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

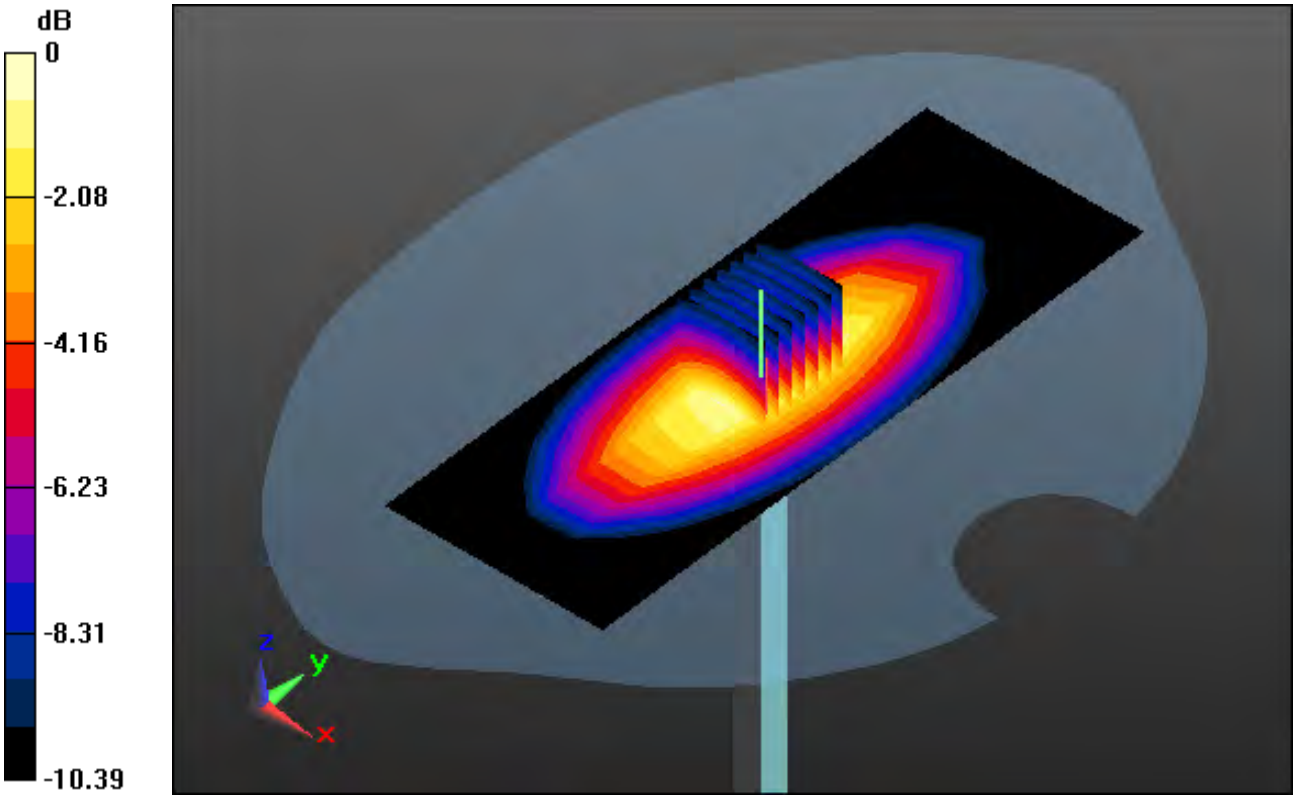
Communication System: UID 0, CW (0); Frequency: 750 MHz;Duty Cycle: 1:1
Medium parameters used: f = 750 MHz; σ = 0.92 S/m; ε_r = 40.868; ρ = 1000 kg/m^3
Phantom section: Flat Section

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: 2019-03-06; Ambient Temp: 20.4; Tissue Temp: 20.9

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) = 2.98 W/kg
SAR(1 g) = 2.01 W/kg; SAR(10 g) = 1.32 W/kg



0 dB = 2.55 W/kg

DT&C Co., Ltd.

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

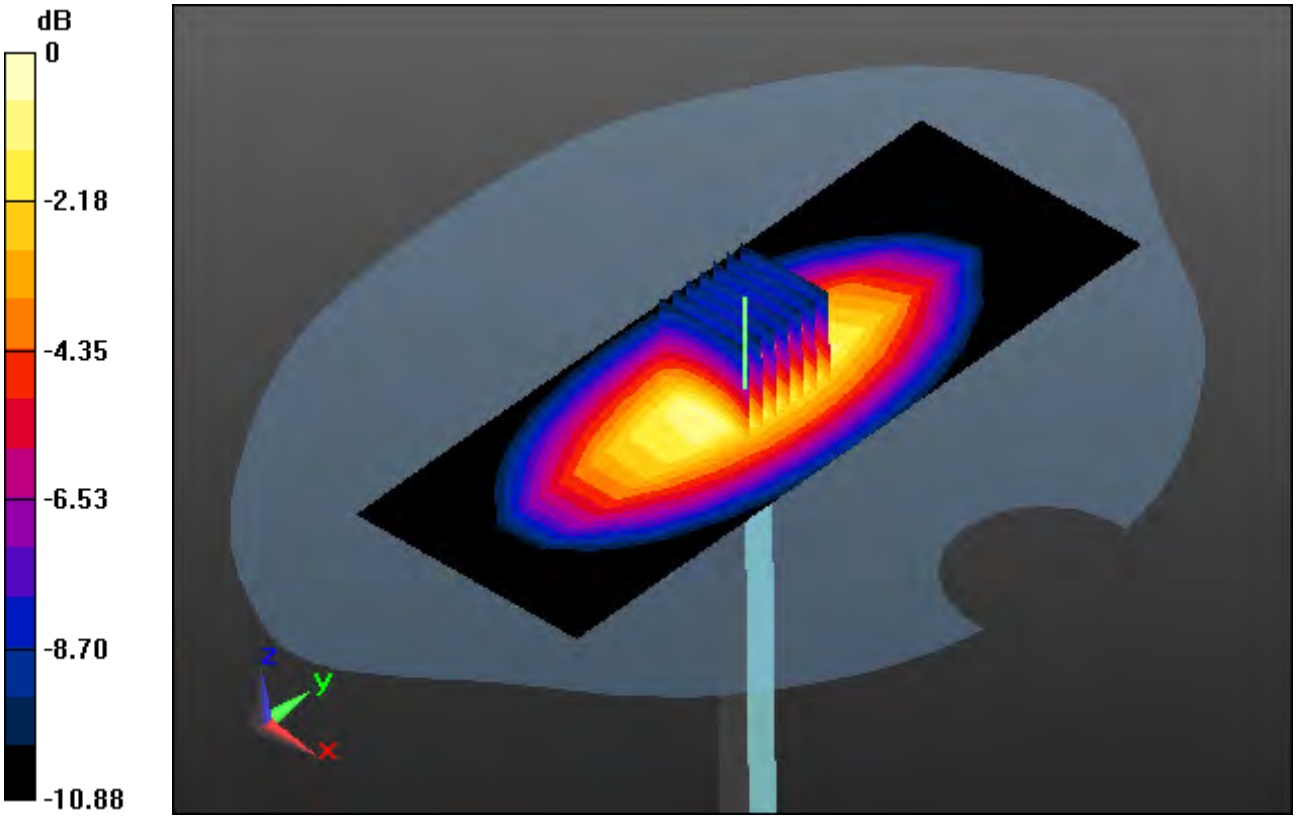
Communication System: UID 0, CW (0); Frequency: 750 MHz;Duty Cycle: 1:1
Medium parameters used: f = 750 MHz; σ = 0.968 S/m; ε_r = 55.941; ρ = 1000 kg/m^3
Phantom section: Flat Section

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: 2019-03-06; Ambient Temp: 20.4; Tissue Temp: 21.0

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 = 0.08 dB
Peak SAR (extrapolated) = 3.25 W/kg
SAR(1 g) = 2.19 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

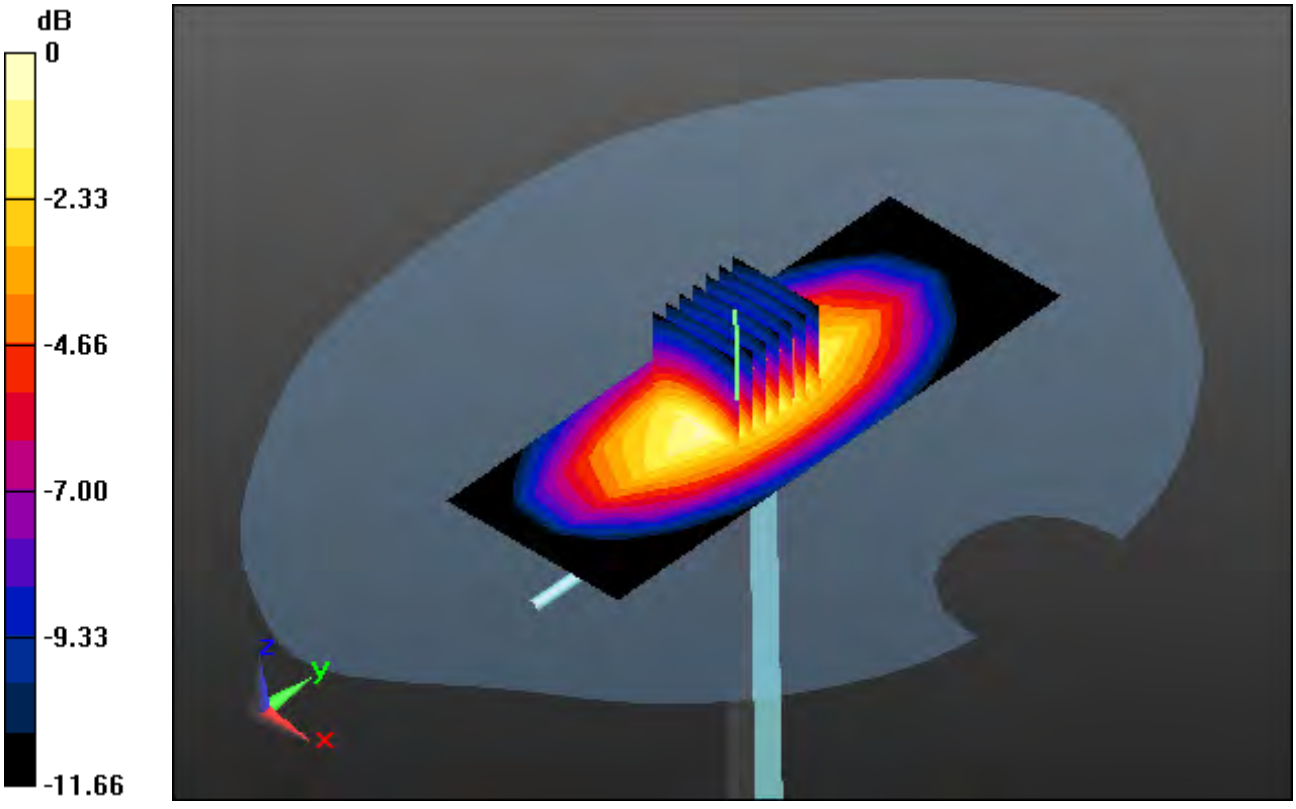
Communication System: UID 0, CW (0); Frequency: 835 MHz;Duty Cycle: 1:1
Medium parameters used: f = 835 MHz; σ = 0.894 S/m; ε_r = 41.507; ρ = 1000 kg/m^3
Phantom section: Flat Section

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: 2019-03-07; Ambient Temp: 20.5; 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) = 3.38 W/kg
SAR(1 g) = 2.2 W/kg; SAR(10 g) = 1.4 W/kg



0 dB = 2.83 W/kg

DT&C Co., Ltd.

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

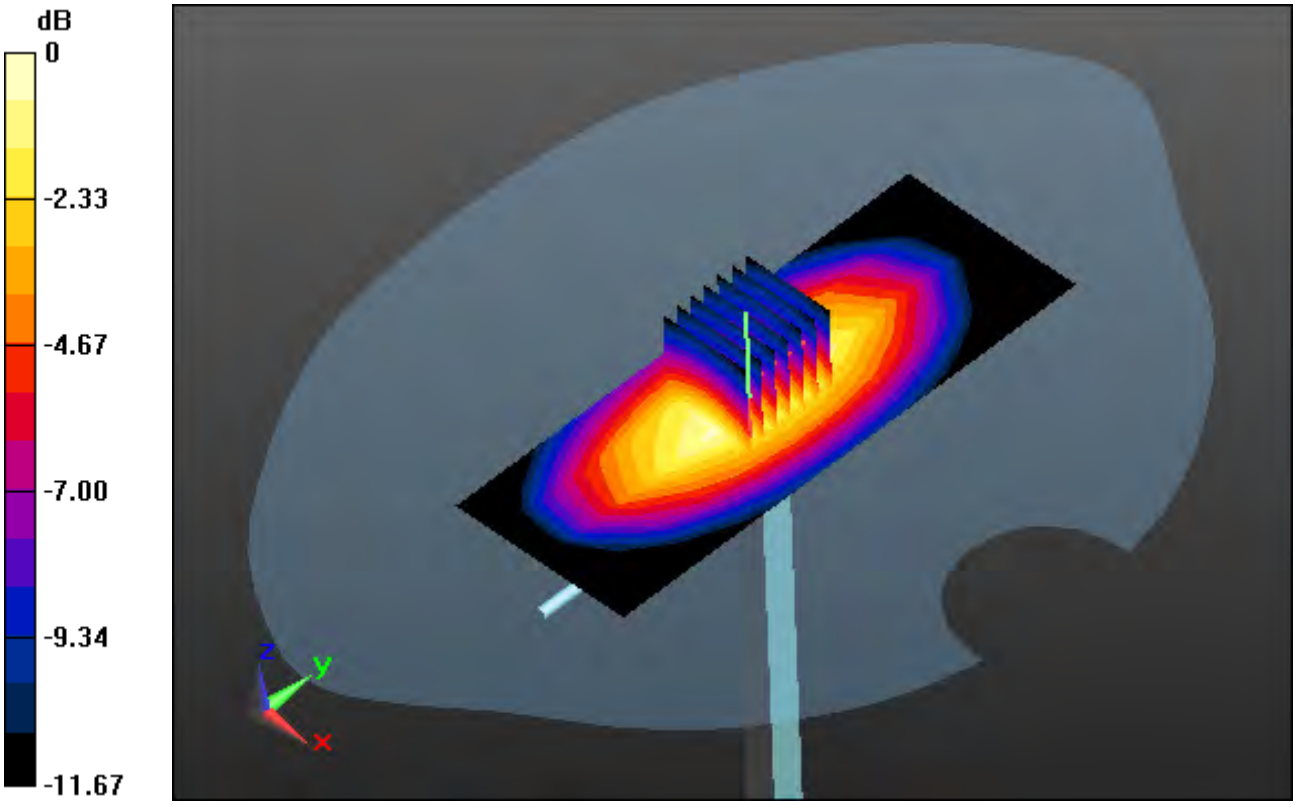
Communication System: UID 0, CW (0); Frequency: 835 MHz;Duty Cycle: 1:1
Medium parameters used: f = 835 MHz; σ = 0.99 S/m; ε_r = 54.67; ρ = 1000 kg/m^3
Phantom section: Flat Section

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: 2019-03-07; Ambient Temp: 20.5; 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 = 0.05 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

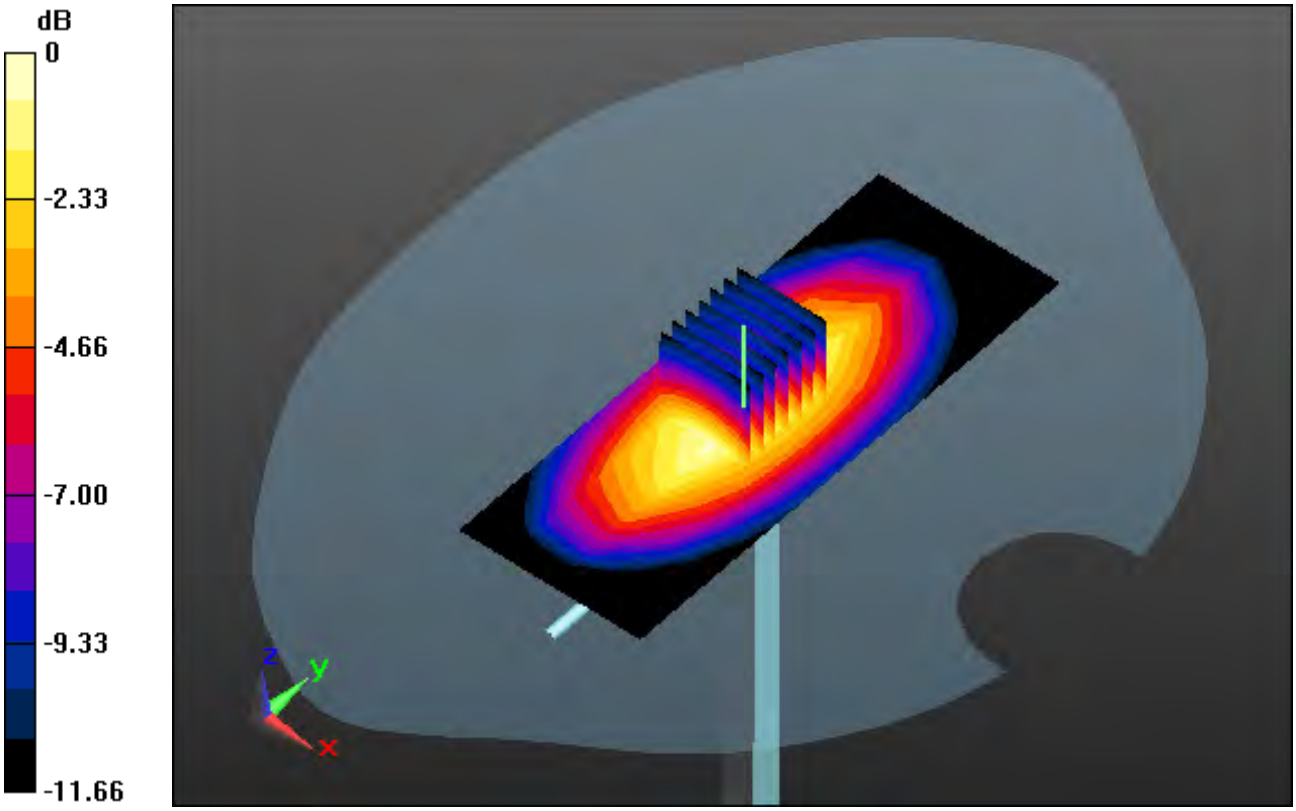
Communication System: UID 0, CW (0); Frequency: 835 MHz;Duty Cycle: 1:1
Medium parameters used: f = 835 MHz; σ = 0.892 S/m; ε_r = 41.516; ρ = 1000 kg/m^3
Phantom section: Flat Section

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: 2019-03-13; Ambient Temp: 20.1; Tissue Temp: 20.9

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 = 0.06 dB
Peak SAR (extrapolated) = 3.37 W/kg
SAR(1 g) = 2.19 W/kg; SAR(10 g) = 1.39 W/kg



0 dB = 2.83 W/kg

DT&C Co., Ltd.

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

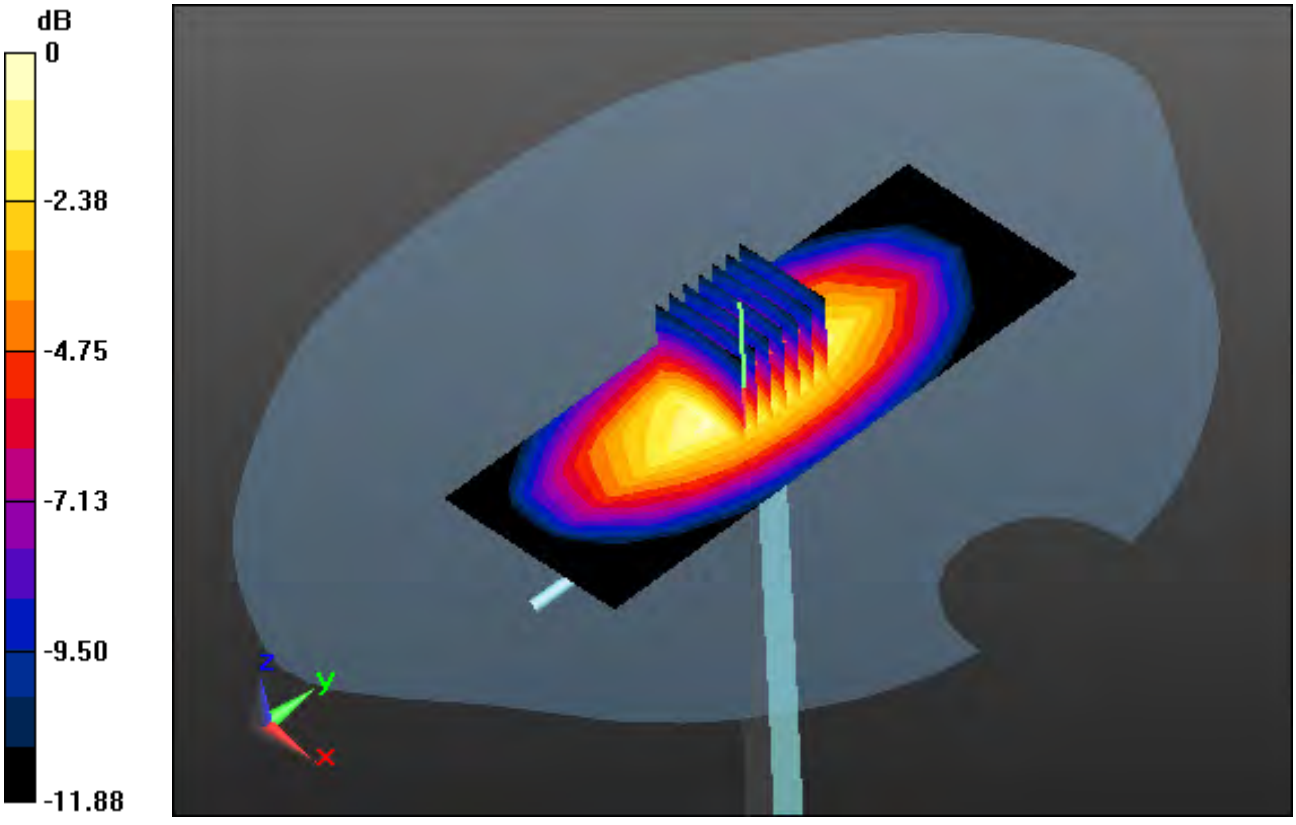
Communication System: UID 0, CW (0); Frequency: 835 MHz;Duty Cycle: 1:1
Medium parameters used: f = 835 MHz; σ = 0.989 S/m; ε_r = 54.602; ρ = 1000 kg/m^3
Phantom section: Flat Section

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: 2019-03-13; Ambient Temp: 20.1; 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 = 0.07 dB
Peak SAR (extrapolated) = 3.94 W/kg
SAR(1 g) = 2.47 W/kg; SAR(10 g) = 1.55 W/kg



0 dB = 3.13 W/kg

DT&C Co., Ltd.

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

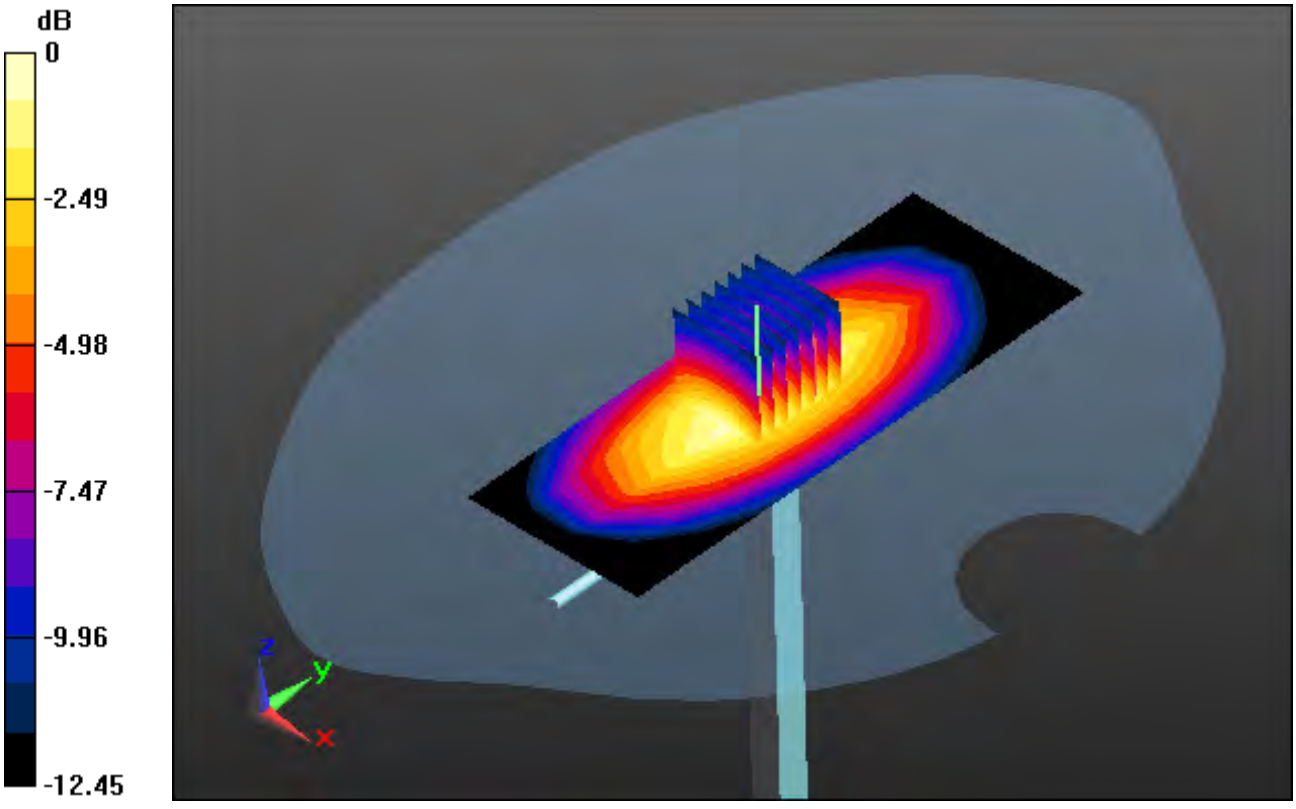
Communication System: UID 0, CW (0); Frequency: 835 MHz;Duty Cycle: 1:1
Medium parameters used: f = 835 MHz; σ = 0.892 S/m; ε_r = 41.543; ρ = 1000 kg/m^3
Phantom section: Flat Section

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: 2019-03-04; Ambient Temp: 20.5; Tissue Temp: 21.0

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 = 0.06 dB
Peak SAR (extrapolated) = 3.57 W/kg
SAR(1 g) = 2.29 W/kg; SAR(10 g) = 1.49 W/kg



0 dB = 2.94 W/kg

DT&C Co., Ltd.

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

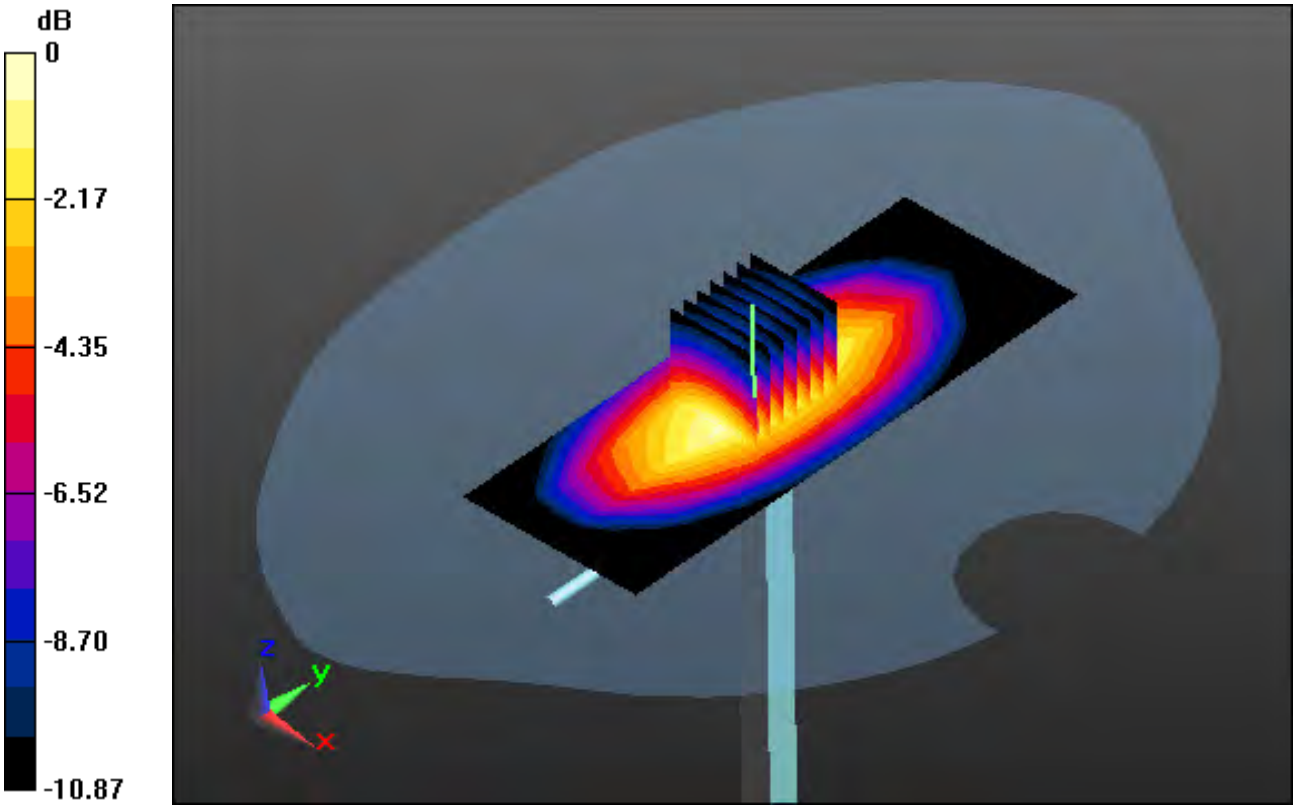
Communication System: UID 0, CW (0); Frequency: 835 MHz;Duty Cycle: 1:1
Medium parameters used: f = 835 MHz; σ = 0.988 S/m; ε_r = 54.526; ρ = 1000 kg/m^3
Phantom section: Flat Section

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: 2019-03-04; Ambient Temp: 20.5; Tissue Temp: 20.8

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) = 3.65 W/kg
SAR(1 g) = 2.36 W/kg; SAR(10 g) = 1.5 W/kg



0 dB = 3.05 W/kg

DT&C Co., Ltd.

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

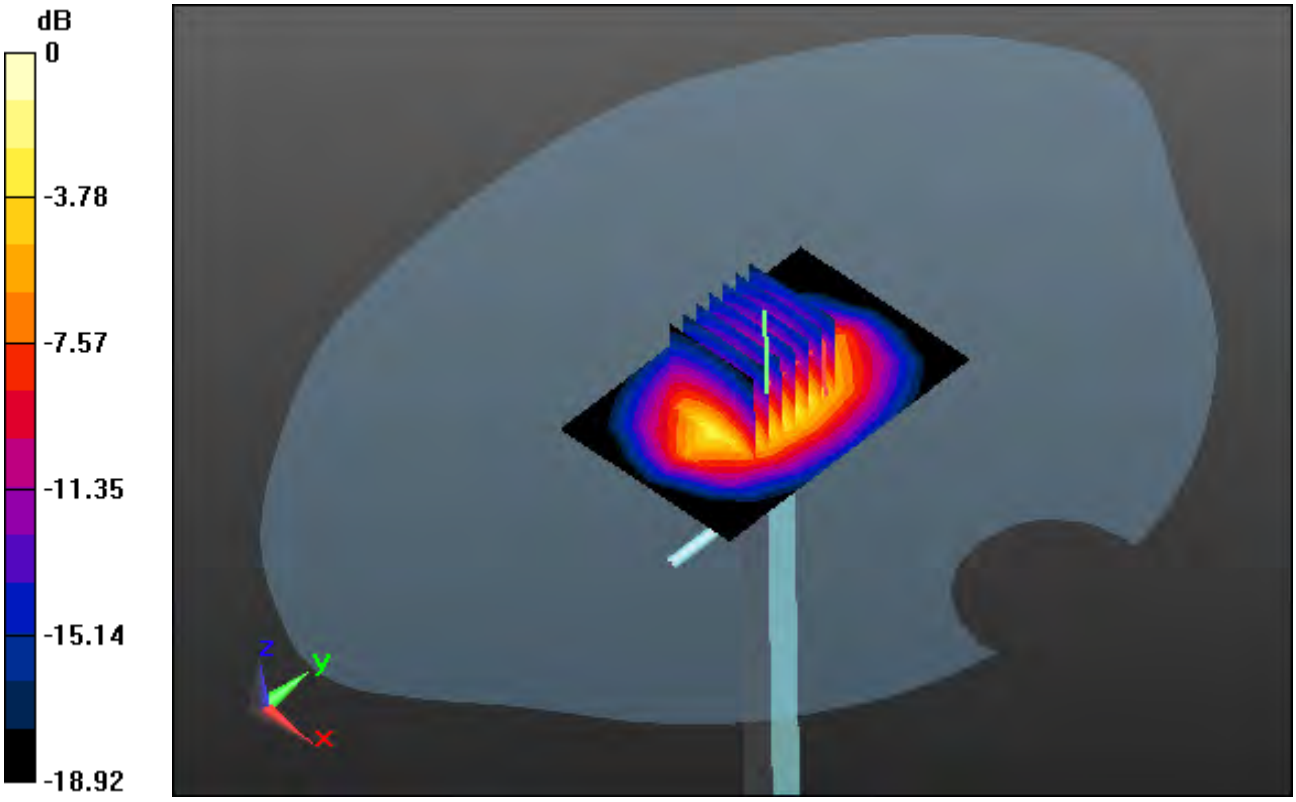
Communication System: UID 0, CW (0); Frequency: 1800 MHz;Duty Cycle: 1:1
Medium parameters used: f = 1800 MHz; σ = 1.402 S/m; ε_r = 40.729; ρ = 1000 kg/m^3
Phantom section: Flat Section

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: 2019-03-12; Ambient Temp: 20.2; Tissue Temp: 21.0

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) = 7.46 W/kg
SAR(1 g) = 3.73 W/kg; SAR(10 g) = 1.97 W/kg



0 dB = 6.12 W/kg

DT&C Co., Ltd.

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

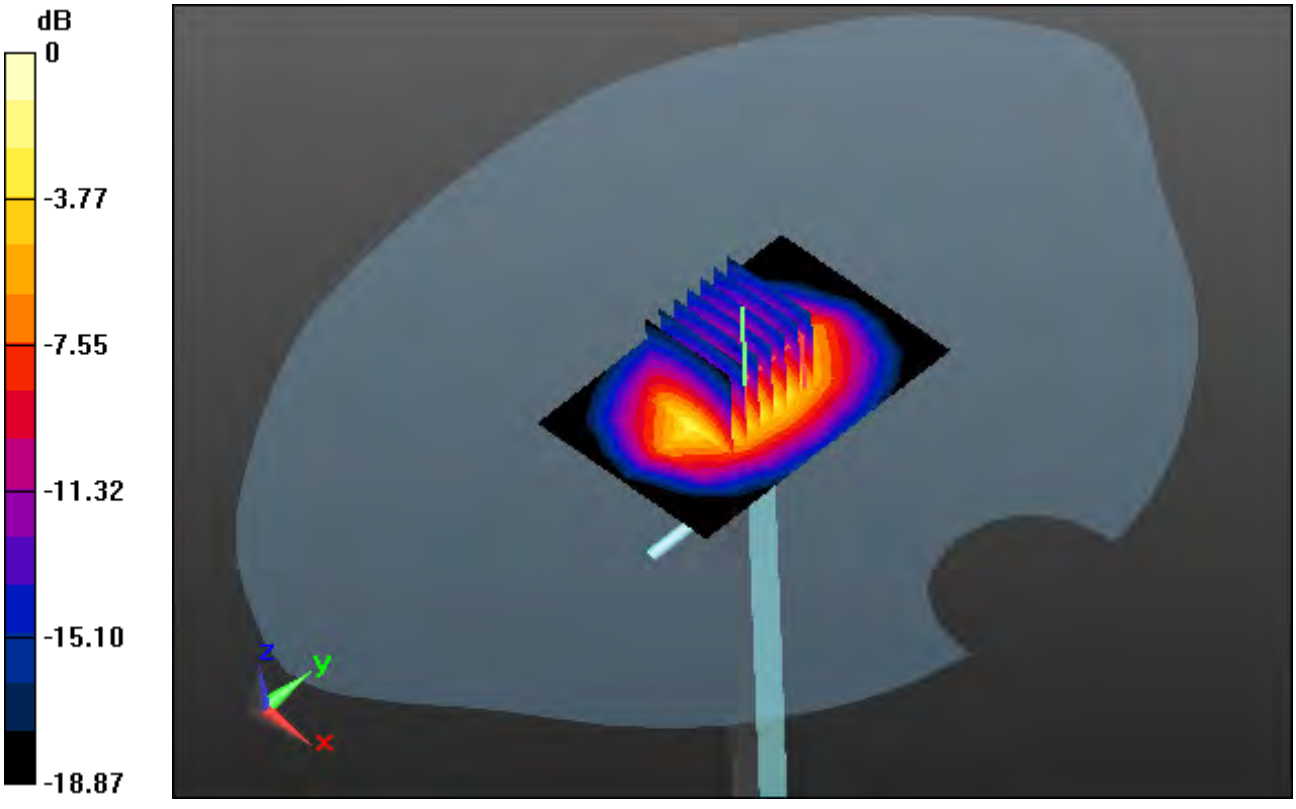
Communication System: UID 0, CW (0); Frequency: 1800 MHz;Duty Cycle: 1:1
Medium parameters used: f = 1800 MHz; σ = 1.535 S/m; ε_r = 54.401; ρ = 1000 kg/m^3
Phantom section: Flat Section

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: 2019-03-12; Ambient Temp: 20.2; 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) = 8.11 W/kg
SAR(1 g) = 4.06 W/kg; SAR(10 g) = 2.17 W/kg



0 dB = 6.81 W/kg

DT&C Co., Ltd.

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

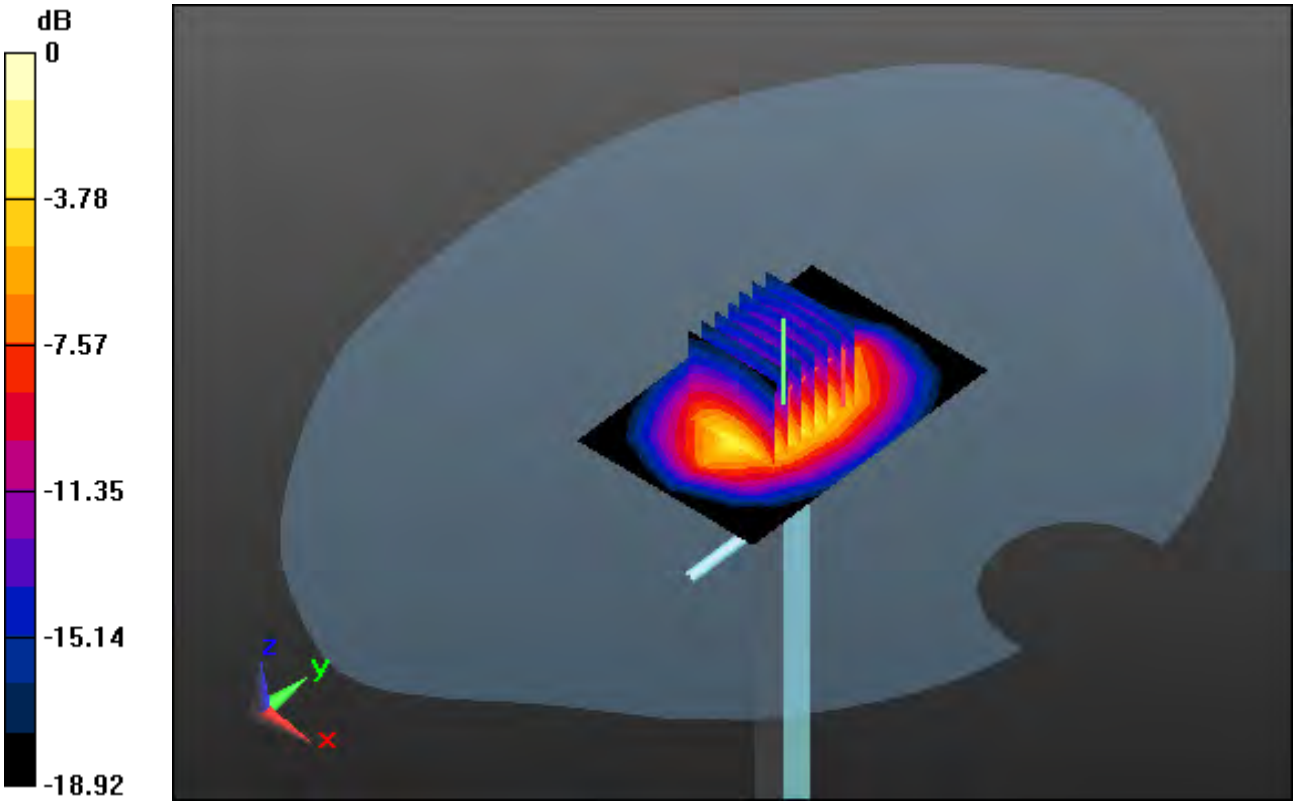
Communication System: UID 0, CW (0); Frequency: 1800 MHz;Duty Cycle: 1:1
Medium parameters used: f = 1800 MHz; σ = 1.376 S/m; ε_r = 40.694; ρ = 1000 kg/m^3
Phantom section: Flat Section

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: 2019-03-02; Ambient Temp: 20.4; Tissue Temp: 21.1

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) = 7.42 W/kg
SAR(1 g) = 4.06 W/kg; SAR(10 g) = 2.14 W/kg



0 dB = 6.57 W/kg

DT&C Co., Ltd.

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

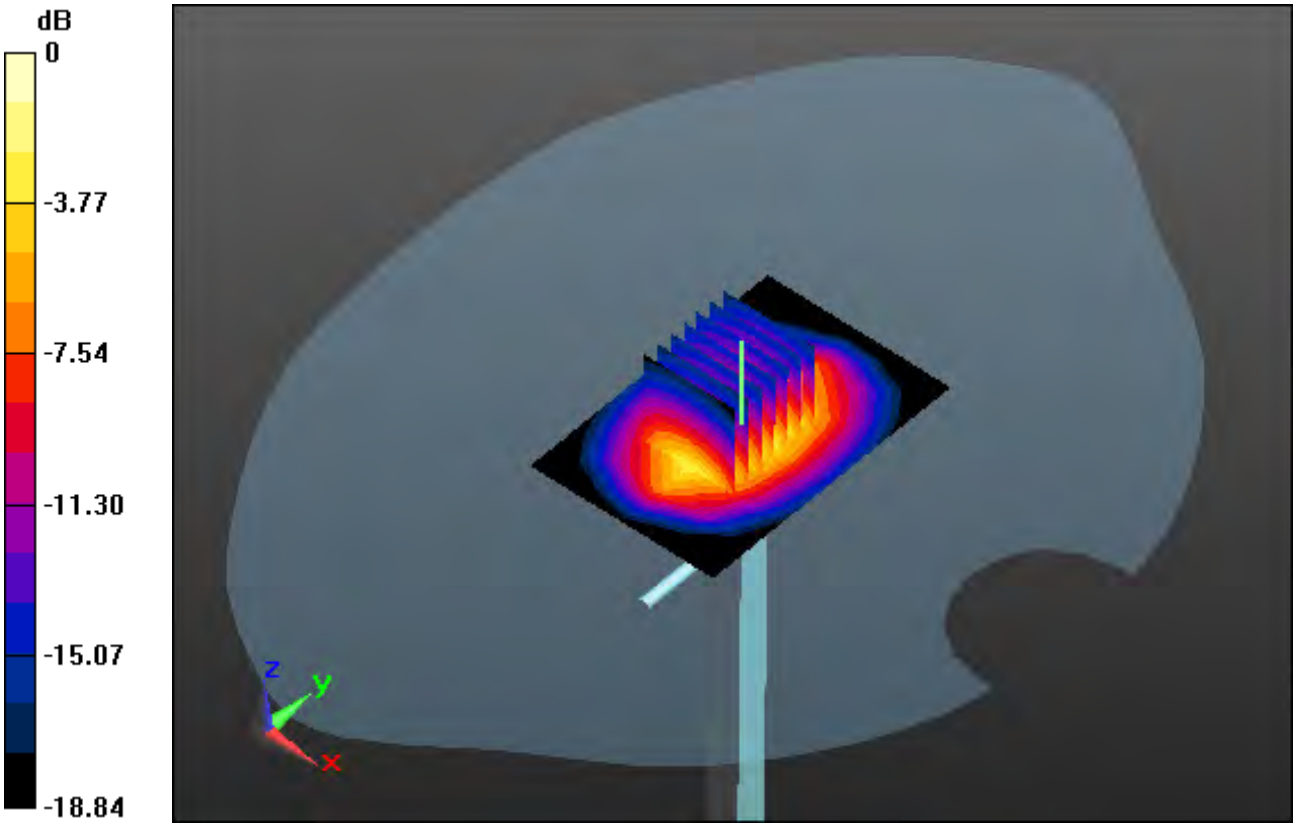
Communication System: UID 0, CW (0); Frequency: 1800 MHz;Duty Cycle: 1:1
Medium parameters used: f = 1800 MHz; σ = 1.527 S/m; ε_r = 55.279; ρ = 1000 kg/m^3
Phantom section: Flat Section

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: 2019-03-02; Ambient Temp: 20.4; Tissue Temp: 21.3

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 = -0.03 dB
Peak SAR (extrapolated) = 7.37 W/kg
SAR(1 g) = 3.89 W/kg; SAR(10 g) = 1.99 W/kg



0 dB = 6.19 W/kg

DT&C Co., Ltd.

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

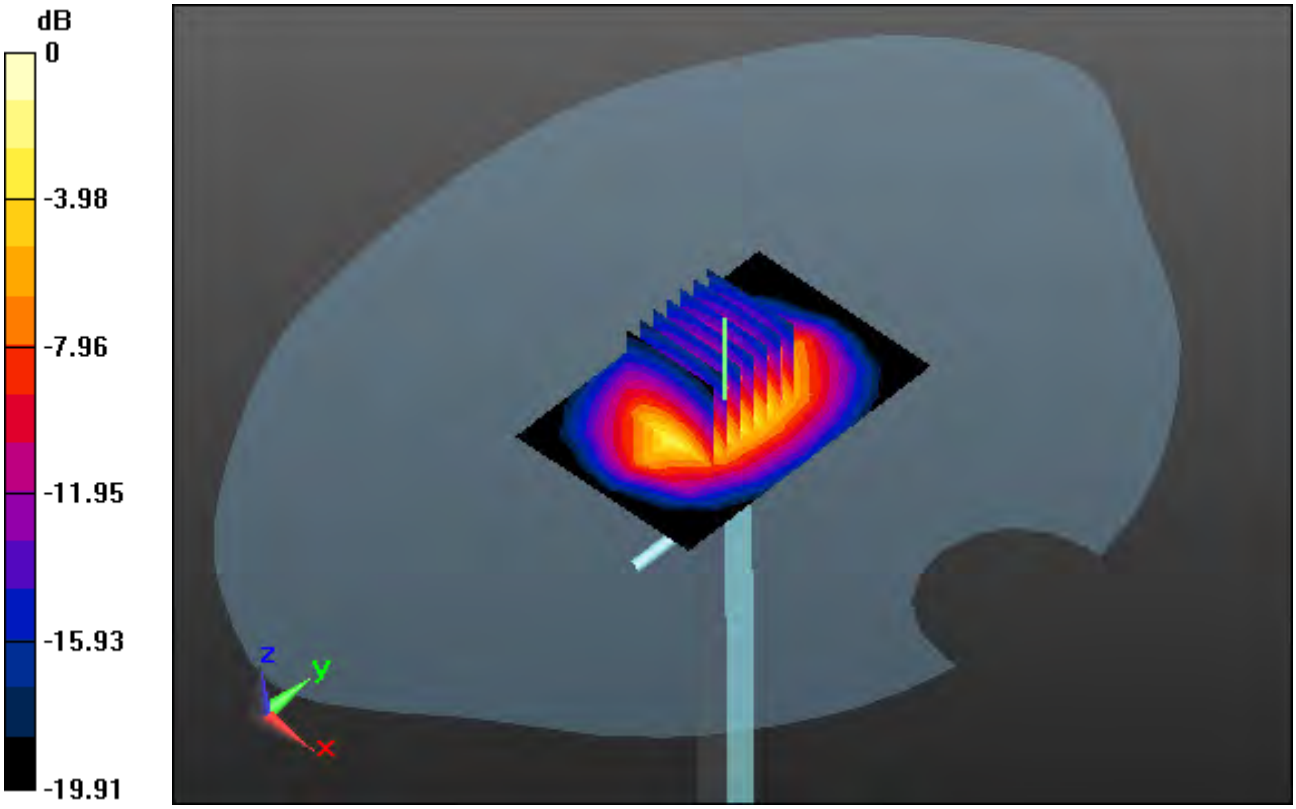
Communication System: UID 0, CW (0); Frequency: 1900 MHz;Duty Cycle: 1:1
Medium parameters used: f = 1900 MHz; σ = 1.399 S/m; ε_r = 39.783; ρ = 1000 kg/m^3
Phantom section: Flat Section

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: 2019-03-08; Ambient Temp: 20.6; Tissue Temp: 21.3

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) = 8.32 W/kg
SAR(1 g) = 4.33 W/kg; SAR(10 g) = 2.3 W/kg



0 dB = 6.3 W/kg

DT&C Co., Ltd.

