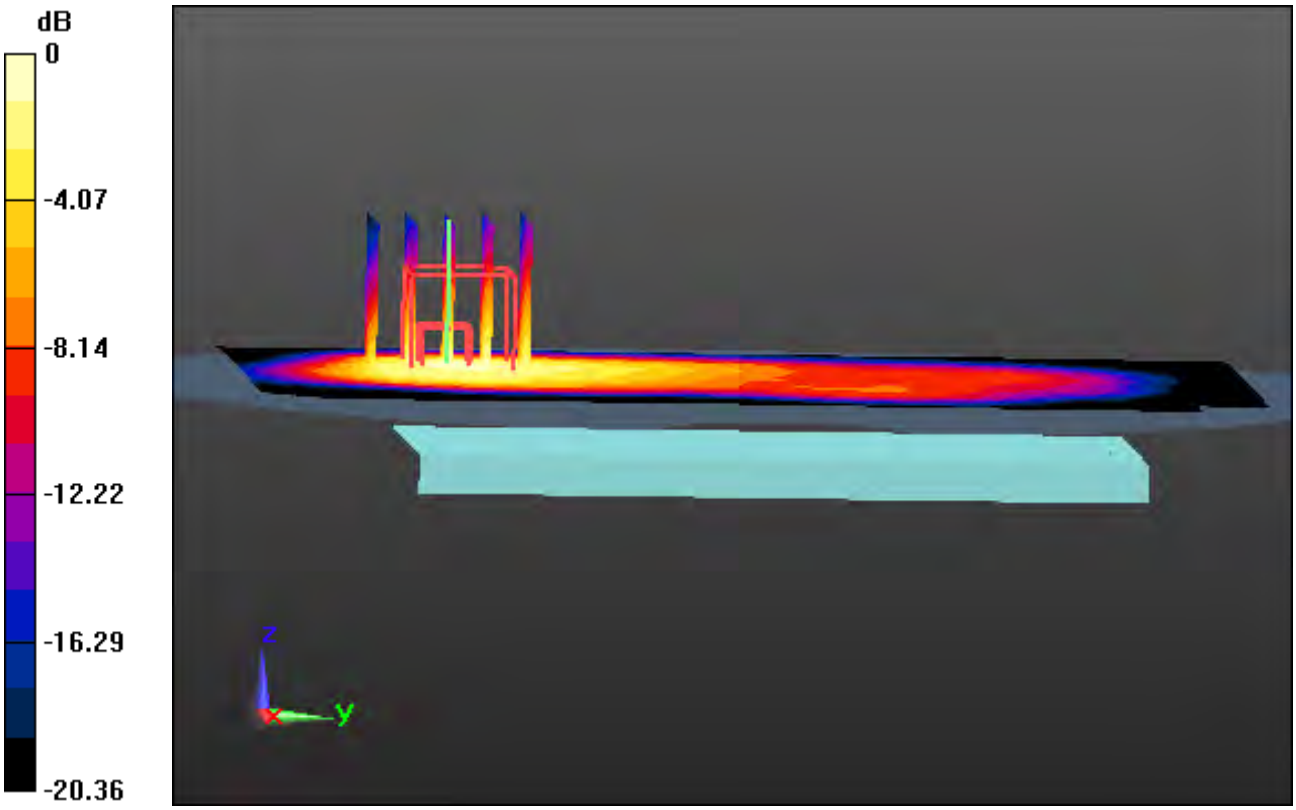
DASY5 Configuration:
Probe: EX3DV4 - SN3933; ConvF(8.21, 8.21, 8.21); Calibrated: 9/25/2018; Electronics: DAE4 Sn1396
Sensor-Surface: 2mm (Mechanical Surface Detection)
Phantom: SAM with CRP_2016_07_22_middle; Type: QD000P40CD; Serial: TP:1786
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2018-12-21; Ambient Temp: 20.2; Tissue Temp: 21.3

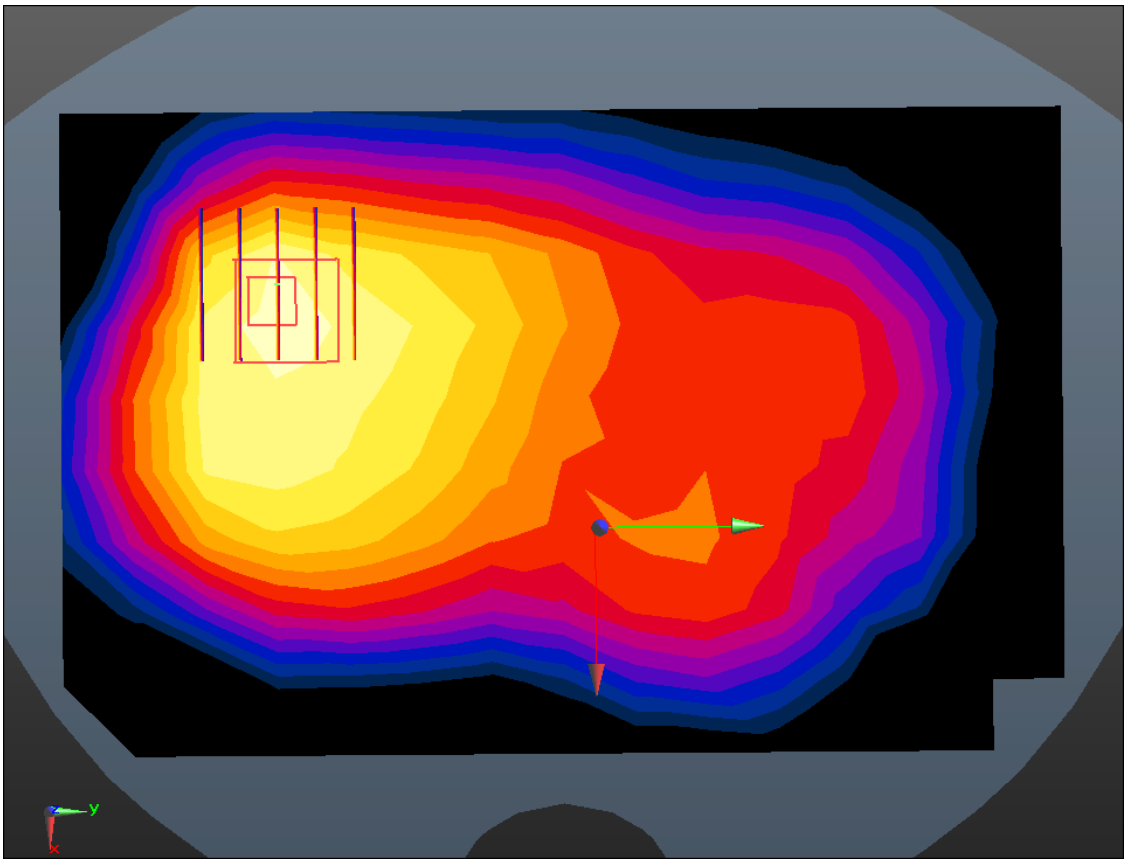
1cm space from Body, Front, LTE Band 2 Ch. 18900, Ant Internal

Mode : BandWidth 20 MHz, QPSK, RB Size: 1

Area Scan (10x15x1): Measurement grid: dx=15mm, dy=15mm
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Power Drift = 0.05 dB
Peak SAR (extrapolated) = 1.19 W/kg
SAR(1 g) = 0.681 W/kg; SAR(10 g) = 0.385 W/kg



0 dB = 0.911 W/kg



Enlarged Plot for A28

DT&C Co., Ltd.

DUT: LM-X420HM; Type: Bar

Communication System: UID 0, LTE Band 7(FCC) (0); Frequency: 2535 MHz;Duty Cycle: 1:1
Medium parameters used: f = 2535 MHz; σ = 2.022 S/m; ε_r = 53.184; ρ = 1000 kg/m^3
Phantom section: Flat Section

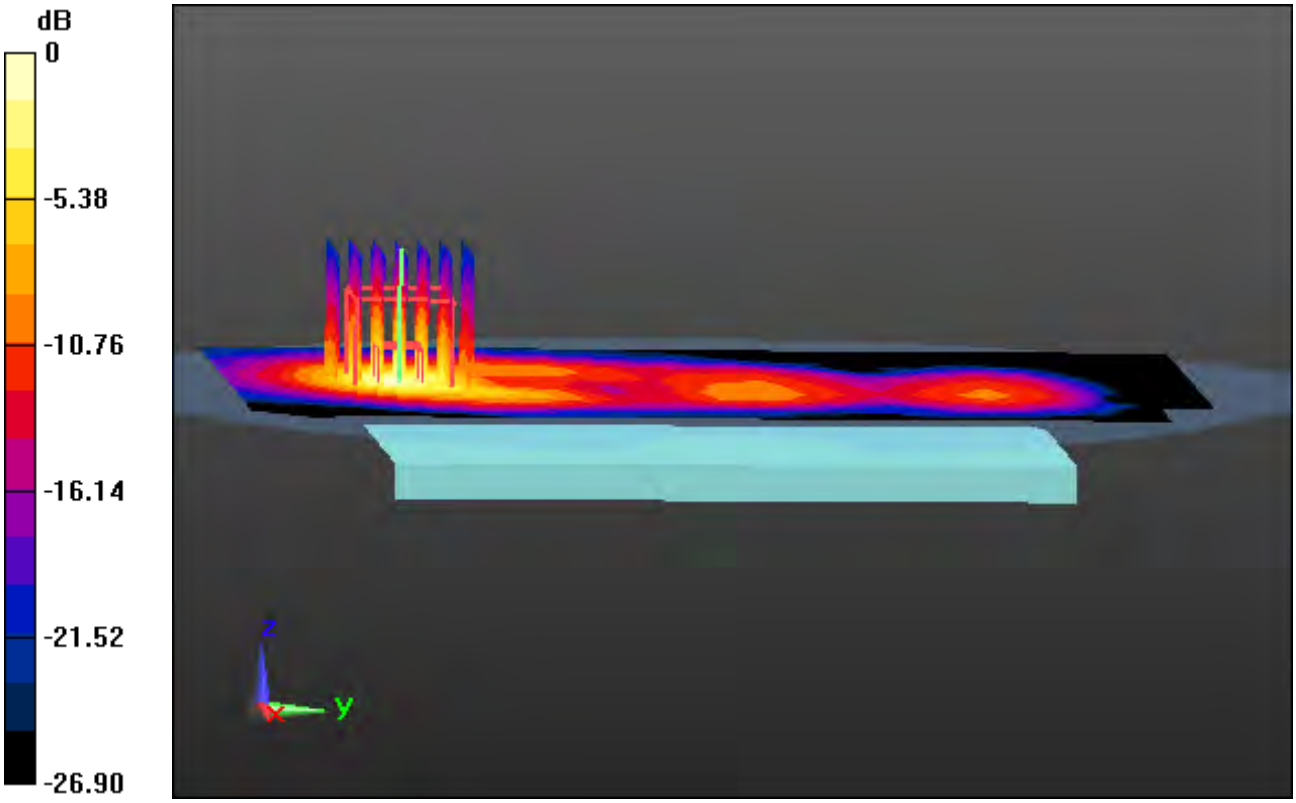
DASY5 Configuration:
Probe: EX3DV4 - SN3933; ConvF(7.63, 7.63, 7.63); Calibrated: 9/25/2018; Electronics: DAE4 Sn1396
Sensor-Surface: 2mm (Mechanical Surface Detection)
Phantom: SAM with CRP_2016_07_22_middle; Type: QD000P40CD; Serial: TP:1786
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2018-12-26; Ambient Temp: 20.3; Tissue Temp: 21.2

