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

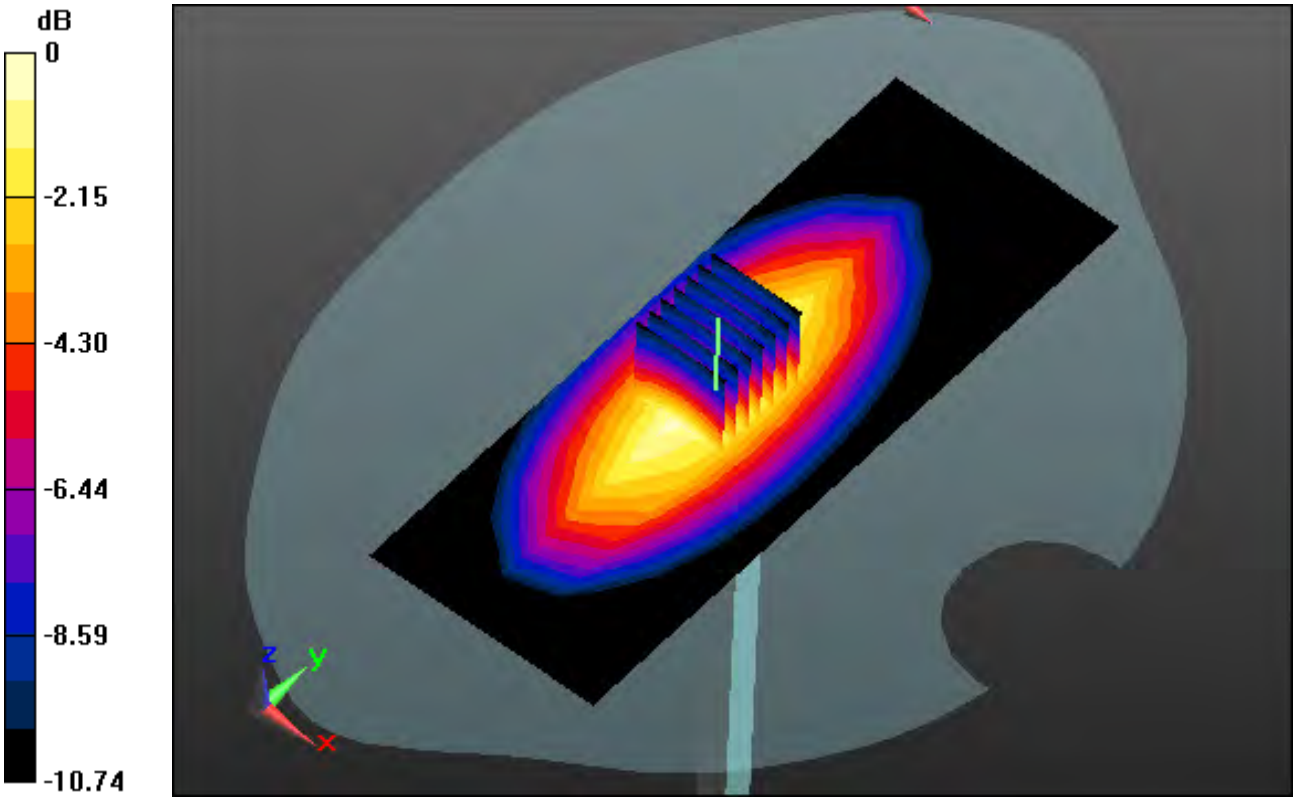
Communication System: UID 0, CW (0); Frequency: 750 MHz;Duty Cycle: 1:1
Medium parameters used: f = 750 MHz; σ = 0.904 S/m; ε_r = 40.77; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:
Probe: ES3DV3 - SN3328; ConvF(6.61, 6.61, 6.61); Calibrated: 3/21/2018; Electronics: DAE3 Sn520
Sensor-Surface: 3mm (Mechanical Surface Detection)
Phantom: SAM with CRP_2016_07_22_middle; Type: QD000P40CD; Serial: 1786
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2018-09-11; Ambient Temp: 20.5; Tissue Temp: 20.4

750 MHz System Head Verification (250mW)

Area Scan (6x15x1): Measurement grid: dx=15mm, dy=15mm
Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Power Drift = -0.01 dB
Peak SAR (extrapolated) = 3.24 W/kg
SAR(1 g) = 2.12 W/kg; SAR(10 g) = 1.36 W/kg



0 dB = 2.50 W/kg

DT&C Co., Ltd.

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

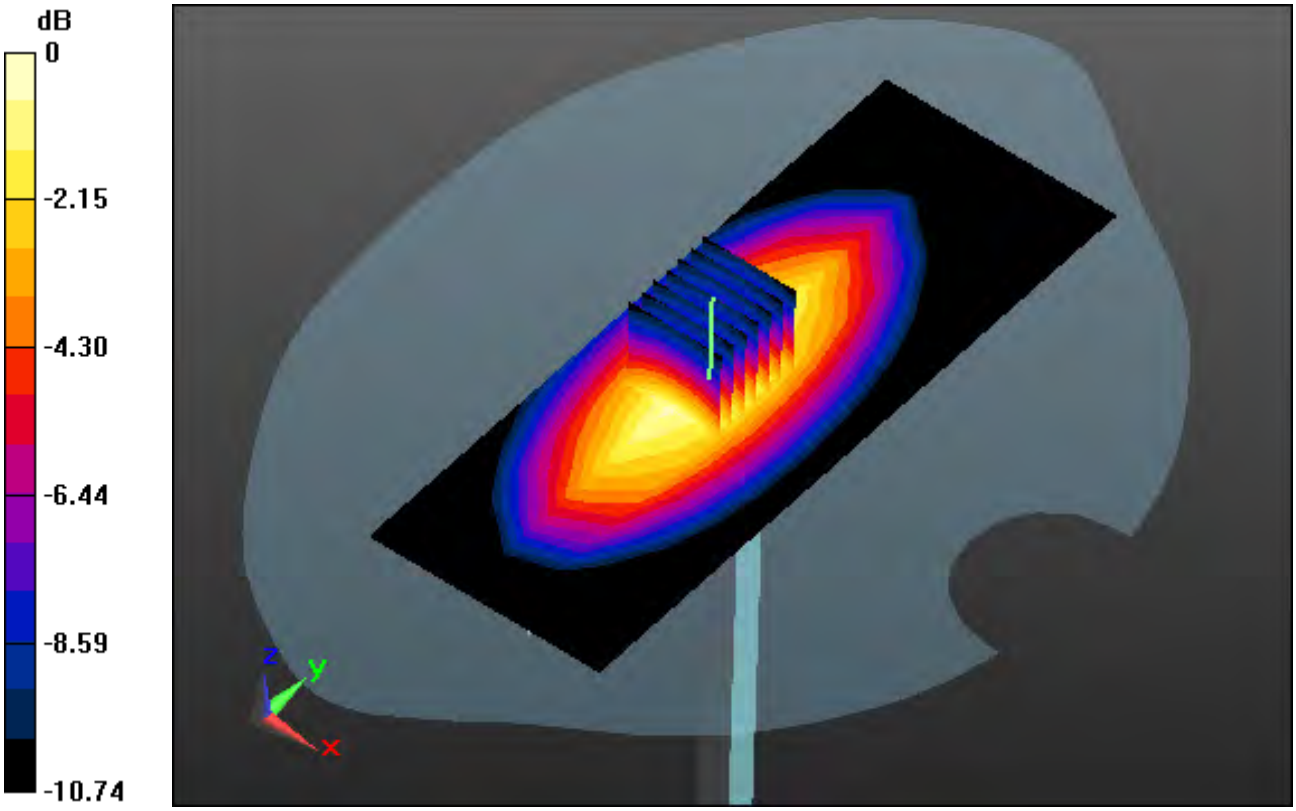
Communication System: UID 0, CW (0); Frequency: 750 MHz;Duty Cycle: 1:1
Medium parameters used: f = 750 MHz; σ = 0.972 S/m; ε_r = 53.896; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:
Probe: ES3DV3 - SN3328; ConvF(6.29, 6.29, 6.29); Calibrated: 3/21/2018; Electronics: DAE3 Sn520
Sensor-Surface: 3mm (Mechanical Surface Detection)
Phantom: SAM with CRP_2016_07_22_middle; Type: QD000P40CD; Serial: 1786
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2018-09-11; Ambient Temp: 20.5; Tissue Temp: 20.5

750 MHz System Body Verification (250mW)

Area Scan (6x15x1): Measurement grid: dx=15mm, dy=15mm
Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Power Drift = 0.04 dB
Peak SAR (extrapolated) = 3.51 W/kg
SAR(1 g) = 2.29 W/kg; SAR(10 g) = 1.52 W/kg



0 dB = 2.71 W/kg

DT&C Co., Ltd.

DUT: Dipole 835 MHz; Type: D835V2; Serial: D835V2 - SN:464

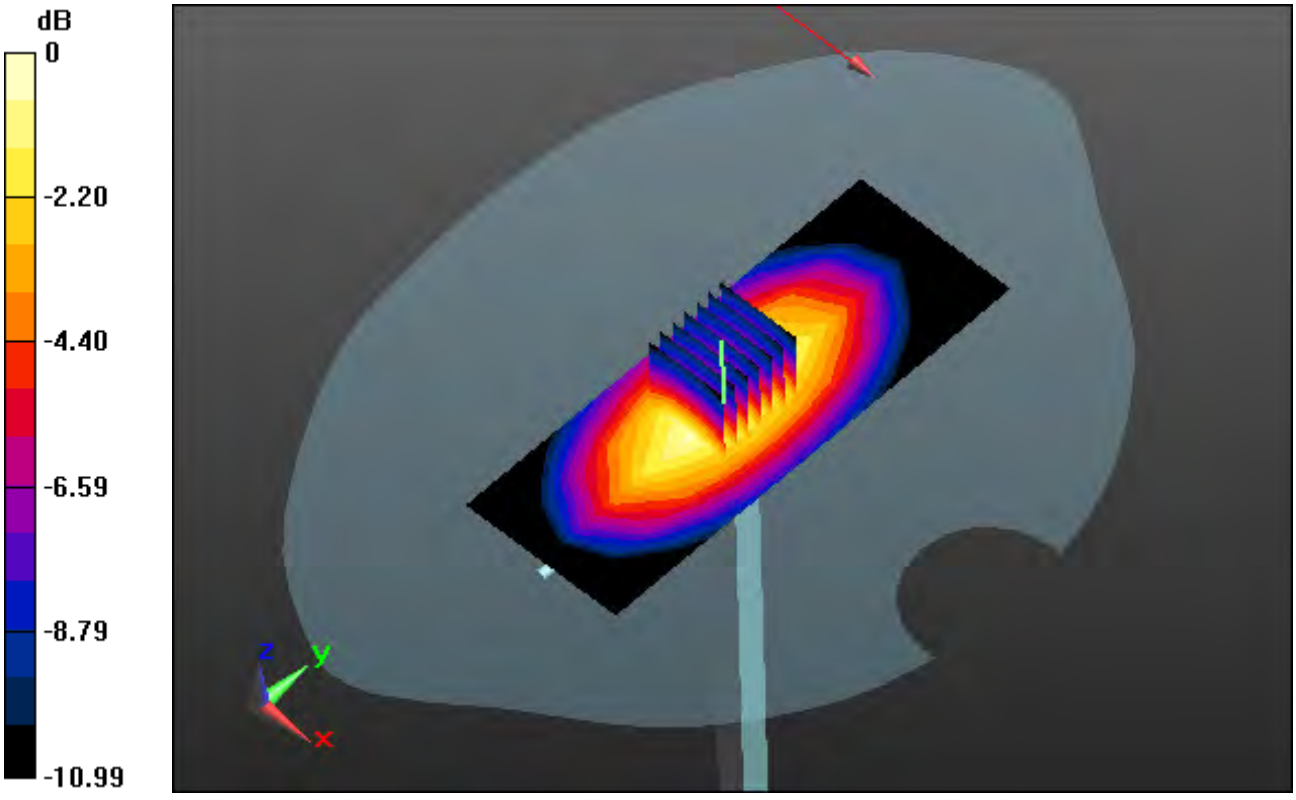
Communication System: UID 0, CW (0); Frequency: 835 MHz;Duty Cycle: 1:1
Medium parameters used: f = 835 MHz; σ = 0.893 S/m; ε_r = 40.644; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:
Probe: ES3DV3 - SN3328; ConvF(6.35, 6.35, 6.35); Calibrated: 3/21/2018; Electronics: DAE3 Sn520
Sensor-Surface: 3mm (Mechanical Surface Detection)
Phantom: SAM with CRP_2016_07_22_middle; Type: QD000P40CD; Serial: 1786
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2018-09-03; Ambient Temp: 20.8; Tissue Temp: 21.5

835 MHz System Head Verification (250mW)

Area Scan (5x12x1): Measurement grid: dx=15mm, dy=15mm
Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Power Drift = 0.04 dB
Peak SAR (extrapolated) = 3.59 W/kg
SAR(1 g) = 2.37 W/kg; SAR(10 g) = 1.53 W/kg



0 dB = 2.78 W/kg

DT&C Co., Ltd.

DUT: Dipole 835 MHz; Type: D835V2; Serial: D835V2 - SN:464

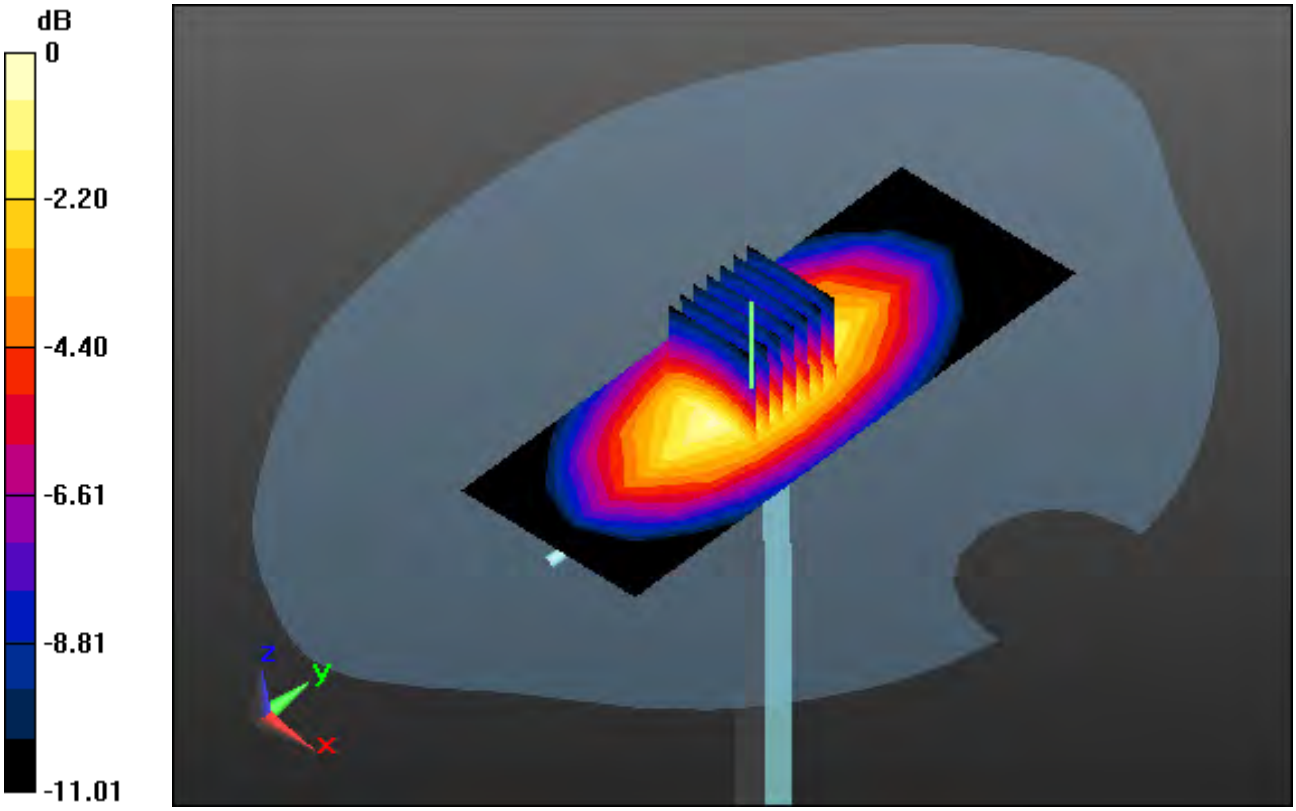
Communication System: UID 0, CW (0); Frequency: 835 MHz;Duty Cycle: 1:1
Medium parameters used: f = 835 MHz; σ = 0.96 S/m; ε_r = 55.102; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:
Probe: ES3DV3 - SN3328; ConvF(6.23, 6.23, 6.23); Calibrated: 3/21/2018; Electronics: DAE3 Sn520
Sensor-Surface: 3mm (Mechanical Surface Detection)
Phantom: SAM with CRP_2016_07_22_middle; Type: QD000P40CD; Serial: 1786
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2018-09-03; Ambient Temp: 20.8; Tissue Temp: 21.3

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) = 3.15 W/kg
SAR(1 g) = 2.3 W/kg; SAR(10 g) = 1.47 W/kg



0 dB = 2.76 W/kg

DT&C Co., Ltd.

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

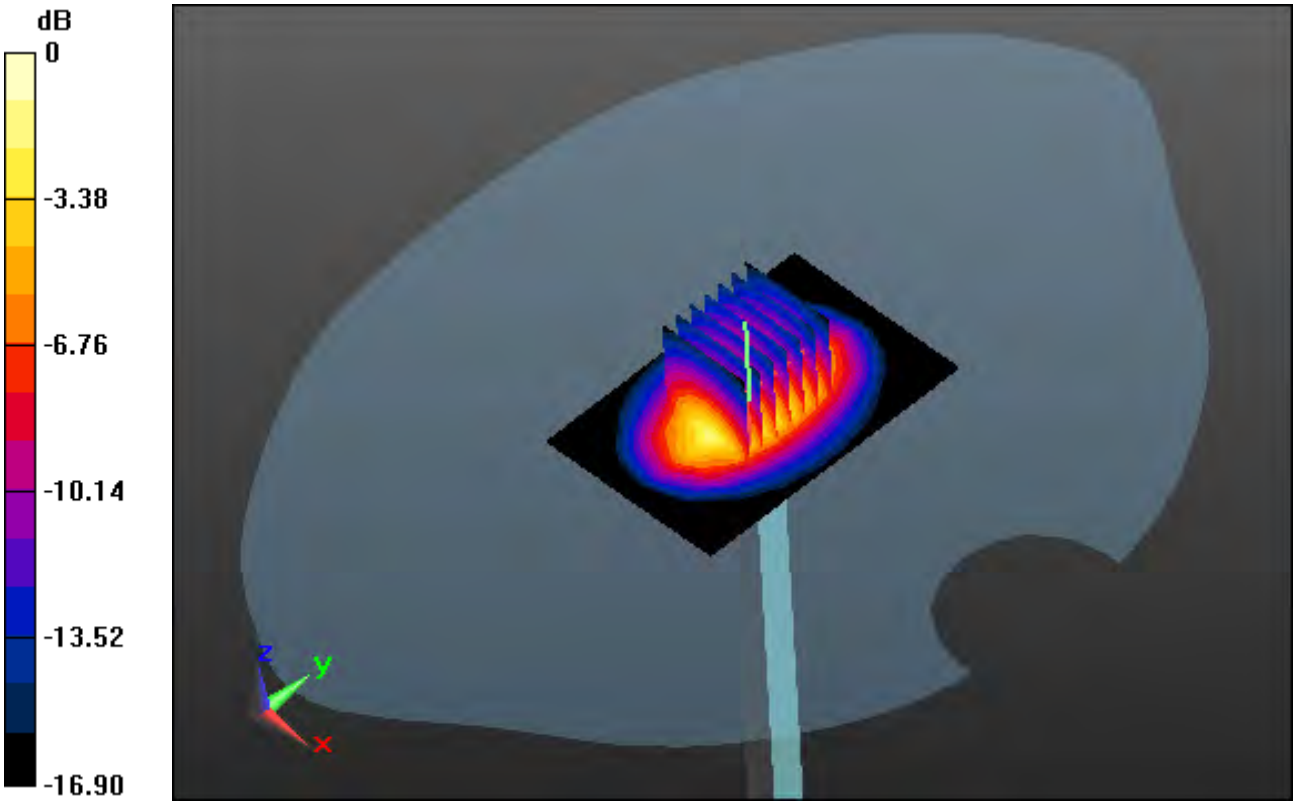
Communication System: UID 0, CW (0); Frequency: 1800 MHz;Duty Cycle: 1:1
Medium parameters used: f = 1800 MHz; σ = 1.446 S/m; ε_r = 39.746; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:
Probe: ES3DV3 - SN3328; ConvF(5.56, 5.56, 5.56); Calibrated: 3/21/2018; Electronics: DAE3 Sn520
Sensor-Surface: 3mm (Mechanical Surface Detection)
Phantom: SAM with CRP_2016_07_22_middle; Type: QD000P40CD; Serial: 1786
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2018-09-06; Ambient Temp: 21.1; Tissue Temp: 21.6

1800 MHz System Head Verification (100mW)

Area Scan (7x10x1): Measurement grid: dx=10mm, dy=10mm
Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Power Drift = 0.08 dB
Peak SAR (extrapolated) = 7.06 W/kg
SAR(1 g) = 4.01 W/kg; SAR(10 g) = 2.09 W/kg



0 dB = 6.02 W/kg

DT&C Co., Ltd.

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

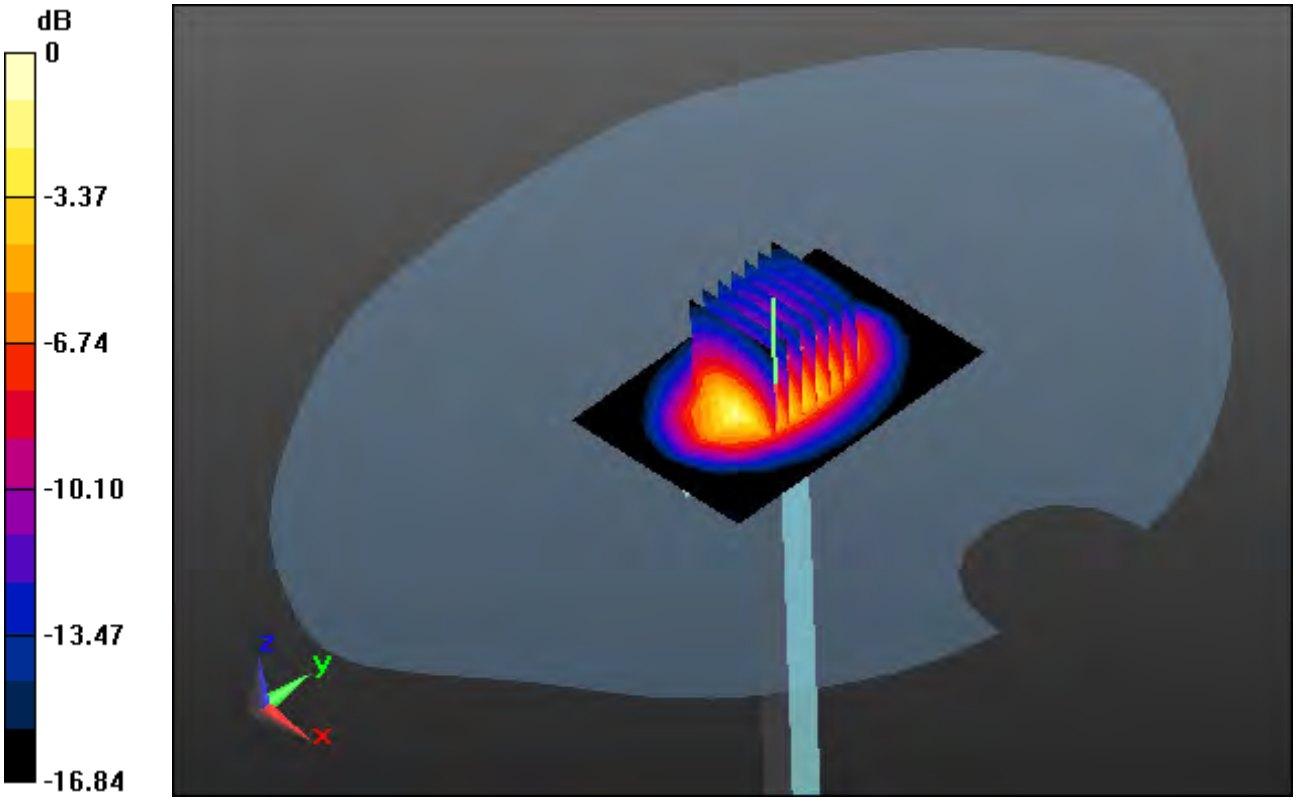
Communication System: UID 0, CW (0); Frequency: 1800 MHz;Duty Cycle: 1:1
Medium parameters used: f = 1800 MHz; σ = 1.493 S/m; ε_r = 51.739; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:
Probe: ES3DV3 - SN3328; ConvF(5.1, 5.1, 5.1); Calibrated: 3/21/2018; Electronics: DAE3 Sn520
Sensor-Surface: 3mm (Mechanical Surface Detection)
Phantom: SAM with CRP_2016_07_22_middle; Type: QD000P40CD; Serial: 1786
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2018-09-06; Ambient Temp: 21.1; Tissue Temp: 21.7

1800 MHz System Body Verification (100mW)

Area Scan (7x10x1): Measurement grid: dx=10mm, dy=10mm
Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Power Drift = 0.07 dB
Peak SAR (extrapolated) = 6.81 W/kg
SAR(1 g) = 4.08 W/kg; SAR(10 g) = 2.1 W/kg



0 dB = 6.24 W/kg

DT&C Co., Ltd.

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

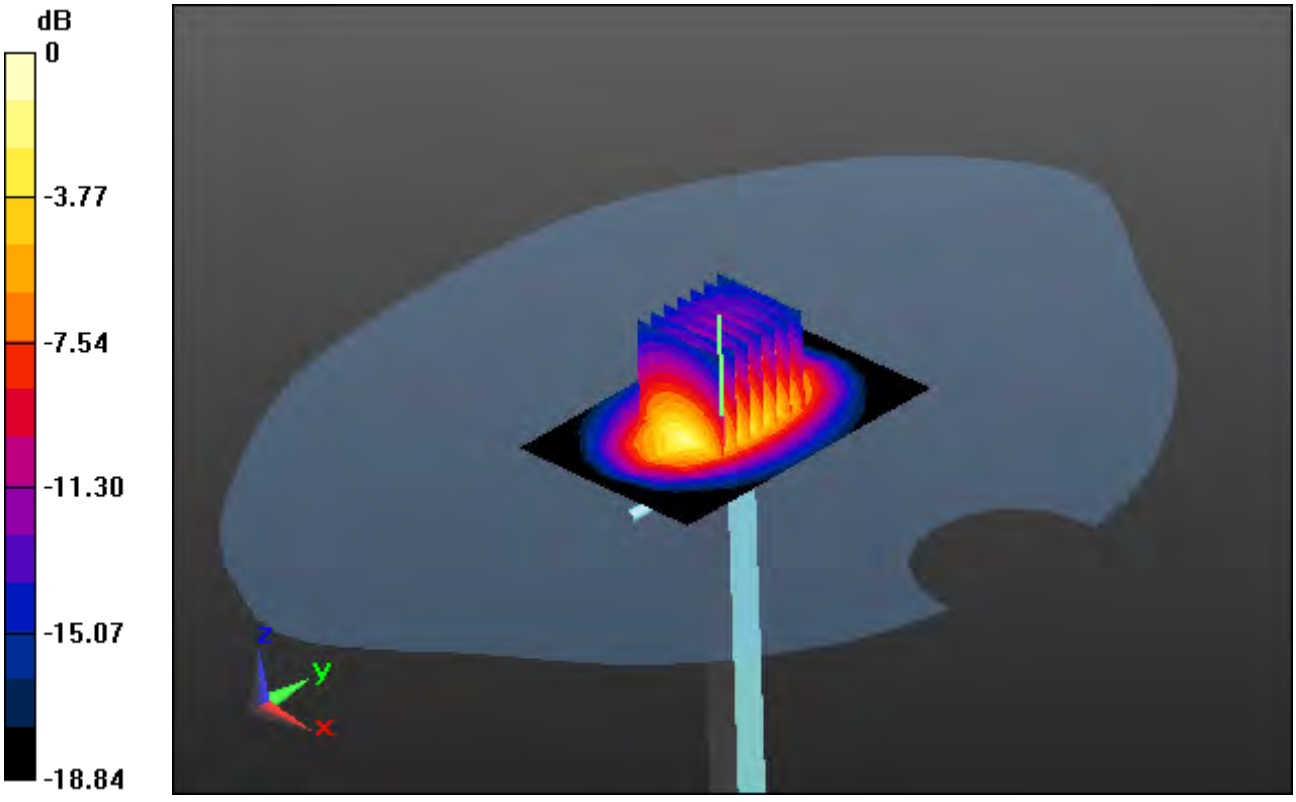
Communication System: UID 0, CW (0); Frequency: 1800 MHz;Duty Cycle: 1:1
Medium parameters used: f = 1800 MHz; σ = 1.438 S/m; ε_r = 40.173; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:
Probe: ES3DV3 - SN3328; ConvF(5.56, 5.56, 5.56); Calibrated: 3/21/2018; Electronics: DAE3 Sn520
Sensor-Surface: 3mm (Mechanical Surface Detection)
Phantom: SAM with CRP_2016_07_22_middle; Type: QD000P40CD; Serial: 1786
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2018-09-10; Ambient Temp: 20.7; Tissue Temp: 20.6

1800 MHz System Head Verification (100mW)

Area Scan (7x10x1): Measurement grid: dx=10mm, dy=10mm
Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Power Drift = -0.05 dB
Peak SAR (extrapolated) = 6.02 W/kg
SAR(1 g) = 3.89 W/kg; SAR(10 g) = 2.08 W/kg



0 dB = 5.48 W/kg

DT&C Co., Ltd.

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

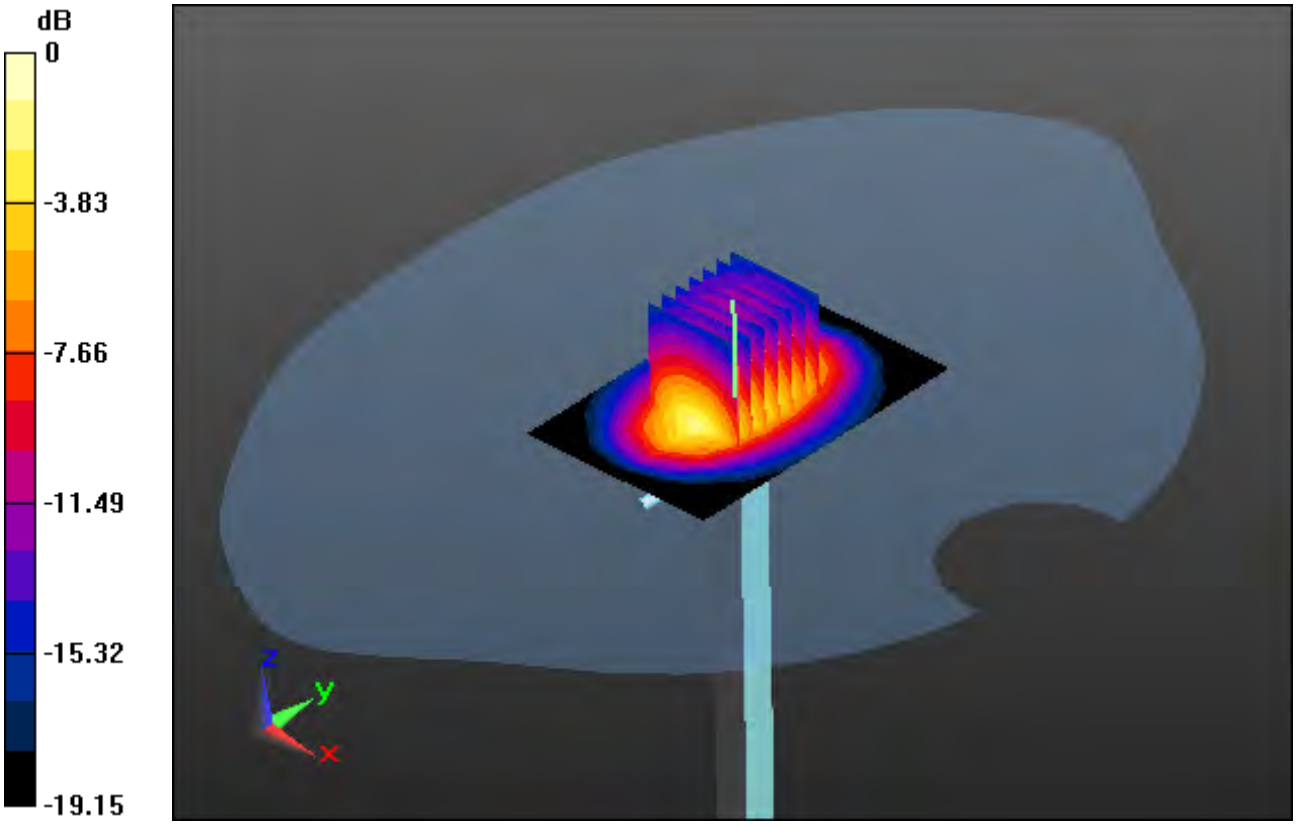
Communication System: UID 0, CW (0); Frequency: 1800 MHz;Duty Cycle: 1:1
Medium parameters used: f = 1800 MHz; σ = 1.496 S/m; ε_r = 51.915; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:
Probe: ES3DV3 - SN3328; ConvF(5.1, 5.1, 5.1); Calibrated: 3/21/2018; Electronics: DAE3 Sn520
Sensor-Surface: 3mm (Mechanical Surface Detection)
Phantom: SAM with CRP_2016_07_22_middle; Type: QD000P40CD; Serial: 1786
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2018-09-10; Ambient Temp: 20.7; Tissue Temp: 20.8

1800 MHz System Body Verification (100mW)

Area Scan (7x10x1): Measurement grid: dx=10mm, dy=10mm
Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Power Drift = -0.04 dB
Peak SAR (extrapolated) = 6.13 W/kg
SAR(1 g) = 3.98 W/kg; SAR(10 g) = 2.11 W/kg



0 dB = 5.35 W/kg

DT&C Co., Ltd.

DUT: Dipole 1900 MHz; Type: D1900V2; Serial: D1900V2 - SN:5d029

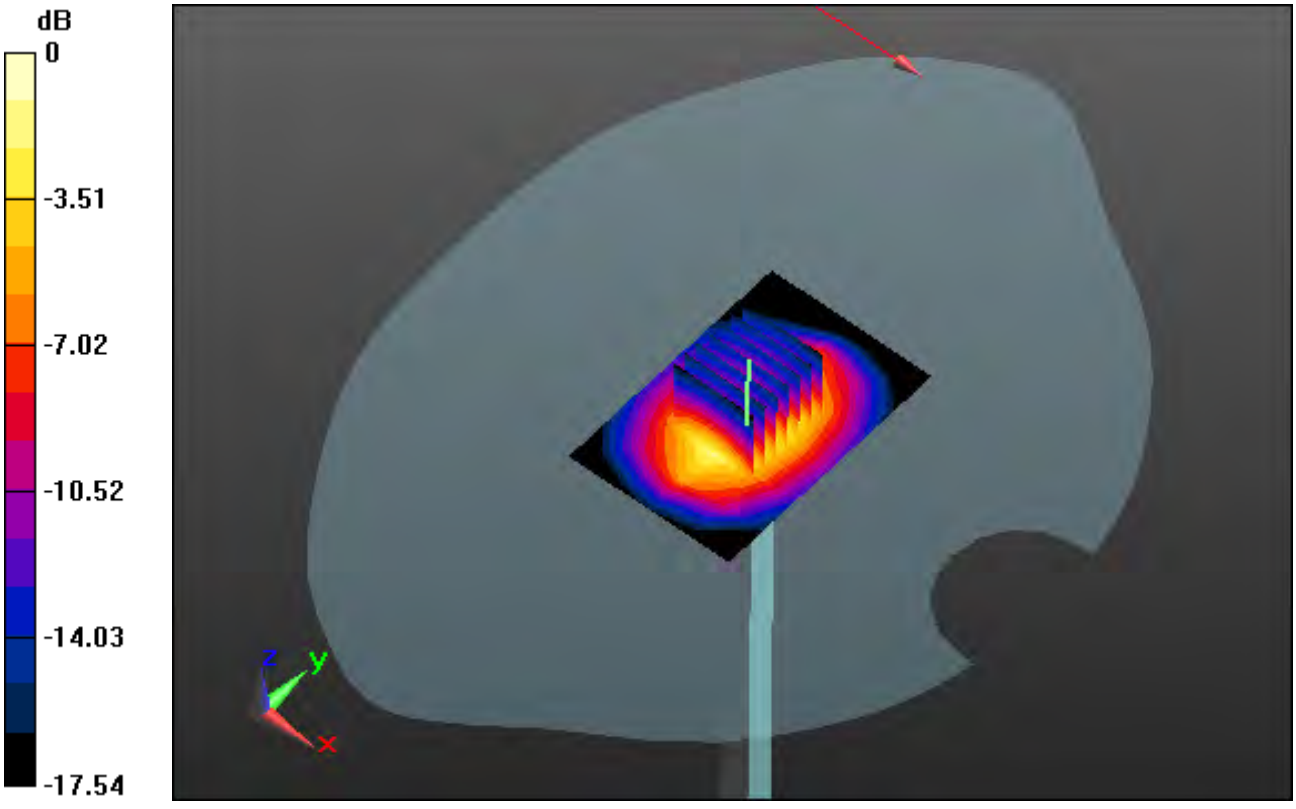
Communication System: UID 0, CW (0); Frequency: 1900 MHz;Duty Cycle: 1:1
Medium parameters used: f = 1900 MHz; σ = 1.424 S/m; ε_r = 38.765; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:
Probe: ES3DV3 - SN3328; ConvF(5.26, 5.26, 5.26); Calibrated: 3/21/2018; Electronics: DAE3 Sn520
Sensor-Surface: 3mm (Mechanical Surface Detection)
Phantom: SAM with CRP_2016_07_22_middle; Type: QD000P40CD; Serial: 1786
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2018-09-04; Ambient Temp: 20.6; Tissue Temp: 21.7

1900 MHz System Head Verification (100mW)

Area Scan (5x7x1): Measurement grid: dx=15mm, dy=15mm
Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Power Drift = 0.02 dB
Peak SAR (extrapolated) = 6.3 W/kg
SAR(1 g) = 3.76 W/kg; SAR(10 g) = 2.02 W/kg



0 dB = 4.86 W/kg

DT&C Co., Ltd.

DUT: Dipole 1900 MHz; Type: D1900V2; Serial: D1900V2 - SN:5d029

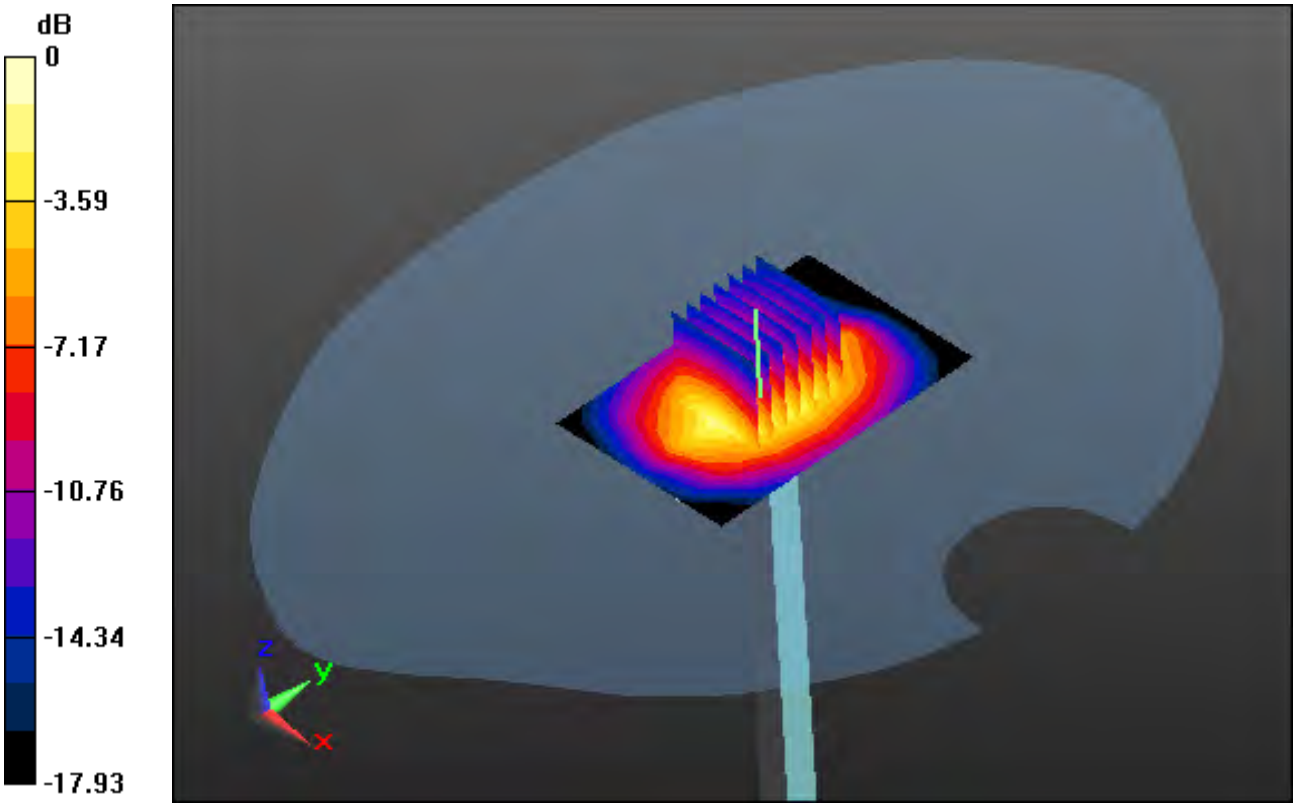
Communication System: UID 0, CW (0); Frequency: 1900 MHz;Duty Cycle: 1:1
Medium parameters used: f = 1900 MHz; σ = 1.541 S/m; ε_r = 51.58; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:
Probe: ES3DV3 - SN3328; ConvF(4.88, 4.88, 4.88); Calibrated: 3/21/2018; Electronics: DAE3 Sn520
Sensor-Surface: 3mm (Mechanical Surface Detection)
Phantom: SAM with CRP_2016_07_22_middle; Type: QD000P40CD; Serial: 1786
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2018-09-04; Ambient Temp: 20.6; Tissue Temp: 21.6

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 = 0.06 dB
Peak SAR (extrapolated) = 6.61 W/kg
SAR(1 g) = 3.88 W/kg; SAR(10 g) = 2.07 W/kg



0 dB = 5.13 W/kg

DT&C Co., Ltd.

DUT: Dipole 1900 MHz; Type: D1900V2; Serial: D1900V2 - SN:5d029

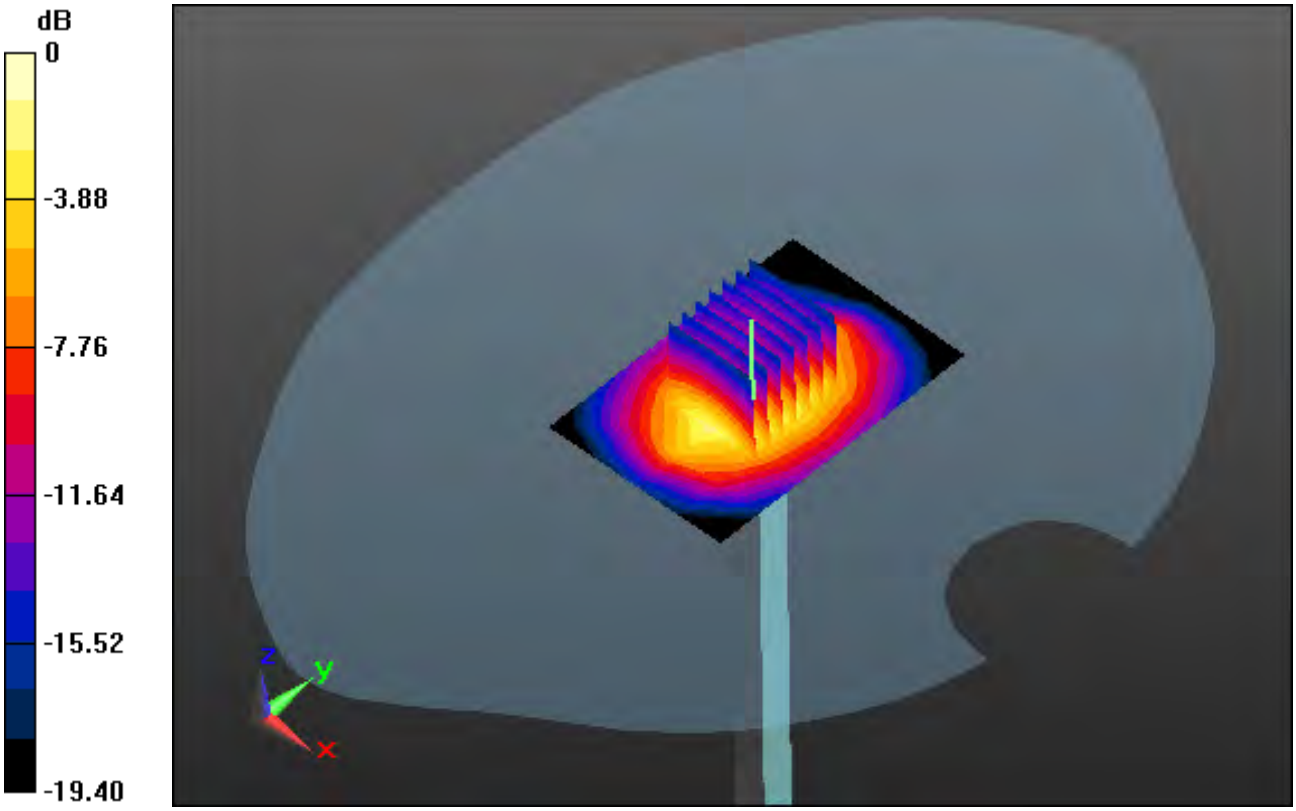
Communication System: UID 0, CW (0); Frequency: 1900 MHz;Duty Cycle: 1:1
Medium parameters used: f = 1900 MHz; σ = 1.431 S/m; ε_r = 38.99; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:
Probe: ES3DV3 - SN3328; ConvF(5.26, 5.26, 5.26); Calibrated: 3/21/2018; Electronics: DAE3 Sn520
Sensor-Surface: 3mm (Mechanical Surface Detection)
Phantom: SAM with CRP_2016_07_22_middle; Type: QD000P40CD; Serial: 1786
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2018-09-05; Ambient Temp: 21.0; Tissue Temp: 21.5

1900 MHz System Head Verification (100mW)

Area Scan (5x7x1): Measurement grid: dx=15mm, dy=15mm
Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Power Drift = -0.04 dB
Peak SAR (extrapolated) = 6.3 W/kg
SAR(1 g) = 3.9 W/kg; SAR(10 g) = 2.13 W/kg



0 dB = 5.80 W/kg

DT&C Co., Ltd.

DUT: Dipole 1900 MHz; Type: D1900V2; Serial: D1900V2 - SN:5d029

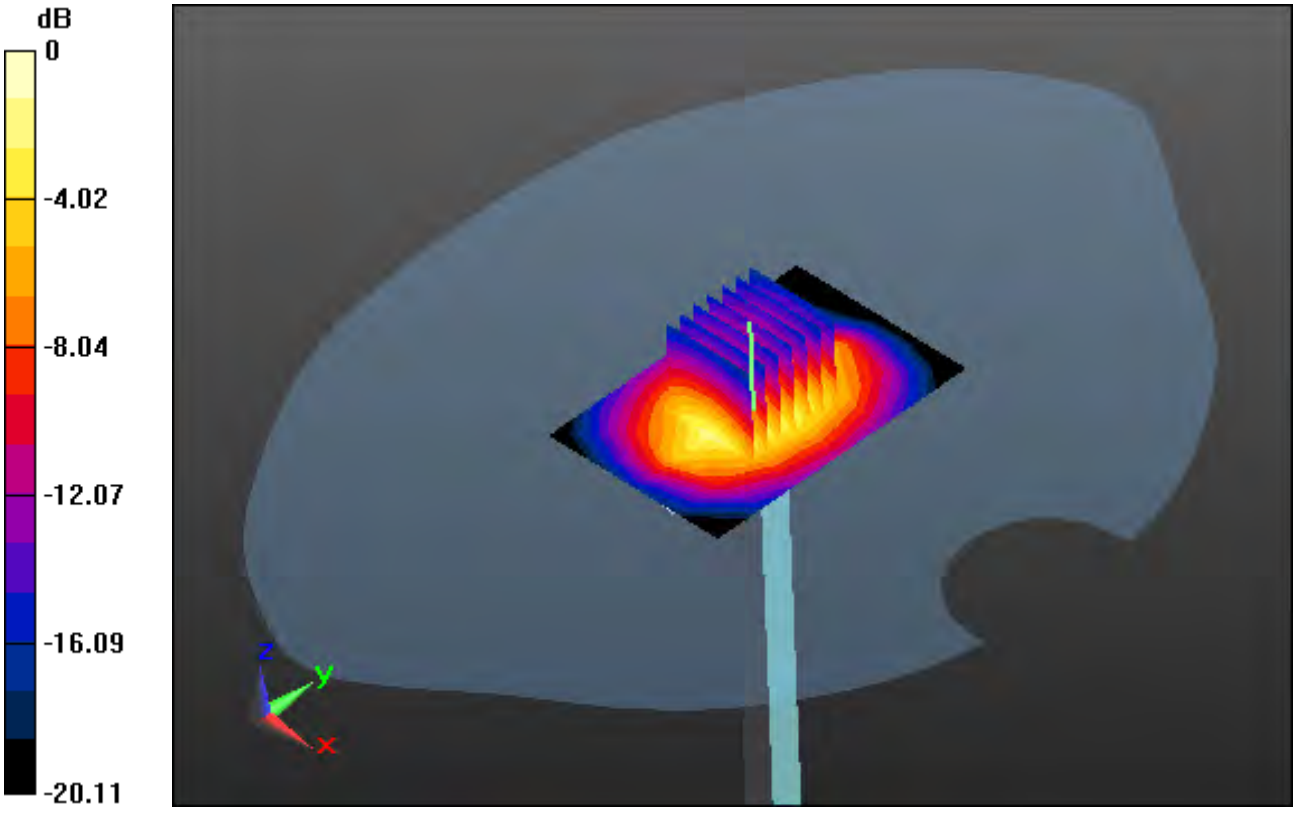
Communication System: UID 0, CW (0); Frequency: 1900 MHz;Duty Cycle: 1:1
Medium parameters used: f = 1900 MHz; σ = 1.548 S/m; ε_r = 51.753; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:
Probe: ES3DV3 - SN3328; ConvF(4.88, 4.88, 4.88); Calibrated: 3/21/2018; Electronics: DAE3 Sn520
Sensor-Surface: 3mm (Mechanical Surface Detection)
Phantom: SAM with CRP_2016_07_22_middle; Type: QD000P40CD; Serial: 1786
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2018-09-05; Ambient Temp: 21.0; Tissue Temp: 21.3

1900 MHz System Body Verification (100mW)

Area Scan (5x7x1): Measurement grid: dx=15mm, dy=15mm
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Power Drift = 0.06 dB
Peak SAR (extrapolated) = 6.65 W/kg
SAR(1 g) = 3.9 W/kg; SAR(10 g) = 2.08 W/kg



0 dB = 5.16 W/kg

DT&C Co., Ltd.

DUT: Dipole 1900 MHz; Type: D1900V2; Serial: D1900V2 - SN:5d029

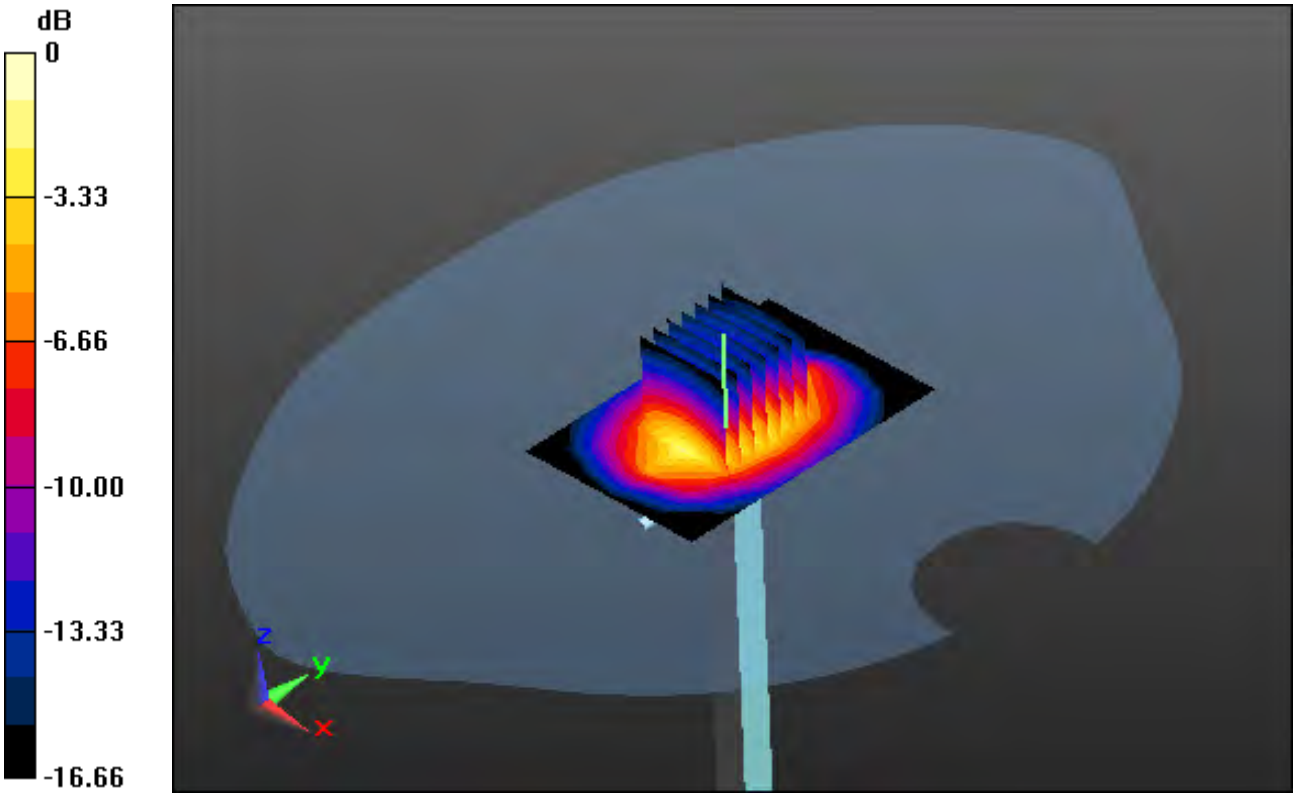
Communication System: UID 0, CW (0); Frequency: 1900 MHz;Duty Cycle: 1:1
Medium parameters used: f = 1900 MHz; σ = 1.433 S/m; ε_r = 39.168; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:
Probe: ES3DV3 - SN3328; ConvF(5.26, 5.26, 5.26); Calibrated: 3/21/2018; Electronics: DAE3 Sn520
Sensor-Surface: 3mm (Mechanical Surface Detection)
Phantom: SAM with CRP_2016_07_22_middle; Type: QD000P40CD; Serial: 1786
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2018-09-07; Ambient Temp: 20.8; 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 = 0.03 dB
Peak SAR (extrapolated) = 6.94 W/kg
SAR(1 g) = 4.14 W/kg; SAR(10 g) = 2.14 W/kg



0 dB = 5.81 W/kg

DT&C Co., Ltd.