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

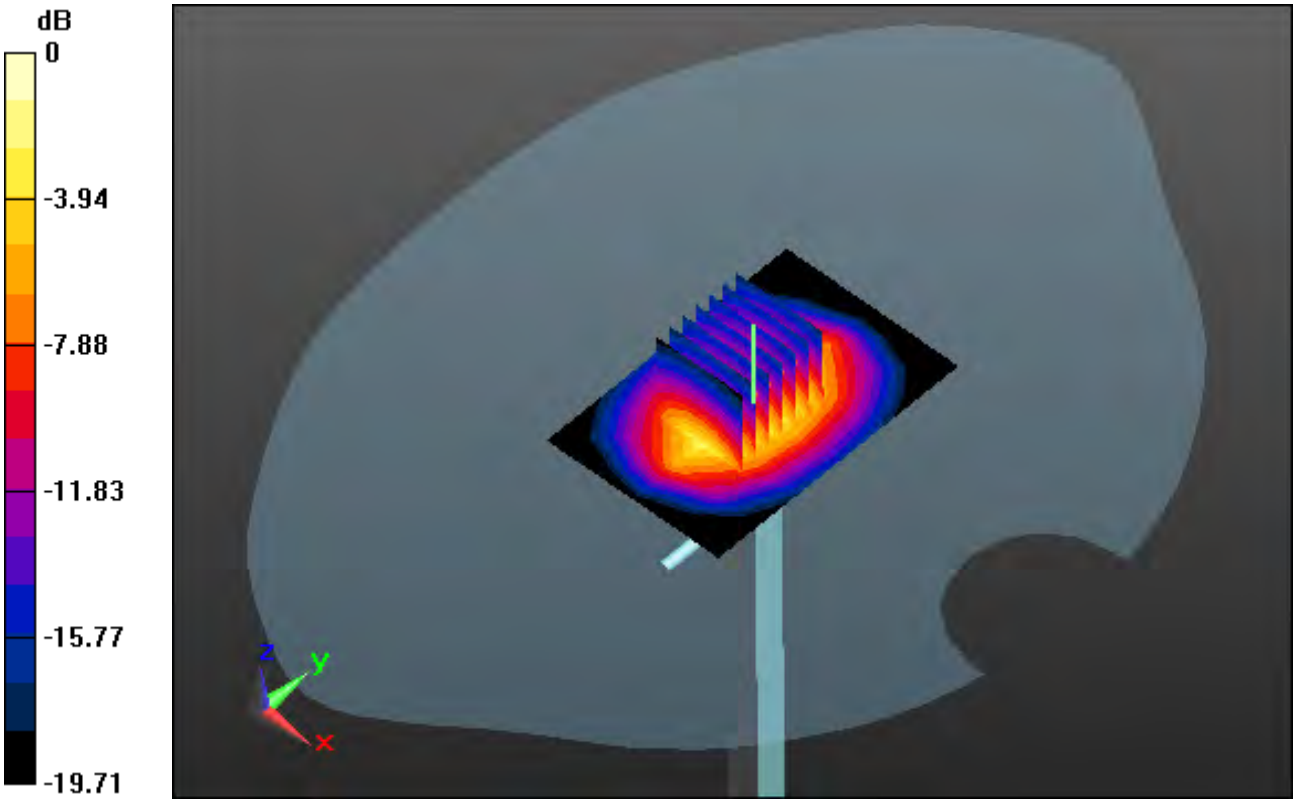
Communication System: UID 0, CW (0); Frequency: 1900 MHz;Duty Cycle: 1:1
Medium parameters used: f = 1900 MHz; σ = 1.524 S/m; ε_r = 55.032; ρ = 1000 kg/m^3
Phantom section: Flat Section

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: 2019-03-08; Ambient Temp: 20.6; 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 = -0.04 dB
Peak SAR (extrapolated) = 7.62 W/kg
SAR(1 g) = 4.13 W/kg; SAR(10 g) = 2.21 W/kg



0 dB = 6.4 W/kg

DT&C Co., Ltd.

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

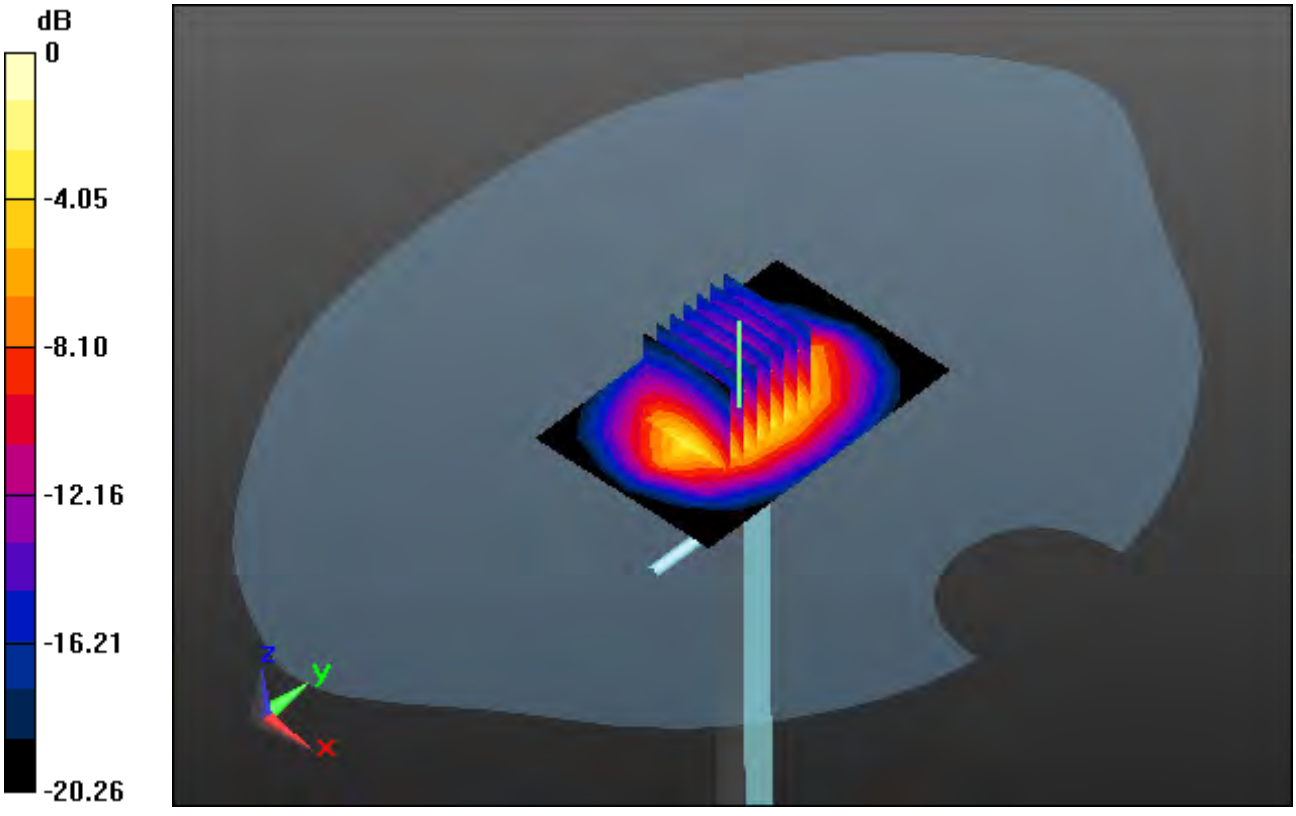
Communication System: UID 0, CW (0); Frequency: 1900 MHz;Duty Cycle: 1:1
Medium parameters used: f = 1900 MHz; σ = 1.401 S/m; ε_r = 39.505; ρ = 1000 kg/m^3
Phantom section: Flat Section

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: 2019-03-11; Ambient Temp: 20.4; Tissue Temp: 21.2

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) = 7.74 W/kg
SAR(1 g) = 3.91 W/kg; SAR(10 g) = 2.09 W/kg



0 dB = 6.7 W/kg

DT&C Co., Ltd.

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

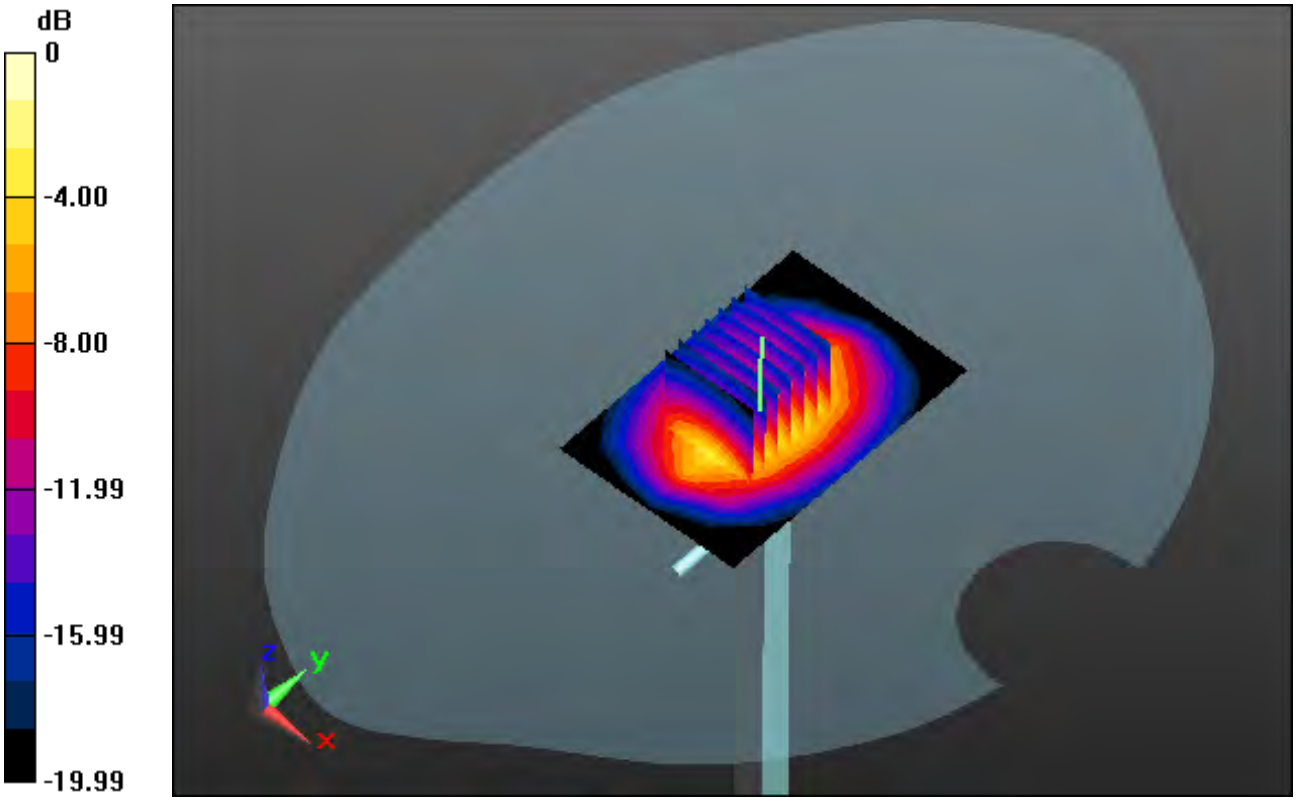
Communication System: UID 0, CW (0); Frequency: 1900 MHz;Duty Cycle: 1:1
Medium parameters used: f = 1900 MHz; σ = 1.528 S/m; ε_r = 55.153; ρ = 1000 kg/m^3
Phantom section: Flat Section

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: 2019-03-11; Ambient Temp: 20.4; Tissue Temp: 21.0

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) = 7.98 W/kg
SAR(1 g) = 3.78 W/kg; SAR(10 g) = 2.06 W/kg



0 dB = 6.54 W/kg

DT&C Co., Ltd.

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

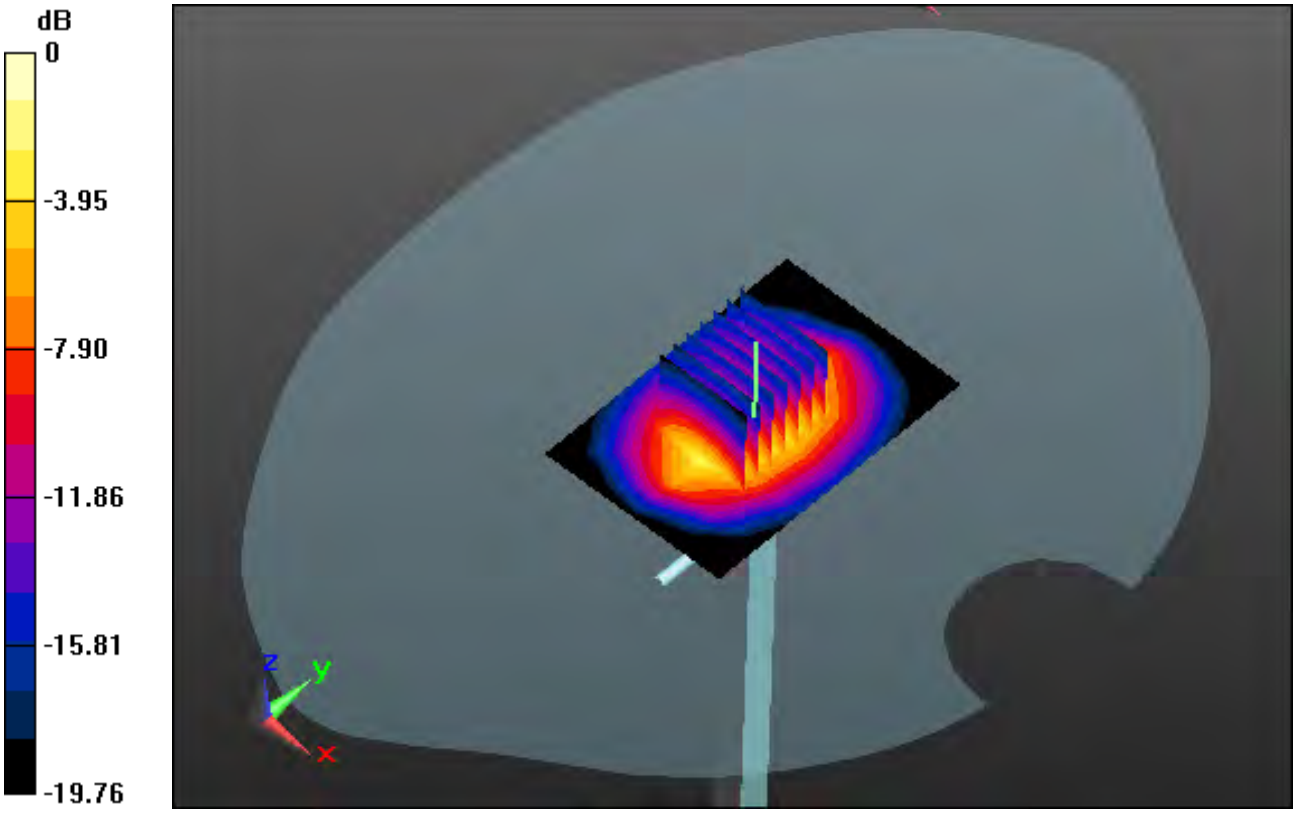
Communication System: UID 0, CW (0); Frequency: 1900 MHz;Duty Cycle: 1:1
Medium parameters used: f = 1900 MHz; σ = 1.405 S/m; ε_r = 39.276; ρ = 1000 kg/m^3
Phantom section: Flat Section

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: 2019-03-01; Ambient Temp: 20.2; 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 = -0.04 dB
Peak SAR (extrapolated) = 7.19 W/kg
SAR(1 g) = 4.15 W/kg; SAR(10 g) = 2.11 W/kg



0 dB = 6.0 W/kg

DT&C Co., Ltd.

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

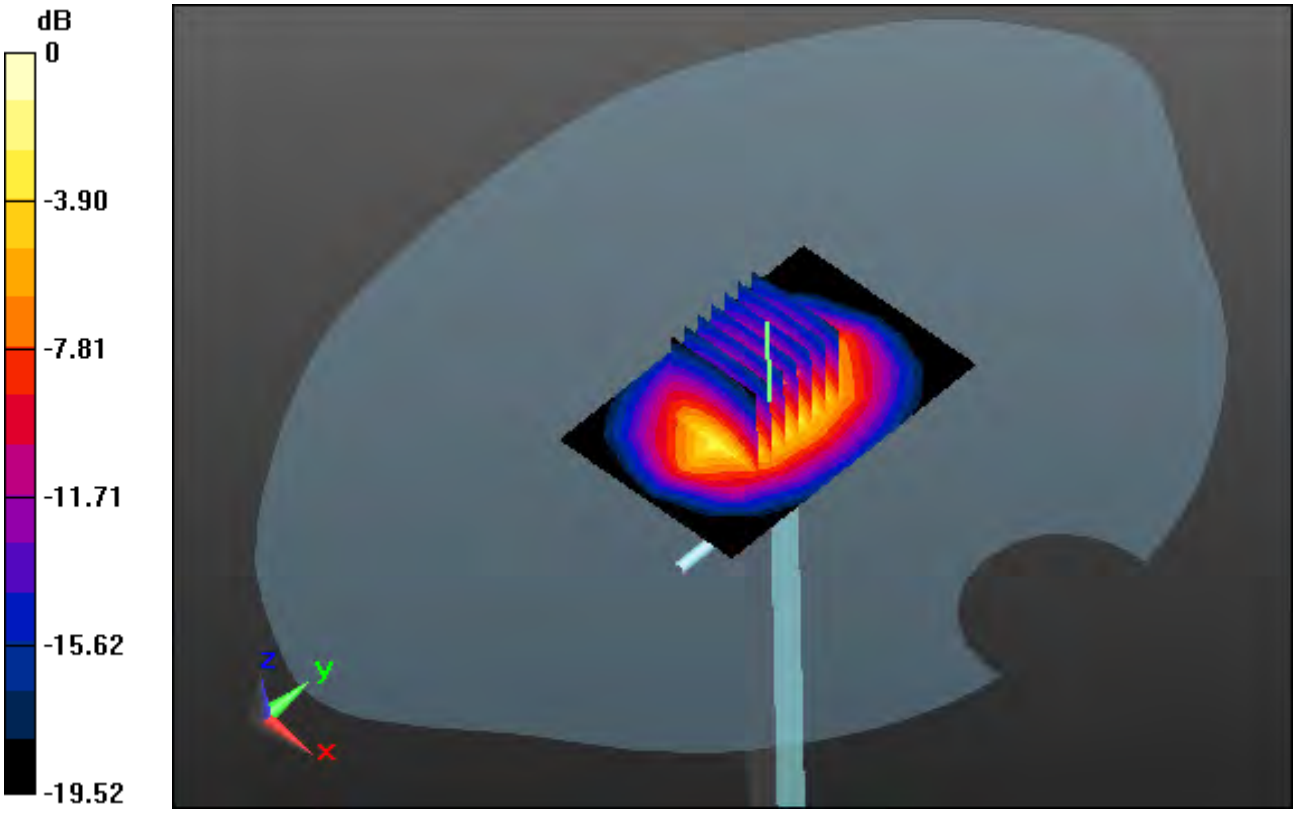
Communication System: UID 0, CW (0); Frequency: 1900 MHz;Duty Cycle: 1:1
Medium parameters used: f = 1900 MHz; σ = 1.524 S/m; ε_r = 55.116; ρ = 1000 kg/m^3
Phantom section: Flat Section

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: 2019-03-01; Ambient Temp: 20.2; Tissue Temp: 20.8

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) = 7.82 W/kg
SAR(1 g) = 3.85 W/kg; SAR(10 g) = 2.01 W/kg



0 dB = 6.24 W/kg

DT&C Co., Ltd.

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

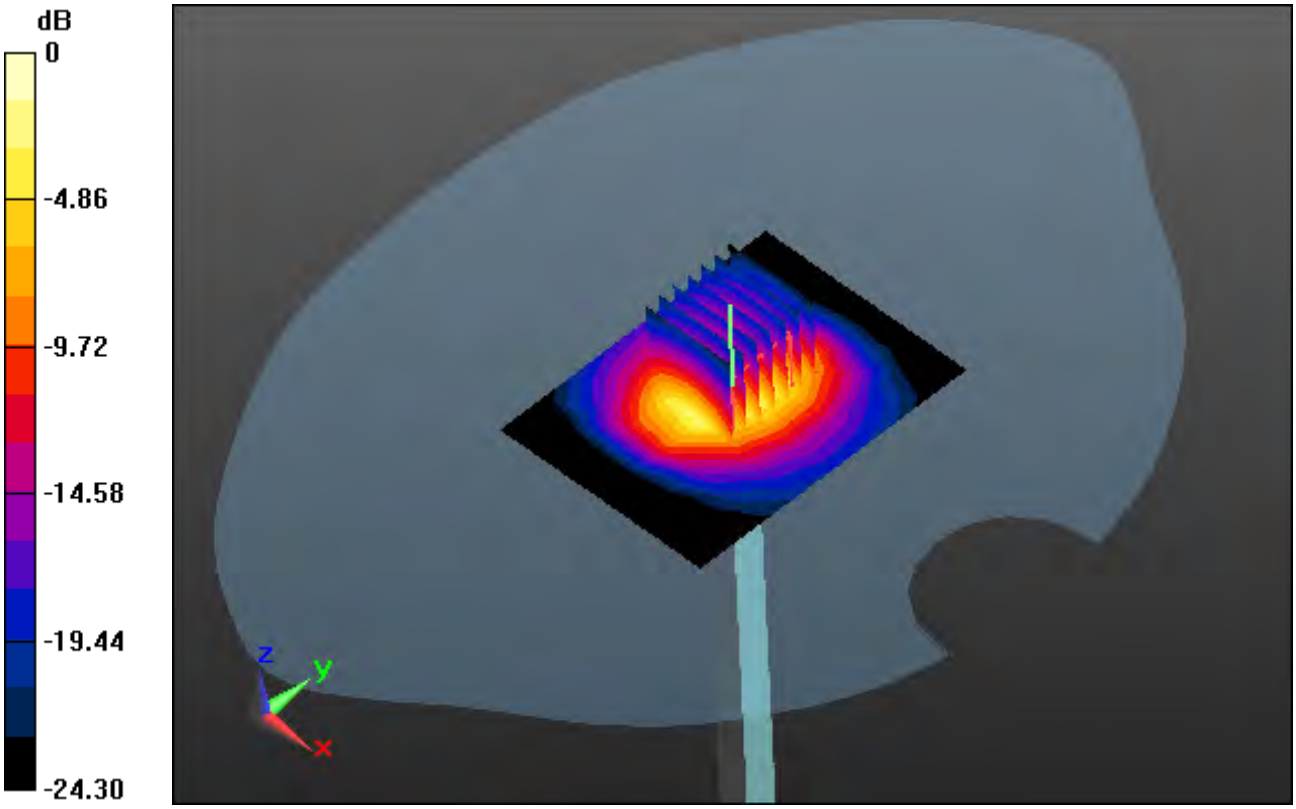
Communication System: UID 0, CW; Frequency: 2450 MHz;Duty Cycle: 1:1
Medium parameters used: f = 2450 MHz; σ = 1.815 S/m; ε_r = 39.953; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:
Probe: EX3DV4 - SN3933; ConvF(7.61, 7.61, 7.61); 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: 2019-03-14; Ambient Temp: 20.2; Tissue Temp: 21.1

2450 MHz System Head Verification (100mW)

Area Scan (7x9x1): Measurement grid: dx=12mm, dy=12mm
Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Power Drift = -0.13 dB
Peak SAR (extrapolated) = 10.8 W/kg
SAR(1 g) = 5.06 W/kg; SAR(10 g) = 2.37 W/kg



0 dB = 8.4 W/kg

DT&C Co., Ltd.

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

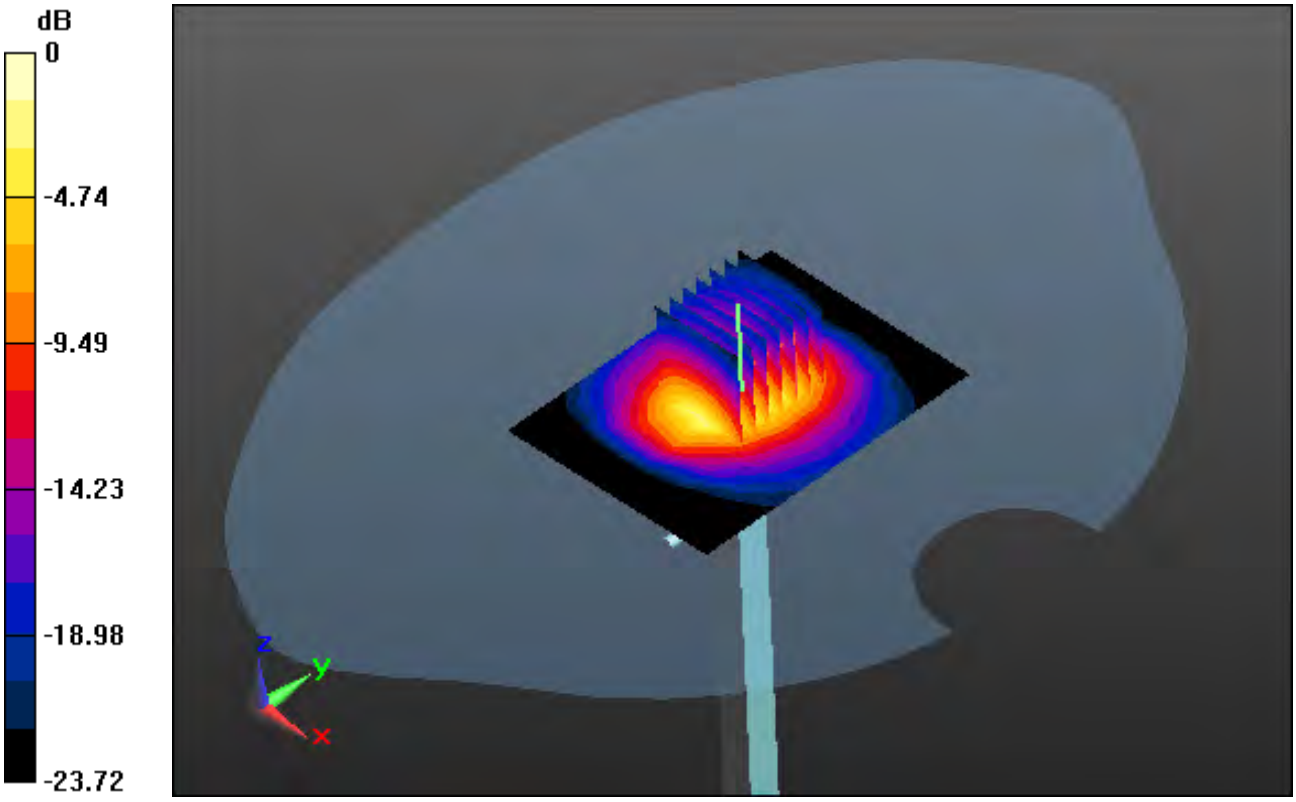
Communication System: UID 0, CW; Frequency: 2450 MHz;Duty Cycle: 1:1
Medium parameters used: f = 2450 MHz; σ = 1.977 S/m; ε_r = 53.559; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:
Probe: EX3DV4 - SN3933; ConvF(7.75, 7.75, 7.75); 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: 2019-03-14; Ambient Temp: 20.2; Tissue Temp: 21.2

2450 MHz System Body Verification (100mW)

Area Scan (7x9x1): Measurement grid: dx=12mm, dy=12mm
Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Power Drift = -0.10 dB
Peak SAR (extrapolated) = 10.9 W/kg
SAR(1 g) = 5.1 W/kg; SAR(10 g) = 2.36 W/kg



0 dB = 8.15 W/kg

DT&C Co., Ltd.

DUT: Dipole 2600 MHz; Type: D2600V2; Serial: D2600V2 - SN:1016

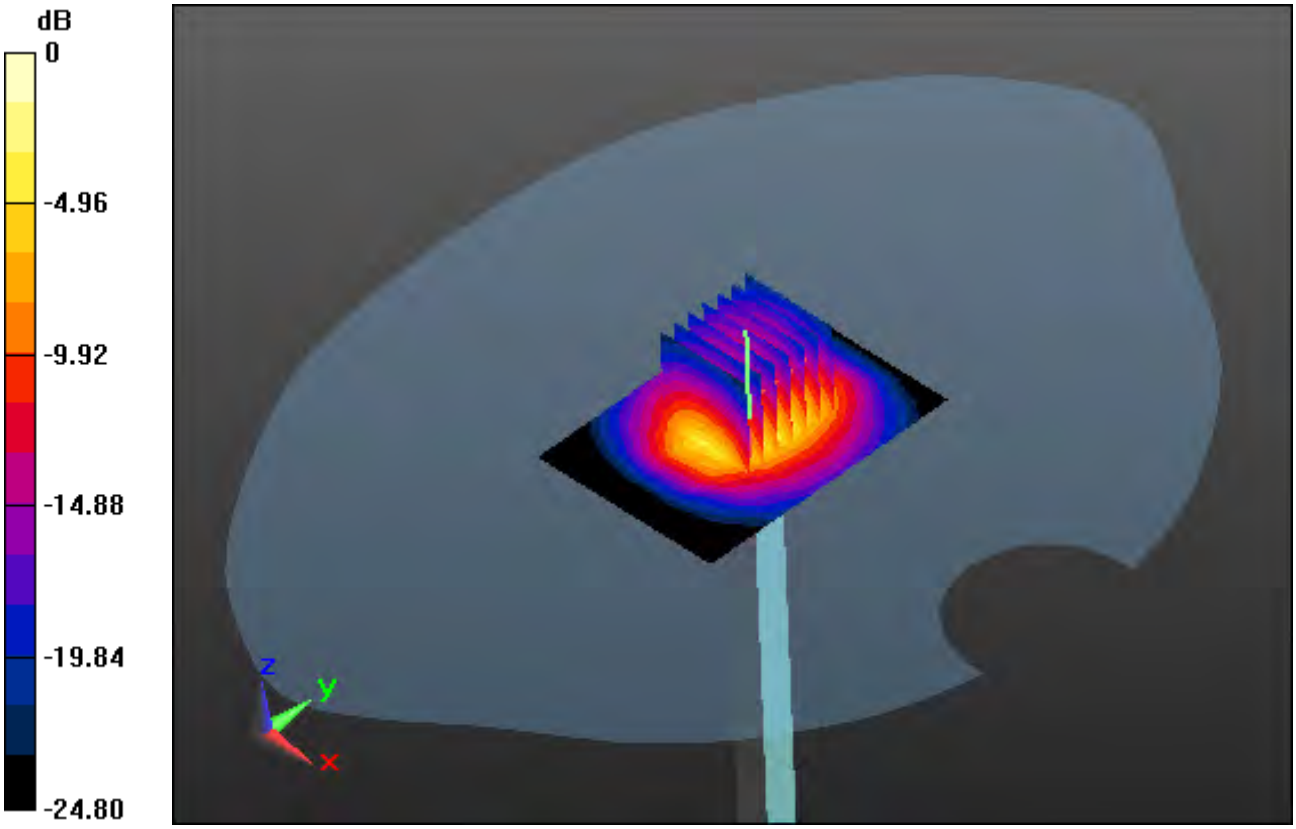
Communication System: UID 0, CW (0); Frequency: 2600 MHz;Duty Cycle: 1:1
Medium parameters used: f = 2600 MHz; σ = 1.965 S/m; ε_r = 38.438; ρ = 1000 kg/m^3
Phantom section: Flat Section

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: 2019-03-05; Ambient Temp: 20.2; Tissue Temp: 20.8

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) = 5.89 W/kg; SAR(10 g) = 2.64 W/kg



0 dB = 9.15 W/kg

DT&C Co., Ltd.

DUT: Dipole 2600 MHz; Type: D2600V2; Serial: D2600V2 - SN:1016

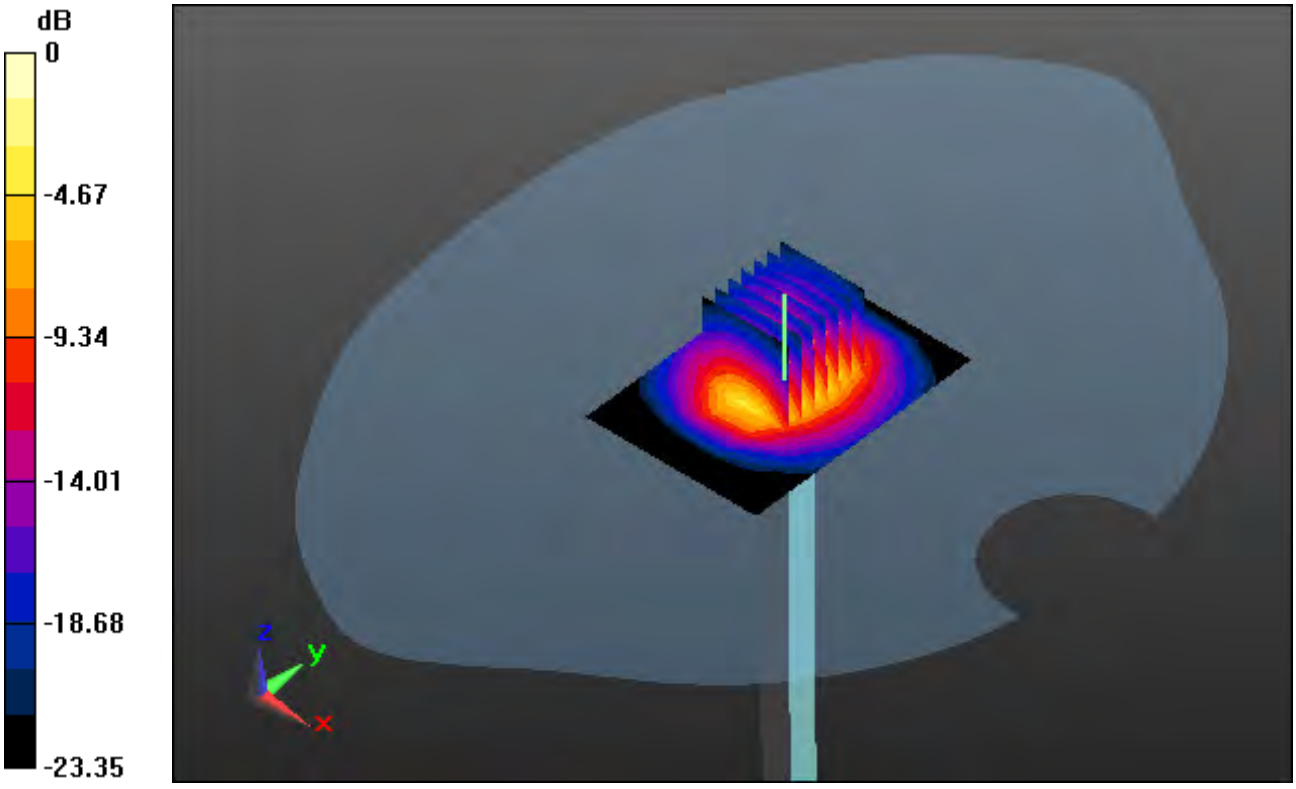
Communication System: UID 0, CW (0); Frequency: 2600 MHz;Duty Cycle: 1:1
Medium parameters used: f = 2600 MHz; σ = 2.086 S/m; ε_r = 51.127; ρ = 1000 kg/m^3
Phantom section: Flat Section

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: 2019-03-05; Ambient Temp: 20.2; Tissue Temp: 21.1

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 = 0.05 dB
Peak SAR (extrapolated) = 11.3 W/kg
SAR(1 g) = 5.39 W/kg; SAR(10 g) = 2.41 W/kg



0 dB = 8.37 W/kg

DT&C Co., Ltd.

DUT: Dipole 5000 MHz; Type: D5GHzV2; Serial: D5GHzV2 - SN:1103

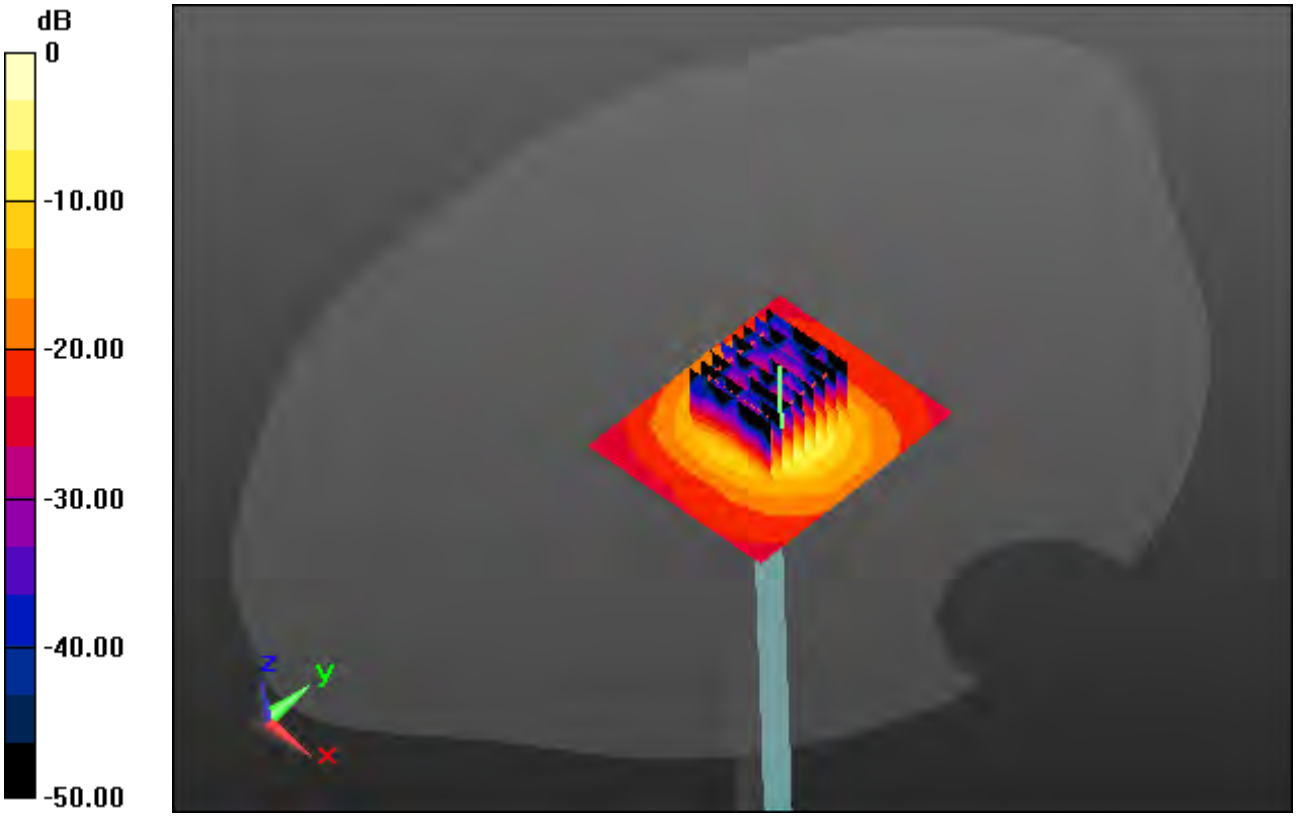
Communication System: UID 0, CW (0); Frequency: 5200 MHz;Duty Cycle: 1:1
Medium parameters used: f = 5200 MHz; σ = 5.463 S/m; ε_r = 49.103; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:
Probe: EX3DV4 - SN3930; ConvF(4.61, 4.61, 4.61); Calibrated: 7/26/2018; Electronics: DAE4 Sn1335
Sensor-Surface: 1.4mm (Mechanical Surface Detection)
Phantom: Twin-SAM V5.0 ; Type: QD 000 P40 CD; Serial: 1679
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2019-03-25; Ambient Temp: 20.4; Tissue Temp: 20.6

5200 MHz System Body Verification (100mW)

Area Scan (7x8x1): 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 = -0.08 dB
Peak SAR (extrapolated) = 29.6 W/kg
SAR(1 g) = 7.35 W/kg; SAR(10 g) = 2.05 W/kg



0 dB = 17.7 W/kg

DT&C Co., Ltd.

DUT: Dipole 5000 MHz; Type: D5GHzV2; Serial: D5GHzV2 - SN:1103

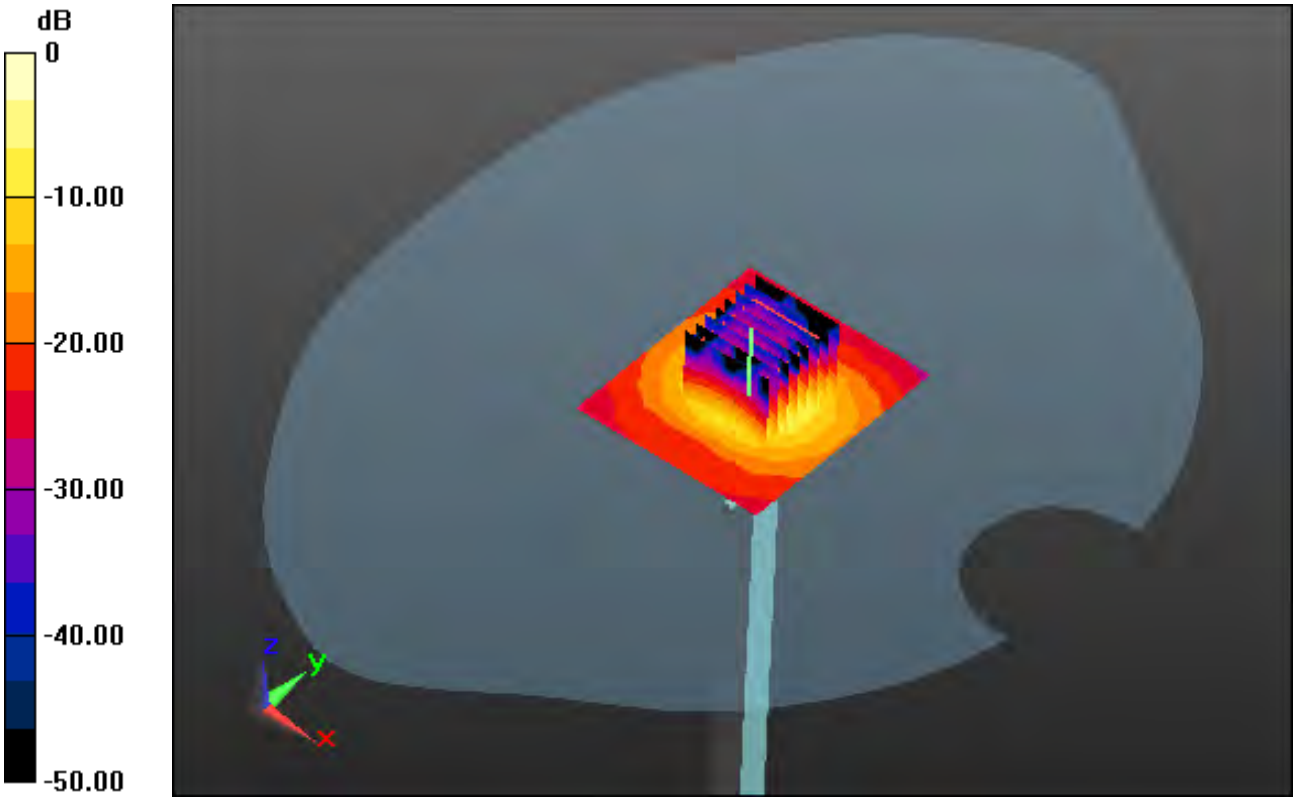
Communication System: UID 0, CW (0); Frequency: 5300 MHz;Duty Cycle: 1:1
Medium parameters used: f = 5300 MHz; σ = 4.936 S/m; ε_r = 35.052; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:
Probe: EX3DV4 - SN3916; ConvF(5.04, 5.04, 5.04); Calibrated: 4/25/2018; Electronics: DAE4 Sn1391
Sensor-Surface: 1.4mm (Mechanical Surface Detection)
Phantom: SAM with CRP v5.0; Type: QD000P40CD; Serial: TP:1837
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2019-03-26; Ambient Temp: 20.6; Tissue Temp: 20.9

5300 MHz System Head Verification (100mW)

Area Scan (7x8x1): 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) = 31.3 W/kg
SAR(1 g) = 7.84 W/kg; SAR(10 g) = 2.25 W/kg



0 dB = 18.7 W/kg

DT&C Co., Ltd.

DUT: Dipole 5000 MHz; Type: D5GHzV2; Serial: D5GHzV2 - SN:1103

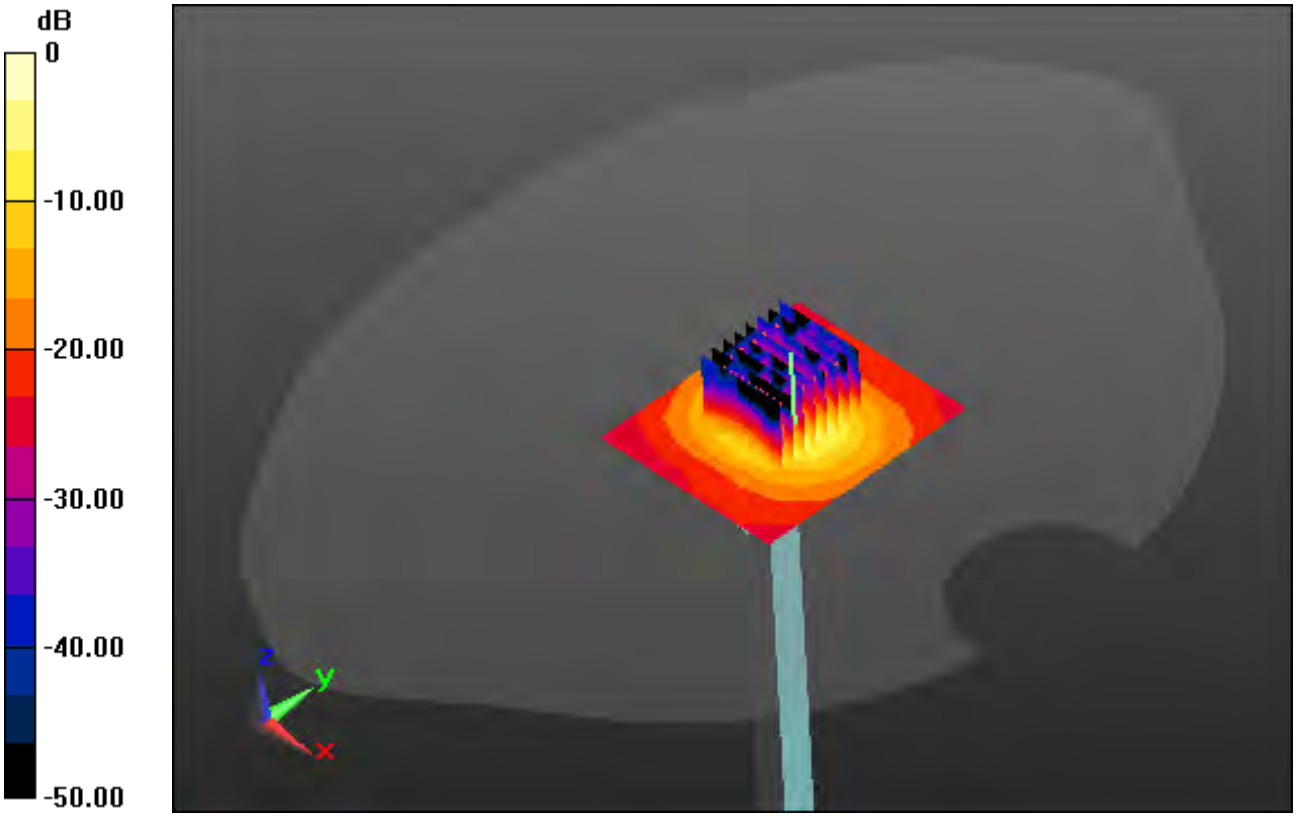
Communication System: UID 0, CW (0); Frequency: 5300 MHz;Duty Cycle: 1:1
Medium parameters used: f = 5300 MHz; σ = 5.294 S/m; ε_r = 48.471; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:
Probe: EX3DV4 - SN3930; ConvF(4.47, 4.47, 4.47); Calibrated: 7/26/2018; Electronics: DAE4 Sn1335
Sensor-Surface: 1.4mm (Mechanical Surface Detection)
Phantom: Twin-SAM V5.0 ; Type: QD 000 P40 CD; Serial: 1679
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2019-03-26; Ambient Temp: 20.6; Tissue Temp: 20.8

5300 MHz System Body Verification (100mW)

Area Scan (7x8x1): 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 = -0.10 dB
Peak SAR (extrapolated) = 29.9 W/kg
SAR(1 g) = 7.39 W/kg; SAR(10 g) = 2.06 W/kg



0 dB = 17.7 W/kg

DT&C Co., Ltd.