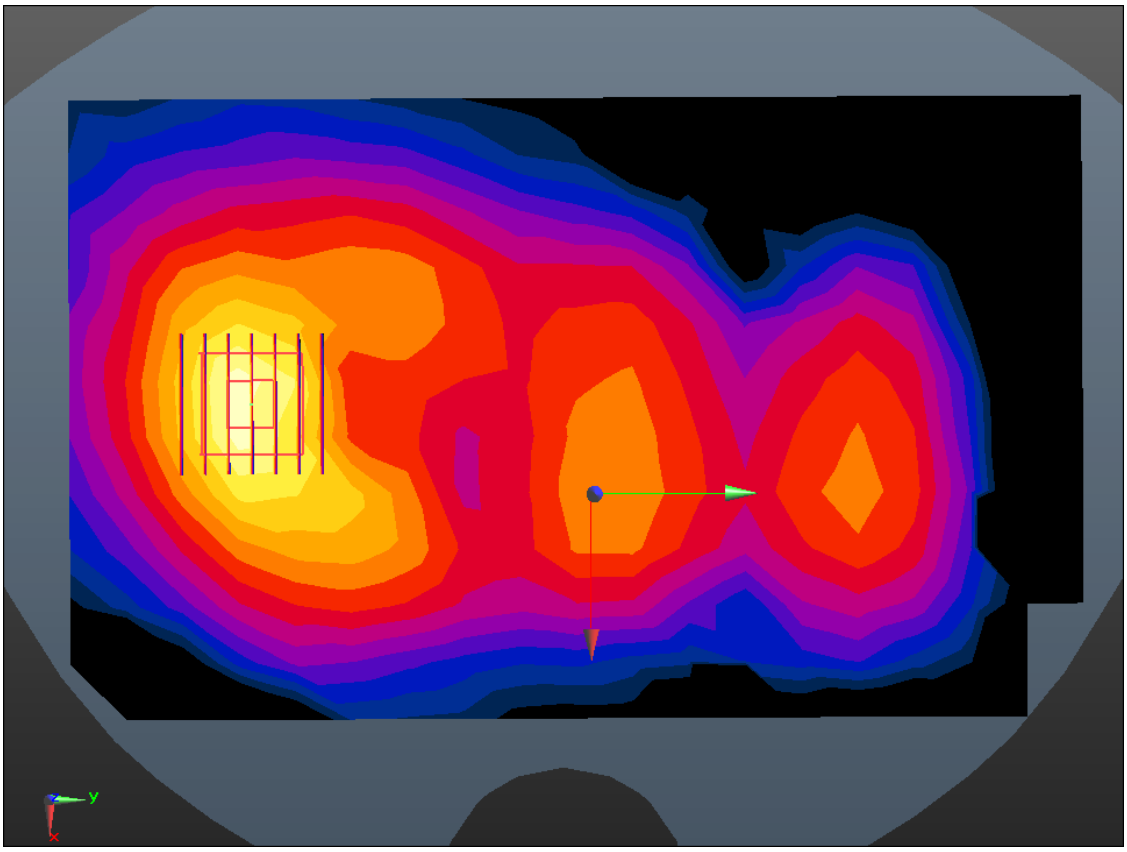
1cm space from Body, Rear, LTE Band 7 Ch. 21100, Ant Internal

Mode : BandWidth 20 MHz, QPSK, RB Size: 1

Area Scan (12x19x1): 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) = 1.33 W/kg
SAR(1 g) = 0.643 W/kg; SAR(10 g) = 0.283 W/kg



0 dB = 0.985 W/kg



Enlarged Plot for A29

DT&C Co., Ltd.

DUT: LM-X420HM; Type: Bar

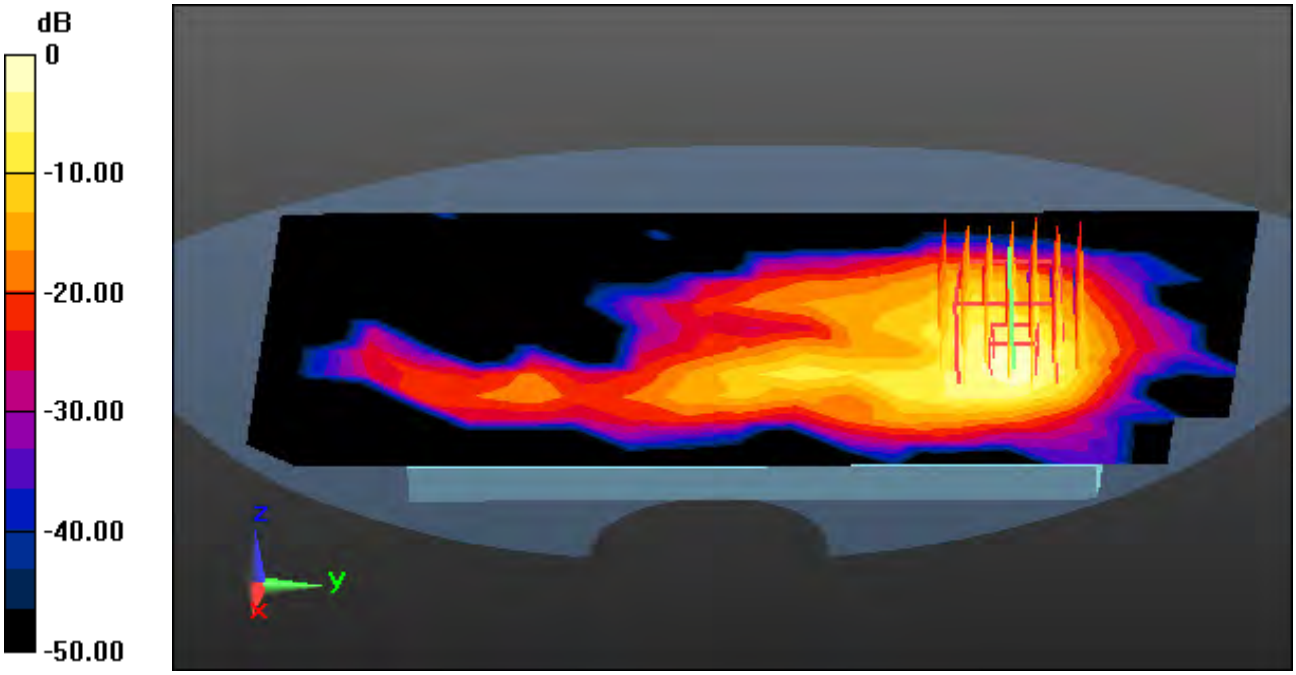
Communication System: UID 0, 00_2.4 GHz W-LAN (0); Frequency: 2412 MHz; Duty Cycle: 1:1
Medium parameters used: f = 2412 MHz; σ = 1.903 S/m; ε_r = 54.433; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:
Probe: EX3DV4 - SN3916; ConvF(7.69, 7.69, 7.69); Calibrated: 4/25/2018; Electronics: DAE4 Sn1394
Sensor-Surface: 2mm (Mechanical Surface Detection)
Phantom: SAM-twin middle_2013_09_24; Type: QD000P40CD; Serial: 1782
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

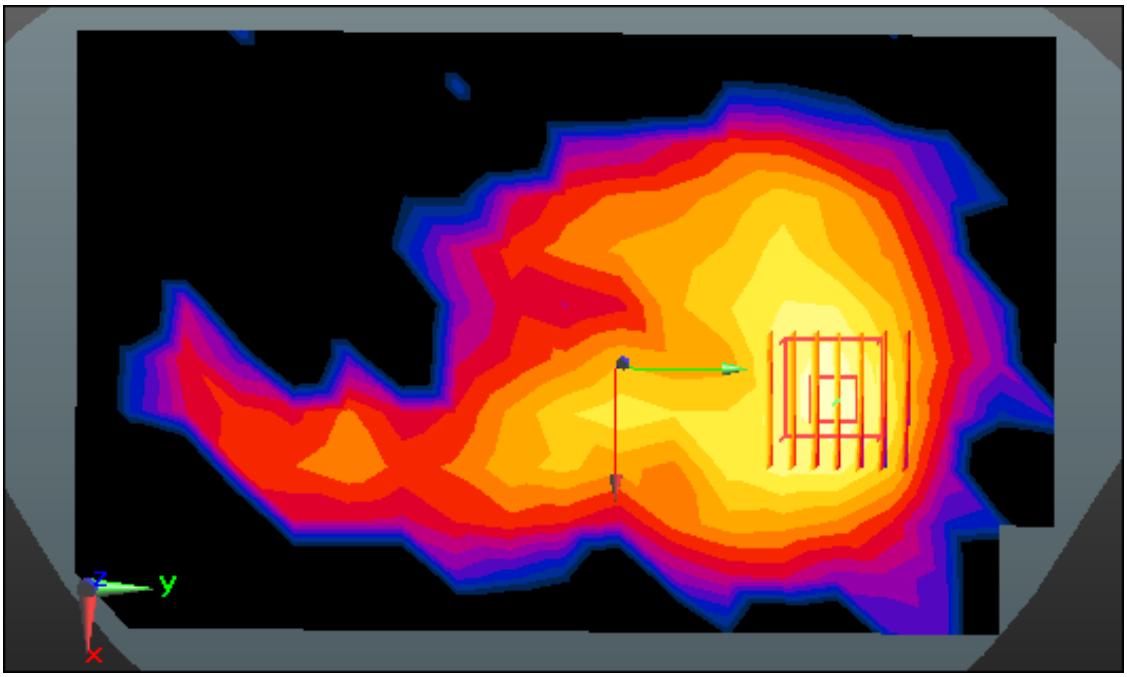
Test Date: 2019-01-02; Ambient Temp: 20.9; Tissue Temp: 20.7

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

Area Scan (12x19x1): Measurement grid: dx=12mm, dy=12mm
Zoom Scan (8x8x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Power Drift = -0.11 dB
Peak SAR (extrapolated) = 0.238 W/kg
SAR(1 g) = 0.113 W/kg; SAR(10 g) = 0.057 W/kg



0 dB = 0.169 W/kg



Enlarged Plot for A30

DT&C Co., Ltd.

DUT: LM-X420HM; Type: Bar

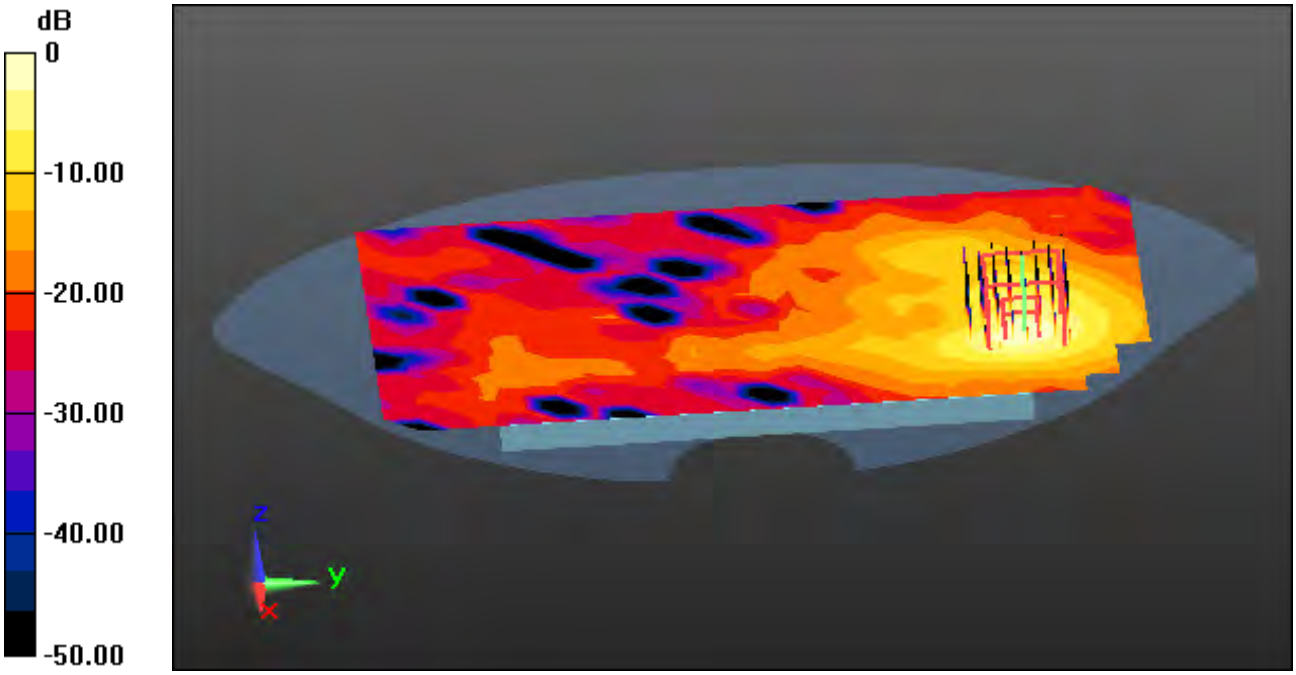
Communication System: UID 0, W-LAN_5 GHz(FCC) (0); Frequency: 5320 MHz; Duty Cycle: 1:1
Medium parameters used: f = 5320 MHz; σ = 5.434 S/m; ε_r = 48.47; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:
Probe: EX3DV4 - SN3916; ConvF(4.44, 4.44, 4.44); Calibrated: 4/25/2018; Electronics: DAE4 Sn1394
Sensor-Surface: 1.4mm (Mechanical Surface Detection)
Phantom: SAM-twin right_2013_09_24; Type: QD000P40CD; Serial: TP:1783
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