DUT: Dipole 1900 MHz; Type: D1900V2; Serial: D1900V2 - SN:5d029

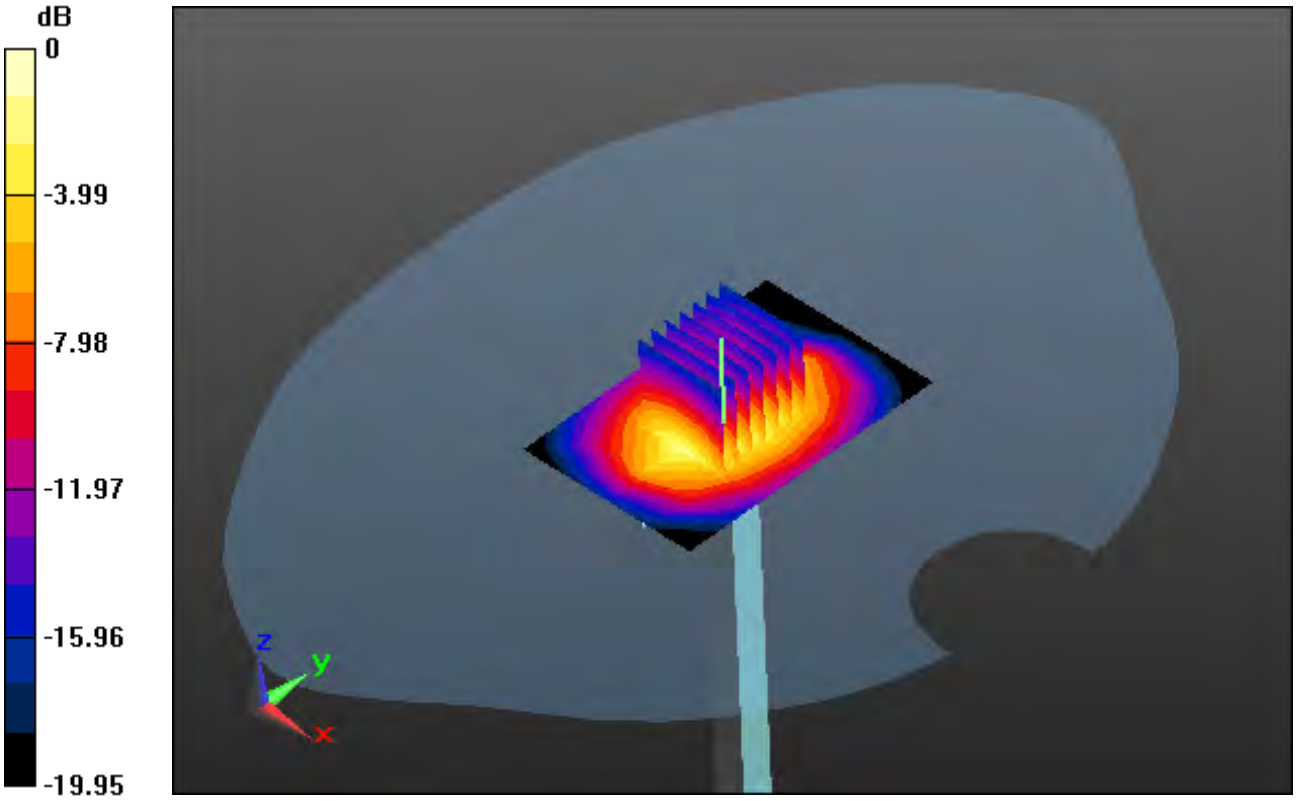
Communication System: UID 0, CW (0); Frequency: 1900 MHz;Duty Cycle: 1:1
Medium parameters used: f = 1900 MHz; σ = 1.548 S/m; ε_r = 51.796; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:
Probe: ES3DV3 - SN3328; ConvF(4.88, 4.88, 4.88); Calibrated: 3/21/2018; Electronics: DAE3 Sn520
Sensor-Surface: 3mm (Mechanical Surface Detection)
Phantom: SAM with CRP_2016_07_22_middle; Type: QD000P40CD; Serial: 1786
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2018-09-07; Ambient Temp: 20.8; 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) = 7.05 W/kg
SAR(1 g) = 4.1 W/kg; SAR(10 g) = 2.18 W/kg



0 dB = 5.76 W/kg

DT&C Co., Ltd.

DUT: Dipole 2450 MHz; Type: D2450V2; Serial: D2450V2 - SN:726

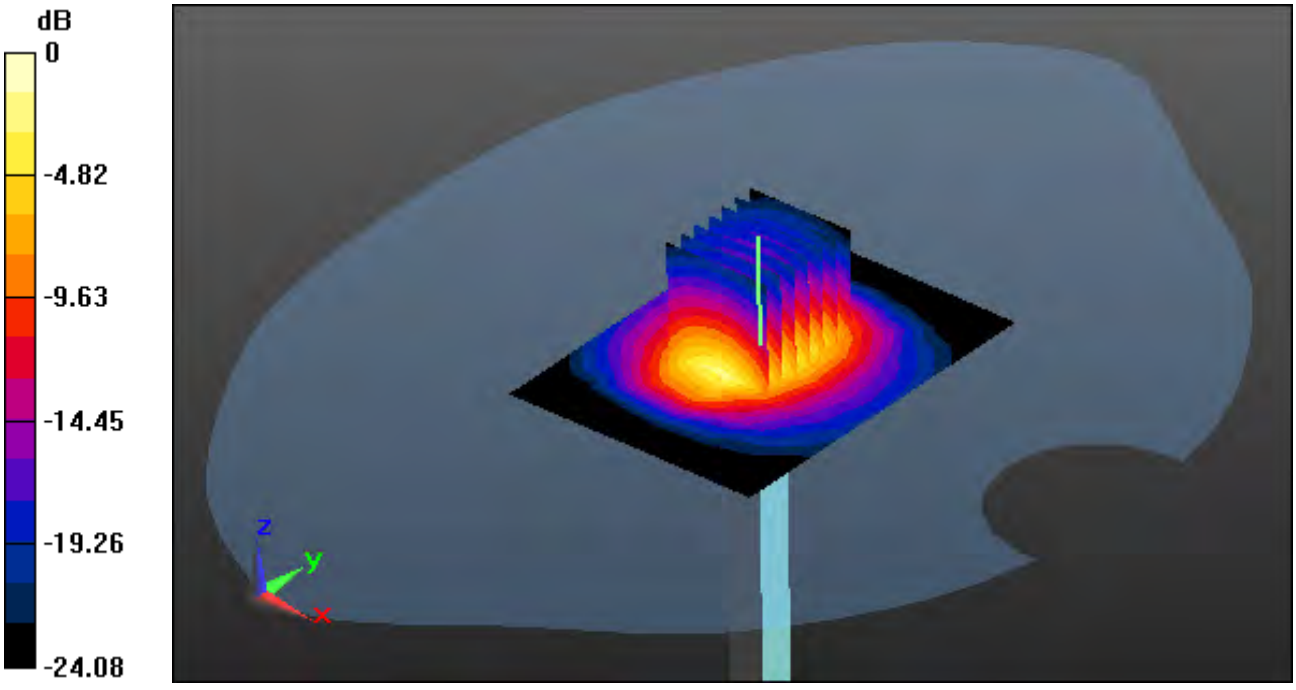
Communication System: UID 0, CW; Frequency: 2450 MHz; Duty Cycle: 1:1
Medium parameters used: f = 2450 MHz; σ = 1.754 S/m; ε_r = 40.339; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:
Probe: EX3DV4 - SN3866; ConvF(7.45, 7.45, 7.45); Calibrated: 5/31/2018; Electronics: DAE4 Sn1394
Sensor-Surface: 2mm (Mechanical Surface Detection)
Phantom: SAM-twin right_2013_09_24; Type: QD000P40CD; Serial: 1783
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2018-09-06; Ambient Temp: 20.9; Tissue Temp: 21.2

2450 MHz System Head Verification (100 mW)

Area Scan (7x9x1): Measurement grid: dx=12mm, dy=12mm
Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Power Drift = -0.13 dB
Peak SAR (extrapolated) = 10.6 W/kg
SAR(1 g) = 4.93 W/kg; SAR(10 g) = 2.35 W/kg



0 dB = 7.65 W/kg

DT&C Co., Ltd.

DUT: Dipole 2450 MHz; Type: D2450V2; Serial: D2450V2 - SN:726

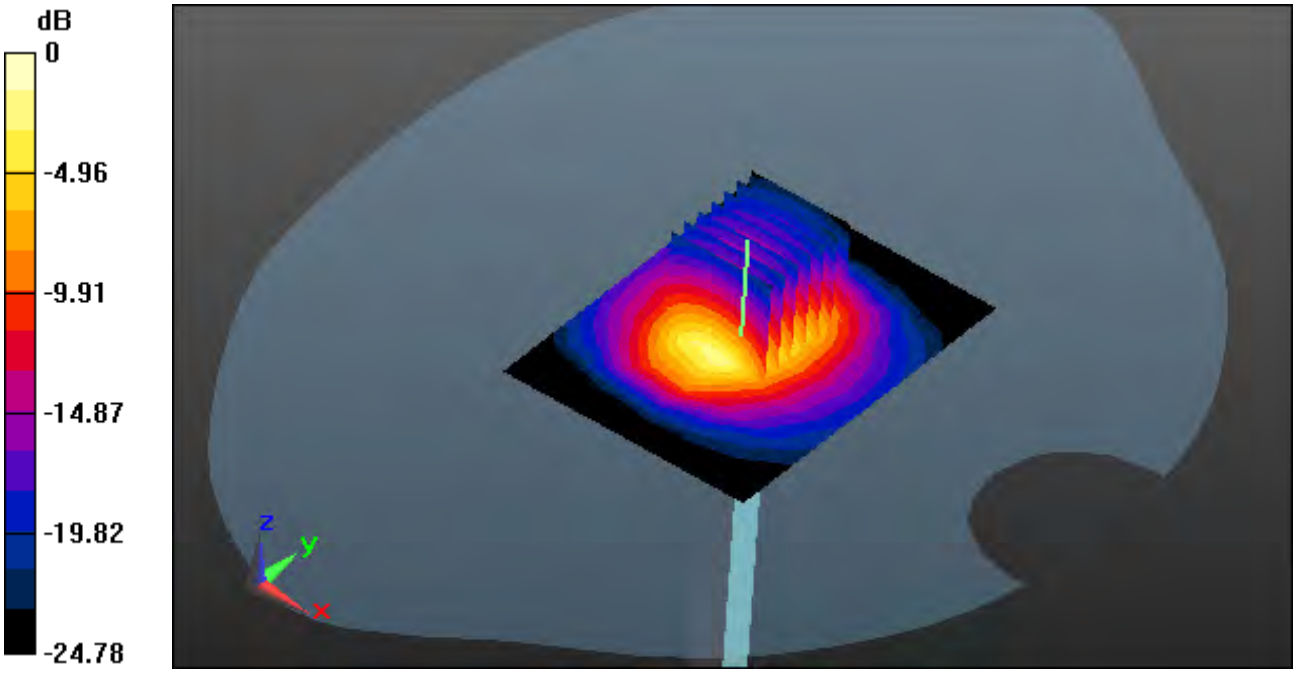
Communication System: UID 0, CW; Frequency: 2450 MHz; Duty Cycle: 1:1
Medium parameters used: f = 2450 MHz; σ = 1.977 S/m; ε_r = 52.357; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:
Probe: EX3DV4 - SN3866; ConvF(7.4, 7.4, 7.4); Calibrated: 5/31/2018; Electronics: DAE4 Sn1394
Sensor-Surface: 2mm (Mechanical Surface Detection)
Phantom: SAM-twin middle_2013_09_24; Type: QD000P40CD; Serial: 1782
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2018-09-07; Ambient Temp: 20.7; Tissue Temp: 21.1

2450 MHz System Body Verification (100 mW)

Area Scan (7x9x1): Measurement grid: dx=12mm, dy=12mm
Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Power Drift = -0.09 dB
Peak SAR (extrapolated) = 7.29 W/kg
SAR(1 g) = 4.89 W/kg; SAR(10 g) = 2.33 W/kg



0 dB = 5.12 W/kg

DT&C Co., Ltd.

DUT: Dipole 5000 MHz; Type: D5GHzV2; Serial: D5GHzV2 - SN:1212

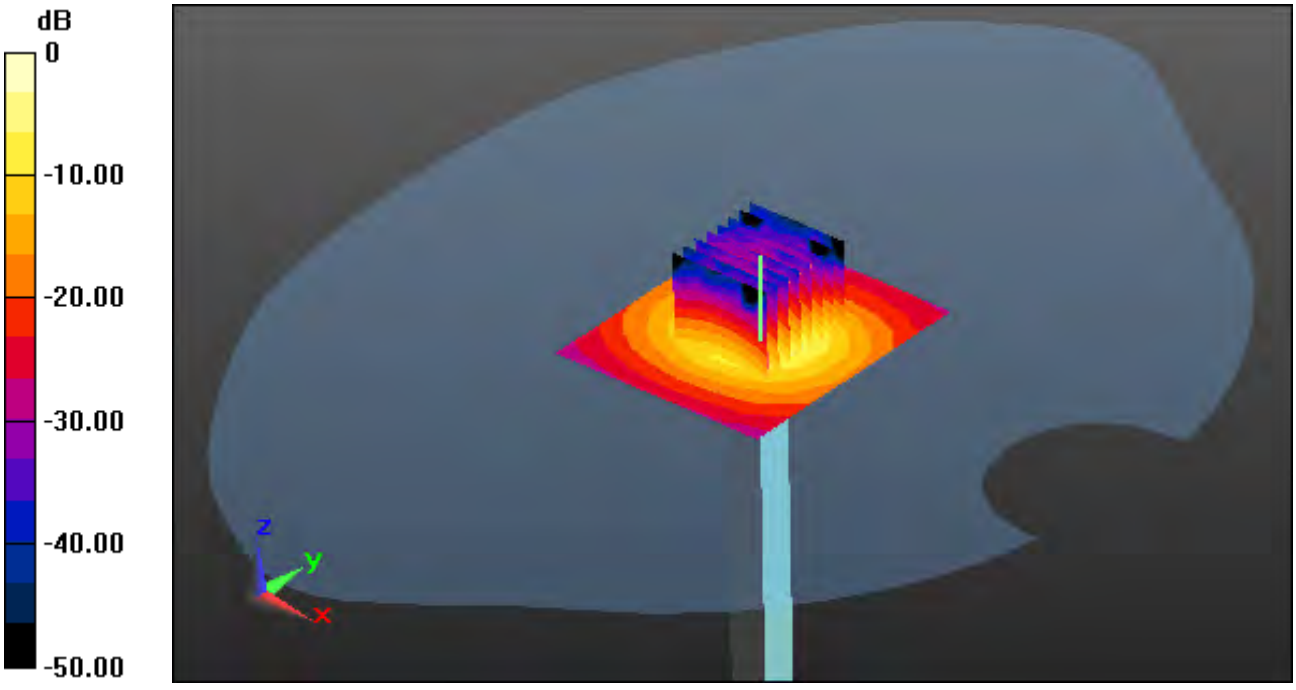
Communication System: UID 0, CW (0); Frequency: 5200 MHz; Duty Cycle: 1:1
Medium parameters used: f = 5200 MHz; σ = 4.748 S/m; ε_r = 35.839; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:
Probe: EX3DV4 - SN3866; ConvF(5.14, 5.14, 5.14); Calibrated: 5/31/2018; Electronics: DAE4 Sn1394
Sensor-Surface: 1.4mm (Mechanical Surface Detection)
Phantom: SAM-twin right_2013_09_24; Type: QD000P40CD; Serial: 1783
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2018-09-14; Ambient Temp: 20.9; Tissue Temp: 20.8

5200 MHz System Head Verification (100 mW)

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 = -0.17 dB
Peak SAR (extrapolated) = 32.6 W/kg
SAR(1 g) = 7.98 W/kg; SAR(10 g) = 2.23 W/kg



0 dB = 18.7 W/kg

DT&C Co., Ltd.

DUT: Dipole 5000 MHz; Type: D5GHzV2; Serial: D5GHzV2 - SN:1212

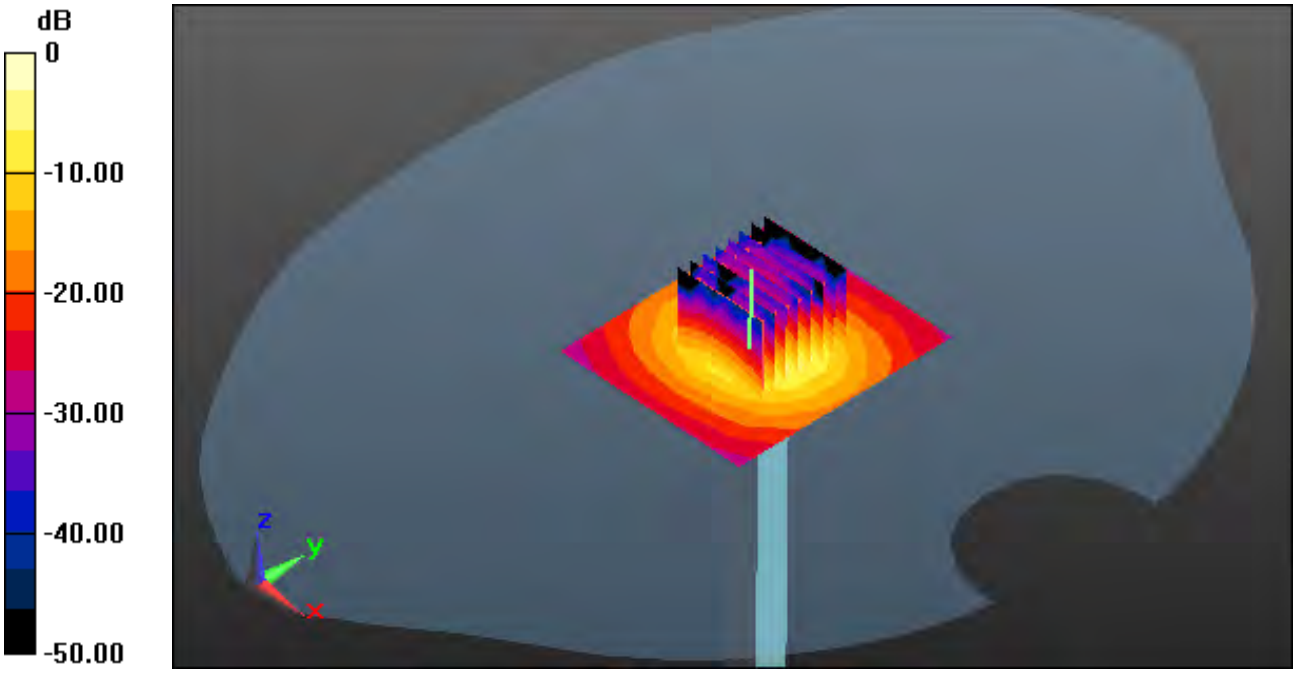
Communication System: UID 0, CW (0); Frequency: 5200 MHz; Duty Cycle: 1:1
Medium parameters used: f = 5200 MHz; σ = 5.302 S/m; ε_r = 48.532; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:
Probe: EX3DV4 - SN3866; ConvF(4.69, 4.69, 4.69); Calibrated: 5/31/2018; Electronics: DAE4 Sn1394
Sensor-Surface: 1.4mm (Mechanical Surface Detection)
Phantom: SAM-twin middle_2013_09_24; Type: QD000P40CD; Serial: 1782
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2018-09-17; Ambient Temp: 21.0; Tissue Temp: 20.8

5200 MHz System Body Verification (100 mW)

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 = -0.17 dB
Peak SAR (extrapolated) = 22.7 W/kg
SAR(1 g) = 7.13 W/kg; SAR(10 g) = 1.97 W/kg



0 dB = 16.63 W/kg

DT&C Co., Ltd.

DUT: Dipole 5000 MHz; Type: D5GHzV2; Serial: D5GHzV2 - SN:1212

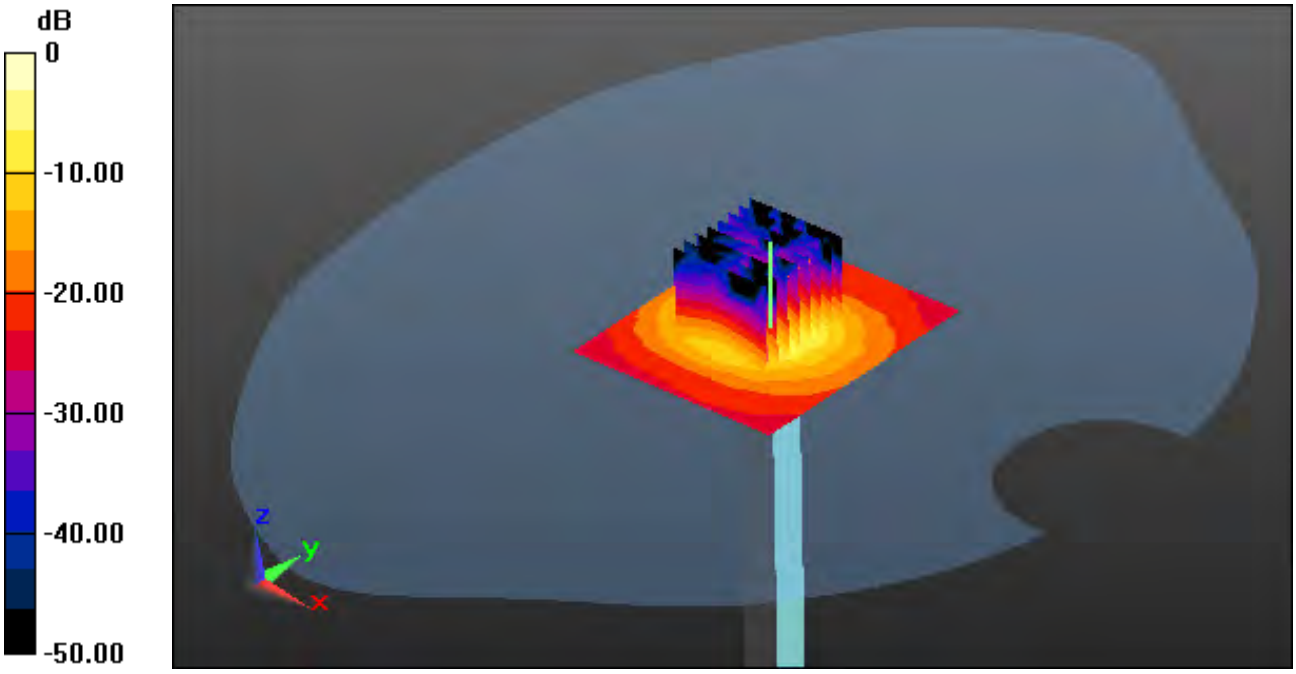
Communication System: UID 0, CW (0); Frequency: 5300 MHz; Duty Cycle: 1:1
Medium parameters used: f = 5300 MHz; σ = 5.396 S/m; ε_r = 47.729; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:
Probe: EX3DV4 - SN3866; ConvF(4.5, 4.5, 4.5); Calibrated: 5/31/2018; Electronics: DAE4 Sn1394
Sensor-Surface: 1.4mm (Mechanical Surface Detection)
Phantom: SAM-twin middle_2013_09_24; Type: QD000P40CD; Serial: 1782
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2018-09-21; Ambient Temp: 21.5; Tissue Temp: 21.3

5300 MHz System Body Verification (100 mW)

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 = 0.09 dB
Peak SAR (extrapolated) = 38.3 W/kg
SAR(1 g) = 7.44 W/kg; SAR(10 g) = 2.01 W/kg



0 dB = 18.3 W/kg

DT&C Co., Ltd.

DUT: Dipole 5000 MHz; Type: D5GHzV2; Serial: D5GHzV2 - SN:1212

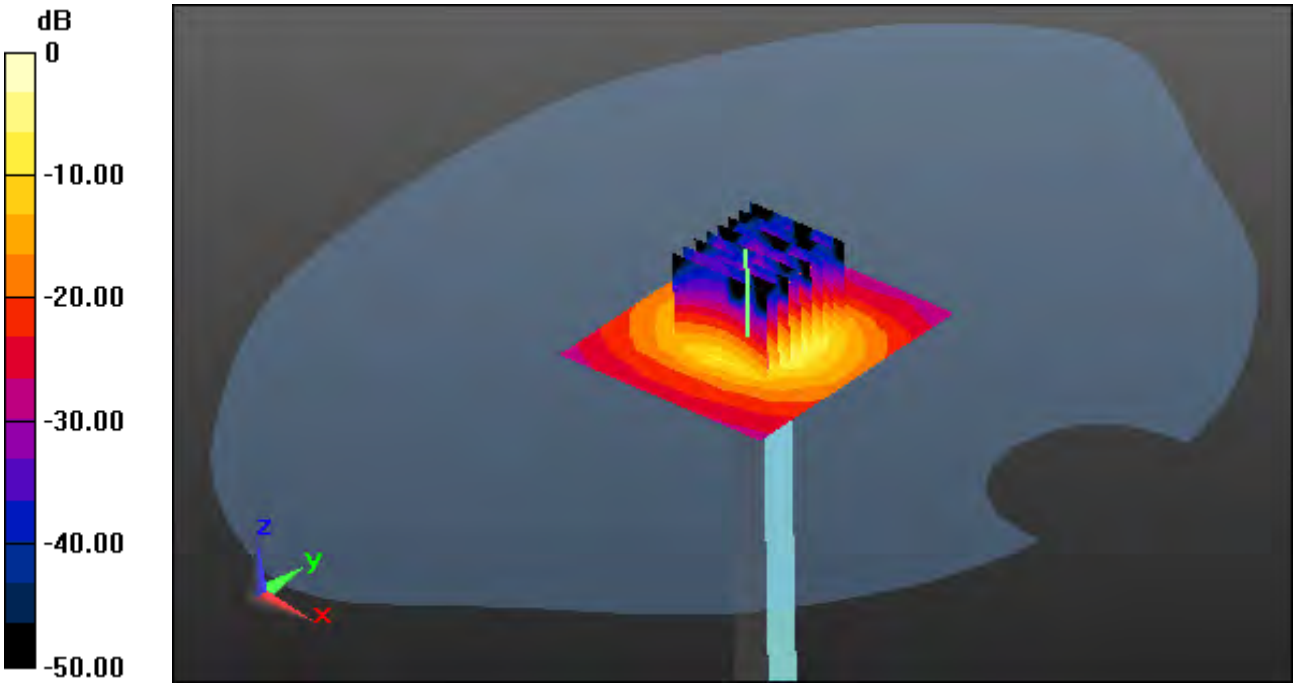
Communication System: UID 0, CW (0); Frequency: 5600 MHz; Duty Cycle: 1:1
Medium parameters used: f = 5600 MHz; σ = 5.209 S/m; ε_r = 34.944; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:
Probe: EX3DV4 - SN3866; ConvF(4.52, 4.52, 4.52); Calibrated: 5/31/2018; Electronics: DAE4 Sn1394
Sensor-Surface: 1.4mm (Mechanical Surface Detection)
Phantom: SAM-twin right_2013_09_24; Type: QD000P40CD; Serial: 1783
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2018-09-12; Ambient Temp: 21.3; Tissue Temp: 21.0

5600 MHz System Head Verification (100 mW)

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 = -0.01 dB
Peak SAR (extrapolated) = 38.4 W/kg
SAR(1 g) = 8.19 W/kg; SAR(10 g) = 2.29 W/kg



0 dB = 19.7 W/kg

DT&C Co., Ltd.

DUT: Dipole 5000 MHz; Type: D5GHzV2; Serial: D5GHzV2 - SN:1212

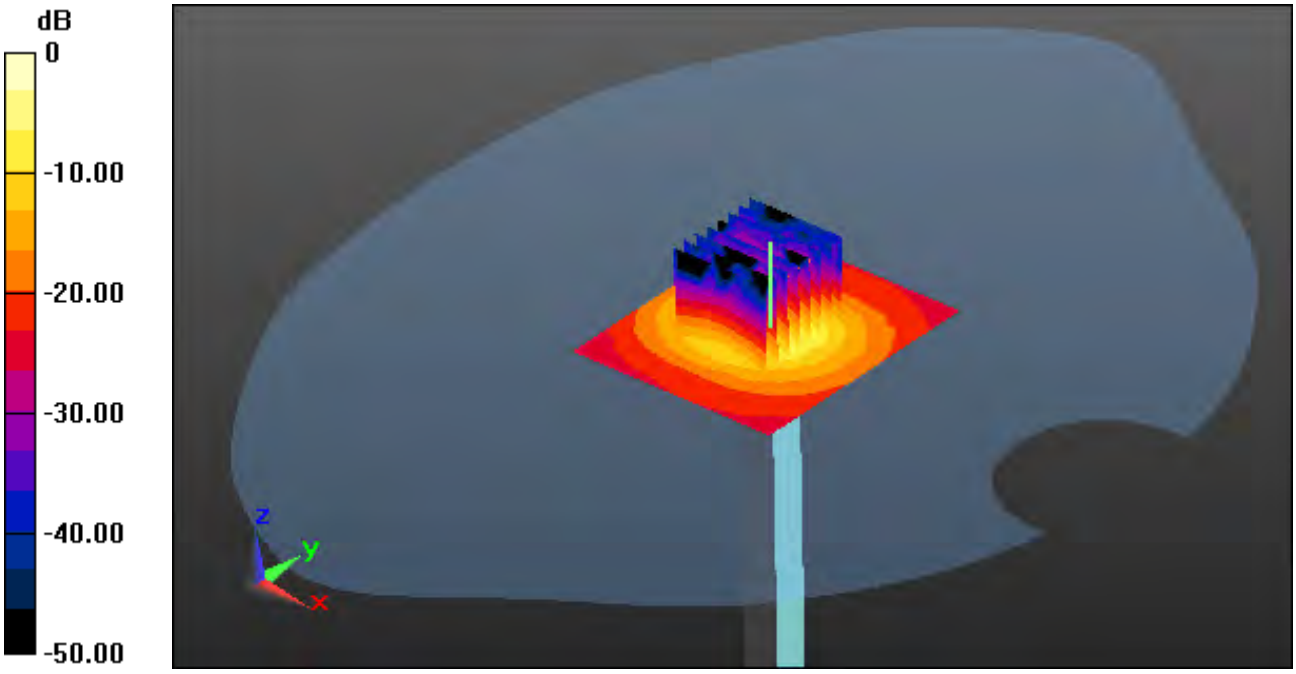
Communication System: UID 0, CW (0); Frequency: 5600 MHz; Duty Cycle: 1:1
Medium parameters used: f = 5600 MHz; σ = 5.986 S/m; ε_r = 47.106; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:
Probe: EX3DV4 - SN3866; ConvF(3.87, 3.87, 3.87); Calibrated: 5/31/2018; Electronics: DAE4 Sn1394
Sensor-Surface: 1.4mm (Mechanical Surface Detection)
Phantom: SAM-twin middle_2013_09_24; Type: QD000P40CD; Serial: 1782
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2018-09-13; Ambient Temp: 21.0; Tissue Temp: 21.3

5600 MHz System Body Verification (100 mW)

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 = 0.13 dB
Peak SAR (extrapolated) = 39.9 W/kg
SAR(1 g) = 7.76 W/kg; SAR(10 g) = 2.13 W/kg



0 dB = 36.4 W/kg

DT&C Co., Ltd.

DUT: Dipole 5000 MHz; Type: D5GHzV2; Serial: D5GHzV2 - SN:1212

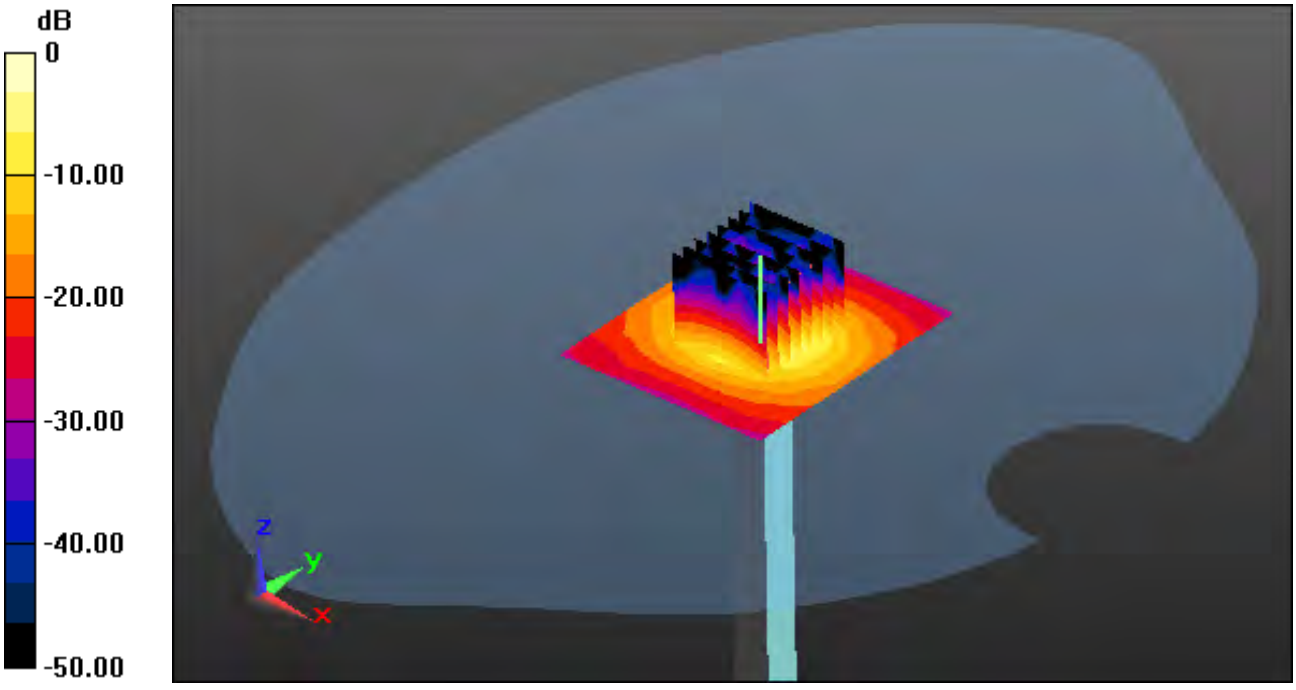
Communication System: UID 0, CW (0); Frequency: 5800 MHz; Duty Cycle: 1:1
Medium parameters used: f = 5800 MHz; σ = 5.407 S/m; ε_r = 34.291; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:
Probe: EX3DV4 - SN3866; ConvF(4.69, 4.69, 4.69); Calibrated: 5/31/2018; Electronics: DAE4 Sn1394
Sensor-Surface: 1.4mm (Mechanical Surface Detection)
Phantom: SAM-twin right_2013_09_24; Type: QD000P40CD; Serial: 1783
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2018-09-10; Ambient Temp: 21.1; Tissue Temp: 21.3

5800 MHz System Head Verification (100 mW)

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 = -0.05 dB
Peak SAR (extrapolated) = 33.6 W/kg
SAR(1 g) = 7.78 W/kg; SAR(10 g) = 2.17 W/kg



0 dB = 18.2 W/kg

DT&C Co., Ltd.

DUT: Dipole 5000 MHz; Type: D5GHzV2; Serial: D5GHzV2 - SN:1212

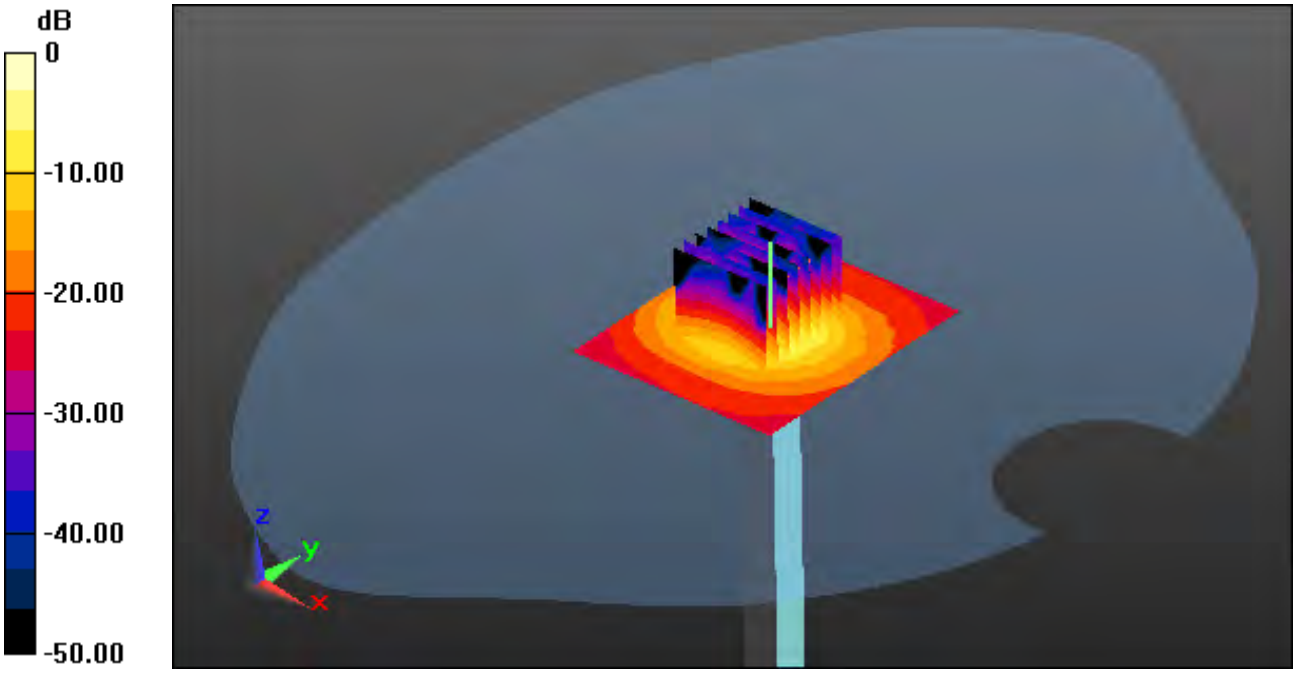
Communication System: UID 0, CW (0); Frequency: 5800 MHz; Duty Cycle: 1:1
Medium parameters used: f = 5800 MHz; σ = 6.101 S/m; ε_r = 47.969; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:
Probe: EX3DV4 - SN3866; ConvF(4.16, 4.16, 4.16); Calibrated: 5/31/2018; Electronics: DAE4 Sn1394
Sensor-Surface: 1.4mm (Mechanical Surface Detection)
Phantom: SAM-twin middle_2013_09_24; Type: QD000P40CD; Serial: 1782
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2018-09-11; Ambient Temp: 20.8; Tissue Temp: 21.4

5800 MHz System Body Verification (100 mW)

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 = 0.11 dB
Peak SAR (extrapolated) = 39.1 W/kg
SAR(1 g) = 7.53 W/kg; SAR(10 g) = 2.04 W/kg



0 dB = 18.1 W/kg

DT&C Co., Ltd.

DUT: KX1801; Type: Bar

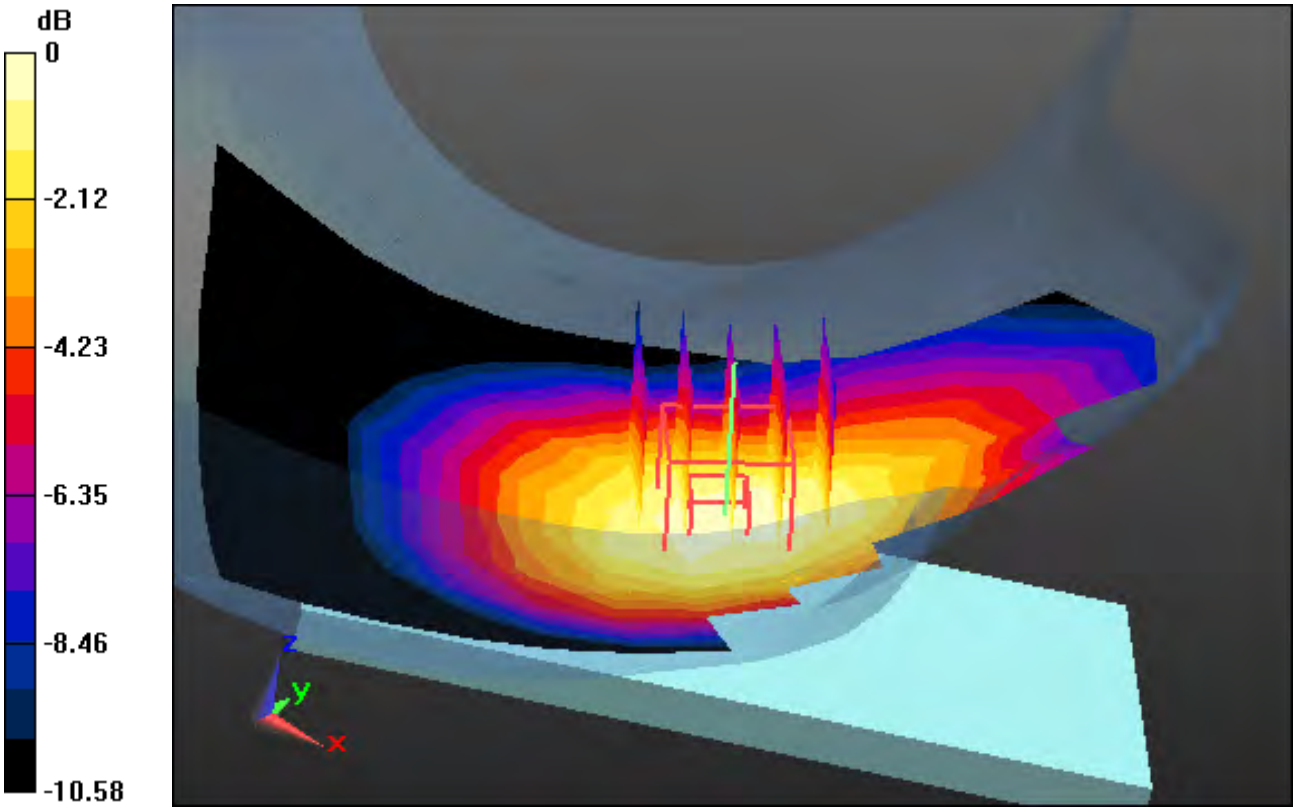
Communication System: UID 0, GSM 850 (0); Frequency: 836.6 MHz;Duty Cycle: 1:8.3
Medium parameters used: f = 836.6 MHz; σ = 0.895 S/m; ε_r = 40.621; ρ = 1000 kg/m^3
Phantom section: Right Section

DASY5 Configuration:
Probe: ES3DV3 - SN3328; ConvF(6.35, 6.35, 6.35); Calibrated: 3/21/2018; Electronics: DAE3 Sn520
Sensor-Surface: 3mm (Mechanical Surface Detection)
Phantom: SAM with CRP_2016_07_22_middle; Type: QD000P40CD; Serial: 1786
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

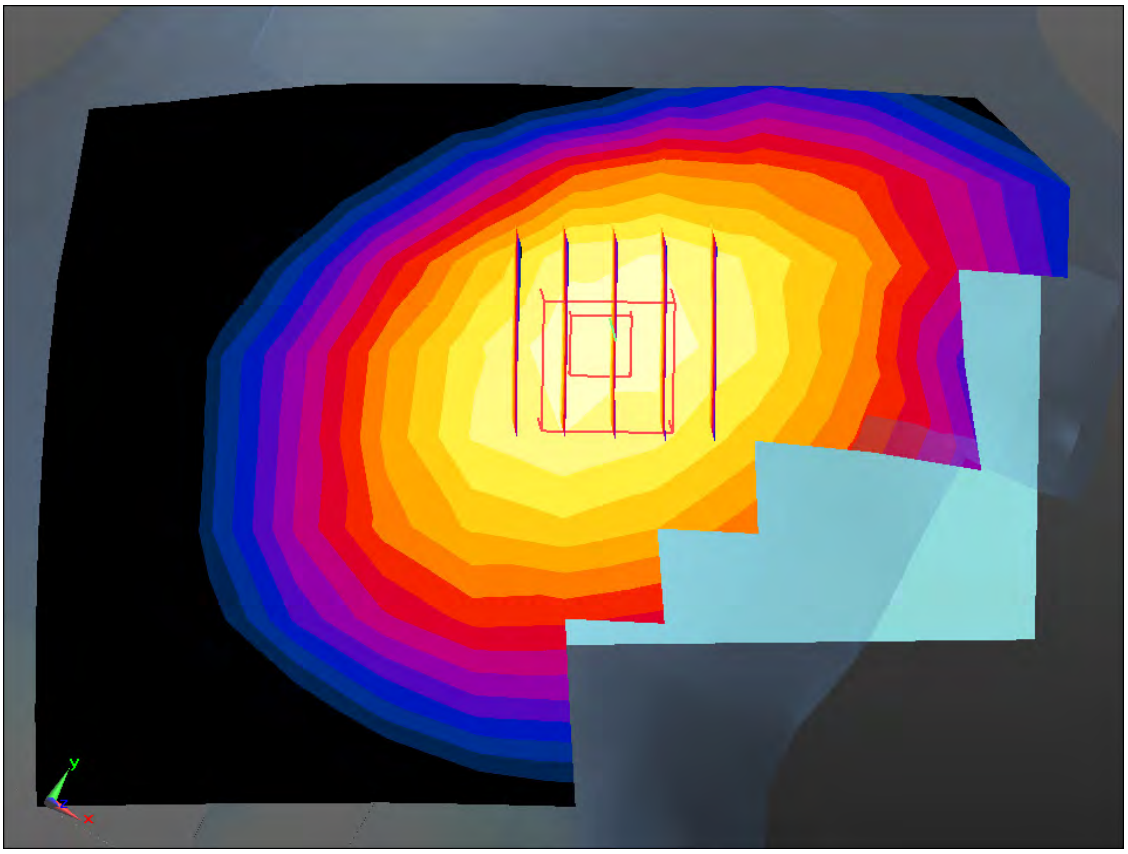
Test Date: 2018-09-03; Ambient Temp: 20.8; Tissue Temp: 21.5

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 = 0.15 dB
Peak SAR (extrapolated) = 0.176 W/kg
SAR(1 g) = 0.136 W/kg; SAR(10 g) = 0.102 W/kg



0 dB = 0.150 W/kg



Enlarged Plot for A1

DT&C Co., Ltd.

DUT: KX1801; Type: Bar

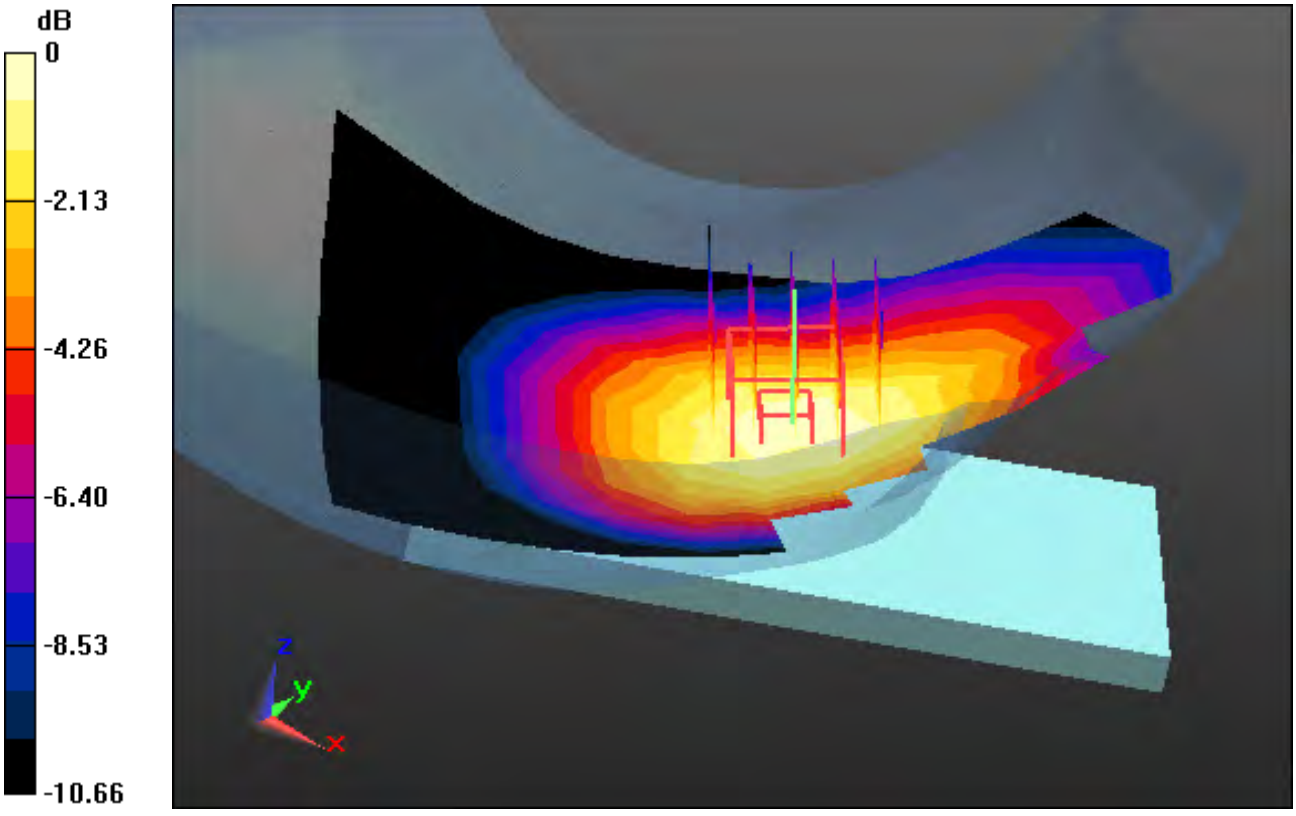
Communication System: UID 0, GSM 850_11 (0); Frequency: 836.6 MHz;Duty Cycle: 1:2.77
Medium parameters used: f = 836.6 MHz; σ = 0.895 S/m; ε_r = 40.621; ρ = 1000 kg/m^3
Phantom section: Right Section

DASY5 Configuration:
Probe: ES3DV3 - SN3328; ConvF(6.35, 6.35, 6.35); Calibrated: 3/21/2018; Electronics: DAE3 Sn520
Sensor-Surface: 3mm (Mechanical Surface Detection)
Phantom: SAM with CRP_2016_07_22_middle; Type: QD000P40CD; Serial: 1786
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

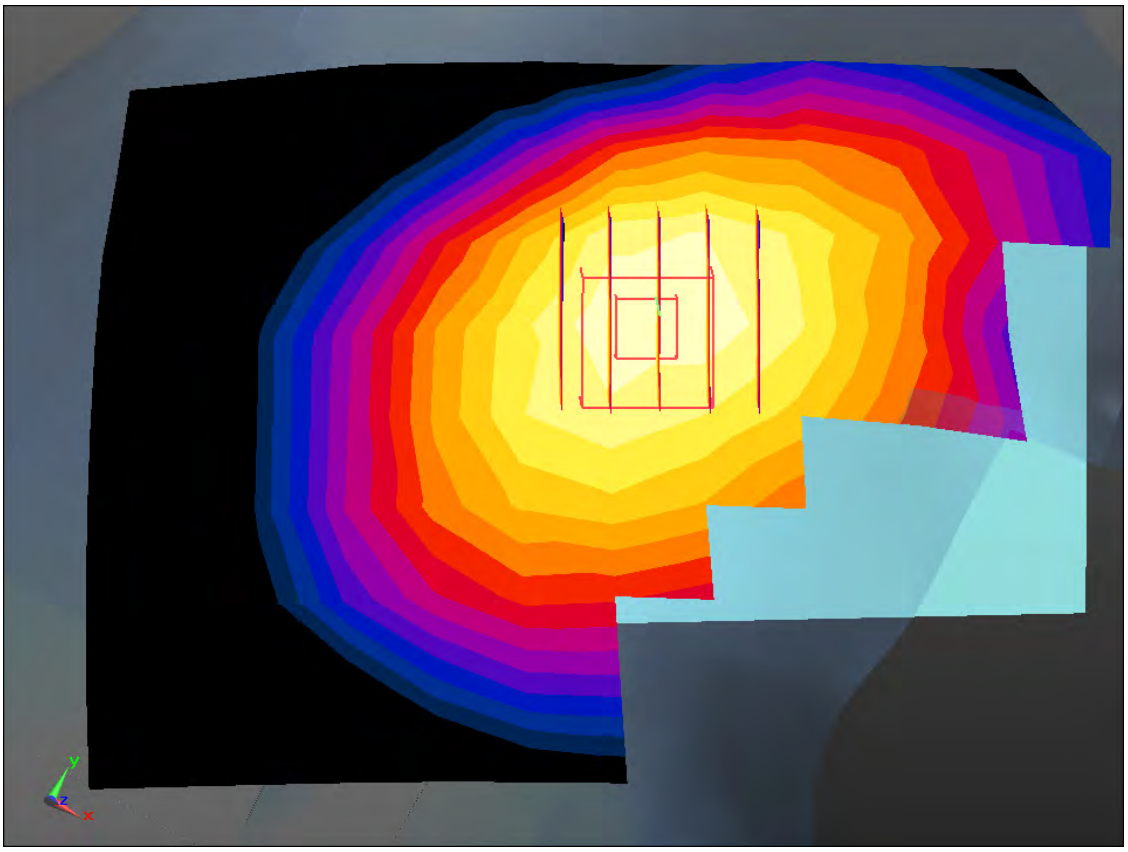
Test Date: 2018-09-03; Ambient Temp: 20.8; Tissue Temp: 21.5

Right Touch, GSM850 GPRS 3Tx 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 = 0.00 dB
Peak SAR (extrapolated) = 0.339 W/kg
SAR(1 g) = 0.261 W/kg; SAR(10 g) = 0.196 W/kg



0 dB = 0.288 W/kg



Enlarged Plot for A2

DT&C Co., Ltd.