DUT: Dipole 5000 MHz; Type: D5GHzV2; Serial: D5GHzV2 - SN:1103

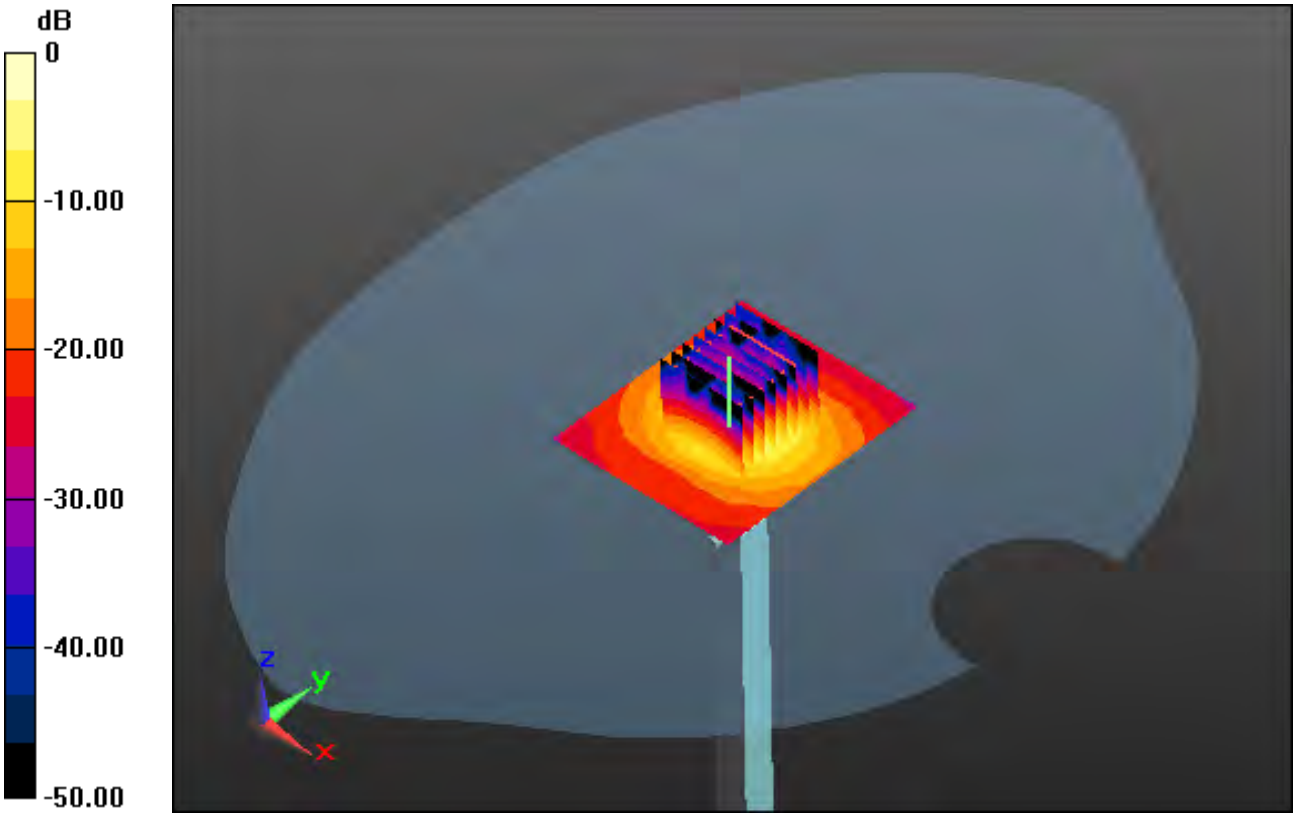
Communication System: UID 0, CW (0); Frequency: 5800 MHz;Duty Cycle: 1:1
Medium parameters used: f = 5800 MHz; σ = 5.263 S/m; ε_r = 34.704; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:
Probe: EX3DV4 - SN3916; ConvF(4.94, 4.94, 4.94); Calibrated: 4/25/2018; Electronics: DAE4 Sn1391
Sensor-Surface: 1.4mm (Mechanical Surface Detection)
Phantom: SAM with CRP v5.0; Type: QD000P40CD; Serial: TP:1837
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2019-03-27; Ambient Temp: 20.8; Tissue Temp: 21.1

5800 MHz System Head Verification (100mW)

Area Scan (7x8x1): 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) = 32.8 W/kg
SAR(1 g) = 8.23 W/kg; SAR(10 g) = 2.36 W/kg



0 dB = 19.6 W/kg

DT&C Co., Ltd.

DUT: Dipole 5000 MHz; Type: D5GHzV2; Serial: D5GHzV2 - SN:1103

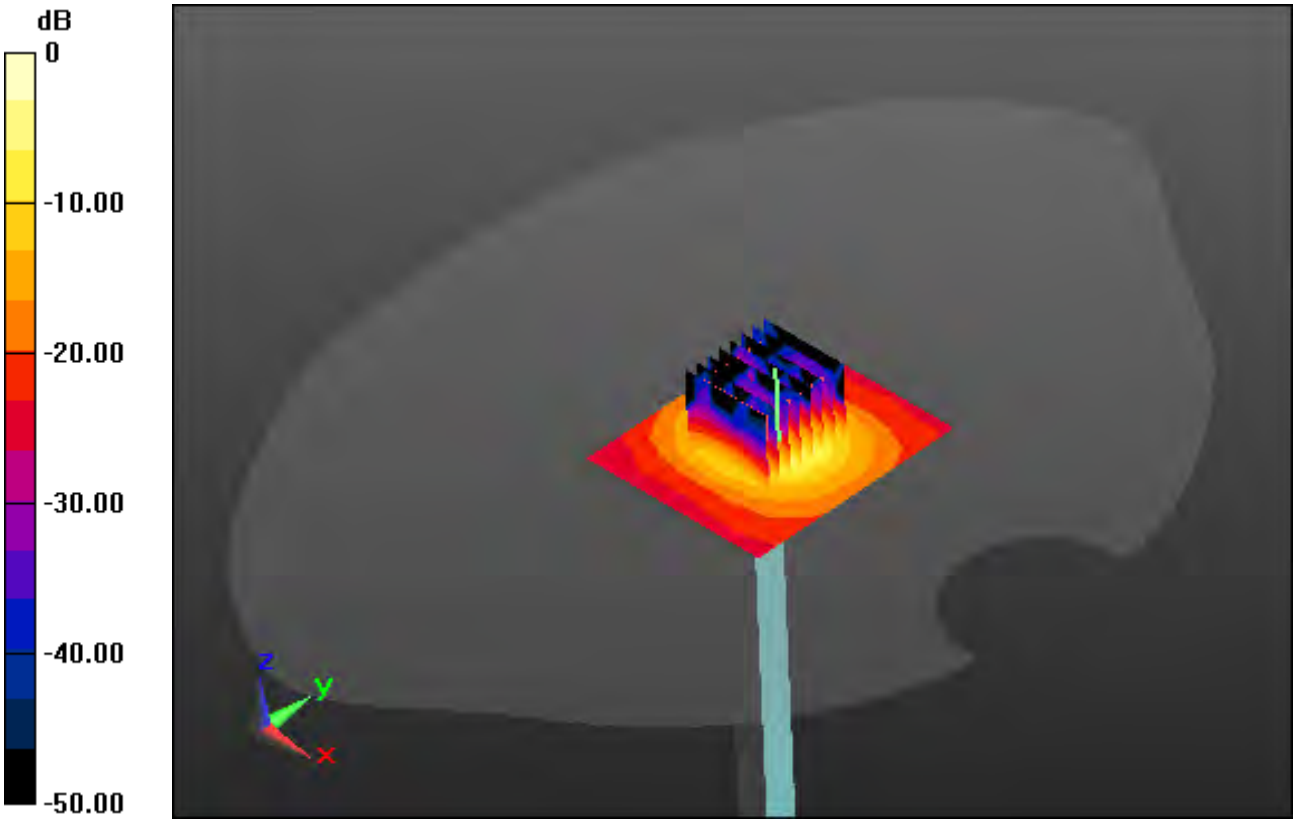
Communication System: UID 0, CW (0); Frequency: 5800 MHz;Duty Cycle: 1:1
Medium parameters used: f = 5800 MHz; σ = 5.921 S/m; ε_r = 48.452; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:
Probe: EX3DV4 - SN3930; ConvF(4.14, 4.14, 4.14); Calibrated: 7/26/2018; Electronics: DAE4 Sn1335
Sensor-Surface: 1.4mm (Mechanical Surface Detection)
Phantom: Twin-SAM V5.0 ; Type: QD 000 P40 CD; Serial: 1679
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2019-03-27; Ambient Temp: 20.8; Tissue Temp: 21.2

5800 MHz System Body Verification (100mW)

Area Scan (7x8x1): 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 = 0.03 dB
Peak SAR (extrapolated) = 31.9 W/kg
SAR(1 g) = 7.19 W/kg; SAR(10 g) = 1.99 W/kg



0 dB = 17.6 W/kg

DT&C Co., Ltd.

DUT: Dipole 5000 MHz; Type: D5GHzV2; Serial: D5GHzV2 - SN:1103

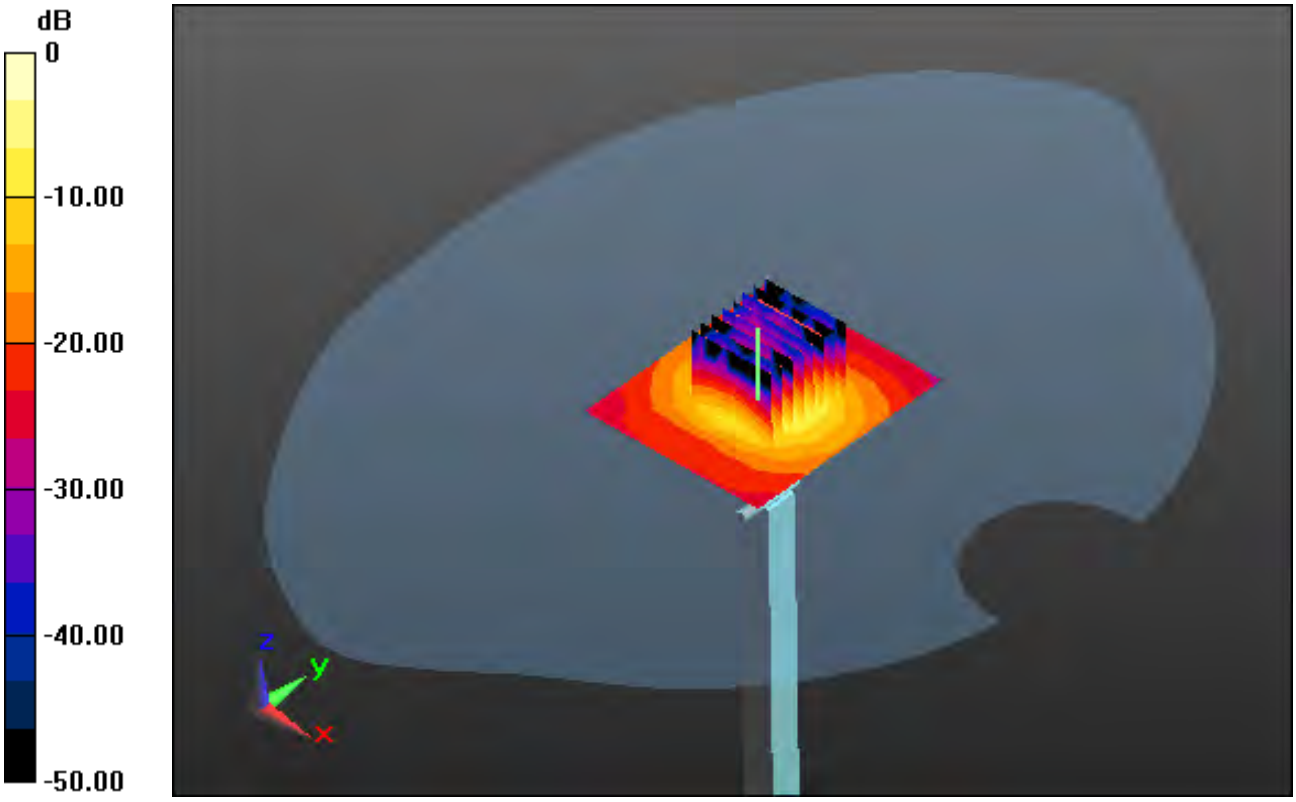
Communication System: UID 0, CW (0); Frequency: 5800 MHz;Duty Cycle: 1:1
Medium parameters used: f = 5800 MHz; σ = 5.273 S/m; ε_r = 34.701; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:
Probe: EX3DV4 - SN3916; ConvF(4.94, 4.94, 4.94); Calibrated: 4/25/2018; Electronics: DAE4 Sn1391
Sensor-Surface: 1.4mm (Mechanical Surface Detection)
Phantom: SAM with CRP v5.0; Type: QD000P40CD; Serial: TP:1837
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2019-03-28; Ambient Temp: 20.5; Tissue Temp: 20.7

5800 MHz System Head Verification (100mW)

Area Scan (7x8x1): 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 = -0.14 dB
Peak SAR (extrapolated) = 30.9 W/kg
SAR(1 g) = 7.91 W/kg; SAR(10 g) = 2.25 W/kg



0 dB = 18.5 W/kg

DT&C Co., Ltd.

DUT: Dipole 5000 MHz; Type: D5GHzV2; Serial: D5GHzV2 - SN:1103

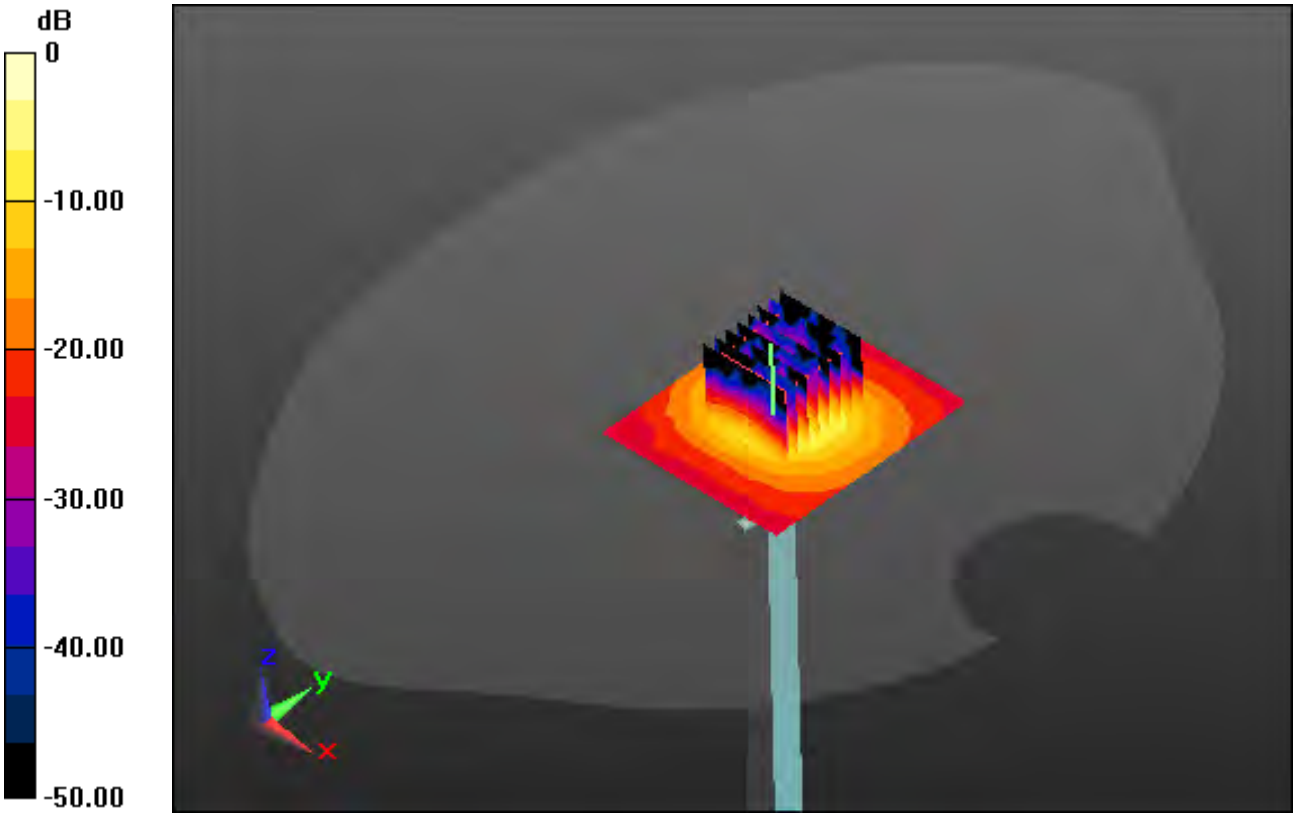
Communication System: UID 0, CW (0); Frequency: 5800 MHz;Duty Cycle: 1:1
Medium parameters used: f = 5800 MHz; σ = 5.895 S/m; ε_r = 48.208; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:
Probe: EX3DV4 - SN3930; ConvF(4.14, 4.14, 4.14); Calibrated: 7/26/2018; Electronics: DAE4 Sn1335
Sensor-Surface: 1.4mm (Mechanical Surface Detection)
Phantom: Twin-SAM V5.0 ; Type: QD 000 P40 CD; Serial: 1679
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2019-03-28; Ambient Temp: 20.9; Tissue Temp: 21.0

5800 MHz System Body Verification (100mW)

Area Scan (7x8x1): 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) = 33.3 W/kg
SAR(1 g) = 7.48 W/kg; SAR(10 g) = 2.07 W/kg



0 dB = 18.3 W/kg

DT&C Co., Ltd.

DUT: LM-X525BAW; Type: Bar

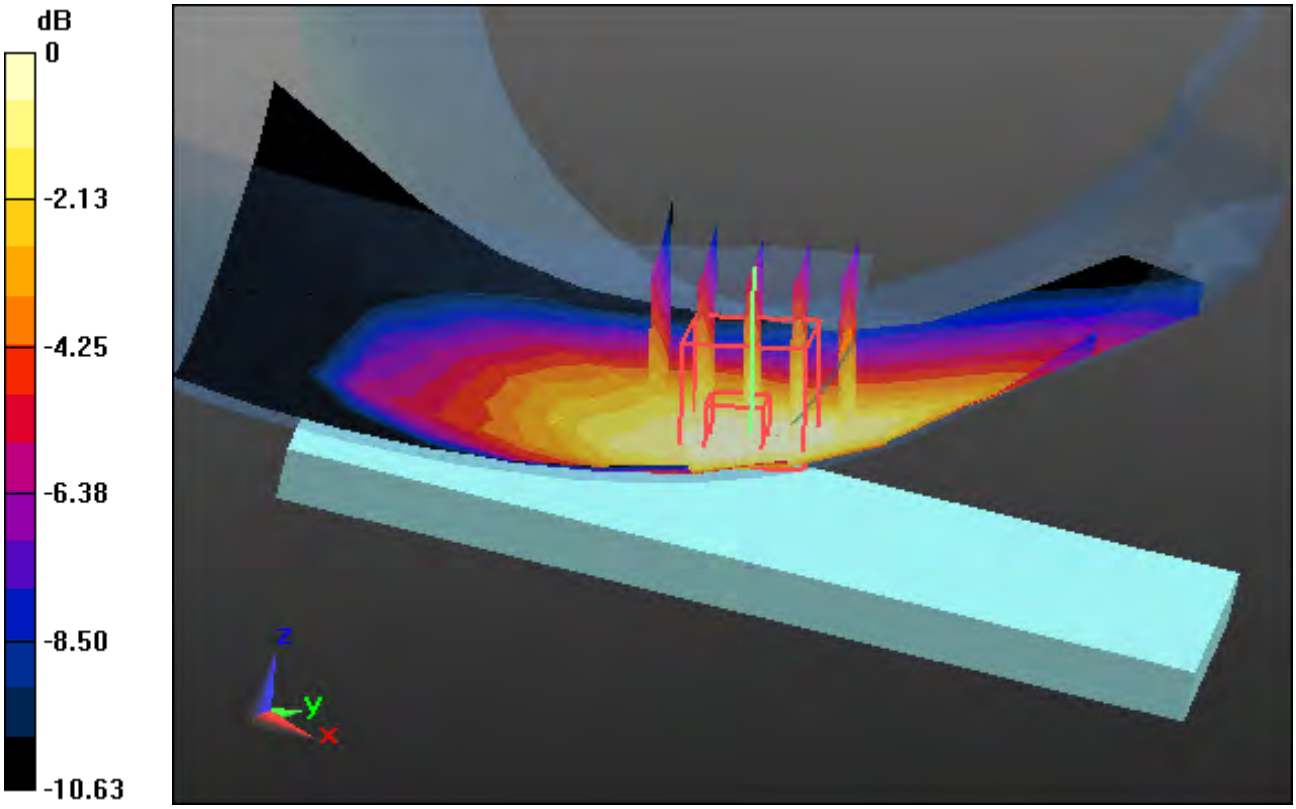
Communication System: UID 0, GSM 850 (0); Frequency: 836.6 MHz;Duty Cycle: 1:8.3
Medium parameters used: f = 836.6 MHz; σ = 0.895 S/m; ε_r = 41.486; ρ = 1000 kg/m^3
Phantom section: Right Section

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)

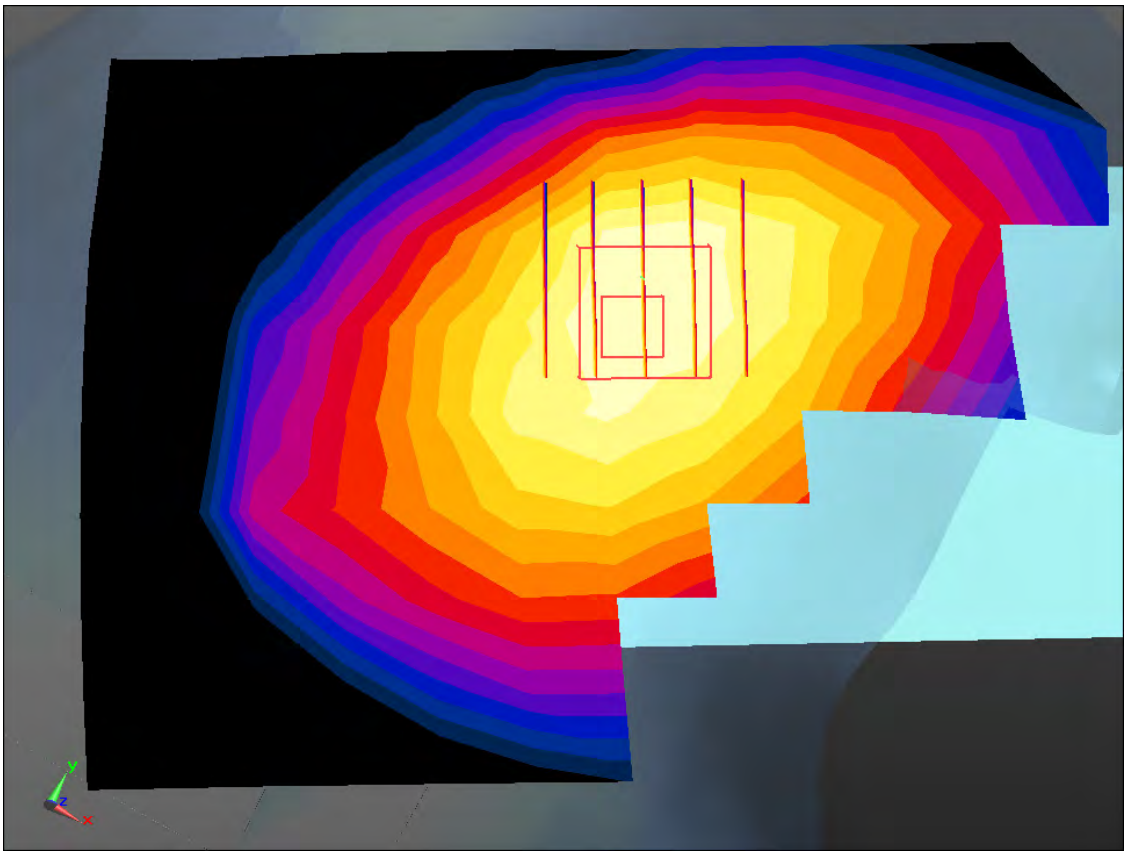
Test Date: 2019-03-07; Ambient Temp: 20.5; Tissue Temp: 21.1

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 = -0.07 dB
Peak SAR (extrapolated) = 0.345 W/kg
SAR(1 g) = 0.277 W/kg; SAR(10 g) = 0.213 W/kg



0 dB = 0.312 W/kg



Enlarged Plot for A1

DT&C Co., Ltd.

DUT: LM-X525BAW; Type: Bar

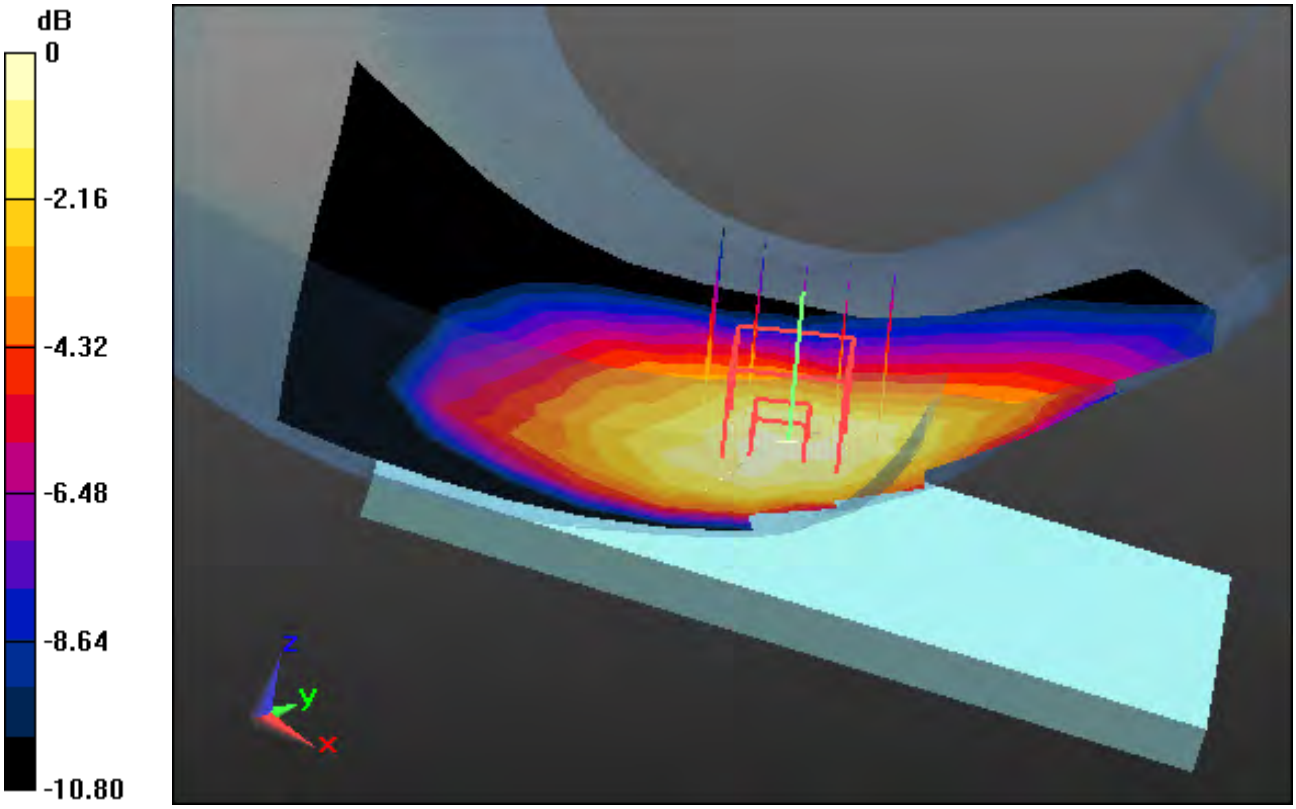
Communication System: UID 0, GSM 850_12 (0); Frequency: 836.6 MHz;Duty Cycle: 1:2.075
Medium parameters used: f = 836.6 MHz; σ = 0.895 S/m; ε_r = 41.486; ρ = 1000 kg/m^3
Phantom section: Right Section

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)

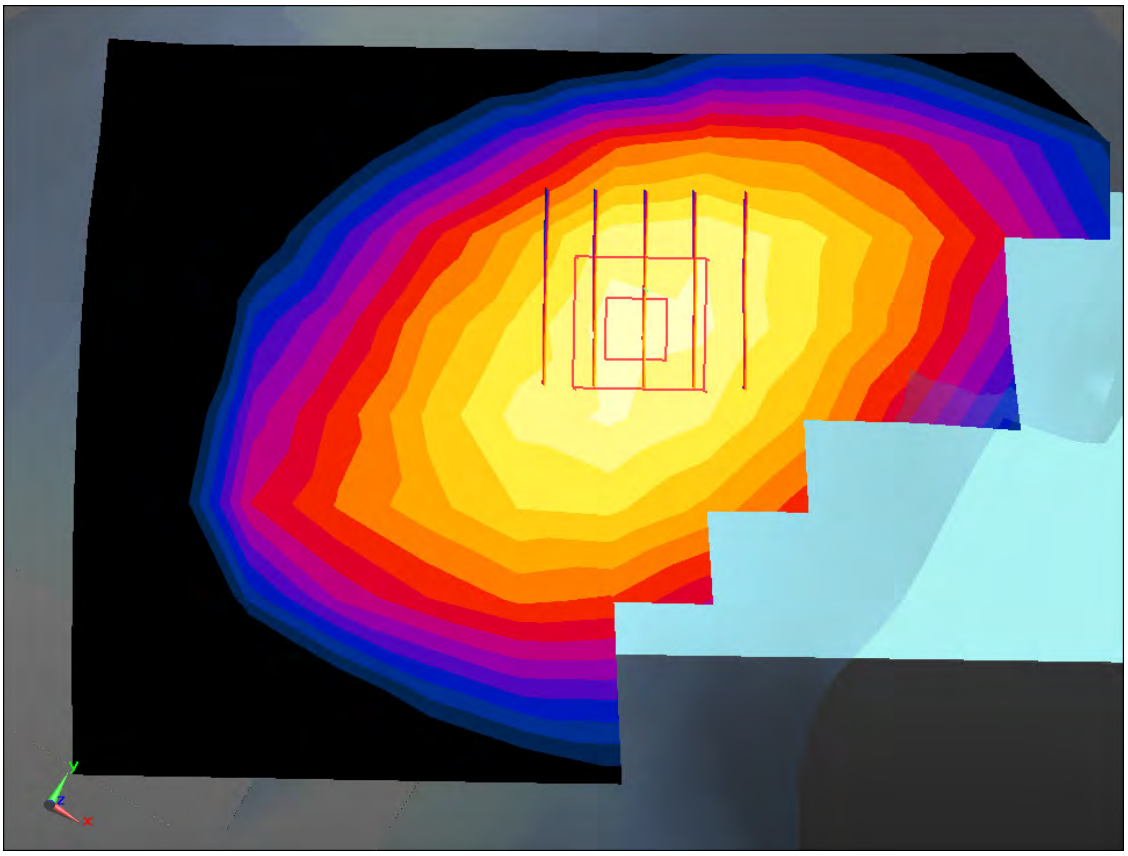
Test Date: 2019-03-07; Ambient Temp: 20.5; Tissue Temp: 21.1

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 = 0.04 dB
Peak SAR (extrapolated) = 0.421 W/kg
SAR(1 g) = 0.340 W/kg; SAR(10 g) = 0.262 W/kg



0 dB = 0.384 W/kg



Enlarged Plot for A2

DT&C Co., Ltd.

DUT: LM-X525BAW; Type: Bar

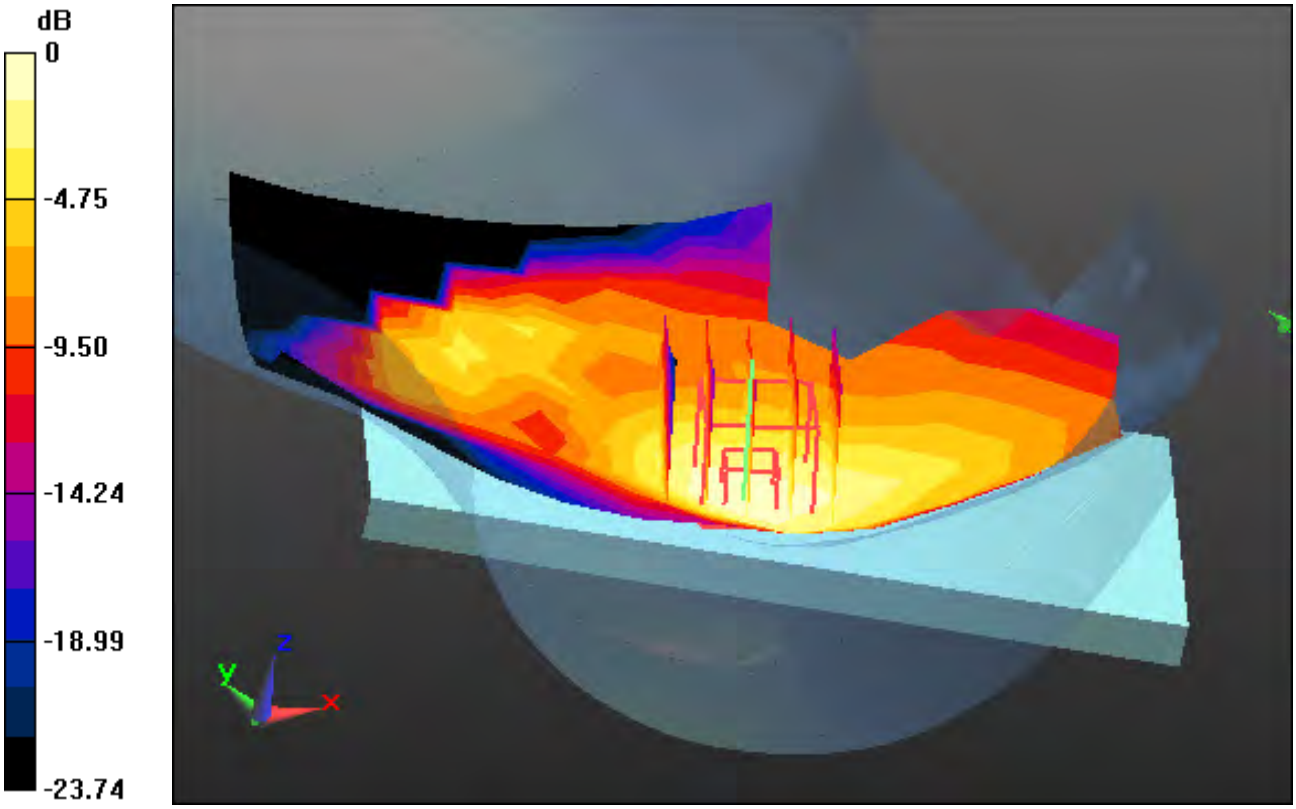
Communication System: UID 0, PCS 1900 (0); Frequency: 1880 MHz;Duty Cycle: 1:8.3
Medium parameters used: f = 1880 MHz; σ = 1.382 S/m; ε_r = 39.907; ρ = 1000 kg/m^3
Phantom section: Left Section

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)

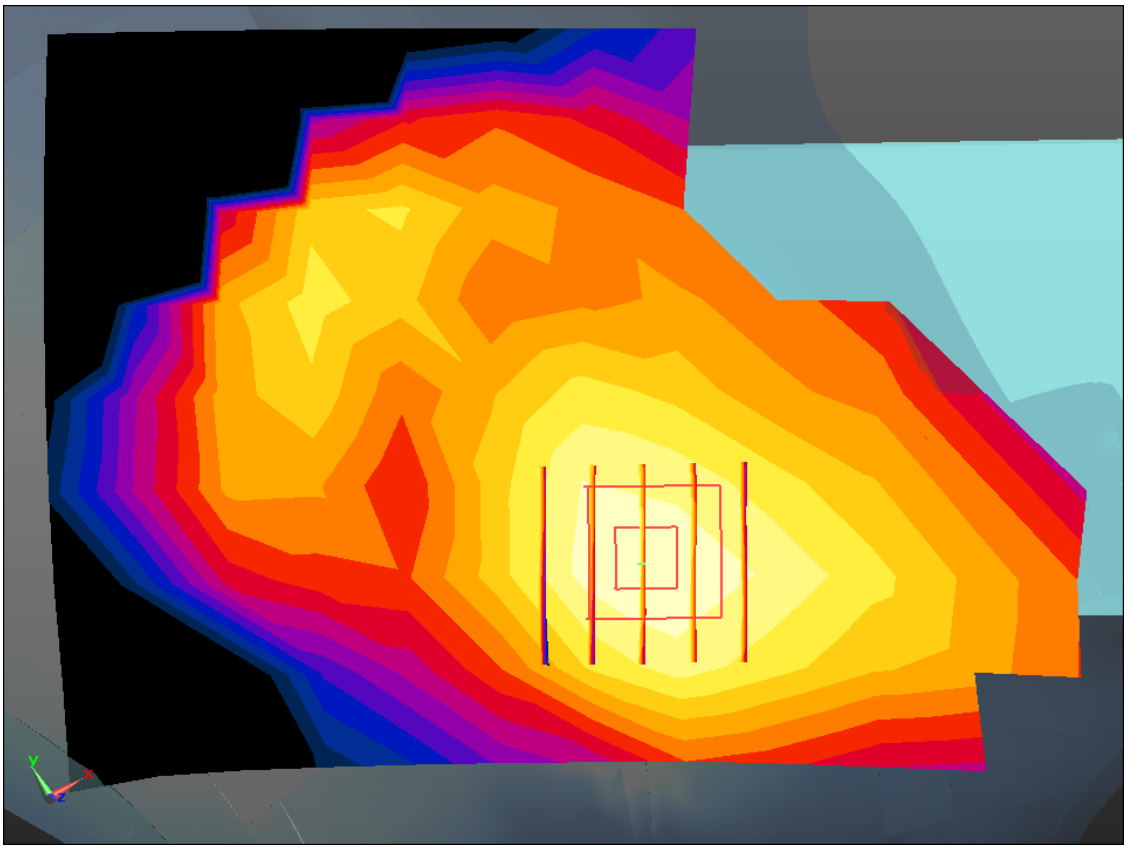
Test Date: 2019-03-08; Ambient Temp: 20.6; Tissue Temp: 21.3

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 = -0.00 dB
Peak SAR (extrapolated) = 0.259 W/kg
SAR(1 g) = 0.169 W/kg; SAR(10 g) = 0.104 W/kg



0 dB = 0.214 W/kg



Enlarged Plot for A3

DT&C Co., Ltd.

DUT: LM-X525BAW; Type: Bar

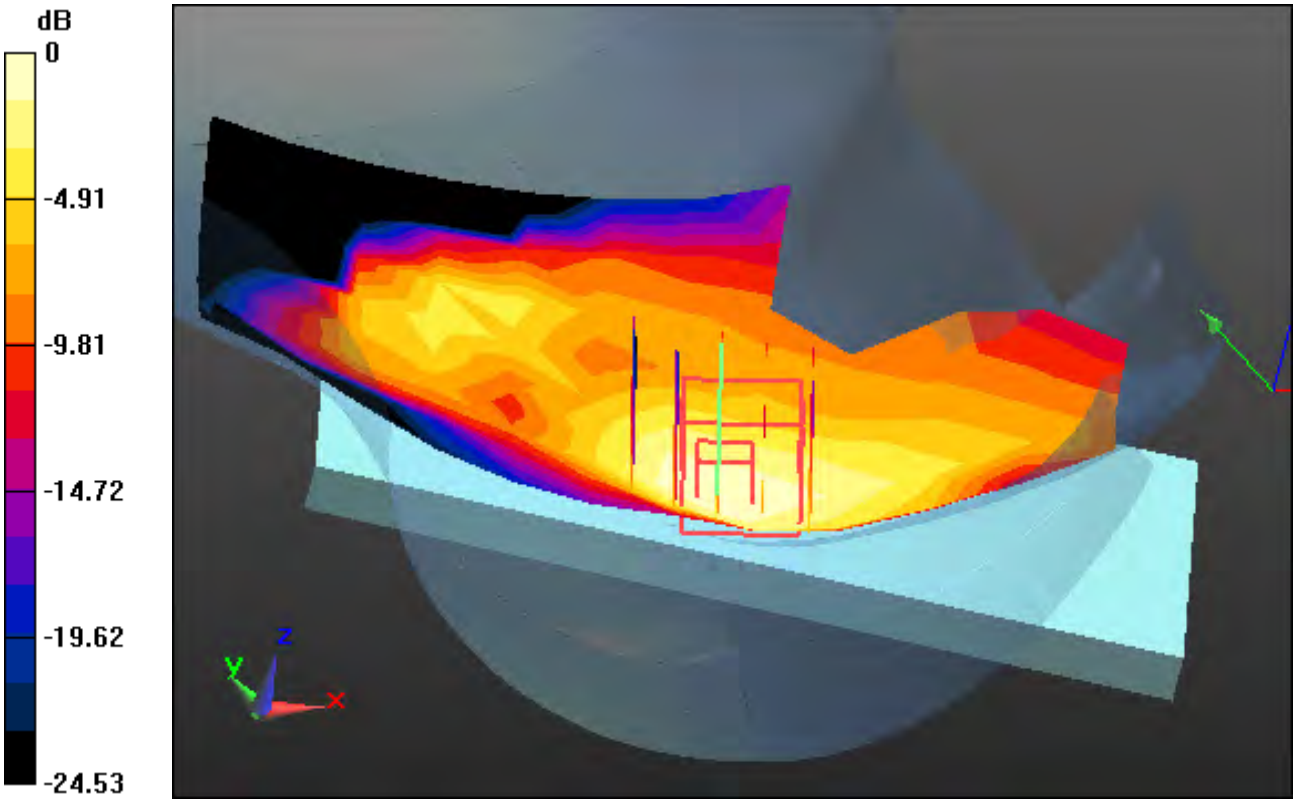
Communication System: UID 0, PCS1900_Class 12 (0); Frequency: 1880 MHz;Duty Cycle: 1:2.075
Medium parameters used: f = 1880 MHz; σ = 1.382 S/m; ε_r = 39.907; ρ = 1000 kg/m^3
Phantom section: Left Section

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)

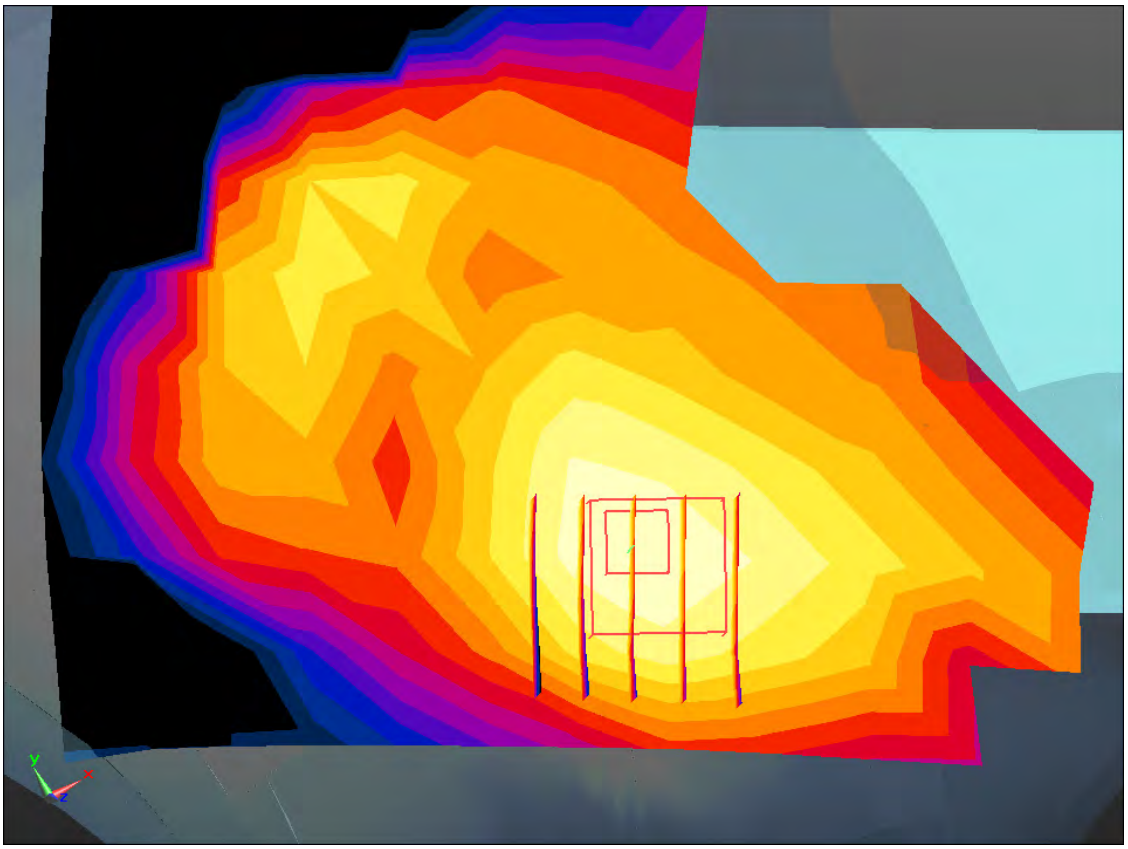
Test Date: 2019-03-08; Ambient Temp: 20.6; Tissue Temp: 21.3

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 = 0.15 dB
Peak SAR (extrapolated) = 0.361 W/kg
SAR(1 g) = 0.229 W/kg; SAR(10 g) = 0.136 W/kg



0 dB = 0.290 W/kg



Enlarged Plot for A4

DT&C Co., Ltd.

DUT: LM-X525BAW; Type: Bar

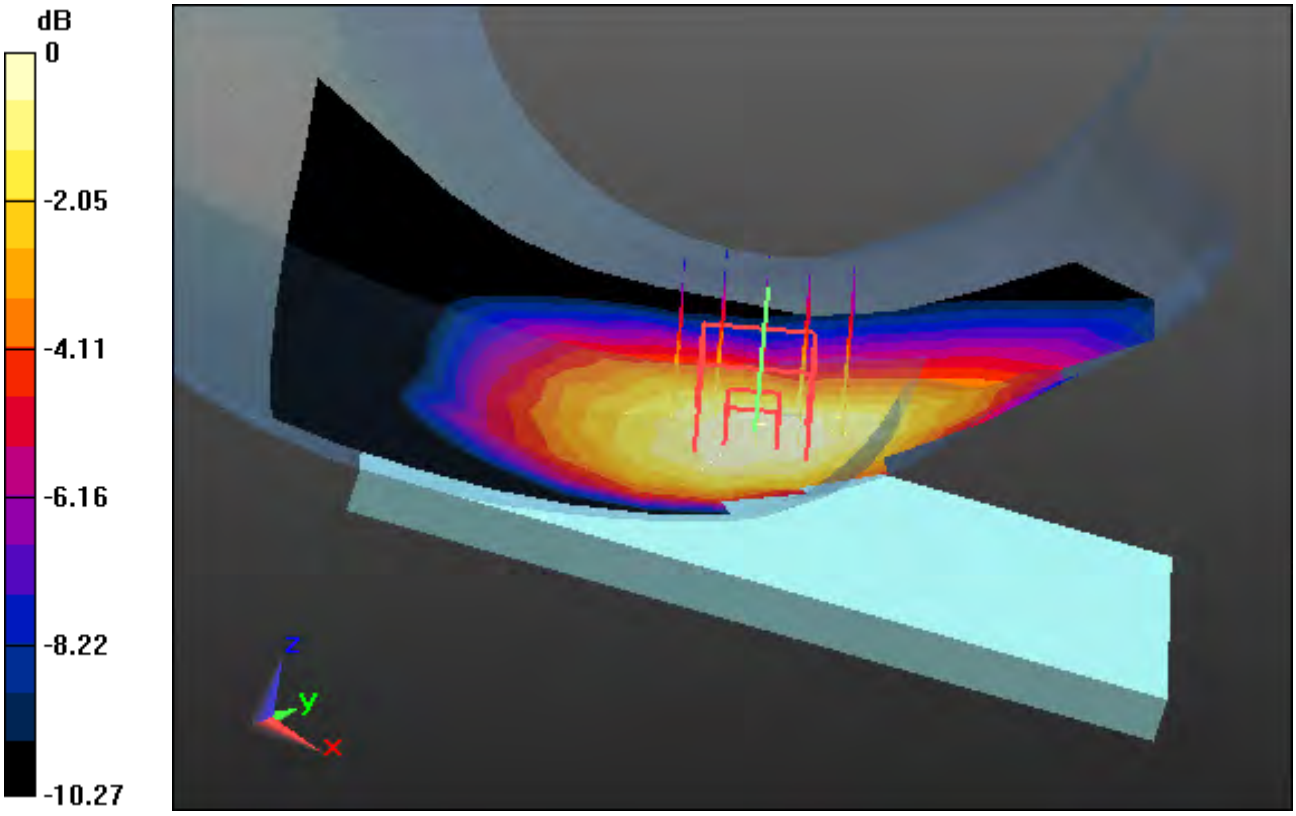
Communication System: UID 0, WCDMA 850 (0); Frequency: 836.6 MHz;Duty Cycle: 1:1
Medium parameters used: f = 836.6 MHz; σ = 0.894 S/m; ε_r = 41.502; ρ = 1000 kg/m^3
Phantom section: Right Section

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)

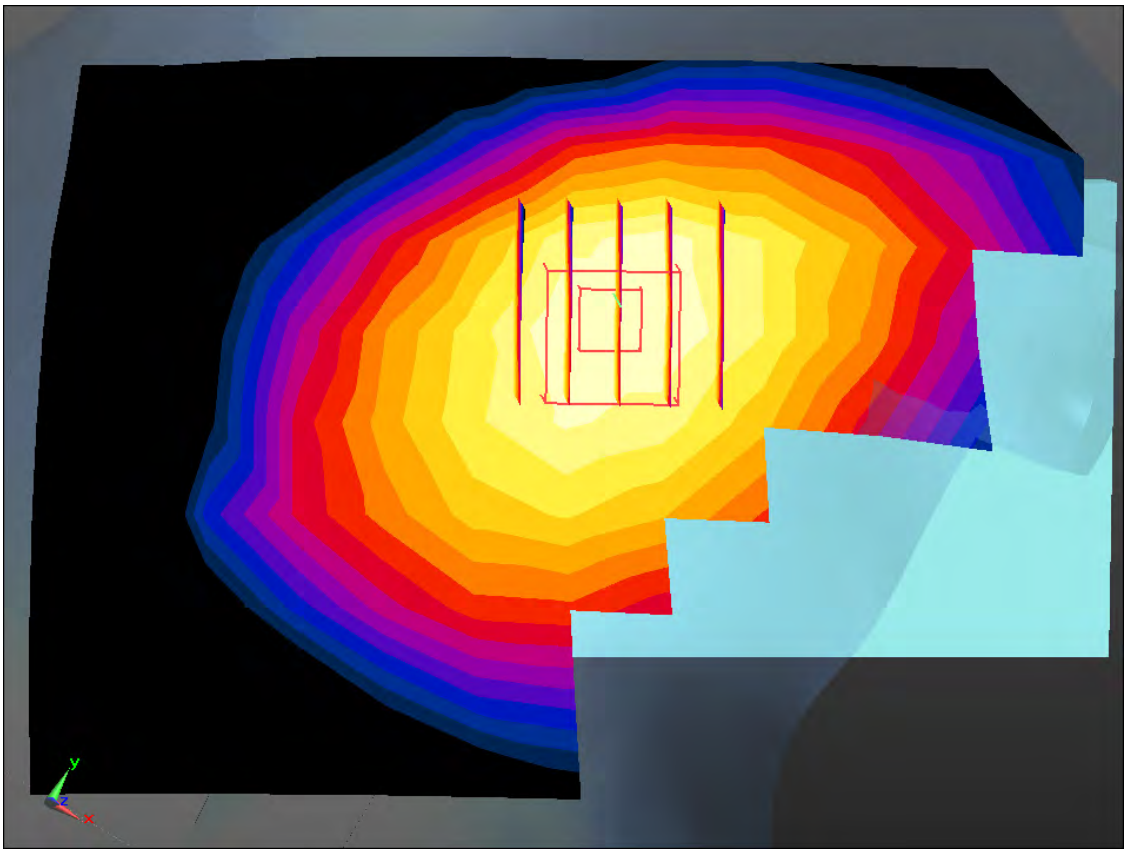
Test Date: 2019-03-13; Ambient Temp: 20.1; Tissue Temp: 20.9

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 = 0.19 dB
Peak SAR (extrapolated) = 0.351 W/kg
SAR(1 g) = 0.284 W/kg; SAR(10 g) = 0.220 W/kg



0 dB = 0.321 W/kg



Enlarged Plot for A5

DT&C Co., Ltd.