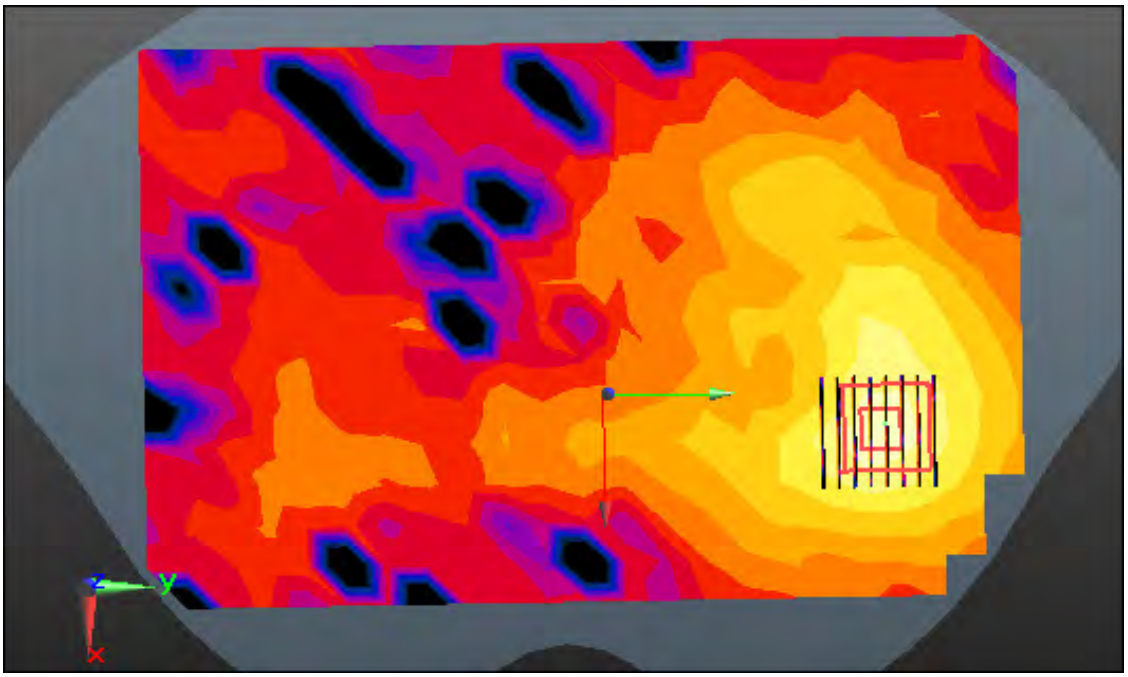
Test Date: 2019-01-05; Ambient Temp: 21.1; Tissue Temp: 21.0

1 cm space from Body, Rear, W-LAN(802.11a - 5.3G) Ch. 64, Ant Internal

Area Scan (15x23x1): Measurement grid: dx=10mm, dy=10mm
Zoom Scan (8x8x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm, Graded Ratio: 1.4
Power Drift = -0.12 dB
Peak SAR (extrapolated) = 1.20 W/kg
SAR(1 g) = 0.308 W/kg; SAR(10 g) = 0.099 W/kg



0 dB = 0.742 W/kg



Enlarged Plot for A31

DT&C Co., Ltd.

DUT: LM-X420HM; Type: Bar

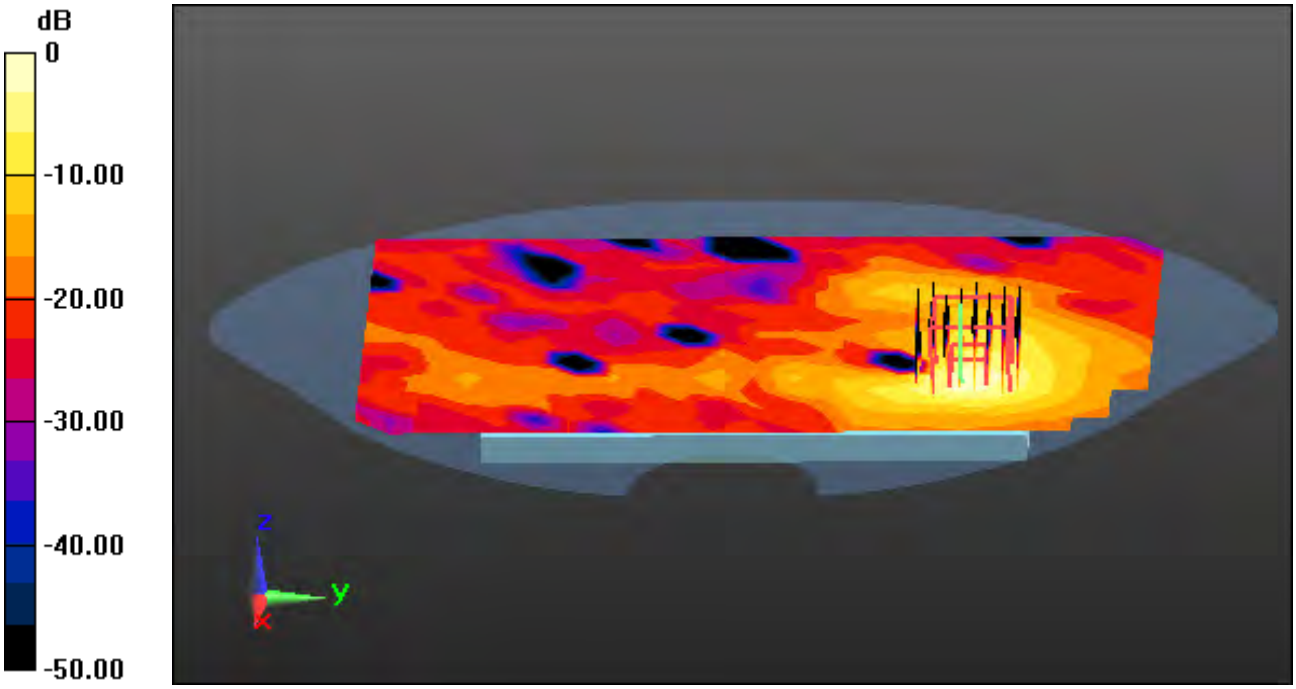
Communication System: UID 0, W-LAN_5 GHz(FCC) (0); Frequency: 5500 MHz; Duty Cycle: 1:1
Medium parameters used: f = 5500 MHz; σ = 5.46 S/m; ε_r = 47.375; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:
Probe: EX3DV4 - SN3916; ConvF(4.23, 4.23, 4.23); Calibrated: 4/25/2018; Electronics: DAE4 Sn1394
Sensor-Surface: 1.4mm (Mechanical Surface Detection)
Phantom: SAM-twin right_2013_09_24; Type: QD000P40CD; Serial: TP:1783
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

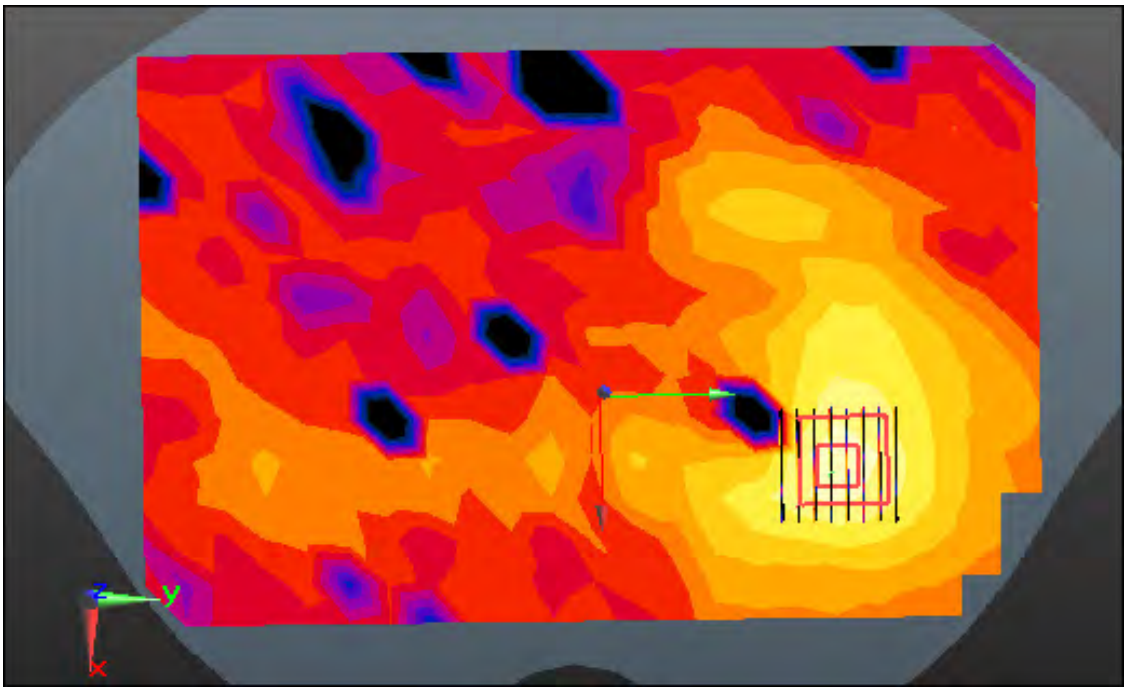
Test Date: 2019-01-07; Ambient Temp: 21.0; Tissue Temp: 21.3

1 cm space from Body, Rear, W-LAN(802.11a - 5.6G) Ch. 100, Ant Internal

Area Scan (15x23x1): Measurement grid: dx=10mm, dy=10mm
Zoom Scan (8x8x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm, Graded Ratio: 1.4
Power Drift = -0.12 dB
Peak SAR (extrapolated) = 1.32 W/kg
SAR(1 g) = 0.318 W/kg; SAR(10 g) = 0.098 W/kg



0 dB = 0.778 W/kg



Enlarged Plot for A32

DT&C Co., Ltd.