DUT: KX1801; Type: Bar

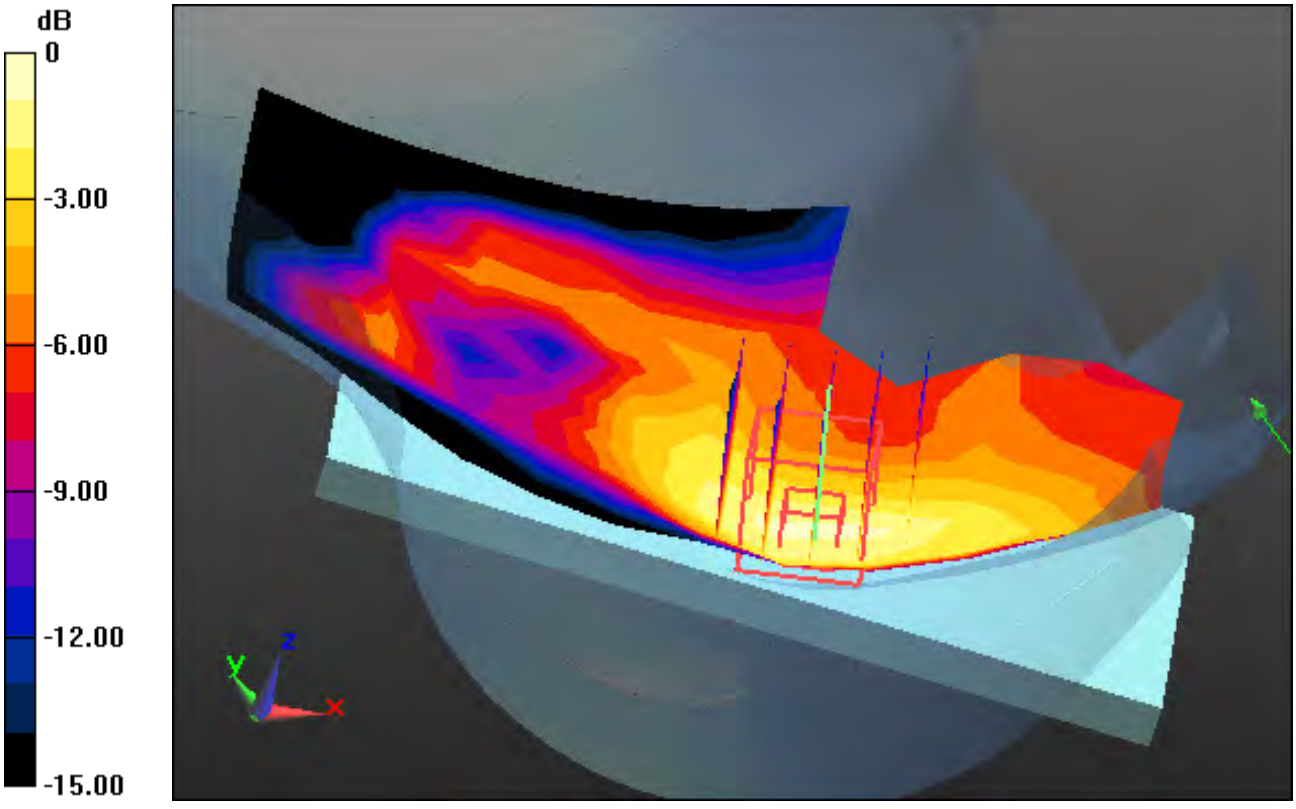
Communication System: UID 0, PCS 1900 (0); Frequency: 1880 MHz;Duty Cycle: 1:8.3
Medium parameters used: f = 1880 MHz; σ = 1.407 S/m; ε_r = 38.845; ρ = 1000 kg/m^3
Phantom section: Left Section

DASY5 Configuration:
Probe: ES3DV3 - SN3328; ConvF(5.26, 5.26, 5.26); Calibrated: 3/21/2018; Electronics: DAE3 Sn520
Sensor-Surface: 3mm (Mechanical Surface Detection)
Phantom: SAM with CRP_2016_07_22_middle; Type: QD000P40CD; Serial: 1786
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2018-09-04; Ambient Temp: 20.6; Tissue Temp: 21.7

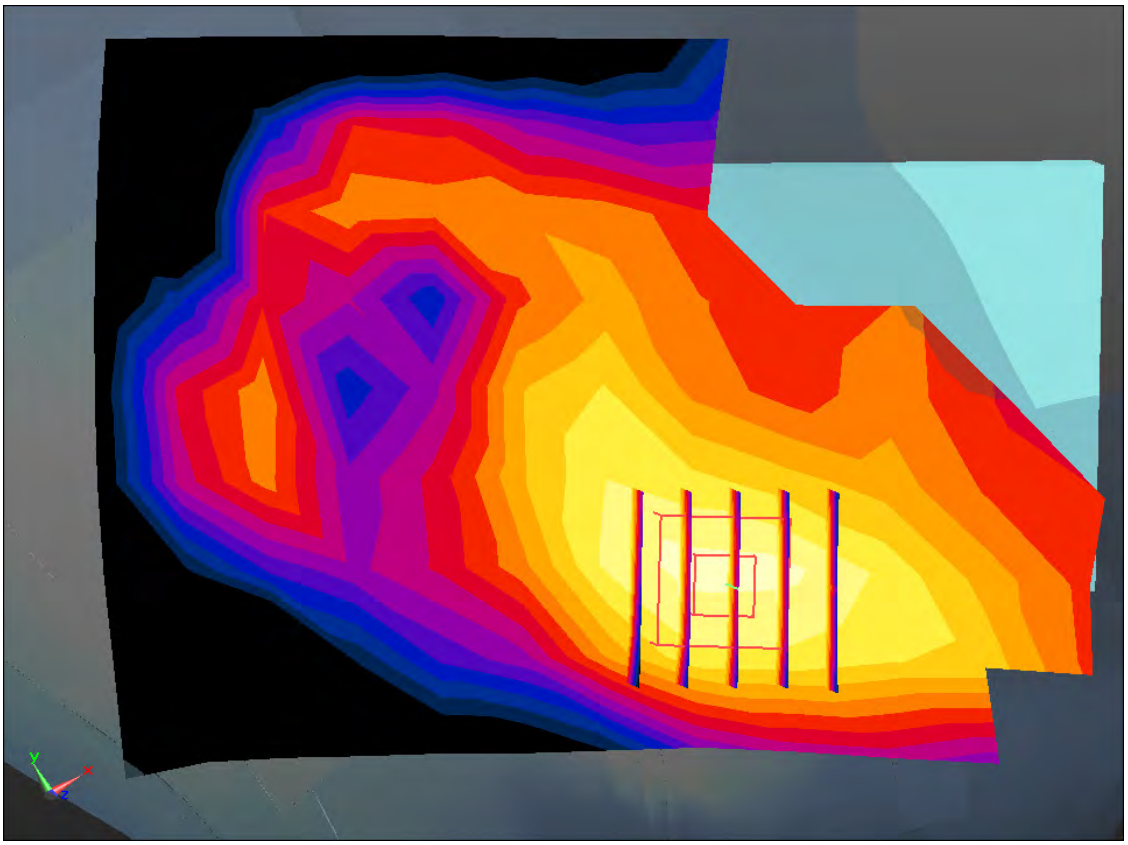
Left Touch, PCS1900 Ch. 661, Ant Internal, Standard Battery

Area Scan (9x14x1): Measurement grid: dx=15mm, dy=15mm
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Power Drift = -0.04 dB
Peak SAR (extrapolated) = 0.170 W/kg
SAR(1 g) = 0.108 W/kg; SAR(10 g) = 0.068 W/kg



0 dB = 0.130 W/kg

A3



Enlarged Plot for A3

DT&C Co., Ltd.

DUT: KX1801; Type: Bar

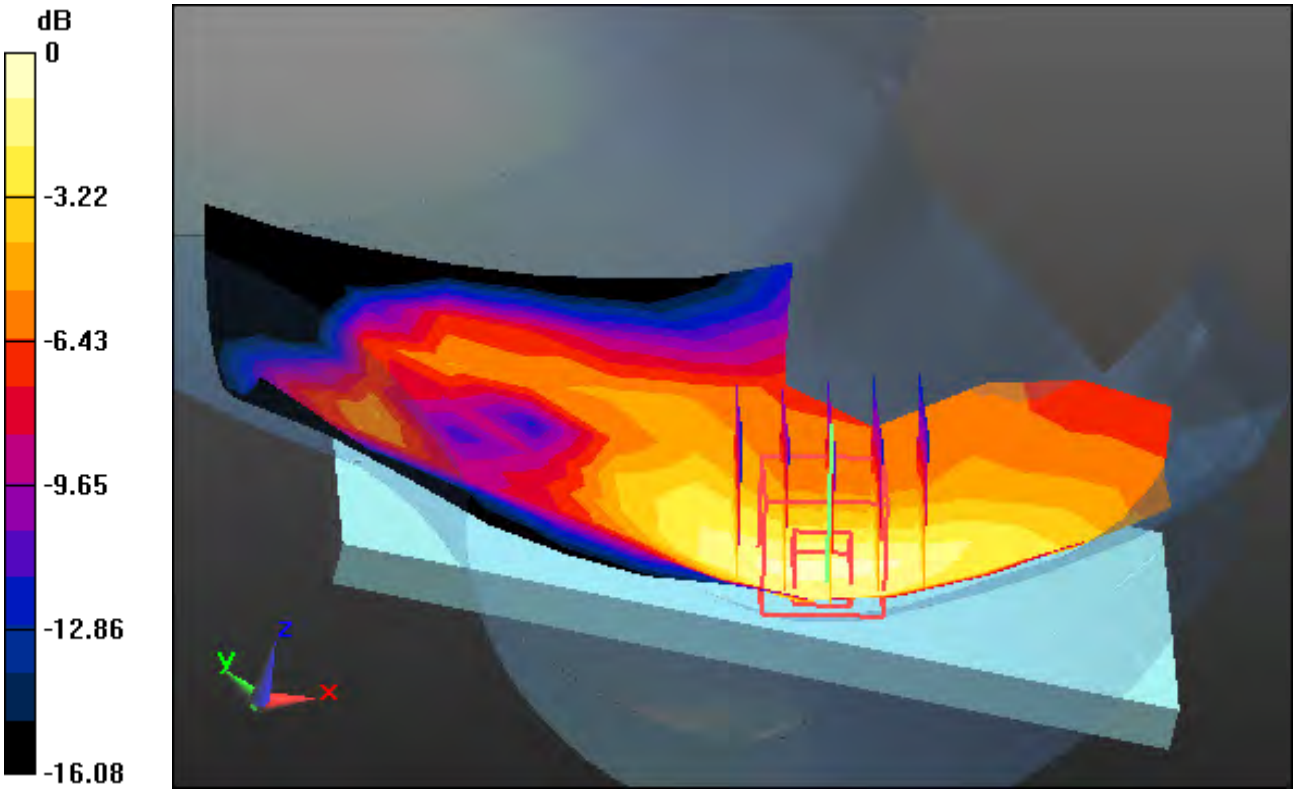
Communication System: UID 0, PCS1900_Class 11 (0); Frequency: 1880 MHz;Duty Cycle: 1:2.77
Medium parameters used: f = 1880 MHz; σ = 1.407 S/m; ε_r = 38.845; ρ = 1000 kg/m^3
Phantom section: Left Section

DASY5 Configuration:
Probe: ES3DV3 - SN3328; ConvF(5.26, 5.26, 5.26); Calibrated: 3/21/2018; Electronics: DAE3 Sn520
Sensor-Surface: 3mm (Mechanical Surface Detection)
Phantom: SAM with CRP_2016_07_22_middle; Type: QD000P40CD; Serial: 1786
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

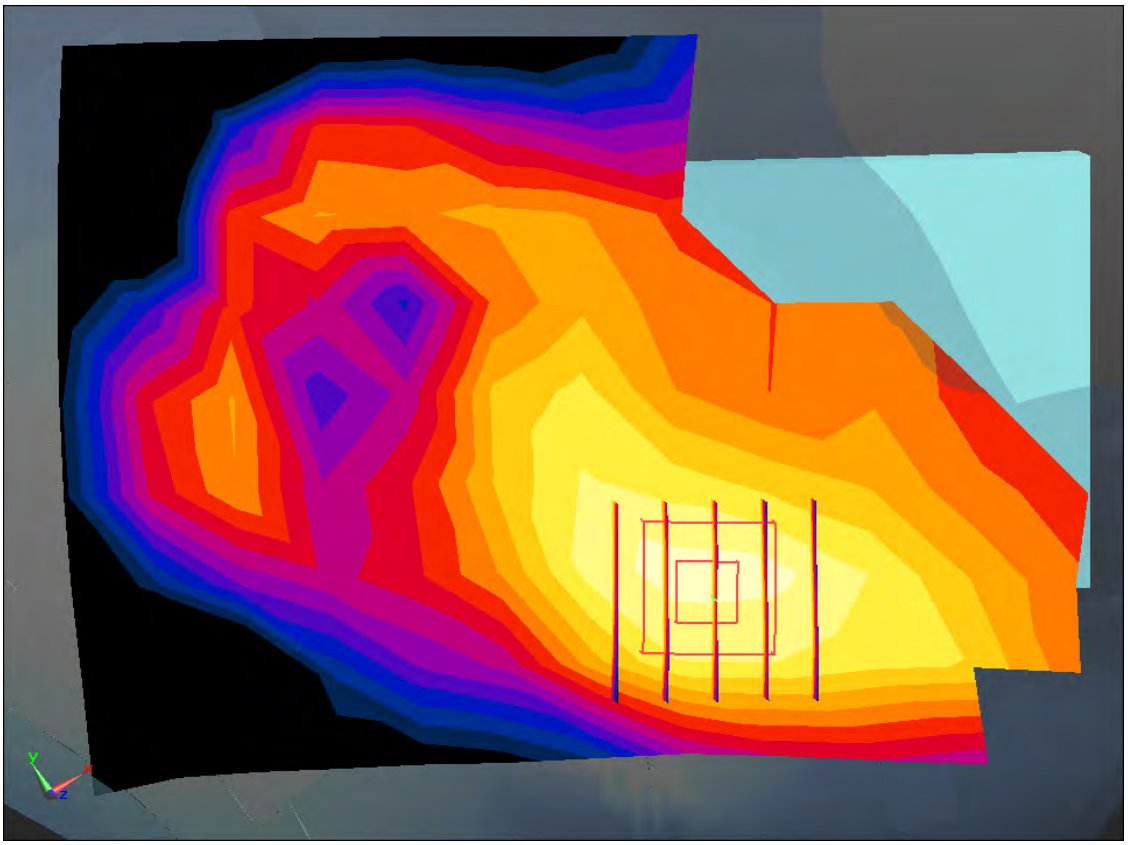
Test Date: 2018-09-04; Ambient Temp: 20.6; Tissue Temp: 21.7

Left Touch, PCS1900 GPRS 3Tx Ch. 661, Ant Internal, Standard Battery

Area Scan (9x14x1): Measurement grid: dx=15mm, dy=15mm
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Power Drift = 0.12 dB
Peak SAR (extrapolated) = 0.241 W/kg
SAR(1 g) = 0.152 W/kg; SAR(10 g) = 0.095 W/kg



0 dB = 0.184 W/kg



Enlarged Plot for A4

DT&C Co., Ltd.

DUT: KX1801; Type: Bar

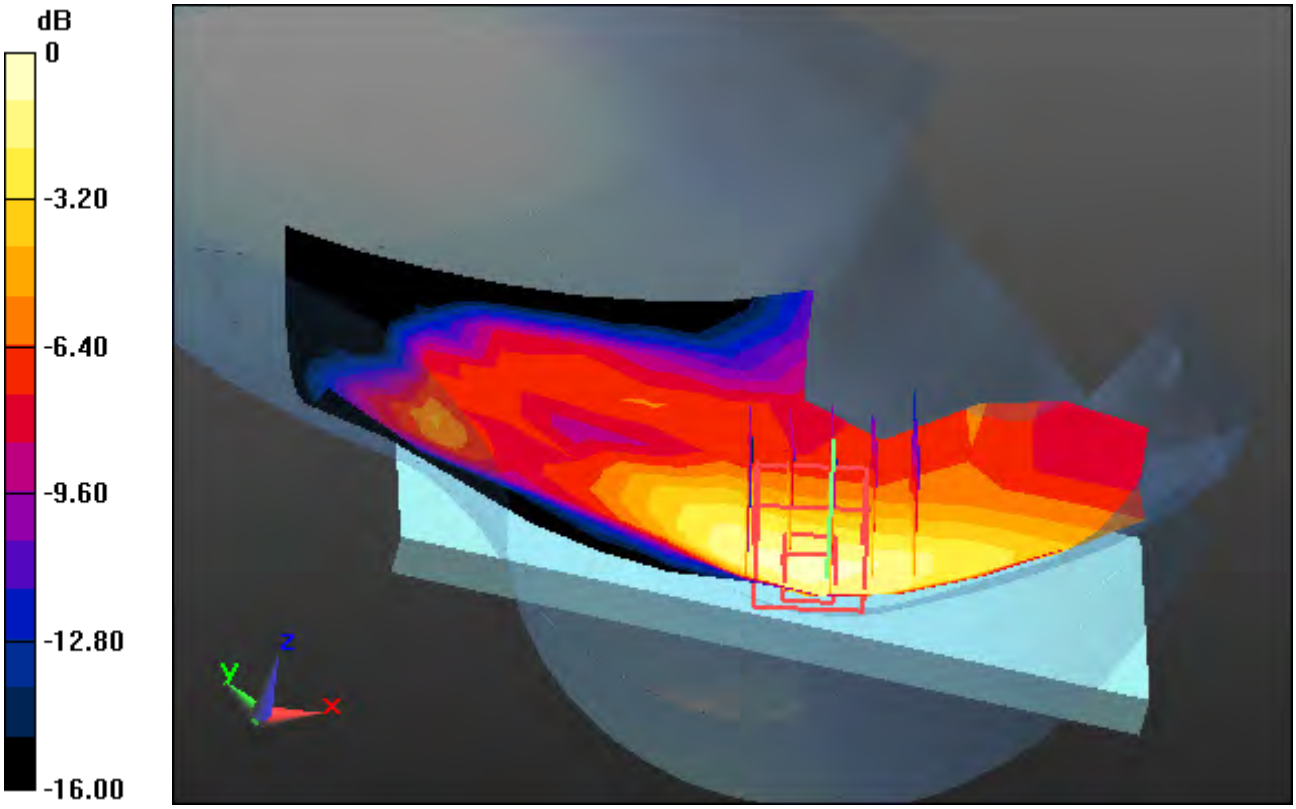
Communication System: UID 0, WCDMA Band 4 (0); Frequency: 1732.4 MHz;Duty Cycle: 1:1
Medium parameters used: f = 1732.4 MHz; σ = 1.376 S/m; ε_r = 40.105; ρ = 1000 kg/m^3
Phantom section: Left Section

DASY5 Configuration:
Probe: ES3DV3 - SN3328; ConvF(5.56, 5.56, 5.56); Calibrated: 3/21/2018; Electronics: DAE3 Sn520
Sensor-Surface: 3mm (Mechanical Surface Detection)
Phantom: SAM with CRP_2016_07_22_middle; Type: QD000P40CD; Serial: 1786
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

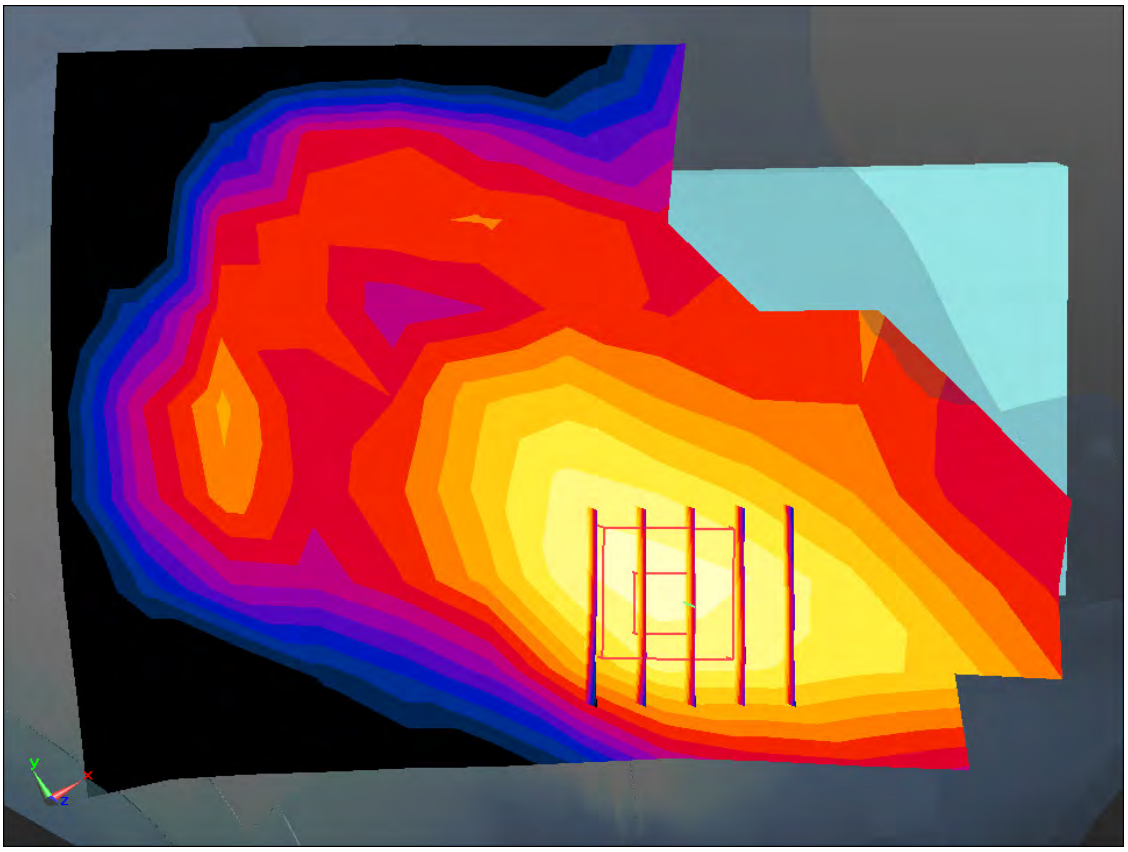
Test Date: 2018-09-06; Ambient Temp: 21.1; Tissue Temp: 21.6

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 = 0.13 dB
Peak SAR (extrapolated) = 0.228 W/kg
SAR(1 g) = 0.152 W/kg; SAR(10 g) = 0.098 W/kg



0 dB = 0.180 W/kg



Enlarged Plot for A5

DT&C Co., Ltd.

DUT: KX1801; Type: Bar

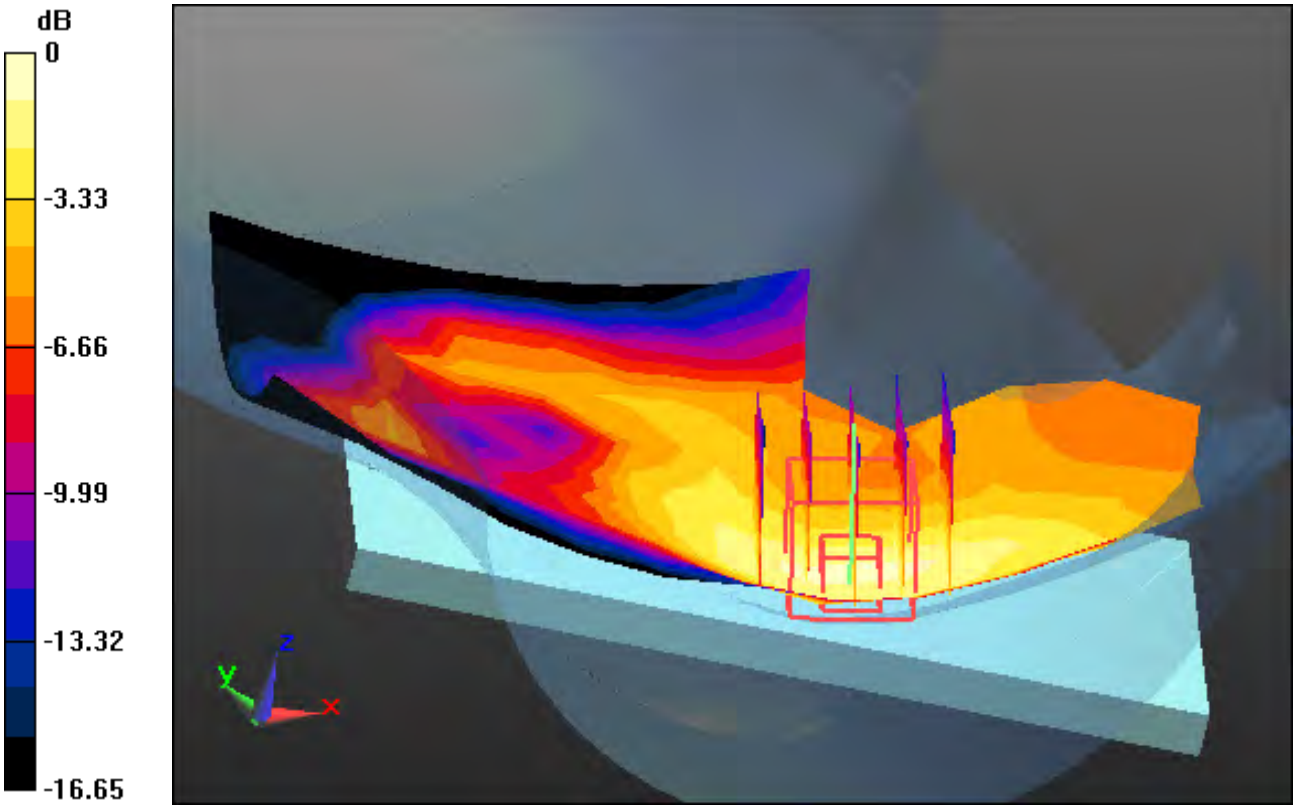
Communication System: UID 0, WCDMA 1900 (0); Frequency: 1880 MHz;Duty Cycle: 1:1
Medium parameters used: f = 1880 MHz; σ = 1.412 S/m; ε_r = 39.093; ρ = 1000 kg/m^3
Phantom section: Left Section

DASY5 Configuration:
Probe: ES3DV3 - SN3328; ConvF(5.26, 5.26, 5.26); Calibrated: 3/21/2018; Electronics: DAE3 Sn520
Sensor-Surface: 3mm (Mechanical Surface Detection)
Phantom: SAM with CRP_2016_07_22_middle; Type: QD000P40CD; Serial: 1786
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

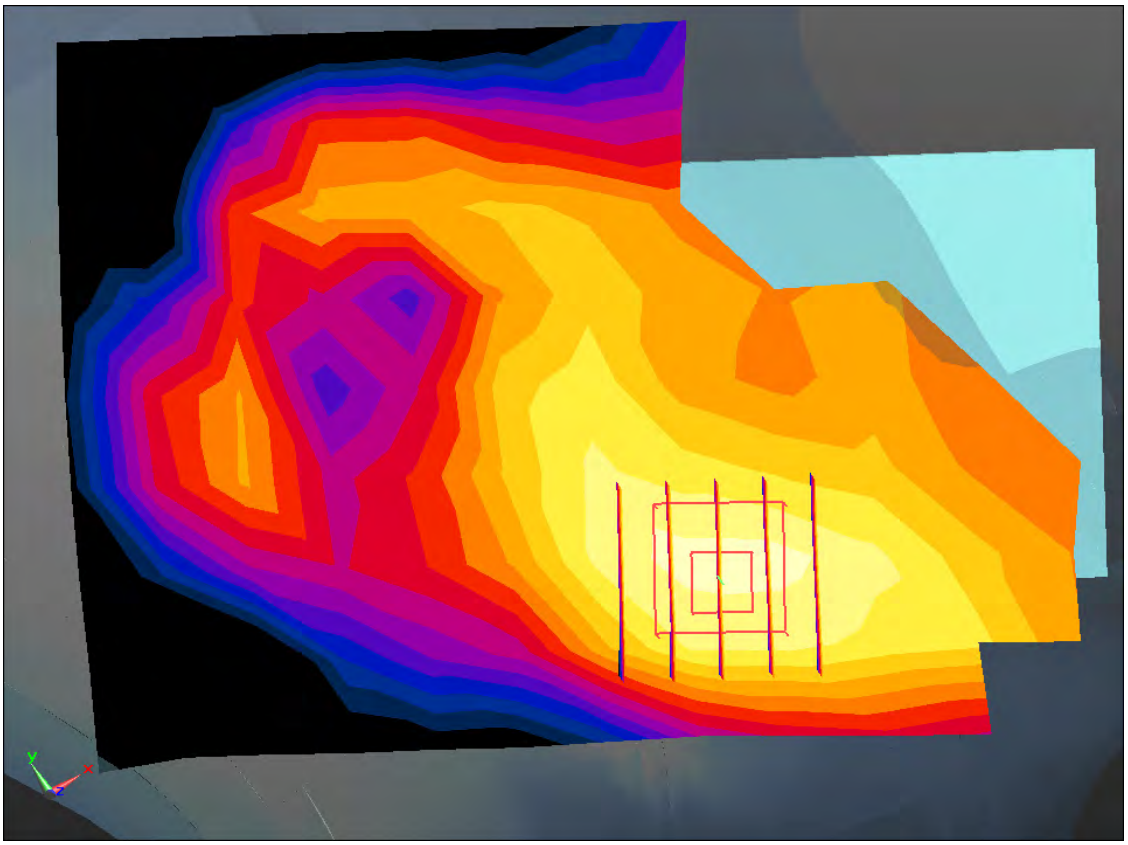
Test Date: 2018-09-05; Ambient Temp: 21.0; Tissue Temp: 21.5

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 = 0.11 dB
Peak SAR (extrapolated) = 0.203 W/kg
SAR(1 g) = 0.129 W/kg; SAR(10 g) = 0.081 W/kg



0 dB = 0.156 W/kg



Enlarged Plot for A6

DT&C Co., Ltd.

DUT: KX1801; 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 = 0.864 S/m; ε_r = 41.255; ρ = 1000 kg/m^3
Phantom section: Right Section

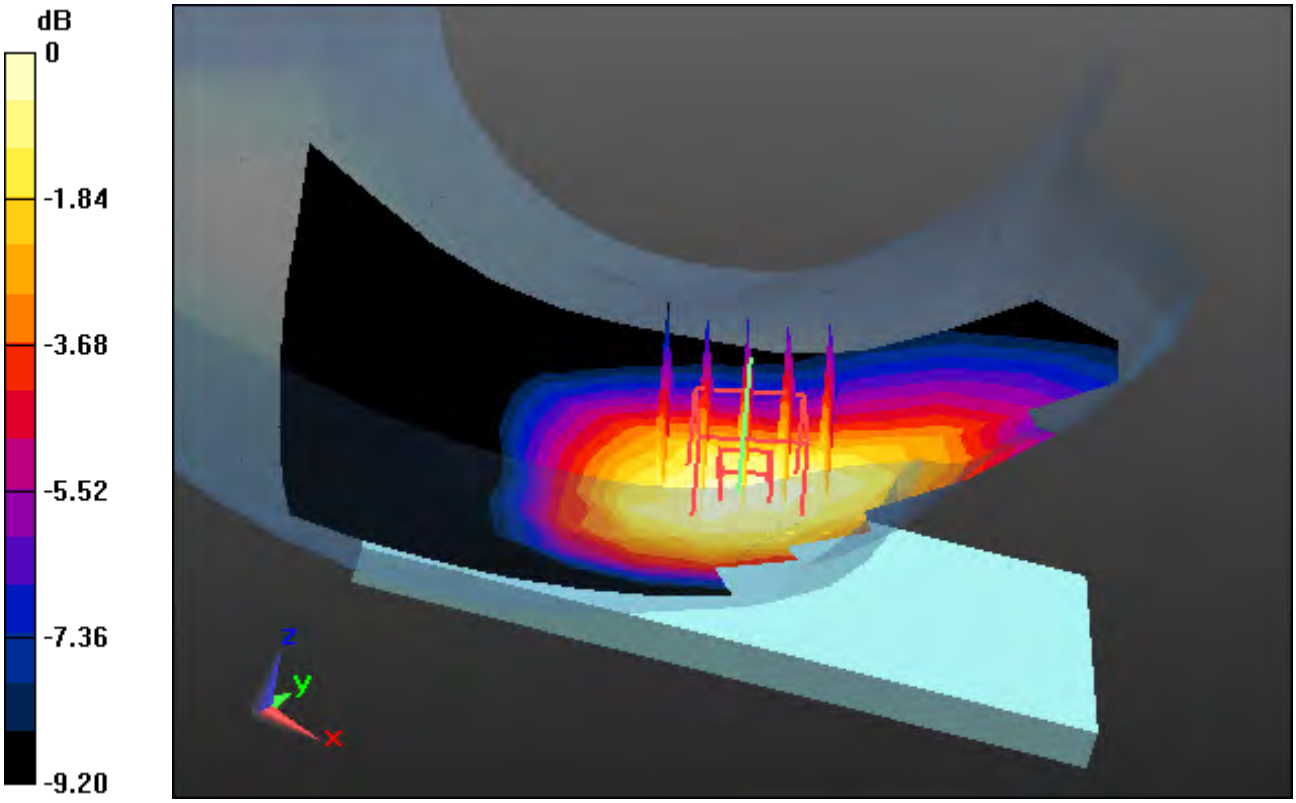
DASY5 Configuration:
Probe: ES3DV3 - SN3328; ConvF(6.61, 6.61, 6.61); Calibrated: 3/21/2018; Electronics: DAE3 Sn520
Sensor-Surface: 3mm (Mechanical Surface Detection)
Phantom: SAM with CRP_2016_07_22_middle; Type: QD000P40CD; Serial: 1786
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2018-09-11; Ambient Temp: 20.5; Tissue Temp: 20.4

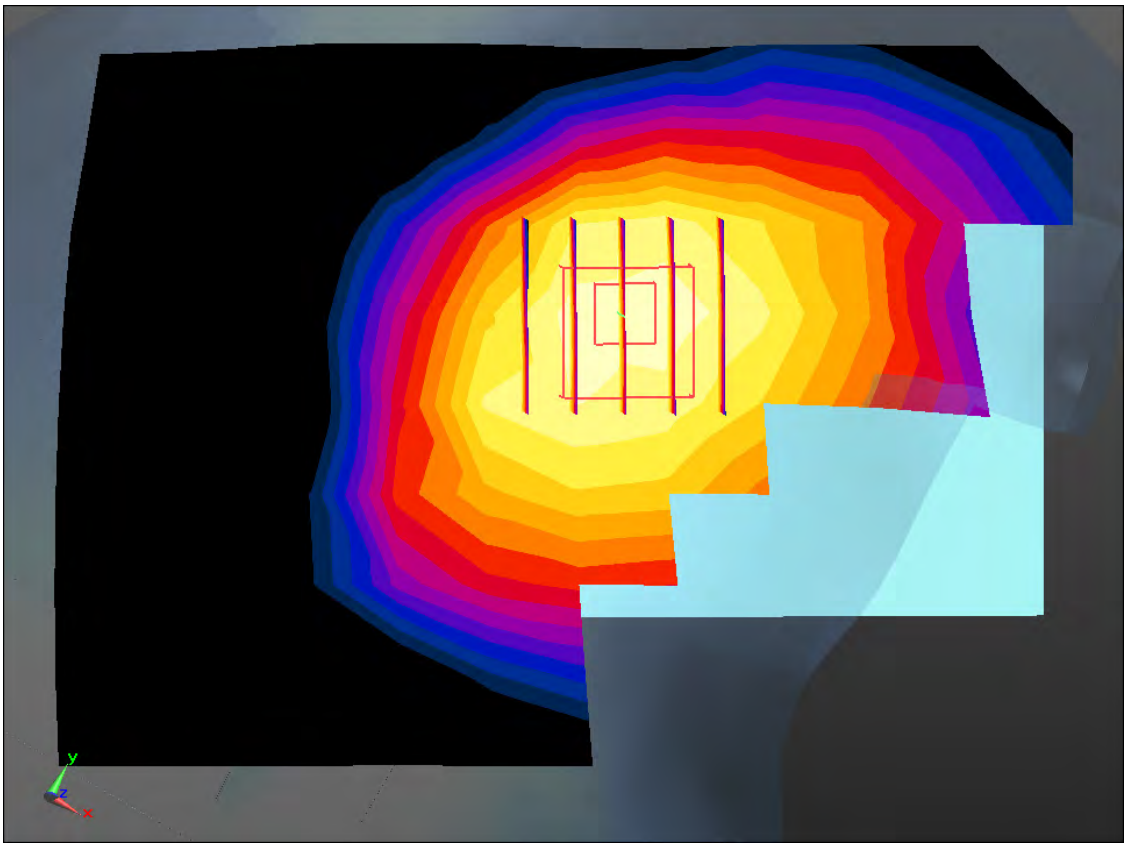
Right Touch, LTE Band 12 Ch. 23095, Ant Internal, Standard Battery

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 = 0.14 dB
Peak SAR (extrapolated) = 0.182 W/kg
SAR(1 g) = 0.146 W/kg; SAR(10 g) = 0.113 W/kg



0 dB = 0.161 W/kg



Enlarged Plot for A7

DT&C Co., Ltd.

DUT: KX1801; Type: Bar

Communication System: UID 0, LTE Band 4 (0); Frequency: 1732.5 MHz;Duty Cycle: 1:1
Medium parameters used: f = 1732.5 MHz; σ = 1.376 S/m; ε_r = 40.561; ρ = 1000 kg/m^3
Phantom section: Left Section

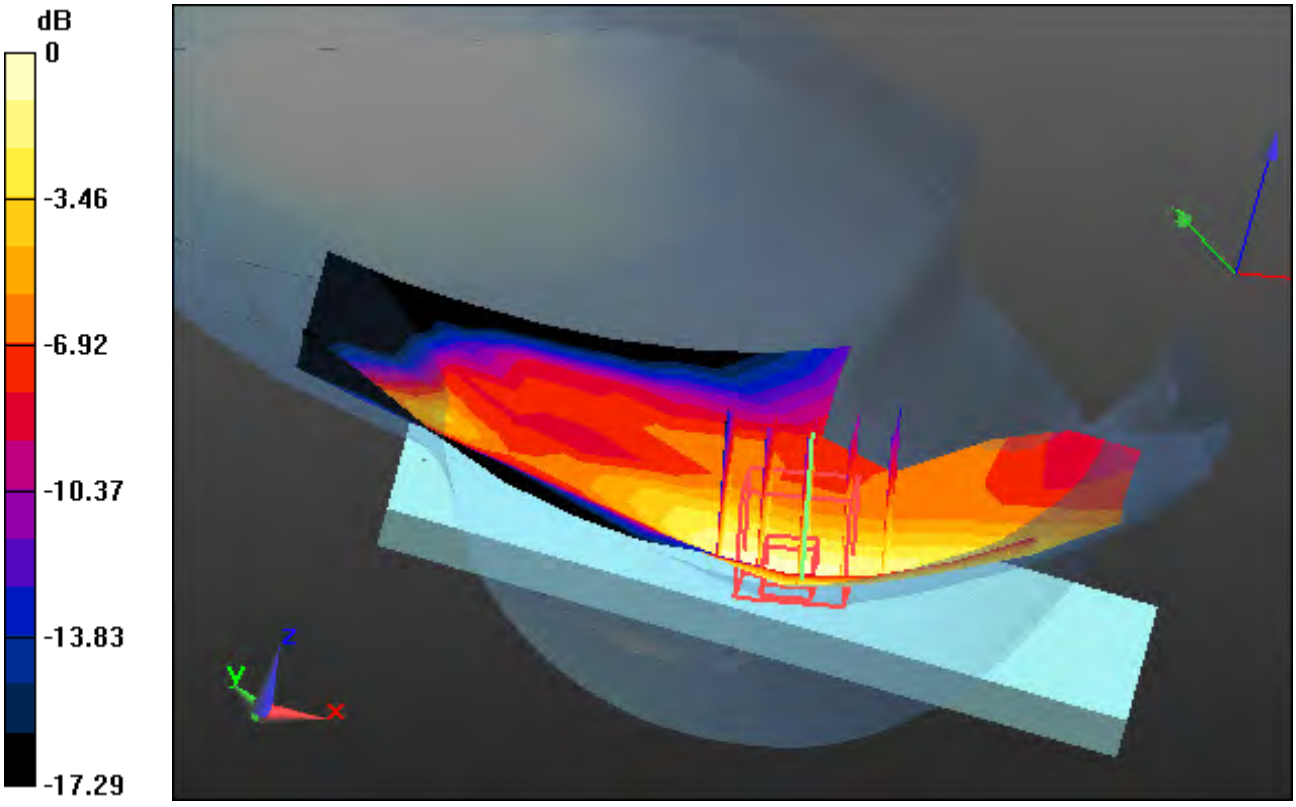
DASY5 Configuration:
Probe: ES3DV3 - SN3328; ConvF(5.56, 5.56, 5.56); Calibrated: 3/21/2018; Electronics: DAE3 Sn520
Sensor-Surface: 3mm (Mechanical Surface Detection)
Phantom: SAM with CRP_2016_07_22_middle; Type: QD000P40CD; Serial: 1786
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2018-09-10; Ambient Temp: 20.7; Tissue Temp: 20.6

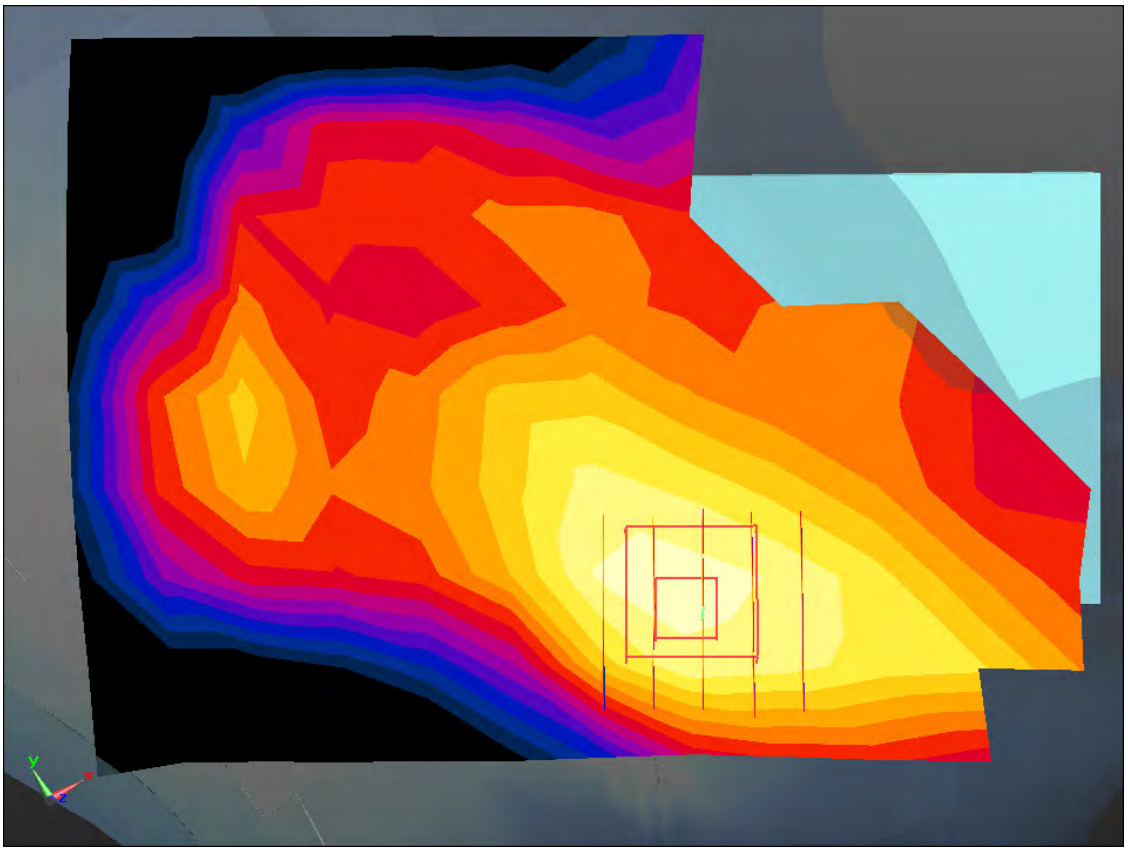
Left Touch, LTE Band 4 Ch. 20175, Ant Internal, Standard Battery

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 = 0.03 dB
Peak SAR (extrapolated) = 0.298 W/kg
SAR(1 g) = 0.195 W/kg; SAR(10 g) = 0.125 W/kg



0 dB = 0.230 W/kg



Enlarged Plot for A8

DT&C Co., Ltd.

DUT: KX1801; Type: Bar

Communication System: UID 0, LTE Band 2 (0); Frequency: 1900 MHz;Duty Cycle: 1:1
Medium parameters used: f = 1900 MHz; σ = 1.433 S/m; ε_r = 39.168; ρ = 1000 kg/m^3
Phantom section: Left Section

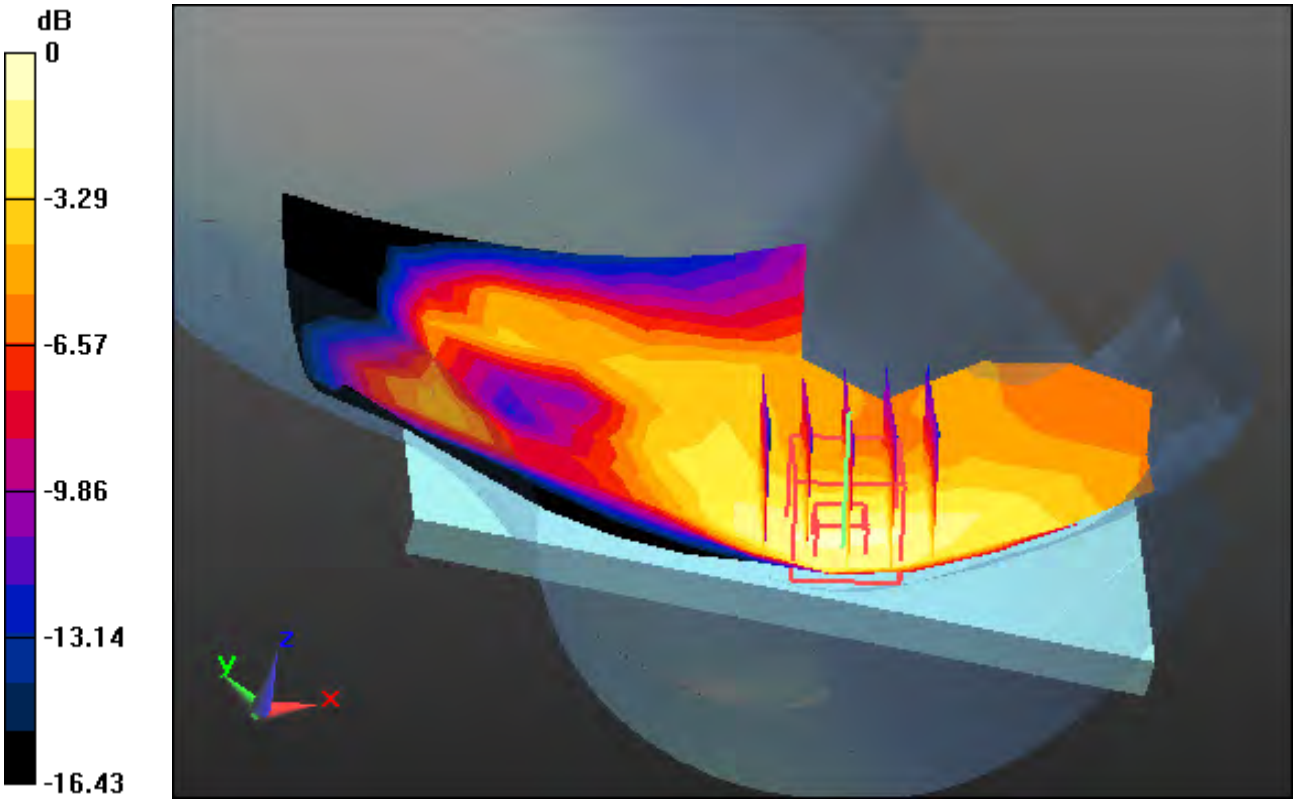
DASY5 Configuration:
Probe: ES3DV3 - SN3328; ConvF(5.26, 5.26, 5.26); Calibrated: 3/21/2018; Electronics: DAE3 Sn520
Sensor-Surface: 3mm (Mechanical Surface Detection)
Phantom: SAM with CRP_2016_07_22_middle; Type: QD000P40CD; Serial: 1786
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2018-09-07; Ambient Temp: 20.8; Tissue Temp: 21.3

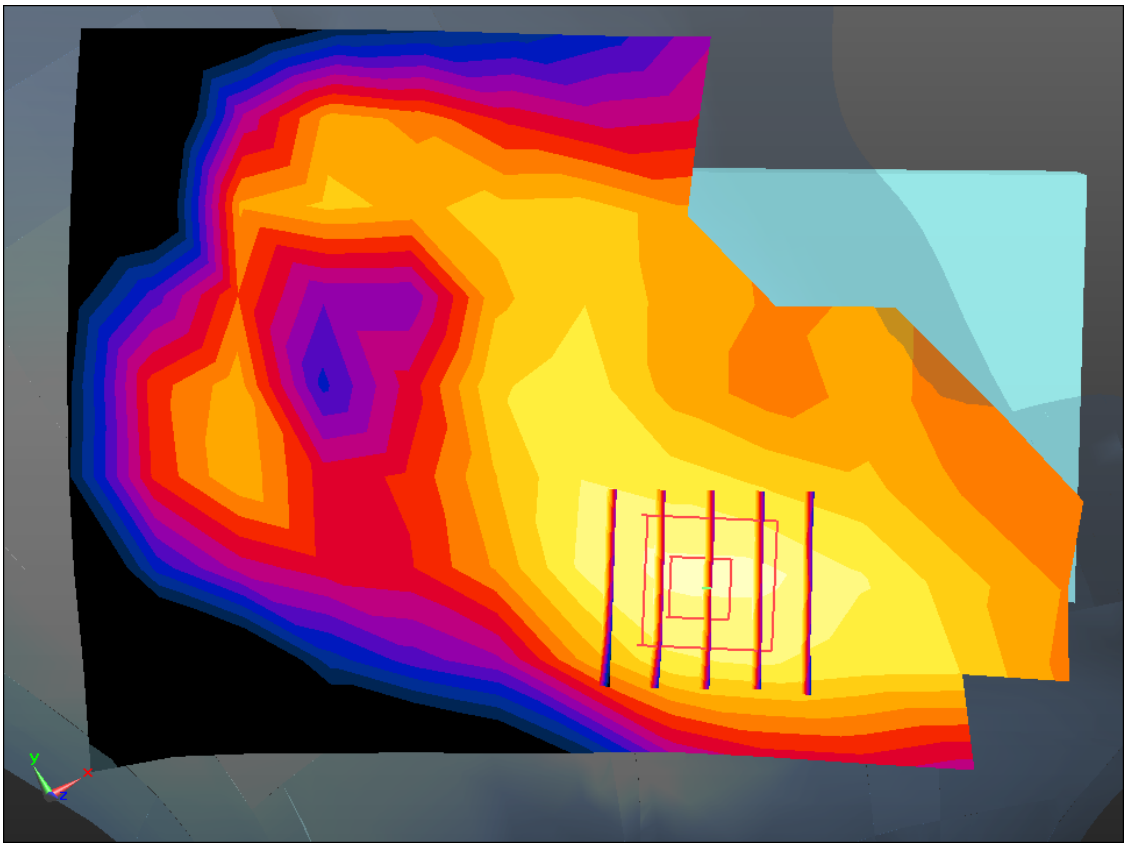
Left Touch, LTE Band 2 Ch. 19100, Ant Internal, Standard Battery

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 = 0.01 dB
Peak SAR (extrapolated) = 0.219 W/kg
SAR(1 g) = 0.142 W/kg; SAR(10 g) = 0.090 W/kg



0 dB = 0.169 W/kg



Enlarged Plot for A9

DT&C Co., Ltd.