DUT: LM-X525BAW; Type: Bar

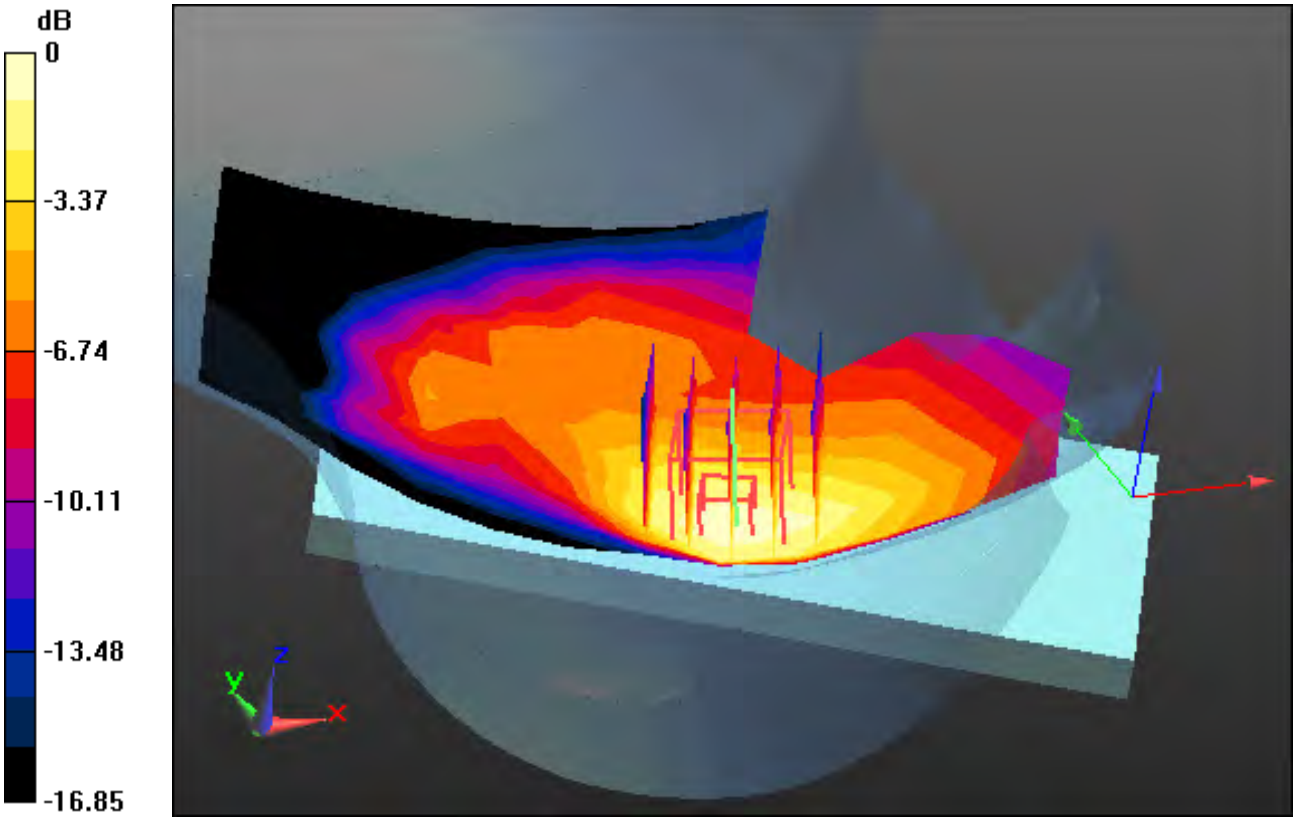
Communication System: UID 0, WCDMA Band 4 (0); Frequency: 1732.4 MHz;Duty Cycle: 1:1
Medium parameters used: f = 1732.4 MHz; σ = 1.348 S/m; ε_r = 41.137; ρ = 1000 kg/m^3
Phantom section: Left Section

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)

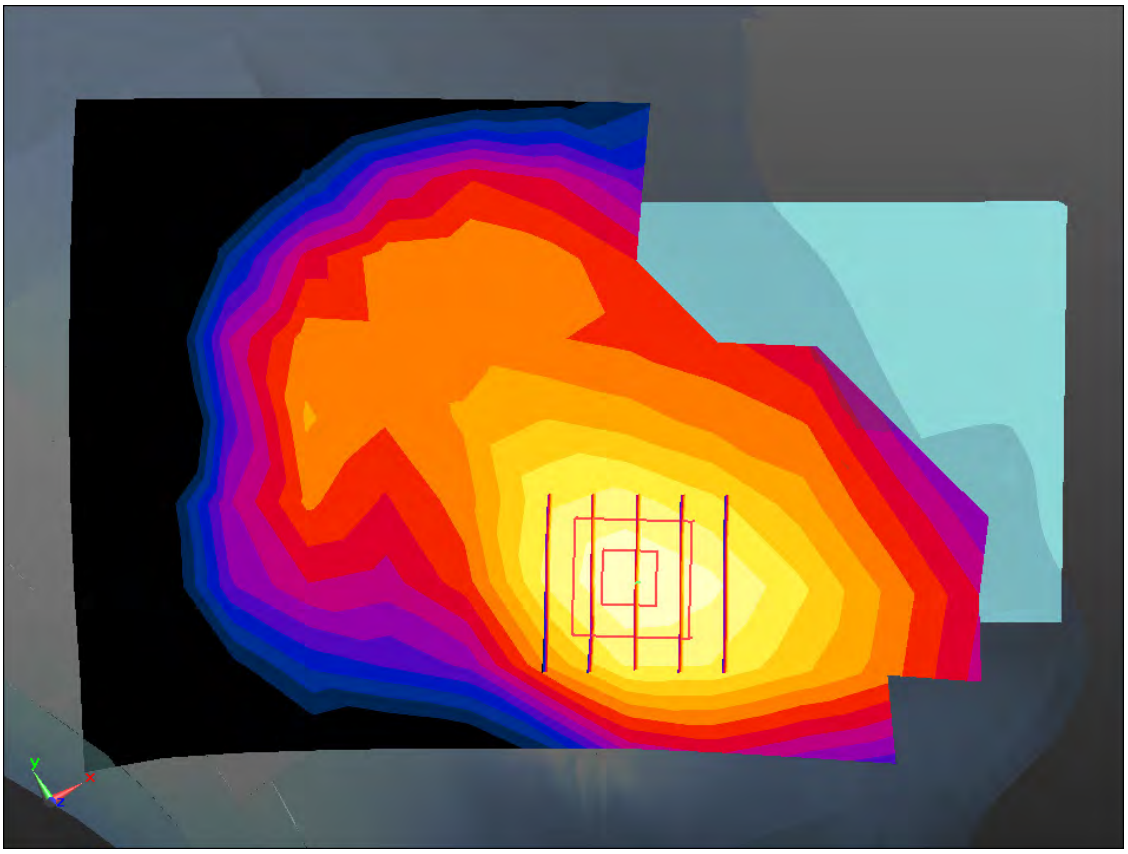
Test Date: 2019-03-12; Ambient Temp: 20.2; Tissue Temp: 21.0

Left 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 = -0.04 dB
Peak SAR (extrapolated) = 0.382 W/kg
SAR(1 g) = 0.253 W/kg; SAR(10 g) = 0.162 W/kg



0 dB = 0.317 W/kg



Enlarged Plot for A6

DT&C Co., Ltd.

DUT: LM-X525BAW; Type: Bar

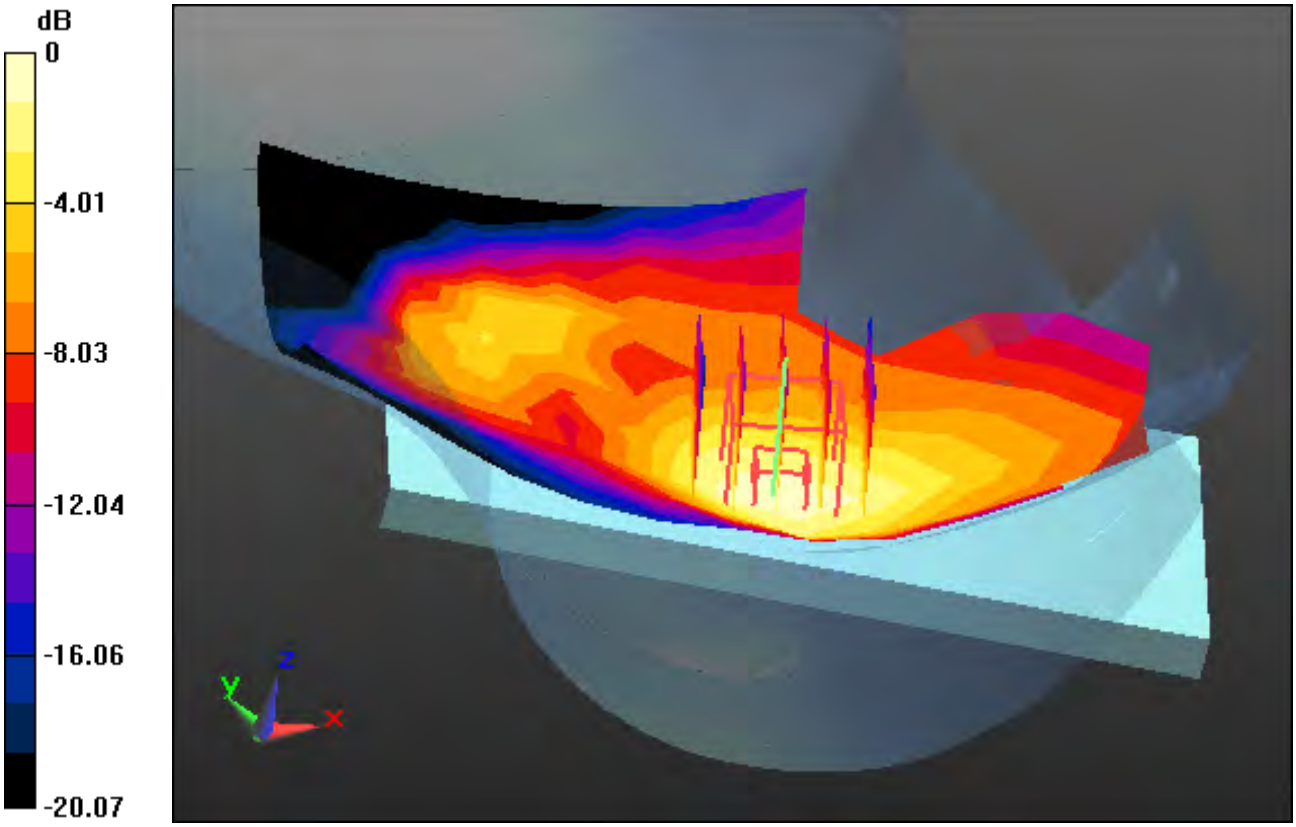
Communication System: UID 0, WCDMA 1900 (0); Frequency: 1880 MHz;Duty Cycle: 1:1
Medium parameters used: f = 1880 MHz; σ = 1.384 S/m; ε_r = 39.64; ρ = 1000 kg/m^3
Phantom section: Left Section

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)

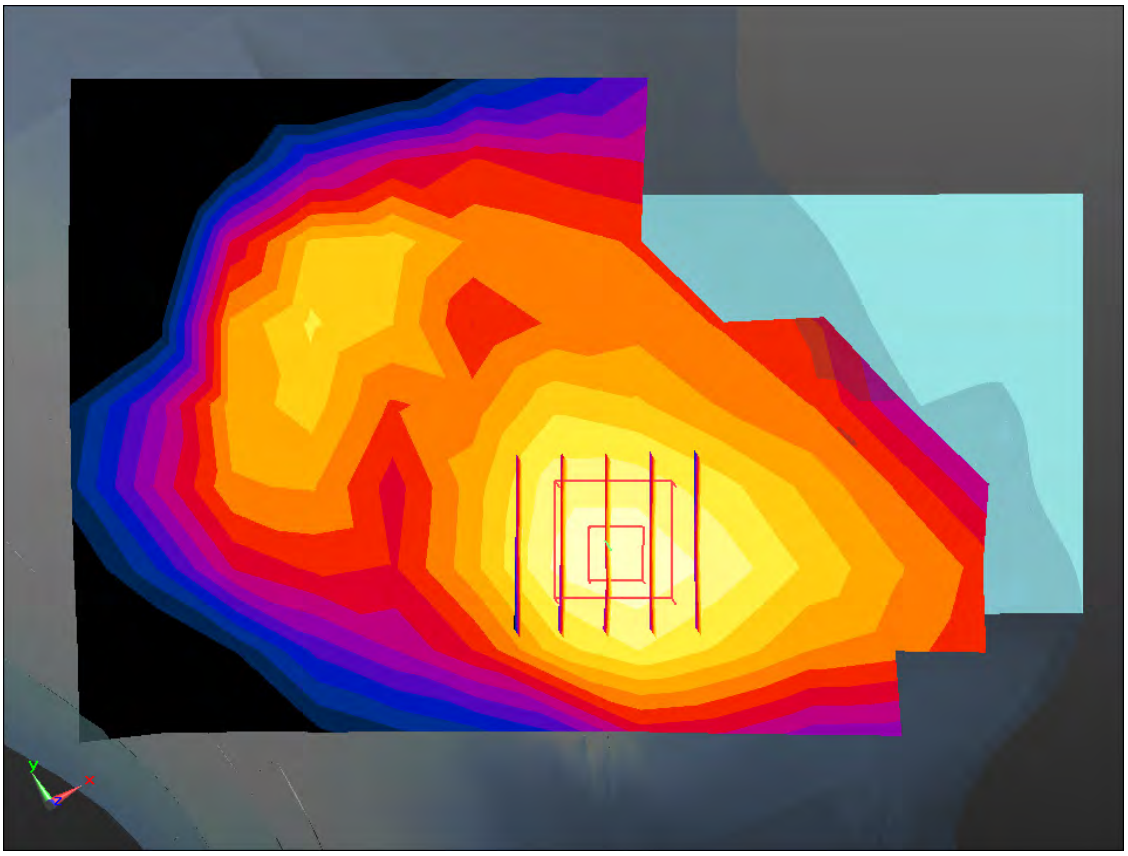
Test Date: 2019-03-11; Ambient Temp: 20.4; Tissue Temp: 21.2

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) = 0.572 W/kg
SAR(1 g) = 0.354 W/kg; SAR(10 g) = 0.217 W/kg



0 dB = 0.449 W/kg



Enlarged Plot for A7

DT&C Co., Ltd.

DUT: LM-X525BAW; 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 = 0.887 S/m; ε_r = 41.417; ρ = 1000 kg/m^3
Phantom section: Right Section

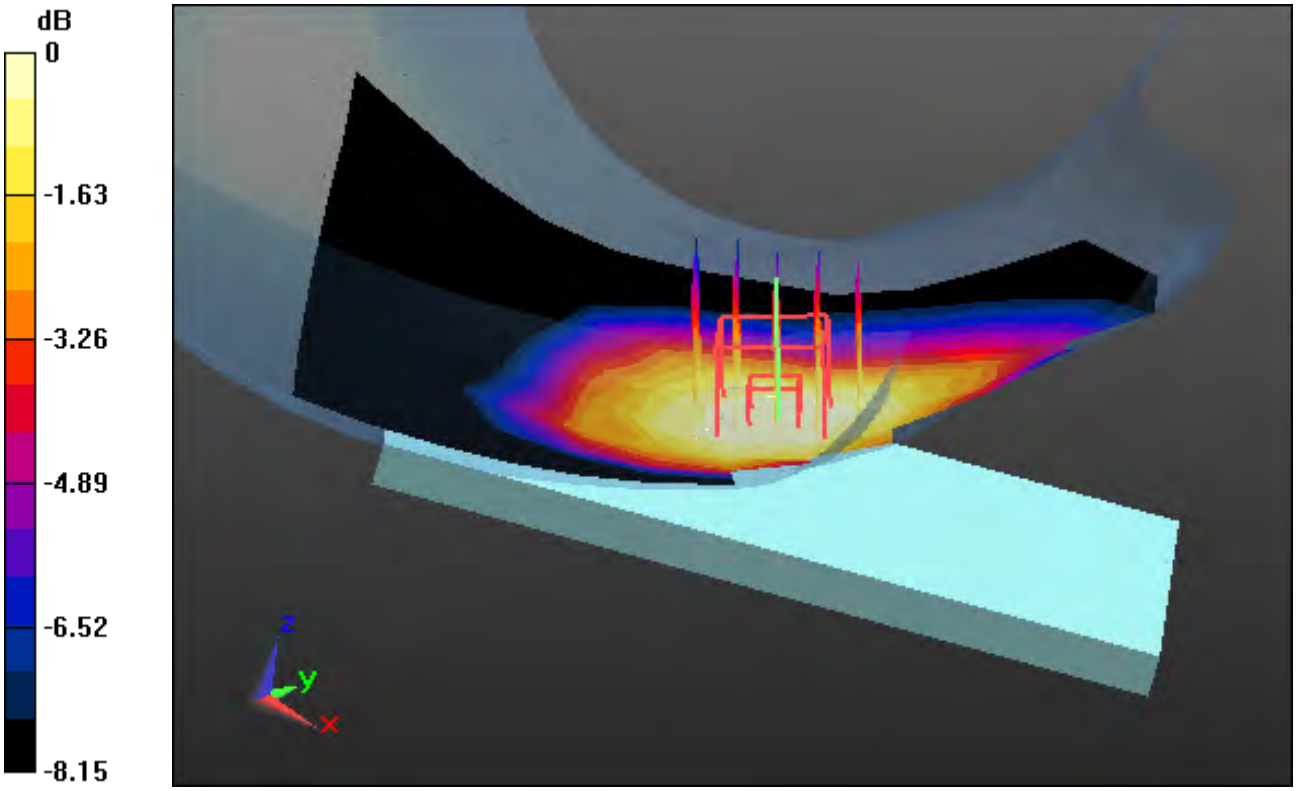
DASY5 Configuration:
Probe: EX3DV4 - SN3933; ConvF(10.76, 10.76, 10.76); Calibrated: 9/25/2018; Electronics: DAE4 Sn1396
Sensor-Surface: 2mm (Mechanical Surface Detection)
Phantom: SAM with CRP_2016_07_22_middle; Type: QD000P40CD; Serial: TP:1786
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version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

Test Date: 2019-03-06; Ambient Temp: 20.4; Tissue Temp: 20.9

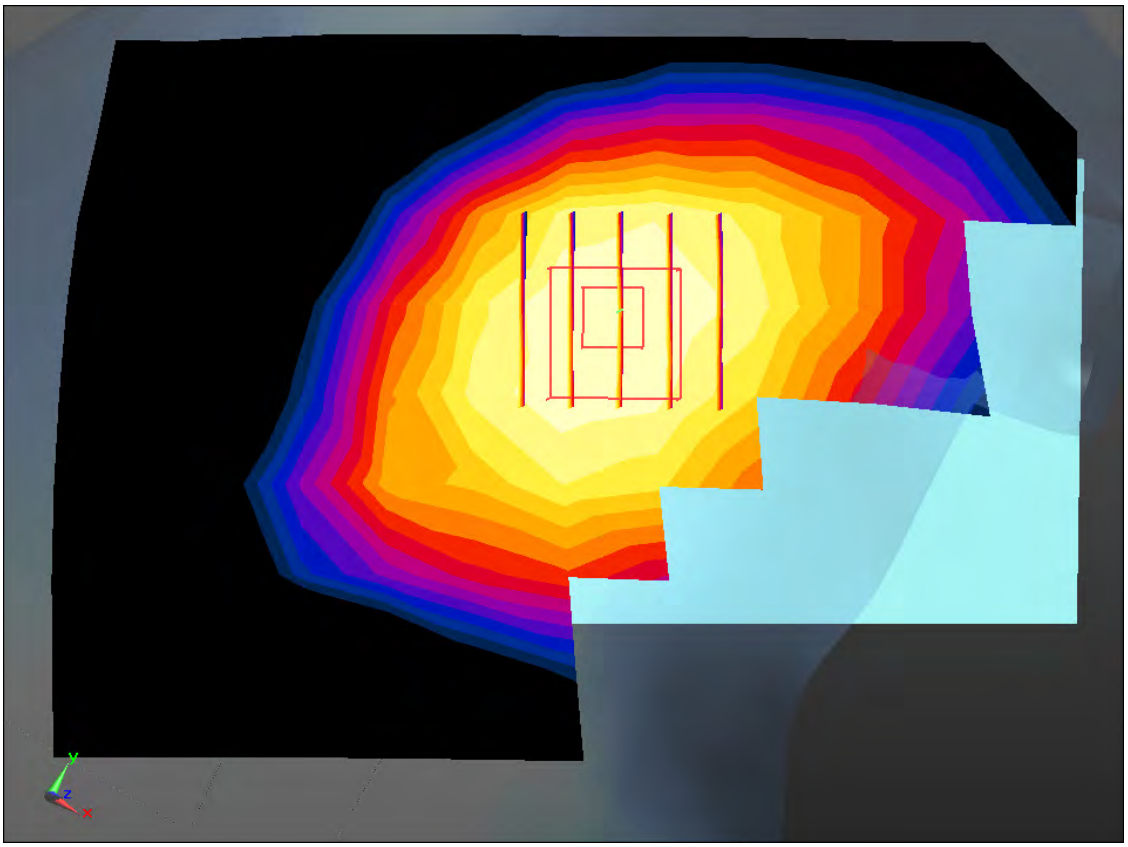
Right Touch, LTE Band 12 Ch. 23095, Ant Internal, Standard Battery

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 = 0.17 dB
Peak SAR (extrapolated) = 0.276 W/kg
SAR(1 g) = 0.237 W/kg; SAR(10 g) = 0.193 W/kg



0 dB = 0.261 W/kg



Enlarged Plot for A8

DT&C Co., Ltd.

DUT: LM-X525BAW; 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 = 0.893 S/m; ε_r = 41.529; ρ = 1000 kg/m^3
Phantom section: Right Section

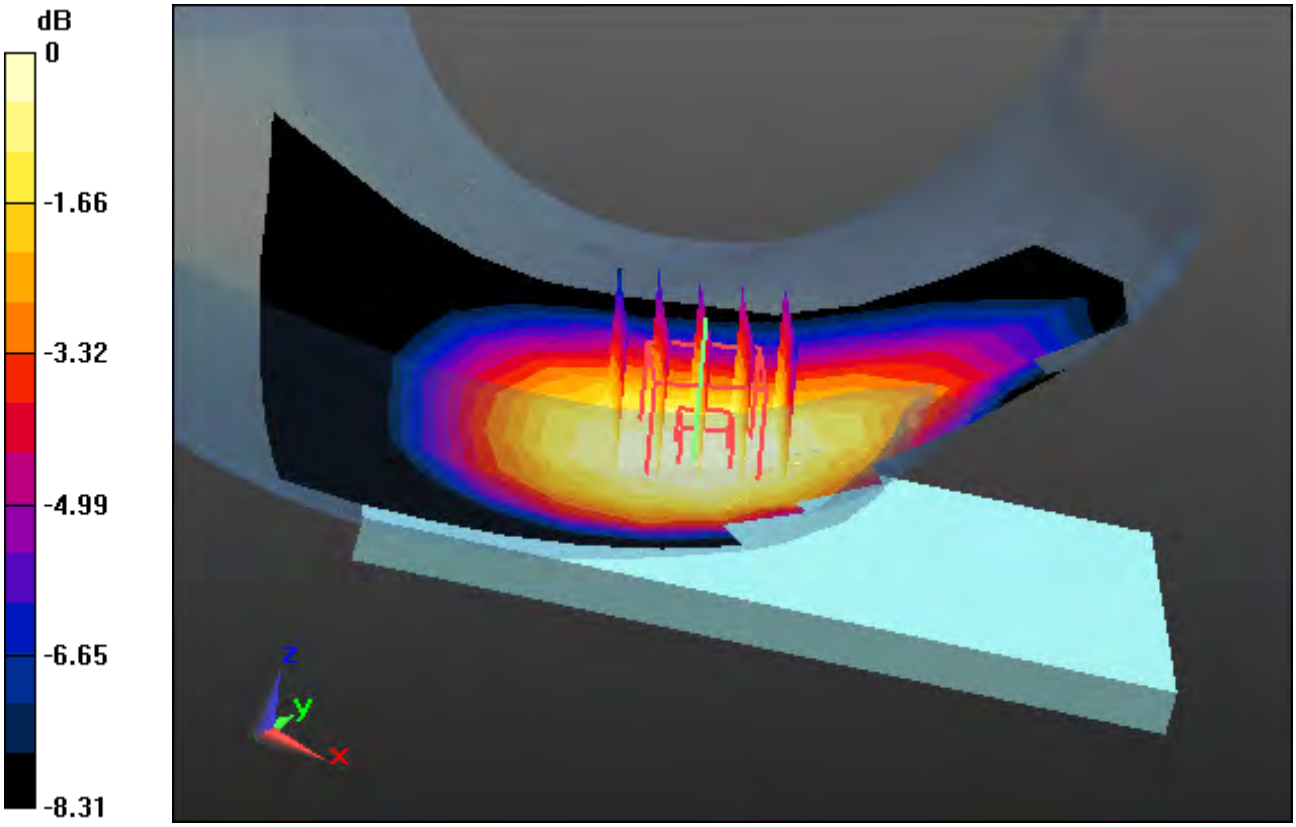
DASY5 Configuration:
Probe: EX3DV4 - SN3933; ConvF(10.26, 10.26, 10.26); Calibrated: 9/25/2018; Electronics: DAE4 Sn1396
Sensor-Surface: 2mm (Mechanical Surface Detection)
Phantom: SAM with CRP_2016_07_22_middle; Type: QD000P40CD; Serial: TP:1786
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version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

Test Date: 2019-03-04; Ambient Temp: 20.5; Tissue Temp: 21.0

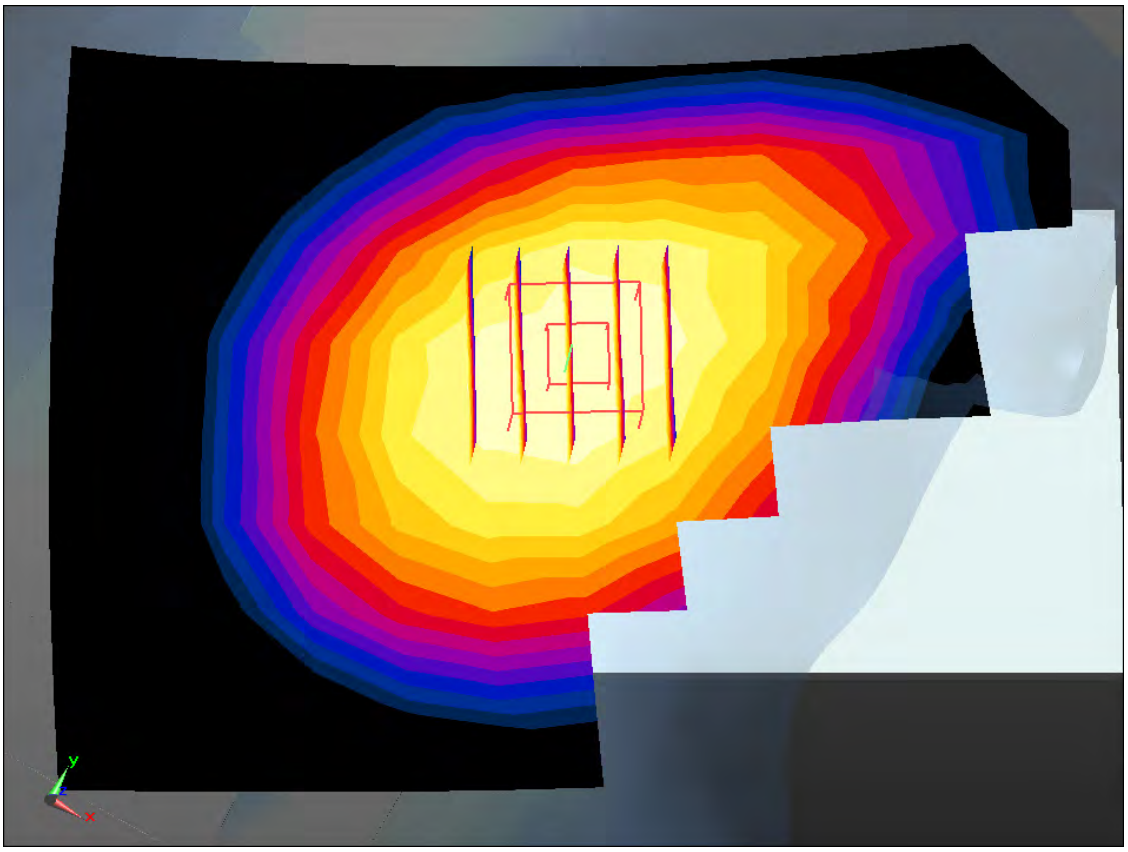
Right Touch, LTE Band 5 Ch. 20525, Ant Internal, Standard Battery

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 = -0.11 dB
Peak SAR (extrapolated) = 0.213 W/kg
SAR(1 g) = 0.184 W/kg; SAR(10 g) = 0.149 W/kg



0 dB = 0.201 W/kg



Enlarged Plot for A9

DT&C Co., Ltd.

DUT: LM-X525BAW; Type: Bar

Communication System: UID 0, LTE Band 66 (0); Frequency: 1720 MHz;Duty Cycle: 1:1
Medium parameters used: f = 1720 MHz; σ = 1.303 S/m; ε_r = 41.092; ρ = 1000 kg/m^3
Phantom section: Left Section

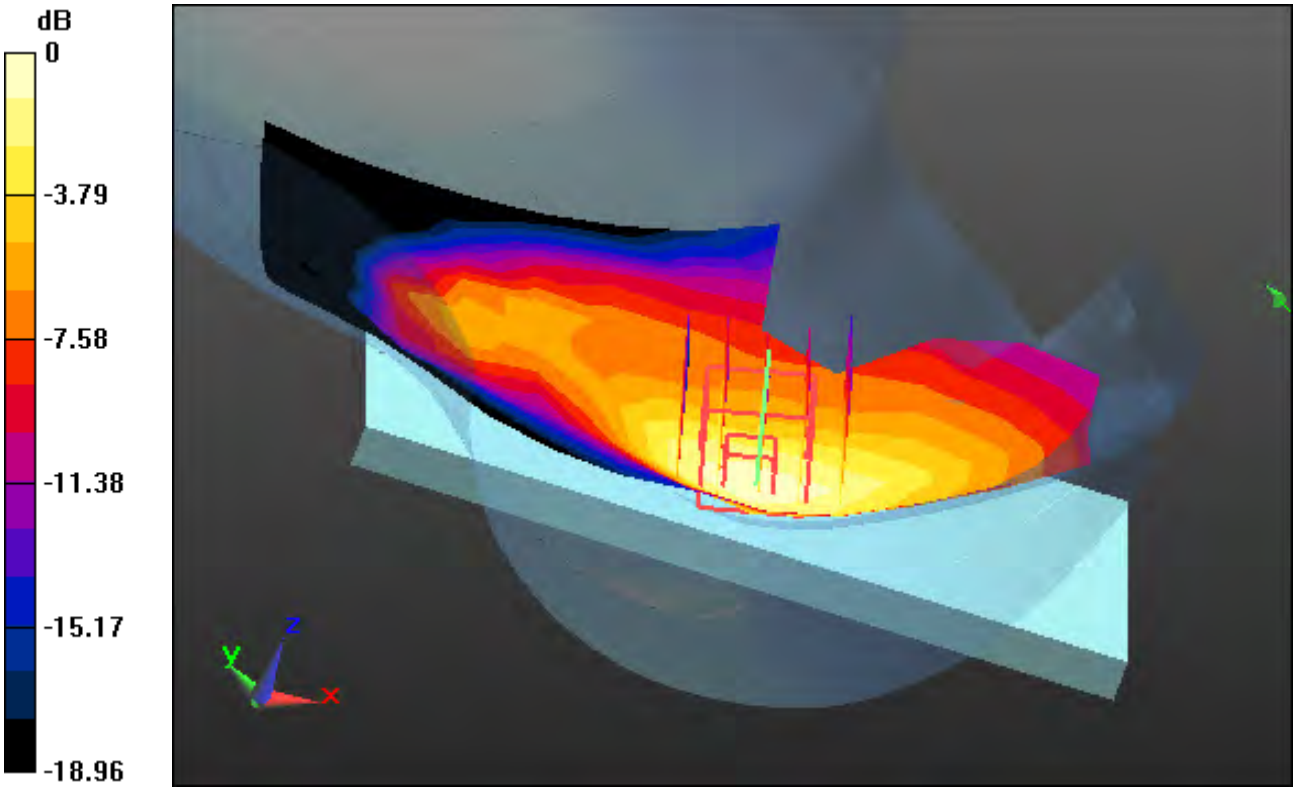
DASY5 Configuration:
Probe: EX3DV4 - SN3933; ConvF(8.83, 8.83, 8.83); Calibrated: 9/25/2018; Electronics: DAE4 Sn1396
Sensor-Surface: 2mm (Mechanical Surface Detection)
Phantom: SAM with CRP_2016_07_22_middle; Type: QD000P40CD; Serial: TP:1786
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version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

Test Date: 2019-03-02; Ambient Temp: 20.4; Tissue Temp: 21.1

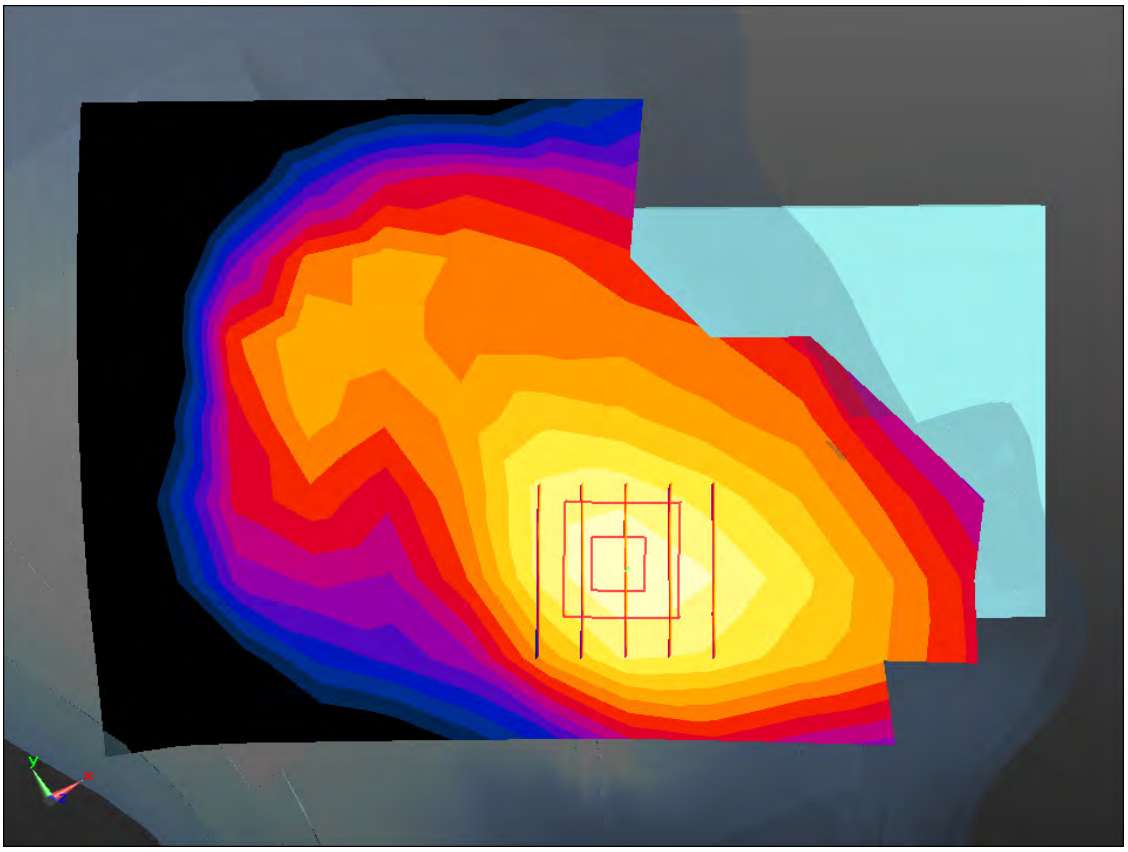
Left Touch, LTE Band 66 Ch. 132072, Ant Internal, Standard Battery

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 = 0.08 dB
Peak SAR (extrapolated) = 0.385 W/kg
SAR(1 g) = 0.256 W/kg; SAR(10 g) = 0.161 W/kg



0 dB = 0.325 W/kg



Enlarged Plot for A10

DT&C Co., Ltd.

DUT: LM-X525BAW; Type: Bar

Communication System: UID 0, LTE Band 2 (0); Frequency: 1860 MHz;Duty Cycle: 1:1
Medium parameters used: f = 1860 MHz; σ = 1.37 S/m; ε_r = 39.519; ρ = 1000 kg/m^3
Phantom section: Left Section

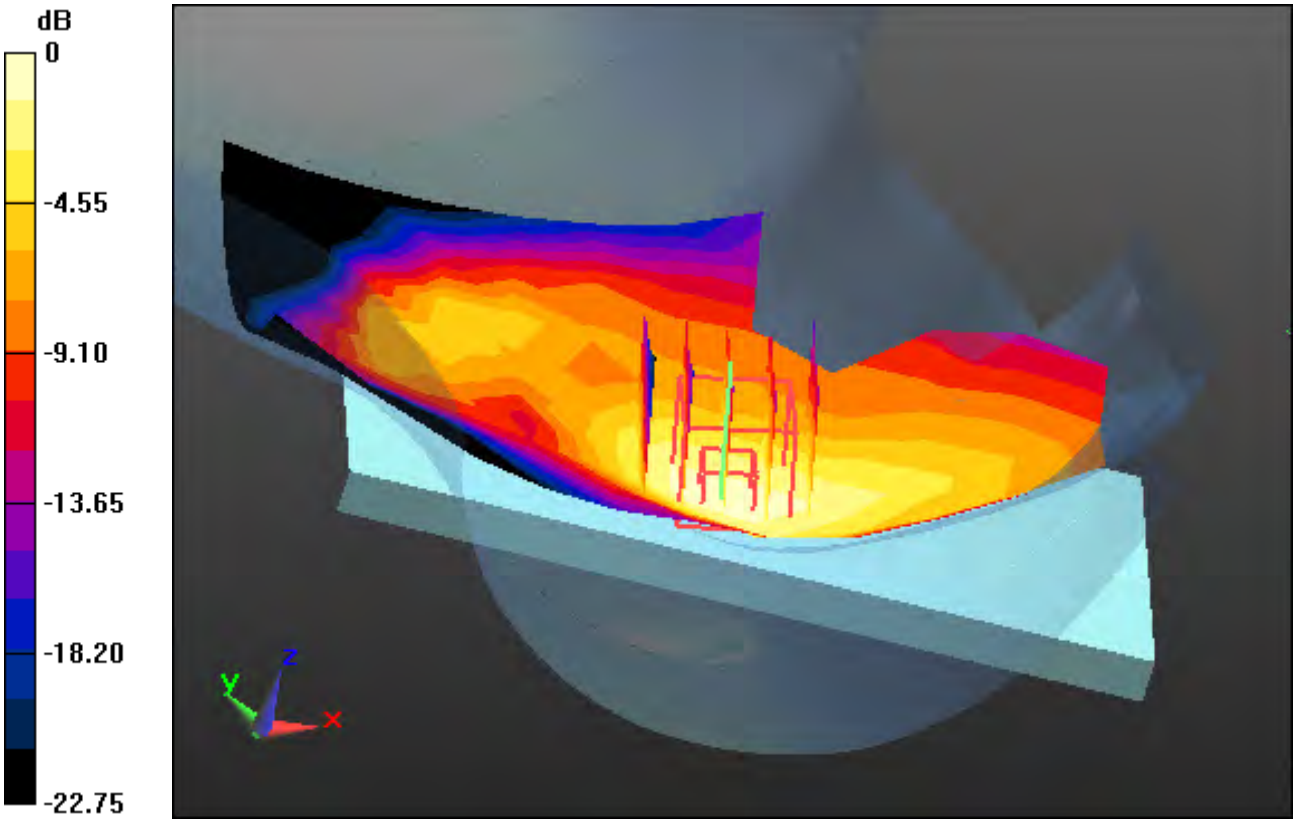
DASY5 Configuration:
Probe: EX3DV4 - SN3933; ConvF(8.54, 8.54, 8.54); Calibrated: 9/25/2018; Electronics: DAE4 Sn1396
Sensor-Surface: 2mm (Mechanical Surface Detection)
Phantom: SAM with CRP_2016_07_22_middle; Type: QD000P40CD; Serial: TP:1786
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version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

Test Date: 2019-03-01; Ambient Temp: 20.2; Tissue Temp: 20.9

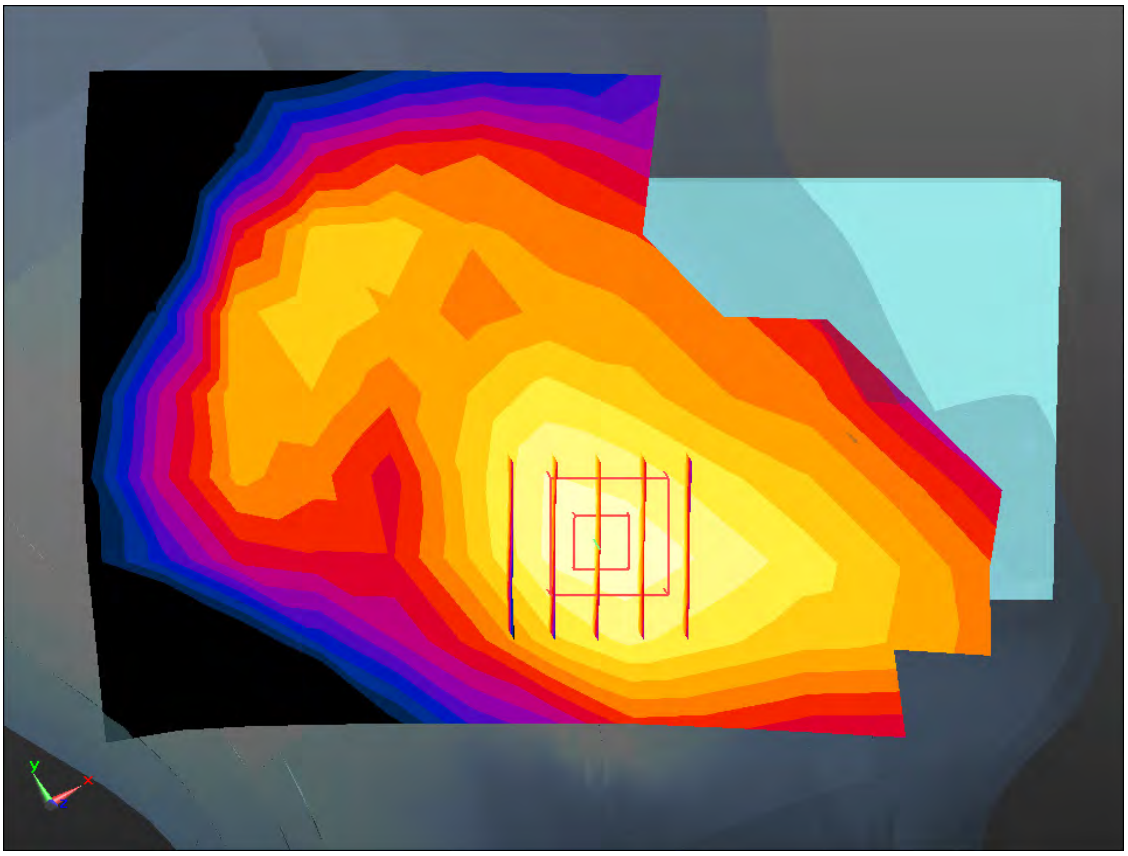
Left Touch, LTE Band 2 Ch. 18700, Ant Internal, Standard Battery

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 = 0.11 dB
Peak SAR (extrapolated) = 0.522 W/kg
SAR(1 g) = 0.341 W/kg; SAR(10 g) = 0.208 W/kg



0 dB = 0.440 W/kg



Enlarged Plot for A11

DT&C Co., Ltd.

DUT: LM-X525BAW; Type: Bar

Communication System: UID 0, LTE Band 7(FCC) (0); Frequency: 2510 MHz;Duty Cycle: 1:1
Medium parameters used: f = 2510 MHz; σ = 1.862 S/m; ε_r = 38.645; ρ = 1000 kg/m^3
Phantom section: Left Section

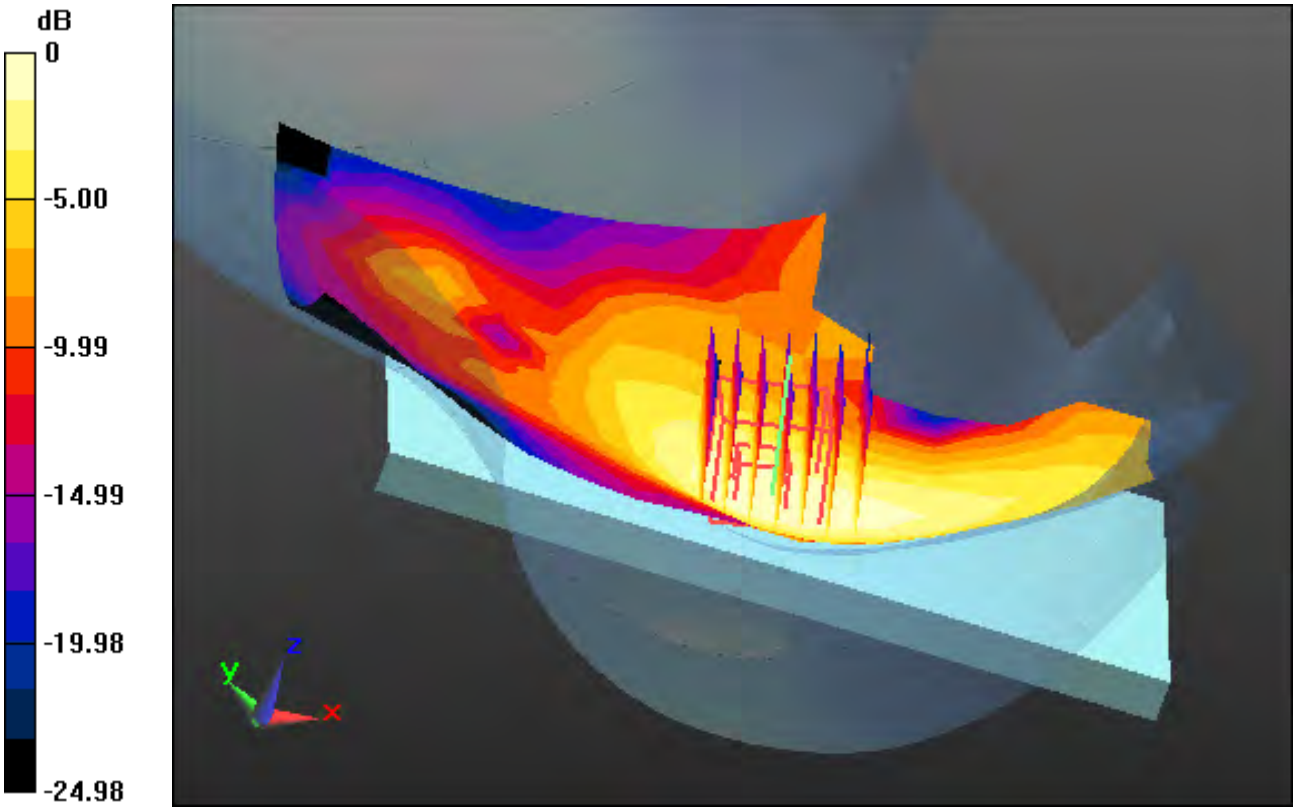
DASY5 Configuration:
Probe: EX3DV4 - SN3933; ConvF(7.41, 7.41, 7.41); Calibrated: 9/25/2018; Electronics: DAE4 Sn1396
Sensor-Surface: 2mm (Mechanical Surface Detection)
Phantom: SAM with CRP_2016_07_22_middle; Type: QD000P40CD; Serial: TP:1786
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version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

Test Date: 2019-03-05; Ambient Temp: 20.2; Tissue Temp: 20.8

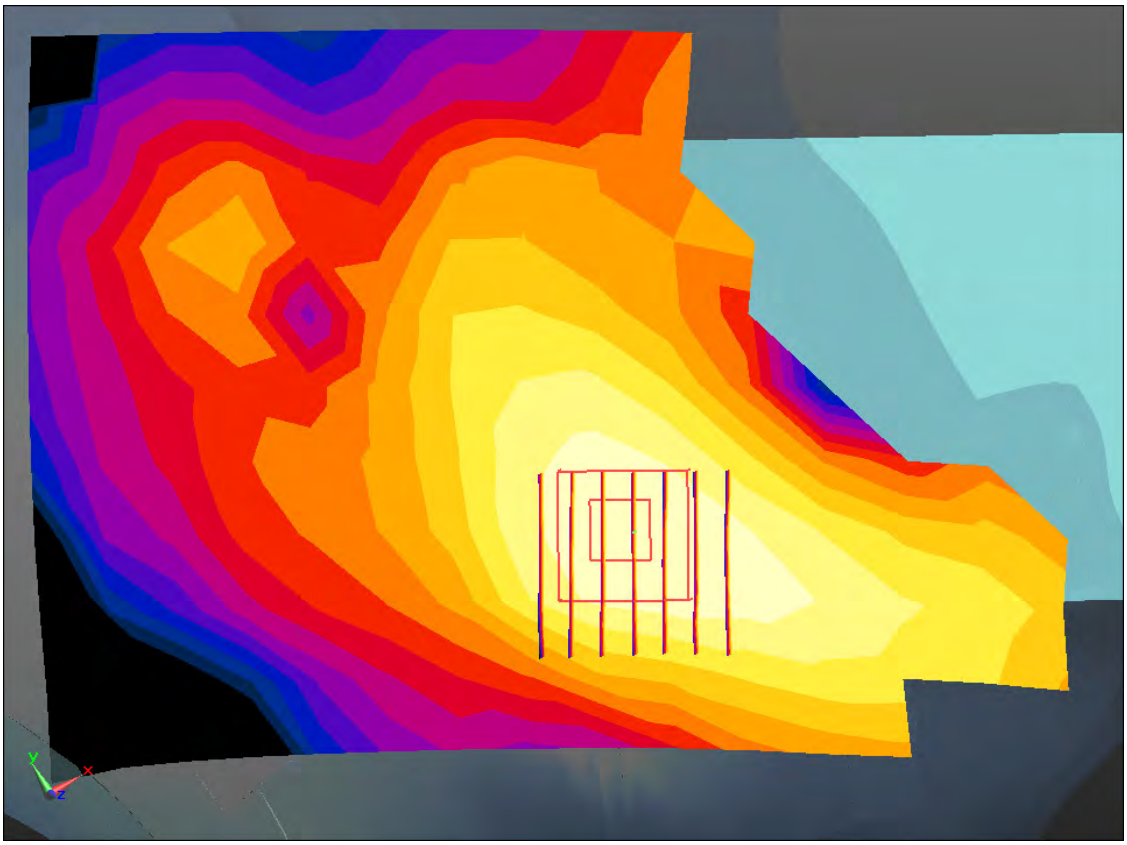
Left Touch, LTE Band 7 Ch. 20850, Ant Internal, Standard Battery

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 = 0.00 dB
Peak SAR (extrapolated) = 0.255 W/kg
SAR(1 g) = 0.142 W/kg; SAR(10 g) = 0.079 W/kg



0 dB = 0.196 W/kg



Enlarged Plot for A12

DT&C Co., Ltd.