DUT: LM-X420HM; Type: Bar

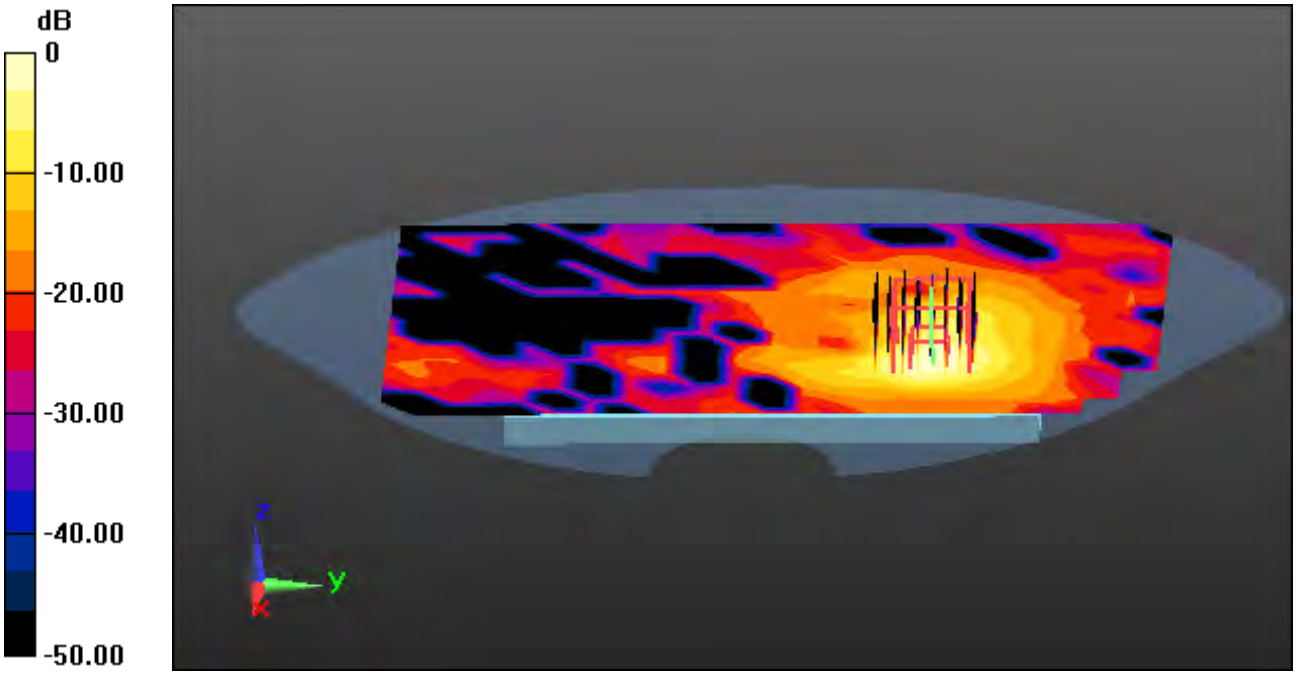
Communication System: UID 0, W-LAN_5 GHz(FCC) (0); Frequency: 5825 MHz; Duty Cycle: 1:1
Medium parameters used: f = 5825 MHz; σ = 5.935 S/m; ε_r = 46.833; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:
Probe: EX3DV4 - SN3916; ConvF(4.31, 4.31, 4.31); Calibrated: 4/25/2018; Electronics: DAE4 Sn1394
Sensor-Surface: 1.4mm (Mechanical Surface Detection)
Phantom: SAM-twin right_2013_09_24; Type: QD000P40CD; Serial: TP:1783
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

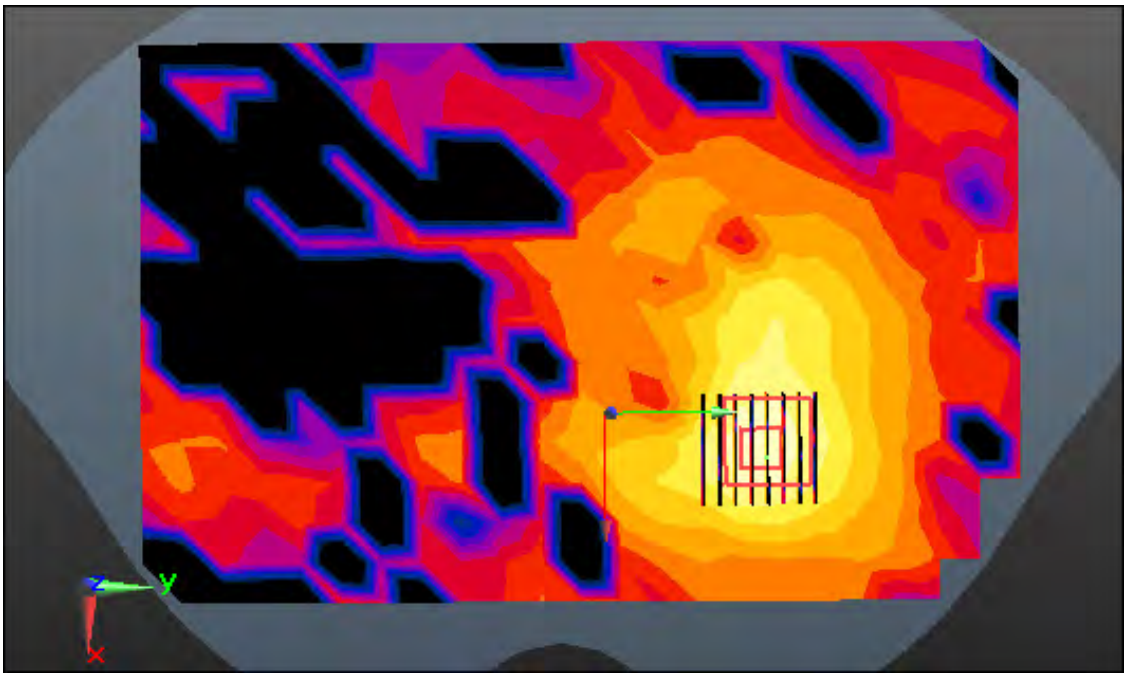
Test Date: 2019-01-03; Ambient Temp: 20.5; Tissue Temp: 20.8

1 cm space from Body, Rear, W-LAN(802.11a - 5.8G) Ch. 165, Ant Internal

Area Scan (15x23x1): Measurement grid: dx=10mm, dy=10mm
Zoom Scan (8x8x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm, Graded Ratio: 1.4
Power Drift = -0.16 dB
Peak SAR (extrapolated) = 1.10 W/kg
SAR(1 g) = 0.248 W/kg; SAR(10 g) = 0.080 W/kg



0 dB = 0.623 W/kg



Enlarged Plot for A33

DT&C Co., Ltd.

DUT: LM-X420HM; Type: Bar

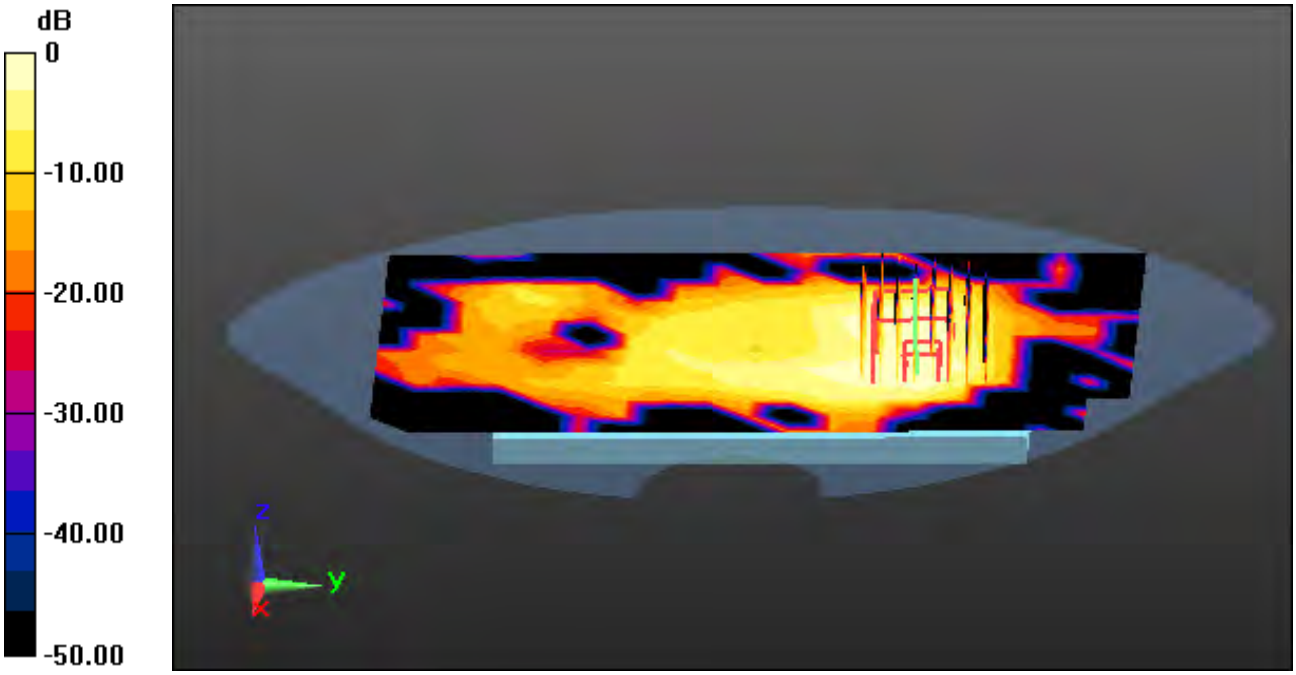
Communication System: UID 0, Bluetooth (0); Frequency: 2441 MHz; Duty Cycle: 1:1.302
Medium parameters used: f = 2441 MHz; σ = 1.941 S/m; ε_r = 54.352; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:
Probe: EX3DV4 - SN3916; ConvF(7.69, 7.69, 7.69); Calibrated: 4/25/2018; Electronics: DAE4 Sn1394
Sensor-Surface: 2mm (Mechanical Surface Detection)
Phantom: SAM-twin middle_2013_09_24; Type: QD000P40CD; Serial: 1782
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

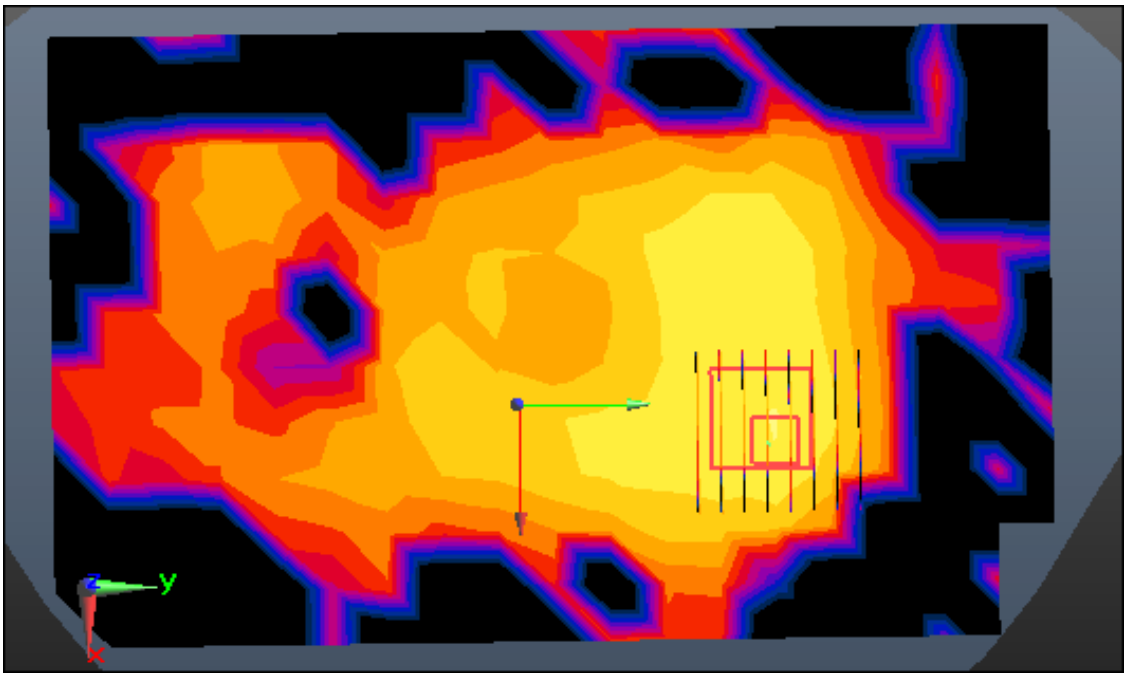
Test Date: 2019-01-02; Ambient Temp: 20.9; Tissue Temp: 20.7

1 cm space from Body, Rear, Bluetooth 1Mbps Ch. 39, Ant Internal

Area Scan (12x19x1): Measurement grid: dx=12mm, dy=12mm
Zoom Scan (8x8x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Power Drift = 0.11 dB
Peak SAR (extrapolated) = 0.0370 W/kg
SAR(1 g) = 0.017 W/kg; SAR(10 g) = 0.0073 W/kg