DUT: KX1801; Type: Bar

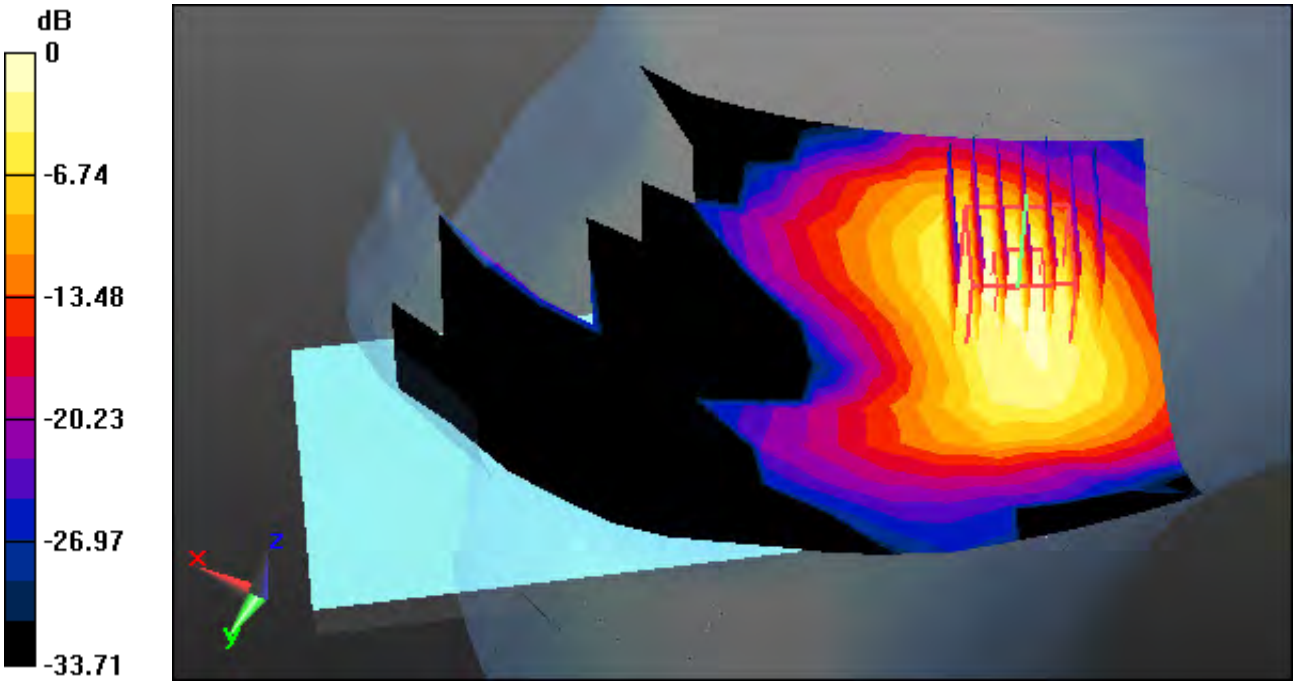
Communication System: UID 0, 2.4 GHz W-LAN (0); Frequency: 2462 MHz; Duty Cycle: 1:1
Medium parameters used: f = 2462 MHz; σ = 1.766 S/m; ε_r = 40.31; ρ = 1000 kg/m^3
Phantom section: Right Section

DASY5 Configuration:
Probe: EX3DV4 - SN3866; ConvF(7.45, 7.45, 7.45); Calibrated: 5/31/2018; Electronics: DAE4 Sn1394
Sensor-Surface: 2mm (Mechanical Surface Detection)
Phantom: SAM-twin right_2013_09_24; Type: QD000P40CD; Serial: 1783
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

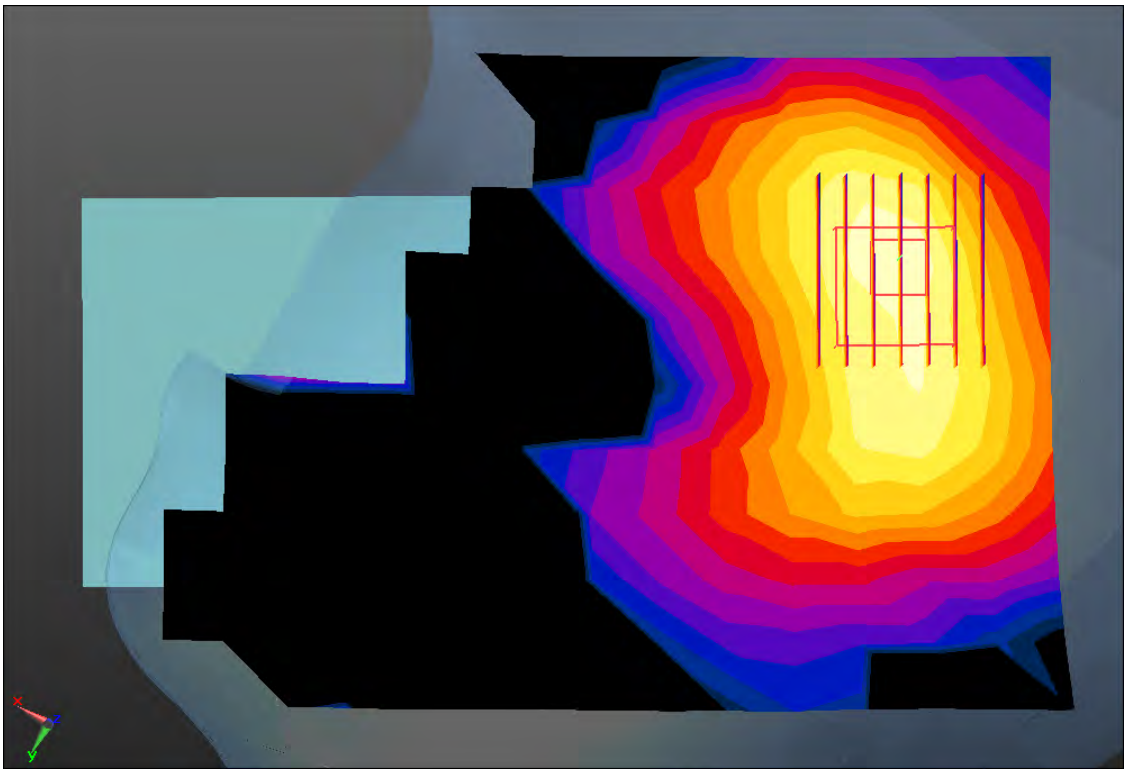
Test Date: 2018-09-06; Ambient Temp: 20.9; Tissue Temp: 21.2

Right Tilt, W-LAN(802.11b - 2.4G) Ch. 11, Ant Internal, Standard Battery, Ant.1

Area Scan (11x16x1): Measurement grid: dx=12mm, dy=12mm
Zoom Scan (8x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Power Drift = 0.10 dB
Peak SAR (extrapolated) = 0.788 W/kg
SAR(1 g) = 0.316 W/kg; SAR(10 g) = 0.143 W/kg



0 dB = 0.528 W/kg



Enlarged Plot for A10

DT&C Co., Ltd.

DUT: KX1801; Type: Bar

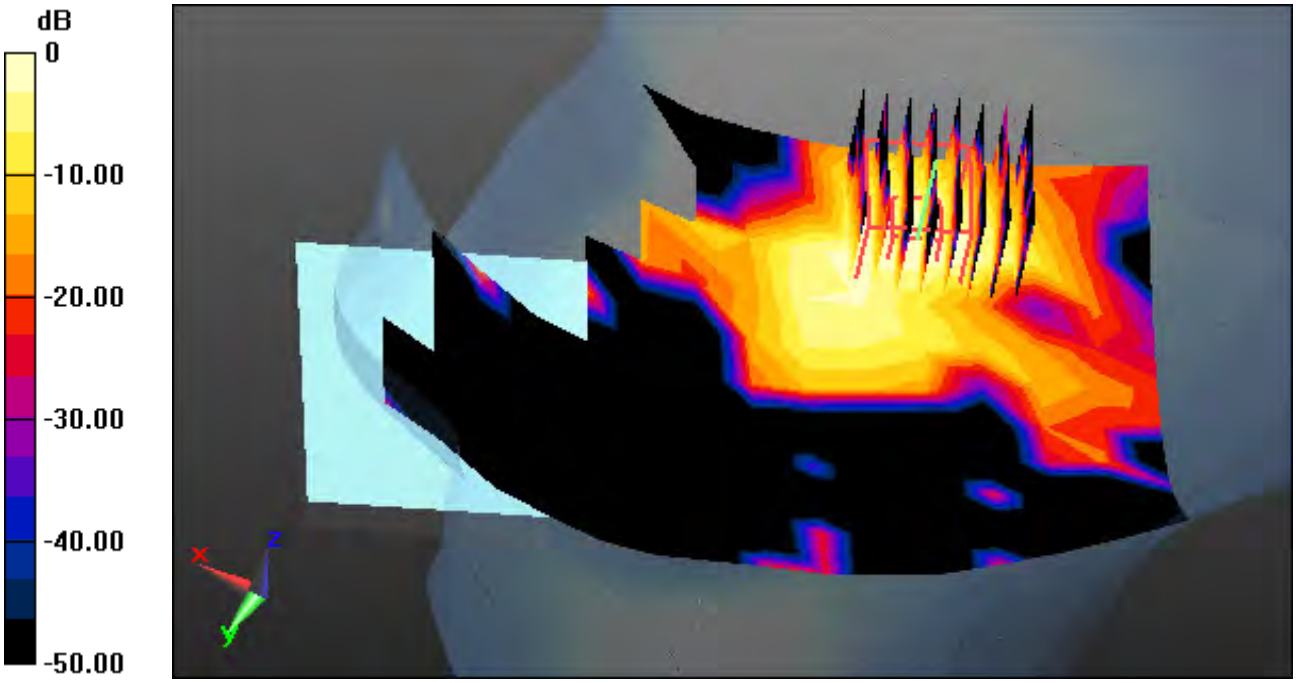
Communication System: UID 0, 2.4 GHz W-LAN (0); Frequency: 2462 MHz; Duty Cycle: 1:1
Medium parameters used: f = 2462 MHz; σ = 1.766 S/m; ε_r = 40.31; ρ = 1000 kg/m^3
Phantom section: Right Section

DASY5 Configuration:
Probe: EX3DV4 - SN3866; ConvF(7.45, 7.45, 7.45); Calibrated: 5/31/2018; Electronics: DAE4 Sn1394
Sensor-Surface: 2mm (Mechanical Surface Detection)
Phantom: SAM-twin right_2013_09_24; Type: QD000P40CD; Serial: 1783
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

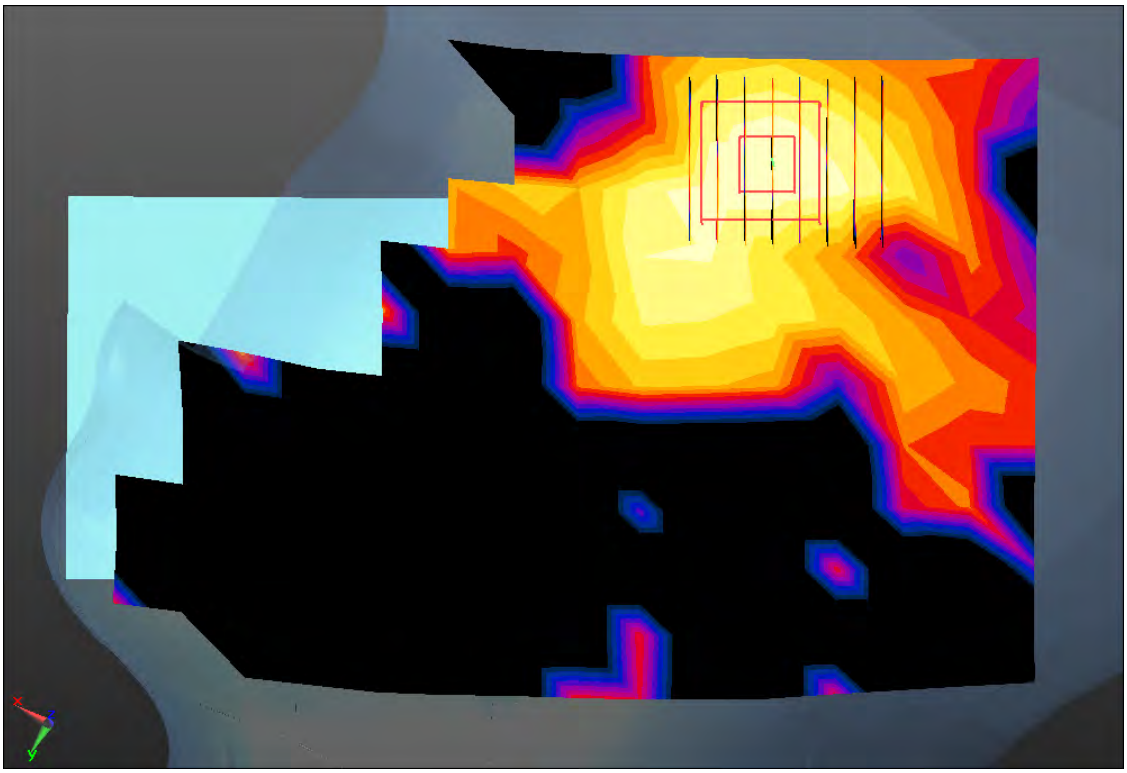
Test Date: 2018-09-06; Ambient Temp: 20.9; Tissue Temp: 21.2

Right Touch, W-LAN(802.11b - 2.4G) Ch. 11, Ant Internal, Standard Battery, Ant.2

Area Scan (11x16x1): Measurement grid: dx=12mm, dy=12mm
Zoom Scan (7x8x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Power Drift = 0.11 dB
Peak SAR (extrapolated) = 0.130 W/kg
SAR(1 g) = 0.056 W/kg; SAR(10 g) = 0.019 W/kg



0 dB = 0.0928 W/kg



Enlarged Plot for A11

DT&C Co., Ltd.

DUT: KX1801; Type: Bar

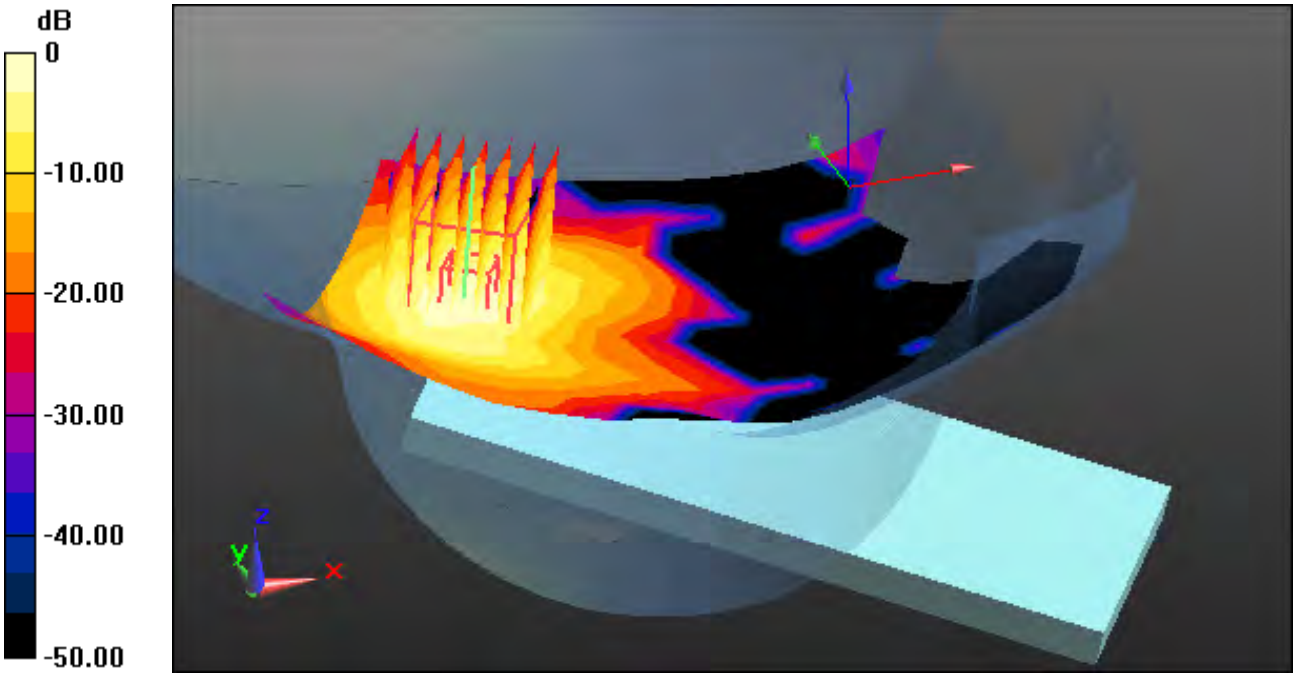
Communication System: UID 0, 2.4 GHz W-LAN (0); Frequency: 2437 MHz; Duty Cycle: 1:1
Medium parameters used: f = 2437 MHz; σ = 1.739 S/m; ε_r = 40.38; ρ = 1000 kg/m^3
Phantom section: Left Section

DASY5 Configuration:
Probe: EX3DV4 - SN3866; ConvF(7.45, 7.45, 7.45); Calibrated: 5/31/2018; Electronics: DAE4 Sn1394
Sensor-Surface: 2mm (Mechanical Surface Detection)
Phantom: SAM-twin right_2013_09_24; Type: QD000P40CD; Serial: 1783
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

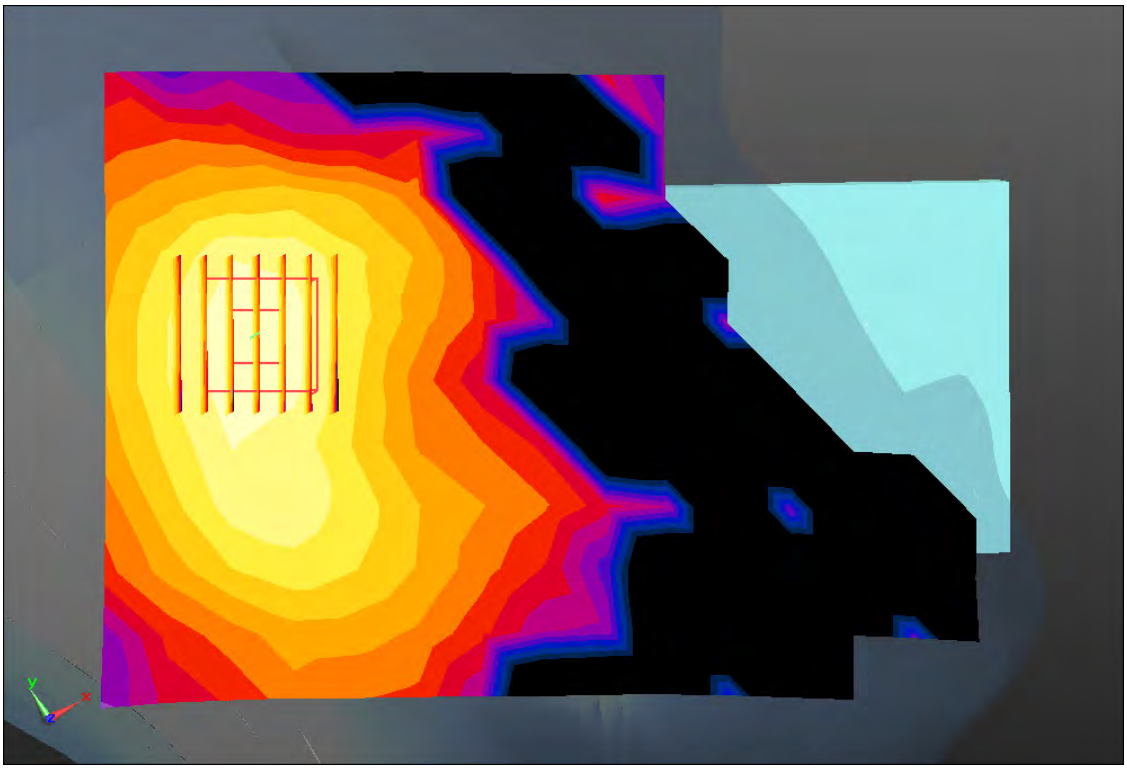
Test Date: 2018-09-06; Ambient Temp: 20.9; Tissue Temp: 21.2

Left Tilt, W-LAN(802.11g - 2.4G) Ch. 6, Ant Internal, Standard Battery, MIMO

Area Scan (11x16x1): Measurement grid: dx=12mm, dy=12mm
Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Power Drift = 0.08 dB
Peak SAR (extrapolated) = 0.585 W/kg
SAR(1 g) = 0.268 W/kg; SAR(10 g) = 0.127 W/kg



0 dB = 0.414 W/kg



Enlarged Plot for A12

DT&C Co., Ltd.

DUT: KX1801; Type: Bar

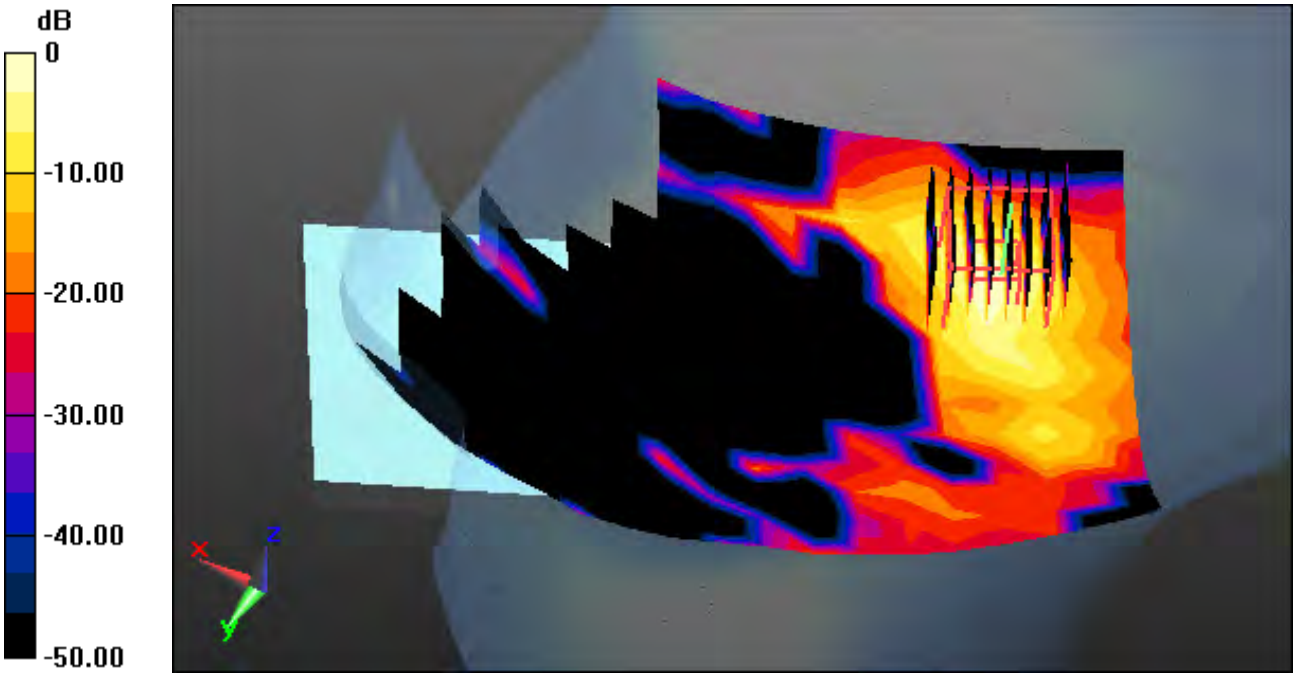
Communication System: UID 0, W-LAN_5 GHz(FCC) (0); Frequency: 5240 MHz; Duty Cycle: 1:1
Medium parameters used: f = 5240 MHz; σ = 4.789 S/m; ε_r = 35.745; ρ = 1000 kg/m^3
Phantom section: Right Section

DASY5 Configuration:
Probe: EX3DV4 - SN3866; ConvF(5.14, 5.14, 5.14); Calibrated: 5/31/2018; Electronics: DAE4 Sn1394
Sensor-Surface: 1.4mm (Mechanical Surface Detection)
Phantom: SAM-twin right_2013_09_24; Type: QD000P40CD; Serial: 1783
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

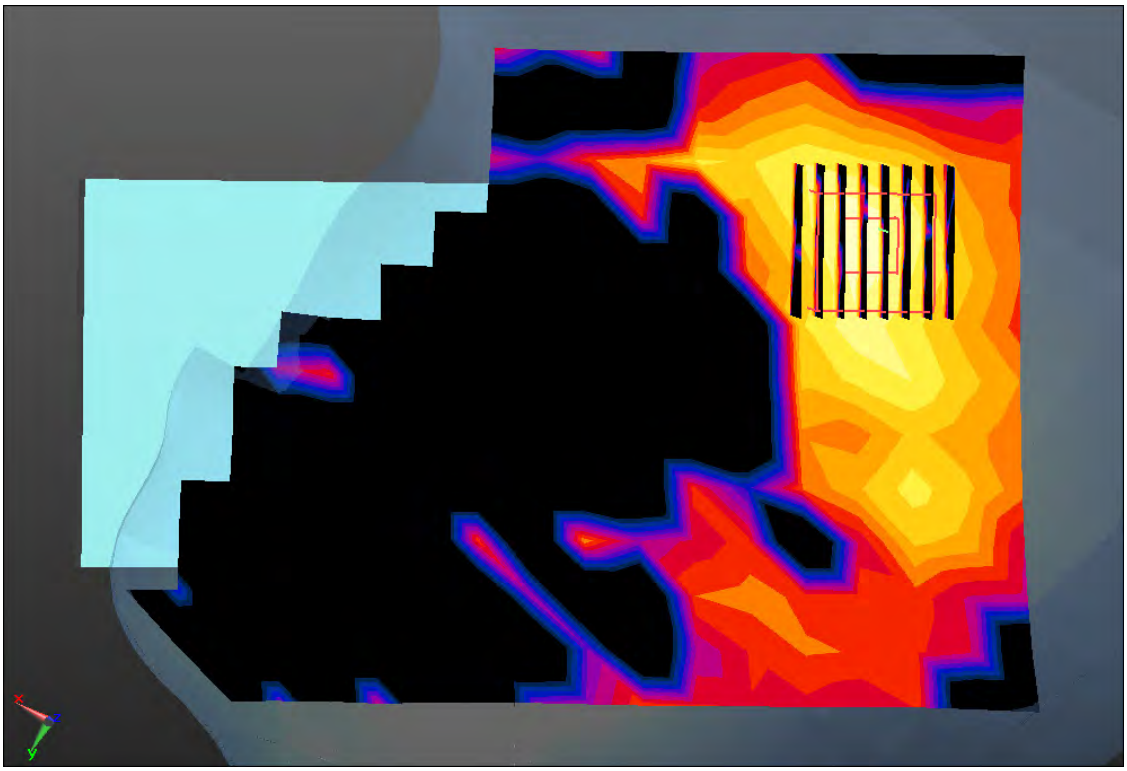
Test Date: 2018-09-14; Ambient Temp: 20.9; Tissue Temp: 20.8

Right Touch, W-LAN(802.11a - 5.2G) Ch. 48, Ant Internal, Standard Battery, Ant.1

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 = 0.15 dB
Peak SAR (extrapolated) = 1.18 W/kg
SAR(1 g) = 0.273 W/kg; SAR(10 g) = 0.069 W/kg



0 dB = 0.725 W/kg



Enlarged Plot for A13

DT&C Co., Ltd.

DUT: KX1801; Type: Bar

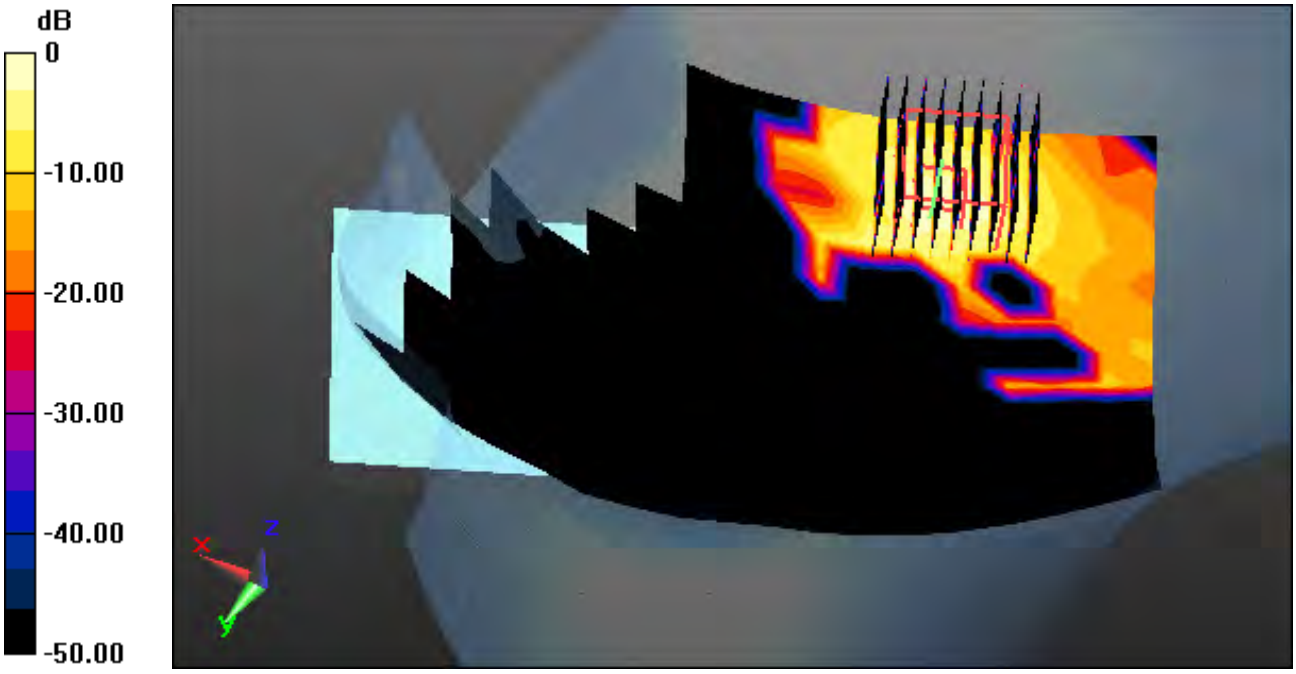
Communication System: UID 0, W-LAN_5 GHz(FCC) (0); Frequency: 5240 MHz; Duty Cycle: 1:1
Medium parameters used: f = 5240 MHz; σ = 4.789 S/m; ε_r = 35.745; ρ = 1000 kg/m^3
Phantom section: Right Section

DASY5 Configuration:
Probe: EX3DV4 - SN3866; ConvF(5.14, 5.14, 5.14); Calibrated: 5/31/2018; Electronics: DAE4 Sn1394
Sensor-Surface: 1.4mm (Mechanical Surface Detection)
Phantom: SAM-twin right_2013_09_24; Type: QD000P40CD; Serial: 1783
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

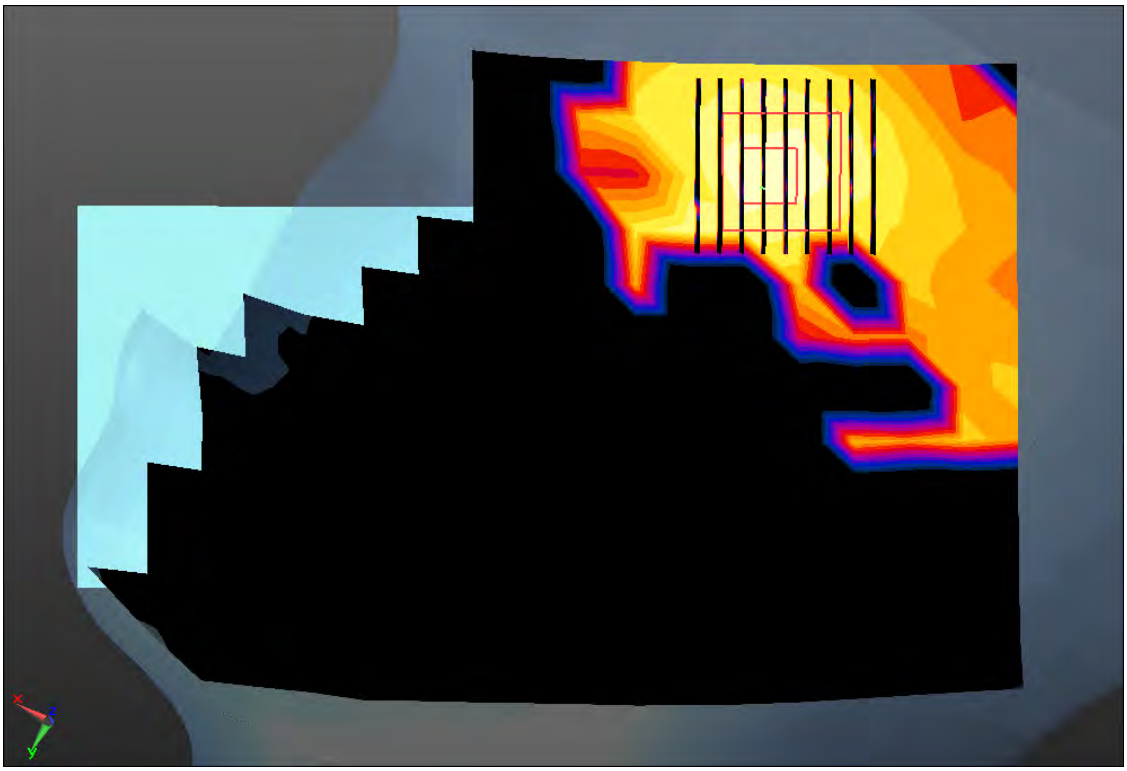
Test Date: 2018-09-14; Ambient Temp: 20.9; Tissue Temp: 20.8

Right Touch, W-LAN(802.11a - 5.2G) Ch. 48, Ant Internal, Standard Battery, Ant.2

Area Scan (13x21x1): Measurement grid: dx=10mm, dy=10mm
Zoom Scan (9x9x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm, Graded Ratio: 1.4
Power Drift = 0.00 dB
Peak SAR (extrapolated) = 0.252 W/kg
SAR(1 g) = 0.049 W/kg; SAR(10 g) = 0.015 W/kg



0 dB = 0.153 W/kg



Enlarged Plot for A14

DT&C Co., Ltd.

DUT: KX1801; Type: Bar

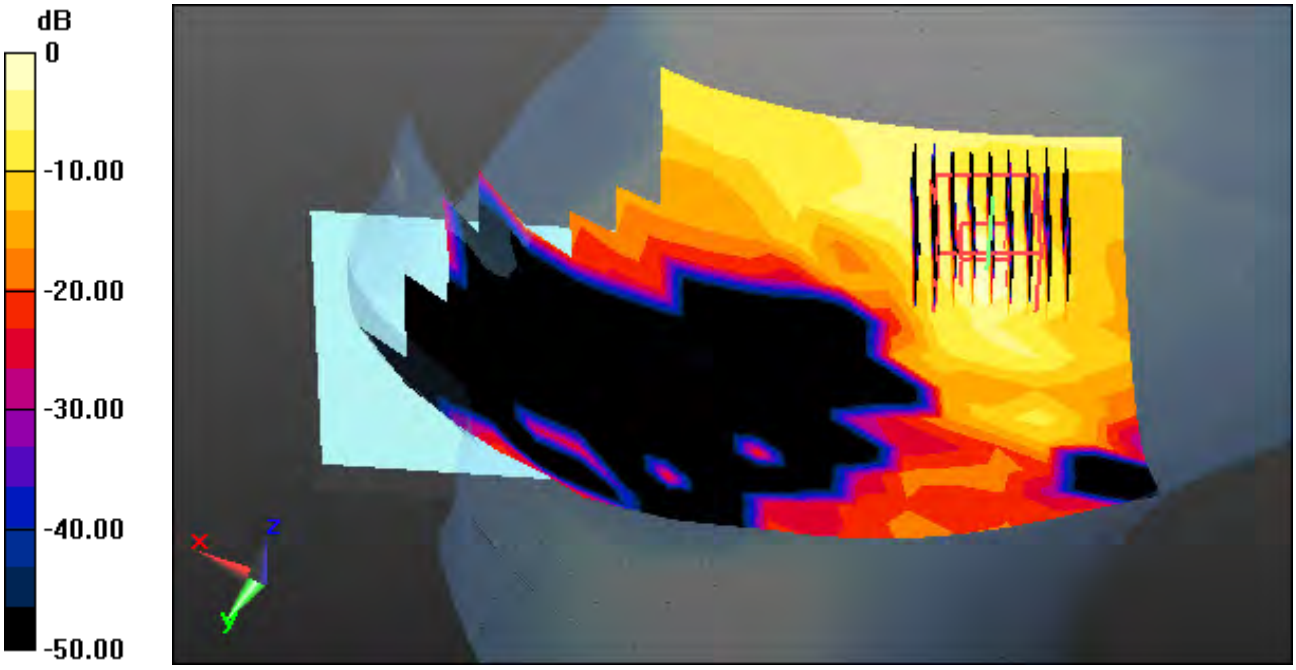
Communication System: UID 0, W-LAN_5 GHz(FCC) (0); Frequency: 5240 MHz; Duty Cycle: 1:1
Medium parameters used: f = 5240 MHz; σ = 4.789 S/m; ε_r = 35.745; ρ = 1000 kg/m^3
Phantom section: Right Section

DASY5 Configuration:
Probe: EX3DV4 - SN3866; ConvF(5.14, 5.14, 5.14); Calibrated: 5/31/2018; Electronics: DAE4 Sn1394
Sensor-Surface: 1.4mm (Mechanical Surface Detection)
Phantom: SAM-twin right_2013_09_24; Type: QD000P40CD; Serial: 1783
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

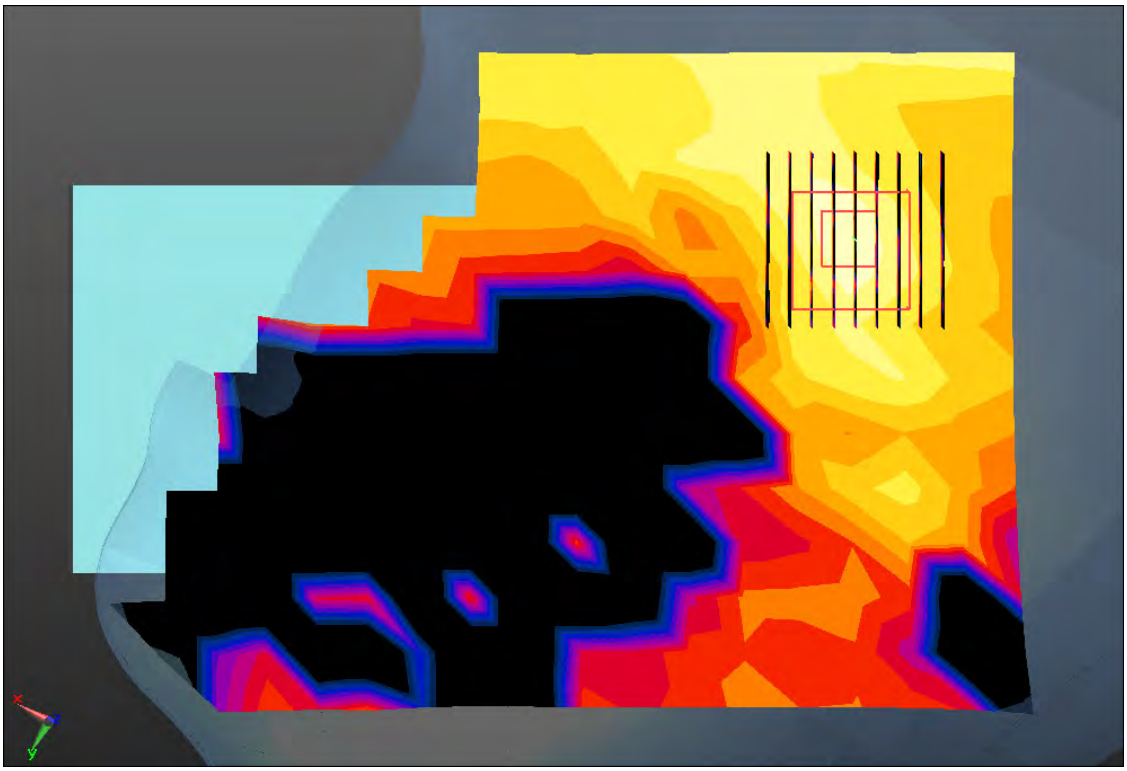
Test Date: 2018-09-14; Ambient Temp: 20.9; Tissue Temp: 20.8

Right Touch, W-LAN(802.11a - 5.2G) Ch. 48, Ant Internal, Standard Battery, MIMO

Area Scan (13x21x1): Measurement grid: dx=10mm, dy=10mm
Zoom Scan (9x9x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm, Graded Ratio: 1.4
Power Drift = 0.11 dB
Peak SAR (extrapolated) = 1.11 W/kg
SAR(1 g) = 0.258 W/kg; SAR(10 g) = 0.067 W/kg



0 dB = 0.731 W/kg



Enlarged Plot for A15

DT&C Co., Ltd.

DUT: KX1801; Type: Bar

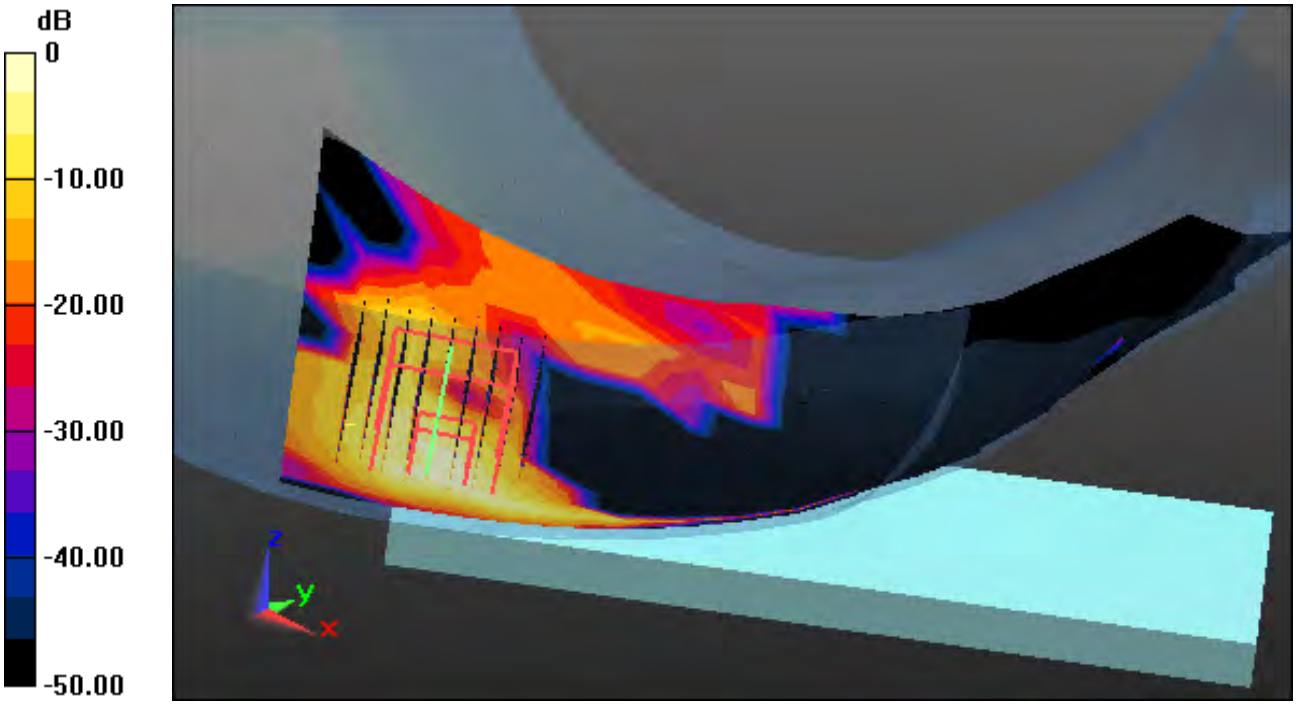
Communication System: UID 0, W-LAN_5 GHz(FCC) (0); Frequency: 5600 MHz; Duty Cycle: 1:1
Medium parameters used: f = 5600 MHz; σ = 5.209 S/m; ε_r = 34.944; ρ = 1000 kg/m^3
Phantom section: Right Section

DASY5 Configuration:
Probe: EX3DV4 - SN3866; ConvF(4.52, 4.52, 4.52); Calibrated: 5/31/2018; Electronics: DAE4 Sn1394
Sensor-Surface: 1.4mm (Mechanical Surface Detection)
Phantom: SAM-twin right_2013_09_24; Type: QD000P40CD; Serial: 1783
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

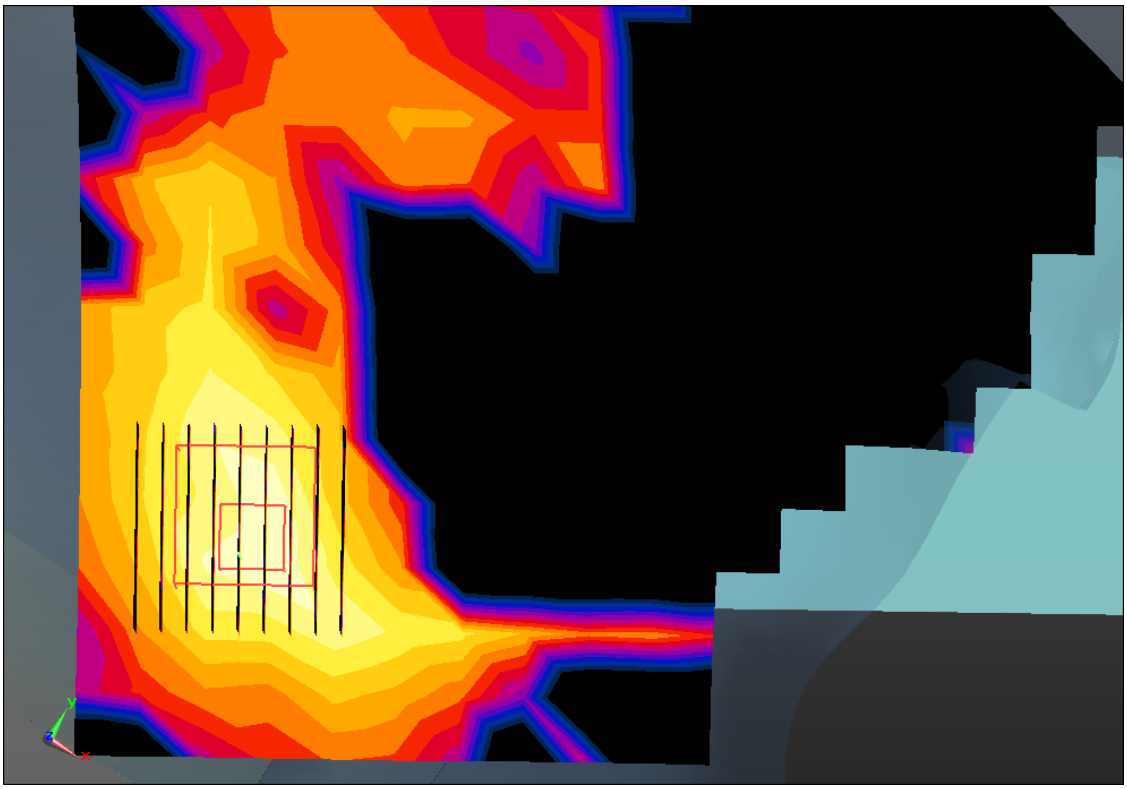
Test Date: 2018-09-12; Ambient Temp: 21.3; Tissue Temp: 21.0

Right Touch, W-LAN(802.11a - 5.6G) Ch. 120, Ant Internal, Standard Battery, Ant.1

Area Scan (13x21x1): Measurement grid: dx=10mm, dy=10mm
Zoom Scan (9x9x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm, Graded Ratio: 1.4
Power Drift = 0.10 dB
Peak SAR (extrapolated) = 2.15 W/kg
SAR(1 g) = 0.437 W/kg; SAR(10 g) = 0.127 W/kg



0 dB = 1.14 W/kg



Enlarged Plot for A16

DT&C Co., Ltd.

DUT: KX1801; Type: Bar

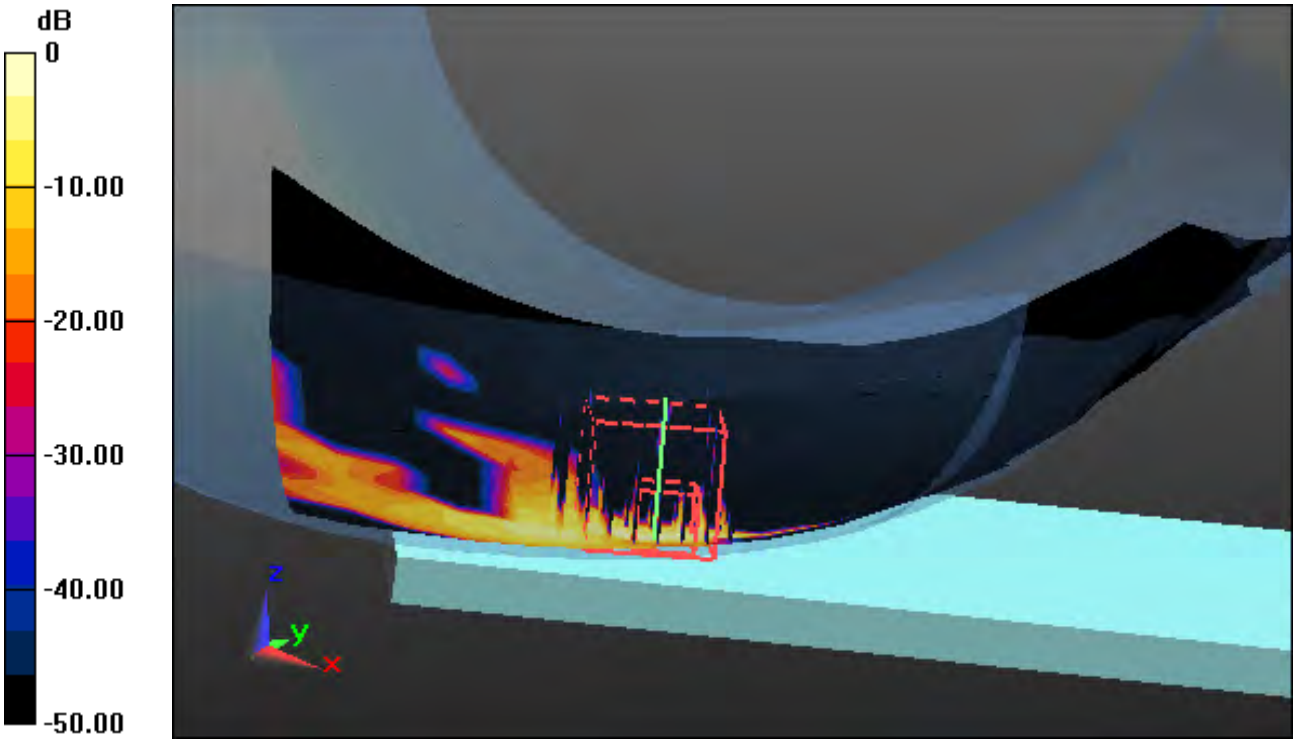
Communication System: UID 0, W-LAN_5 GHz(FCC) (0); Frequency: 5600 MHz; Duty Cycle: 1:1
Medium parameters used: f = 5600 MHz; σ = 5.209 S/m; ε_r = 34.944; ρ = 1000 kg/m^3
Phantom section: Right Section

DASY5 Configuration:
Probe: EX3DV4 - SN3866; ConvF(4.52, 4.52, 4.52); Calibrated: 5/31/2018; Electronics: DAE4 Sn1394
Sensor-Surface: 1.4mm (Mechanical Surface Detection)
Phantom: SAM-twin right_2013_09_24; Type: QD000P40CD; Serial: 1783
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

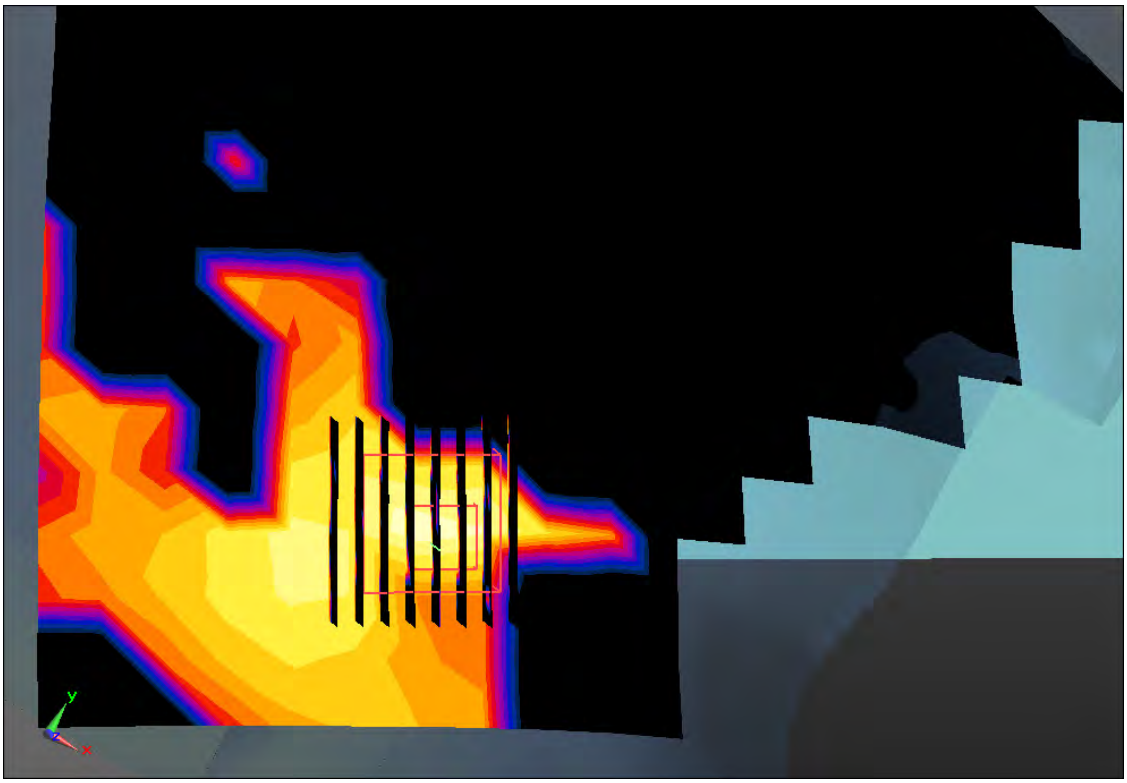
Test Date: 2018-09-12; Ambient Temp: 21.3; Tissue Temp: 21.0

Right Touch, W-LAN(802.11a - 5.6G) Ch. 120, Ant Internal, Standard Battery, Ant.2

Area Scan (13x21x1): Measurement grid: dx=10mm, dy=10mm
Zoom Scan (9x8x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm, Graded Ratio: 1.4
Power Drift = 0.00 dB
Peak SAR (extrapolated) = 0.561 W/kg
SAR(1 g) = 0.067 W/kg; SAR(10 g) = 0.013 W/kg



0 dB = 0.306 W/kg



Enlarged Plot for A17

DT&C Co., Ltd.