DUT: LM-X525BAW; Type: Bar

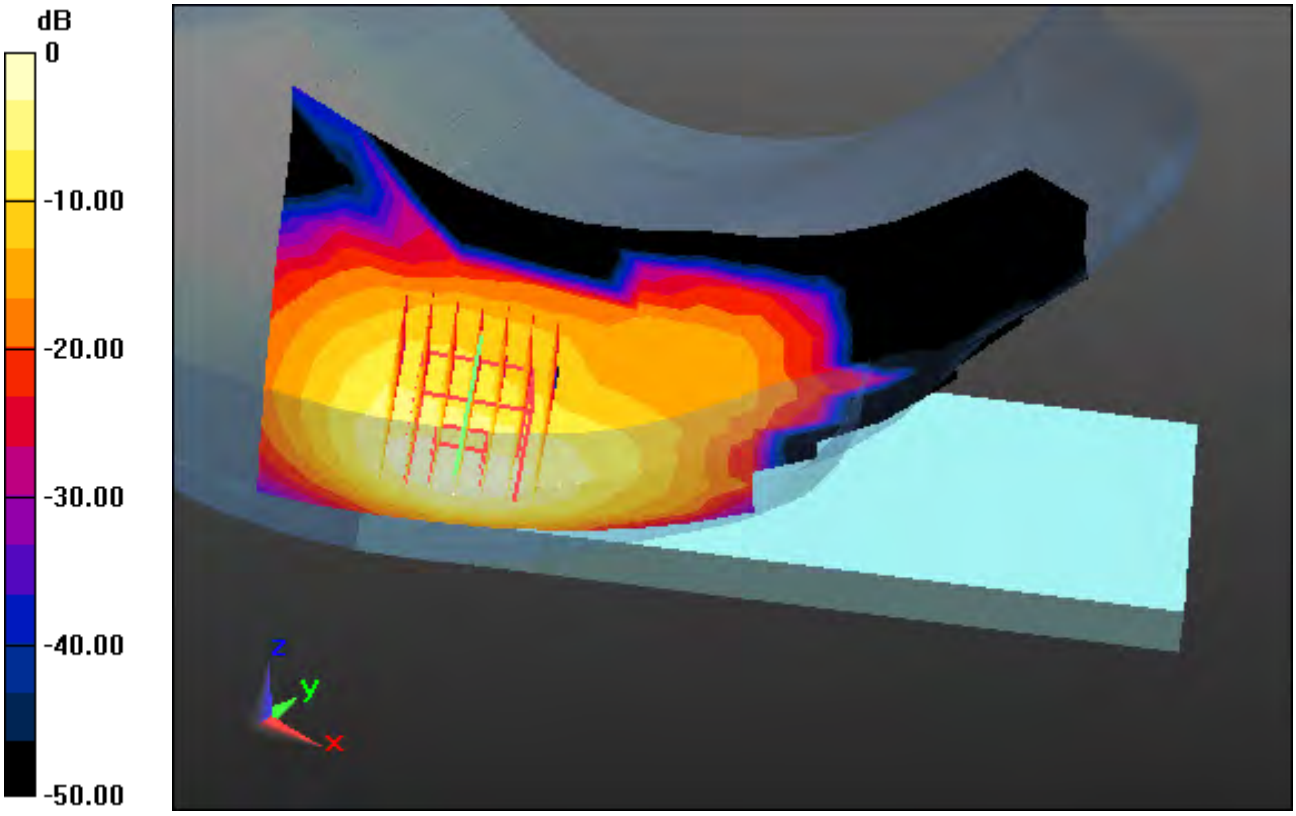
Communication System: UID 0, 2.4 GHz W-LAN (0); Frequency: 2437 MHz;Duty Cycle: 1:1
Medium parameters used: f = 2437 MHz; σ = 1.801 S/m; ε_r = 39.971; ρ = 1000 kg/m^3
Phantom section: Right Section

DASY5 Configuration:
Probe: EX3DV4 - SN3933; ConvF(7.61, 7.61, 7.61); 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)

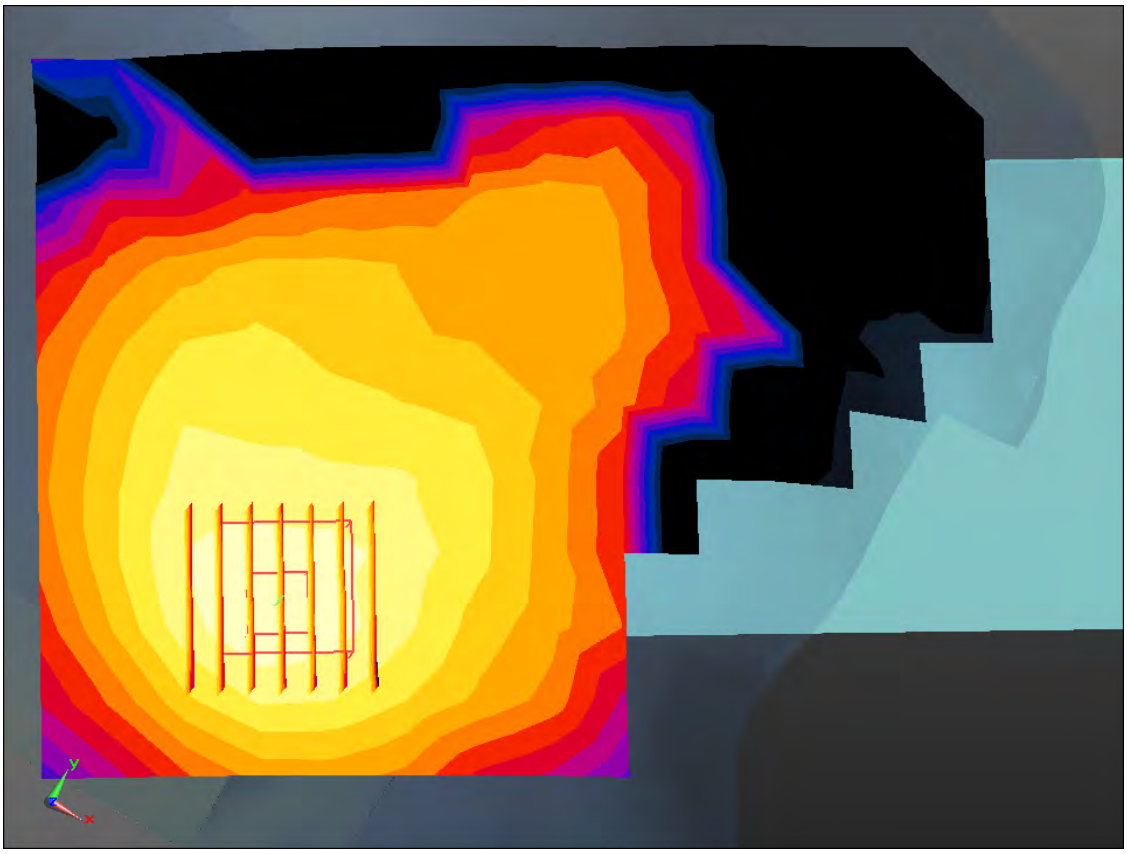
Test Date: 2019-03-14; Ambient Temp: 20.2; Tissue Temp: 21.1

Right Touch, WLAN(802.11b) Ch. 6, Ant Internal, Standard Battery

Area Scan (11x17x1): Measurement grid: dx=12mm, dy=12mm
Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Power Drift = 0.17 dB
Peak SAR (extrapolated) = 1.20 W/kg
SAR(1 g) = 0.531 W/kg; SAR(10 g) = 0.246 W/kg



0 dB = 0.831 W/kg



Enlarged Plot for A13

DT&C Co., Ltd.

DUT: LM-X525BAW; Type: Bar

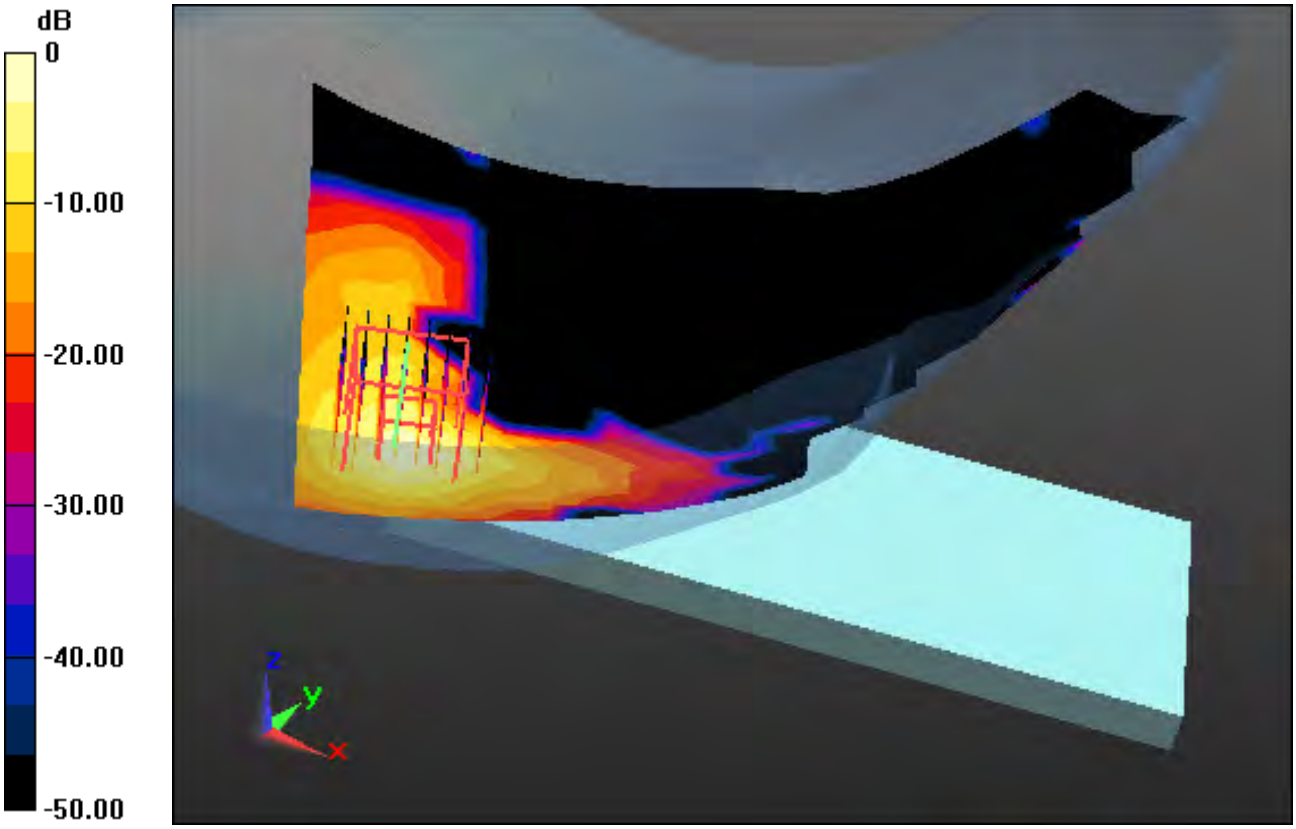
Communication System: UID 0, 00_5GHz W-LAN (0); Frequency: 5320 MHz;Duty Cycle: 1:1
Medium parameters used: f = 5320 MHz; σ = 4.961 S/m; ε_r = 35.008; ρ = 1000 kg/m^3
Phantom section: Right Section

DASY5 Configuration:
Probe: EX3DV4 - SN3916; ConvF(5.04, 5.04, 5.04); Calibrated: 4/25/2018; Electronics: DAE4 Sn1391
Sensor-Surface: 1.4mm (Mechanical Surface Detection)
Phantom: SAM with CRP v5.0; Type: QD000P40CD; Serial: TP:1837
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

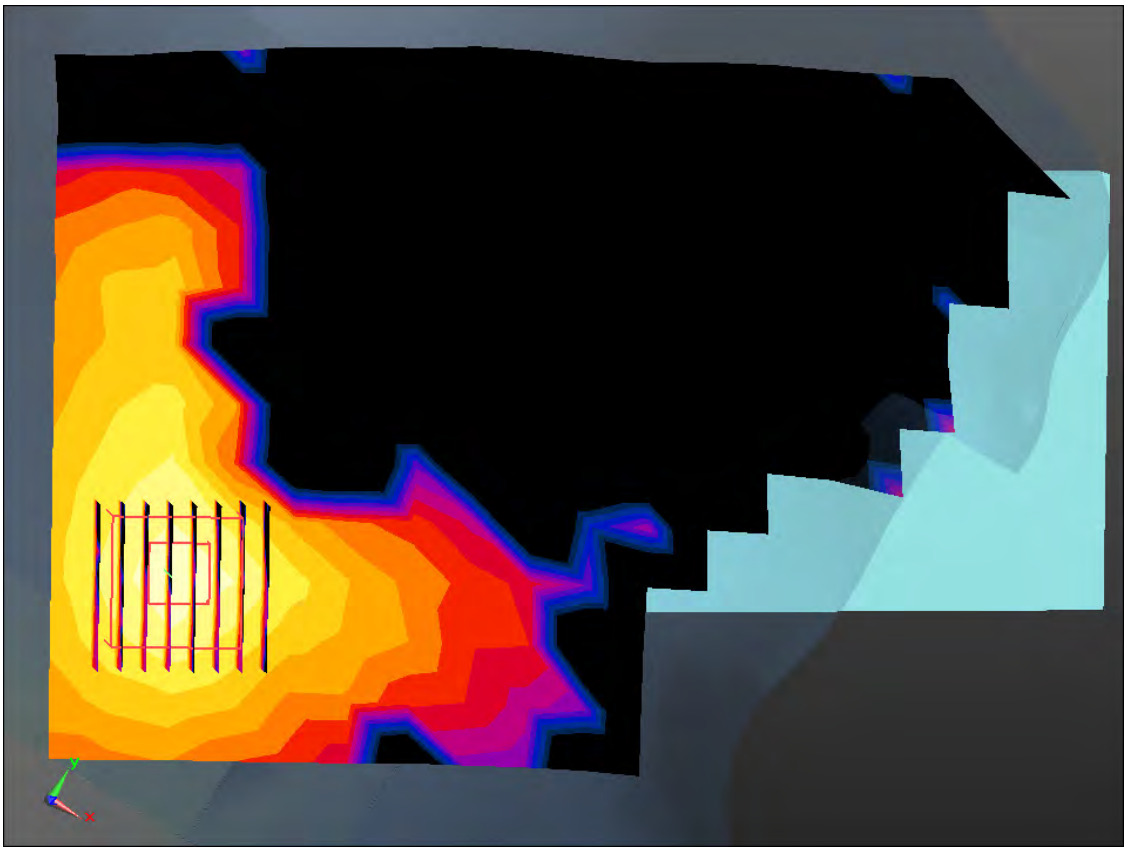
Test Date: 2019-03-26; Ambient Temp: 20.6; Tissue Temp: 20.9

Right Tilt, WLAN(802.11a) 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 = -0.04 dB
Peak SAR (extrapolated) = 2.23 W/kg
SAR(1 g) = 0.544 W/kg; SAR(10 g) = 0.160 W/kg



0 dB = 1.38 W/kg



Enlarged Plot for A14

DUT: LM-X525BAW; Type: Bar

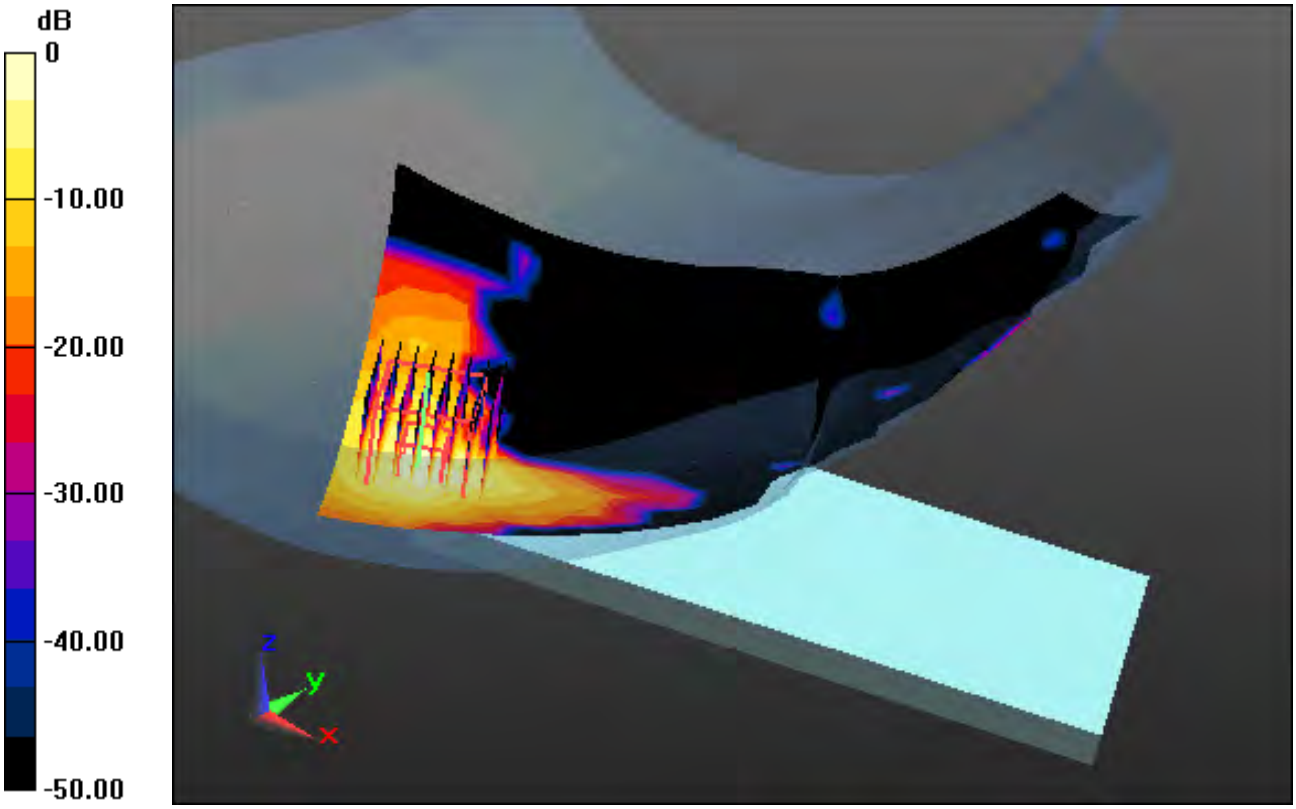
Communication System: UID 0, W-LAN 5G (0); Frequency: 5720 MHz;Duty Cycle: 1:1
Medium parameters used: f = 5720 MHz; σ = 5.178 S/m; ε_r = 34.862; ρ = 1000 kg/m^3
Phantom section: Right Section

DASY5 Configuration:
Probe: EX3DV4 - SN3916; ConvF(4.94, 4.94, 4.94); Calibrated: 4/25/2018; Electronics: DAE4 Sn1391
Sensor-Surface: 1.4mm (Mechanical Surface Detection)
Phantom: SAM with CRP v5.0; Type: QD000P40CD; Serial: TP:1837
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

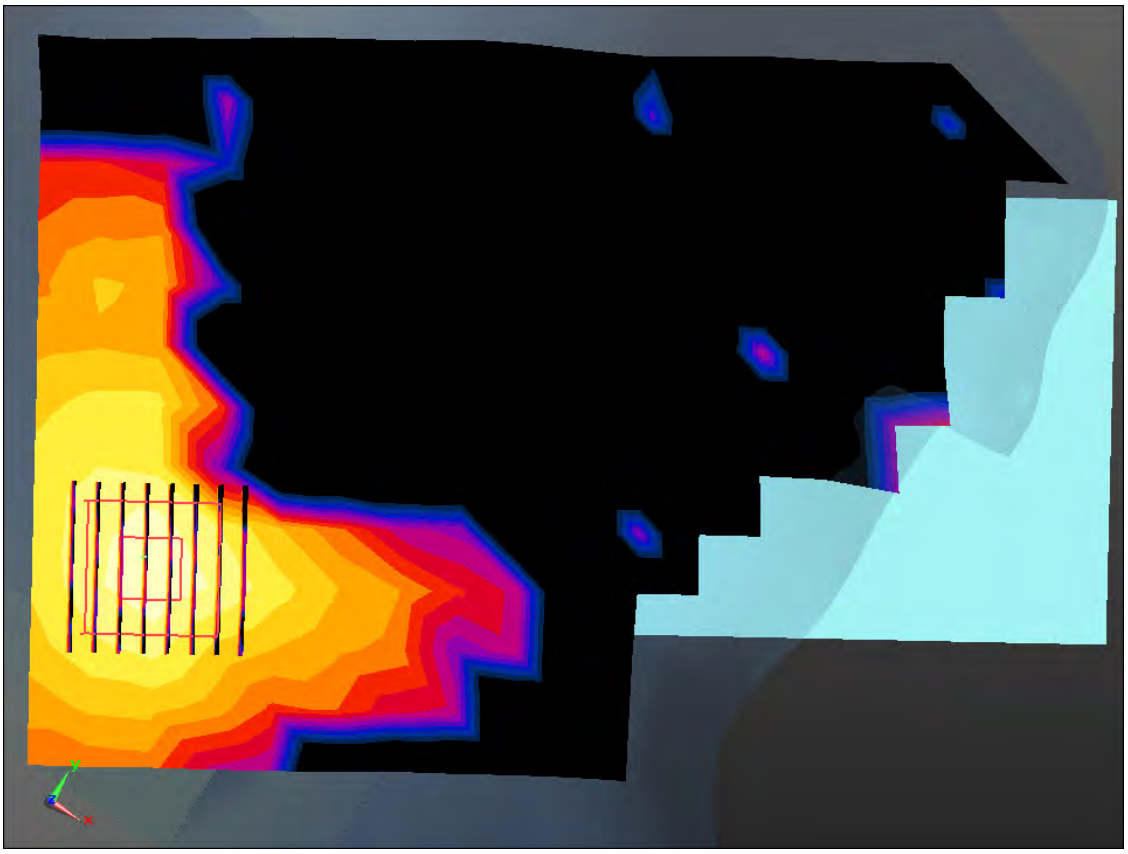
Test Date: 2019-03-27; Ambient Temp: 20.8; Tissue Temp: 21.1

Right Tilt, WLAN(802.11a) Ch. 144, 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 = 0.17 dB
Peak SAR (extrapolated) = 2.10 W/kg
SAR(1 g) = 0.495 W/kg; SAR(10 g) = 0.146 W/kg



0 dB = 1.23 W/kg



Enlarged Plot for A15

DT&C Co., Ltd.

DUT: LM-X525BAW; Type: Bar

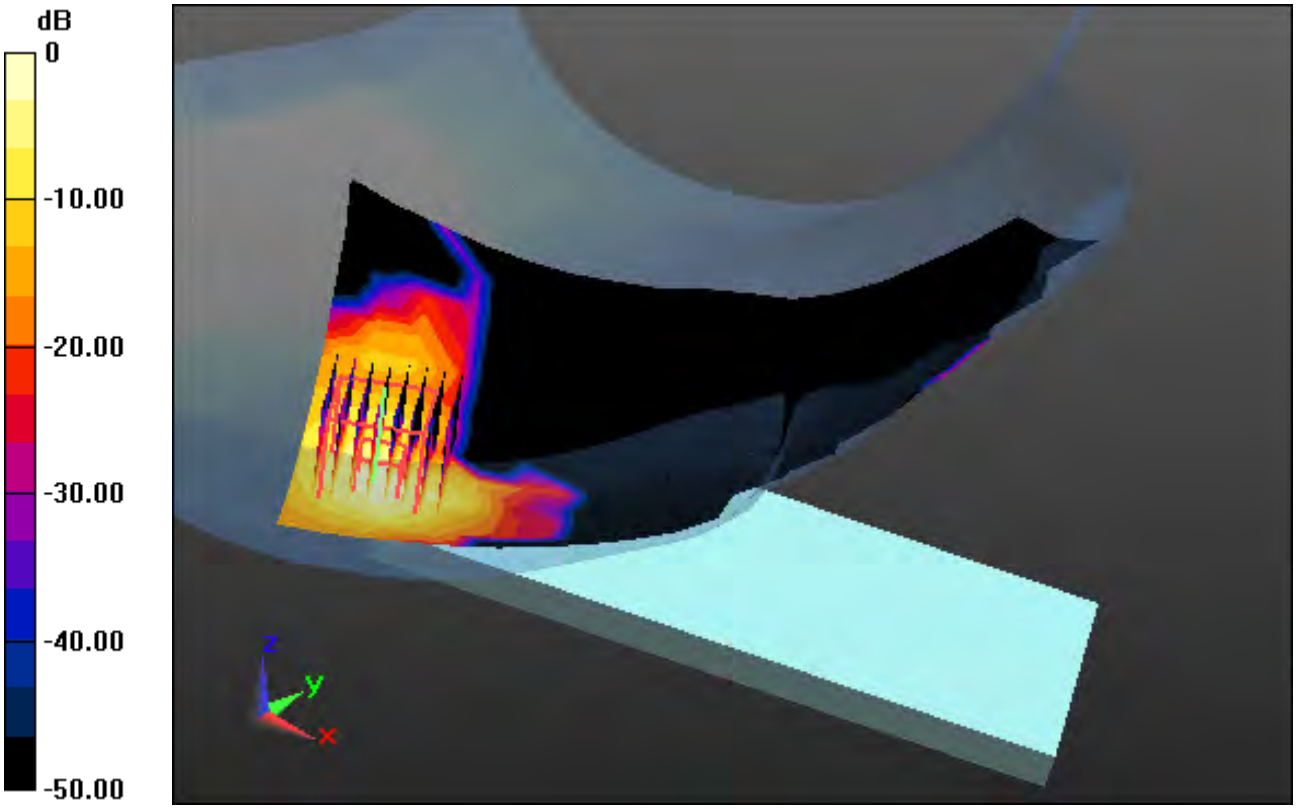
Communication System: UID 0, W-LAN 5G (0); Frequency: 5745 MHz;Duty Cycle: 1:1
Medium parameters used: f = 5745 MHz; σ = 5.216 S/m; ε_r = 34.8; ρ = 1000 kg/m^3
Phantom section: Right Section

DASY5 Configuration:
Probe: EX3DV4 - SN3916; ConvF(4.94, 4.94, 4.94); Calibrated: 4/25/2018; Electronics: DAE4 Sn1391
Sensor-Surface: 1.4mm (Mechanical Surface Detection)
Phantom: SAM with CRP v5.0; Type: QD000P40CD; Serial: TP:1837
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

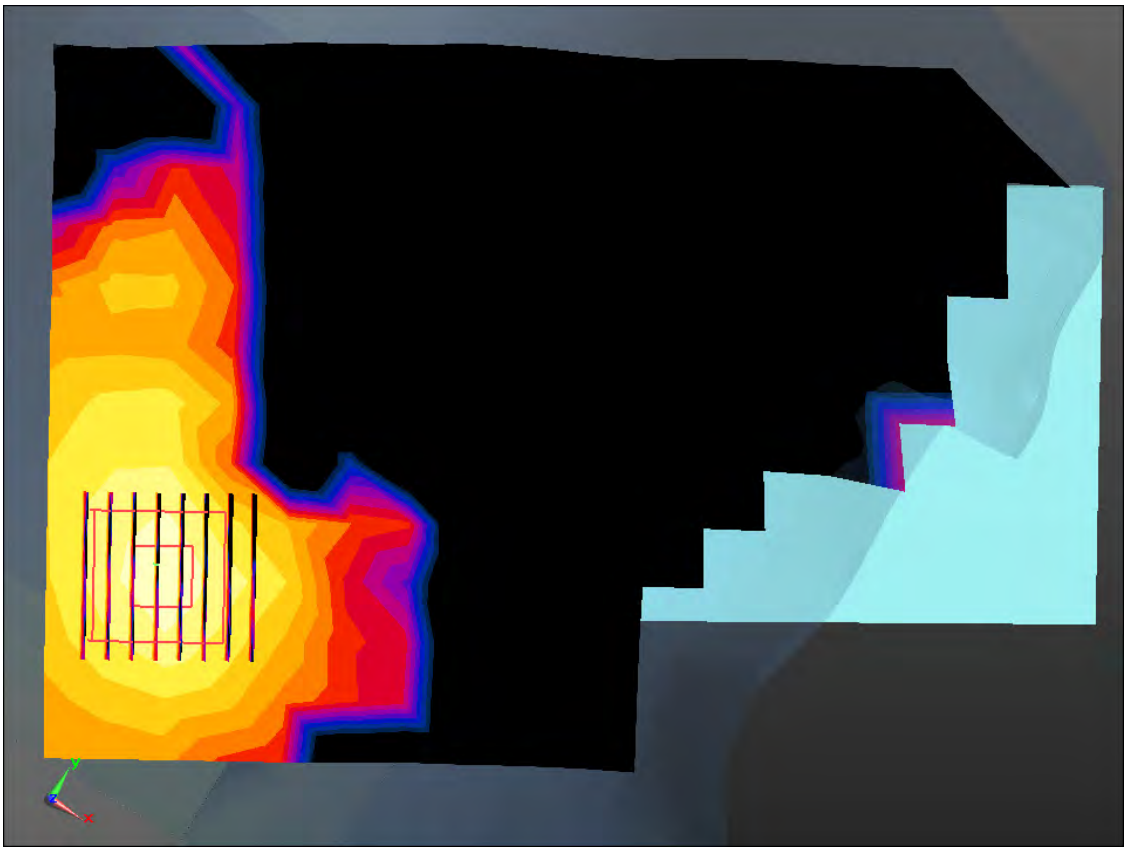
Test Date: 2019-03-28; Ambient Temp: 20.5; Tissue Temp: 20.7

Right Tilt, WLAN(802.11a) Ch. 149, 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 = 0.05 dB
Peak SAR (extrapolated) = 1.78 W/kg
SAR(1 g) = 0.390 W/kg; SAR(10 g) = 0.113 W/kg



0 dB = 1.02 W/kg



Enlarged Plot for A16

DUT: LM-X525BAW; Type: Bar

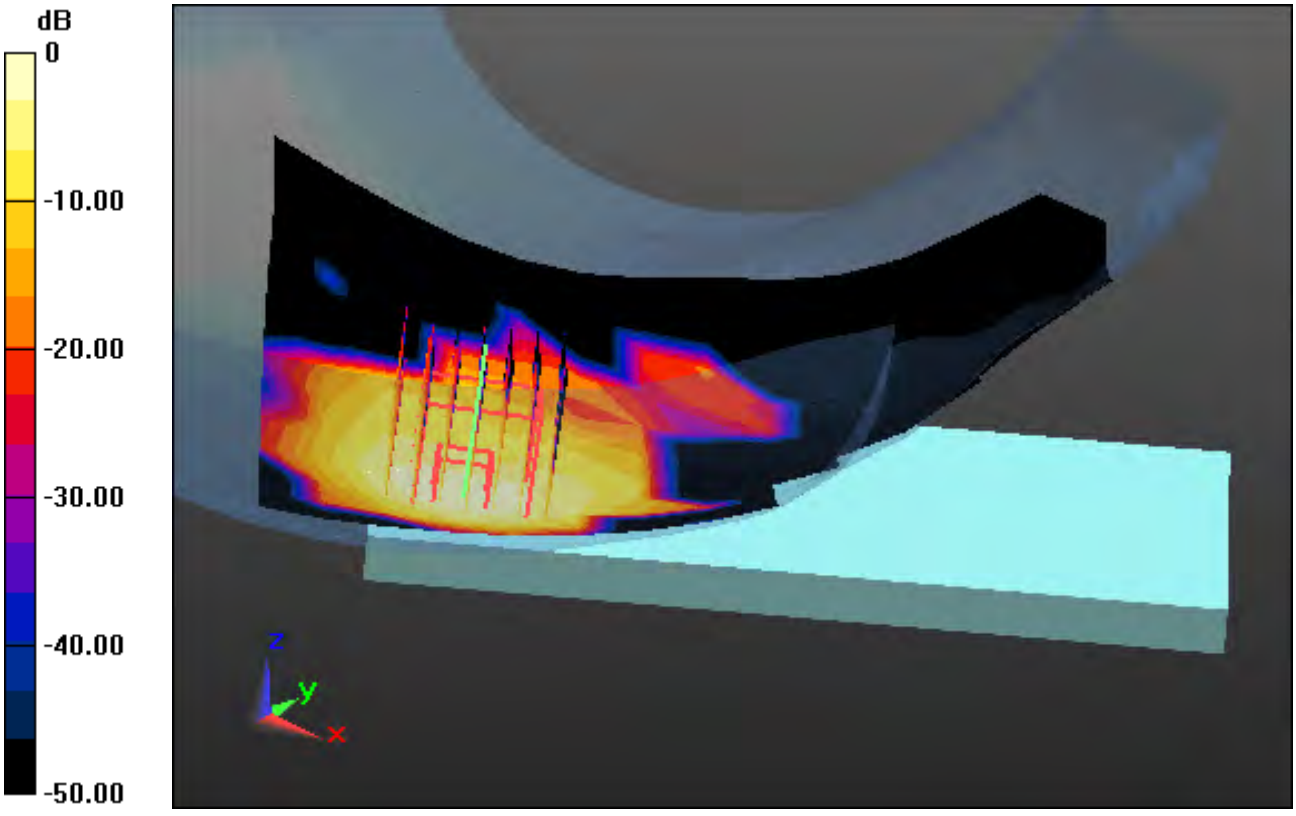
Communication System: UID 0, Bluetooth (0); Frequency: 2441 MHz;Duty Cycle: 1:1.302
Medium parameters used: f = 2441 MHz; σ = 1.805 S/m; ε_r = 39.966; ρ = 1000 kg/m^3
Phantom section: Right Section

DASY5 Configuration:
Probe: EX3DV4 - SN3933; ConvF(7.61, 7.61, 7.61); 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)

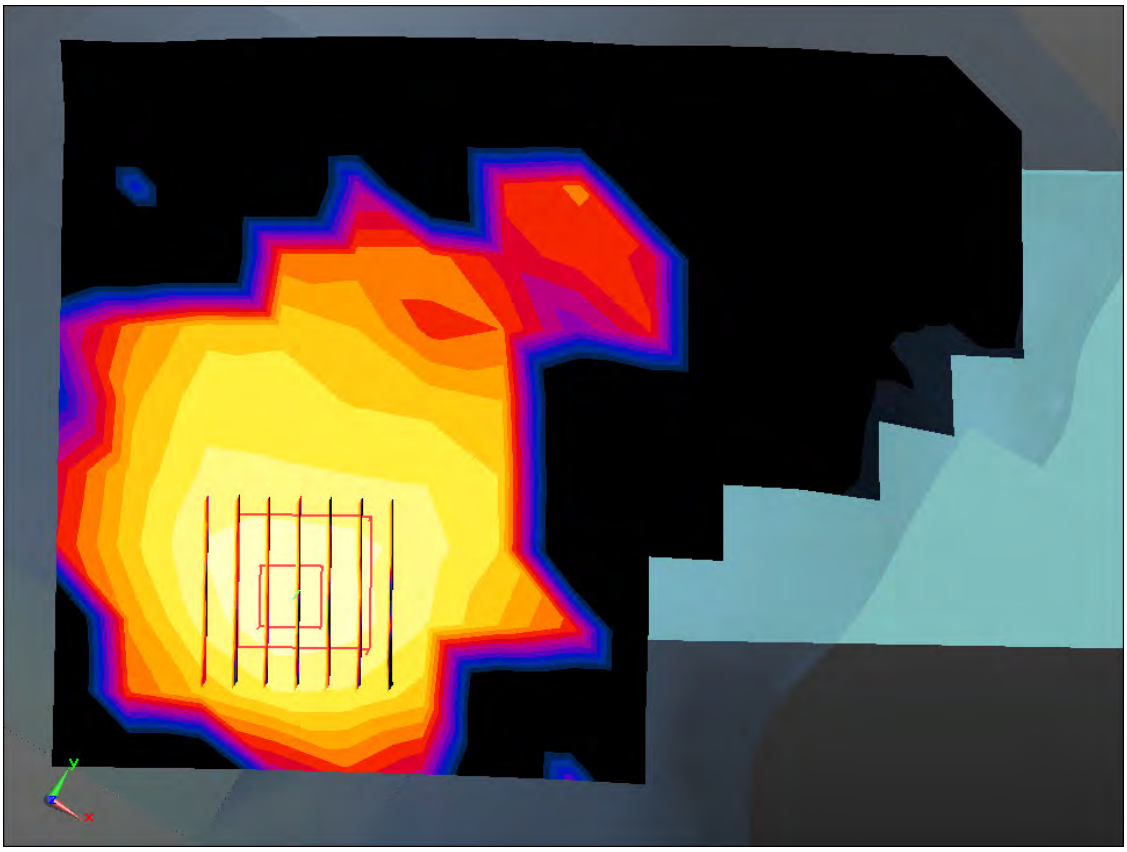
Test Date: 2019-03-14; Ambient Temp: 20.2; Tissue Temp: 21.1

Right Touch, Bluetooth BDR 1M 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 = 0.06 dB
Peak SAR (extrapolated) = 0.215 W/kg
SAR(1 g) = 0.091 W/kg; SAR(10 g) = 0.039 W/kg



0 dB = 0.147 W/kg



Enlarged Plot for A17

DT&C Co., Ltd.

DUT: LM-X525BAW; Type: Bar

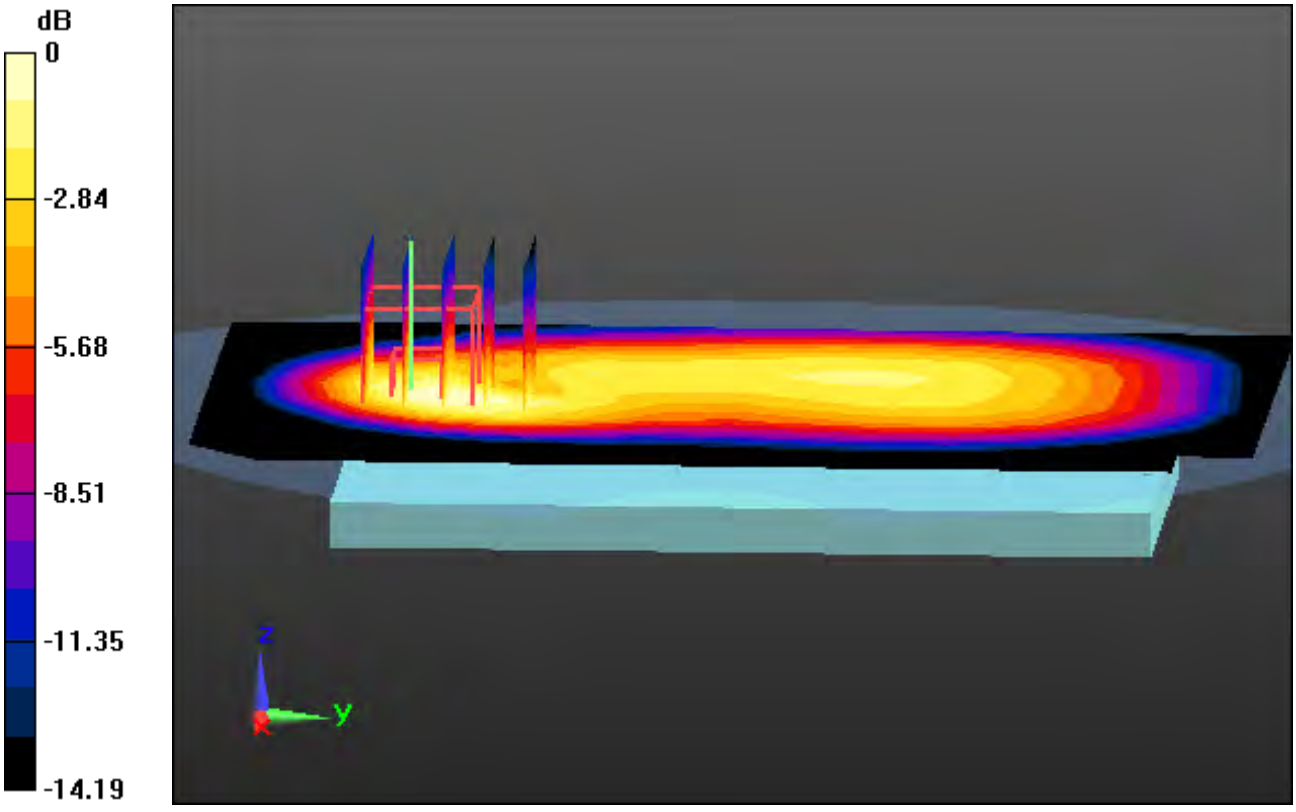
Communication System: UID 0, GSM 850 (0); Frequency: 836.6 MHz;Duty Cycle: 1:8.3
Medium parameters used: f = 836.6 MHz; σ = 0.992 S/m; ε_r = 54.655; ρ = 1000 kg/m^3
Phantom section: Flat Section

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)

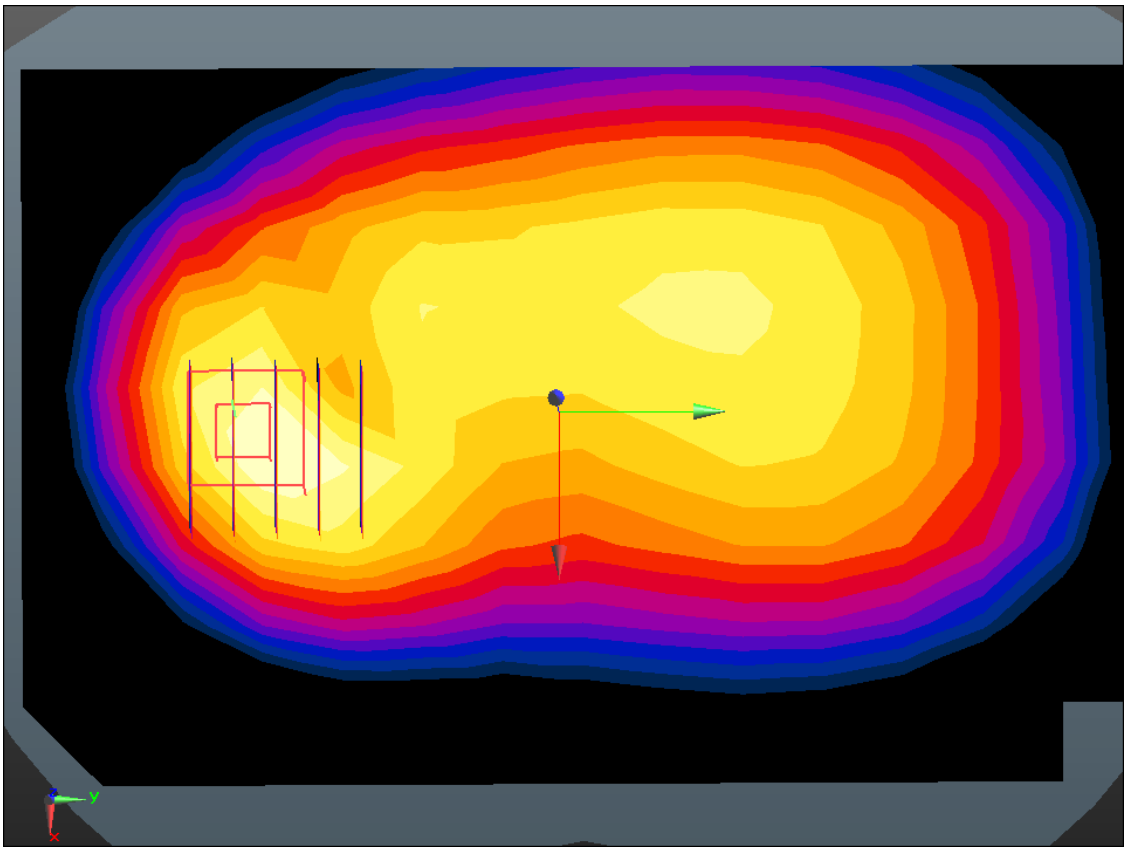
Test Date: 2019-03-07; Ambient Temp: 20.5; Tissue Temp: 21.0

1 cm space form 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 = 0.02 dB
Peak SAR (extrapolated) = 0.809 W/kg
SAR(1 g) = 0.481 W/kg; SAR(10 g) = 0.285 W/kg



0 dB = 0.647 W/kg



Enlarged Plot for A18

DT&C Co., Ltd.