0 dB = 0.0264 W/kg



Enlarged Plot for A34

DUT: LM-X420HM; Type: Bar

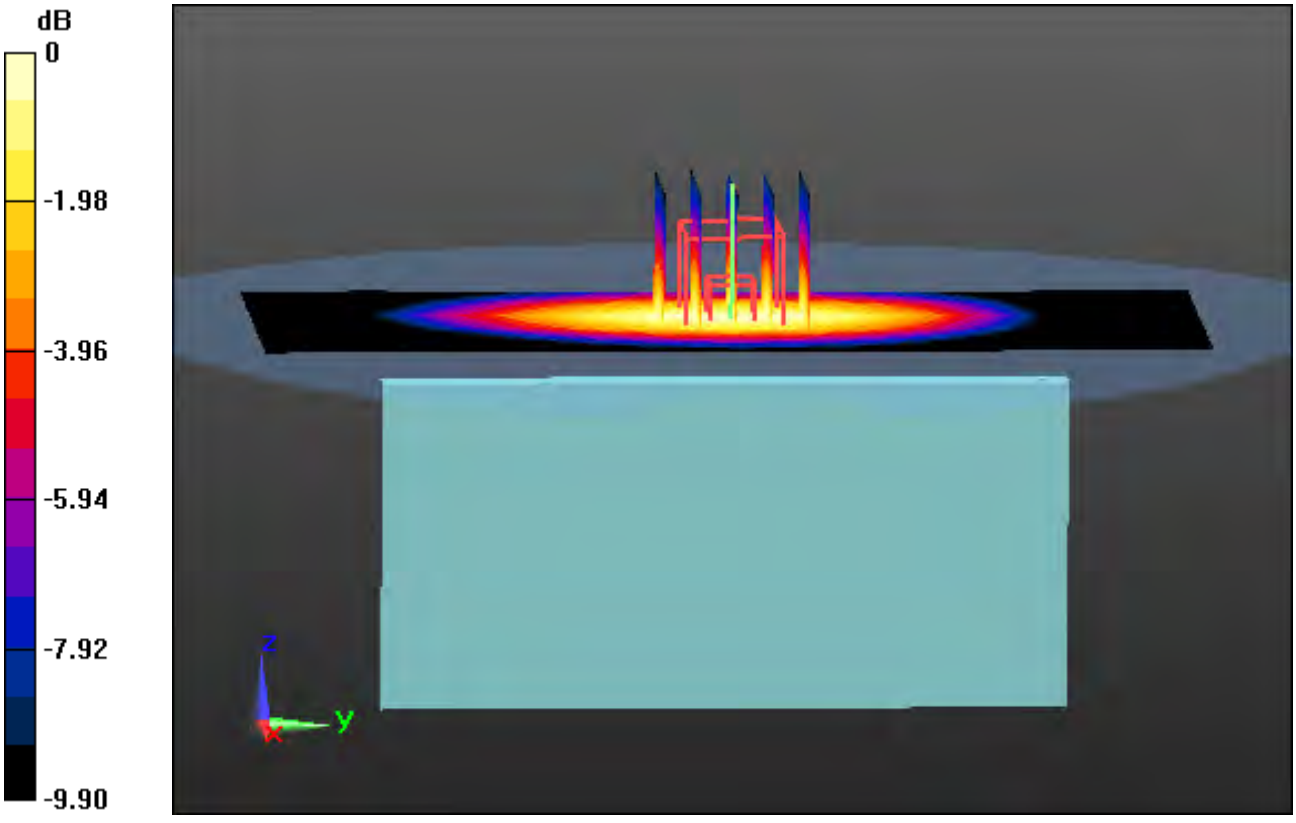
Communication System: UID 0, GSM 850_12 (0); Frequency: 836.6 MHz;Duty Cycle: 1:2.075
Medium parameters used: f = 836.6 MHz; σ = 0.993 S/m; ε_r = 53.879; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:
Probe: EX3DV4 - SN3933; ConvF(10.27, 10.27, 10.27); Calibrated: 9/25/2018; Electronics: DAE4 Sn1396
Sensor-Surface: 2mm (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)

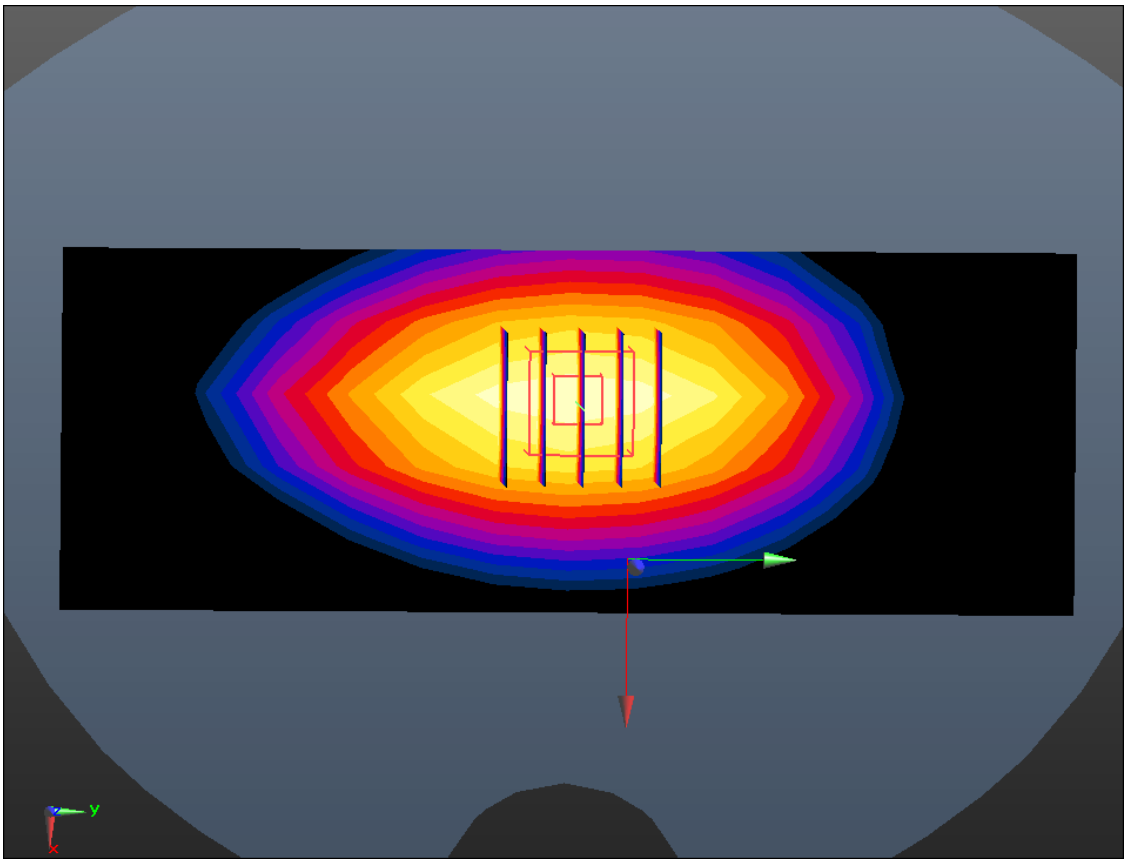
Test Date: 2018-12-28; Ambient Temp: 20.2; Tissue Temp: 21.0

1cm space from Body, Right, GSM850 GPRS 4Tx Ch. 190, Ant Internal

Area Scan (6x15x1): Measurement grid: dx=15mm, dy=15mm
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Power Drift = -0.05 dB
Peak SAR (extrapolated) = 0.840 W/kg
SAR(1 g) = 0.585 W/kg; SAR(10 g) = 0.397 W/kg



0 dB = 0.726 W/kg



Enlarged Plot for A35

DT&C Co., Ltd.

DUT: LM-X420HM; Type: Bar

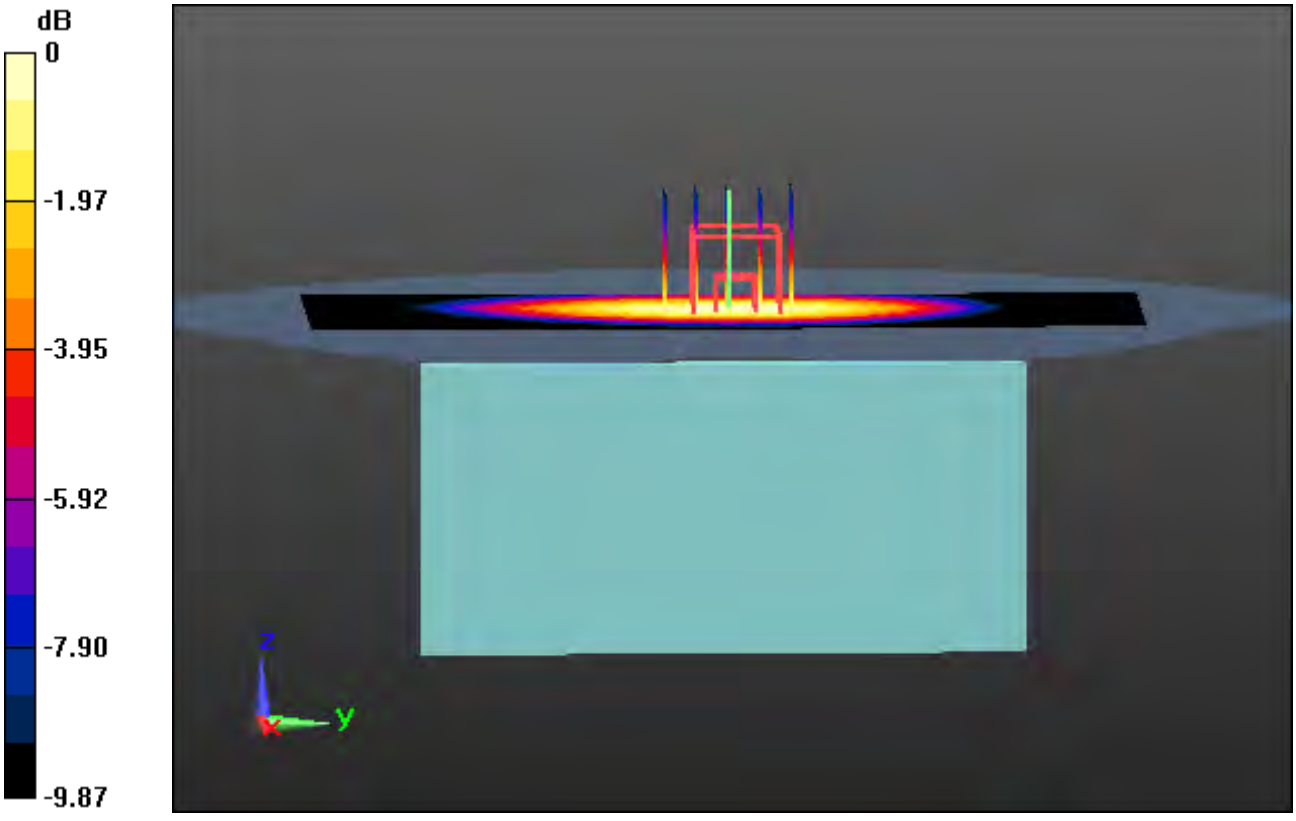
Communication System: UID 0, WCDMA 850 (0); Frequency: 836.6 MHz;Duty Cycle: 1:1
Medium parameters used: f = 836.6 MHz; σ = 0.994 S/m; ε_r = 54.335; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:
Probe: EX3DV4 - SN3933; ConvF(10.27, 10.27, 10.27); Calibrated: 9/25/2018; Electronics: DAE4 Sn1396
Sensor-Surface: 2mm (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)