DUT: KX1801; Type: Bar

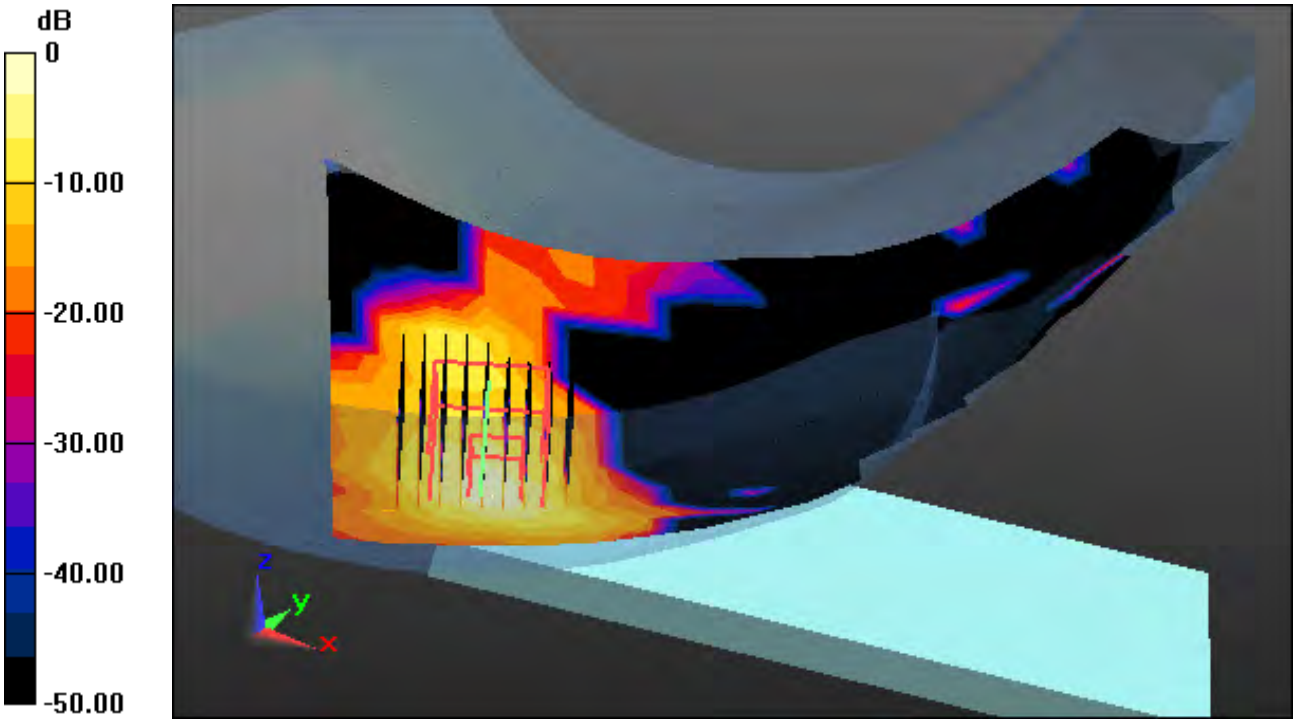
Communication System: UID 0, W-LAN_5 GHz(FCC) (0); Frequency: 5600 MHz; Duty Cycle: 1:1
Medium parameters used: f = 5600 MHz; σ = 5.209 S/m; ε_r = 34.944; ρ = 1000 kg/m^3
Phantom section: Right Section

DASY5 Configuration:
Probe: EX3DV4 - SN3866; ConvF(4.52, 4.52, 4.52); Calibrated: 5/31/2018; Electronics: DAE4 Sn1394
Sensor-Surface: 1.4mm (Mechanical Surface Detection)
Phantom: SAM-twin right_2013_09_24; Type: QD000P40CD; Serial: 1783
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

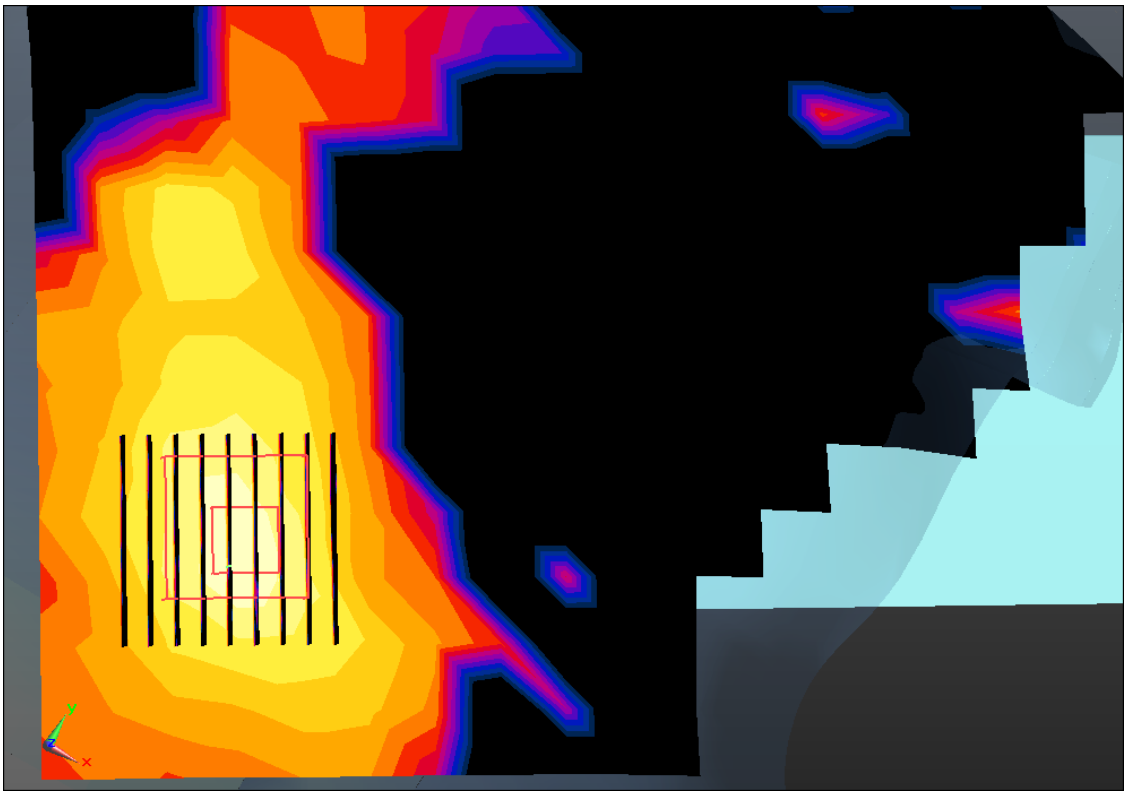
Test Date: 2018-09-12; Ambient Temp: 21.3; Tissue Temp: 21.0

Right Tilt, W-LAN(802.11a - 5.6G) Ch. 120, Ant Internal, Standard Battery, MIMO

Area Scan (13x21x1): Measurement grid: dx=10mm, dy=10mm
Zoom Scan (9x9x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm, Graded Ratio: 1.4
Power Drift = 0.19 dB
Peak SAR (extrapolated) = 4.35 W/kg
SAR(1 g) = 0.401 W/kg; SAR(10 g) = 0.114 W/kg



0 dB = 1.05 W/kg



Enlarged Plot for A18

DT&C Co., Ltd.

DUT: KX1801; Type: Bar

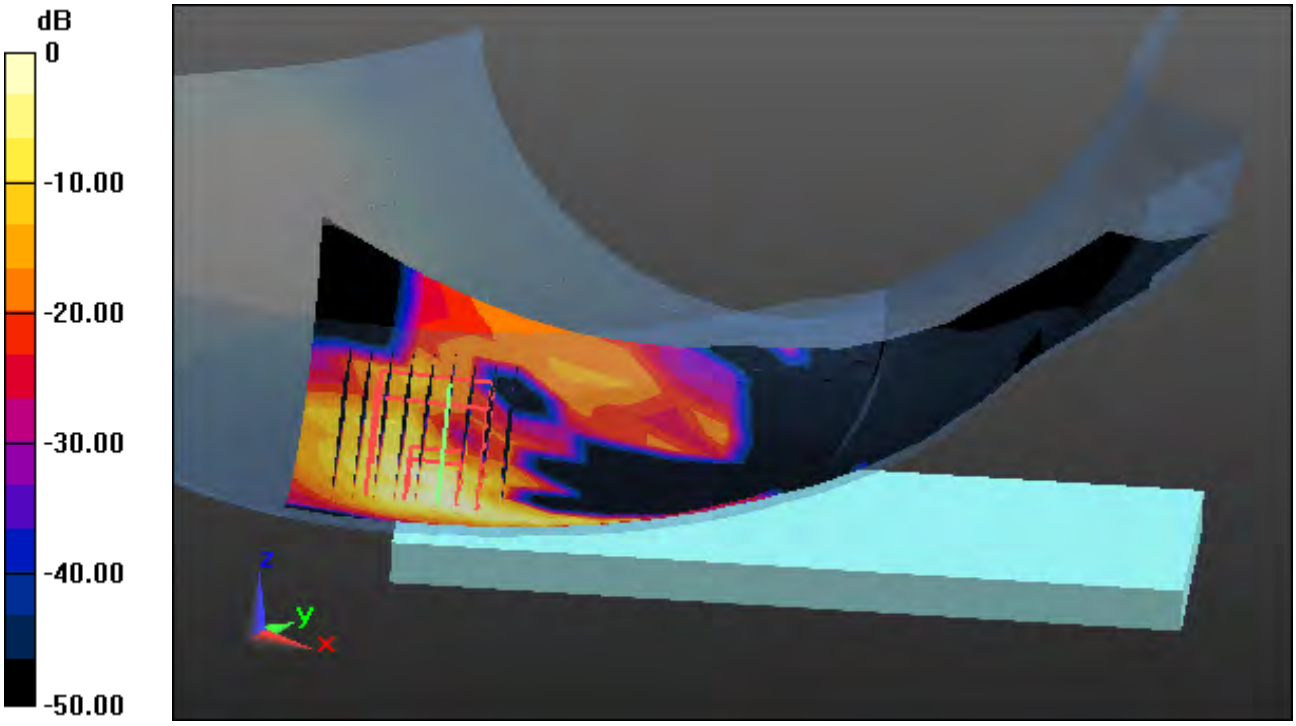
Communication System: UID 0, W-LAN_5 GHz(FCC) (0); Frequency: 5785 MHz; Duty Cycle: 1:1
Medium parameters used: f = 5785 MHz; σ = 5.39 S/m; ε_r = 34.326; ρ = 1000 kg/m^3
Phantom section: Right Section

DASY5 Configuration:
Probe: EX3DV4 - SN3866; ConvF(4.69, 4.69, 4.69); Calibrated: 5/31/2018; Electronics: DAE4 Sn1394
Sensor-Surface: 1.4mm (Mechanical Surface Detection)
Phantom: SAM-twin right_2013_09_24; Type: QD000P40CD; Serial: 1783
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

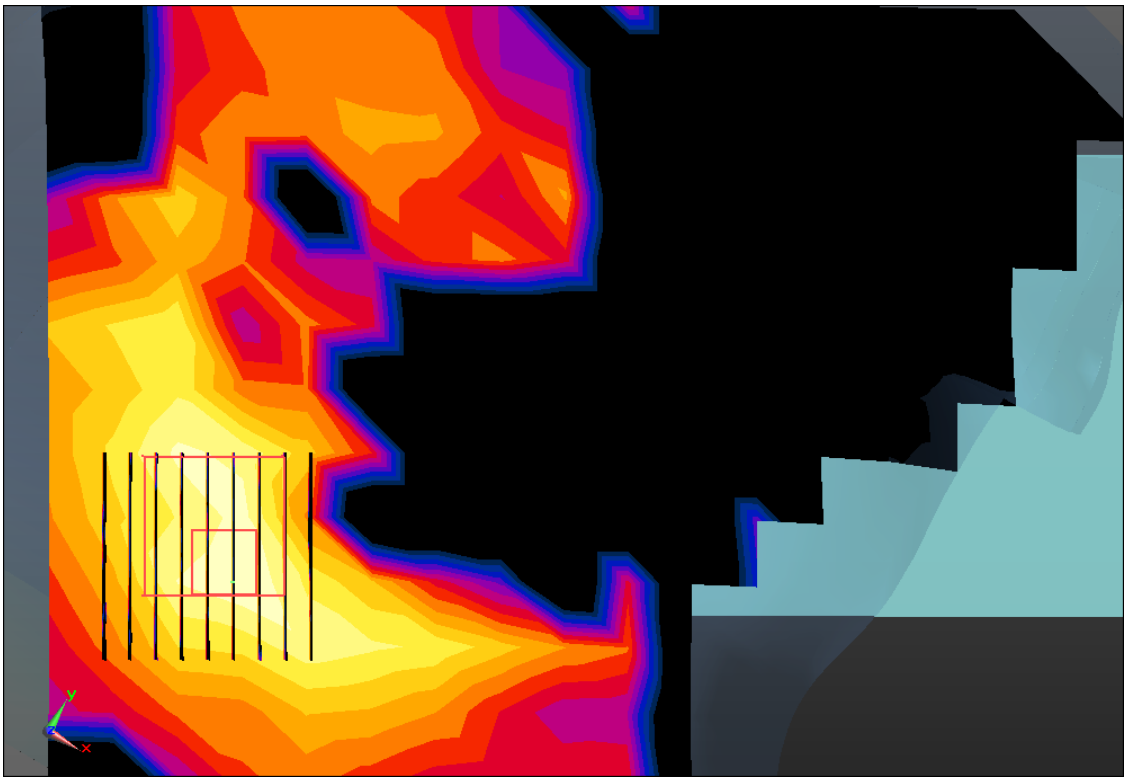
Test Date: 2018-09-10; Ambient Temp: 21.1; Tissue Temp: 21.3

Right Touch, W-LAN(802.11a - 5.8G) Ch. 157, Ant Internal, Standard Battery, Ant.1

Area Scan (13x21x1): Measurement grid: dx=10mm, dy=10mm
Zoom Scan (9x9x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm, Graded Ratio: 1.4
Power Drift = -0.06 dB
Peak SAR (extrapolated) = 2.69 W/kg
SAR(1 g) = 0.334 W/kg; SAR(10 g) = 0.098 W/kg



0 dB = 0.993 W/kg



Enlarged Plot for A19

DT&C Co., Ltd.

DUT: KX1801; Type: Bar

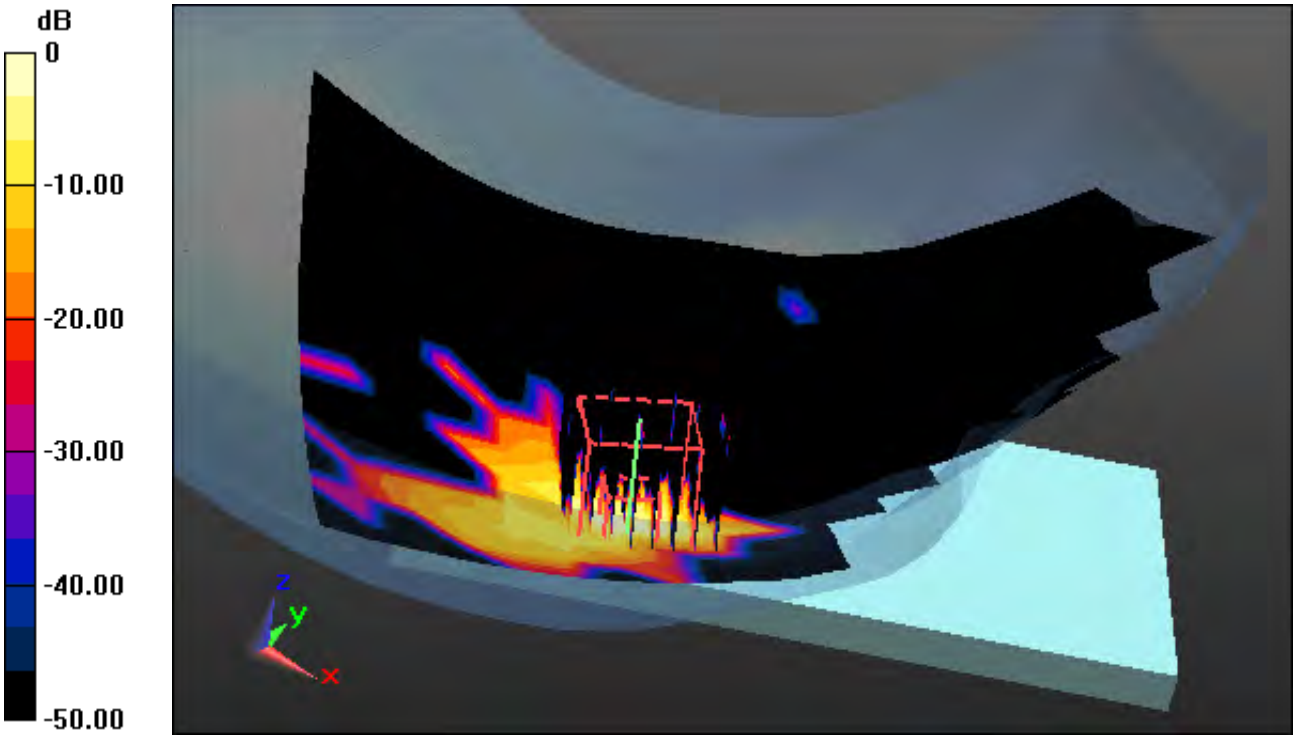
Communication System: UID 0, W-LAN_5 GHz(FCC) (0); Frequency: 5785 MHz; Duty Cycle: 1:1
Medium parameters used: f = 5785 MHz; σ = 5.39 S/m; ε_r = 34.326; ρ = 1000 kg/m^3
Phantom section: Right Section

DASY5 Configuration:
Probe: EX3DV4 - SN3866; ConvF(4.69, 4.69, 4.69); Calibrated: 5/31/2018; Electronics: DAE4 Sn1394
Sensor-Surface: 1.4mm (Mechanical Surface Detection)
Phantom: SAM-twin right_2013_09_24; Type: QD000P40CD; Serial: 1783
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

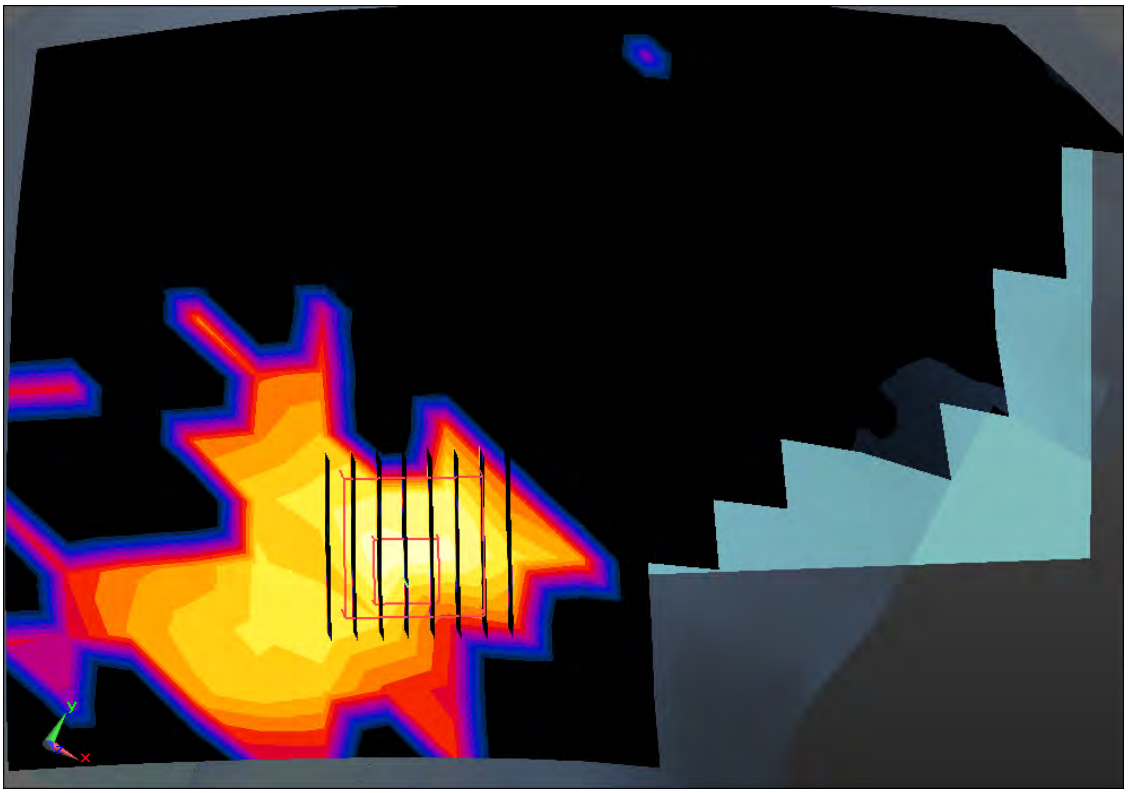
Test Date: 2018-09-10; Ambient Temp: 21.1; Tissue Temp: 21.3

Right Touch, W-LAN(802.11a - 5.8G) Ch. 157, Ant Internal, Standard Battery, Ant.2

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 = 0.00 dB
Peak SAR (extrapolated) = 0.784 W/kg
SAR(1 g) = 0.099 W/kg; SAR(10 g) = 0.022 W/kg



0 dB = 0.395 W/kg



Enlarged Plot for A20

DT&C Co., Ltd.

DUT: KX1801; Type: Bar

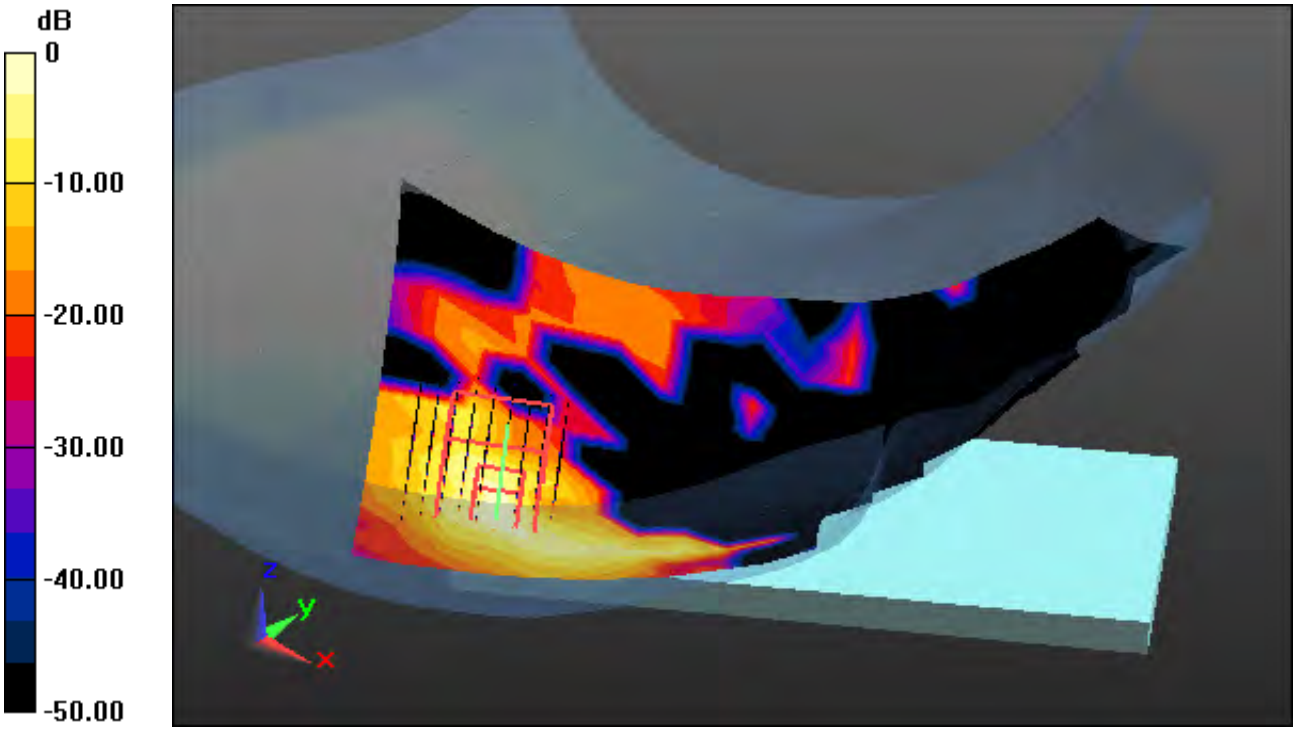
Communication System: UID 0, W-LAN_5 GHz(FCC) (0); Frequency: 5785 MHz; Duty Cycle: 1:1
Medium parameters used: f = 5785 MHz; σ = 5.39 S/m; ε_r = 34.326; ρ = 1000 kg/m^3
Phantom section: Right Section

DASY5 Configuration:
Probe: EX3DV4 - SN3866; ConvF(4.69, 4.69, 4.69); Calibrated: 5/31/2018; Electronics: DAE4 Sn1394
Sensor-Surface: 1.4mm (Mechanical Surface Detection)
Phantom: SAM-twin right_2013_09_24; Type: QD000P40CD; Serial: 1783
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

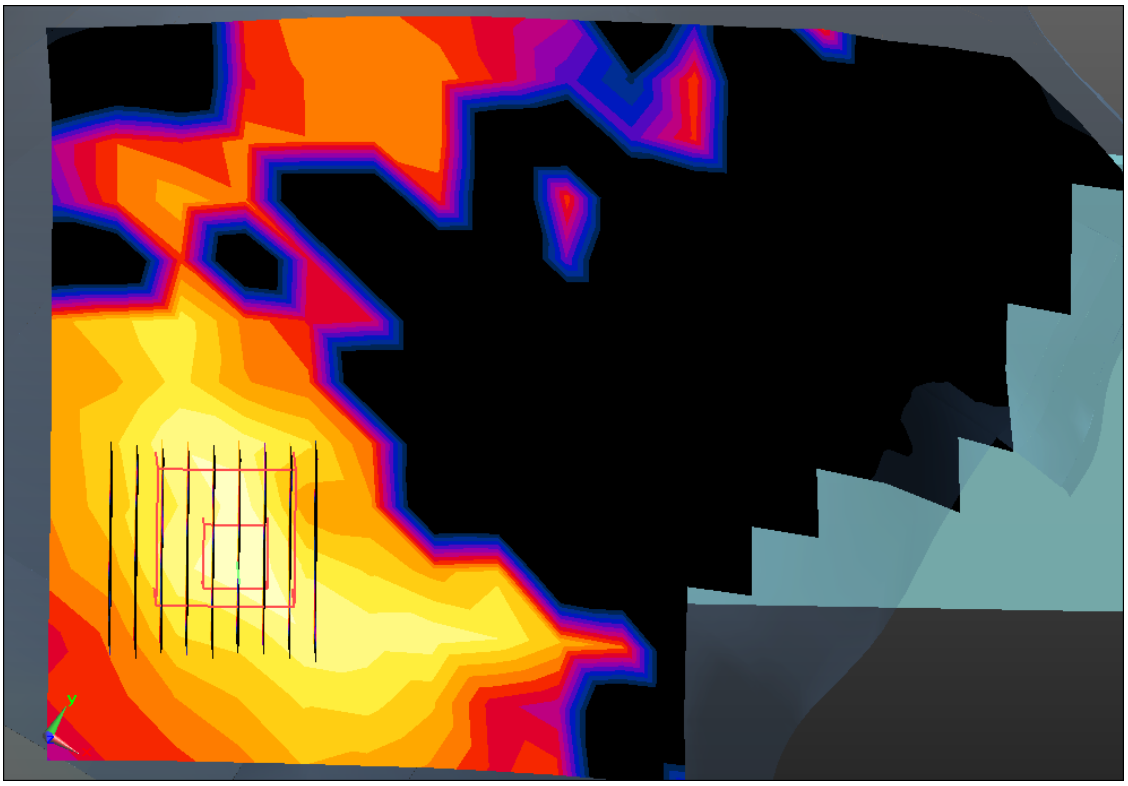
Test Date: 2018-09-10; Ambient Temp: 21.1; Tissue Temp: 21.3

Right Touch, W-LAN(802.11a - 5.8G) Ch. 157, Ant Internal, Standard Battery, MIMO

Area Scan (13x21x1): Measurement grid: dx=10mm, dy=10mm
Zoom Scan (9x9x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm, Graded Ratio: 1.4
Power Drift = 0.16 dB
Peak SAR (extrapolated) = 1.28 W/kg
SAR(1 g) = 0.237 W/kg; SAR(10 g) = 0.070 W/kg



0 dB = 0.785 W/kg



Enlarged Plot for A21

DT&C Co., Ltd.

DUT: KX1801; Type: Bar

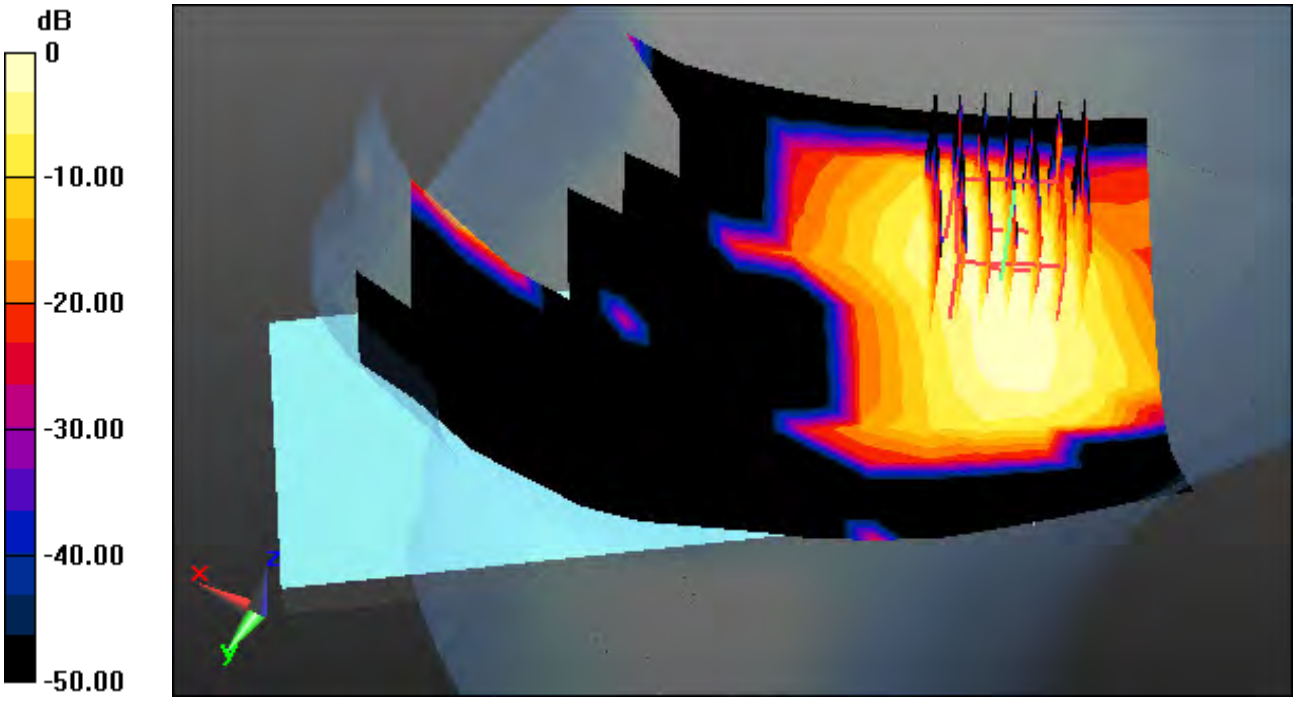
Communication System: UID 0, Bluetooth (0); Frequency: 2441 MHz; Duty Cycle: 1:1.302
Medium parameters used: f = 2441 MHz; σ = 1.743 S/m; ε_r = 40.368; ρ = 1000 kg/m^3
Phantom section: Right Section

DASY5 Configuration:
Probe: EX3DV4 - SN3866; ConvF(7.45, 7.45, 7.45); Calibrated: 5/31/2018; Electronics: DAE4 Sn1394
Sensor-Surface: 2mm (Mechanical Surface Detection)
Phantom: SAM-twin right_2013_09_24; Type: QD000P40CD; Serial: 1783
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

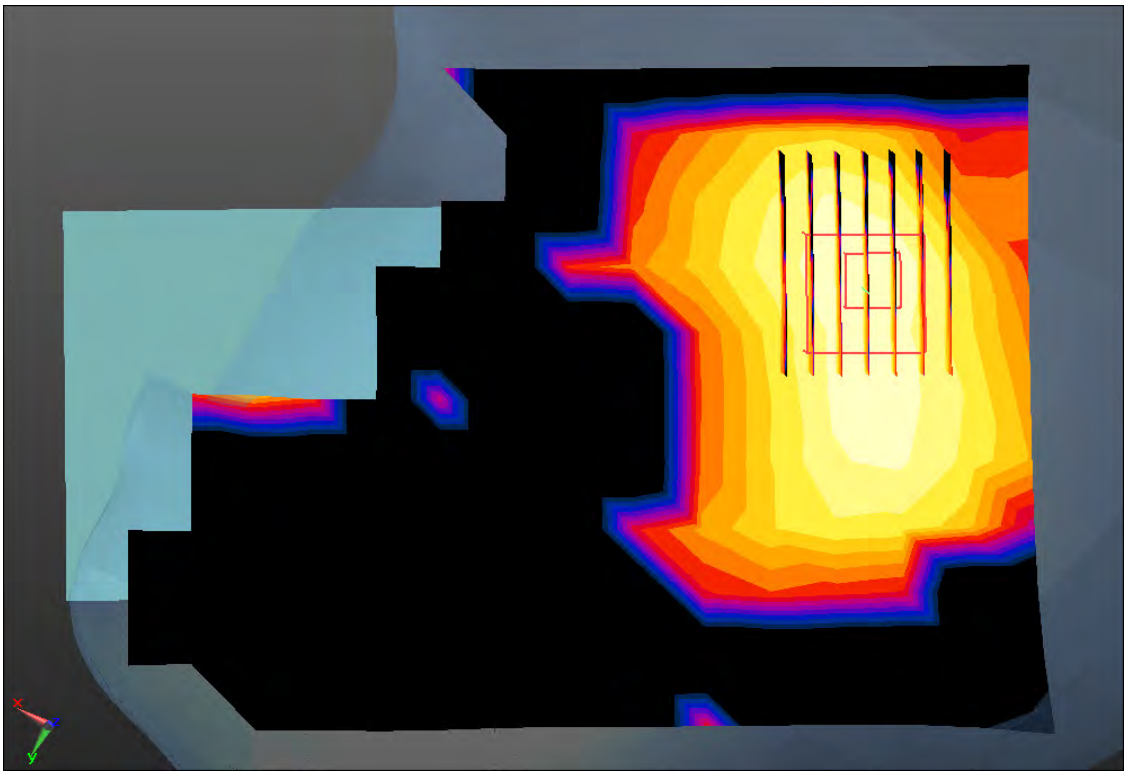
Test Date: 2018-09-06; Ambient Temp: 20.9; Tissue Temp: 21.2

Right Tilt, Bluetooth 1Mbps Ch. 39, Ant Internal, Standard Battery

Area Scan (11x16x1): Measurement grid: dx=12mm, dy=12mm
Zoom Scan (9x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Power Drift = 0.12 dB
Peak SAR (extrapolated) = 0.163 W/kg
SAR(1 g) = 0.060 W/kg; SAR(10 g) = 0.025 W/kg



0 dB = 0.0986 W/kg



Enlarged Plot for A22

DT&C Co., Ltd.

DUT: KX1801; Type: Bar

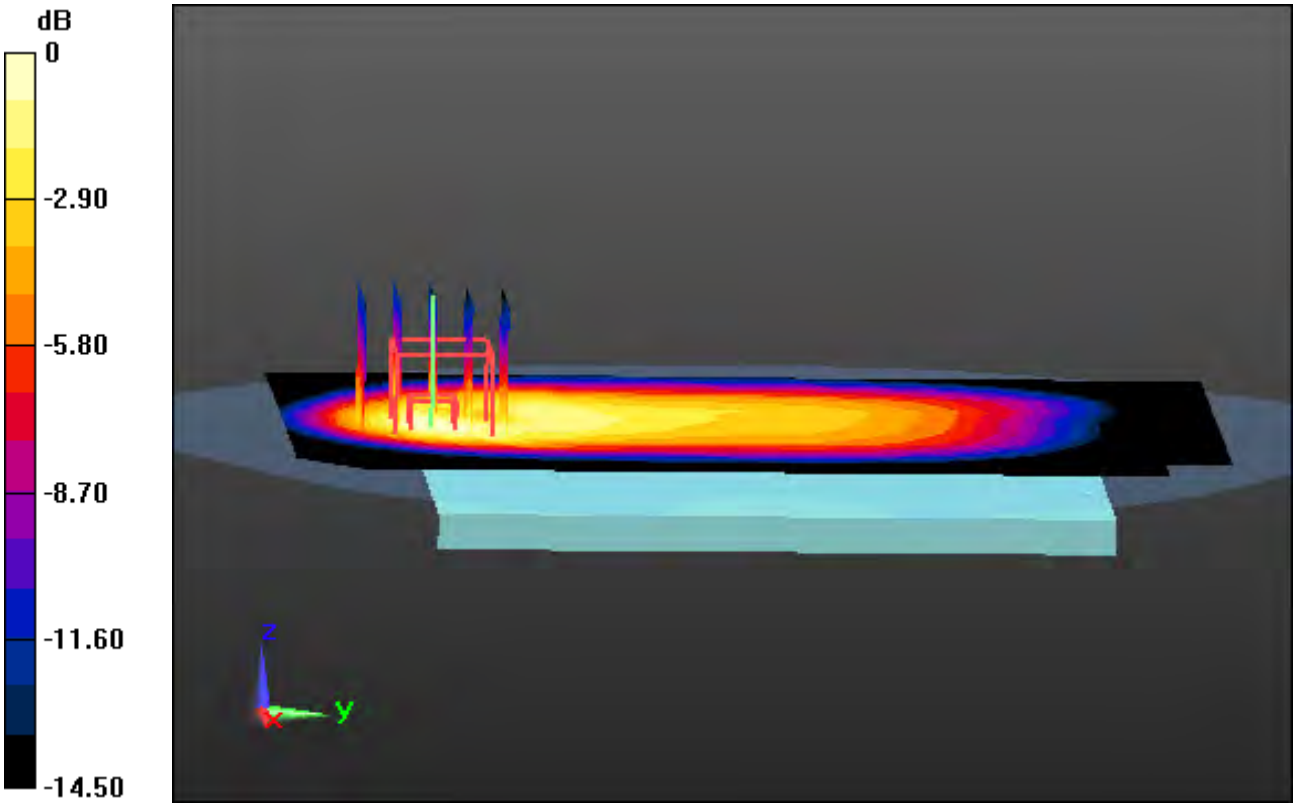
Communication System: UID 0, GSM 850 (0); Frequency: 836.6 MHz;Duty Cycle: 1:8.3
Medium parameters used: f = 836.6 MHz; σ = 0.961 S/m; ε_r = 55.087; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:
Probe: ES3DV3 - SN3328; ConvF(6.23, 6.23, 6.23); Calibrated: 3/21/2018; Electronics: DAE3 Sn520
Sensor-Surface: 3mm (Mechanical Surface Detection)
Phantom: SAM with CRP_2013_10_08_right; Type: QD000P40CD; Serial: 1786
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

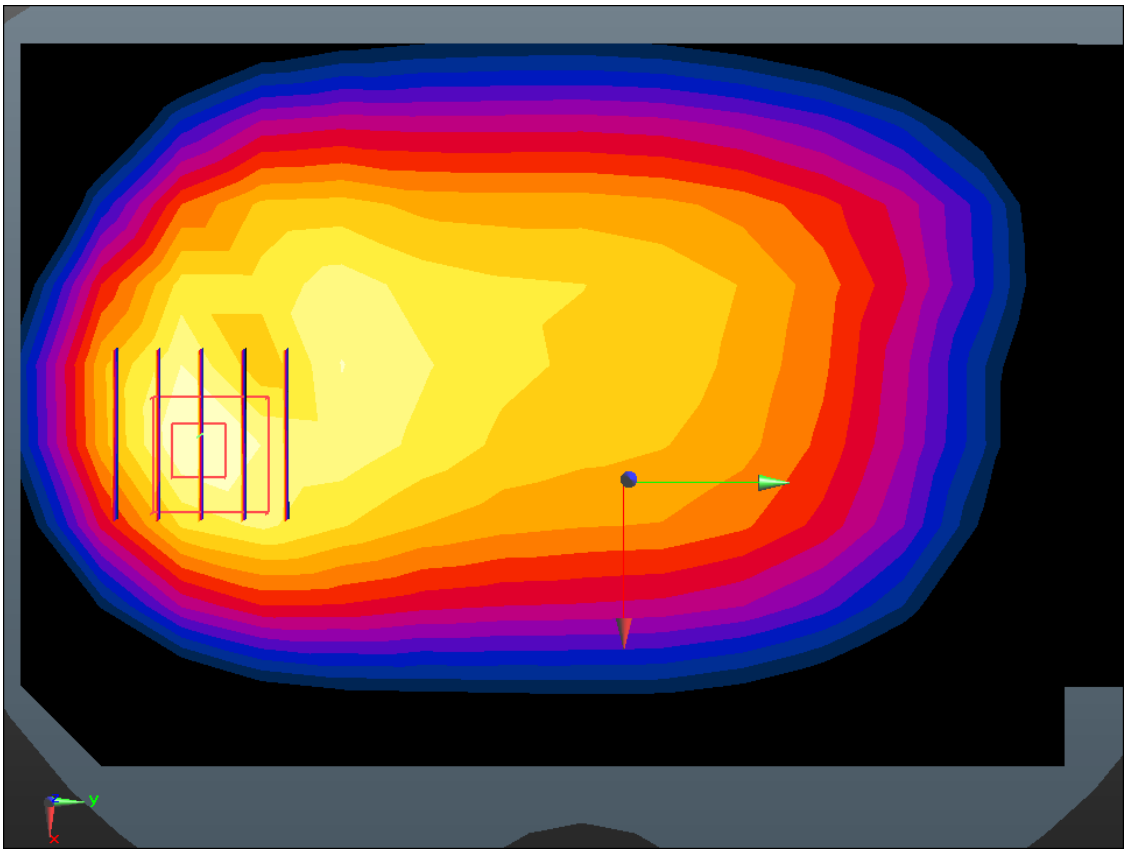
Test Date: 2018-09-03; Ambient Temp: 20.8; Tissue Temp: 21.3

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

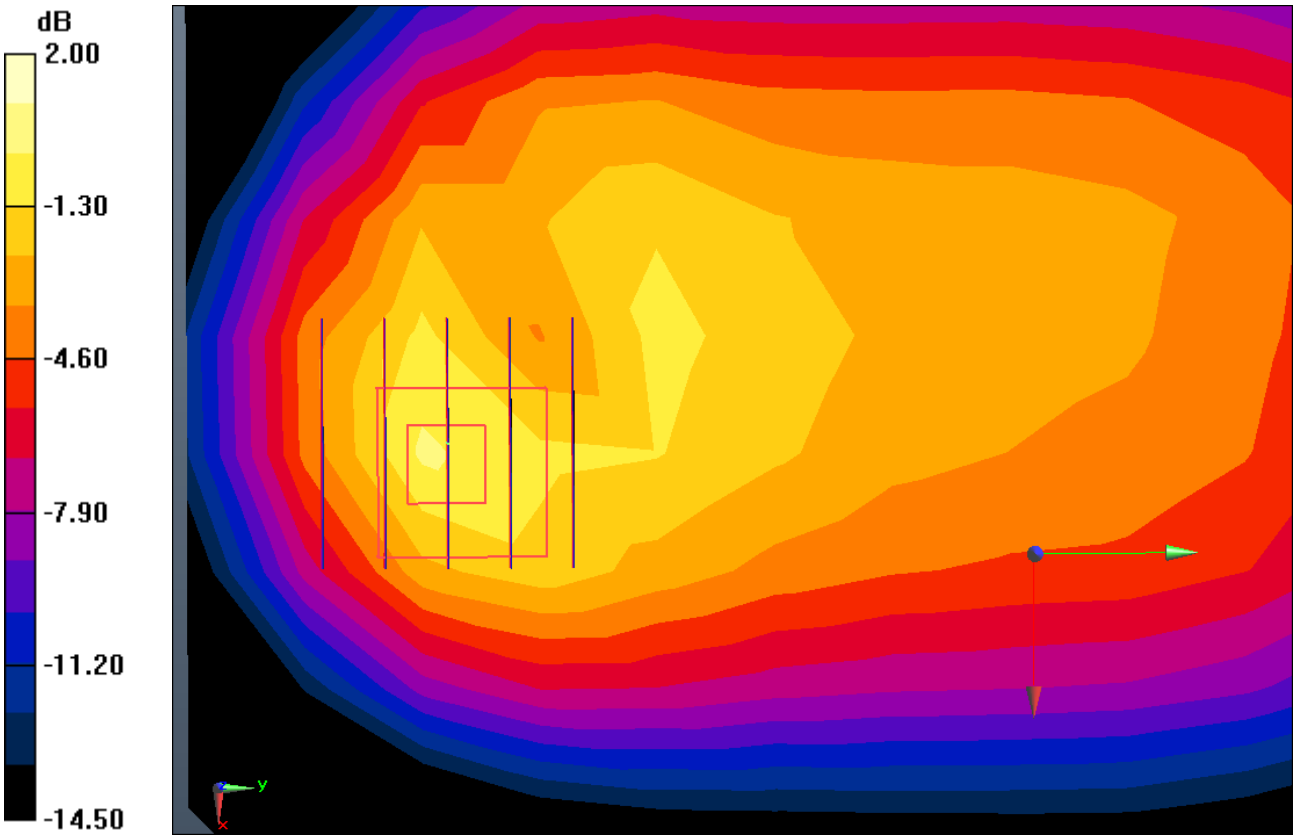
Area Scan (10x15x1): Measurement grid: dx=15mm, dy=15mm
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Power Drift = 0.05 dB
Peak SAR (extrapolated) = 0.605 W/kg
SAR(1 g) = 0.345 W/kg; SAR(10 g) = 0.197 W/kg



0 dB = 0.422 W/kg



Enlarged Plot for A23



Enlarged Plot for A23

DT&C Co., Ltd.

DUT: KX1801; Type: Bar

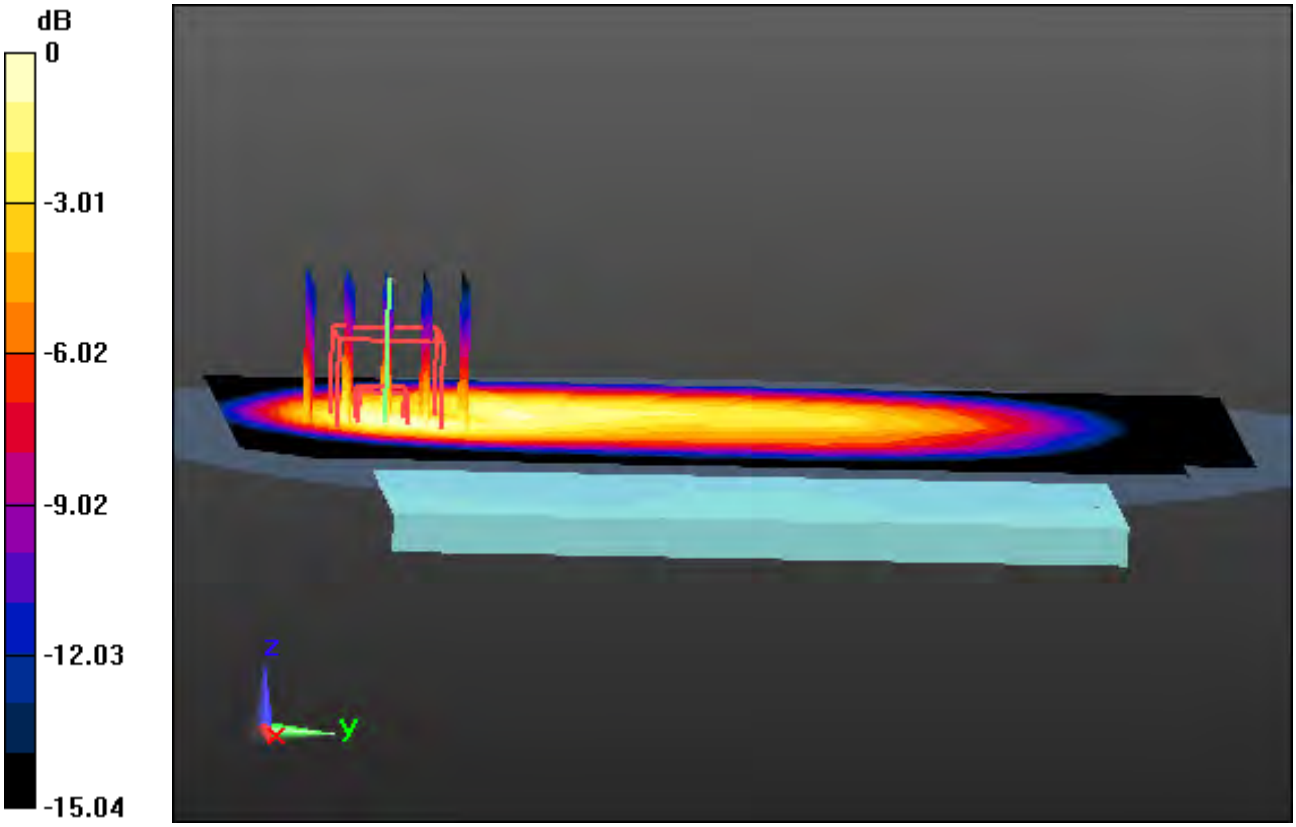
Communication System: UID 0, GSM 850_11 (0); Frequency: 836.6 MHz;Duty Cycle: 1:2.77
Medium parameters used: f = 836.6 MHz; σ = 0.961 S/m; ε_r = 55.087; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:
Probe: ES3DV3 - SN3328; ConvF(6.23, 6.23, 6.23); Calibrated: 3/21/2018; Electronics: DAE3 Sn520
Sensor-Surface: 3mm (Mechanical Surface Detection)
Phantom: SAM with CRP_2013_10_08_right; Type: QD000P40CD; Serial: 1786
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

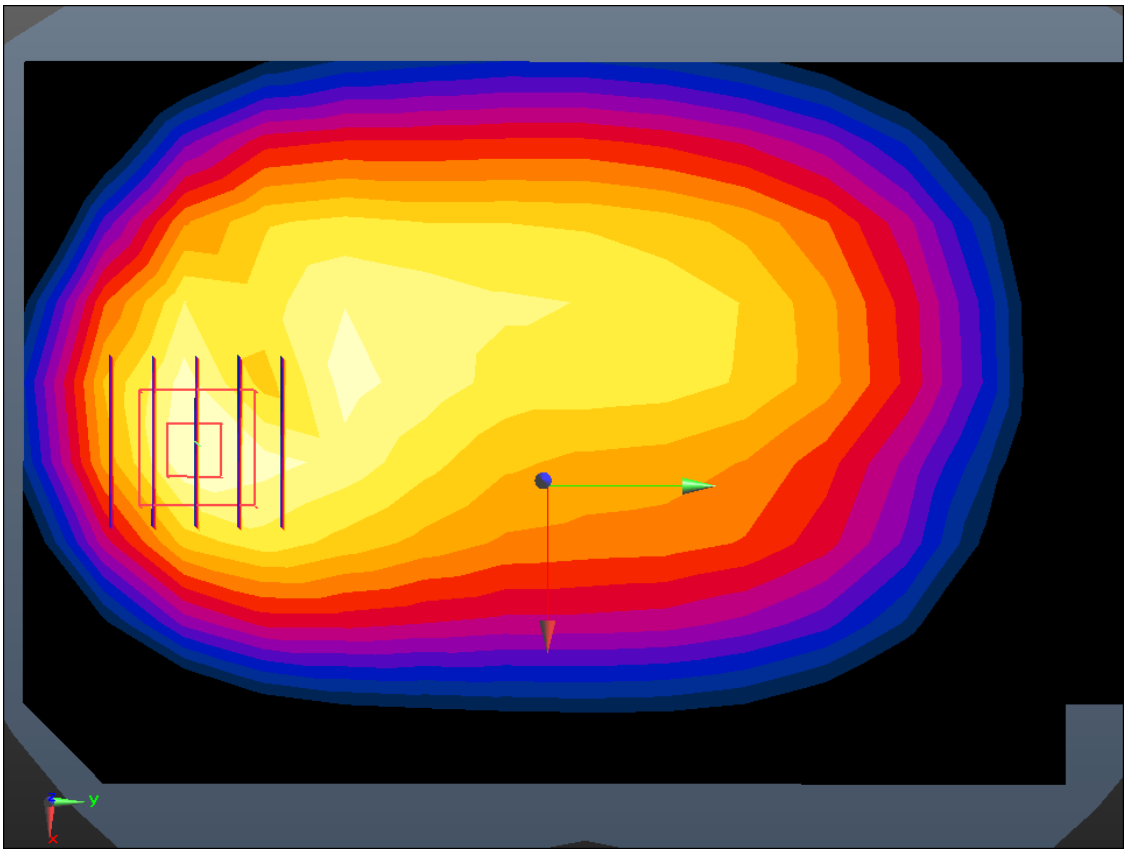
Test Date: 2018-09-03; Ambient Temp: 20.8; Tissue Temp: 21.3

1 cm space from Body, Rear, GSM850 GPRS 3Tx Ch. 190, Ant Internal

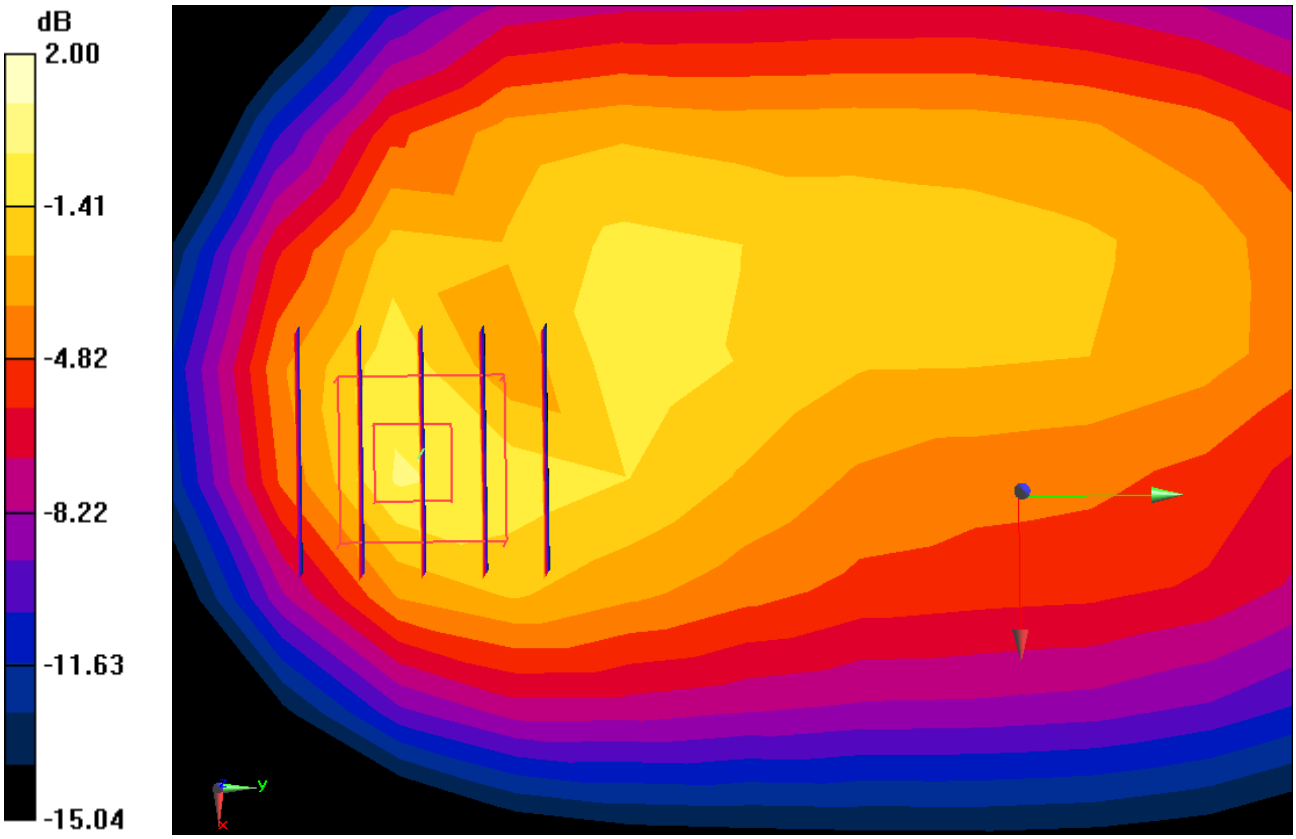
Area Scan (10x15x1): Measurement grid: dx=15mm, dy=15mm
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Power Drift = 0.01 dB
Peak SAR (extrapolated) = 1.02 W/kg
SAR(1 g) = 0.569 W/kg; SAR(10 g) = 0.321 W/kg



0 dB = 0.711 W/kg



Enlarged Plot for A24



Enlarged Plot for A24

DT&C Co., Ltd.