DUT: LM-X525BAW; Type: Bar

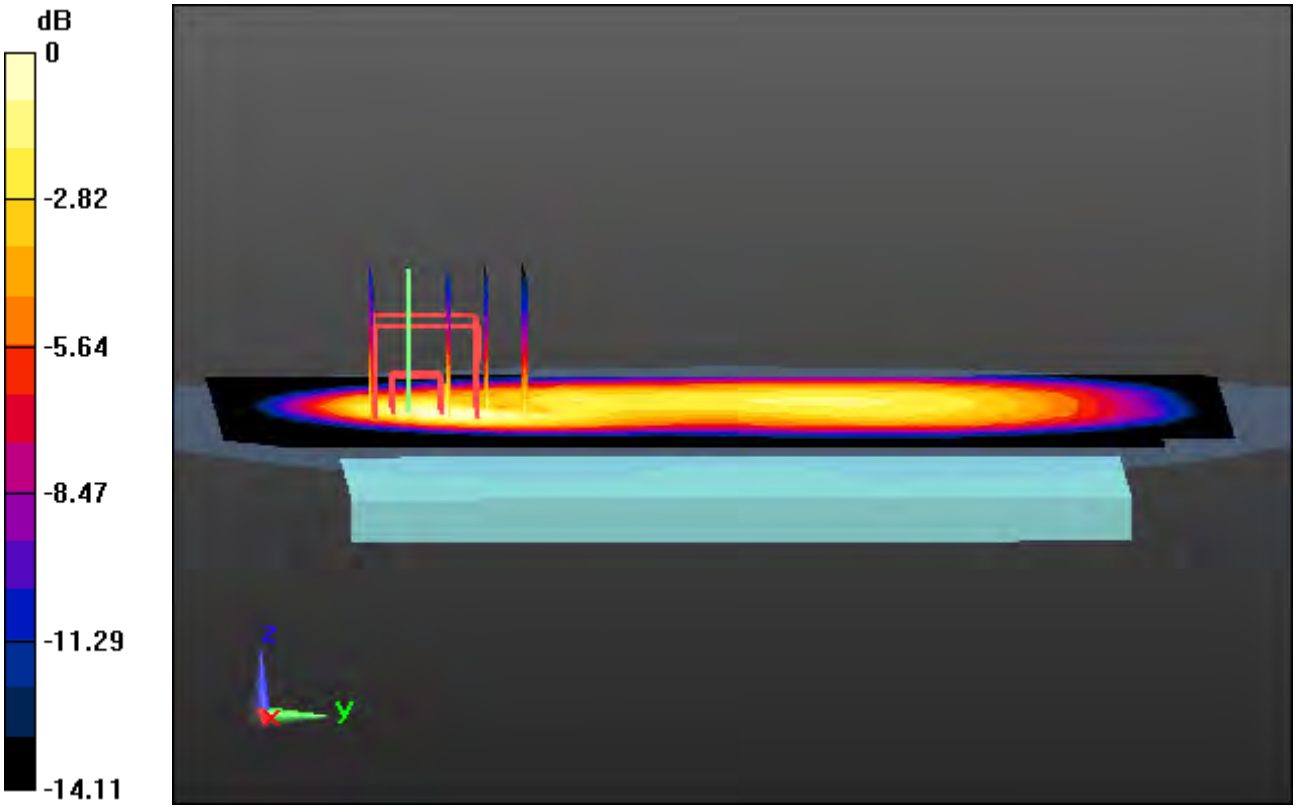
Communication System: UID 0, GSM 850_12 (0); Frequency: 836.6 MHz;Duty Cycle: 1:2.075
Medium parameters used: f = 836.6 MHz; σ = 0.992 S/m; ε_r = 54.655; ρ = 1000 kg/m^3
Phantom section: Flat Section

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)

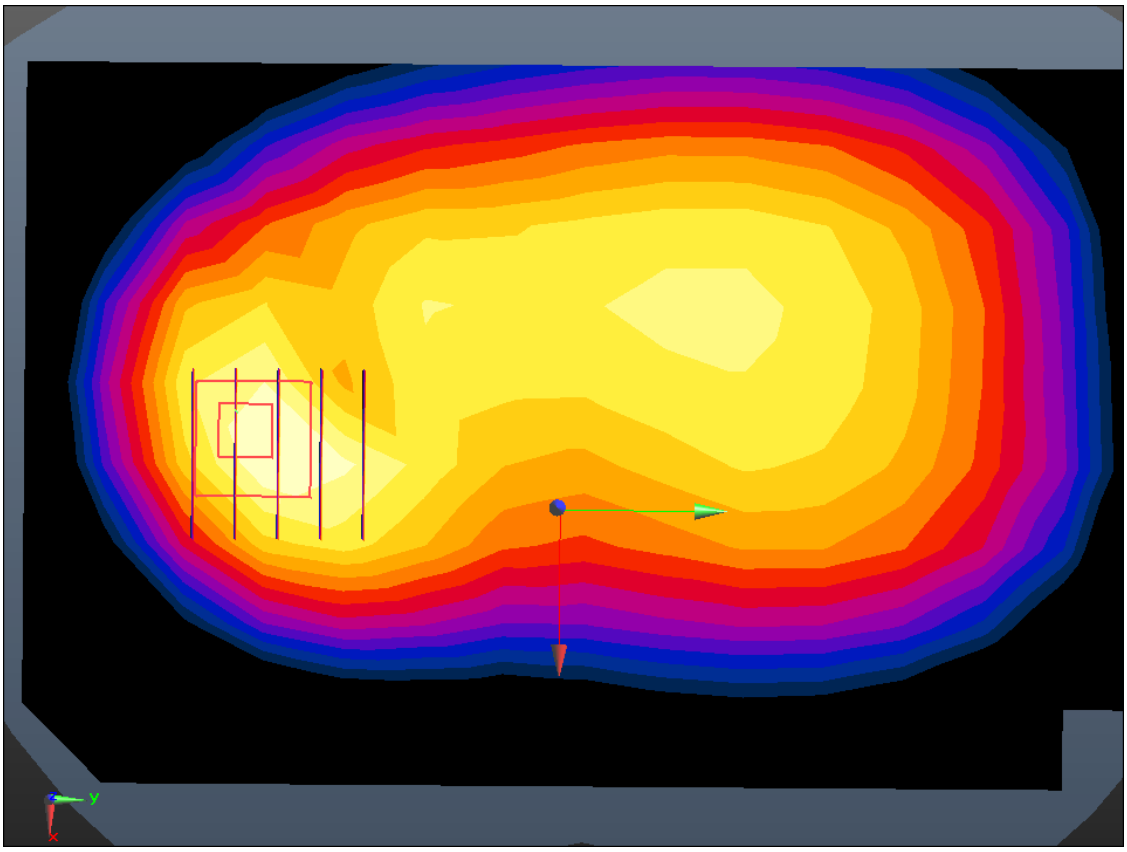
Test Date: 2019-03-07; Ambient Temp: 20.5; Tissue Temp: 21.0

1 cm space form 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) = 0.943 W/kg
SAR(1 g) = 0.560 W/kg; SAR(10 g) = 0.332 W/kg



0 dB = 0.751 W/kg



Enlarged Plot for A19

DT&C Co., Ltd.

DUT: LM-X525BAW; Type: Bar

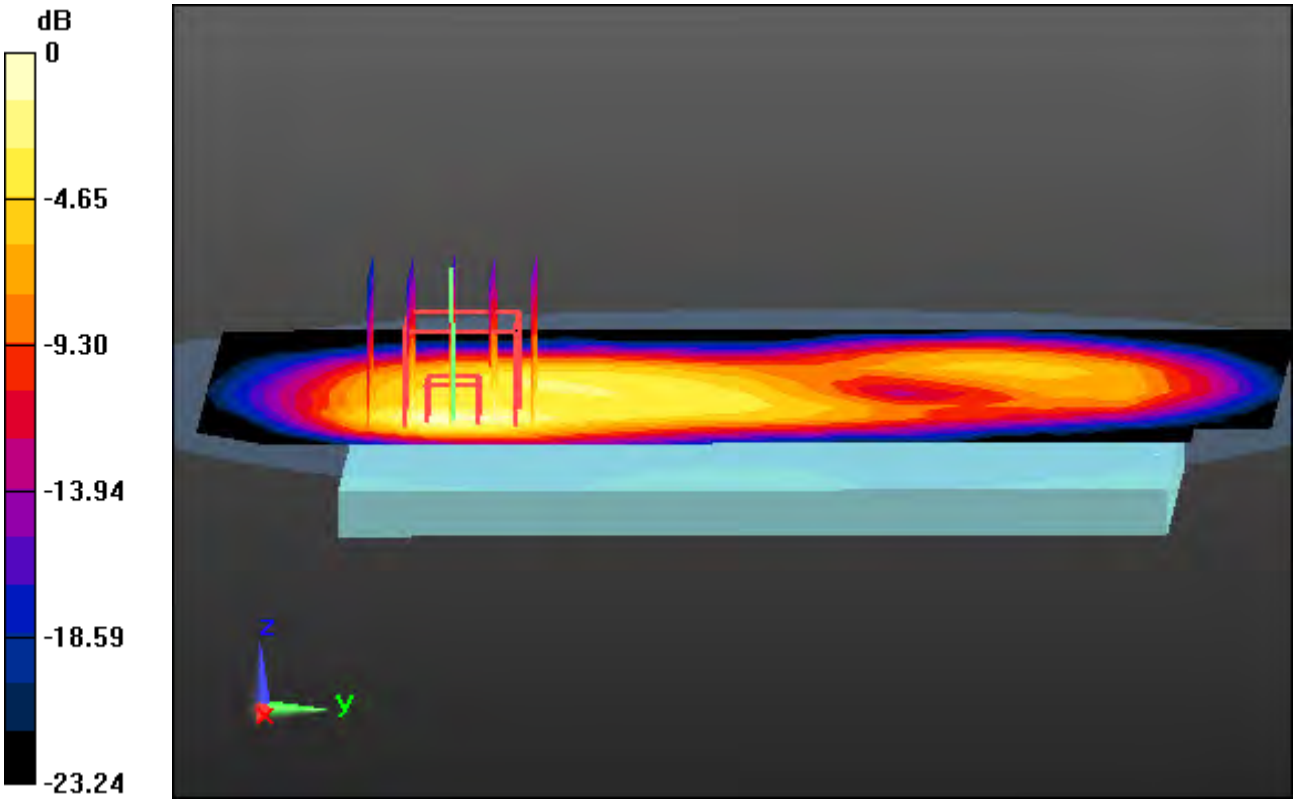
Communication System: UID 0, PCS 1900 (0); Frequency: 1880 MHz;Duty Cycle: 1:8.3
Medium parameters used: f = 1880 MHz; σ = 1.509 S/m; ε_r = 55.115; ρ = 1000 kg/m^3
Phantom section: Flat Section

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)

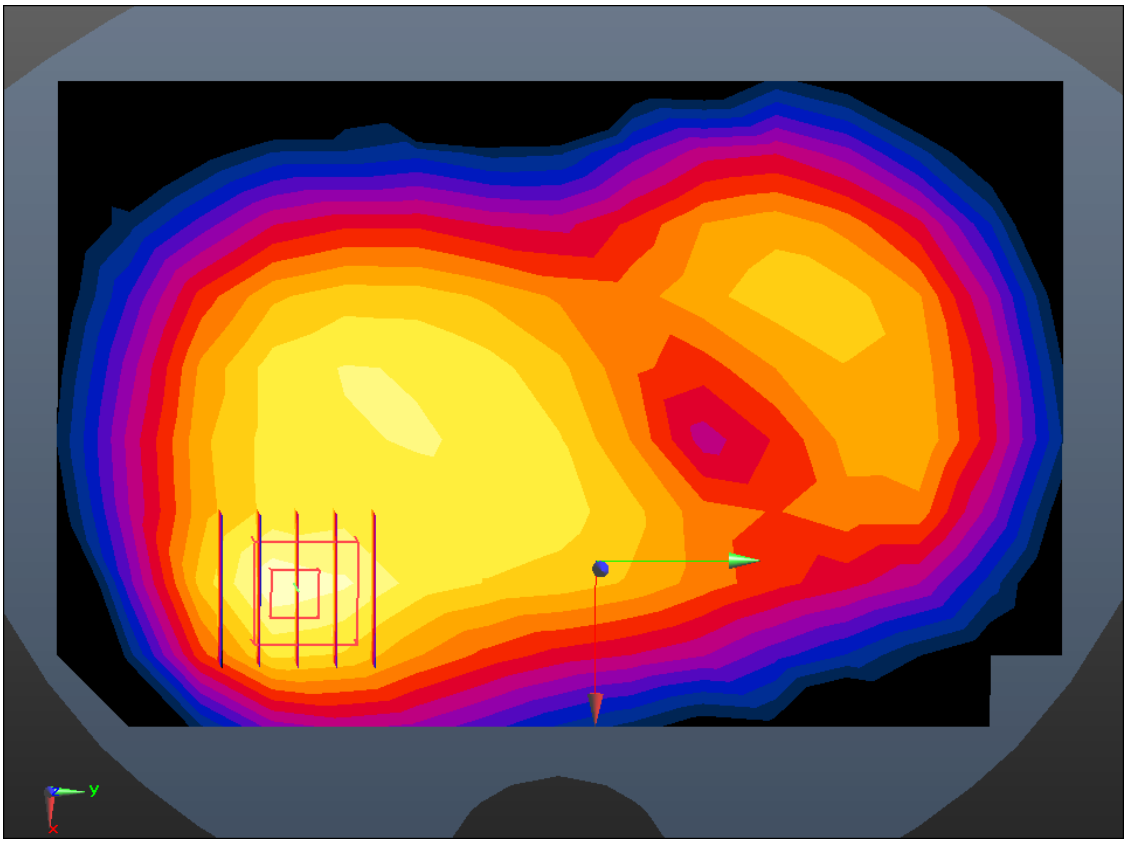
Test Date: 2019-03-08; Ambient Temp: 20.6; Tissue Temp: 21.1

1 cm space form 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 = -0.03 dB
Peak SAR (extrapolated) = 0.583 W/kg
SAR(1 g) = 0.314 W/kg; SAR(10 g) = 0.162 W/kg



0 dB = 0.445 W/kg



Enlarged Plot for A20

DT&C Co., Ltd.

DUT: LM-X525BAW; Type: Bar

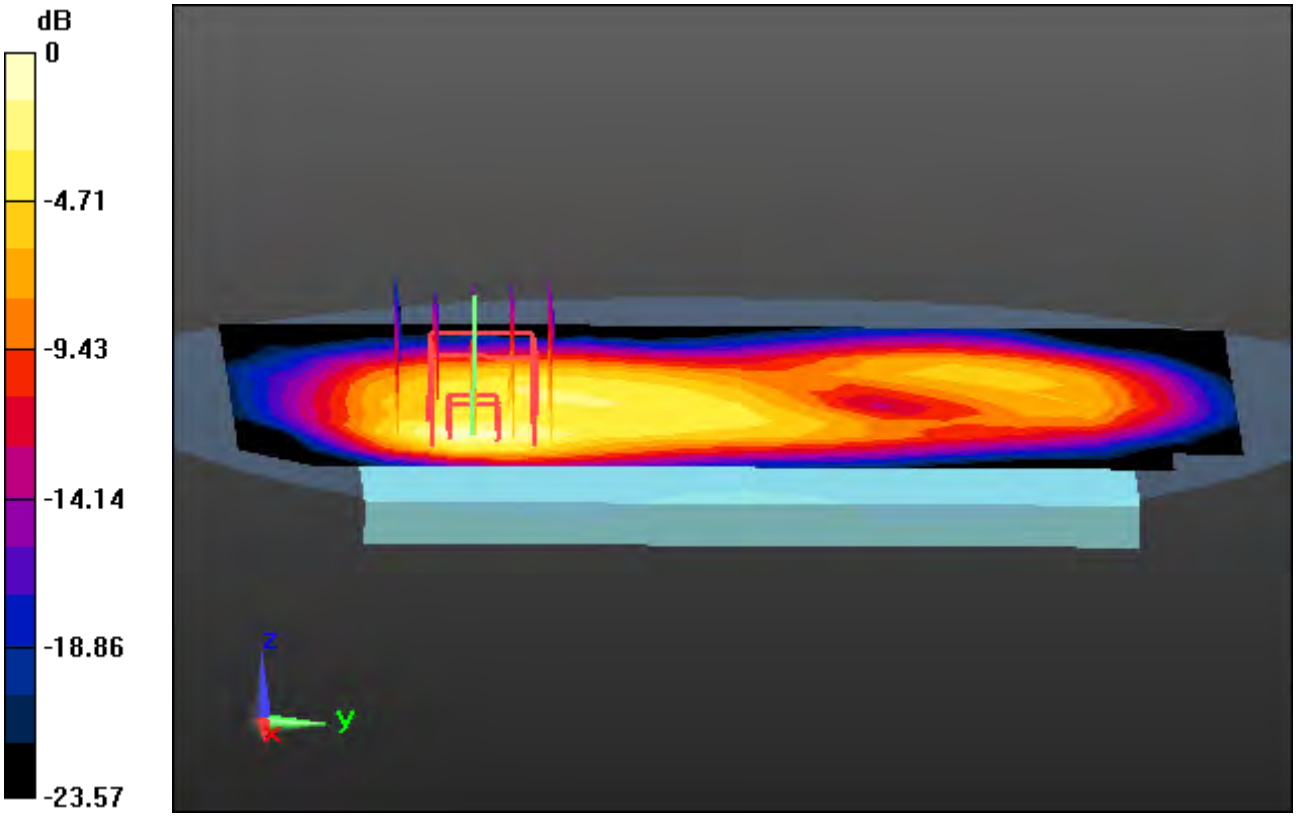
Communication System: UID 0, PCS1900_Class 12 (0); Frequency: 1880 MHz;Duty Cycle: 1:2.075
Medium parameters used: f = 1880 MHz; σ = 1.509 S/m; ε_r = 55.115; ρ = 1000 kg/m^3
Phantom section: Flat Section

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)

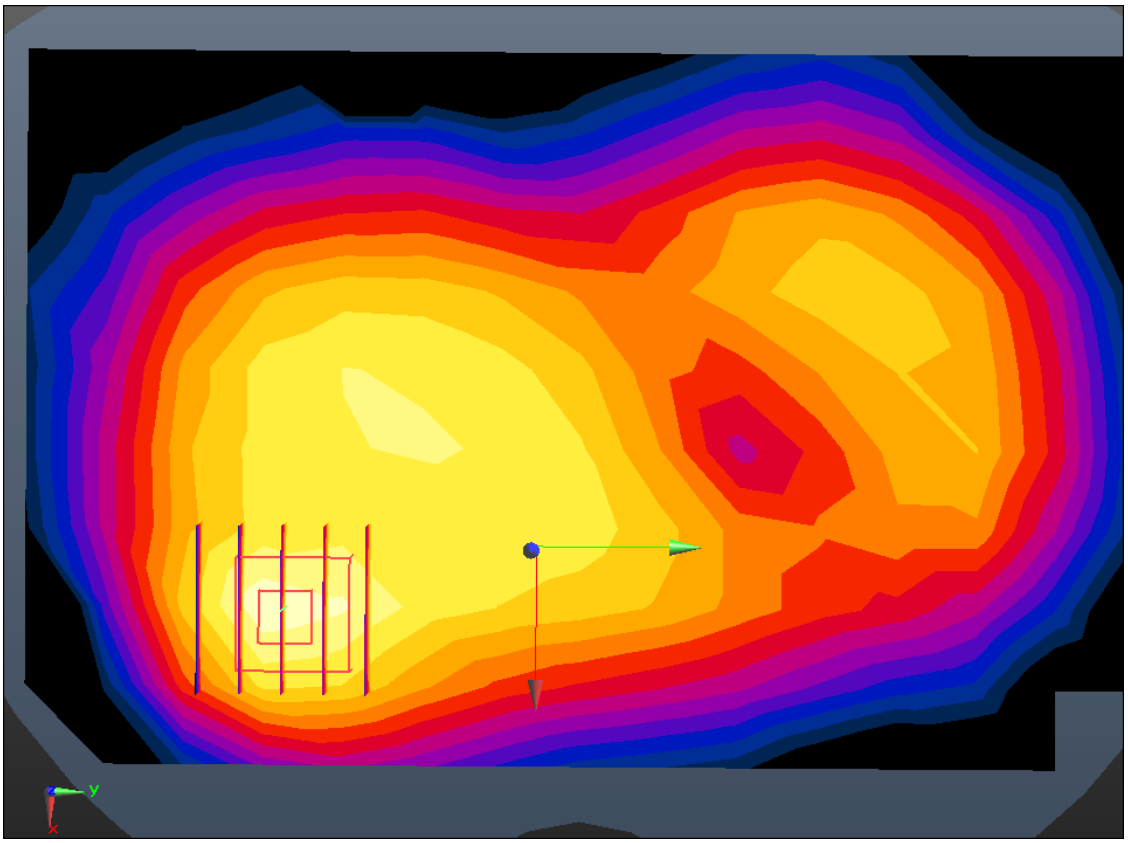
Test Date: 2019-03-08; Ambient Temp: 20.6; Tissue Temp: 21.1

1 cm space form 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 = 0.01 dB
Peak SAR (extrapolated) = 0.780 W/kg
SAR(1 g) = 0.425 W/kg; SAR(10 g) = 0.220 W/kg



0 dB = 0.599 W/kg



Enlarged Plot for A21

DT&C Co., Ltd.

DUT: LM-X525BAW; Type: Bar

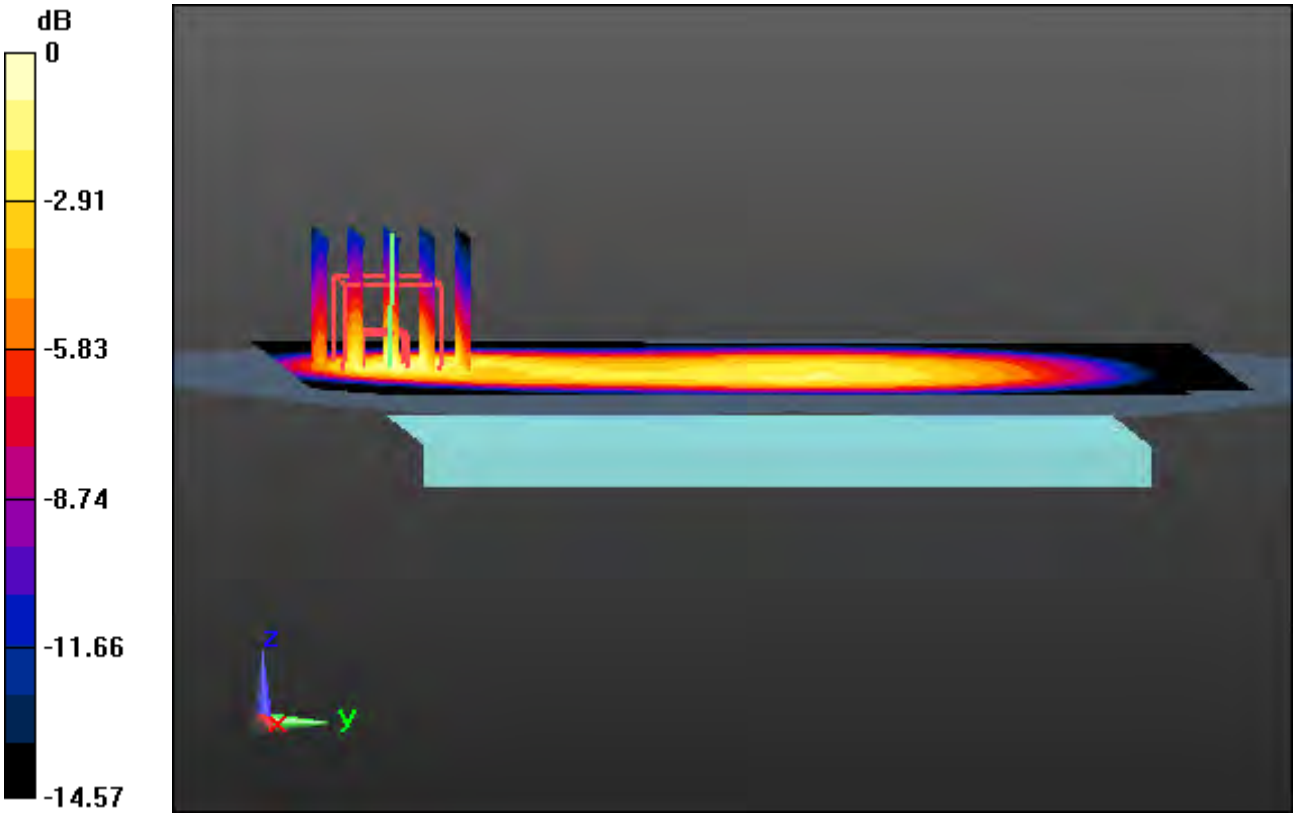
Communication System: UID 0, WCDMA 850 (0); Frequency: 836.6 MHz;Duty Cycle: 1:1
Medium parameters used: f = 836.6 MHz; σ = 0.991 S/m; ε_r = 54.589; ρ = 1000 kg/m^3
Phantom section: Flat Section

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)

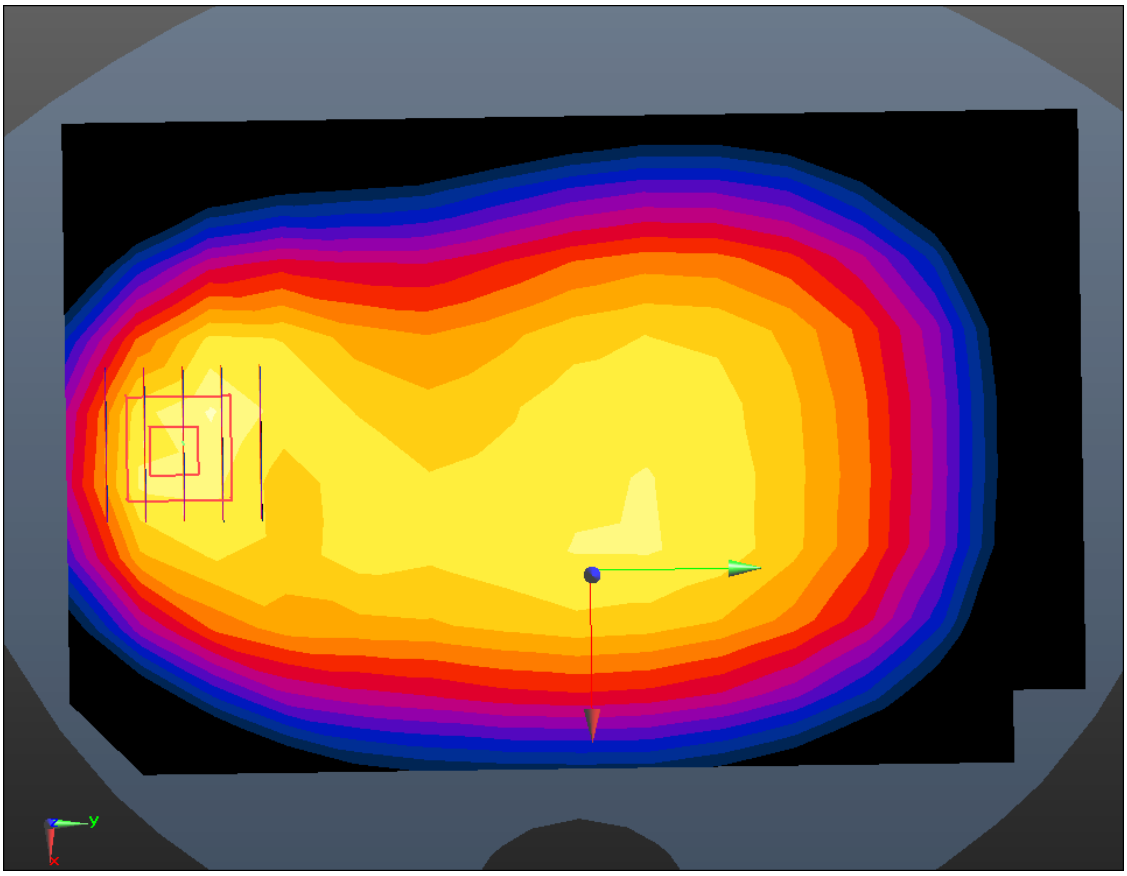
Test Date: 2019-03-13; Ambient Temp: 20.1; Tissue Temp: 21.0

1 cm space form Body, Front, 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 = 0.10 dB
Peak SAR (extrapolated) = 0.781 W/kg
SAR(1 g) = 0.451 W/kg; SAR(10 g) = 0.259 W/kg



0 dB = 0.627 W/kg



Enlarged Plot for A22

DUT: LM-X525BAW; Type: Bar

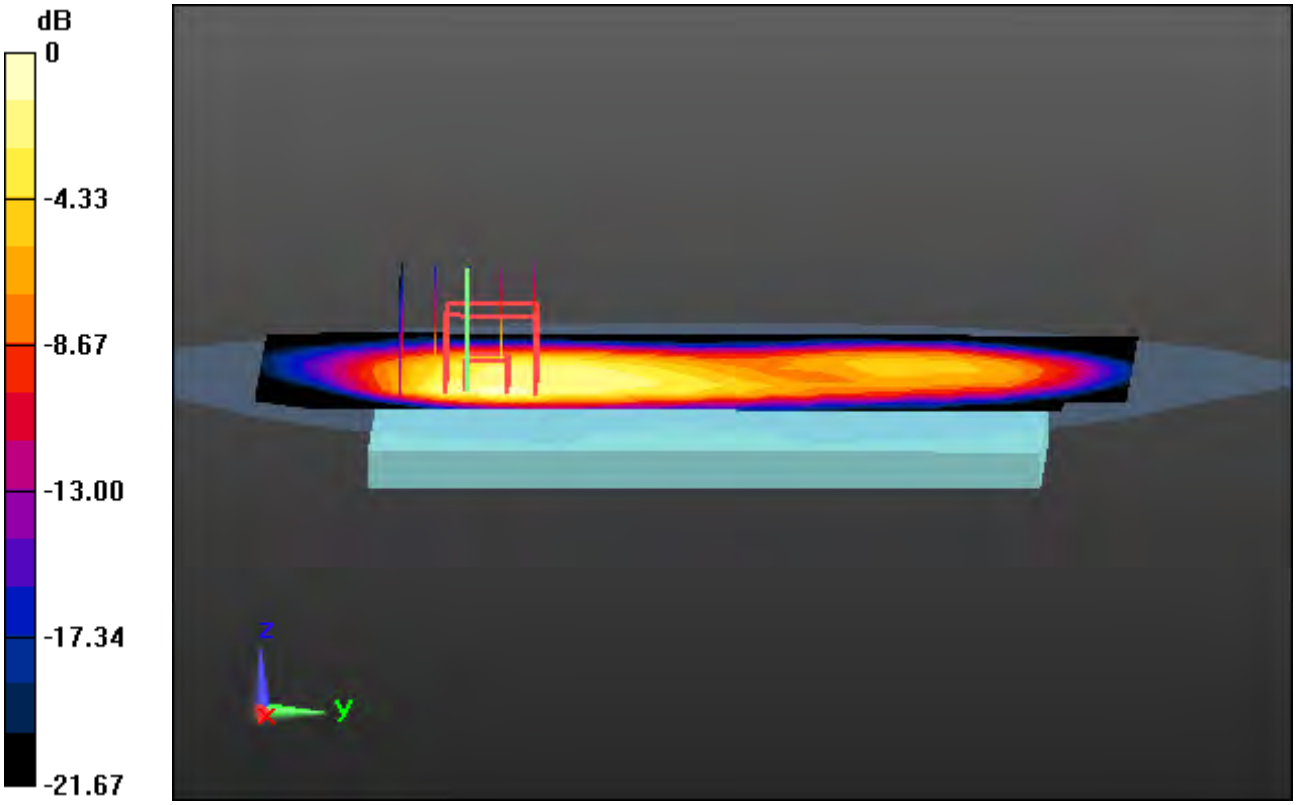
Communication System: UID 0, WCDMA Band 4 (0); Frequency: 1732.4 MHz;Duty Cycle: 1:1
Medium parameters used: f = 1732.4 MHz; σ = 1.467 S/m; ε_r = 54.507; ρ = 1000 kg/m^3
Phantom section: Flat Section

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)

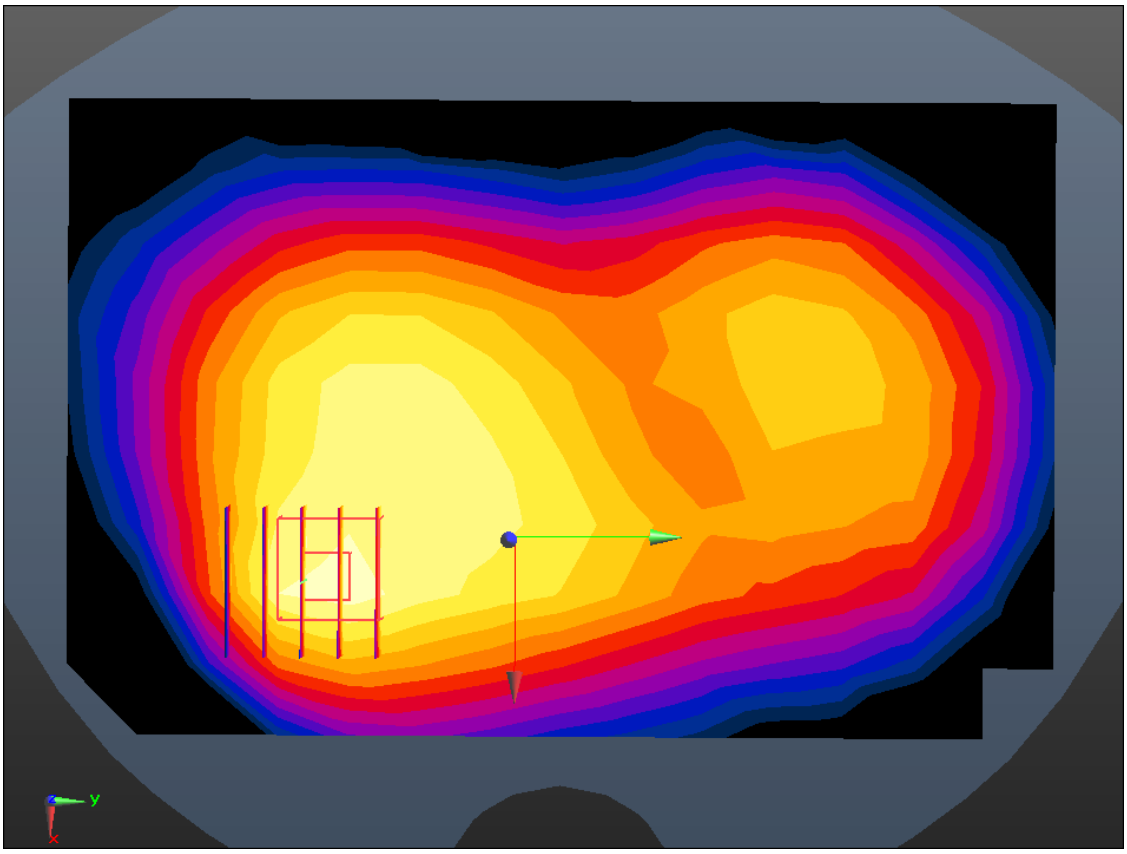
Test Date: 2019-03-12; Ambient Temp: 20.2; Tissue Temp: 21.1

1 cm space form 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 = 0.02 dB
Peak SAR (extrapolated) = 0.816 W/kg
SAR(1 g) = 0.462 W/kg; SAR(10 g) = 0.261 W/kg



0 dB = 0.630 W/kg



Enlarged Plot for A23

DUT: LM-X525BAW; Type: Bar

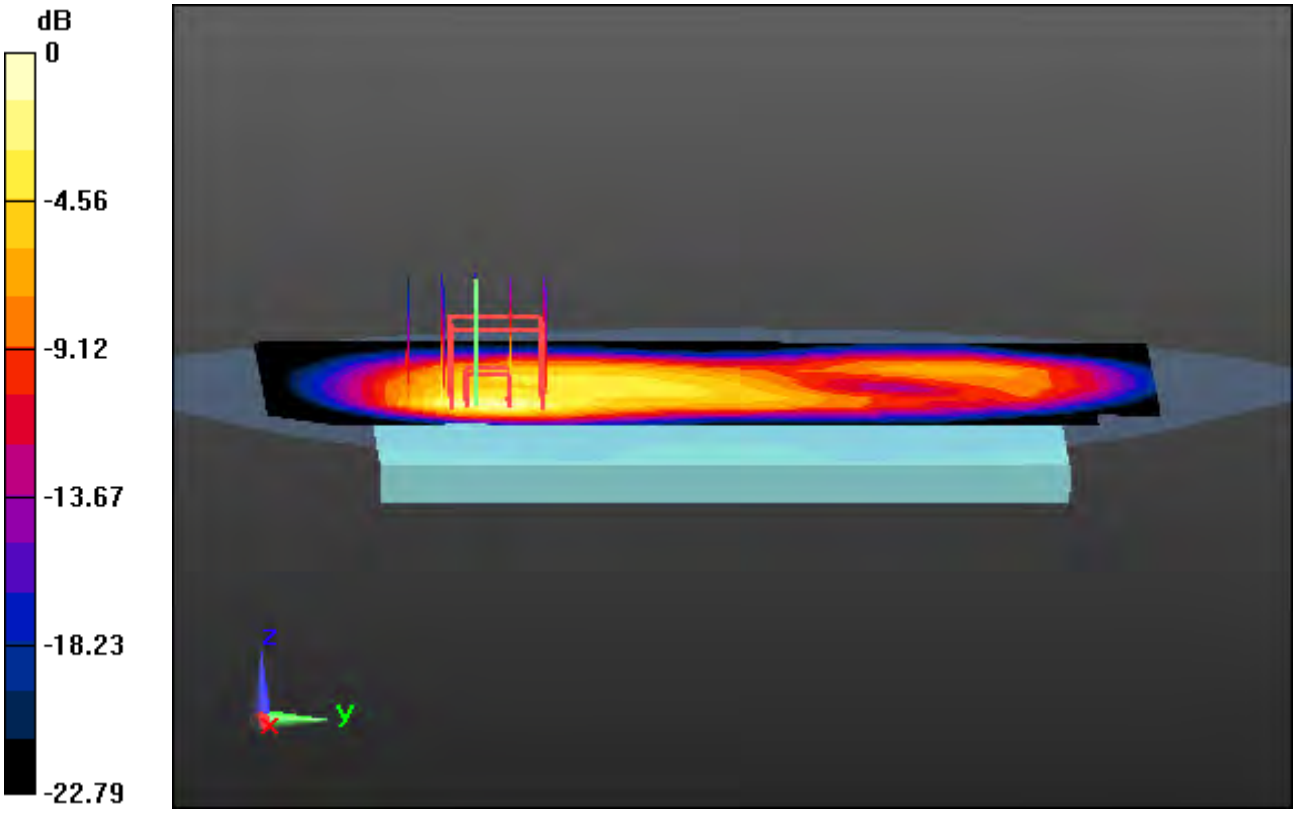
Communication System: UID 0, WCDMA 1900 (0); Frequency: 1907.6 MHz;Duty Cycle: 1:1
Medium parameters used: f = 1907.6 MHz; σ = 1.534 S/m; ε_r = 55.118; ρ = 1000 kg/m^3
Phantom section: Flat Section

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)

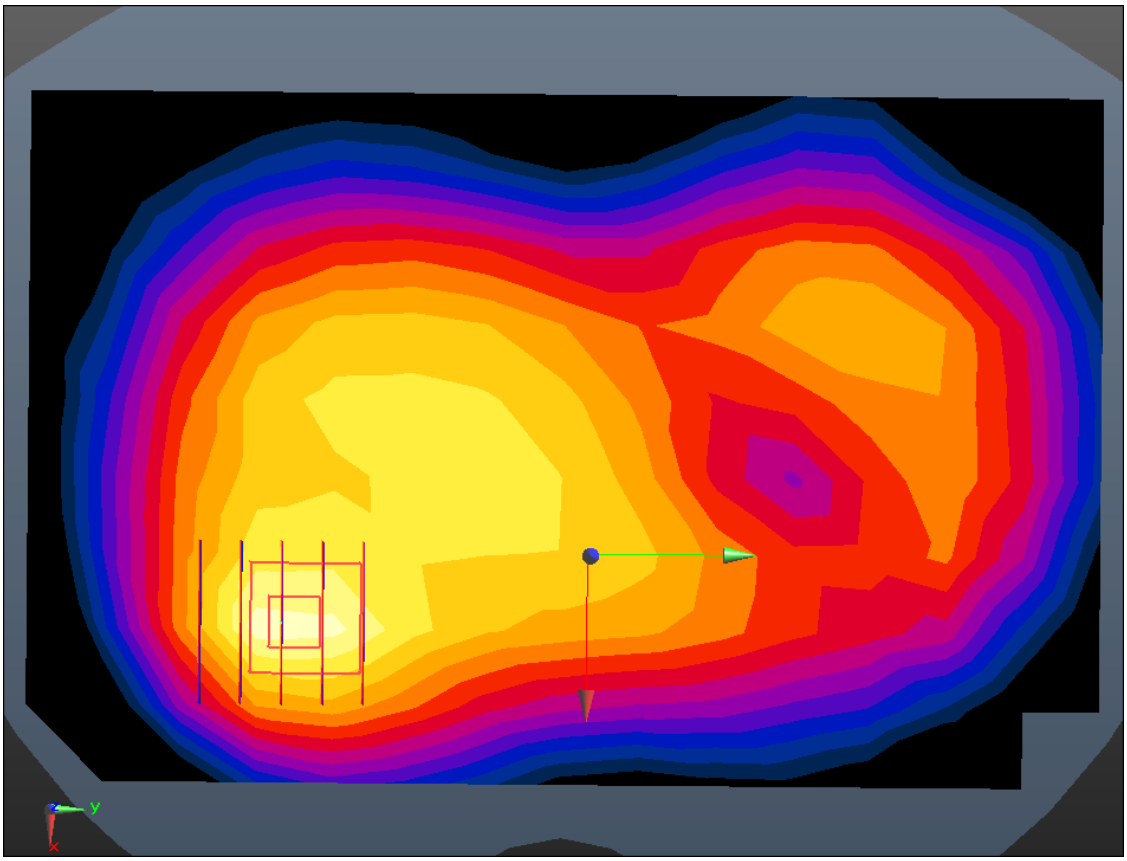
Test Date: 2019-03-11; Ambient Temp: 20.4; Tissue Temp: 21.0

1 cm space form Body, Rear, WCDMA Band 2 Ch. 9538, 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 = 0.10 dB
Peak SAR (extrapolated) = 1.59 W/kg
SAR(1 g) = 0.838 W/kg; SAR(10 g) = 0.428 W/kg



0 dB = 1.22 W/kg



Enlarged Plot for A24

DT&C Co., Ltd.

DUT: LM-X525BAW; 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 = 0.932 S/m; ε_r = 56.288; ρ = 1000 kg/m^3
Phantom section: Flat Section

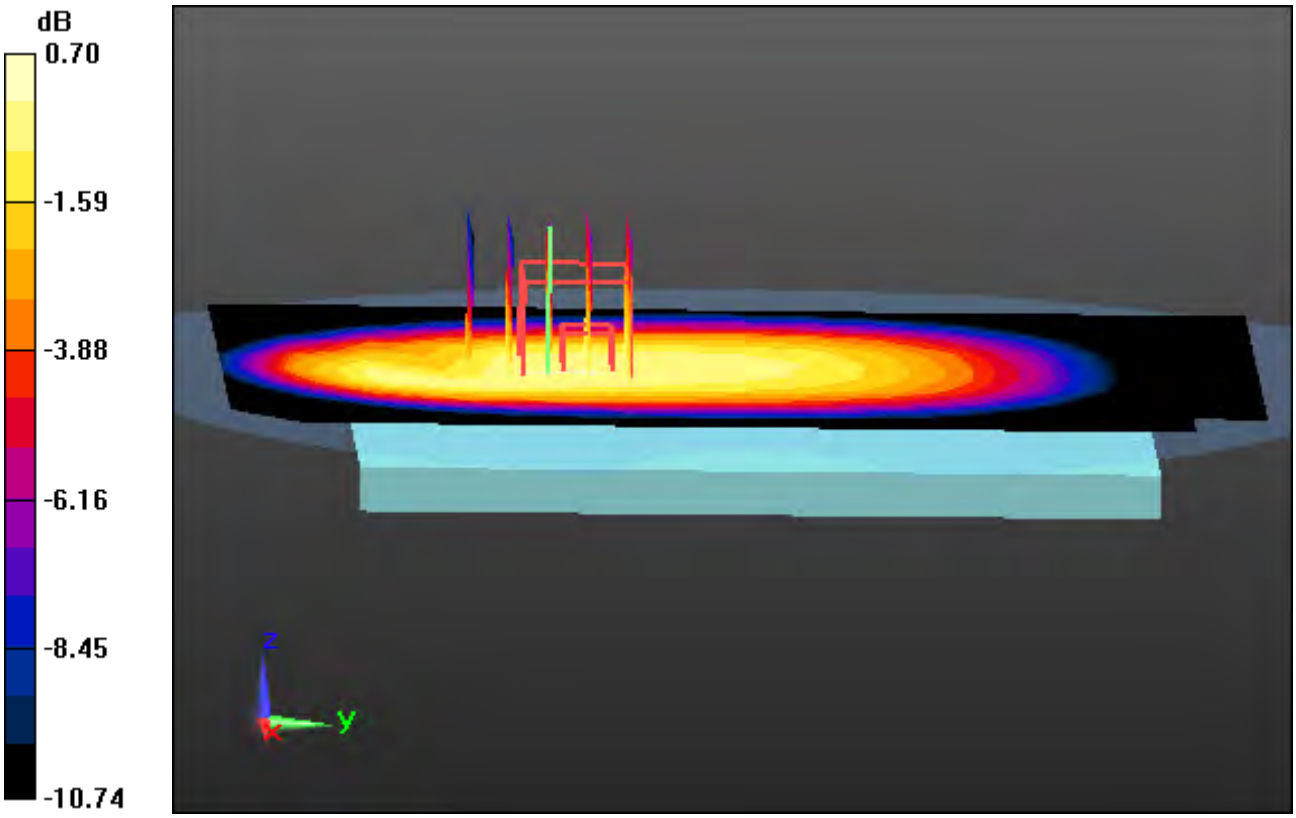
DASY5 Configuration:
Probe: EX3DV4 - SN3933; ConvF(10.43, 10.43, 10.43); Calibrated: 9/25/2018; Electronics: DAE4 Sn1396
Sensor-Surface: 2mm (Mechanical Surface Detection)
Phantom: SAM with CRP_2016_07_22_middle; Type: QD000P40CD; Serial: TP:1786
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version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

Test Date: 2019-03-06; Ambient Temp: 20.4; Tissue Temp: 21.0

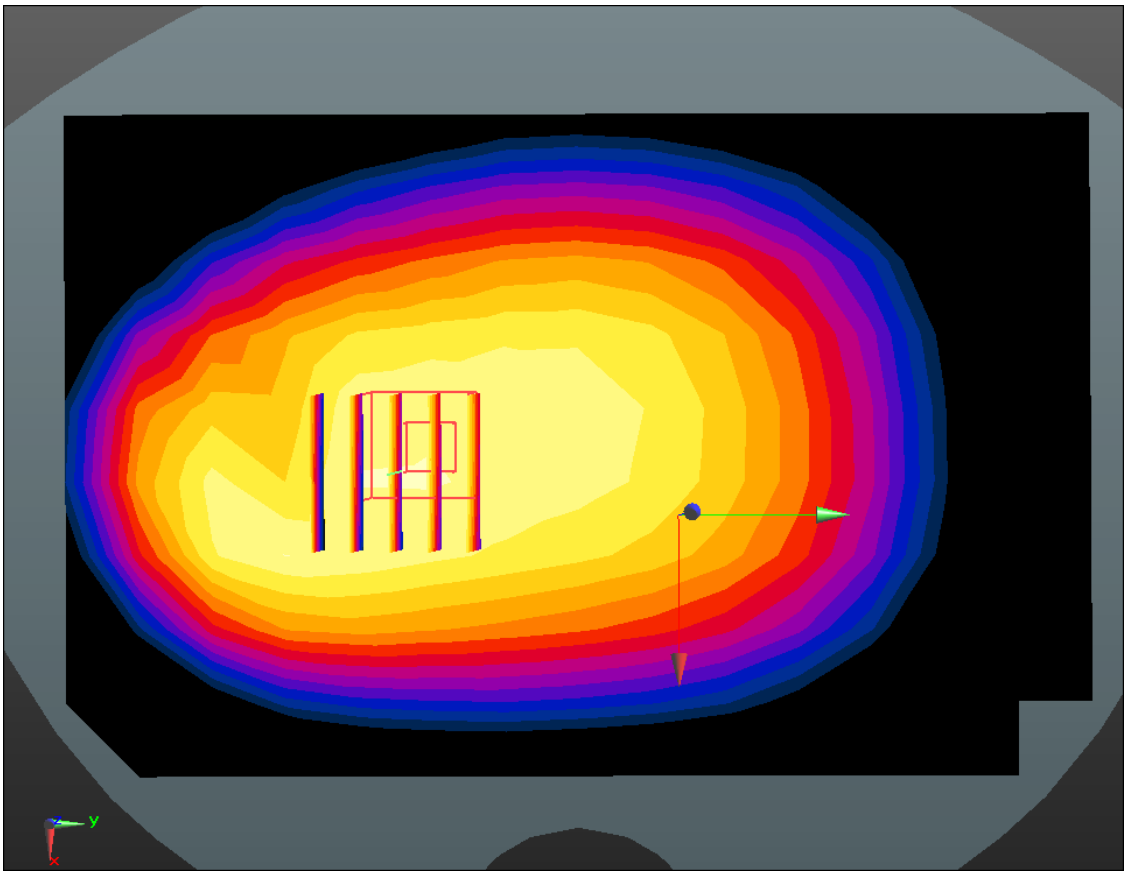
1 cm space from Body, Rear, LTE Band 12 Ch. 23095, Ant Internal

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 = -0.05 dB
Peak SAR (extrapolated) = 0.473 W/kg
SAR(1 g) = 0.358 W/kg; SAR(10 g) = 0.278 W/kg



0 dB = 0.407 W/kg



Enlarged Plot for A25

DT&C Co., Ltd.