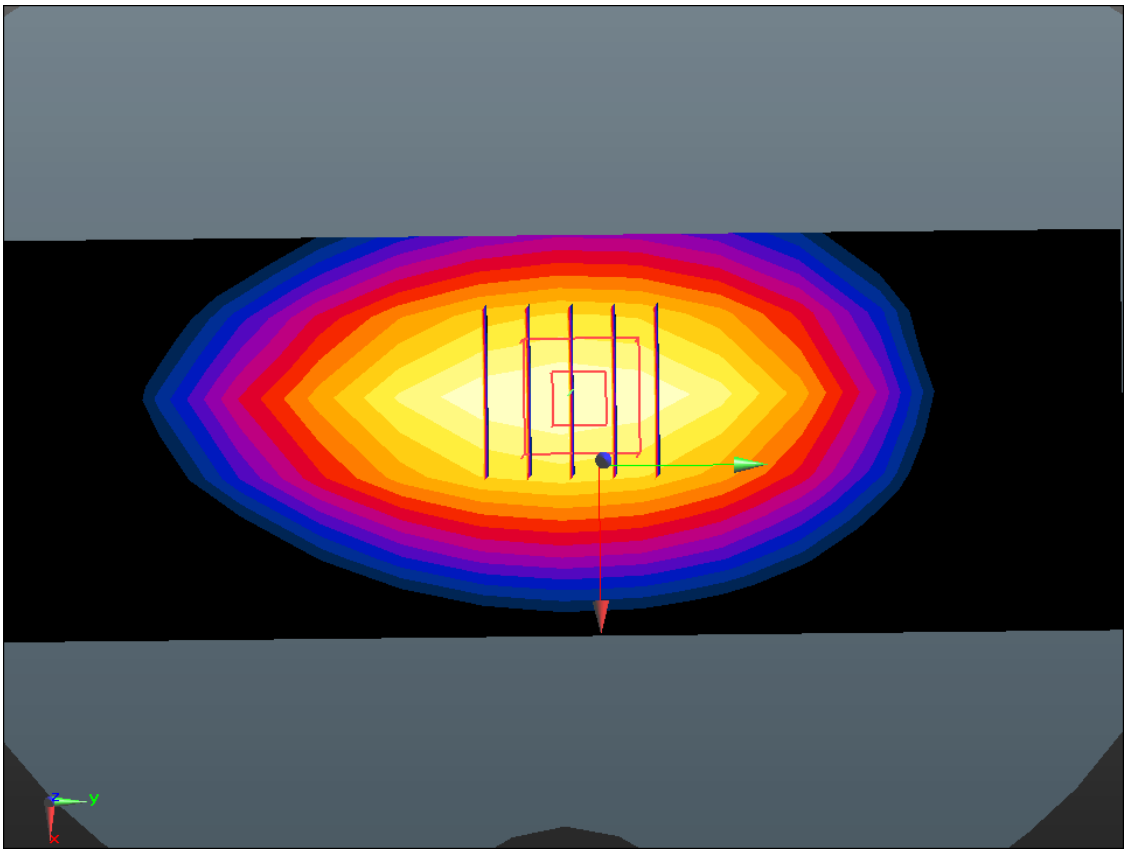
Test Date: 2019-01-02; Ambient Temp: 20.3; Tissue Temp: 21.2

1cm space from Body, Right, WCDMA Band 5 Ch. 4183, Ant Internal

Area Scan (6x15x1): Measurement grid: dx=15mm, dy=15mm
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Power Drift = -0.06 dB
Peak SAR (extrapolated) = 1.11 W/kg
SAR(1 g) = 0.773 W/kg; SAR(10 g) = 0.528 W/kg



0 dB = 0.955 W/kg



Enlarged Plot for A36

DT&C Co., Ltd.

DUT: LM-X420HM; Type: Bar

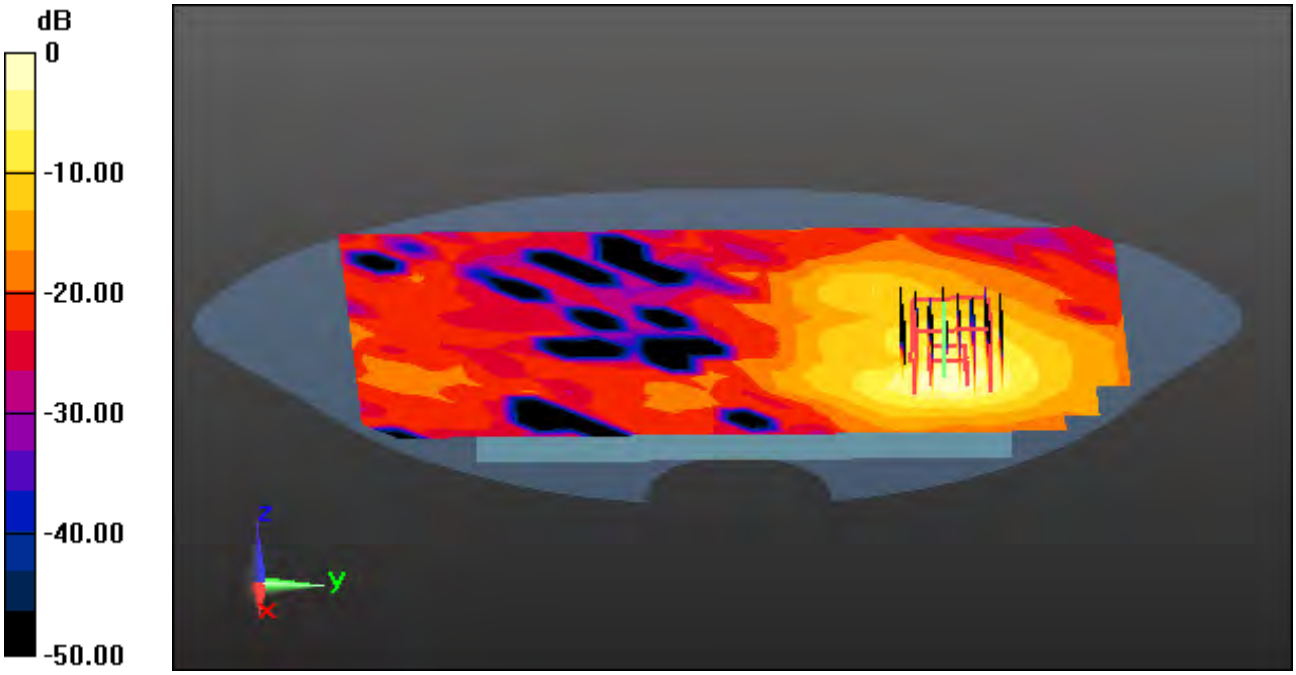
Communication System: UID 0, W-LAN_5 GHz(FCC) (0); Frequency: 5220 MHz; Duty Cycle: 1:1
Medium parameters used: f = 5220 MHz; σ = 5.316 S/m; ε_r = 48.992; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:
Probe: EX3DV4 - SN3916; ConvF(4.66, 4.66, 4.66); Calibrated: 4/25/2018; Electronics: DAE4 Sn1394
Sensor-Surface: 1.4mm (Mechanical Surface Detection)
Phantom: SAM-twin right_2013_09_24; Type: QD000P40CD; Serial: TP:1783
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

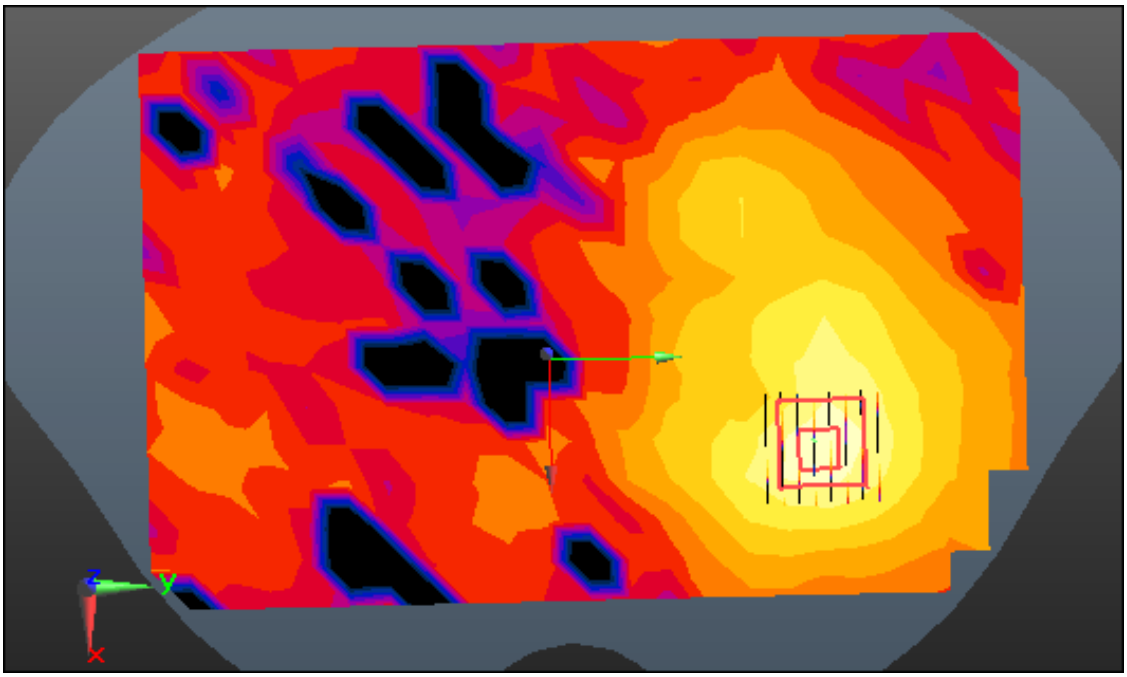
Test Date: 2019-01-04; Ambient Temp: 21.0; Tissue Temp: 20.9

1 cm space from Body, Rear, W-LAN(802.11a - 5.2G) Ch. 44, Ant Internal

Area Scan (15x23x1): Measurement grid: dx=10mm, dy=10mm
Zoom Scan (8x8x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm, Graded Ratio: 1.4
Power Drift = -0.11 dB
Peak SAR (extrapolated) = 1.06 W/kg
SAR(1 g) = 0.279 W/kg; SAR(10 g) = 0.090 W/kg



0 dB = 0.646 W/kg



Enlarged Plot for A37

DT&C Co., Ltd.

DUT: LM-X420HM; Type: Bar

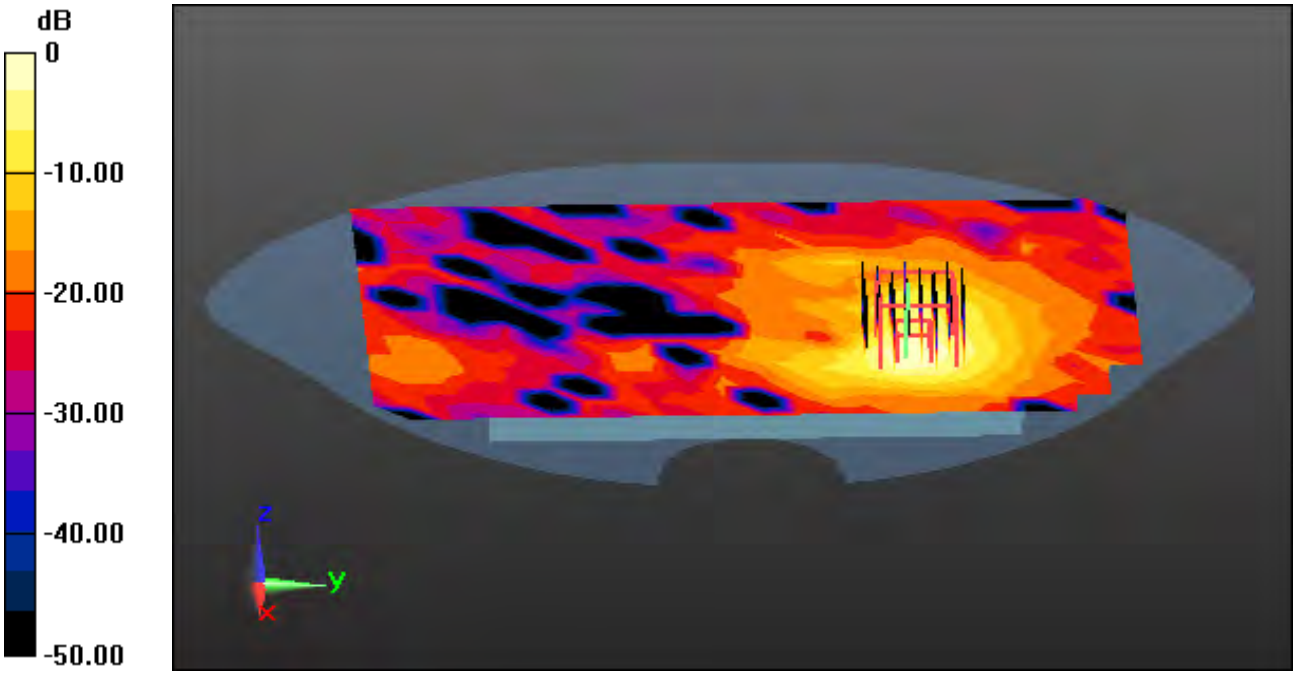
Communication System: UID 0, W-LAN_5 GHz(FCC) (0); Frequency: 5745 MHz; Duty Cycle: 1:1
Medium parameters used: f = 5745 MHz; σ = 5.812 S/m; ε_r = 46.984; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:
Probe: EX3DV4 - SN3916; ConvF(4.31, 4.31, 4.31); Calibrated: 4/25/2018; Electronics: DAE4 Sn1394
Sensor-Surface: 1.4mm (Mechanical Surface Detection)
Phantom: SAM-twin right_2013_09_24; Type: QD000P40CD; Serial: TP:1783
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