DUT: KX1801; Type: Bar

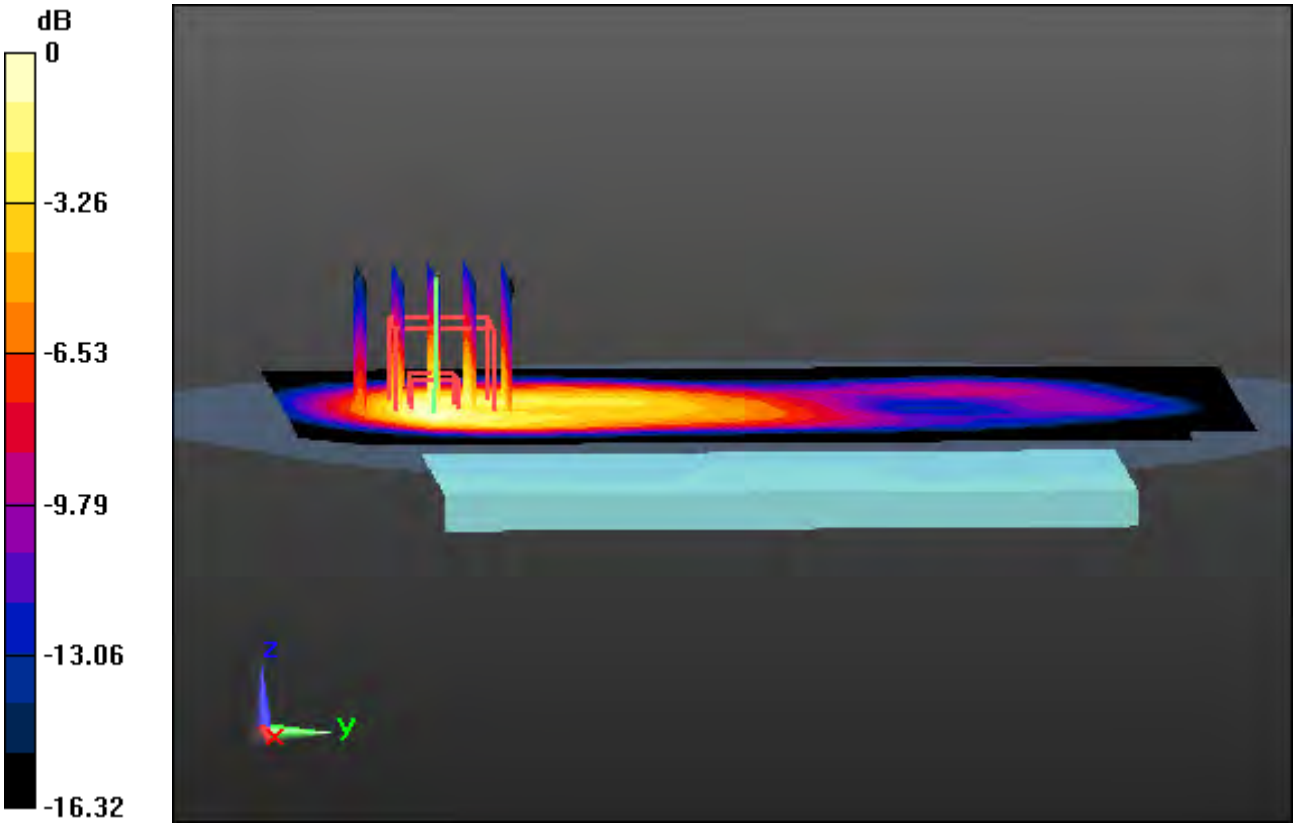
Communication System: UID 0, PCS 1900 (0); Frequency: 1880 MHz;Duty Cycle: 1:8.3
Medium parameters used: f = 1880 MHz; σ = 1.526 S/m; ε_r = 51.657; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:
Probe: ES3DV3 - SN3328; ConvF(4.88, 4.88, 4.88); Calibrated: 3/21/2018; Electronics: DAE3 Sn520
Sensor-Surface: 3mm (Mechanical Surface Detection)
Phantom: SAM with CRP_2016_07_22_middle; Type: QD000P40CD; Serial: 1786
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

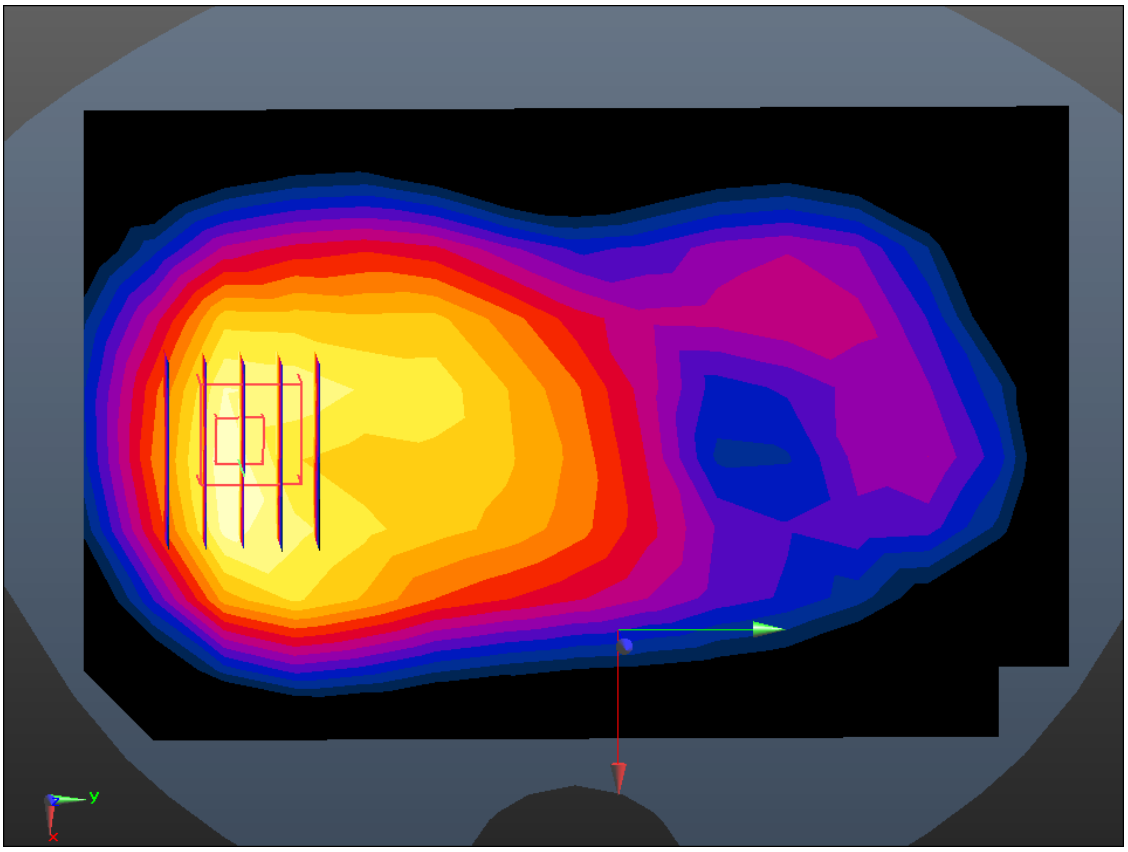
Test Date: 2018-09-04; Ambient Temp: 20.6; Tissue Temp: 21.6

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

Area Scan (10x15x1): Measurement grid: dx=15mm, dy=15mm
Zoom Scan (6x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Power Drift = 0.01 dB
Peak SAR (extrapolated) = 0.564 W/kg
SAR(1 g) = 0.347 W/kg; SAR(10 g) = 0.200 W/kg



0 dB = 0.426 W/kg



Enlarged Plot for A25

DUT: KX1801; Type: Bar

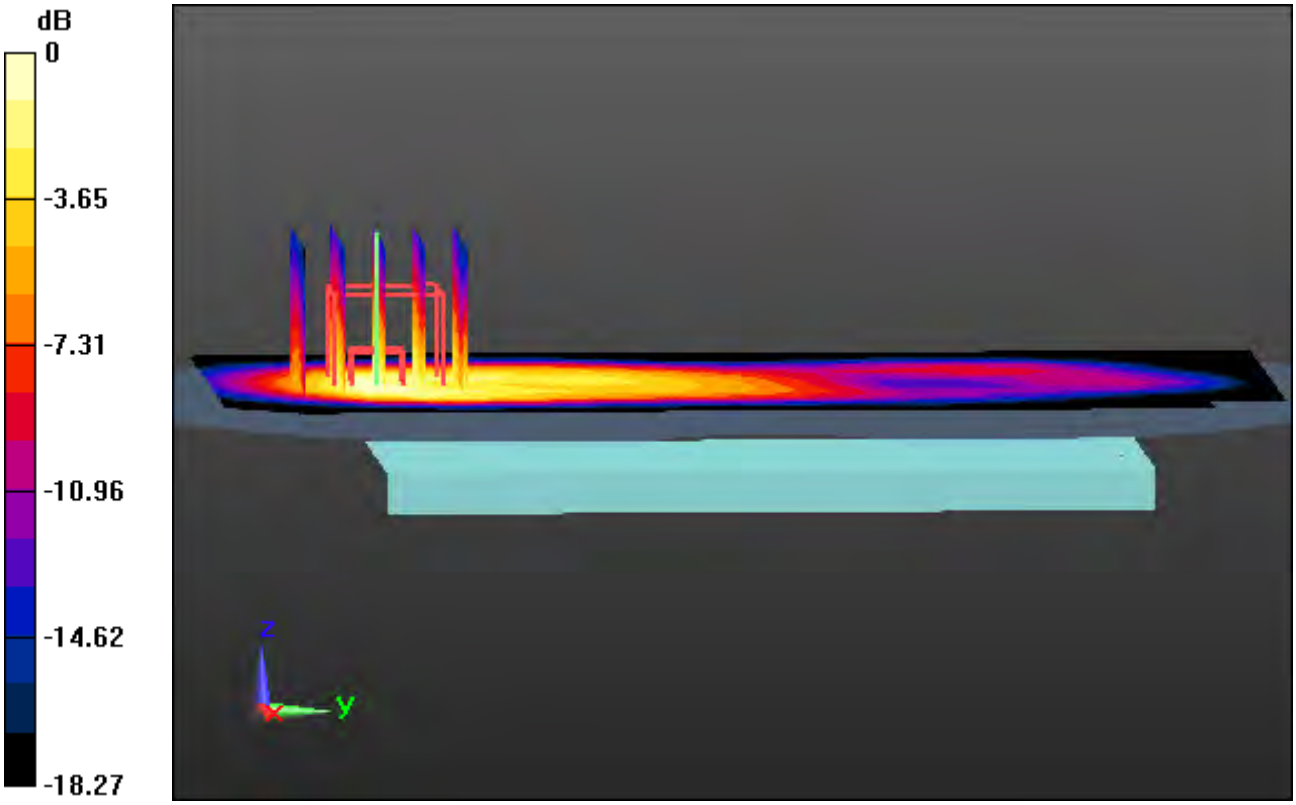
Communication System: UID 0, PCS1900_Class 11 (0); Frequency: 1880 MHz;Duty Cycle: 1:2.77
Medium parameters used: f = 1880 MHz; σ = 1.526 S/m; ε_r = 51.657; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:
Probe: ES3DV3 - SN3328; ConvF(4.88, 4.88, 4.88); Calibrated: 3/21/2018; Electronics: DAE3 Sn520
Sensor-Surface: 3mm (Mechanical Surface Detection)
Phantom: SAM with CRP_2016_07_22_middle; Type: QD000P40CD; Serial: 1786
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

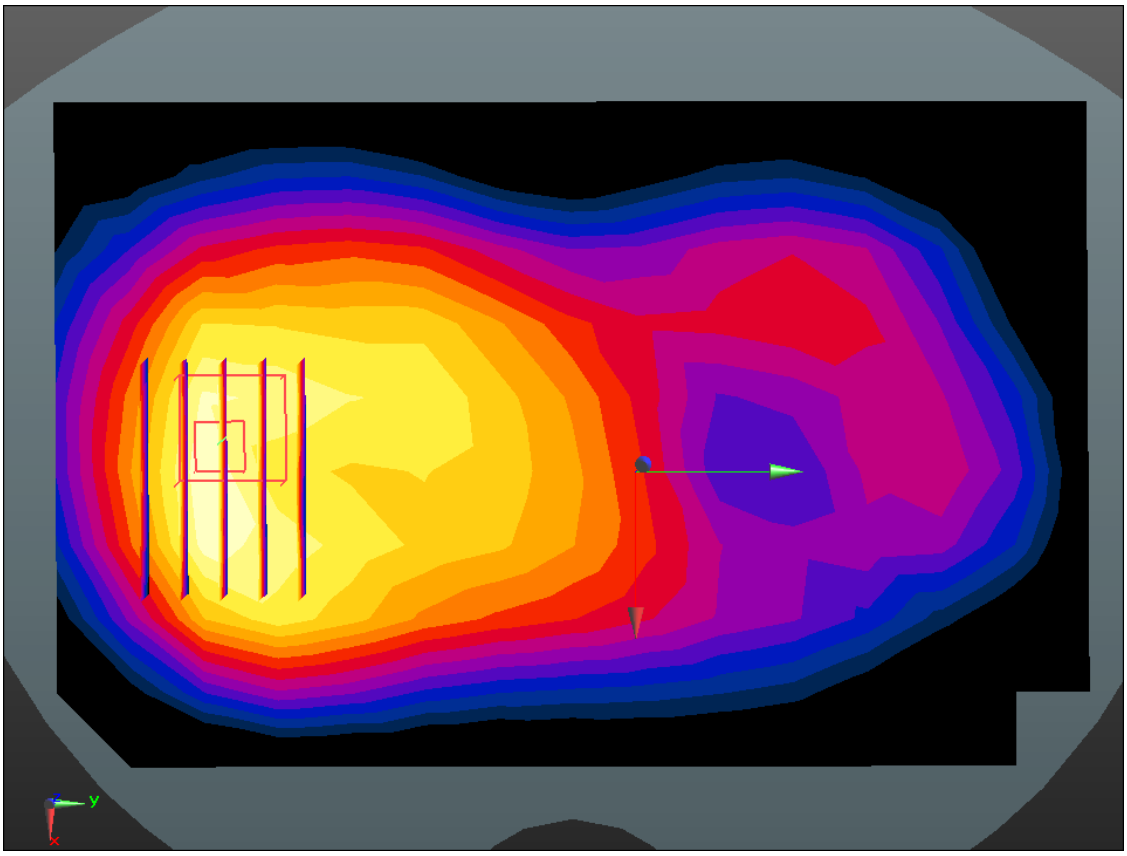
Test Date: 2018-09-04; Ambient Temp: 20.6; Tissue Temp: 21.6

1 cm space from Body, Rear, PCS1900 GPRS 3Tx Ch. 661, Ant Internal

Area Scan (10x15x1): Measurement grid: dx=15mm, dy=15mm
Zoom Scan (7x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Power Drift = -0.02 dB
Peak SAR (extrapolated) = 0.902 W/kg
SAR(1 g) = 0.555 W/kg; SAR(10 g) = 0.320 W/kg



0 dB = 0.684 W/kg



Enlarged Plot for A26

DT&C Co., Ltd.

DUT: KX1801; Type: Bar

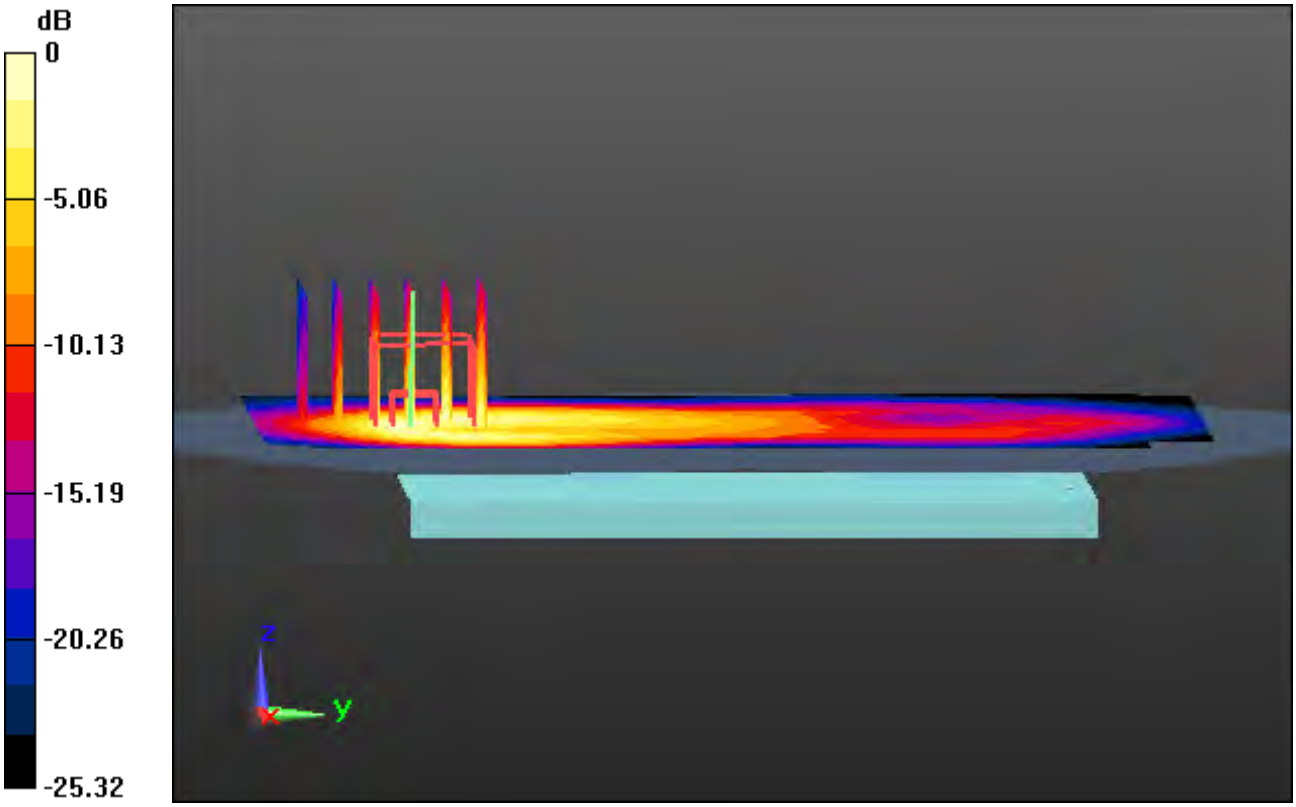
Communication System: UID 0, WCDMA Band 4 (0); Frequency: 1732.4 MHz;Duty Cycle: 1:1
Medium parameters used: f = 1732.4 MHz; σ = 1.44 S/m; ε_r = 51.985; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:
Probe: ES3DV3 - SN3328; ConvF(5.1, 5.1, 5.1); Calibrated: 3/21/2018; Electronics: DAE3 Sn520
Sensor-Surface: 3mm (Mechanical Surface Detection)
Phantom: SAM with CRP_2016_07_22_middle; Type: QD000P40CD; Serial: 1786
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

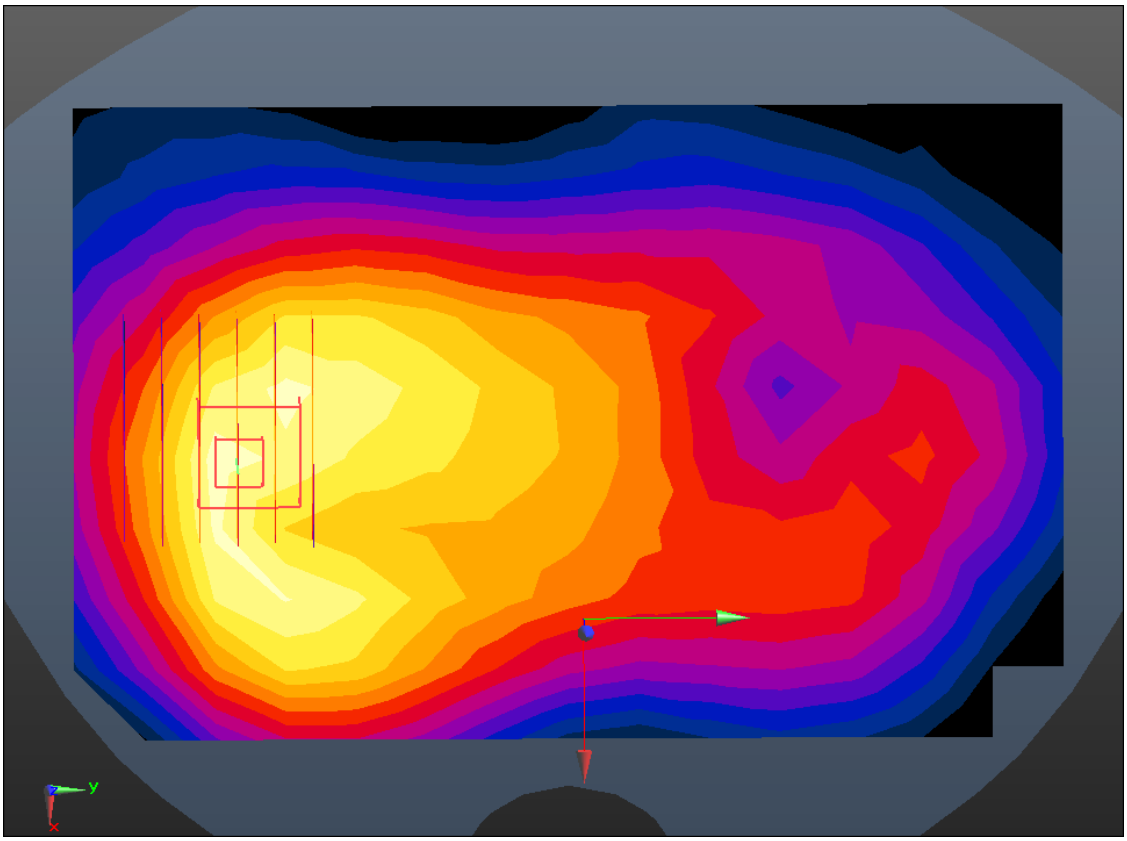
Test Date: 2018-09-06; Ambient Temp: 21.1; Tissue Temp: 21.7

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

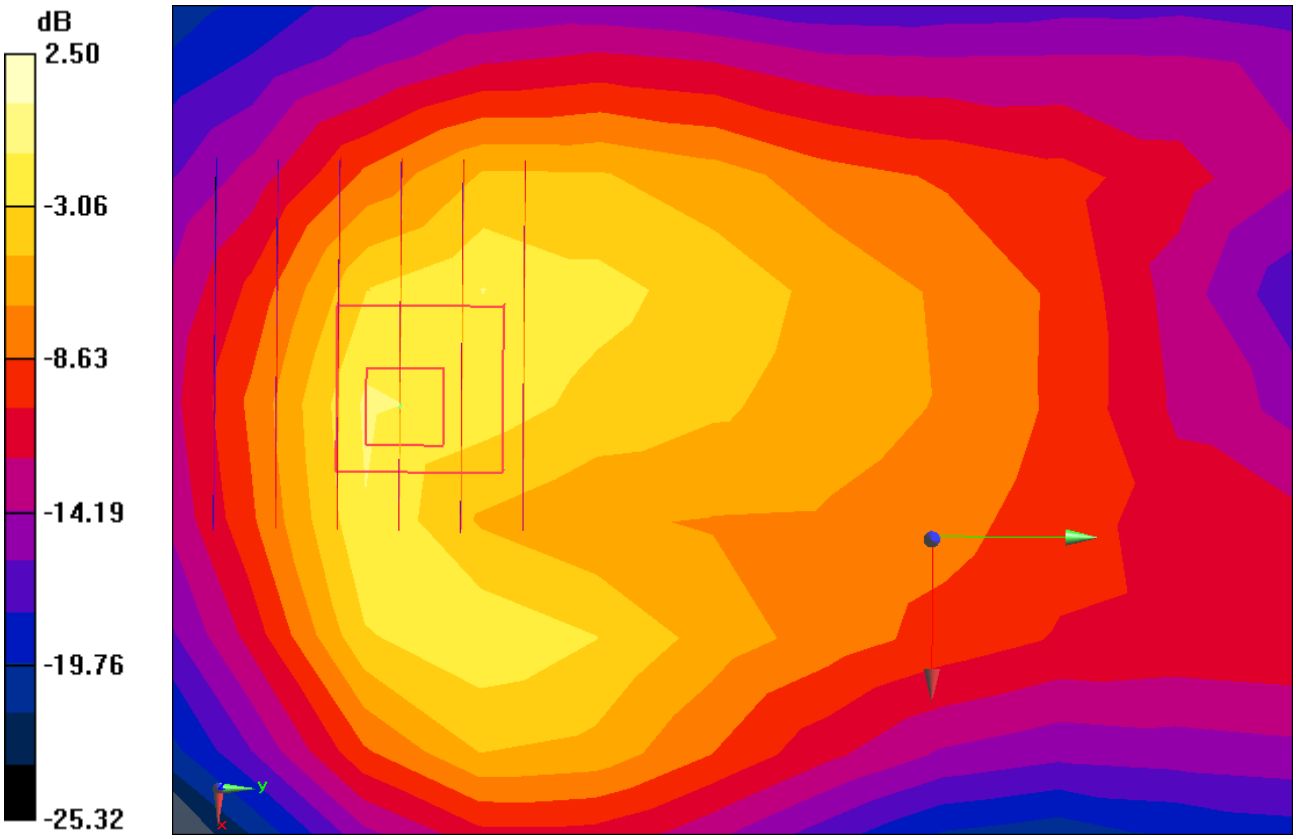
Area Scan (10x15x1): Measurement grid: dx=15mm, dy=15mm
Zoom Scan (7x6x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Power Drift = 0.05 dB
Peak SAR (extrapolated) = 0.875 W/kg
SAR(1 g) = 0.523 W/kg; SAR(10 g) = 0.294 W/kg



0 dB = 0.651 W/kg



Enlarged Plot for A27



Enlarged Plot for A27

DT&C Co., Ltd.

DUT: KX1801; Type: Bar

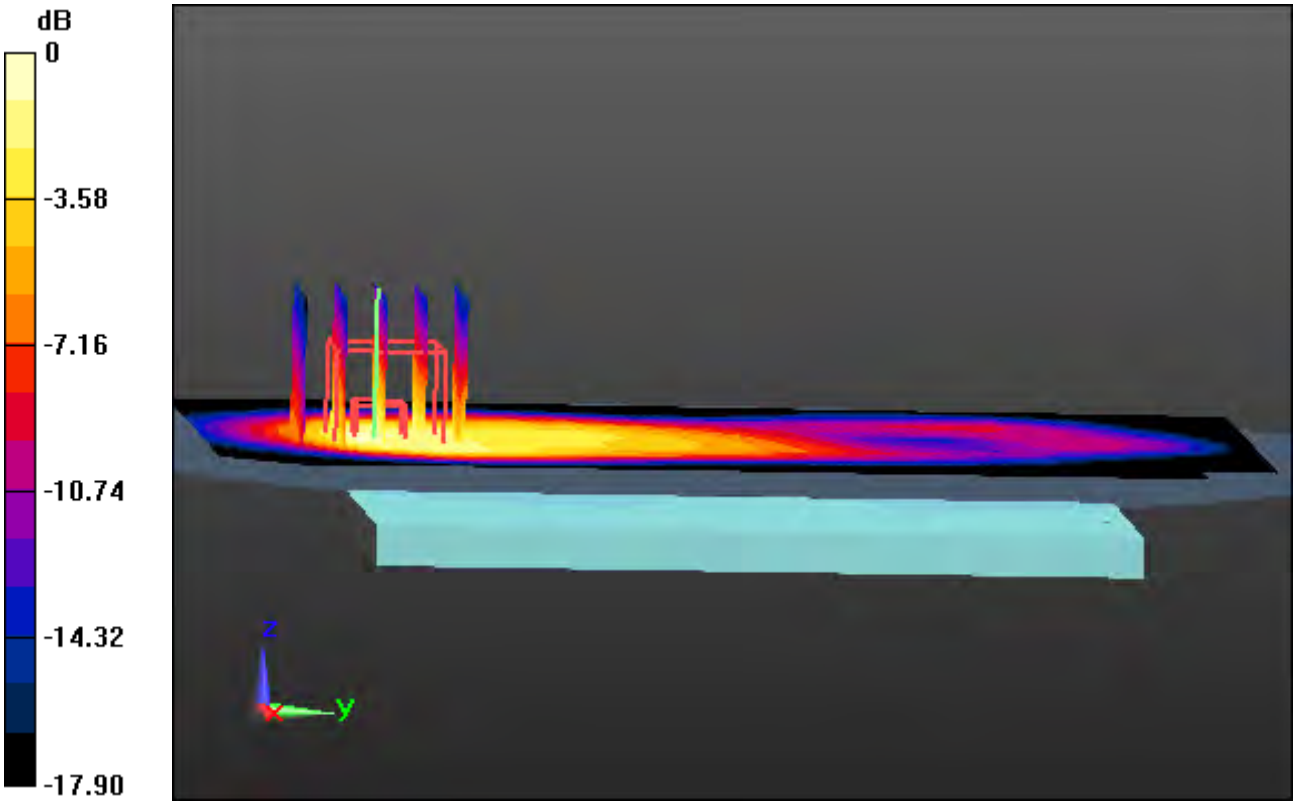
Communication System: UID 0, WCDMA 1900 (0); Frequency: 1880 MHz;Duty Cycle: 1:1
Medium parameters used: f = 1880 MHz; σ = 1.53 S/m; ε_r = 51.851; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:
Probe: ES3DV3 - SN3328; ConvF(4.88, 4.88, 4.88); Calibrated: 3/21/2018; Electronics: DAE3 Sn520
Sensor-Surface: 3mm (Mechanical Surface Detection)
Phantom: SAM with CRP_2016_07_22_middle; Type: QD000P40CD; Serial: 1786
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

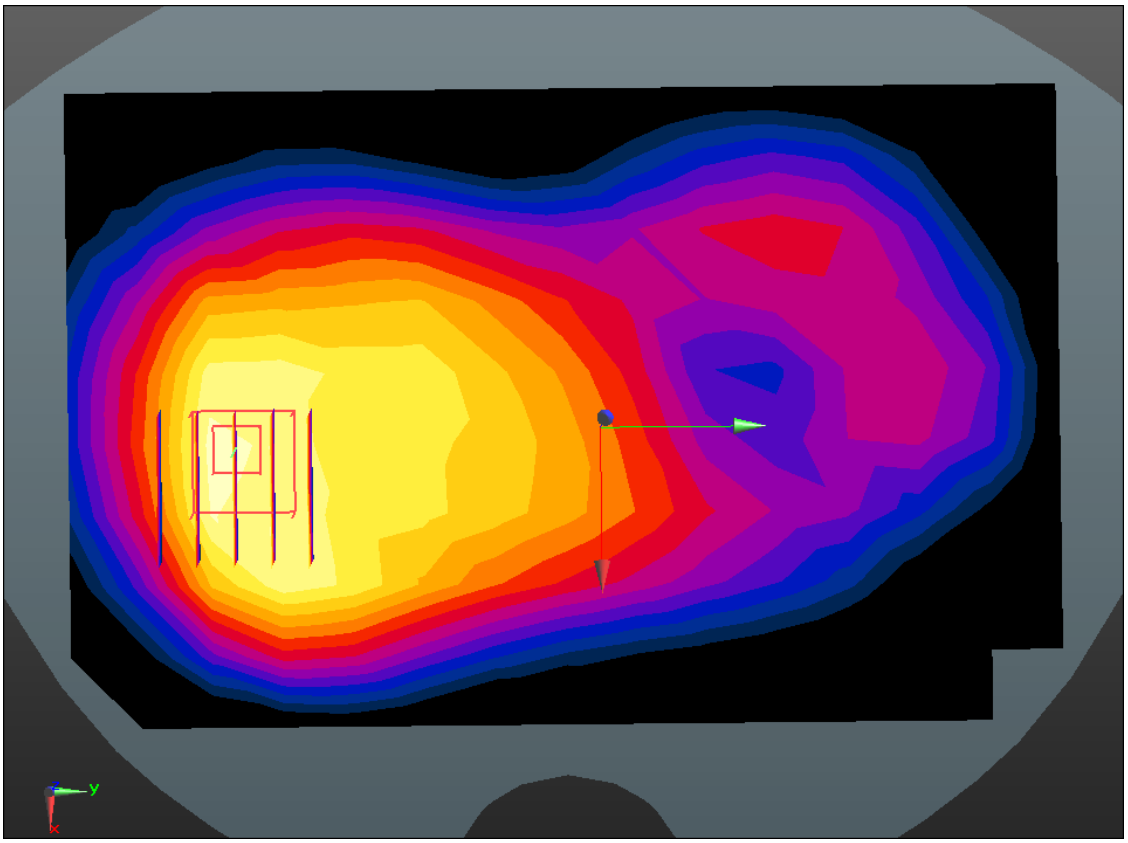
Test Date: 2018-09-05; Ambient Temp: 21.0; Tissue Temp: 21.3

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

Area Scan (10x15x1): Measurement grid: dx=15mm, dy=15mm
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Power Drift = 0.02 dB
Peak SAR (extrapolated) = 0.803 W/kg
SAR(1 g) = 0.496 W/kg; SAR(10 g) = 0.284 W/kg



0 dB = 0.611 W/kg



Enlarged Plot for A28

DT&C Co., Ltd.

DUT: KX1801; 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 = 0.934 S/m; ε_r = 54.332; ρ = 1000 kg/m^3
Phantom section: Flat Section

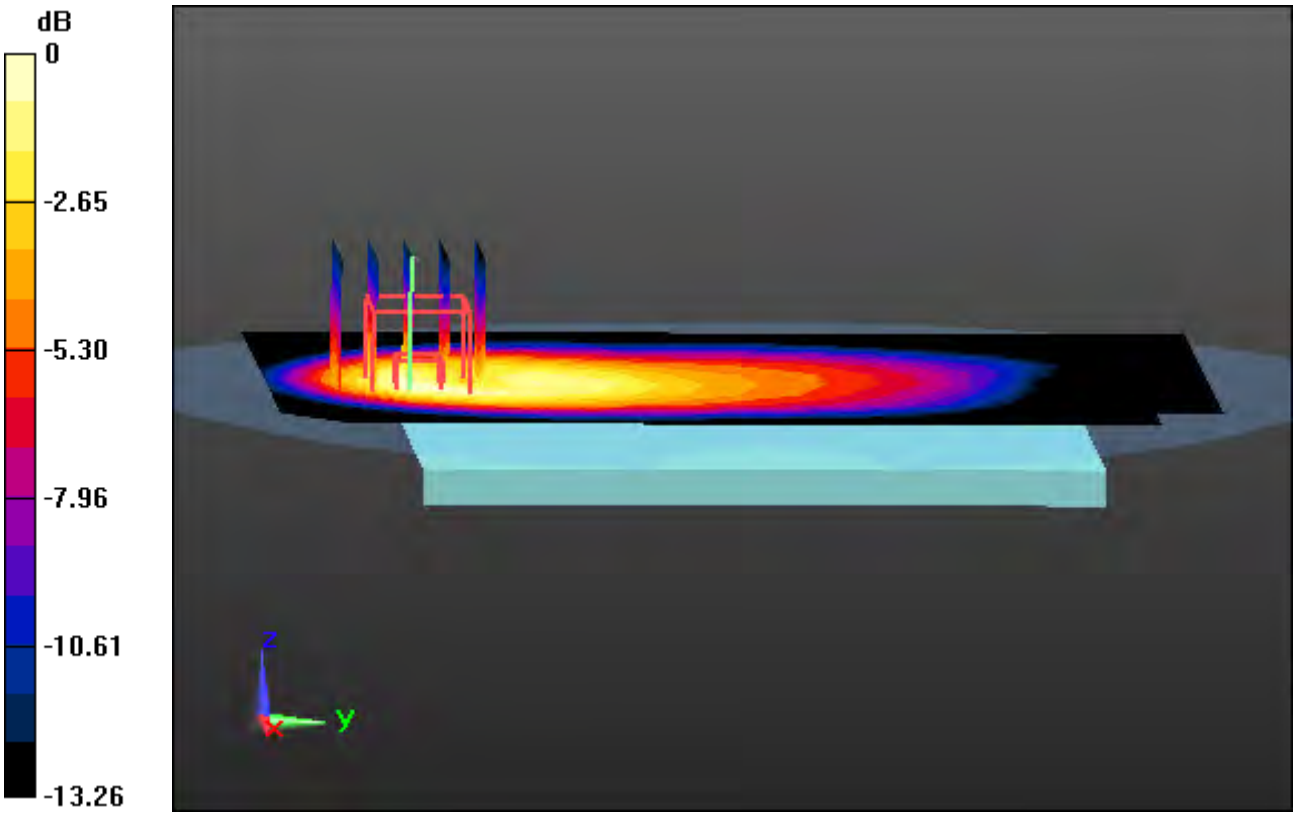
DASY5 Configuration:
Probe: ES3DV3 - SN3328; ConvF(6.29, 6.29, 6.29); Calibrated: 3/21/2018; Electronics: DAE3 Sn520
Sensor-Surface: 3mm (Mechanical Surface Detection)
Phantom: SAM with CRP_2016_07_22_middle; Type: QD000P40CD; Serial: 1786
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2018-09-11; Ambient Temp: 20.5; Tissue Temp: 20.5

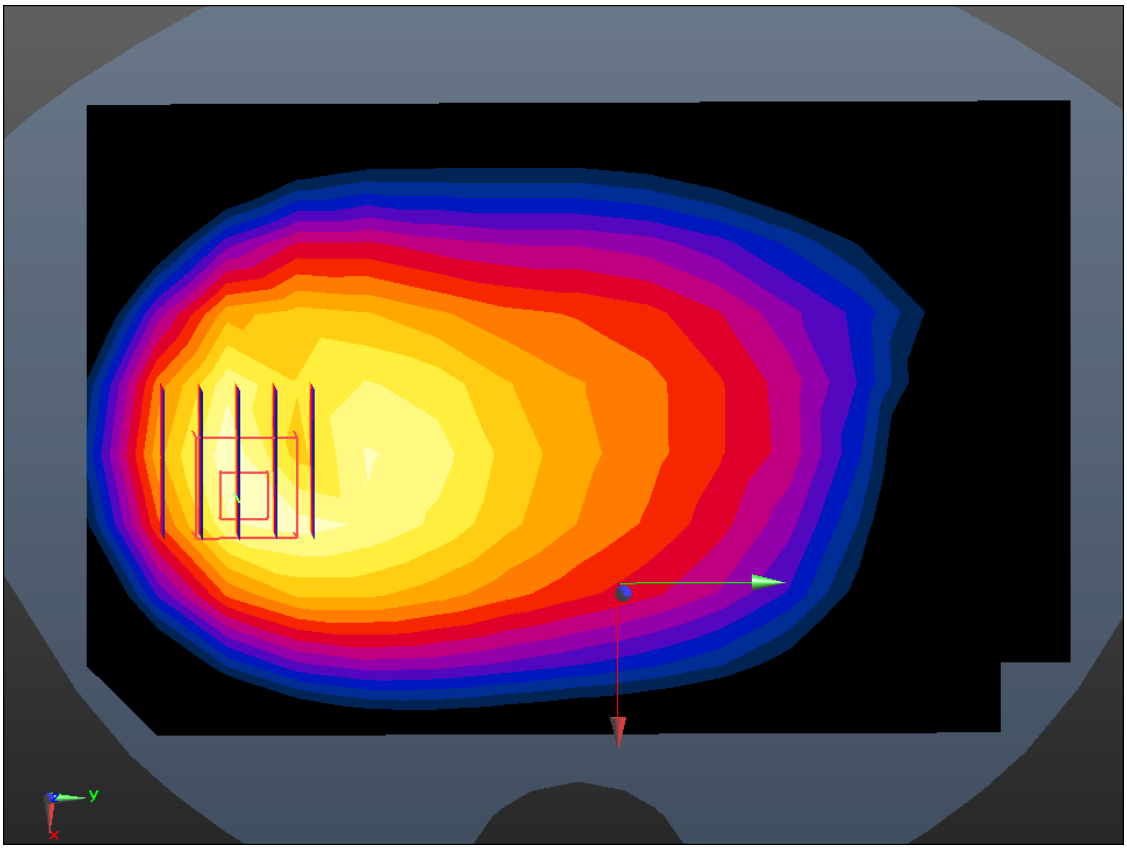
1 cm space from Body, Rear, LTE Band 12 Ch. 23095, Ant Internal

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

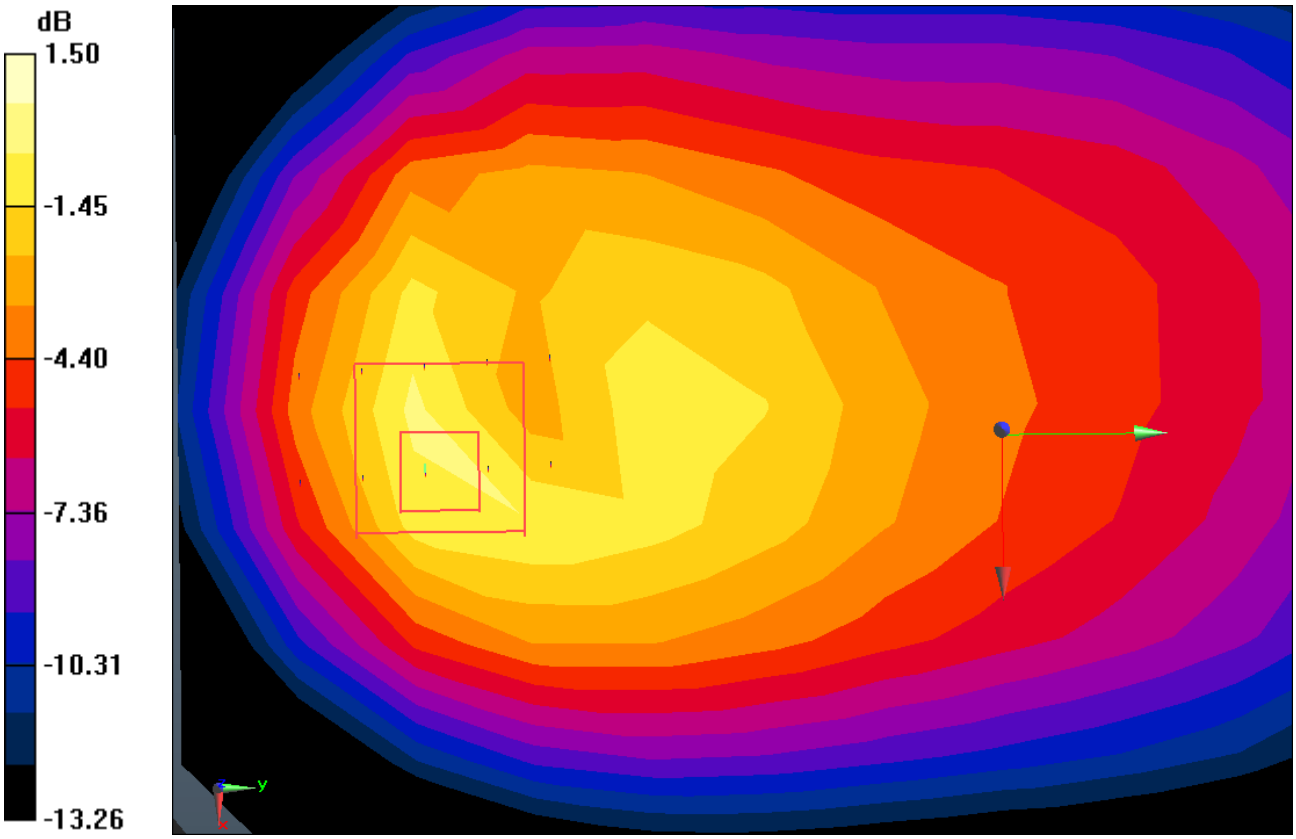
Area Scan (10x15x1): Measurement grid: dx=15mm, dy=15mm
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Power Drift = -0.05 dB
Peak SAR (extrapolated) = 0.867 W/kg
SAR(1 g) = 0.475 W/kg; SAR(10 g) = 0.271 W/kg



0 dB = 0.591 W/kg



Enlarged Plot for A29



Enlarged Plot for A29

DT&C Co., Ltd.

DUT: KX1801; Type: Bar

Communication System: UID 0, LTE Band 4 (0); Frequency: 1732.5 MHz;Duty Cycle: 1:1
Medium parameters used: f = 1732.5 MHz; σ = 1.444 S/m; ε_r = 52.184; ρ = 1000 kg/m^3
Phantom section: Flat Section

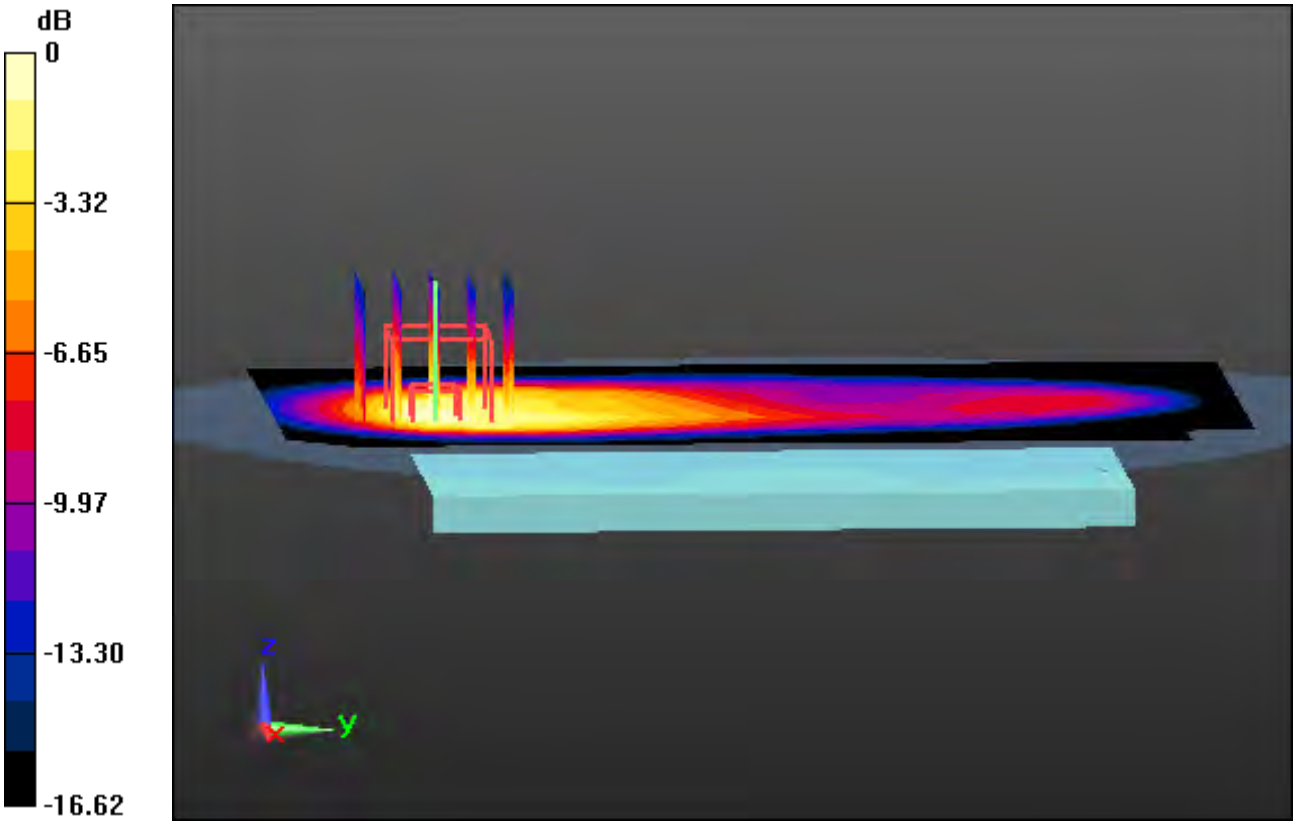
DASY5 Configuration:
Probe: ES3DV3 - SN3328; ConvF(5.1, 5.1, 5.1); Calibrated: 3/21/2018; Electronics: DAE3 Sn520
Sensor-Surface: 3mm (Mechanical Surface Detection)
Phantom: SAM with CRP_2016_07_22_middle; Type: QD000P40CD; Serial: 1786
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2018-09-10; Ambient Temp: 20.7; Tissue Temp: 20.8

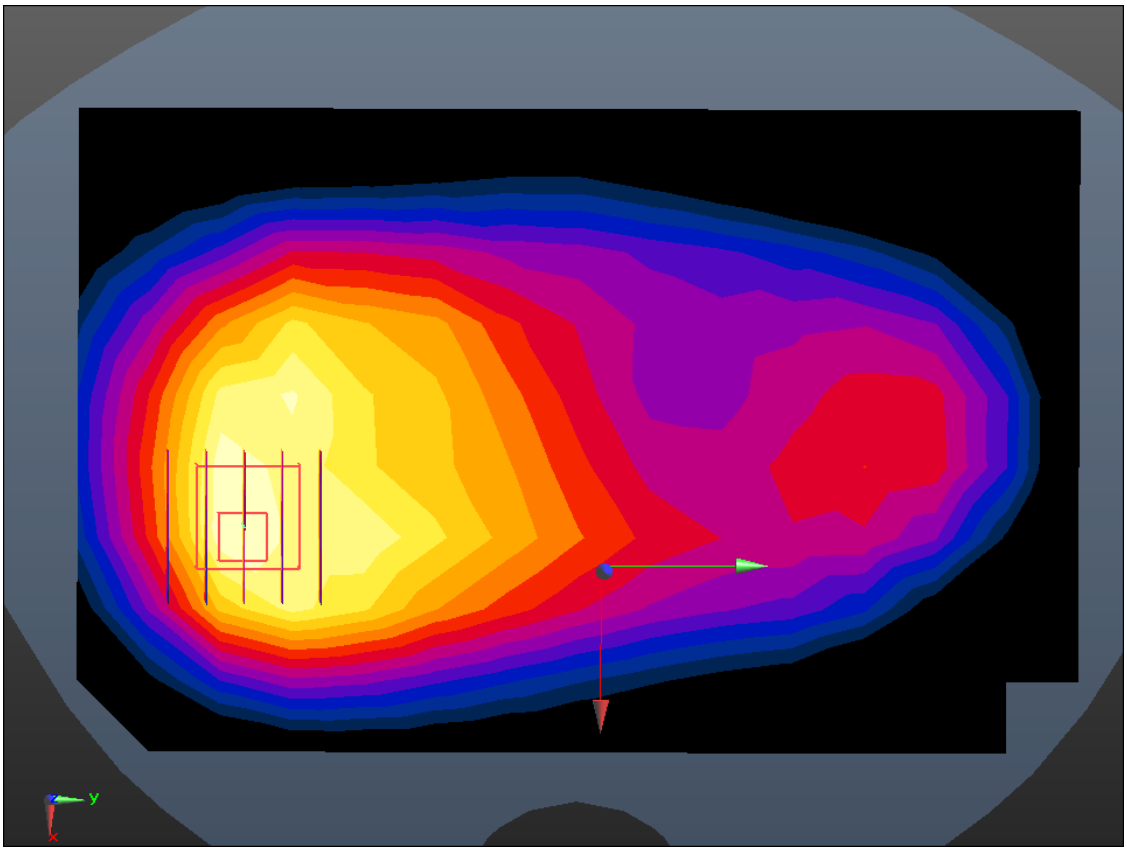
1 cm space from Body, Rear, LTE Band 4 Ch. 20175, Ant Internal

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

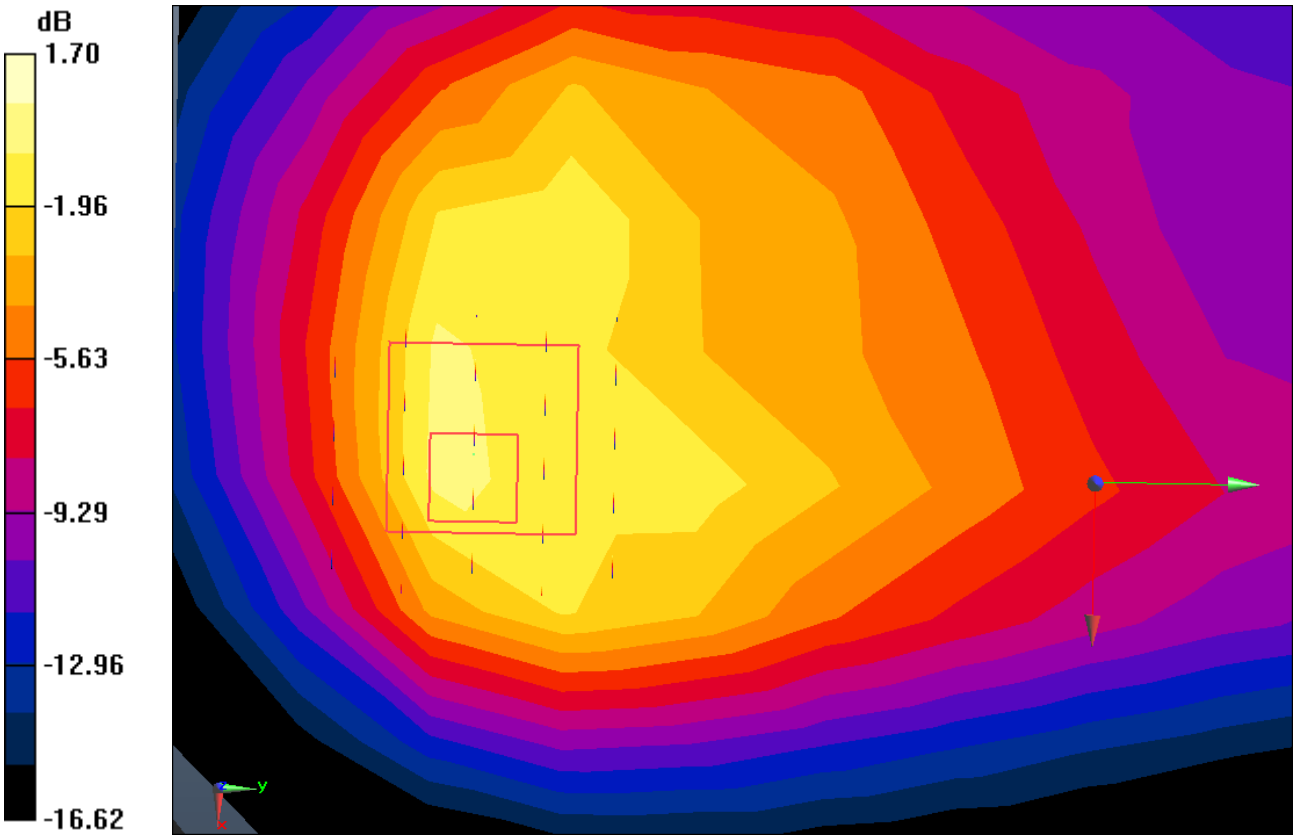
Area Scan (10x15x1): Measurement grid: dx=15mm, dy=15mm
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Power Drift = 0.07 dB
Peak SAR (extrapolated) = 0.839 W/kg
SAR(1 g) = 0.499 W/kg; SAR(10 g) = 0.291 W/kg



0 dB = 0.607 W/kg



Enlarged Plot for A30



Enlarged Plot for A30

DT&C Co., Ltd.