DUT: LM-X525BAW; 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 = 0.99 S/m; ε_r = 54.516; ρ = 1000 kg/m^3
Phantom section: Flat Section

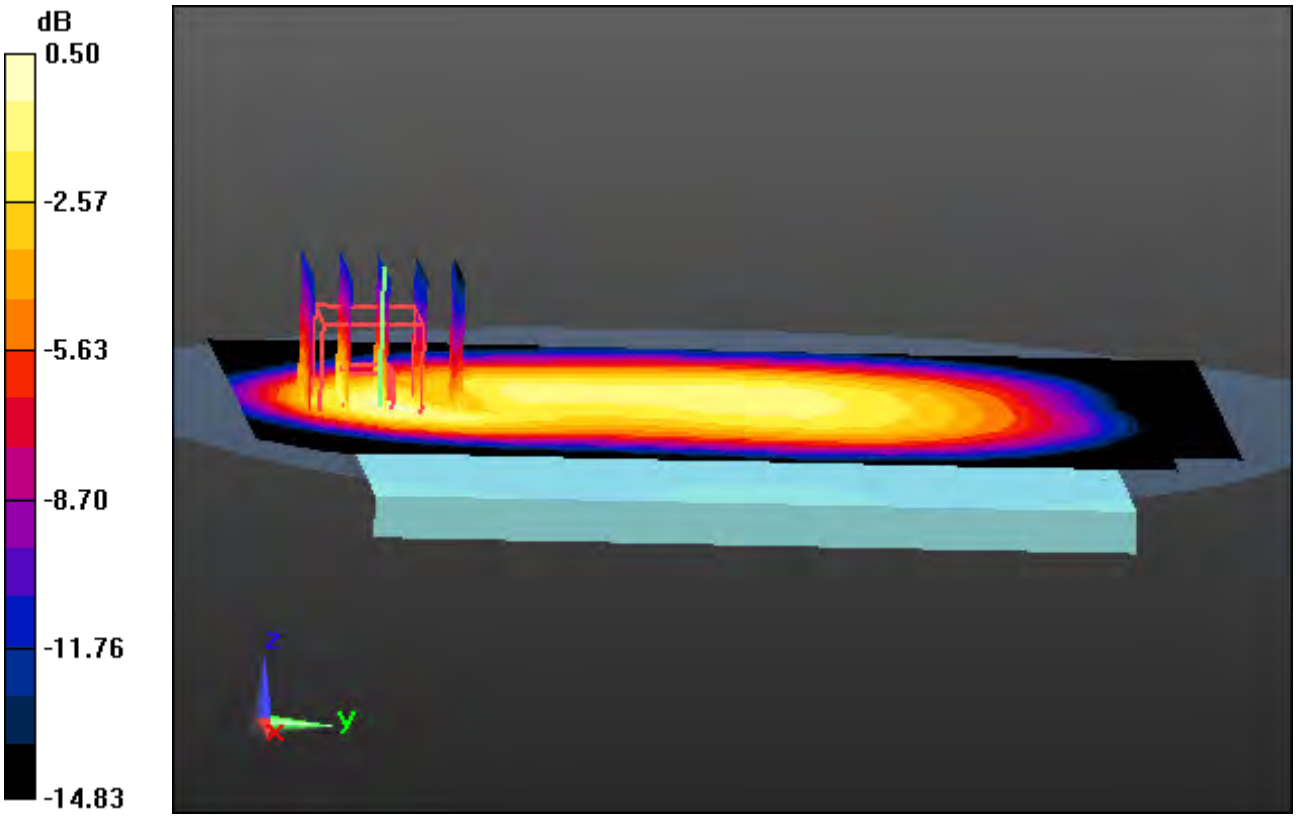
DASY5 Configuration:
Probe: EX3DV4 - SN3933; ConvF(10.27, 10.27, 10.27); Calibrated: 9/25/2018; Electronics: DAE4 Sn1396
Sensor-Surface: 2mm (Mechanical Surface Detection)
Phantom: SAM with CRP_2016_07_22_middle; Type: QD000P40CD; Serial: TP:1786
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version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

Test Date: 2019-03-04; Ambient Temp: 20.5; Tissue Temp: 20.8

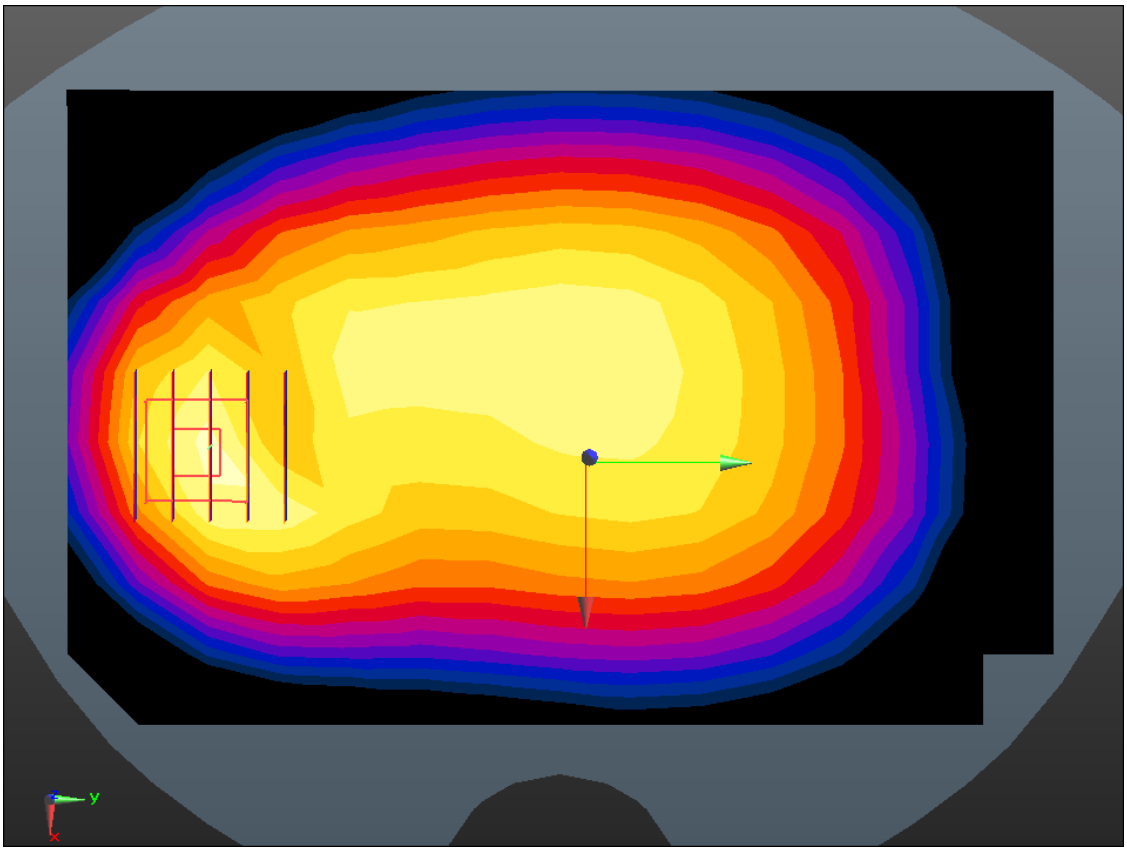
1 cm space from Body, Rear, LTE Band 5 Ch. 20525, Ant Internal

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) = 0.673 W/kg
SAR(1 g) = 0.398 W/kg; SAR(10 g) = 0.232 W/kg



0 dB = 0.530 W/kg



Enlarged Plot for A26

DT&C Co., Ltd.

DUT: LM-X525BAW; Type: Bar

Communication System: UID 0, LTE Band 66 (0); Frequency: 1720 MHz;Duty Cycle: 1:1
Medium parameters used: f = 1720 MHz; σ = 1.464 S/m; ε_r = 55.53; ρ = 1000 kg/m^3
Phantom section: Flat Section

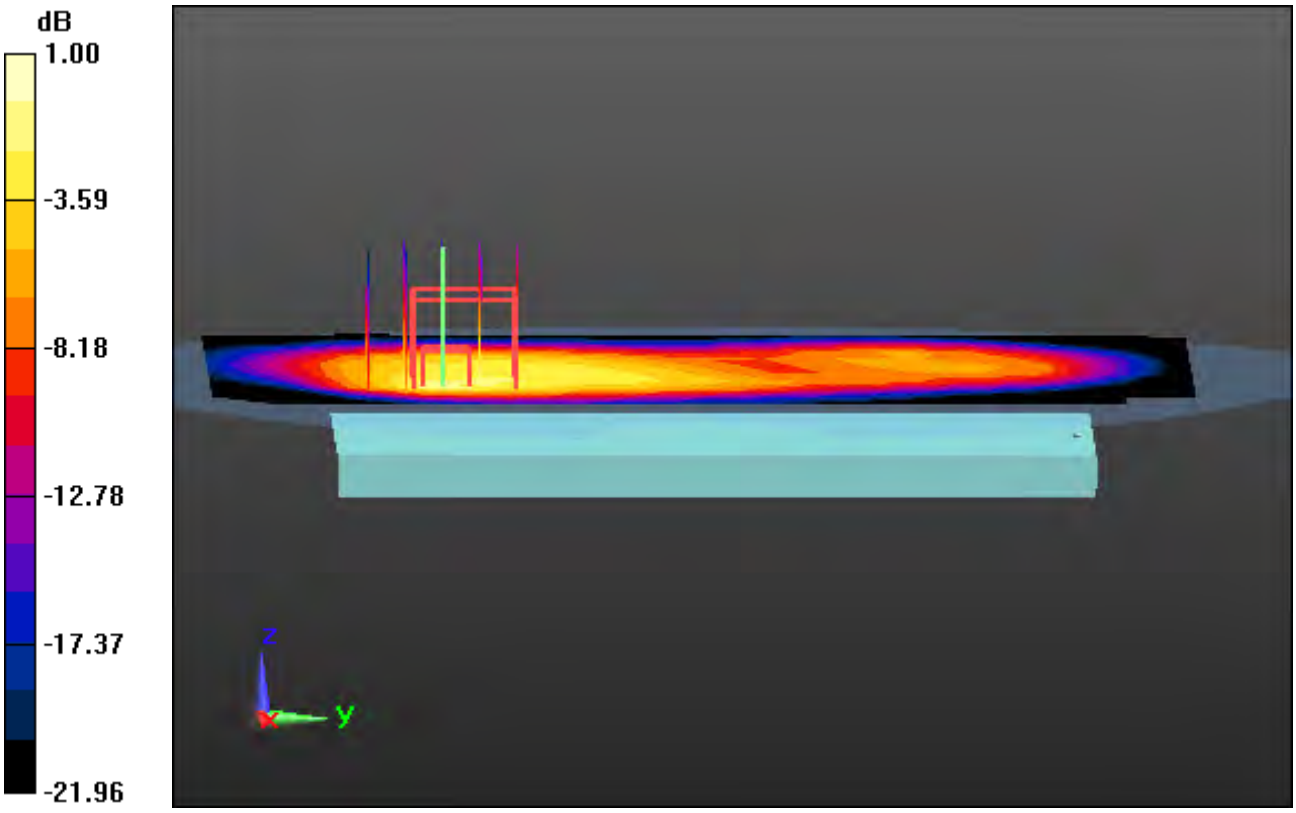
DASY5 Configuration:
Probe: EX3DV4 - SN3933; ConvF(8.62, 8.62, 8.62); Calibrated: 9/25/2018; Electronics: DAE4 Sn1396
Sensor-Surface: 2mm (Mechanical Surface Detection)
Phantom: SAM with CRP_2016_07_22_middle; Type: QD000P40CD; Serial: TP:1786
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version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

Test Date: 2019-03-02; Ambient Temp: 20.4; Tissue Temp: 21.3

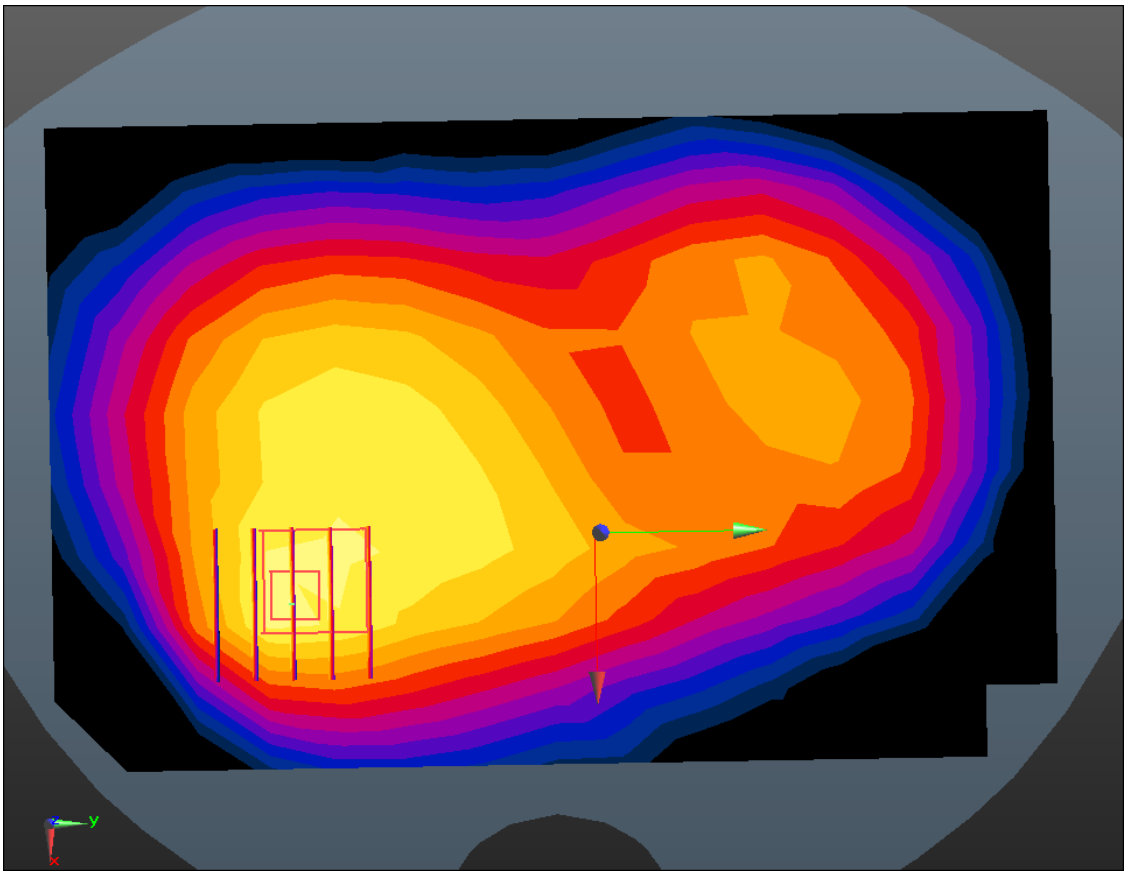
1 cm space from Body, Rear, LTE Band 66 Ch. 132072, Ant Internal

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 = -0.03 dB
Peak SAR (extrapolated) = 0.890 W/kg
SAR(1 g) = 0.498 W/kg; SAR(10 g) = 0.281 W/kg



0 dB = 0.690 W/kg



Enlarged Plot for A27

DT&C Co., Ltd.

DUT: LM-X525BAW; Type: Bar

Communication System: UID 0, LTE Band 2 (0); Frequency: 1860 MHz;Duty Cycle: 1:1
Medium parameters used: f = 1860 MHz; σ = 1.493 S/m; ε_r = 55.306; ρ = 1000 kg/m^3
Phantom section: Flat Section

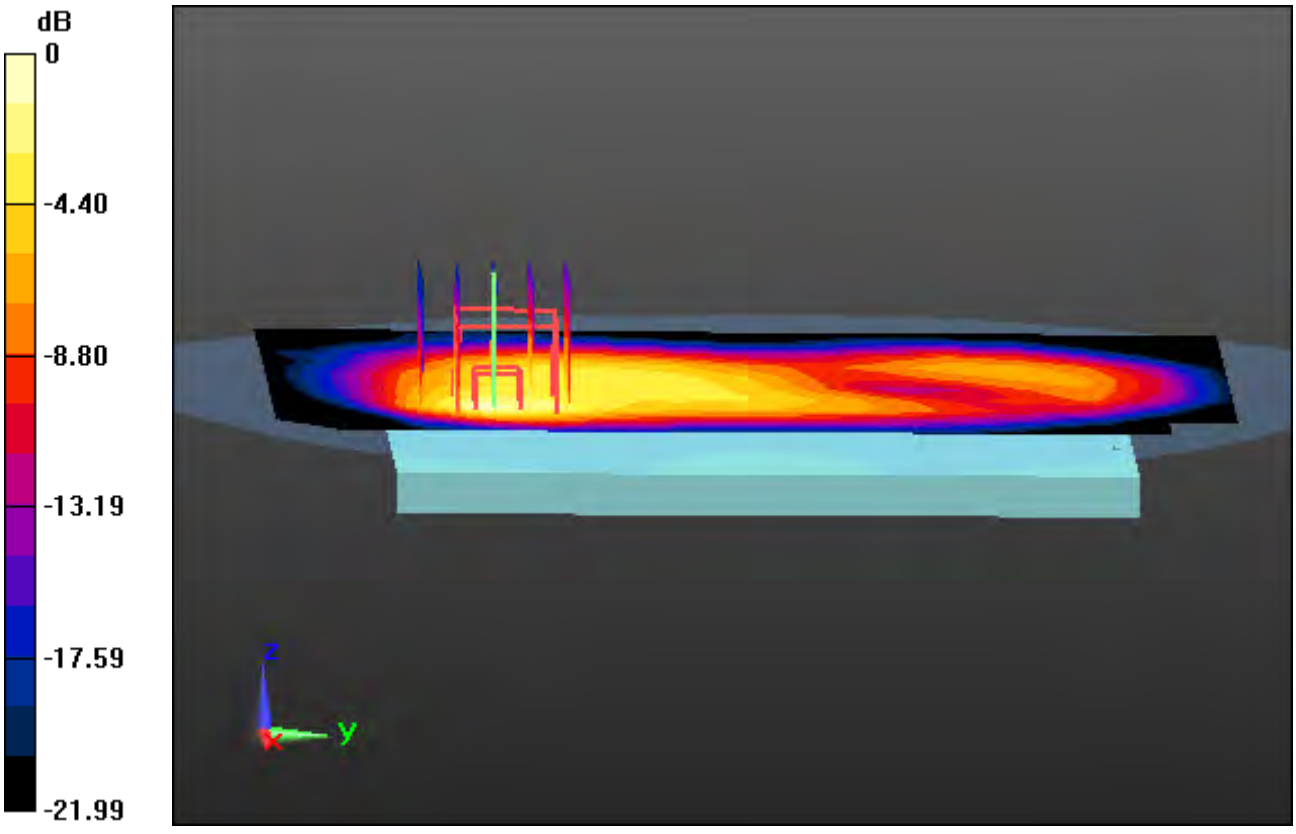
DASY5 Configuration:
Probe: EX3DV4 - SN3933; ConvF(8.21, 8.21, 8.21); Calibrated: 9/25/2018; Electronics: DAE4 Sn1396
Sensor-Surface: 2mm (Mechanical Surface Detection)
Phantom: SAM with CRP_2016_07_22_middle; Type: QD000P40CD; Serial: TP:1786
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version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

Test Date: 2019-03-01; Ambient Temp: 20.2; Tissue Temp: 20.8

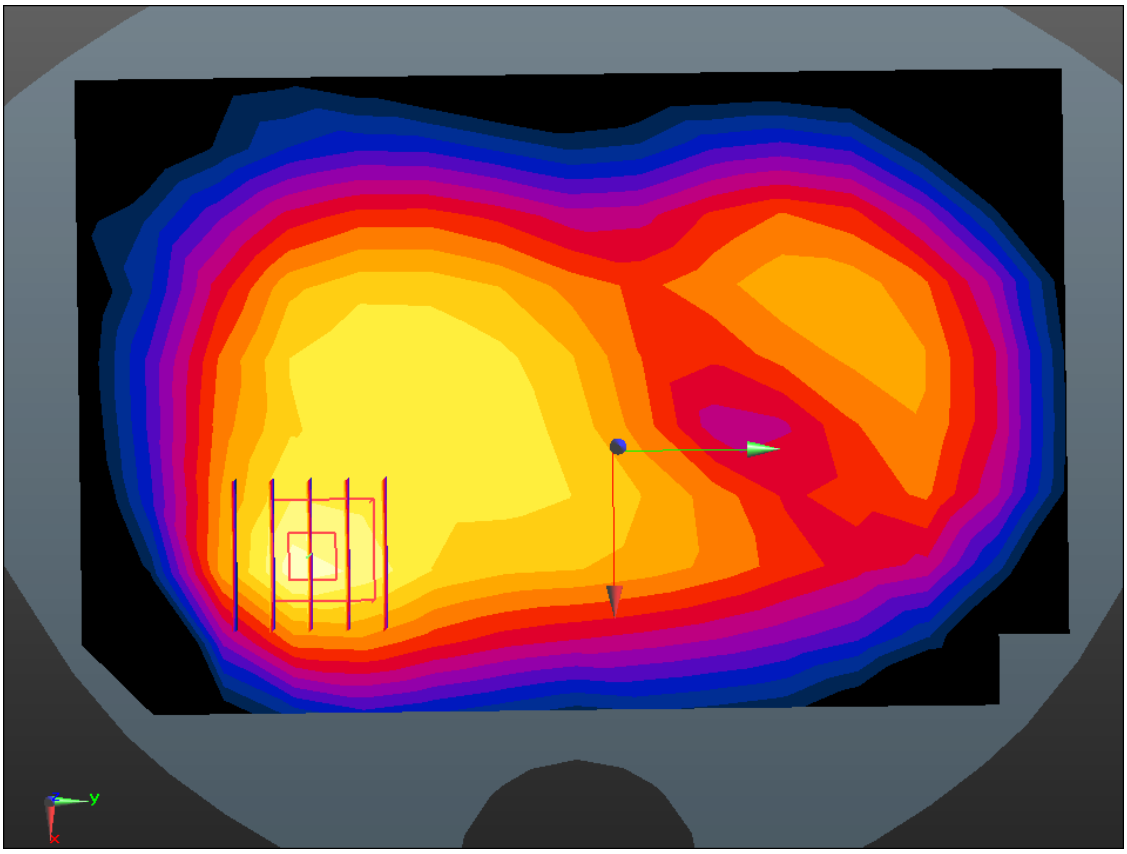
1 cm space from Body, Rear, LTE Band 2 Ch. 18700, Ant Internal

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 = -0.01 dB
Peak SAR (extrapolated) = 1.20 W/kg
SAR(1 g) = 0.636 W/kg; SAR(10 g) = 0.326 W/kg



0 dB = 0.932 W/kg



Enlarged Plot for A28

DT&C Co., Ltd.

DUT: LM-X525BAW; Type: Bar

Communication System: UID 0, LTE Band 7(FCC) (0); Frequency: 2510 MHz;Duty Cycle: 1:1
Medium parameters used: f = 2510 MHz; σ = 1.975 S/m; ε_r = 51.285; ρ = 1000 kg/m^3
Phantom section: Flat Section

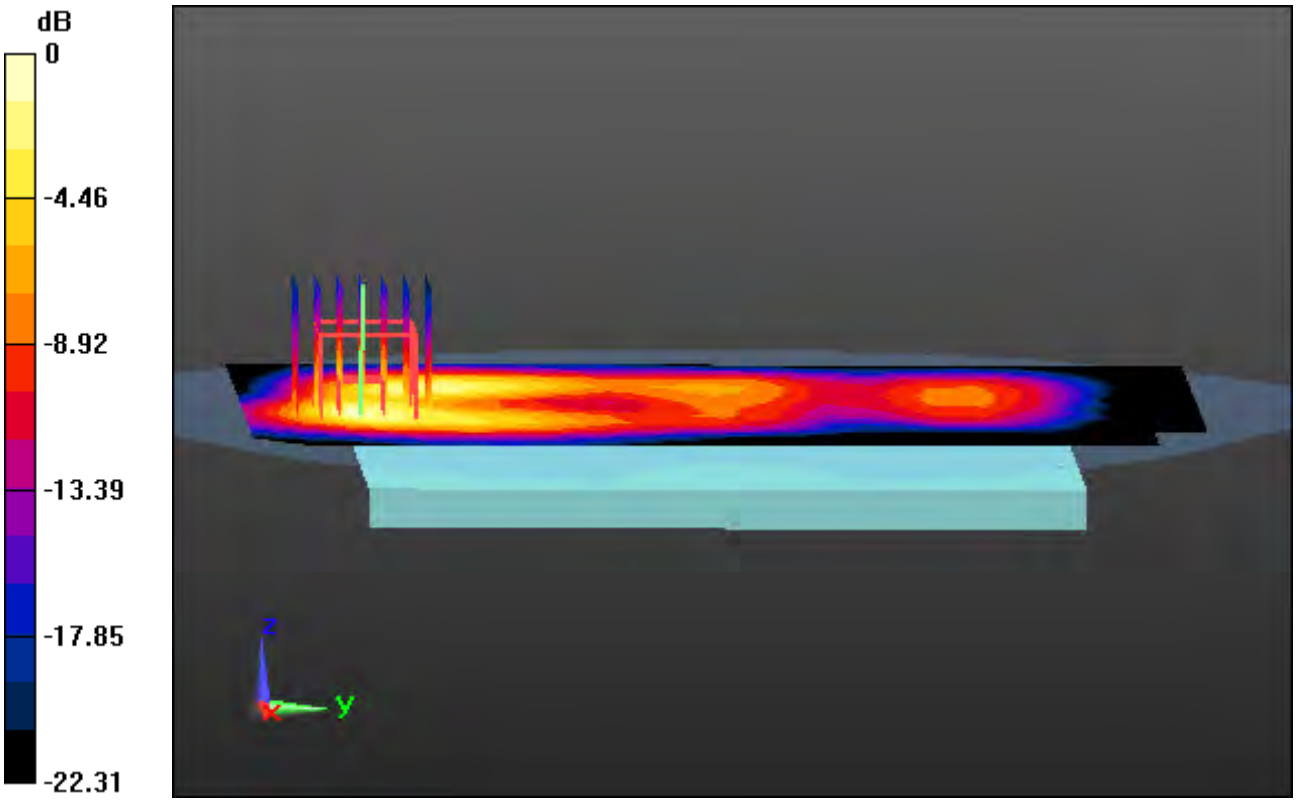
DASY5 Configuration:
Probe: EX3DV4 - SN3933; ConvF(7.63, 7.63, 7.63); Calibrated: 9/25/2018; Electronics: DAE4 Sn1396
Sensor-Surface: 2mm (Mechanical Surface Detection)
Phantom: SAM with CRP_2016_07_22_middle; Type: QD000P40CD; Serial: TP:1786
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version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

Test Date: 2019-03-05; Ambient Temp: 20.2; Tissue Temp: 21.1

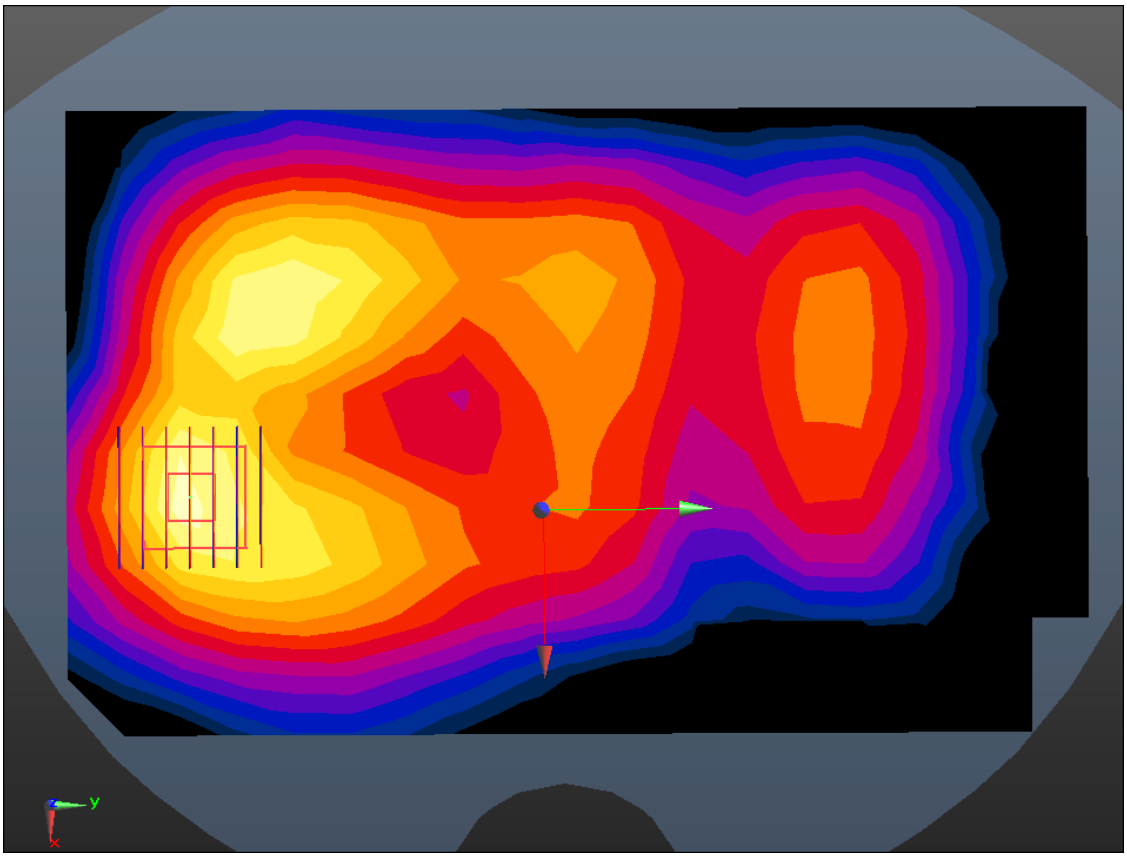
1 cm space from Body, Front, LTE Band 7 Ch. 20850, Ant Internal

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 = 0.13 dB
Peak SAR (extrapolated) = 1.10 W/kg
SAR(1 g) = 0.584 W/kg; SAR(10 g) = 0.278 W/kg



0 dB = 0.865 W/kg



Enlarged Plot for A29

DT&C Co., Ltd.

DUT: LM-X525BAW; Type: Bar

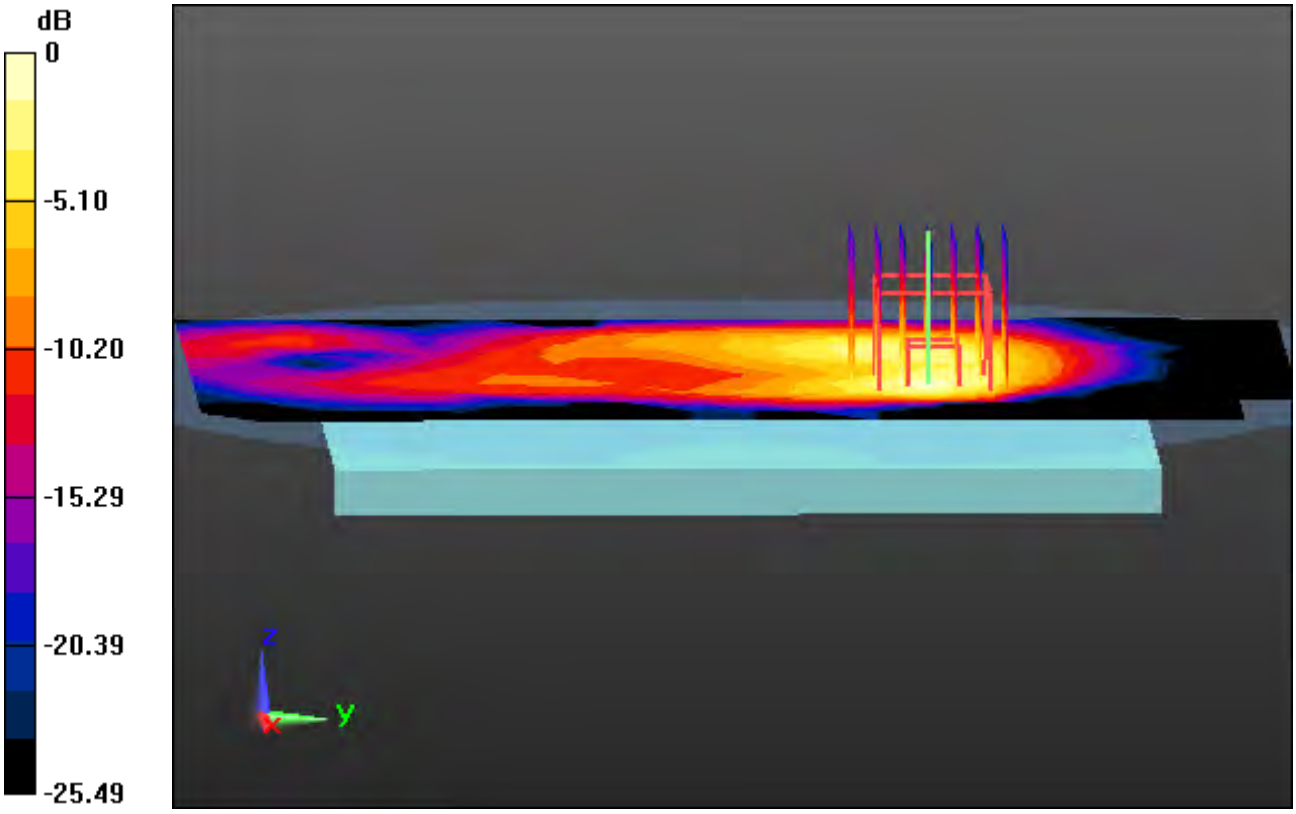
Communication System: UID 0, 2.4 GHz W-LAN (0); Frequency: 2437 MHz;Duty Cycle: 1:1
Medium parameters used: f = 2437 MHz; σ = 1.963 S/m; ε_r = 53.575; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:
Probe: EX3DV4 - SN3933; ConvF(7.75, 7.75, 7.75); 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)

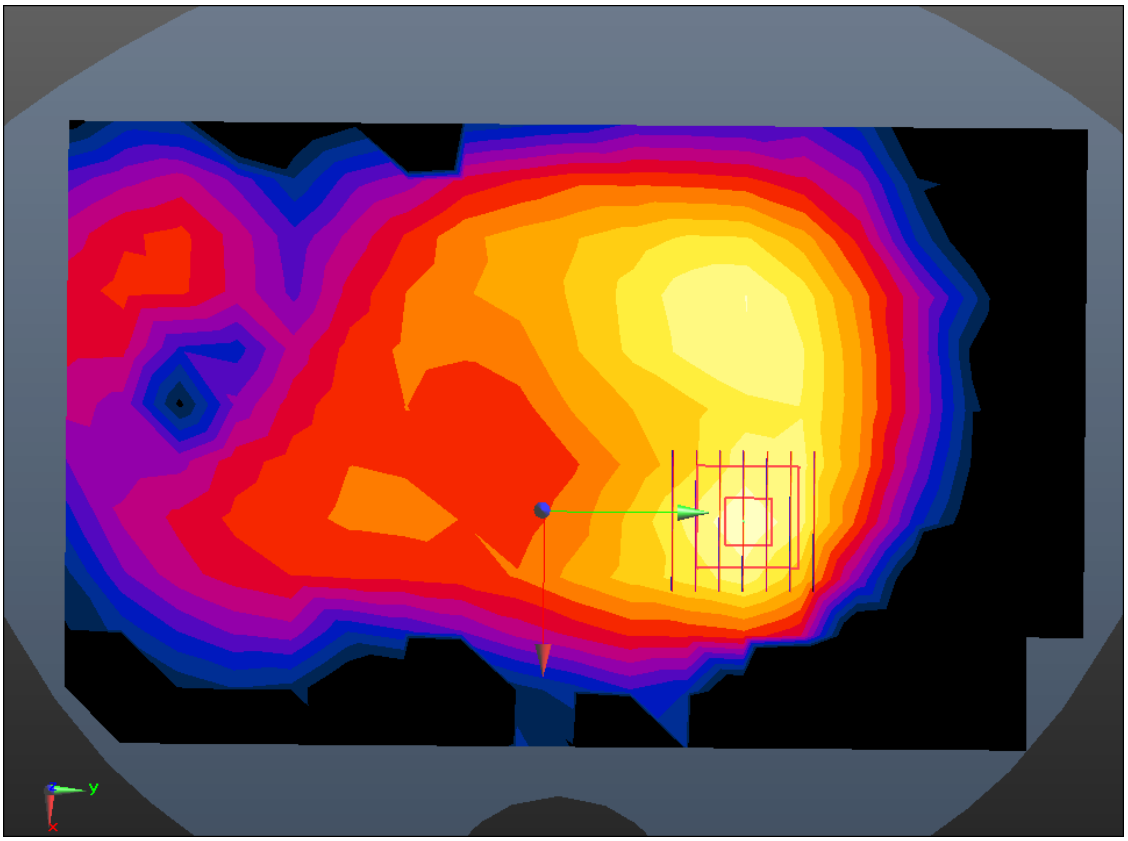
Test Date: 2019-03-14; Ambient Temp: 20.2; Tissue Temp: 21.2

1 cm space form Body, Rear, WLAN(802.11b) Ch. 6, Ant Internal

Area Scan (12x19x1): Measurement grid: dx=12mm, dy=12mm
Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Power Drift = -0.00 dB
Peak SAR (extrapolated) = 0.269 W/kg
SAR(1 g) = 0.130 W/kg; SAR(10 g) = 0.062 W/kg



0 dB = 0.196 W/kg



Enlarged Plot for A30

DT&C Co., Ltd.

DUT: LM-X525BAW; Type: Bar

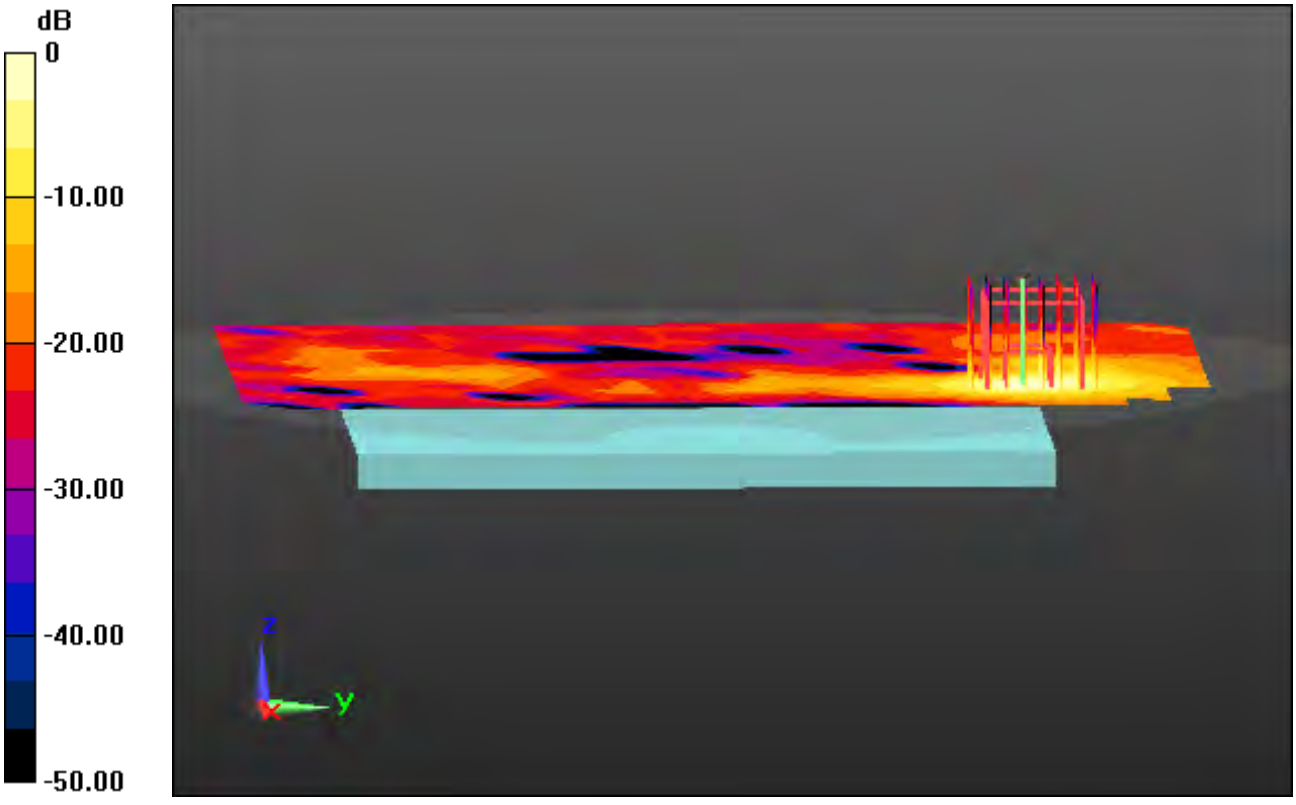
Communication System: UID 0, 00_5GHz W-LAN (0); Frequency: 5320 MHz;Duty Cycle: 1:1
Medium parameters used: f = 5320 MHz; σ = 5.323 S/m; ε_r = 48.427; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:
Probe: EX3DV4 - SN3930; ConvF(4.47, 4.47, 4.47); Calibrated: 7/26/2018; Electronics: DAE4 Sn1335
Sensor-Surface: 1.4mm (Mechanical Surface Detection)
Phantom: Twin-SAM V5.0 ; Type: QD 000 P40 CD; Serial: 1679
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

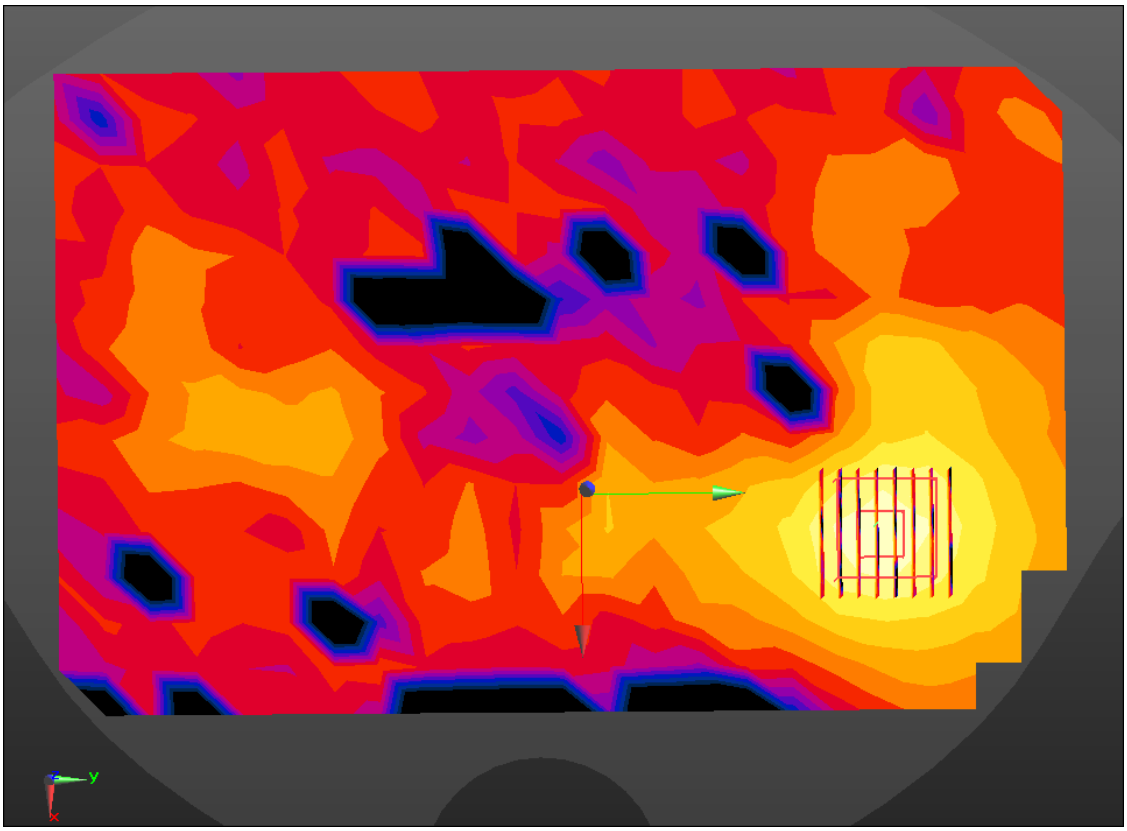
Test Date: 2019-03-26; Ambient Temp: 20.6; Tissue Temp: 20.8

1 cm space form Body, Rear, WLAN(802.11a) 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 = -0.09 dB
Peak SAR (extrapolated) = 1.40 W/kg
SAR(1 g) = 0.359 W/kg; SAR(10 g) = 0.115 W/kg



0 dB = 0.837 W/kg



Enlarged Plot for A31

DT&C Co., Ltd.

DUT: LM-X525BAW; Type: Bar

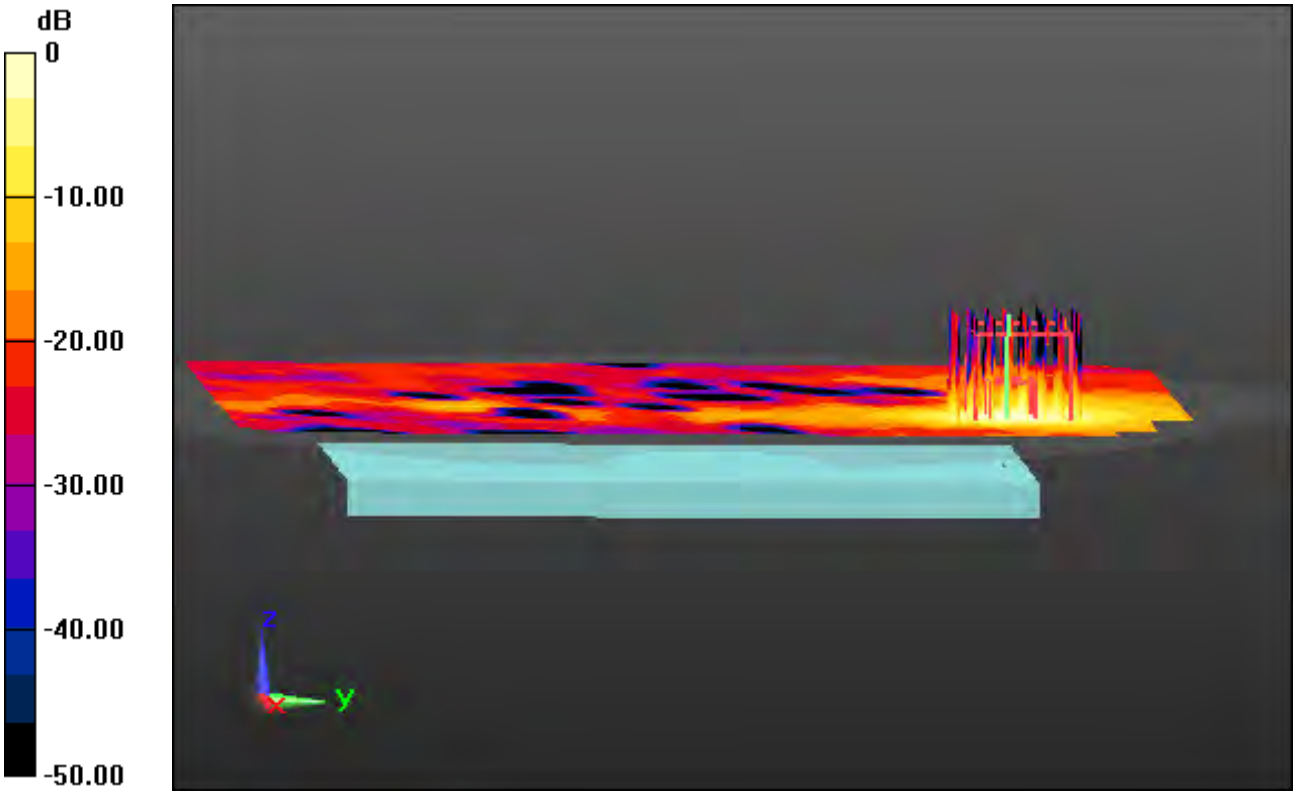
Communication System: UID 0, W-LAN 5G (0); Frequency: 5720 MHz;Duty Cycle: 1:1
Medium parameters used: f = 5720 MHz; σ = 5.813 S/m; ε_r = 48.591; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:
Probe: EX3DV4 - SN3930; ConvF(4.14, 4.14, 4.14); Calibrated: 7/26/2018; Electronics: DAE4 Sn1335
Sensor-Surface: 1.4mm (Mechanical Surface Detection)
Phantom: Twin-SAM V5.0 ; Type: QD 000 P40 CD; Serial: 1679
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

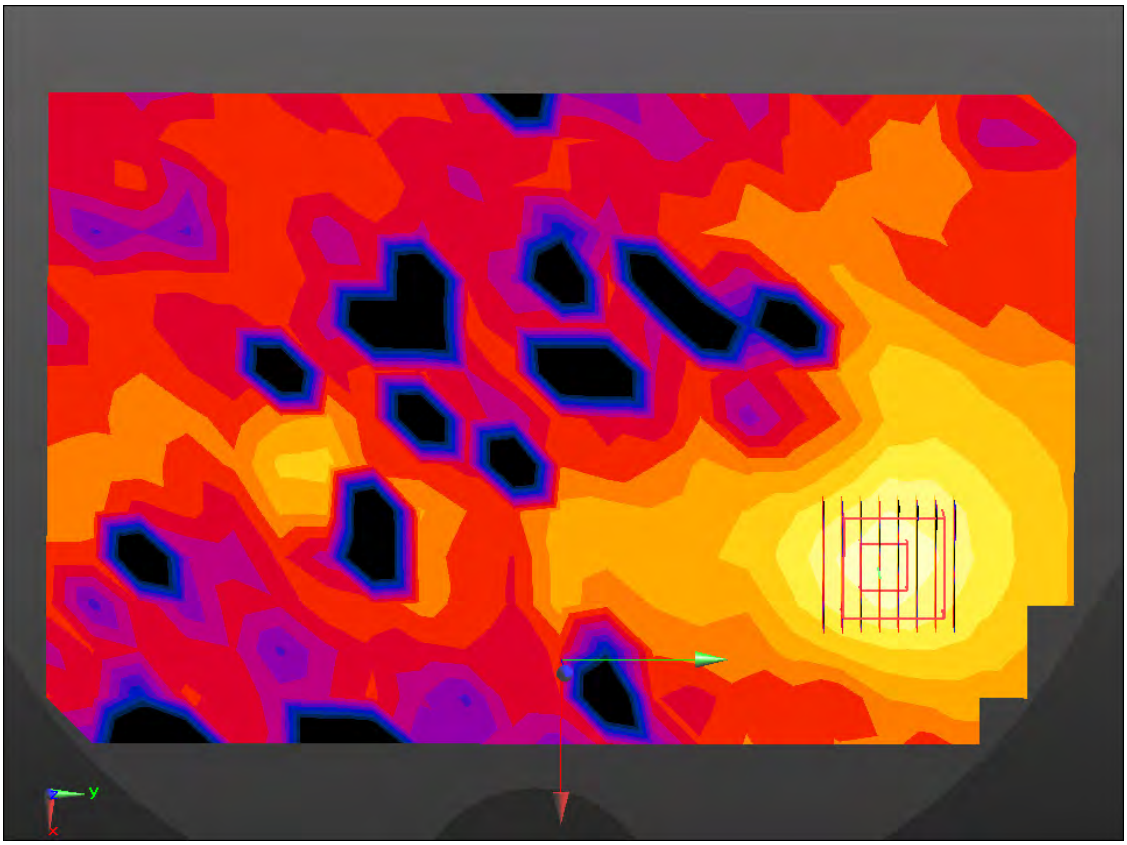
Test Date: 2019-03-27; Ambient Temp: 20.8; Tissue Temp: 21.2

1 cm space form Body, Rear, WLAN(802.11a) Ch. 144, 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) = 1.42 W/kg
SAR(1 g) = 0.356 W/kg; SAR(10 g) = 0.113 W/kg



0 dB = 0.861 W/kg



Enlarged Plot for A32

DT&C Co., Ltd.