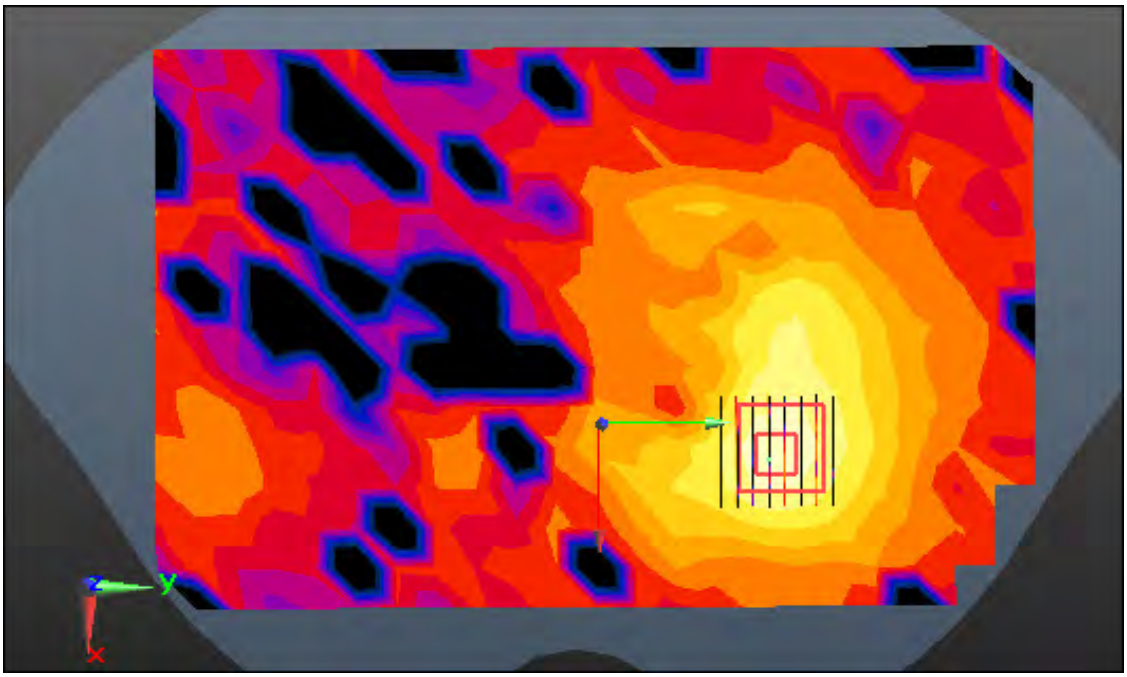
Test Date: 2019-01-03; Ambient Temp: 20.5; Tissue Temp: 20.8

1 cm space from Body, Rear, W-LAN(802.11a - 5.8G) Ch. 149, Ant Internal

Area Scan (15x23x1): Measurement grid: dx=10mm, dy=10mm
Zoom Scan (8x8x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm, Graded Ratio: 1.4
Power Drift = -0.06 dB
Peak SAR (extrapolated) = 1.04 W/kg
SAR(1 g) = 0.229 W/kg; SAR(10 g) = 0.074 W/kg



0 dB = 0.574 W/kg



Enlarged Plot for A38

DT&C Co., Ltd.

DUT: LM-X420HM; Type: Bar

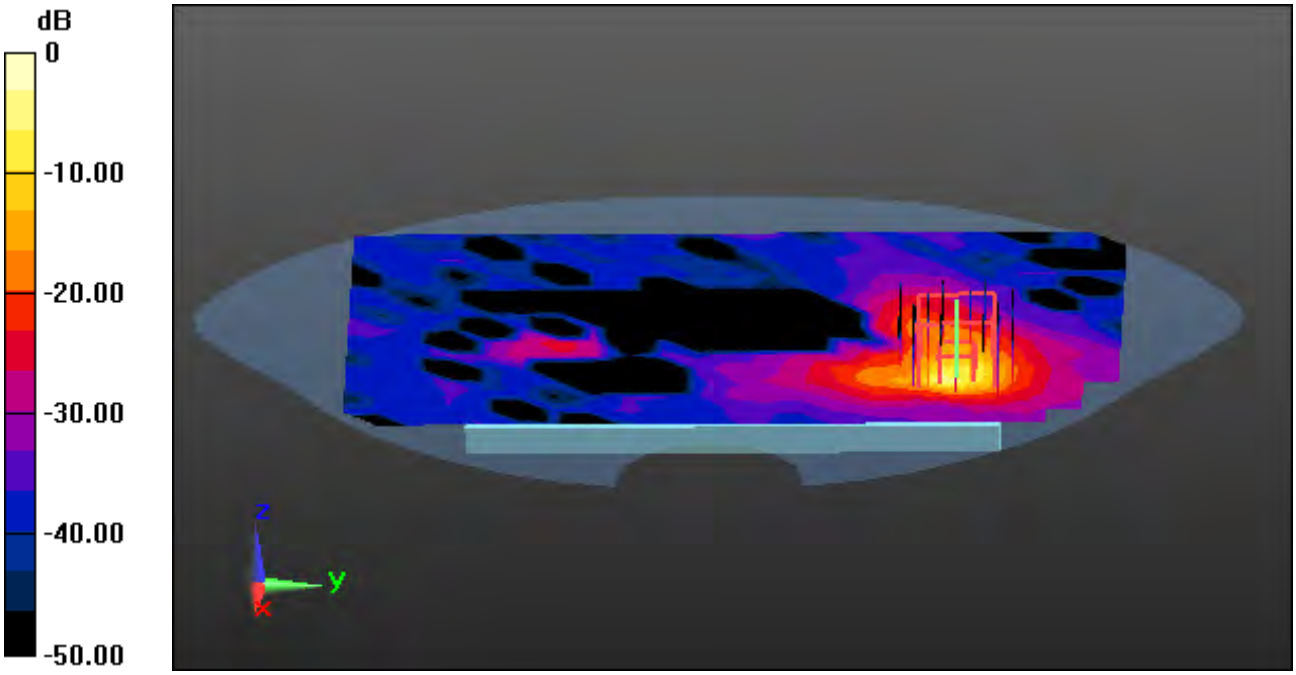
Communication System: UID 0, W-LAN_5 GHz(FCC) (0); Frequency: 5320 MHz; Duty Cycle: 1:1
Medium parameters used: f = 5320 MHz; σ = 5.434 S/m; ε_r = 48.47; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:
Probe: EX3DV4 - SN3916; ConvF(4.44, 4.44, 4.44); Calibrated: 4/25/2018; Electronics: DAE4 Sn1394
Sensor-Surface: 1.4mm (Mechanical Surface Detection)
Phantom: SAM-twin right_2013_09_24; Type: QD000P40CD; Serial: TP:1783
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

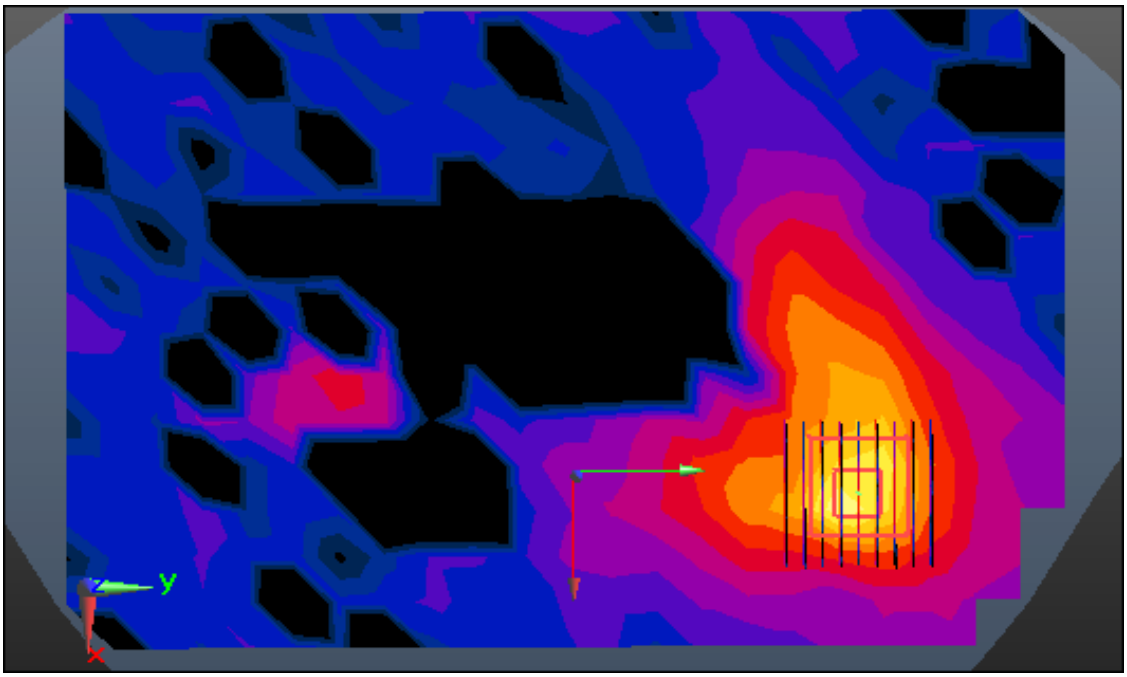
Test Date: 2019-01-05; Ambient Temp: 21.1; Tissue Temp: 21.0

Touch from Body, Rear, W-LAN(802.11a - 5.3G) Ch. 64, Ant Internal

Area Scan (15x23x1): Measurement grid: dx=10mm, dy=10mm
Zoom Scan (9x9x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm, Graded Ratio: 1.4
Power Drift = -0.02 dB
Peak SAR (extrapolated) = 34.6 W/kg
SAR(1 g) = 4.99 W/kg; SAR(10 g) = 0.899 W/kg



0 dB = 19.0 W/kg



Enlarged Plot for A39

DT&C Co., Ltd.