DUT: KX1801; Type: Bar

Communication System: UID 0, LTE Band 2 (0); Frequency: 1900 MHz;Duty Cycle: 1:1
Medium parameters used: f = 1900 MHz; σ = 1.548 S/m; ε_r = 51.796; ρ = 1000 kg/m^3
Phantom section: Flat Section

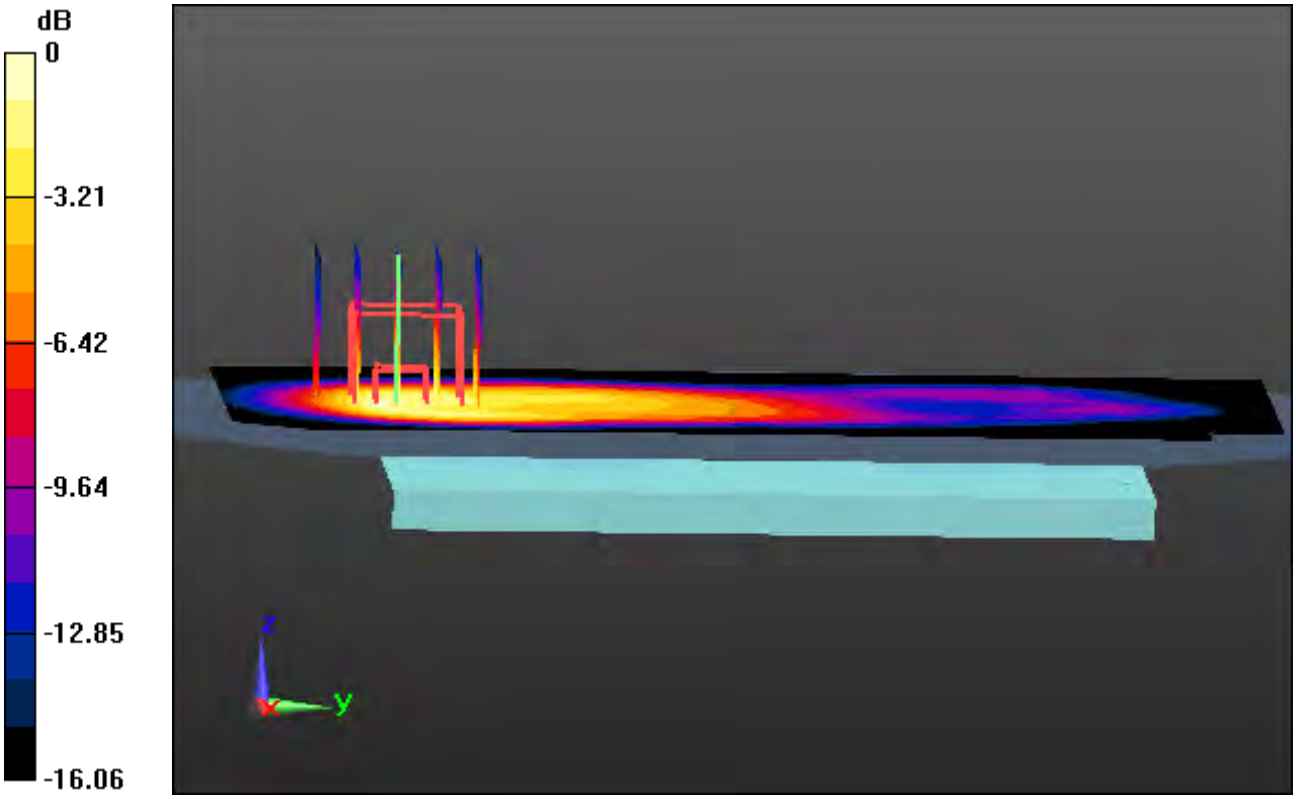
DASY5 Configuration:
Probe: ES3DV3 - SN3328; ConvF(4.88, 4.88, 4.88); Calibrated: 3/21/2018; Electronics: DAE3 Sn520
Sensor-Surface: 3mm (Mechanical Surface Detection)
Phantom: SAM with CRP_2016_07_22_middle; Type: QD000P40CD; Serial: 1786
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2018-09-07; Ambient Temp: 20.8; Tissue Temp: 21.1

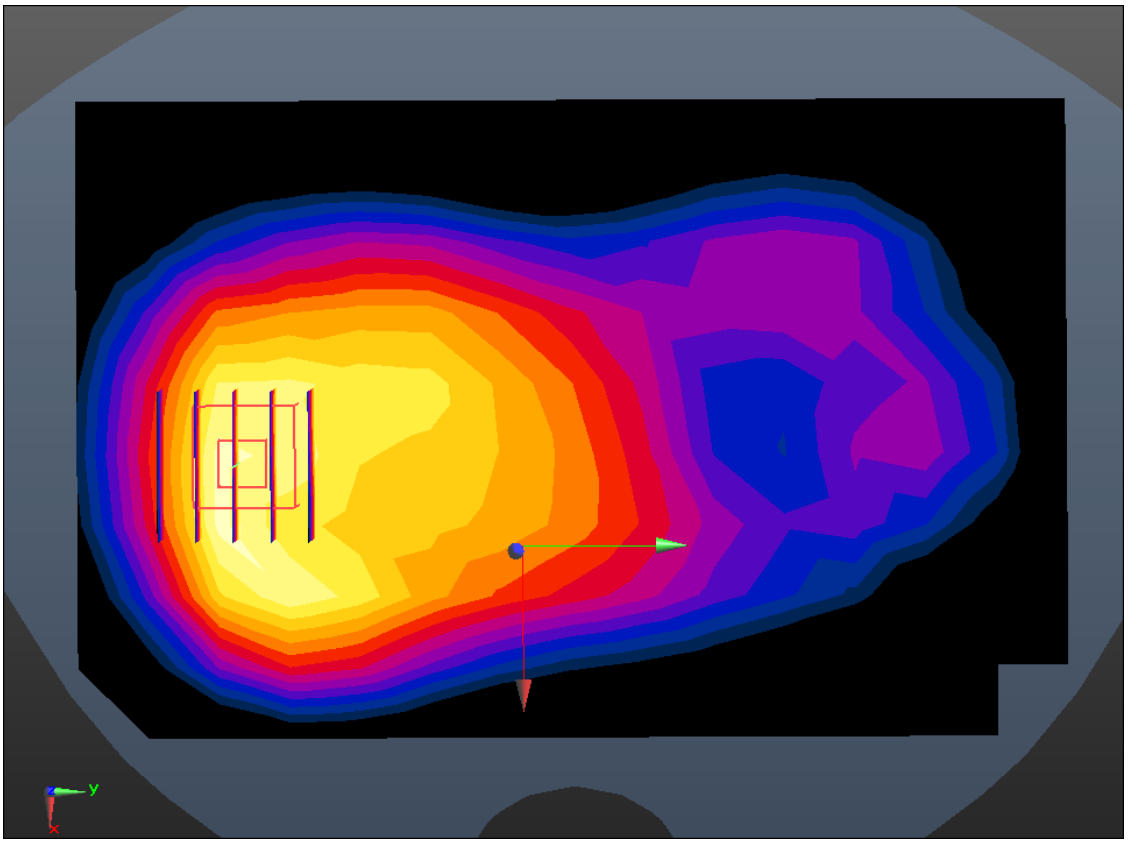
1 cm space from Body, Rear, LTE Band 2 Ch. 19100, Ant Internal

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 = 0.06 dB
Peak SAR (extrapolated) = 0.933 W/kg
SAR(1 g) = 0.577 W/kg; SAR(10 g) = 0.333 W/kg



0 dB = 0.709 W/kg



Enlarged Plot for A31

DT&C Co., Ltd.

DUT: KX1801; Type: Bar

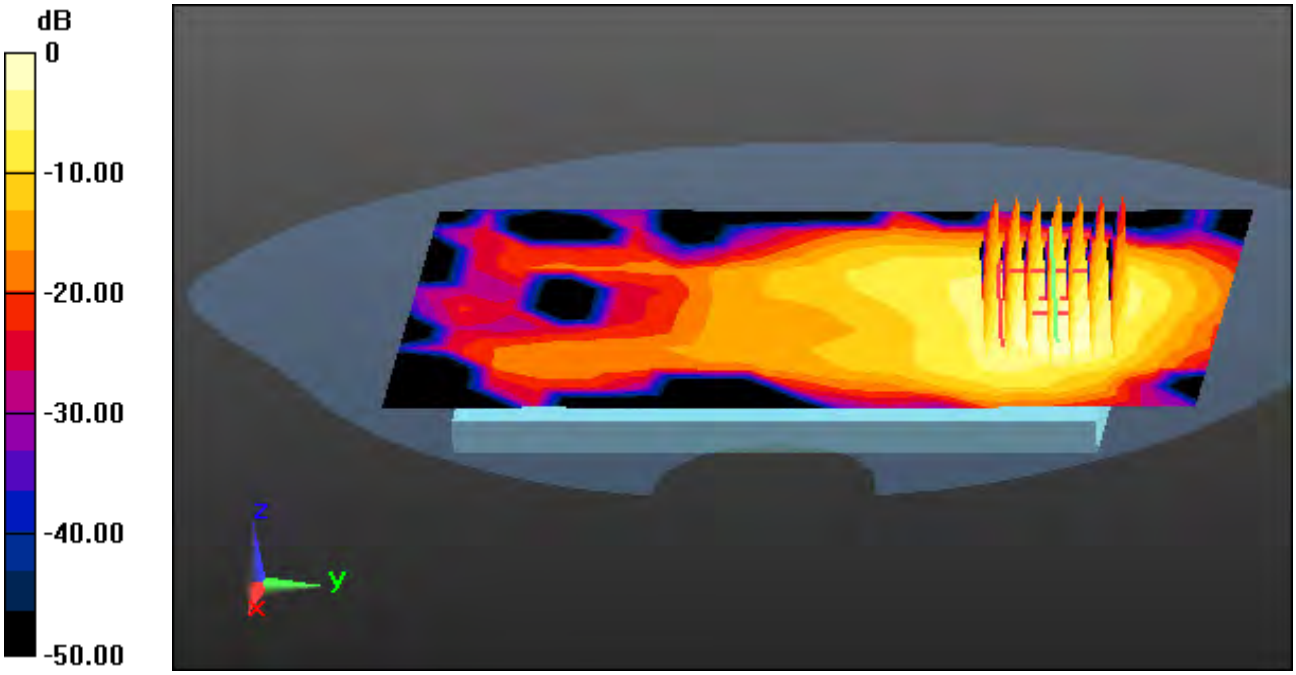
Communication System: UID 0, 2.4 GHz W-LAN (0); Frequency: 2462 MHz; Duty Cycle: 1:1
Medium parameters used: f = 2462 MHz; σ = 1.992 S/m; ε_r = 52.33; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:
Probe: EX3DV4 - SN3866; ConvF(7.4, 7.4, 7.4); Calibrated: 5/31/2018; Electronics: DAE4 Sn1394
Sensor-Surface: 2mm (Mechanical Surface Detection)
Phantom: SAM-twin middle_2013_09_24; Type: QD000P40CD; Serial: 1782
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

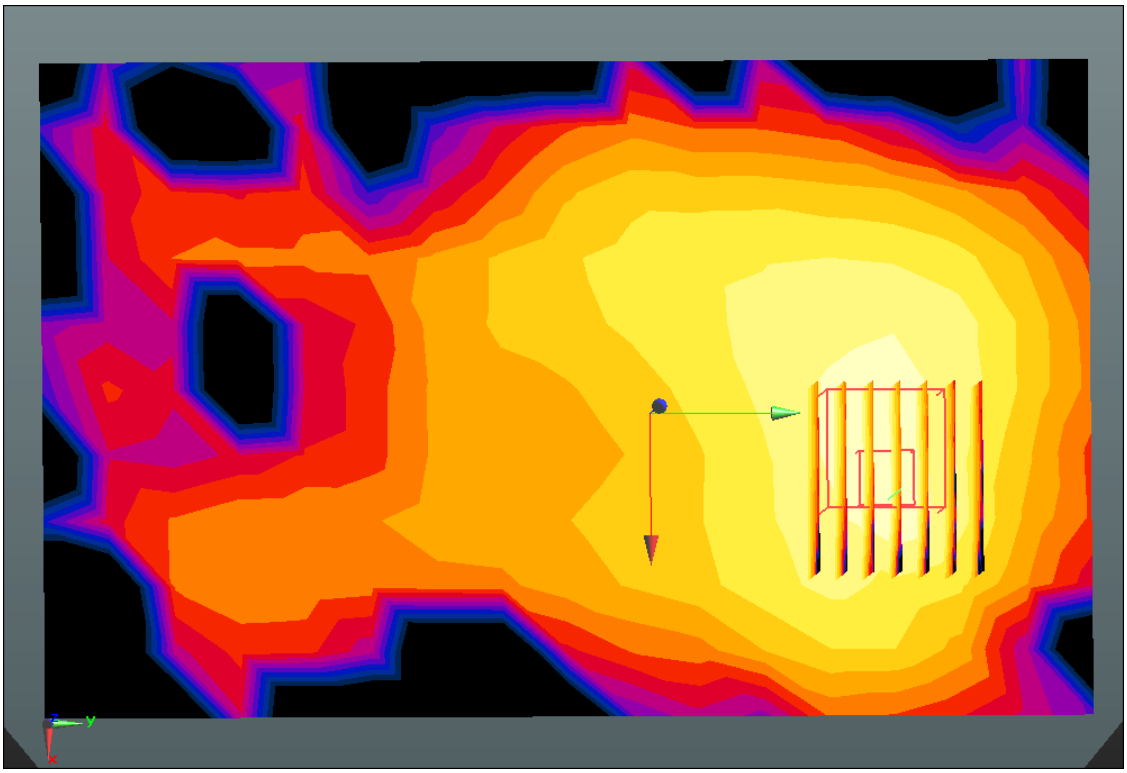
Test Date: 2018-09-07; Ambient Temp: 20.7; Tissue Temp: 21.1

1 cm space from Body, Rear, W-LAN(802.11b - 2.4G) Ch. 11, Ant Internal, Ant.1

Area Scan (11x17x1): Measurement grid: dx=12mm, dy=12mm
Zoom Scan (8x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Power Drift = 0.05 dB
Peak SAR (extrapolated) = 0.298 W/kg
SAR(1 g) = 0.149 W/kg; SAR(10 g) = 0.072 W/kg



0 dB = 0.224 W/kg



Enlarged Plot for A32

DT&C Co., Ltd.

DUT: KX1801; Type: Bar

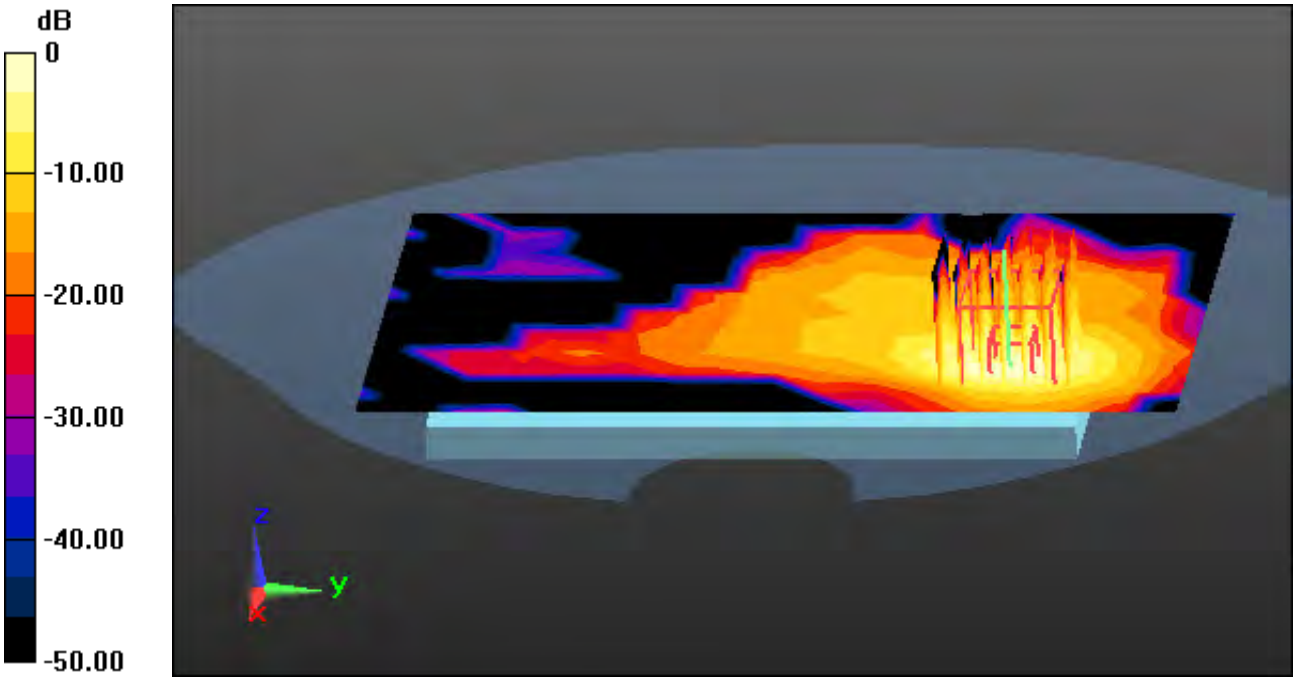
Communication System: UID 0, 2.4 GHz W-LAN (0); Frequency: 2462 MHz; Duty Cycle: 1:1
Medium parameters used: f = 2462 MHz; σ = 1.992 S/m; ε_r = 52.33; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:
Probe: EX3DV4 - SN3866; ConvF(7.4, 7.4, 7.4); Calibrated: 5/31/2018; Electronics: DAE4 Sn1394
Sensor-Surface: 2mm (Mechanical Surface Detection)
Phantom: SAM-twin middle_2013_09_24; Type: QD000P40CD; Serial: 1782
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

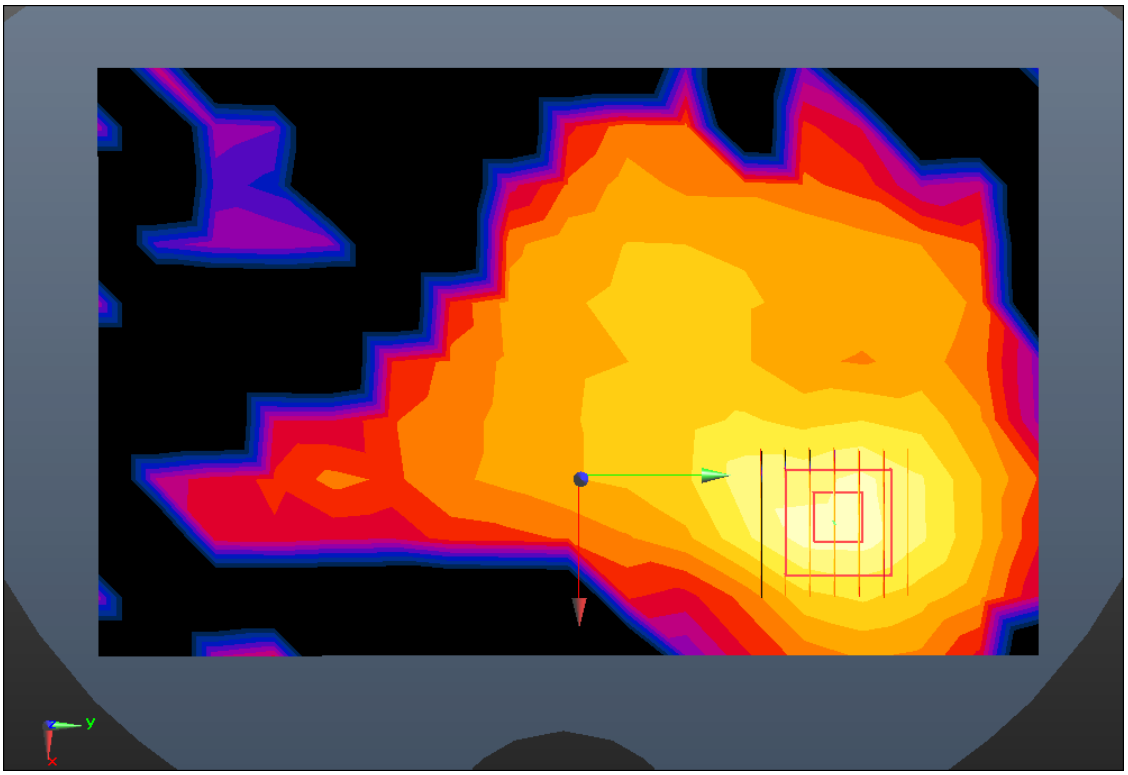
Test Date: 2018-09-07; Ambient Temp: 20.7; Tissue Temp: 21.1

1 cm space from Body, Rear, W-LAN(802.11b - 2.4G) Ch. 11, Ant Internal, Ant.2

Area Scan (11x17x1): Measurement grid: dx=12mm, dy=12mm
Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Power Drift = -0.03 dB
Peak SAR (extrapolated) = 0.247 W/kg
SAR(1 g) = 0.117 W/kg; SAR(10 g) = 0.048 W/kg



0 dB = 0.179 W/kg



Enlarged Plot for A33

DT&C Co., Ltd.

DUT: KX1801; Type: Bar

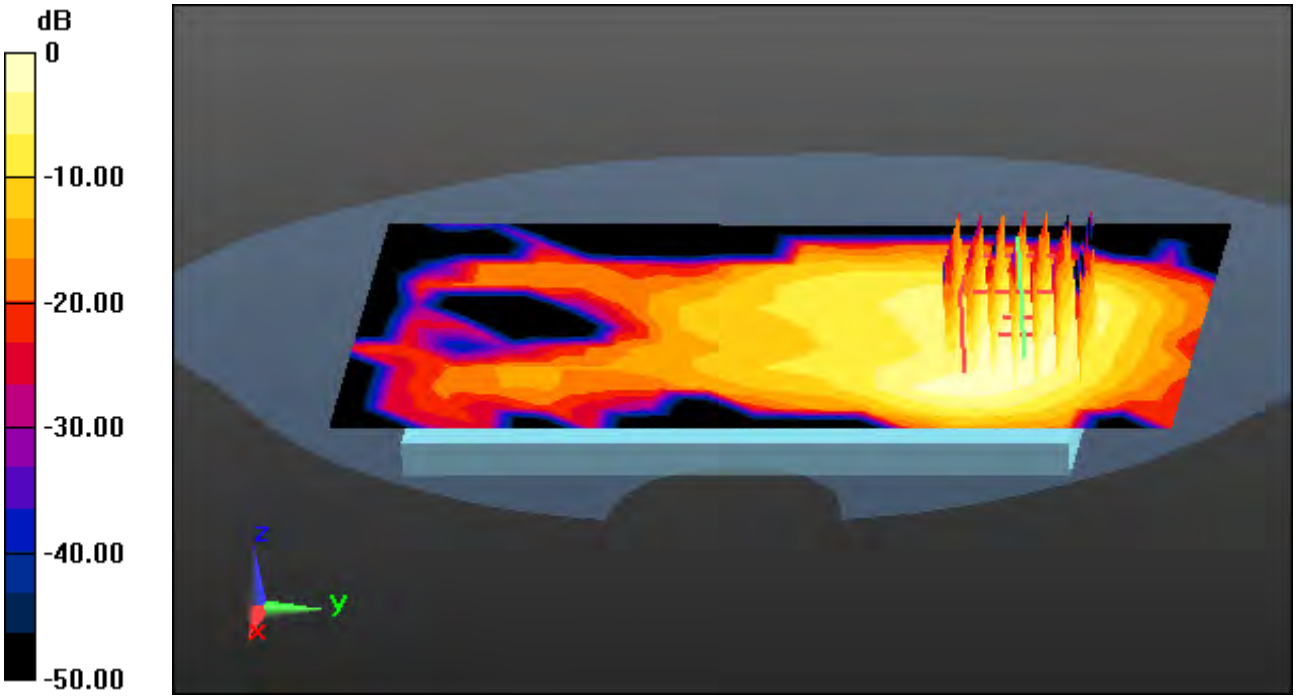
Communication System: UID 0, 2.4 GHz W-LAN (0); Frequency: 2437 MHz; Duty Cycle: 1:1
Medium parameters used: f = 2437 MHz; σ = 1.961 S/m; ε_r = 52.396; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:
Probe: EX3DV4 - SN3866; ConvF(7.4, 7.4, 7.4); Calibrated: 5/31/2018; Electronics: DAE4 Sn1394
Sensor-Surface: 2mm (Mechanical Surface Detection)
Phantom: SAM-twin middle_2013_09_24; Type: QD000P40CD; Serial: 1782
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

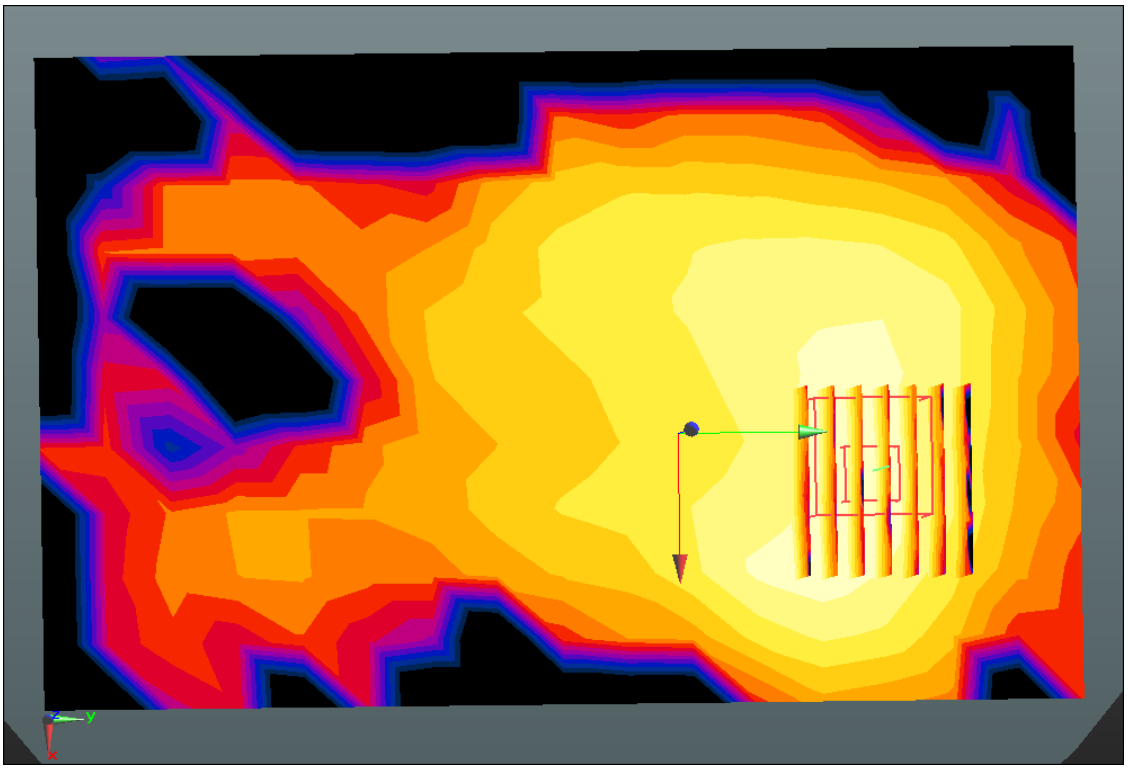
Test Date: 2018-09-07; Ambient Temp: 20.7; Tissue Temp: 21.1

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

Area Scan (11x17x1): Measurement grid: dx=12mm, dy=12mm
Zoom Scan (8x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Power Drift = 0.01 dB
Peak SAR (extrapolated) = 0.202 W/kg
SAR(1 g) = 0.102 W/kg; SAR(10 g) = 0.048 W/kg



0 dB = 0.151 W/kg



Enlarged Plot for A34

DT&C Co., Ltd.

DUT: KX1801; Type: Bar

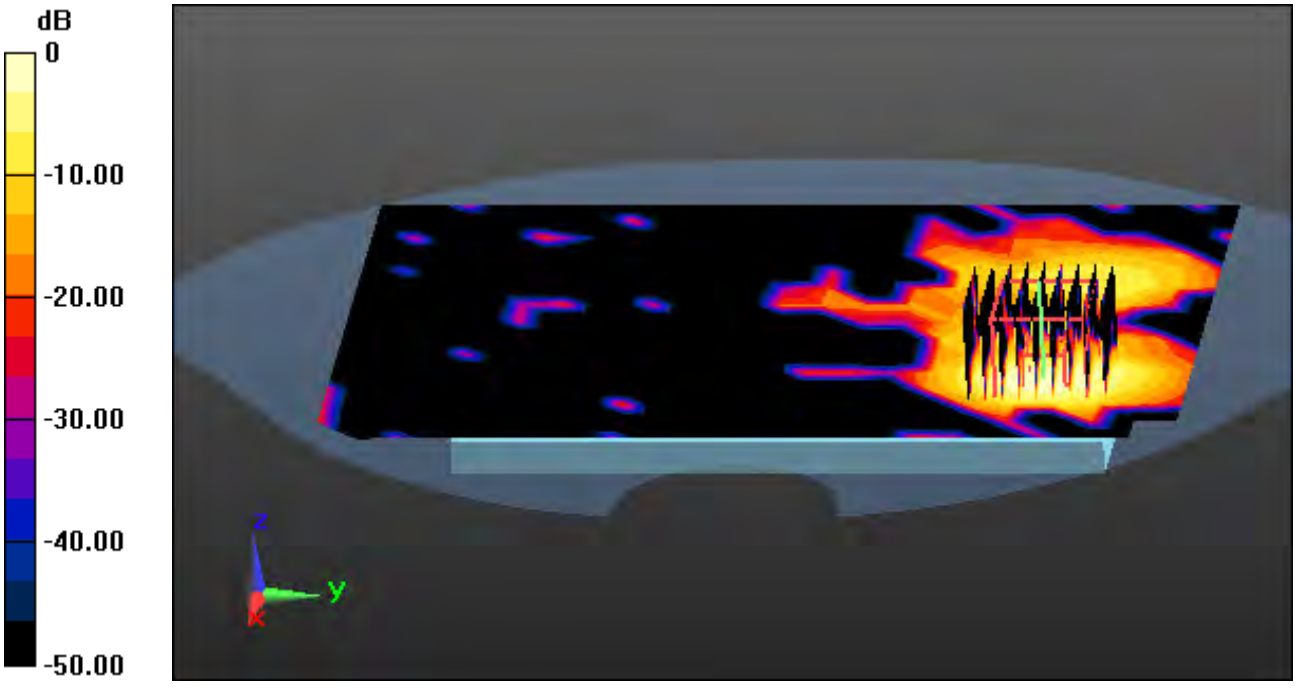
Communication System: UID 0, W-LAN_5 GHz(FCC) (0); Frequency: 5240 MHz; Duty Cycle: 1:1
Medium parameters used: f = 5240 MHz; σ = 5.353 S/m; ε_r = 48.4; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:
Probe: EX3DV4 - SN3866; ConvF(4.69, 4.69, 4.69); Calibrated: 5/31/2018; Electronics: DAE4 Sn1394
Sensor-Surface: 1.4mm (Mechanical Surface Detection)
Phantom: SAM-twin middle_2013_09_24; Type: QD000P40CD; Serial: 1782
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

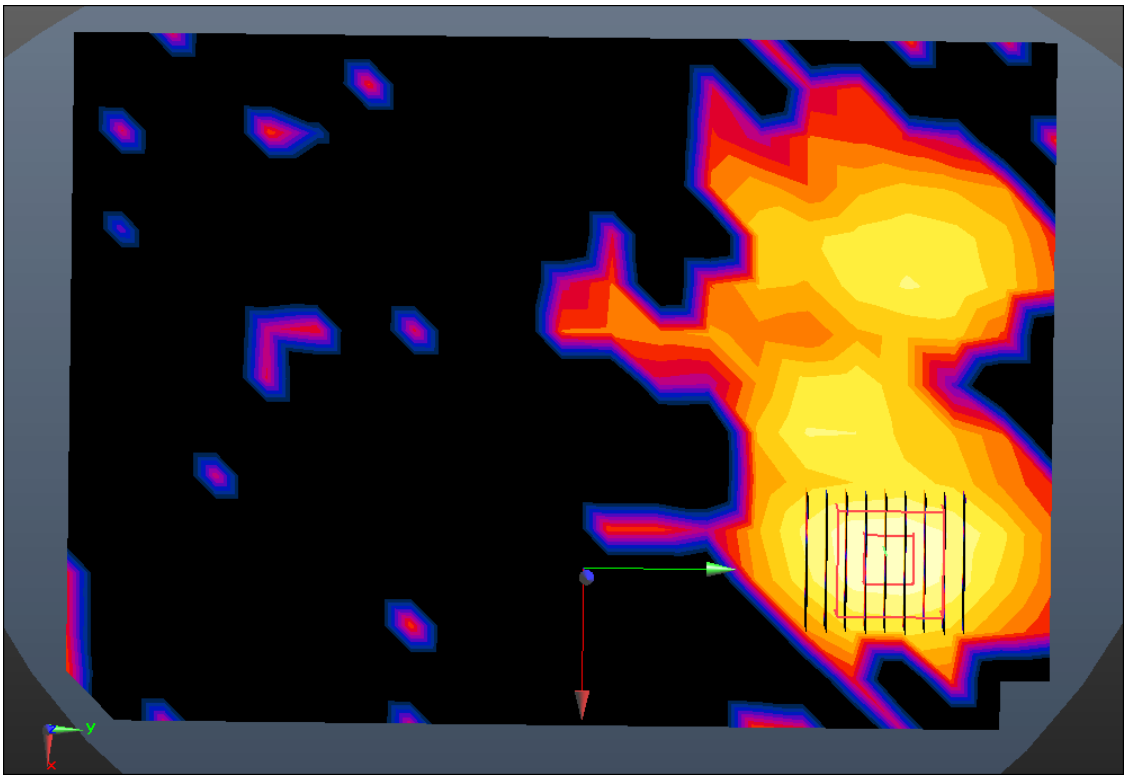
Test Date: 2018-09-17; Ambient Temp: 21.0; Tissue Temp: 20.8

1 cm space from Body, Rear, W-LAN(802.11a - 5.2G) Ch. 48, Ant Internal, Ant.1

Area Scan (15x21x1): Measurement grid: dx=10mm, dy=10mm
Zoom Scan (8x9x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm, Graded Ratio: 1.4
Power Drift = -0.19 dB
Peak SAR (extrapolated) = 0.383 W/kg
SAR(1 g) = 0.100 W/kg; SAR(10 g) = 0.031 W/kg



0 dB = 0.242 W/kg



Enlarged Plot for A35

DT&C Co., Ltd.

DUT: KX1801; Type: Bar

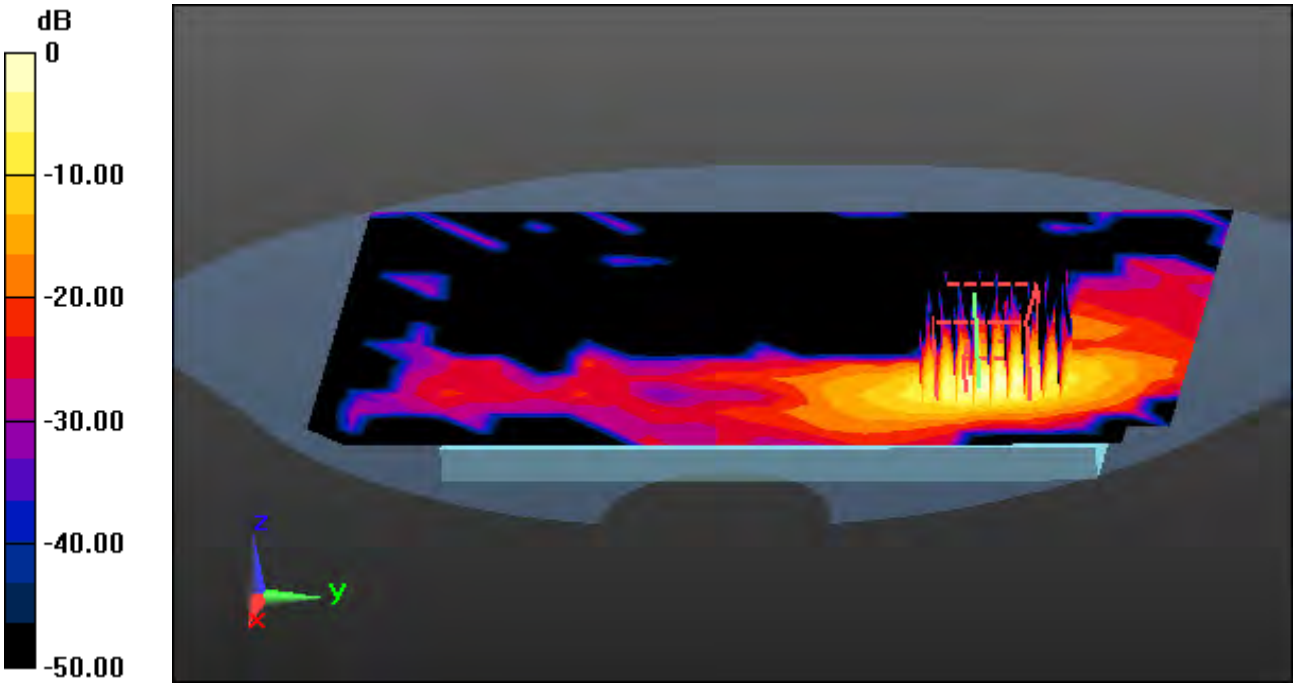
Communication System: UID 0, W-LAN_5 GHz(FCC) (0); Frequency: 5240 MHz; Duty Cycle: 1:1
Medium parameters used: f = 5240 MHz; σ = 5.353 S/m; ε_r = 48.4; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:
Probe: EX3DV4 - SN3866; ConvF(4.69, 4.69, 4.69); Calibrated: 5/31/2018; Electronics: DAE4 Sn1394
Sensor-Surface: 1.4mm (Mechanical Surface Detection)
Phantom: SAM-twin middle_2013_09_24; Type: QD000P40CD; Serial: 1782
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

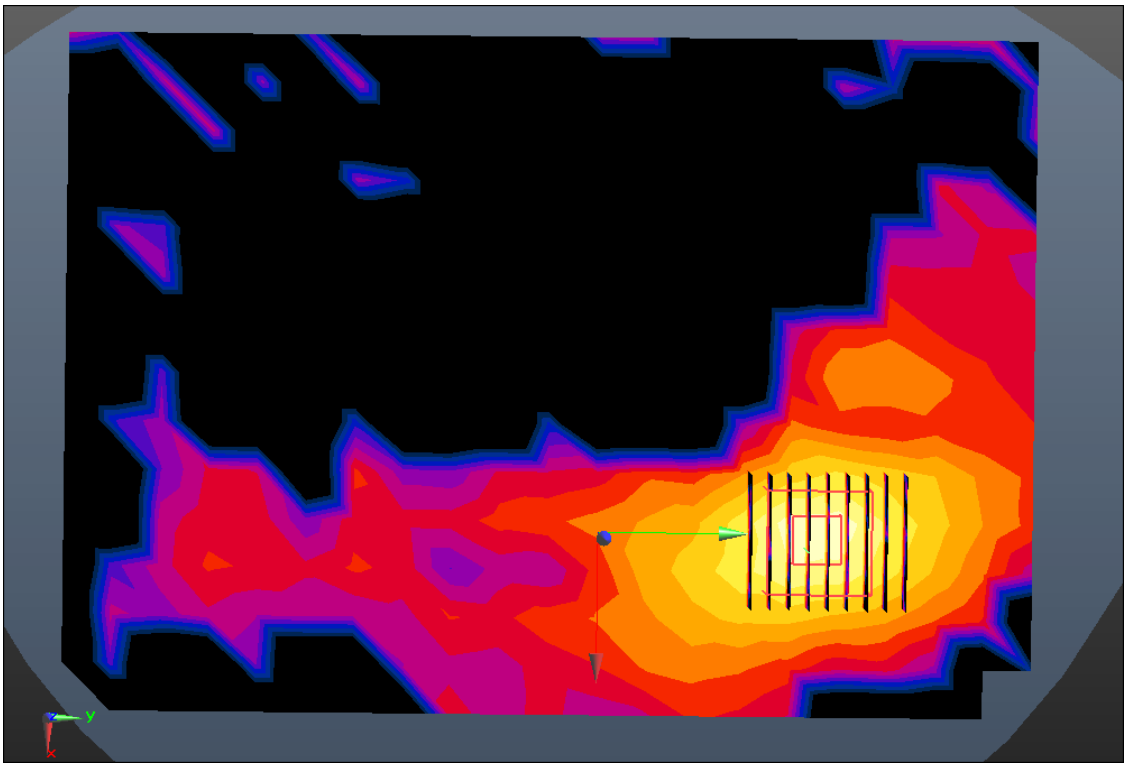
Test Date: 2018-09-17; Ambient Temp: 21.0; Tissue Temp: 20.8

1 cm space from Body, Rear, W-LAN(802.11a - 5.2G) Ch. 48, Ant Internal, Ant.2

Area Scan (15x21x1): Measurement grid: dx=10mm, dy=10mm
Zoom Scan (8x9x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm, Graded Ratio: 1.4
Power Drift = 0.00 dB
Peak SAR (extrapolated) = 4.15 W/kg
SAR(1 g) = 0.617 W/kg; SAR(10 g) = 0.162 W/kg



0 dB = 1.45 W/kg



0 dB = 1.45 W/kg

Enlarged Plot for A36

DT&C Co., Ltd.

DUT: KX1801; Type: Bar

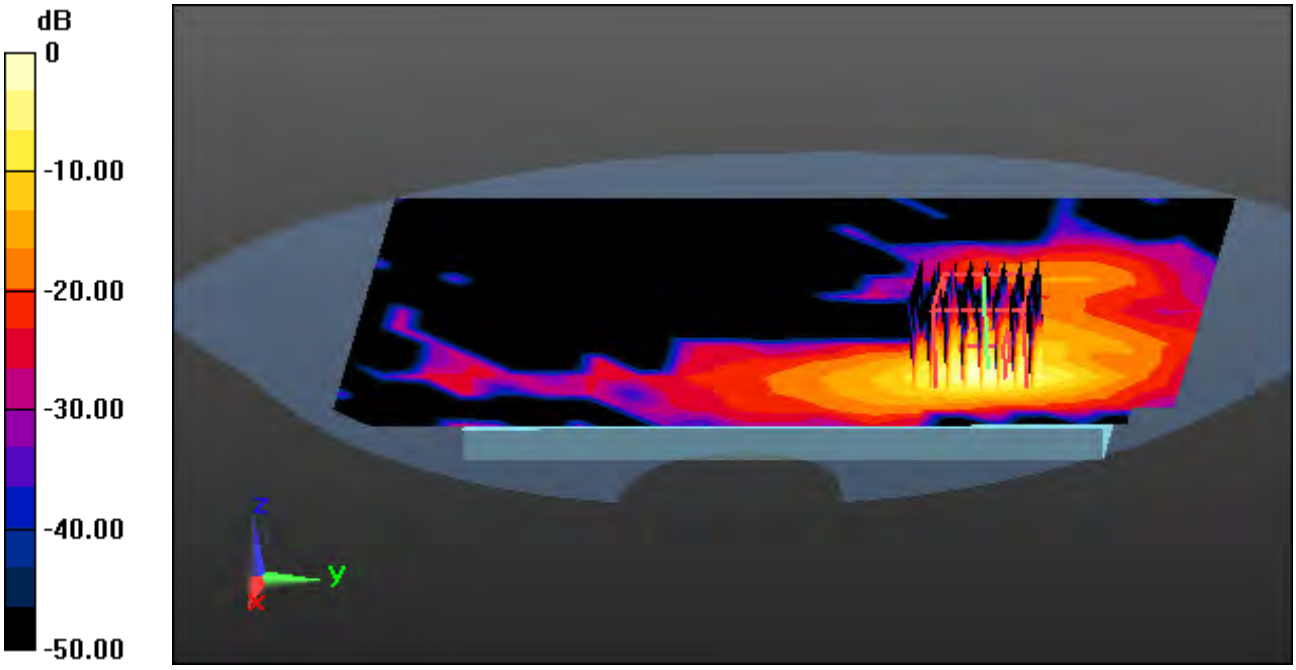
Communication System: UID 0, W-LAN_5 GHz(FCC) (0); Frequency: 5240 MHz; Duty Cycle: 1:1
Medium parameters used: f = 5240 MHz; σ = 5.353 S/m; ε_r = 48.4; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:
Probe: EX3DV4 - SN3866; ConvF(4.69, 4.69, 4.69); Calibrated: 5/31/2018; Electronics: DAE4 Sn1394
Sensor-Surface: 1.4mm (Mechanical Surface Detection)
Phantom: SAM-twin middle_2013_09_24; Type: QD000P40CD; Serial: 1782
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

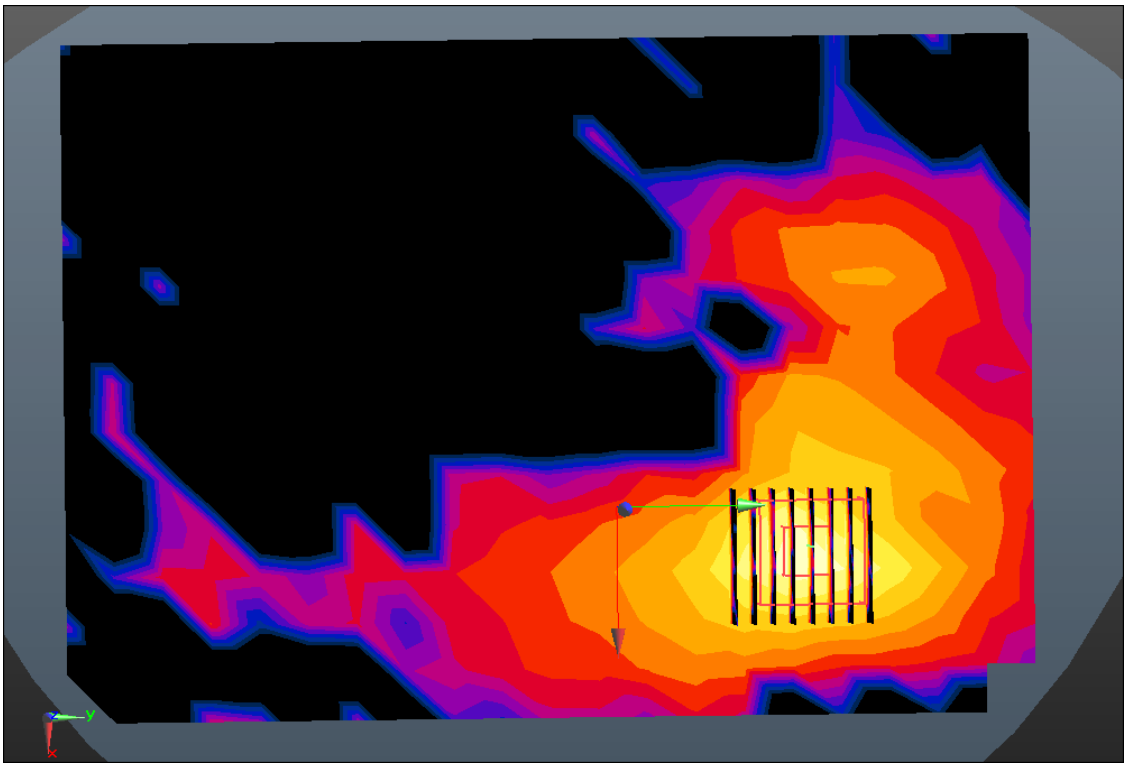
Test Date: 2018-09-17; Ambient Temp: 21.0; Tissue Temp: 20.8

1 cm space from Body, Rear, W-LAN(802.11a - 5.2G) Ch. 48, Ant Internal, MIMO

Area Scan (15x21x1): 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) = 2.67 W/kg
SAR(1 g) = 0.669 W/kg; SAR(10 g) = 0.186 W/kg



0 dB = 1.66 W/kg



Enlarged Plot for A37

DT&C Co., Ltd.