DUT: LM-X525BAW; Type: Bar

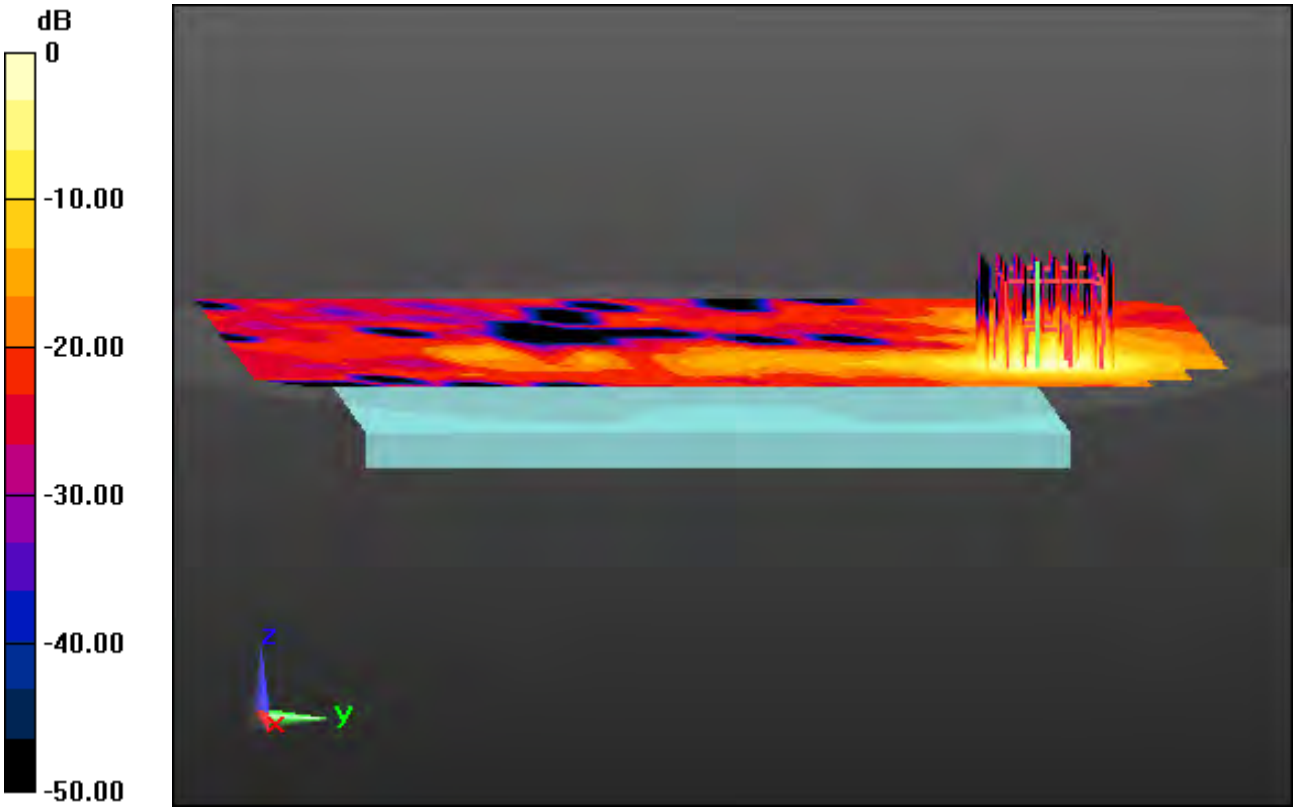
Communication System: UID 0, 00_5GHz W-LAN (0); Frequency: 5745 MHz;Duty Cycle: 1:1
Medium parameters used: f = 5745 MHz; σ = 5.827 S/m; ε_r = 48.276; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:
Probe: EX3DV4 - SN3930; ConvF(4.14, 4.14, 4.14); Calibrated: 7/26/2018; Electronics: DAE4 Sn1335
Sensor-Surface: 1.4mm (Mechanical Surface Detection)
Phantom: Twin-SAM V5.0 ; Type: QD 000 P40 CD; Serial: 1679
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

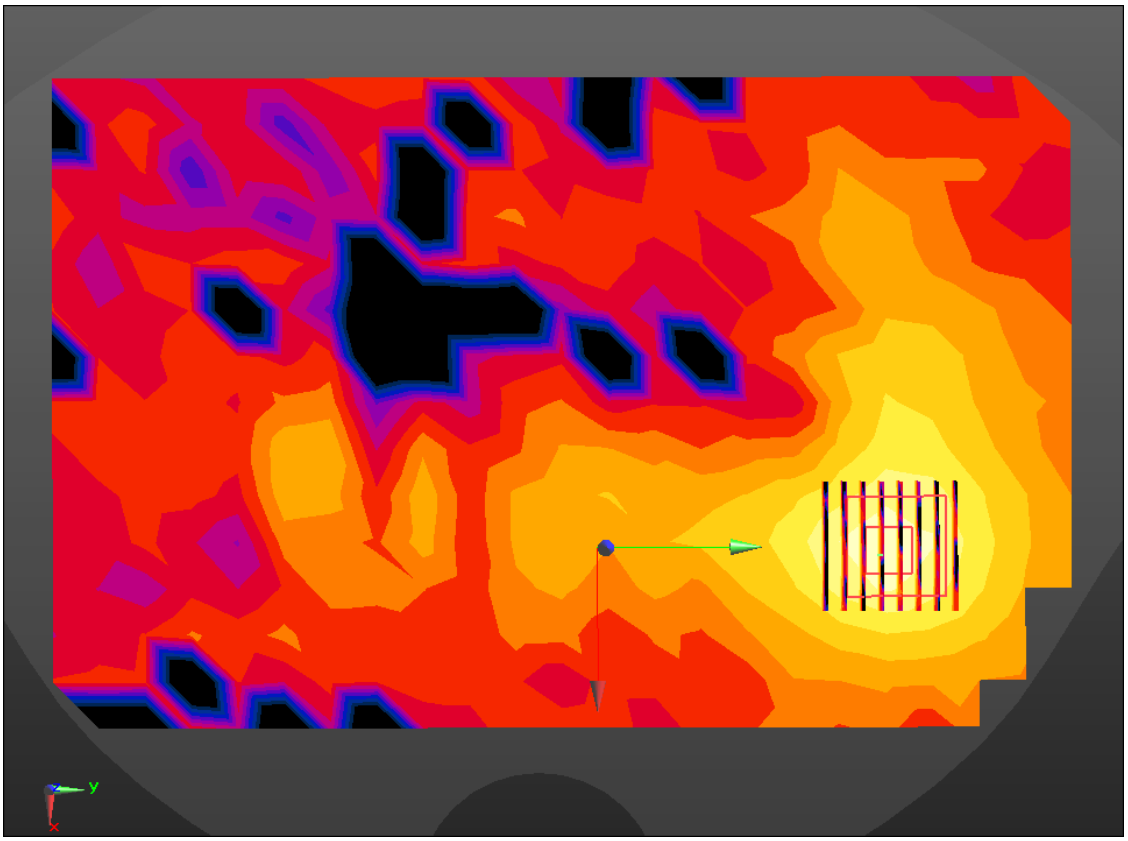
Test Date: 2019-03-28; Ambient Temp: 20.9; Tissue Temp: 21.0

1 cm space form Body, Rear, WLAN(802.11a) 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) = 1.82 W/kg
SAR(1 g) = 0.408 W/kg; SAR(10 g) = 0.124 W/kg



0 dB = 1.00 W/kg



Enlarged Plot for A33

DT&C Co., Ltd.

DUT: LM-X525BAW; Type: Bar

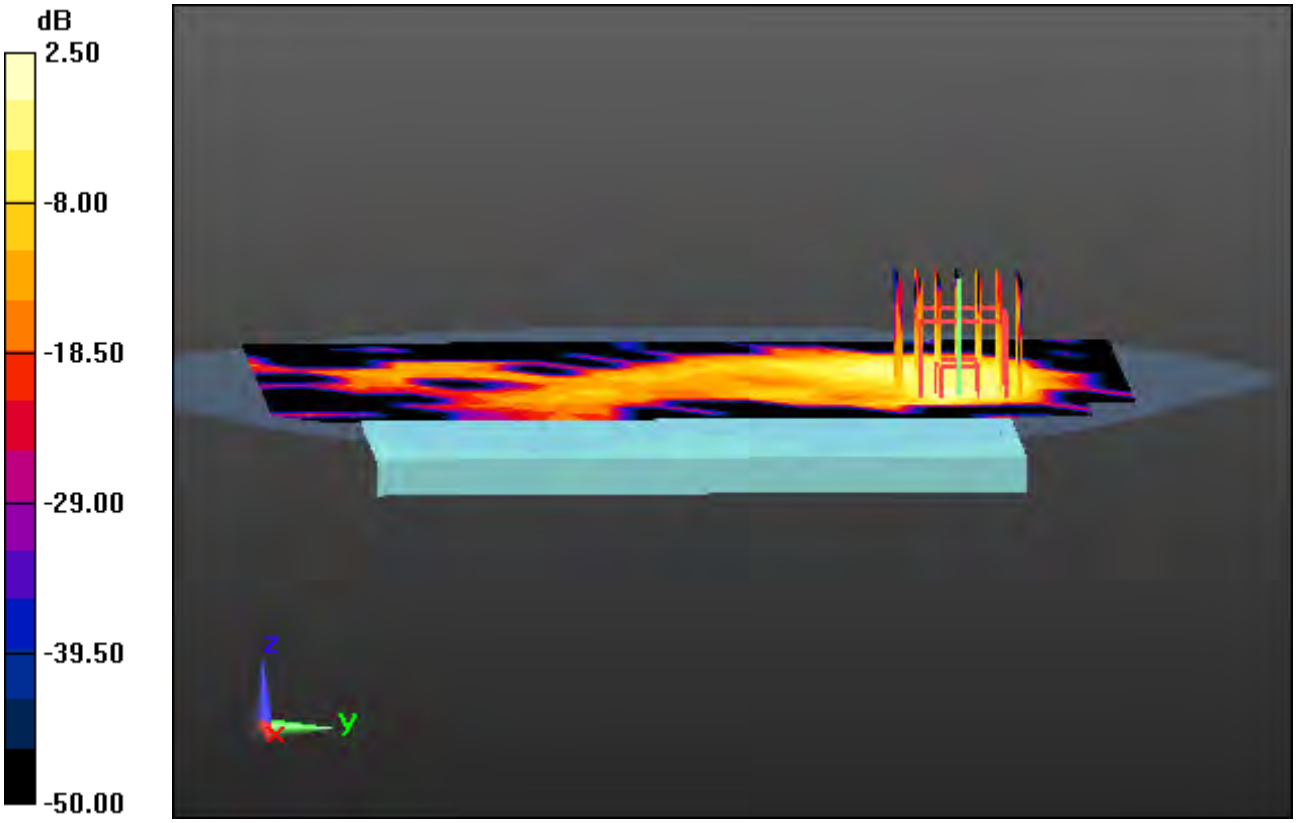
Communication System: UID 0, Bluetooth (0); Frequency: 2441 MHz;Duty Cycle: 1:1.302
Medium parameters used: f = 2441 MHz; σ = 1.968 S/m; ε_r = 53.57; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:
Probe: EX3DV4 - SN3933; ConvF(7.75, 7.75, 7.75); 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)

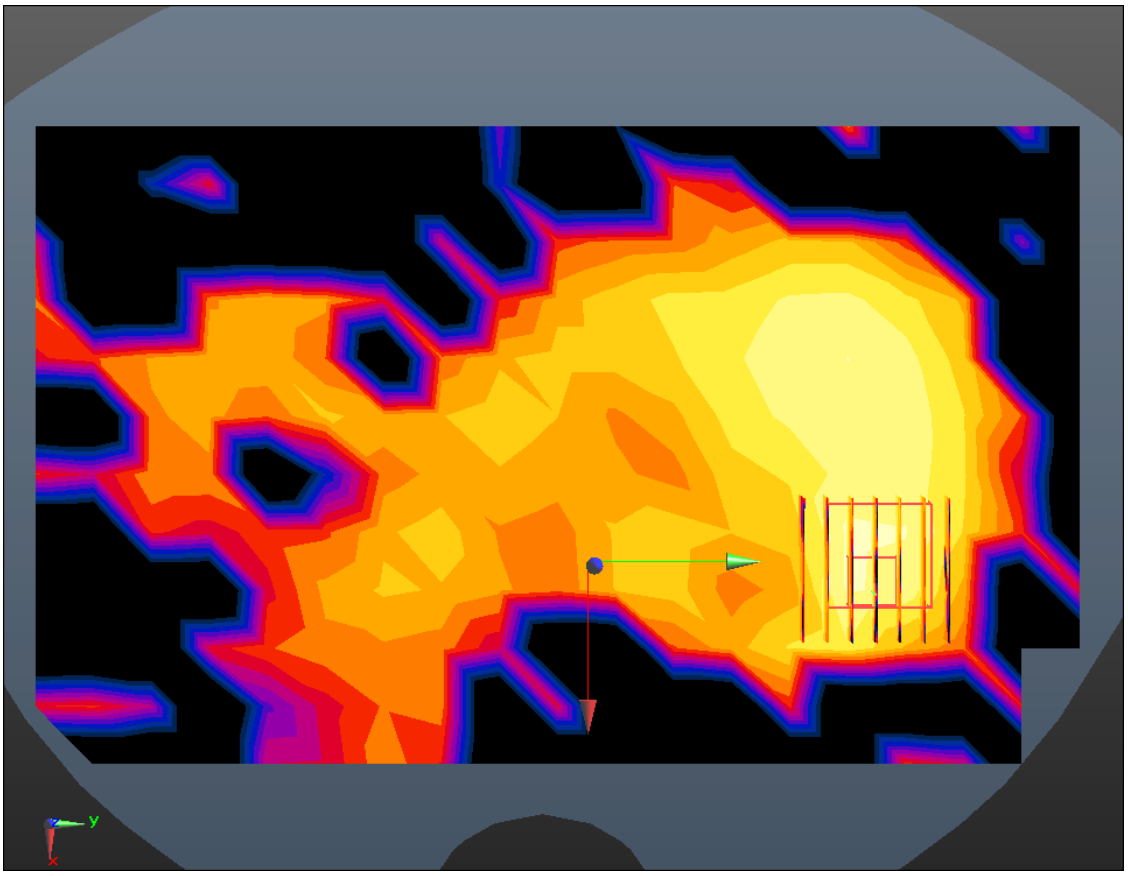
Test Date: 2019-03-14; Ambient Temp: 20.2; Tissue Temp: 21.2

1 cm space form Body, Rear, Bluetooth BDR 1M Ch. 39, Ant Internal

Area Scan (12x19x1): Measurement grid: dx=12mm, dy=12mm
Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Power Drift = 0.16 dB
Peak SAR (extrapolated) = 0.0420 W/kg
SAR(1 g) = 0.020 W/kg; SAR(10 g) = 0.0063 W/kg



0 dB = 0.0346 W/kg



Enlarged Plot for A34

DT&C Co., Ltd.

DUT: LM-X525BAW; Type: Bar

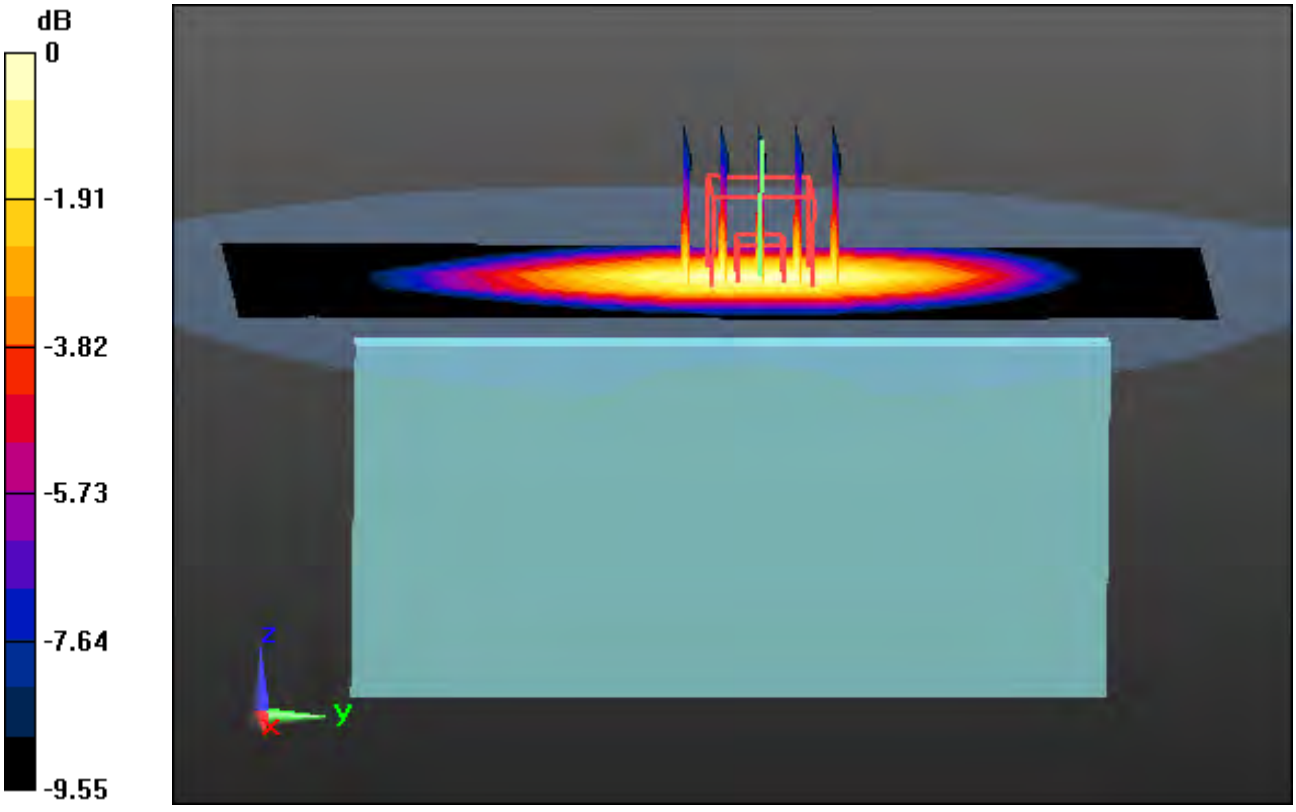
Communication System: UID 0, WCDMA 850 (0); Frequency: 836.6 MHz;Duty Cycle: 1:1
Medium parameters used: f = 836.6 MHz; σ = 0.991 S/m; ε_r = 54.589; ρ = 1000 kg/m^3
Phantom section: Flat Section

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)

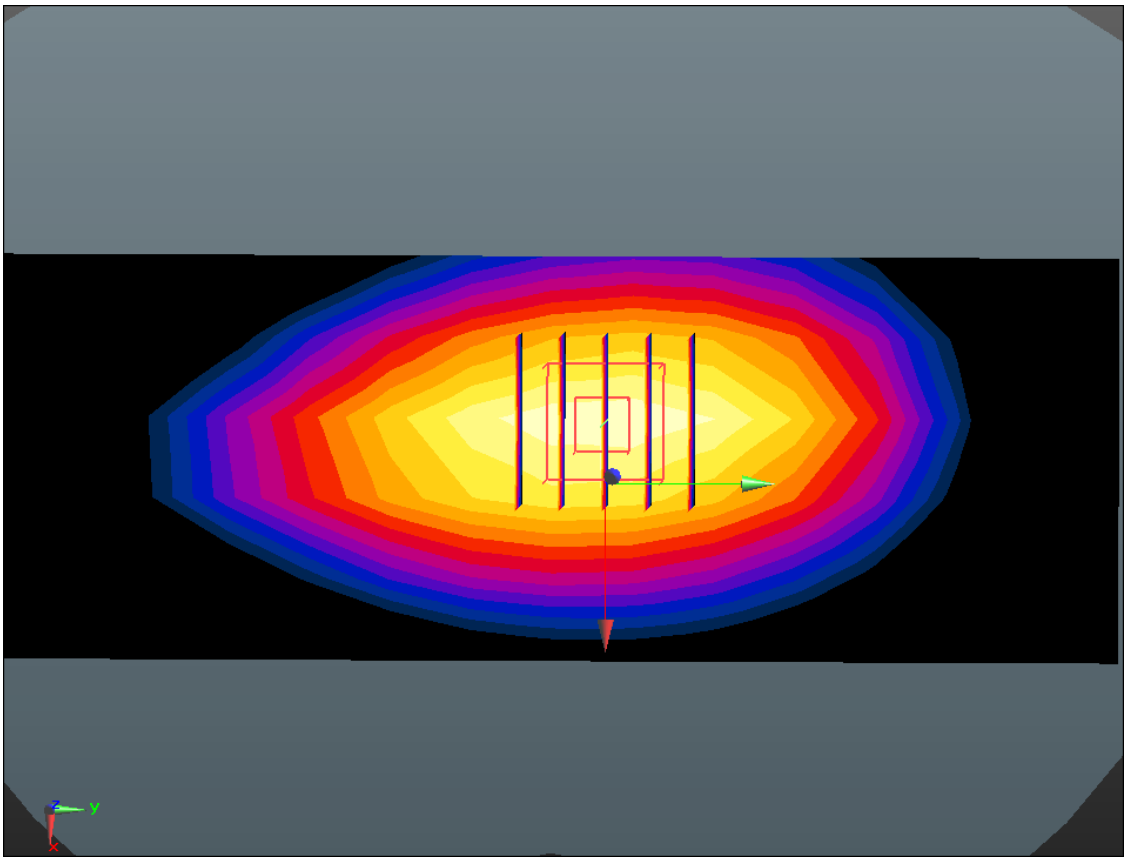
Test Date: 2019-03-13; Ambient Temp: 20.1; Tissue Temp: 21.0

1 cm space form 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 = -0.02 dB
Peak SAR (extrapolated) = 0.695 W/kg
SAR(1 g) = 0.487 W/kg; SAR(10 g) = 0.334 W/kg



0 dB = 0.602 W/kg



Enlarged Plot for A35

DT&C Co., Ltd.

DUT: LM-X525BAW; Type: Bar

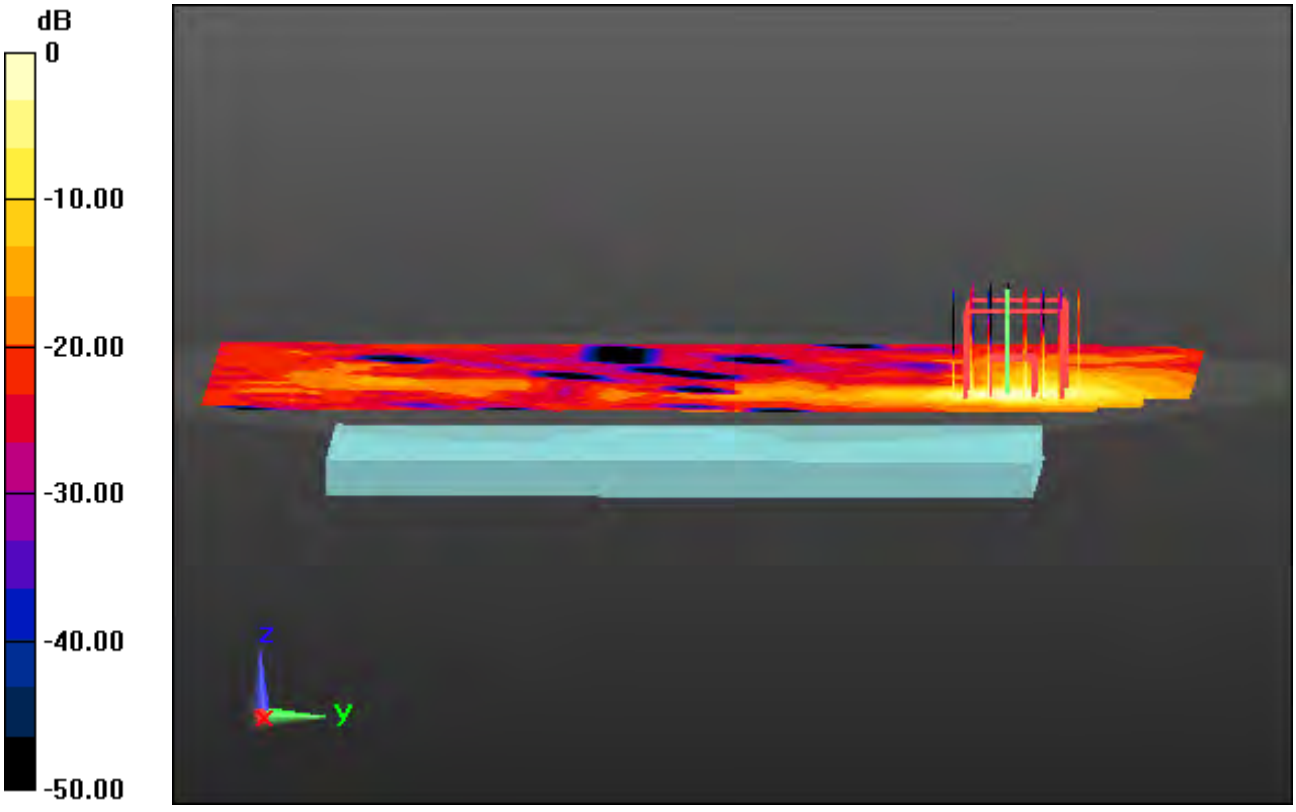
Communication System: UID 0, W-LAN 5G (0); Frequency: 5240 MHz;Duty Cycle: 1:1
Medium parameters used: f = 5240 MHz; σ = 5.514 S/m; ε_r = 49.036; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:
Probe: EX3DV4 - SN3930; ConvF(4.61, 4.61, 4.61); Calibrated: 7/26/2018; Electronics: DAE4 Sn1335
Sensor-Surface: 1.4mm (Mechanical Surface Detection)
Phantom: Twin-SAM V5.0 ; Type: QD 000 P40 CD; Serial: 1679
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

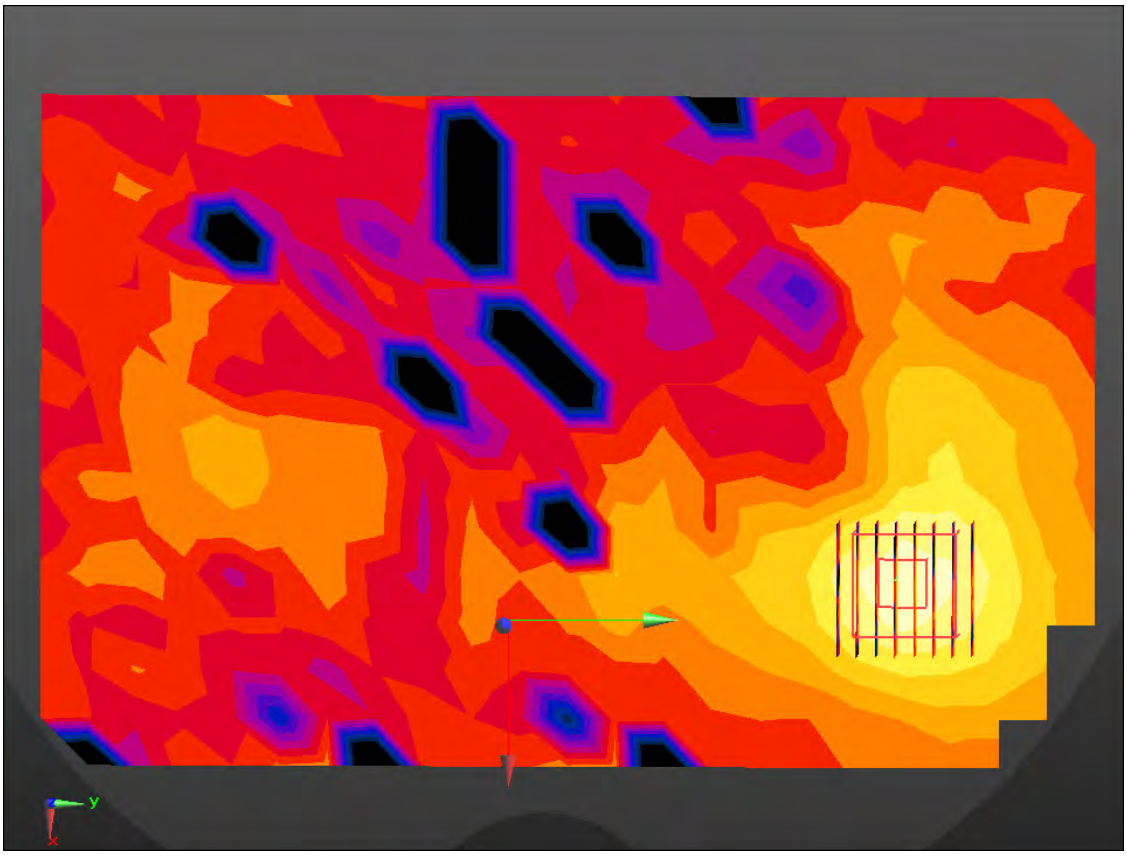
Test Date: 2019-03-25; Ambient Temp: 20.4; Tissue Temp: 20.6

1 cm space form Body, Rear, WLAN(802.11a) Ch. 48, 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 = -0.02 dB
Peak SAR (extrapolated) = 1.36 W/kg
SAR(1 g) = 0.357 W/kg; SAR(10 g) = 0.112 W/kg



0 dB = 0.831 W/kg



Enlarged Plot for A36

DT&C Co., Ltd.

DUT: LM-X525BAW; Type: Bar

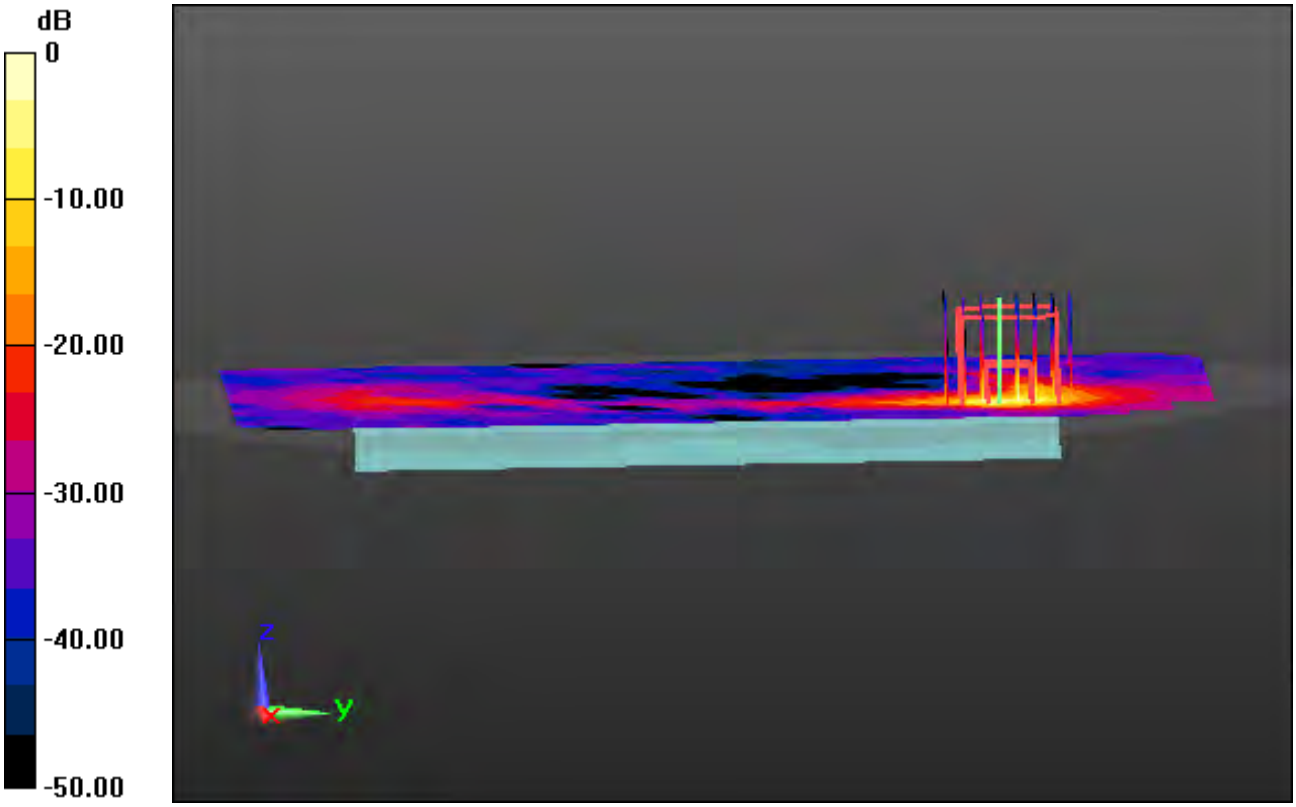
Communication System: UID 0, 00_5GHz W-LAN (0); Frequency: 5320 MHz;Duty Cycle: 1:1
Medium parameters used: f = 5320 MHz; σ = 5.323 S/m; ε_r = 48.427; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:
Probe: EX3DV4 - SN3930; ConvF(4.47, 4.47, 4.47); Calibrated: 7/26/2018; Electronics: DAE4 Sn1335
Sensor-Surface: 1.4mm (Mechanical Surface Detection)
Phantom: Twin-SAM V5.0 ; Type: QD 000 P40 CD; Serial: 1679
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

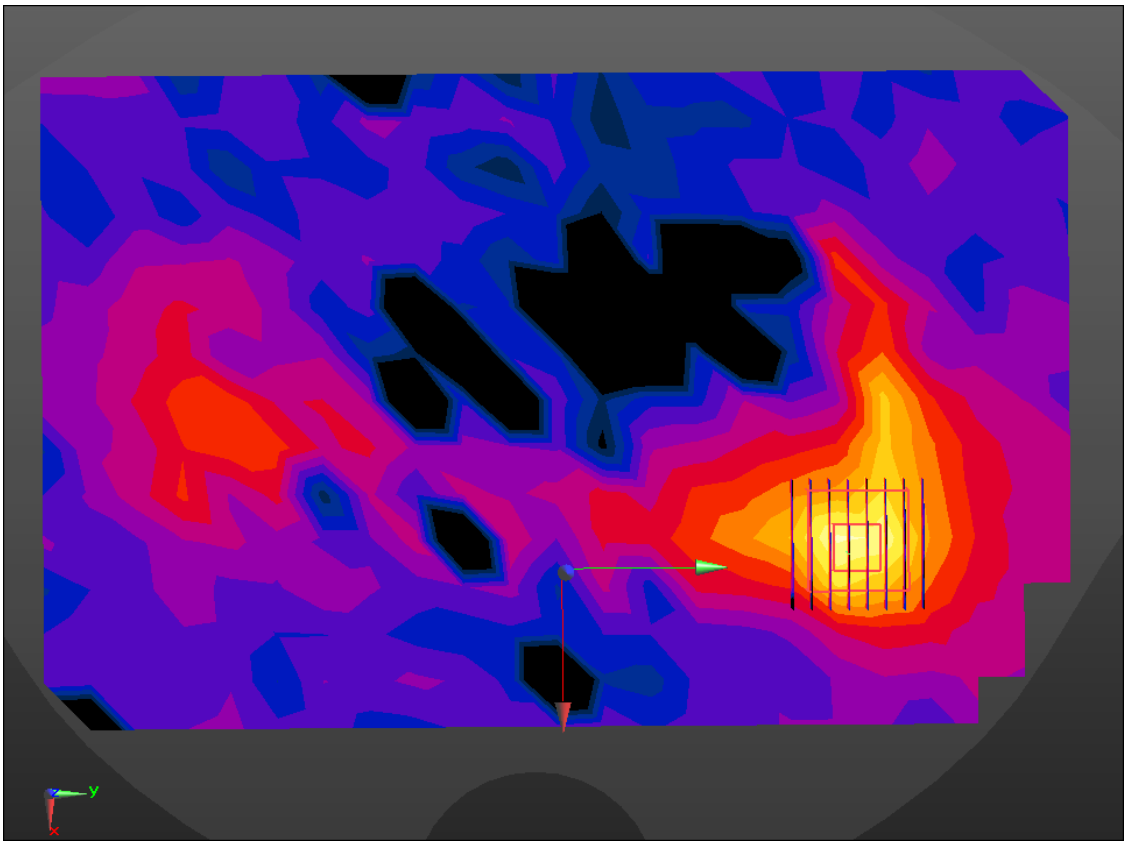
Test Date: 2019-03-26; Ambient Temp: 20.6; Tissue Temp: 20.8

Touch form Body, Rear, WLAN(802.11a) 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 = 0.01 dB
Peak SAR (extrapolated) = 30.8 W/kg
SAR(1 g) = 4.98 W/kg; SAR(10 g) = 0.934 W/kg



0 dB = 15.3 W/kg



Enlarged Plot for A37

DT&C Co., Ltd.

DUT: LM-X525BAW; Type: Bar

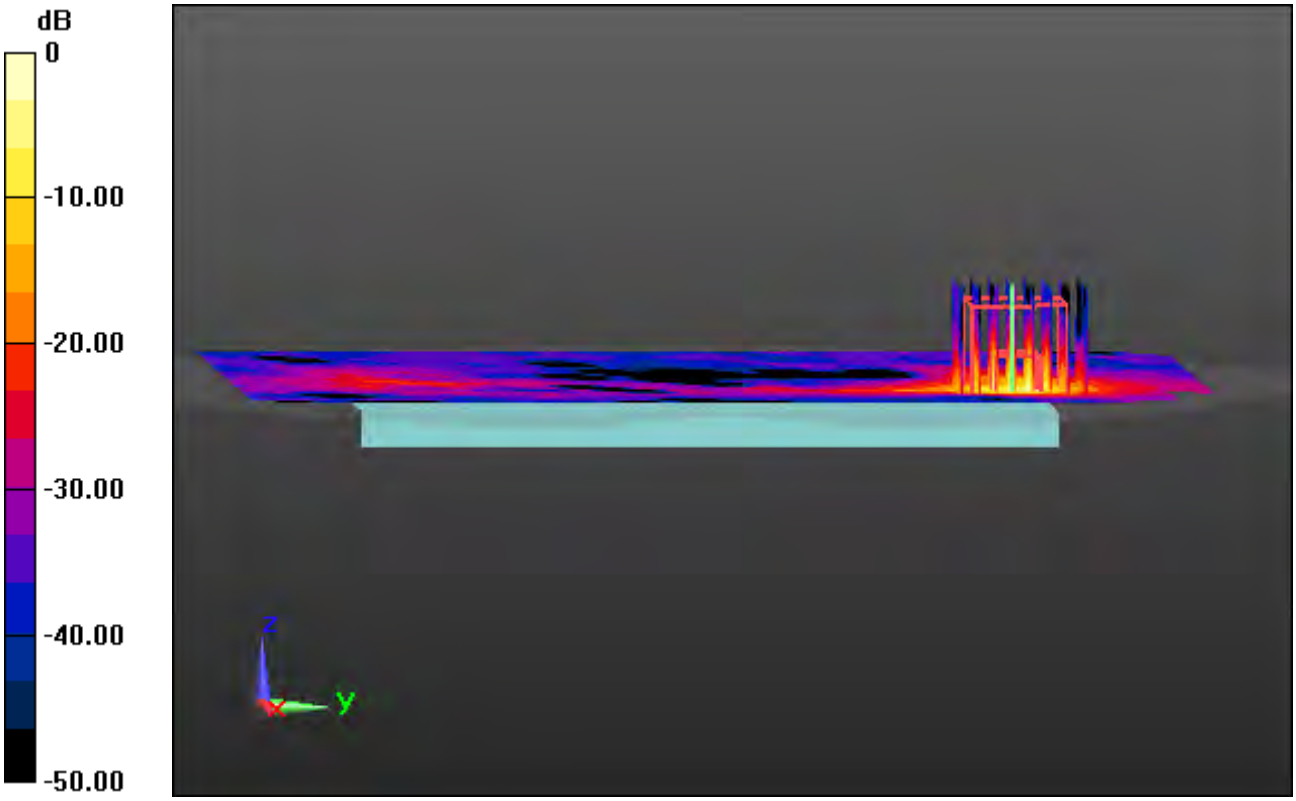
Communication System: UID 0, W-LAN 5G (0); Frequency: 5720 MHz;Duty Cycle: 1:1
Medium parameters used: f = 5720 MHz; σ = 5.813 S/m; ε_r = 48.591; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:
Probe: EX3DV4 - SN3930; ConvF(4.14, 4.14, 4.14); Calibrated: 7/26/2018; Electronics: DAE4 Sn1335
Sensor-Surface: 1.4mm (Mechanical Surface Detection)
Phantom: Twin-SAM V5.0 ; Type: QD 000 P40 CD; Serial: 1679
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

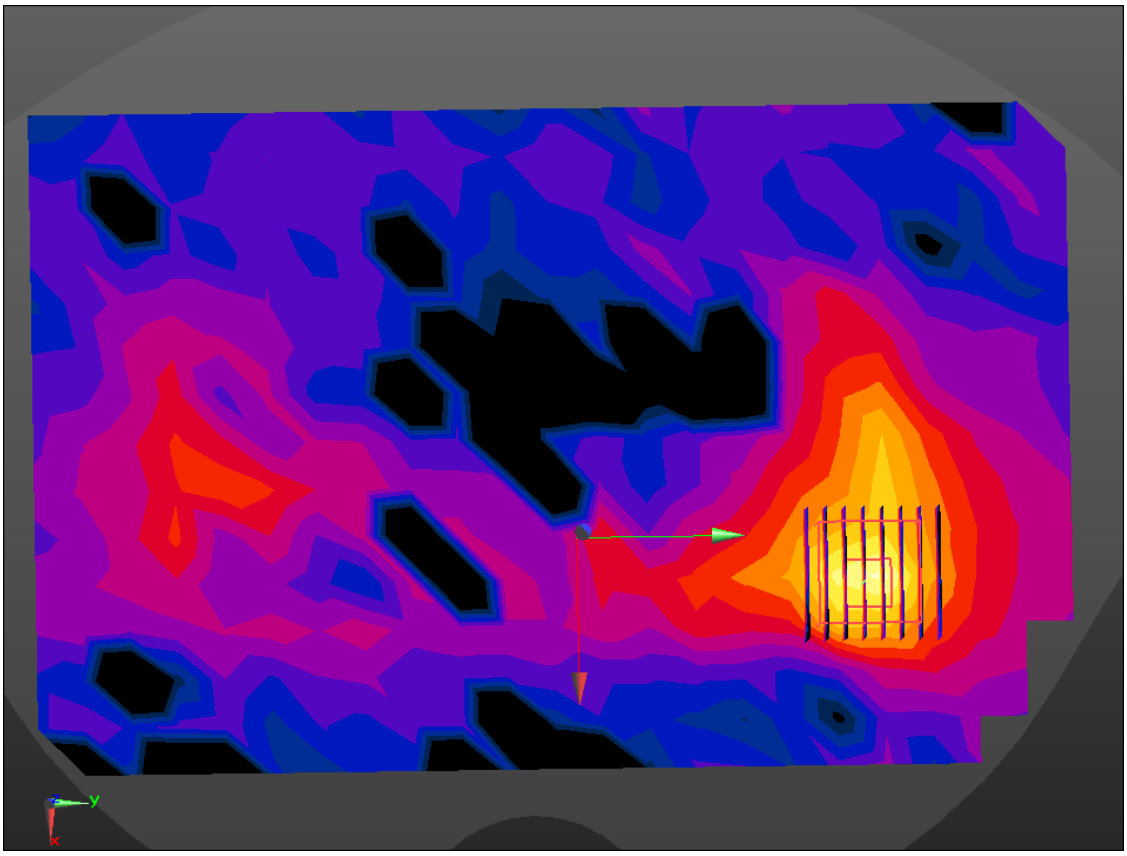
Test Date: 2019-03-27; Ambient Temp: 20.8; Tissue Temp: 21.2

Touch form Body, Rear, WLAN(802.11a) Ch. 144, 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) = 29.7 W/kg
SAR(1 g) = 4.6 W/kg; SAR(10 g) = 0.846 W/kg



0 dB = 16.2 W/kg



Enlarged Plot for A38

DUT: LM-X525BAW; Type: Bar

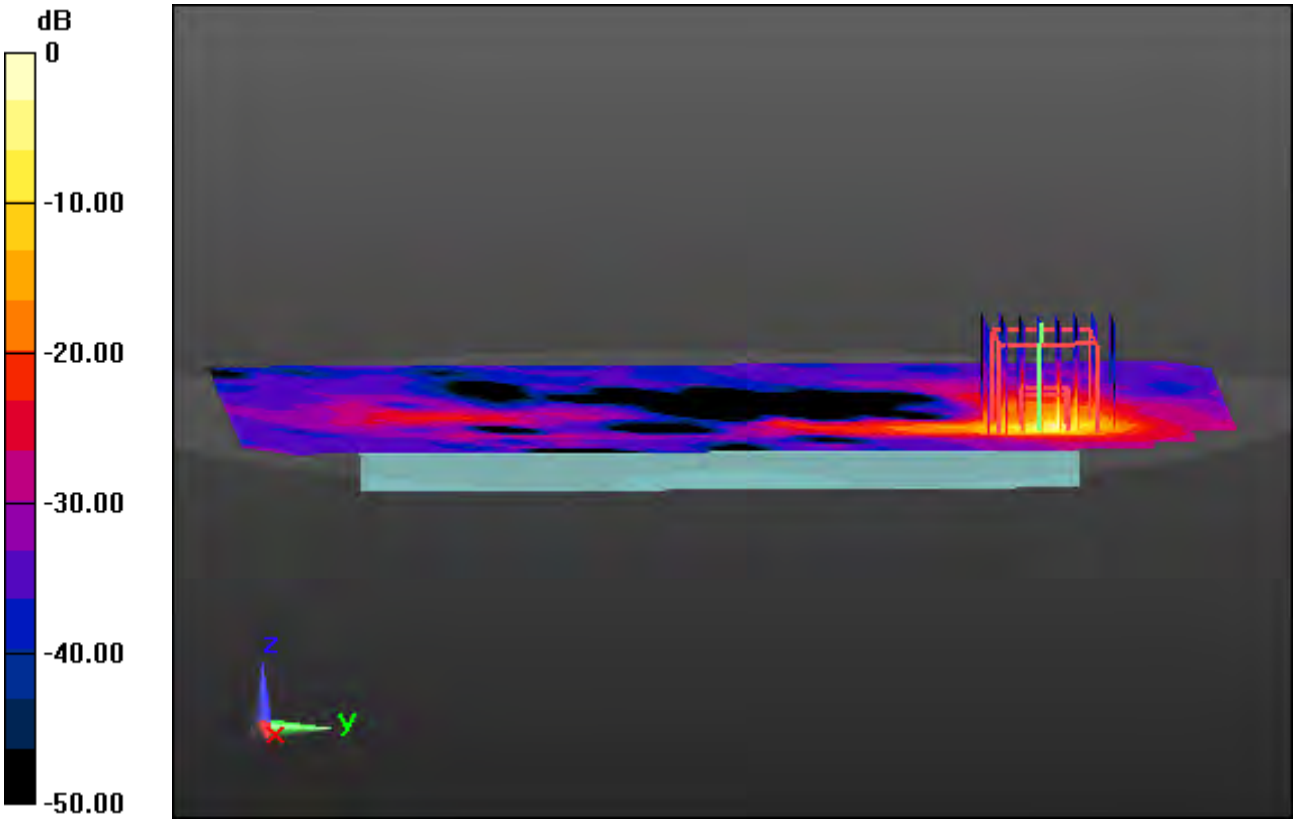
Communication System: UID 0, 00_5GHz W-LAN (0); Frequency: 5825 MHz;Duty Cycle: 1:1
Medium parameters used: f = 5825 MHz; σ = 5.921 S/m; ε_r = 48.175; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:
Probe: EX3DV4 - SN3930; ConvF(4.14, 4.14, 4.14); Calibrated: 7/26/2018; Electronics: DAE4 Sn1335
Sensor-Surface: 1.4mm (Mechanical Surface Detection)
Phantom: Twin-SAM V5.0 ; Type: QD 000 P40 CD; Serial: 1679
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

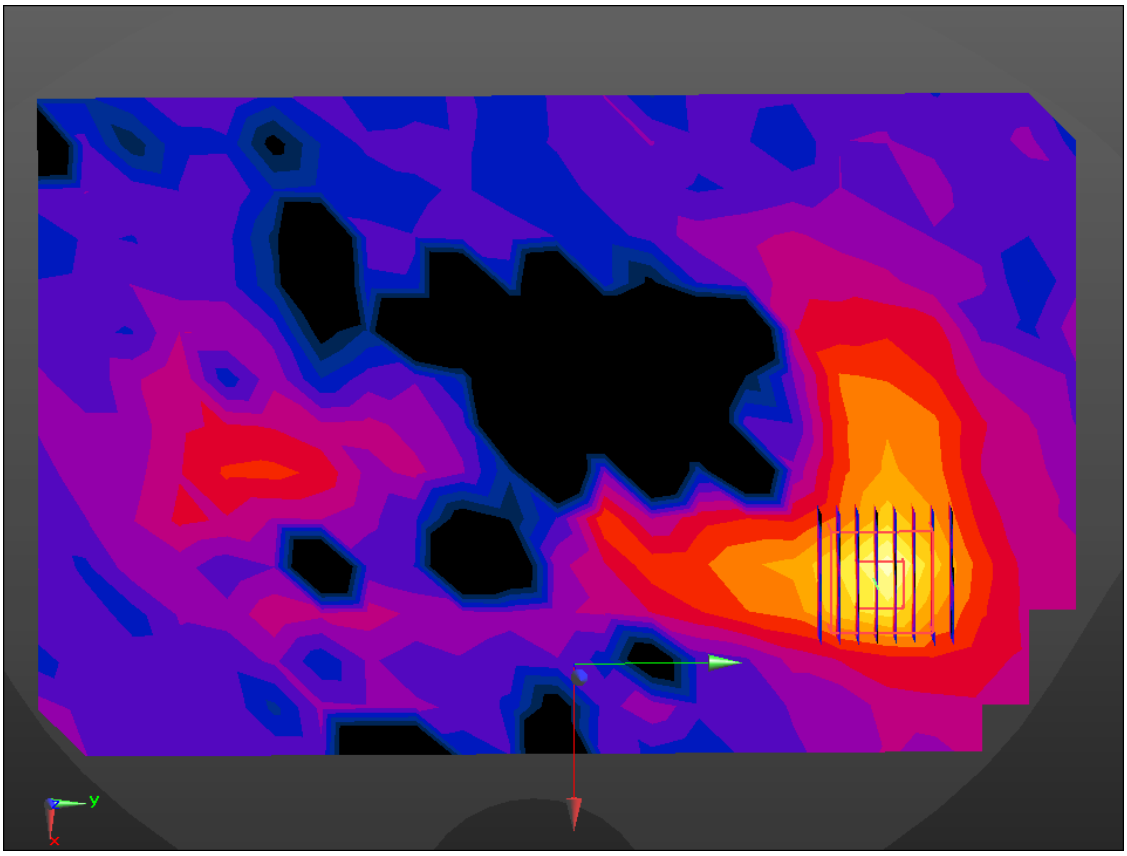
Test Date: 2019-03-28; Ambient Temp: 20.9; Tissue Temp: 21.0

Touch form Body, Rear, WLAN(802.11a) 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 = 0.19 dB
Peak SAR (extrapolated) = 45.9 W/kg
SAR(1 g) = 5.22 W/kg; SAR(10 g) = 0.898 W/kg



0 dB = 19.7 W/kg



Enlarged Plot for A39