DUT: LM-X420HM; Type: Bar

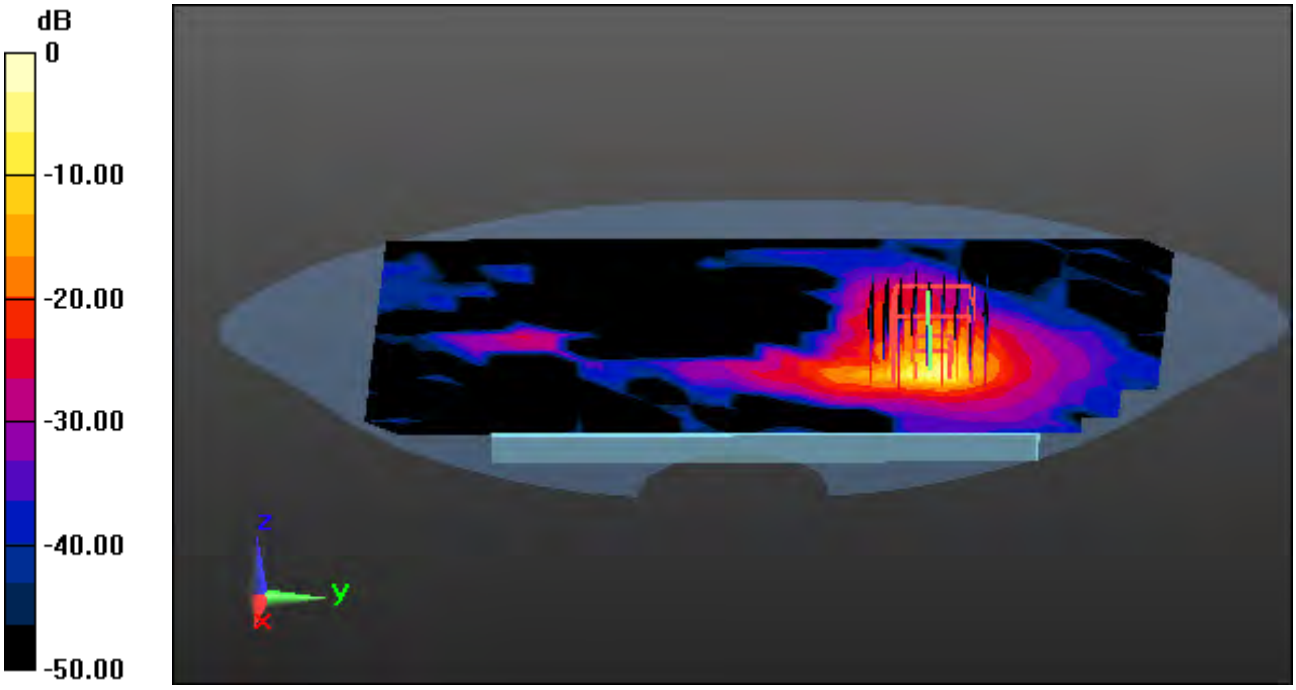
Communication System: UID 0, W-LAN_5 GHz(FCC) (0); Frequency: 5500 MHz; Duty Cycle: 1:1
Medium parameters used: f = 5500 MHz; σ = 5.46 S/m; ε_r = 47.375; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:
Probe: EX3DV4 - SN3916; ConvF(4.23, 4.23, 4.23); Calibrated: 4/25/2018; Electronics: DAE4 Sn1394
Sensor-Surface: 1.4mm (Mechanical Surface Detection)
Phantom: SAM-twin right_2013_09_24; Type: QD000P40CD; Serial: TP:1783
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

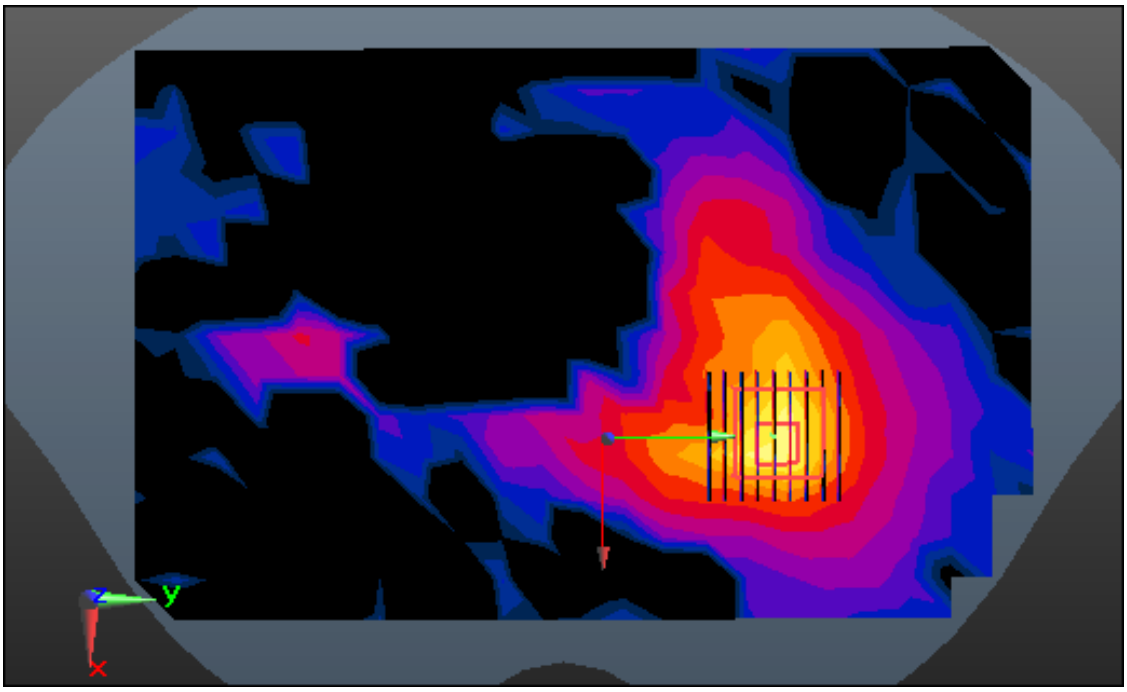
Test Date: 2019-01-07; Ambient Temp: 21.0; Tissue Temp: 21.3

Touch from Body, Rear, W-LAN(802.11a - 5.6G) Ch. 100, Ant Internal

Area Scan (15x23x1): Measurement grid: dx=10mm, dy=10mm
Zoom Scan (9x9x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm, Graded Ratio: 1.4
Power Drift = -0.08 dB
Peak SAR (extrapolated) = 40.9 W/kg
SAR(1 g) = 5.27 W/kg; SAR(10 g) = 0.947 W/kg



0 dB = 17.5 W/kg



Enlarged Plot for A40

DT&C Co., Ltd.

DUT: LM-X420HM; Type: Bar

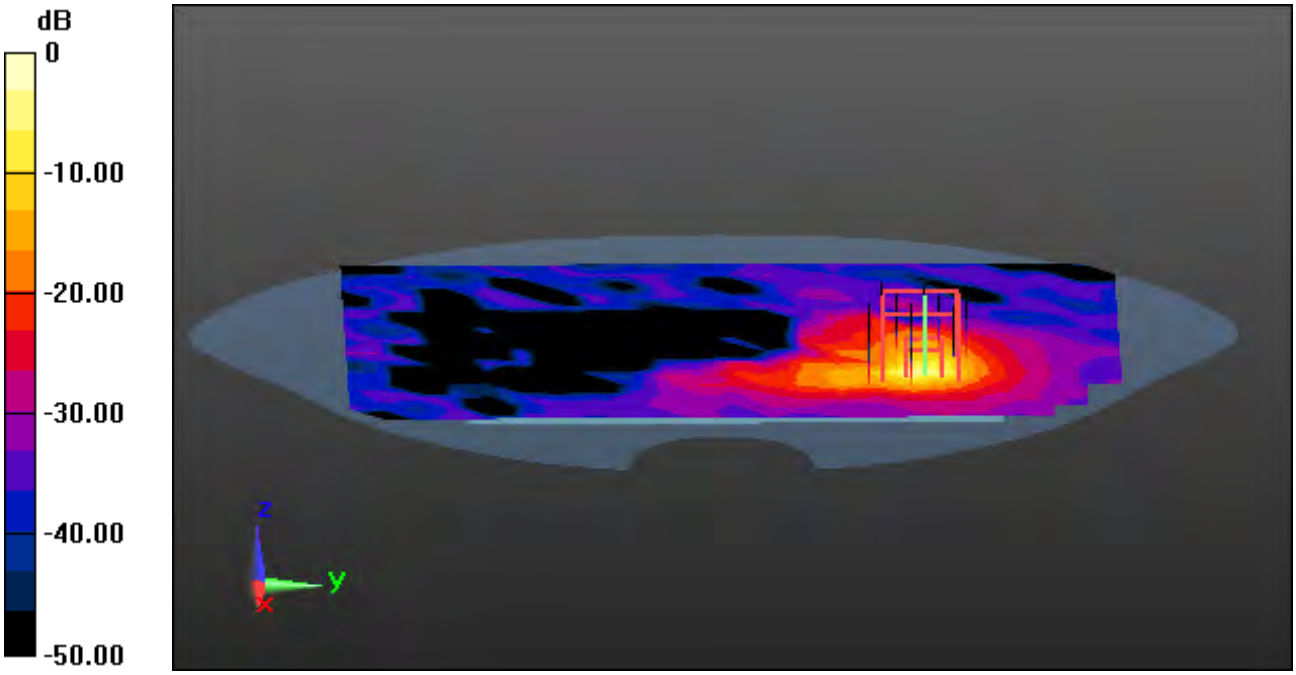
Communication System: UID 0, W-LAN_5 GHz(FCC) (0); Frequency: 5825 MHz; Duty Cycle: 1:1
Medium parameters used: f = 5825 MHz; σ = 5.935 S/m; ε_r = 46.833; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:
Probe: EX3DV4 - SN3916; ConvF(4.31, 4.31, 4.31); Calibrated: 4/25/2018; Electronics: DAE4 Sn1394
Sensor-Surface: 1.4mm (Mechanical Surface Detection)
Phantom: SAM-twin right_2013_09_24; Type: QD000P40CD; Serial: TP:1783
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

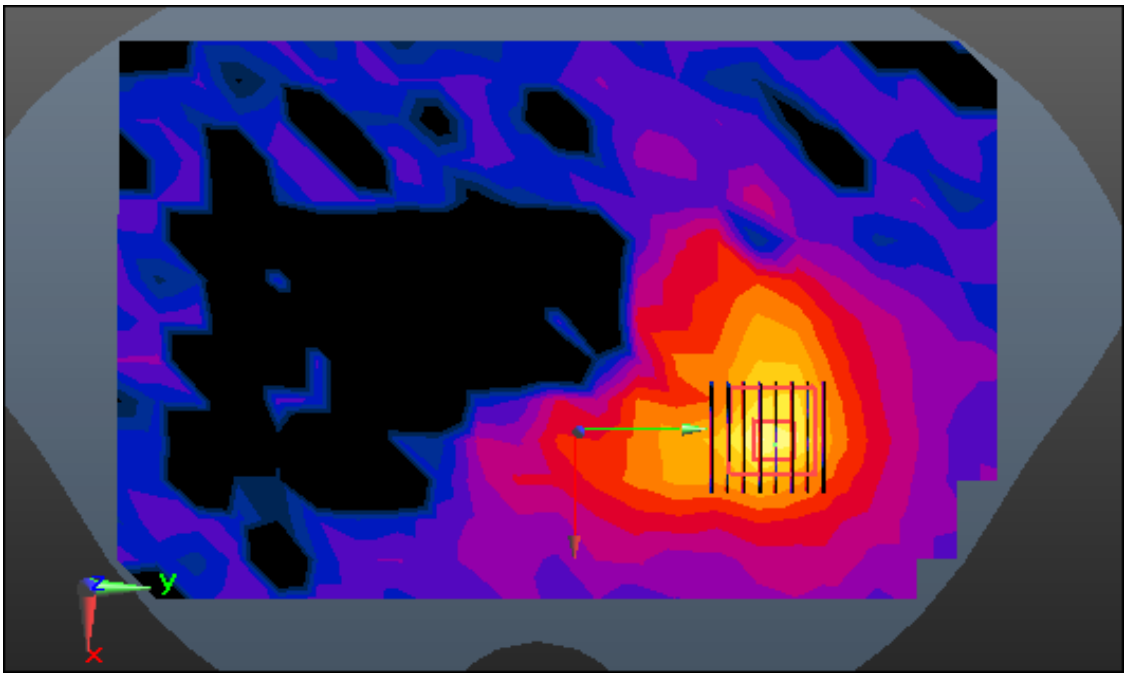
Test Date: 2019-01-03; Ambient Temp: 20.5; Tissue Temp: 20.8

Touch from Body, Rear, W-LAN(802.11a - 5.8G) Ch. 165, Ant Internal

Area Scan (15x23x1): Measurement grid: dx=10mm, dy=10mm
Zoom Scan (8x8x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm, Graded Ratio: 1.4
Power Drift = -0.13 dB
Peak SAR (extrapolated) = 26.2 W/kg
SAR(1 g) = 3.47 W/kg; SAR(10 g) = 0.670 W/kg



0 dB = 13.7 W/kg



Enlarged Plot for A41