DUT: KX1801; Type: Bar

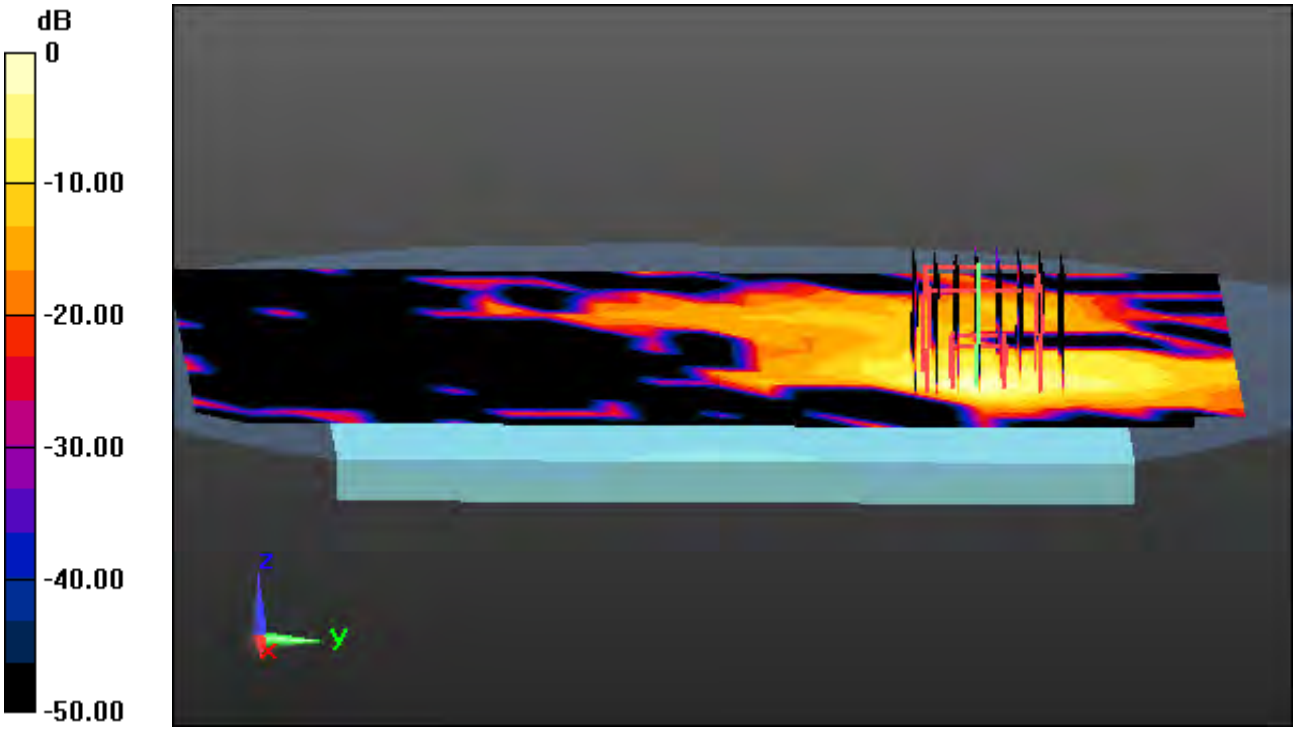
Communication System: UID 0, W-LAN_5 GHz(FCC) (0); Frequency: 5600 MHz; Duty Cycle: 1:1
Medium parameters used: f = 5600 MHz; σ = 5.986 S/m; ε_r = 47.106; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:
Probe: EX3DV4 - SN3866; ConvF(3.87, 3.87, 3.87); Calibrated: 5/31/2018; Electronics: DAE4 Sn1394
Sensor-Surface: 1.4mm (Mechanical Surface Detection)
Phantom: SAM-twin middle_2013_09_24; Type: QD000P40CD; Serial: 1782
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

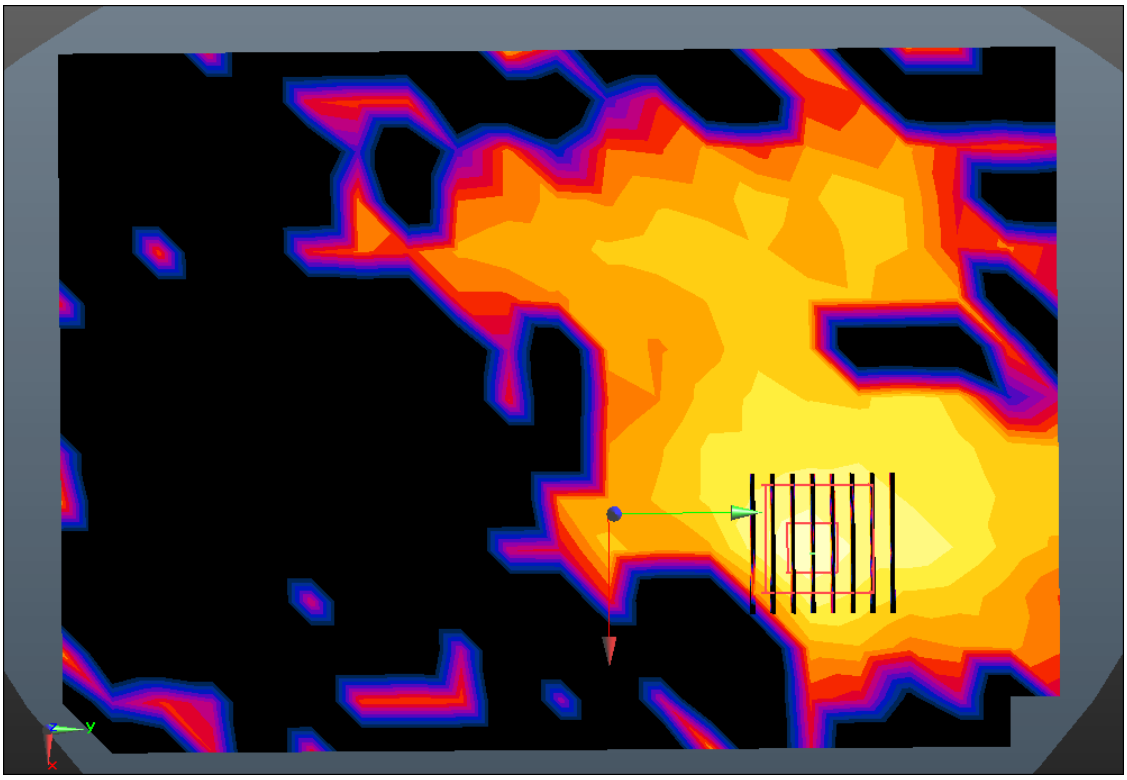
Test Date: 2018-09-13; Ambient Temp: 21.0; Tissue Temp: 21.3

1 cm space from Body, Rear, W-LAN(802.11a - 5.6G) Ch. 120, Ant Internal, Ant.1

Area Scan (15x21x1): 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) = 0.343 W/kg
SAR(1 g) = 0.069 W/kg; SAR(10 g) = 0.019 W/kg



0 dB = 0.214 W/kg



Enlarged Plot for A38

DT&C Co., Ltd.

DUT: KX1801; Type: Bar

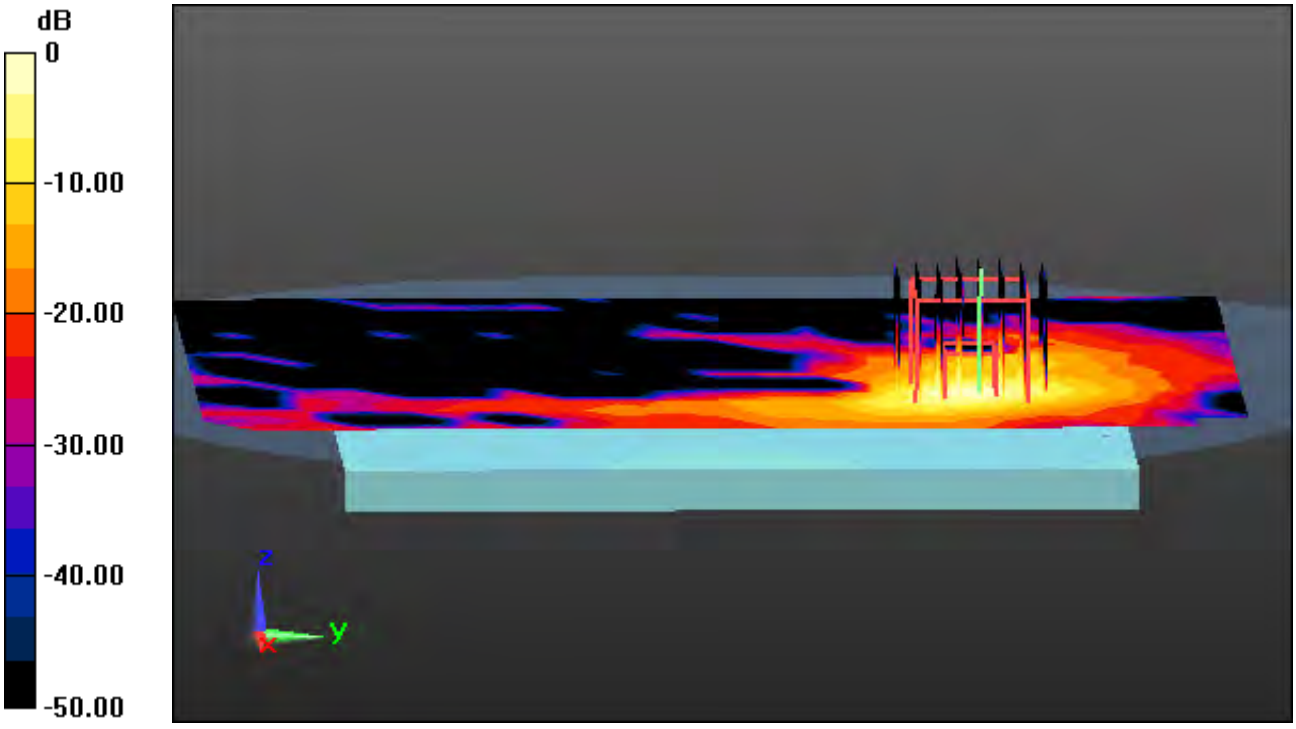
Communication System: UID 0, W-LAN_5 GHz(FCC) (0); Frequency: 5600 MHz; Duty Cycle: 1:1
Medium parameters used: f = 5600 MHz; σ = 5.986 S/m; ε_r = 47.106; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:
Probe: EX3DV4 - SN3866; ConvF(3.87, 3.87, 3.87); Calibrated: 5/31/2018; Electronics: DAE4 Sn1394
Sensor-Surface: 1.4mm (Mechanical Surface Detection)
Phantom: SAM-twin middle_2013_09_24; Type: QD000P40CD; Serial: 1782
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

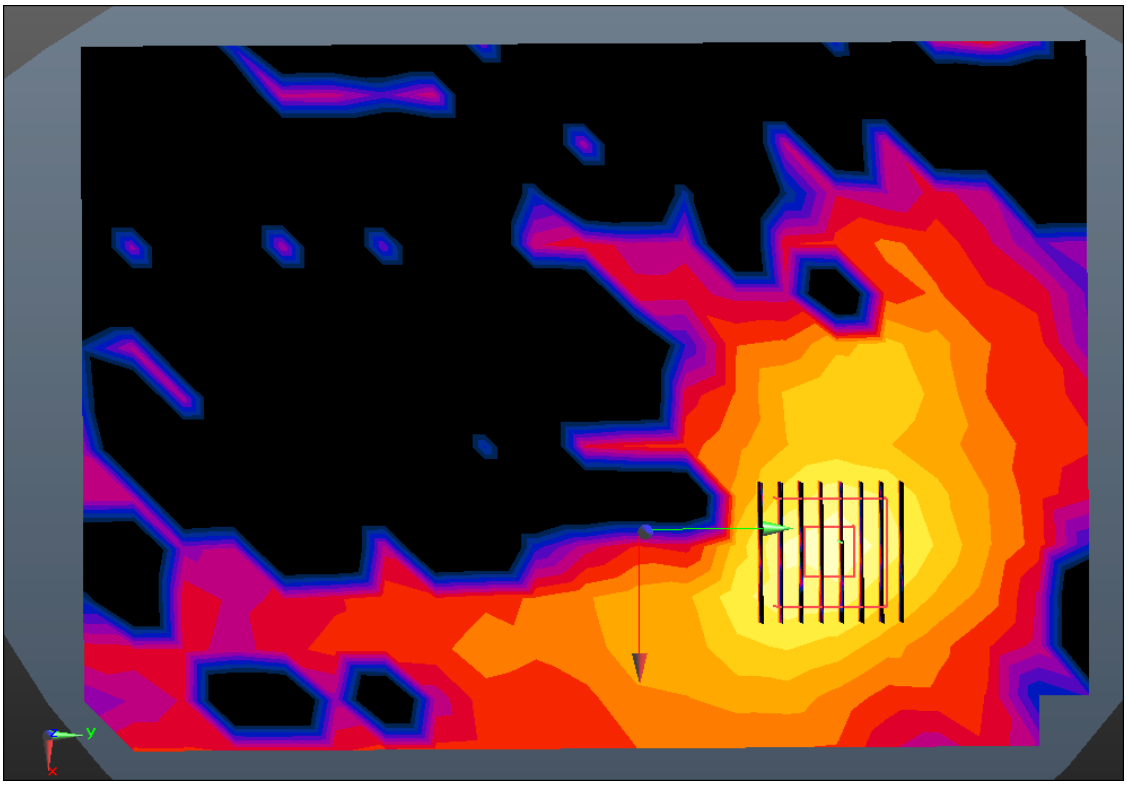
Test Date: 2018-09-13; Ambient Temp: 21.0; Tissue Temp: 21.3

1 cm space from Body, Rear, W-LAN(802.11a - 5.6G) Ch. 120, Ant Internal, Ant.2

Area Scan (15x21x1): 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) = 2.37 W/kg
SAR(1 g) = 0.547 W/kg; SAR(10 g) = 0.156 W/kg



0 dB = 1.38 W/kg



Enlarged Plot for A39

DT&C Co., Ltd.

DUT: KX1801; Type: Bar

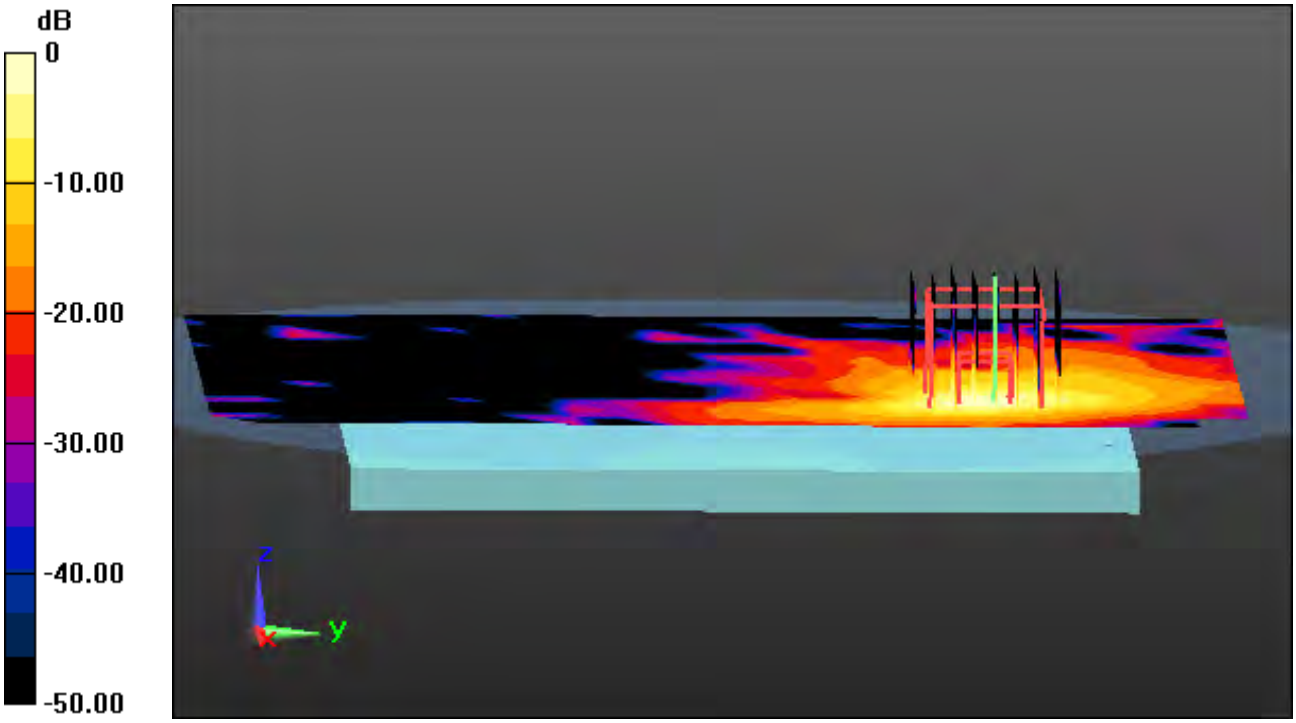
Communication System: UID 0, W-LAN_5 GHz(FCC) (0); Frequency: 5600 MHz; Duty Cycle: 1:1
Medium parameters used: f = 5600 MHz; σ = 5.986 S/m; ε_r = 47.106; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:
Probe: EX3DV4 - SN3866; ConvF(3.87, 3.87, 3.87); Calibrated: 5/31/2018; Electronics: DAE4 Sn1394
Sensor-Surface: 1.4mm (Mechanical Surface Detection)
Phantom: SAM-twin middle_2013_09_24; Type: QD000P40CD; Serial: 1782
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

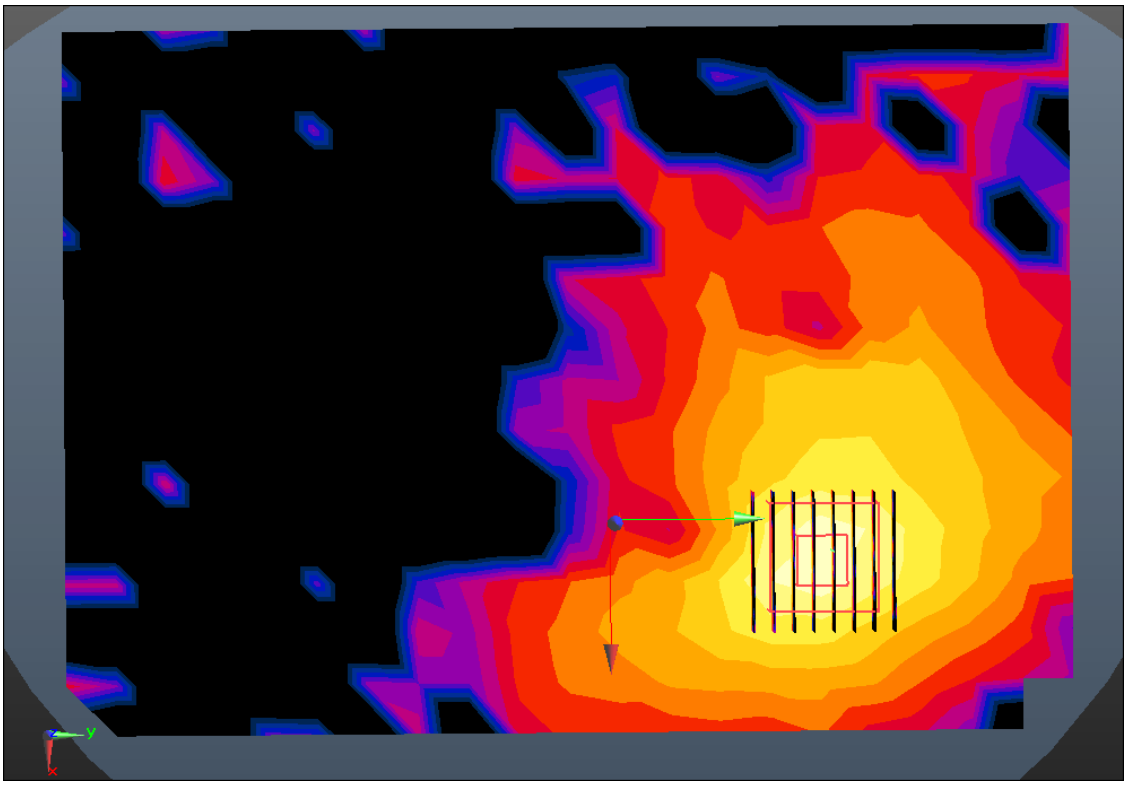
Test Date: 2018-09-13; Ambient Temp: 21.0; Tissue Temp: 21.3

1 cm space from Body, Rear, W-LAN(802.11a - 5.6G) Ch. 120, Ant Internal, MIMO

Area Scan (15x21x1): 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) = 2.44 W/kg
SAR(1 g) = 0.583 W/kg; SAR(10 g) = 0.171 W/kg



0 dB = 1.41 W/kg



Enlarged Plot for A40

DT&C Co., Ltd.

DUT: KX1801; Type: Bar

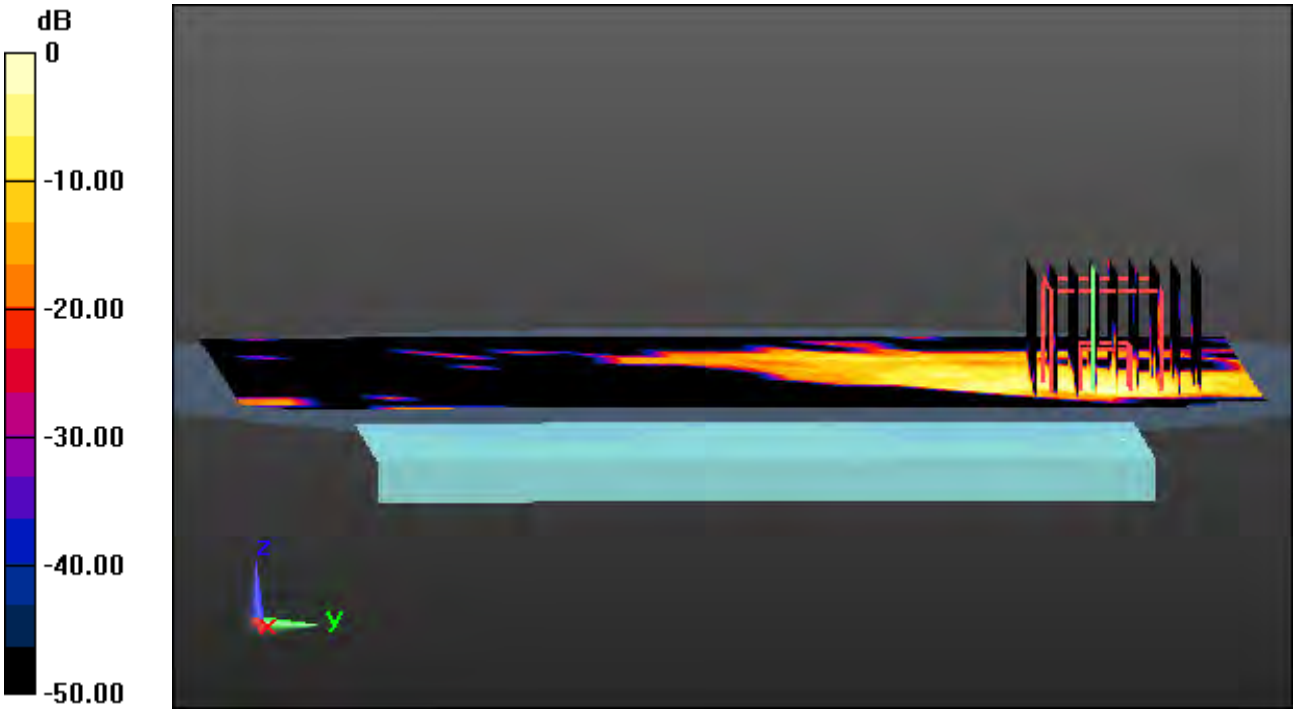
Communication System: UID 0, W-LAN_5 GHz(FCC) (0); Frequency: 5785 MHz; Duty Cycle: 1:1
Medium parameters used: f = 5785 MHz; σ = 6.078 S/m; ε_r = 48.006; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:
Probe: EX3DV4 - SN3866; ConvF(4.16, 4.16, 4.16); Calibrated: 5/31/2018; Electronics: DAE4 Sn1394
Sensor-Surface: 1.4mm (Mechanical Surface Detection)
Phantom: SAM-twin middle_2013_09_24; Type: QD000P40CD; Serial: 1782
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

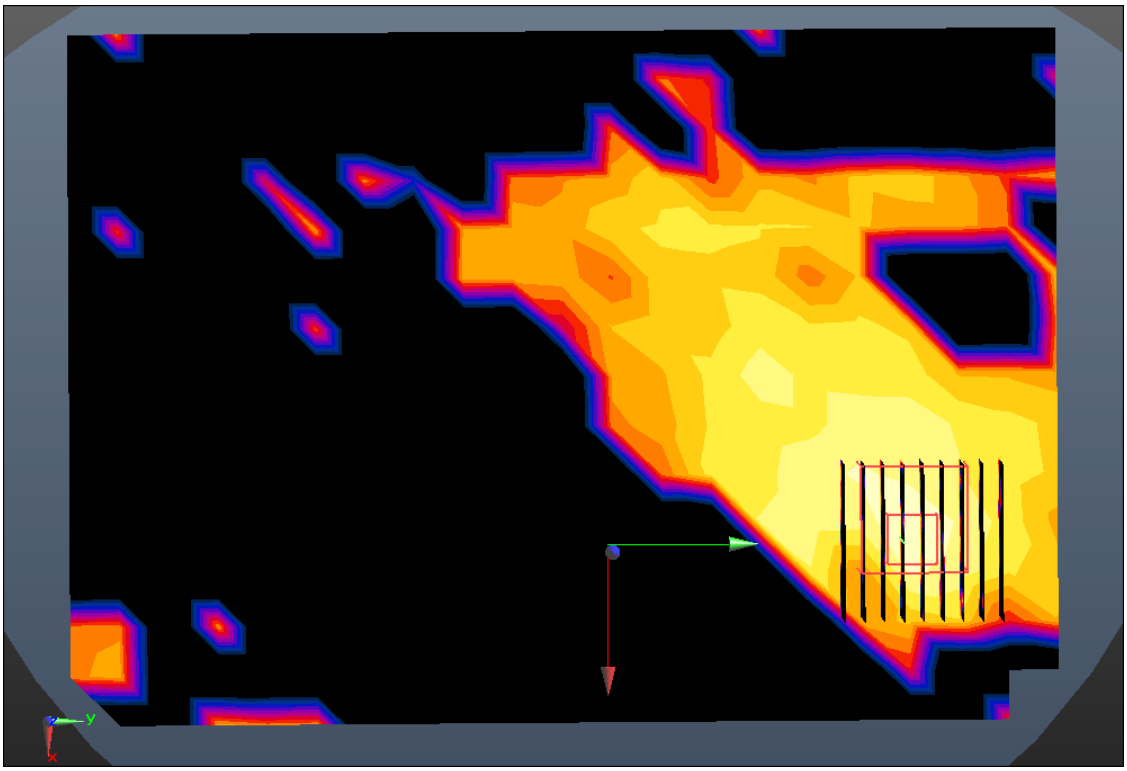
Test Date: 2018-09-11; Ambient Temp: 20.8; Tissue Temp: 21.4

1 cm spcae from Body, Rear, W-LAN(802.11a - 5.8G) Ch. 157, Ant Internal, Ant.1

Area Scan (15x21x1): Measurement grid: dx=10mm, dy=10mm
Zoom Scan (9x9x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm, Graded Ratio: 1.4
Power Drift = 0.08 dB
Peak SAR (extrapolated) = 0.201 W/kg
SAR(1 g) = 0.035 W/kg; SAR(10 g) = 0.00924 W/kg



0 dB = 0.111 W/kg



Enlarged Plot for A41

DUT: KX1801; Type: Bar

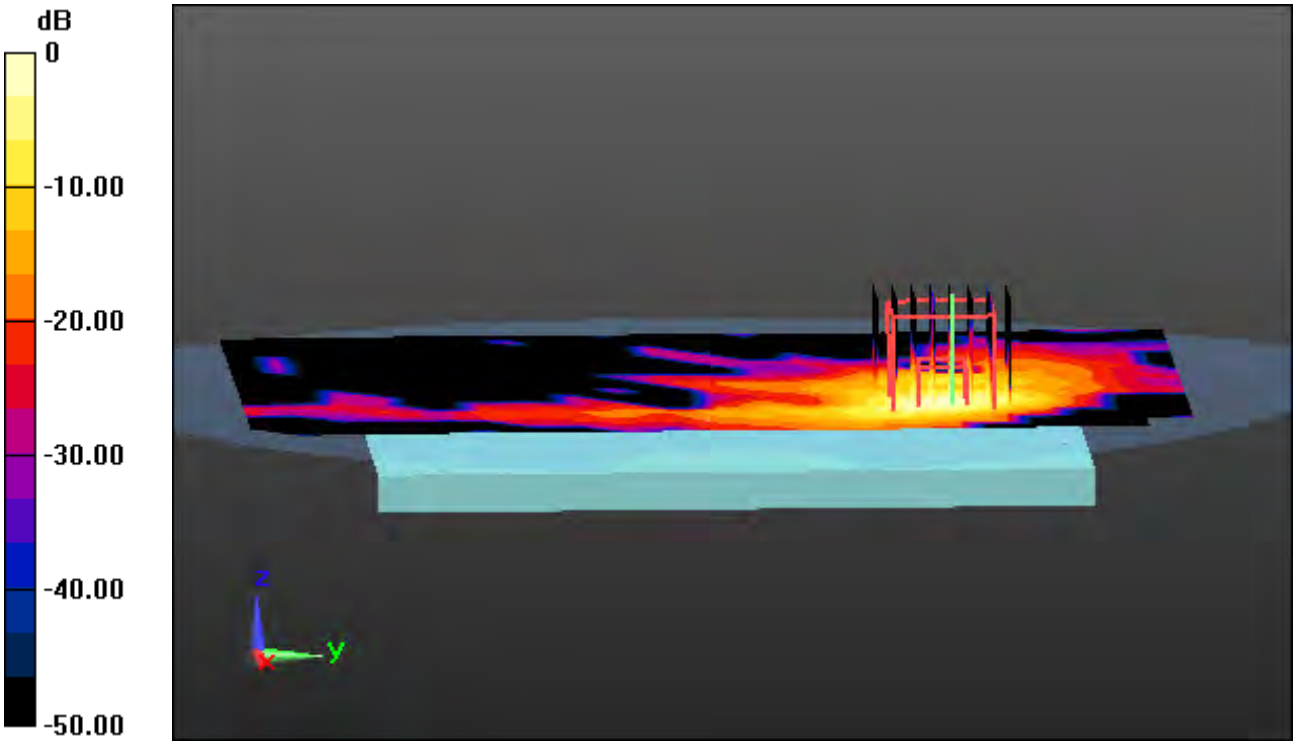
Communication System: UID 0, W-LAN_5 GHz(FCC) (0); Frequency: 5785 MHz; Duty Cycle: 1:1
Medium parameters used: f = 5785 MHz; σ = 6.078 S/m; ε_r = 48.006; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:
Probe: EX3DV4 - SN3866; ConvF(4.16, 4.16, 4.16); Calibrated: 5/31/2018; Electronics: DAE4 Sn1394
Sensor-Surface: 1.4mm (Mechanical Surface Detection)
Phantom: SAM-twin middle_2013_09_24; Type: QD000P40CD; Serial: 1782
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

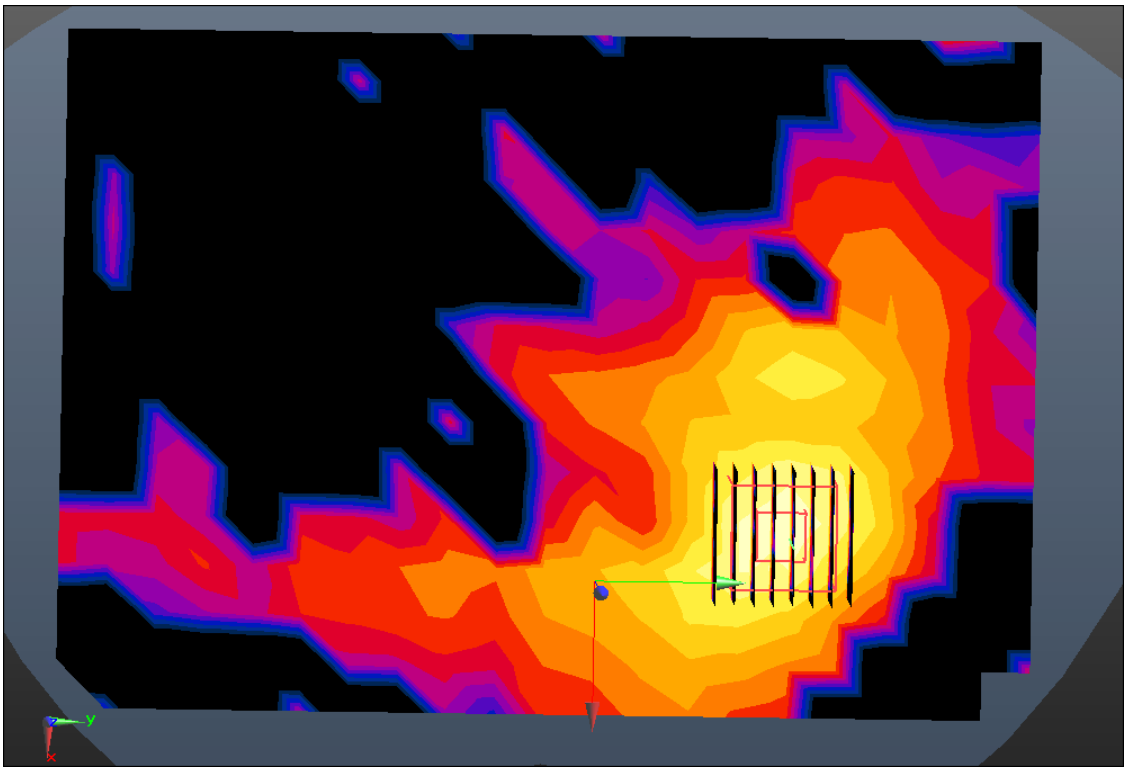
Test Date: 2018-09-11; Ambient Temp: 20.8; Tissue Temp: 21.4

1 cm spcae from Body, Rear, W-LAN(802.11a - 5.8G) Ch. 157, Ant Internal, Ant.2

Area Scan (15x21x1): 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) = 2.14 W/kg
SAR(1 g) = 0.460 W/kg; SAR(10 g) = 0.137 W/kg



0 dB = 1.19 W/kg



Enlarged Plot for A42

DT&C Co., Ltd.

DUT: KX1801; Type: Bar

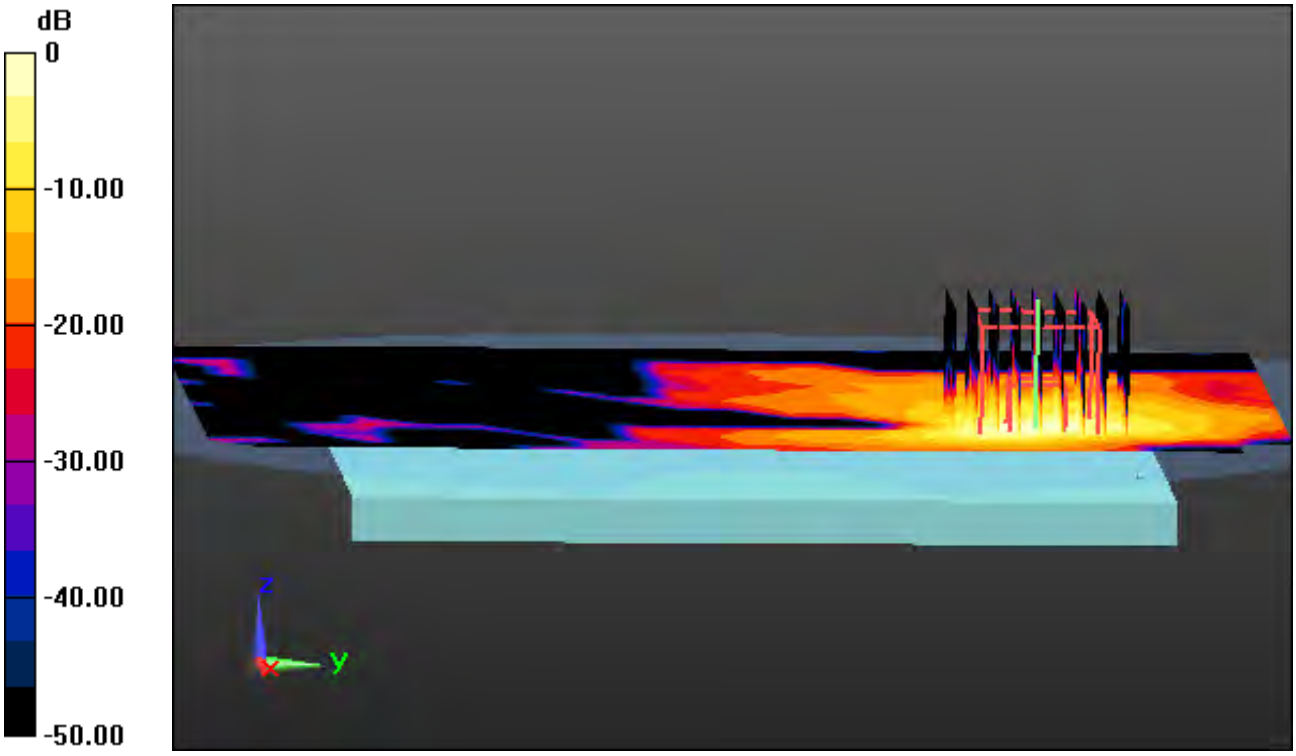
Communication System: UID 0, W-LAN_5 GHz(FCC) (0); Frequency: 5785 MHz; Duty Cycle: 1:1
Medium parameters used: f = 5785 MHz; σ = 6.078 S/m; ε_r = 48.006; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:
Probe: EX3DV4 - SN3866; ConvF(4.16, 4.16, 4.16); Calibrated: 5/31/2018; Electronics: DAE4 Sn1394
Sensor-Surface: 1.4mm (Mechanical Surface Detection)
Phantom: SAM-twin middle_2013_09_24; Type: QD000P40CD; Serial: 1782
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

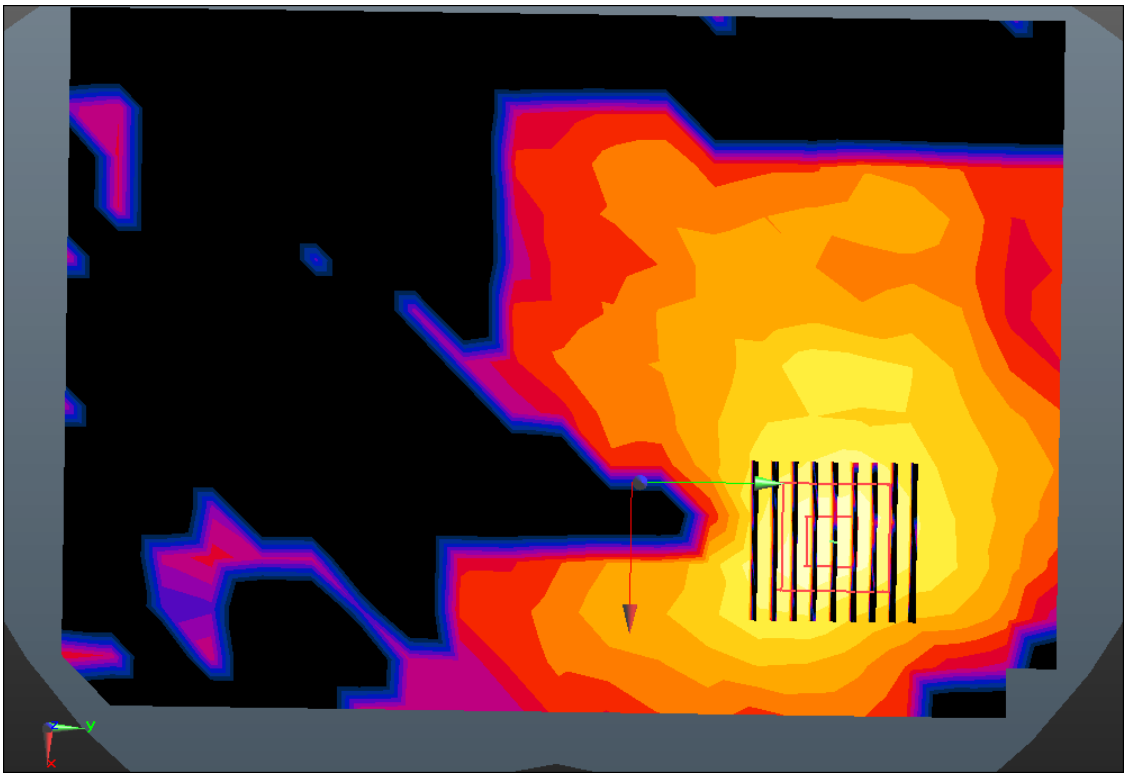
Test Date: 2018-09-11; Ambient Temp: 20.8; Tissue Temp: 21.4

1 cm spcae from Body, Rear, W-LAN(802.11a - 5.8G) Ch. 157, Ant Internal, MIMO

Area Scan (15x21x1): Measurement grid: dx=10mm, dy=10mm
Zoom Scan (9x9x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm, Graded Ratio: 1.4
Power Drift = -0.13 dB
Peak SAR (extrapolated) = 2.01 W/kg
SAR(1 g) = 0.429 W/kg; SAR(10 g) = 0.134 W/kg



0 dB = 1.14 W/kg



Enlarged Plot for A43

DT&C Co., Ltd.

DUT: KX1801; Type: Bar

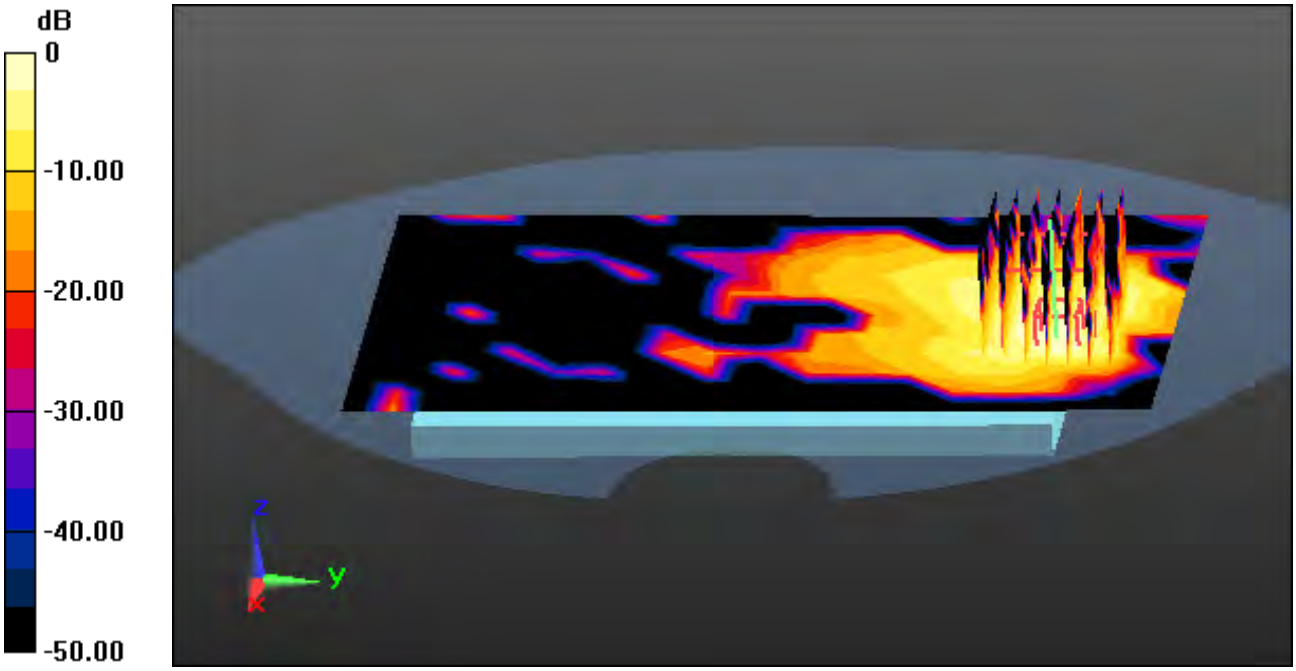
Communication System: UID 0, Bluetooth (0); Frequency: 2441 MHz; Duty Cycle: 1:1.302
Medium parameters used: f = 2441 MHz; σ = 1.966 S/m; ε_r = 52.382; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:
Probe: EX3DV4 - SN3866; ConvF(7.4, 7.4, 7.4); Calibrated: 5/31/2018; Electronics: DAE4 Sn1394
Sensor-Surface: 2mm (Mechanical Surface Detection)
Phantom: SAM-twin middle_2013_09_24; Type: QD000P40CD; Serial: 1782
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

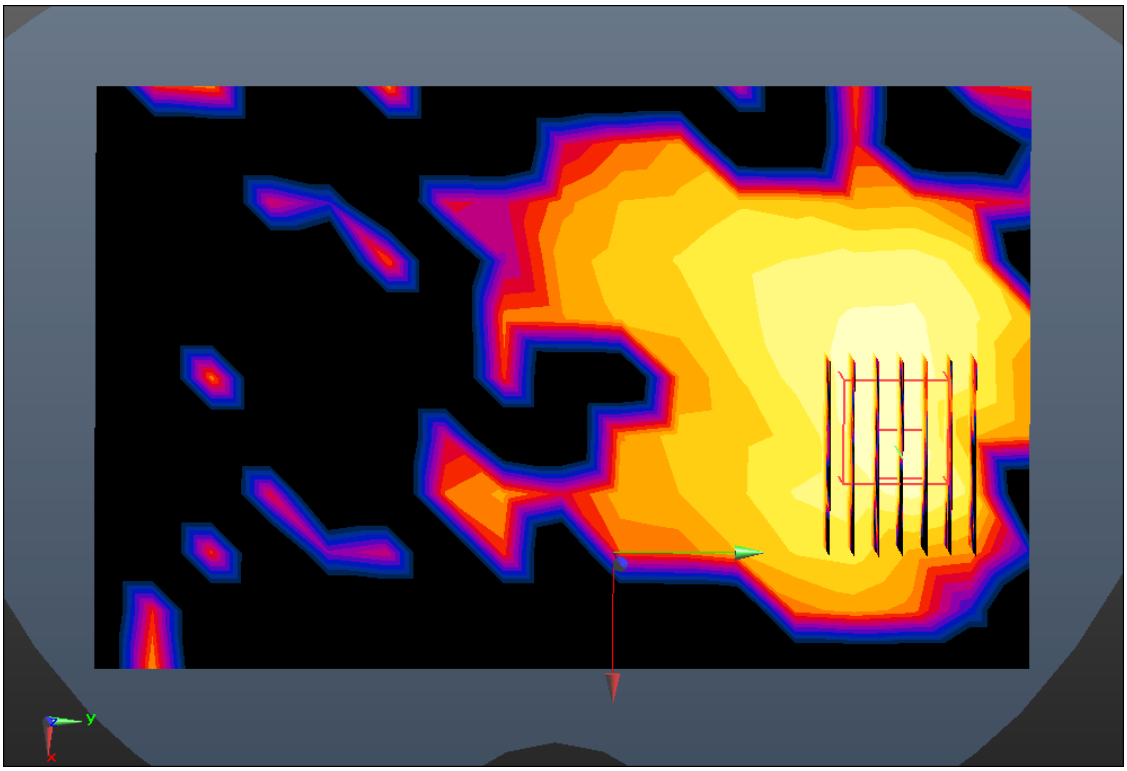
Test Date: 2018-09-07; Ambient Temp: 20.7; Tissue Temp: 21.1

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

Area Scan (11x17x1): Measurement grid: dx=12mm, dy=12mm
Zoom Scan (9x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Power Drift = 0.05 dB
Peak SAR (extrapolated) = 0.0690 W/kg
SAR(1 g) = 0.026 W/kg; SAR(10 g) = 0.011 W/kg



0 dB = 0.0416 W/kg



Enlarged Plot for A44

DUT: KX1801; Type: Bar

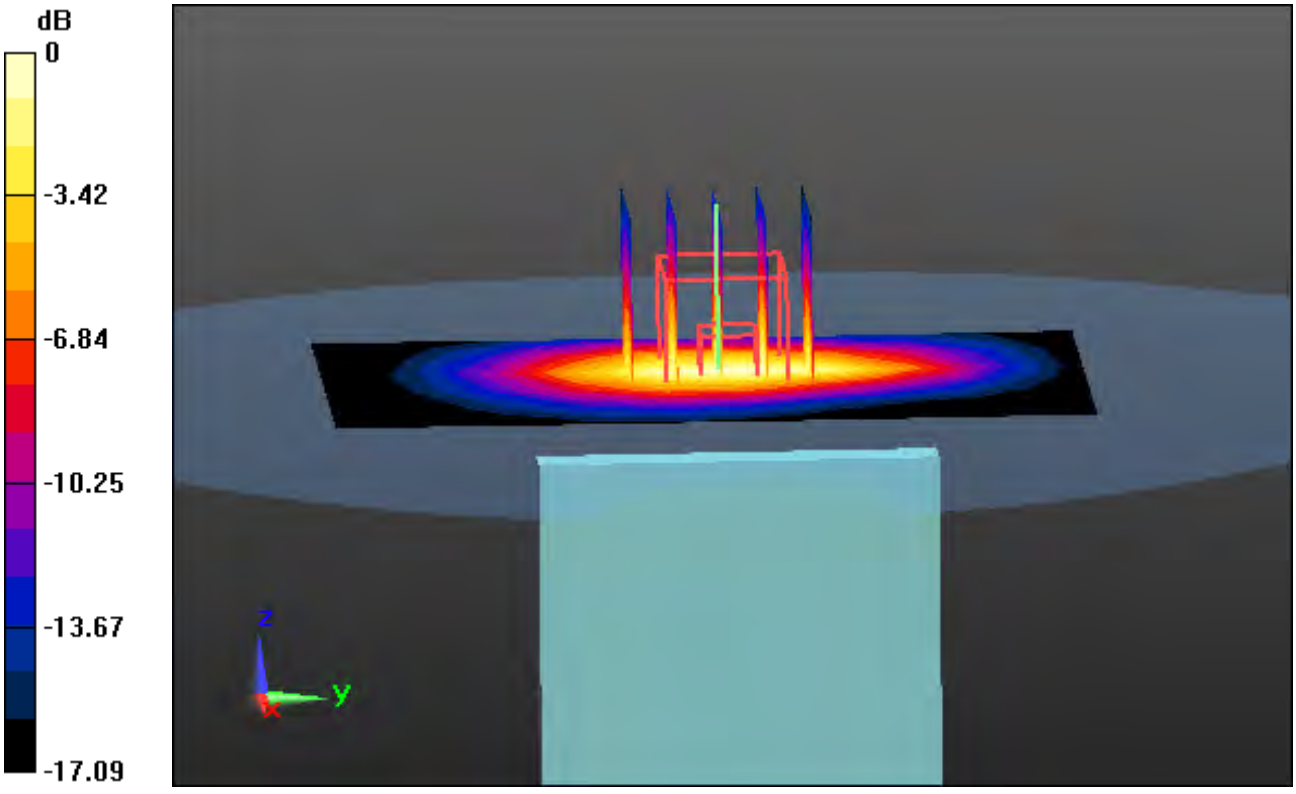
Communication System: UID 0, PCS1900_Class 11 (0); Frequency: 1850.2 MHz;Duty Cycle: 1:2.77
Medium parameters used: f = 1850.2 MHz; σ = 1.498 S/m; ε_r = 51.737; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:
Probe: ES3DV3 - SN3328; ConvF(4.88, 4.88, 4.88); Calibrated: 3/21/2018; Electronics: DAE3 Sn520
Sensor-Surface: 3mm (Mechanical Surface Detection)
Phantom: SAM with CRP_2016_07_22_middle; Type: QD000P40CD; Serial: 1786
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

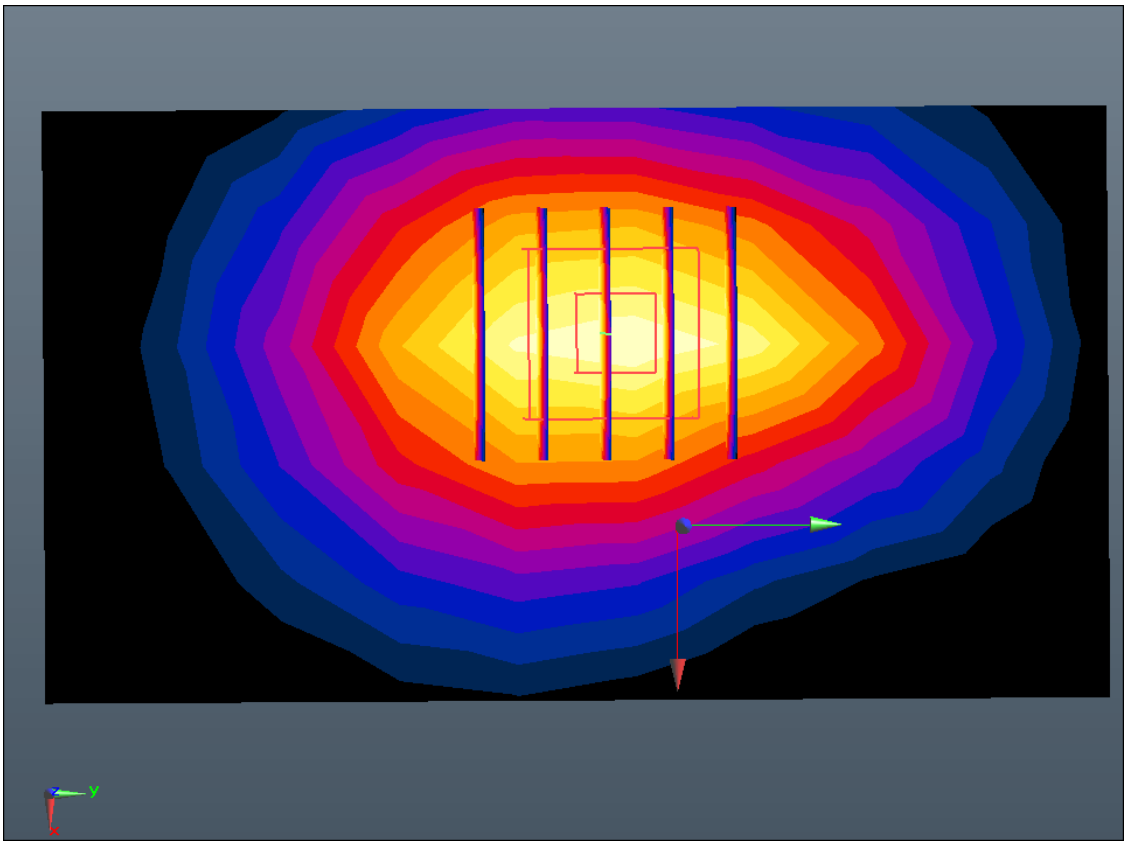
Test Date: 2018-09-04; Ambient Temp: 20.6; Tissue Temp: 21.6

1 cm space from Body, Bottom, PCS1900 GPRS 3Tx Ch. 512, Ant Internal

Area Scan (6x10x1): 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) = 1.76 W/kg
SAR(1 g) = 1.05 W/kg; SAR(10 g) = 0.575 W/kg



0 dB = 1.29 W/kg



Enlarged Plot for A45

DT&C Co., Ltd.

DUT: KX1801; Type: Bar

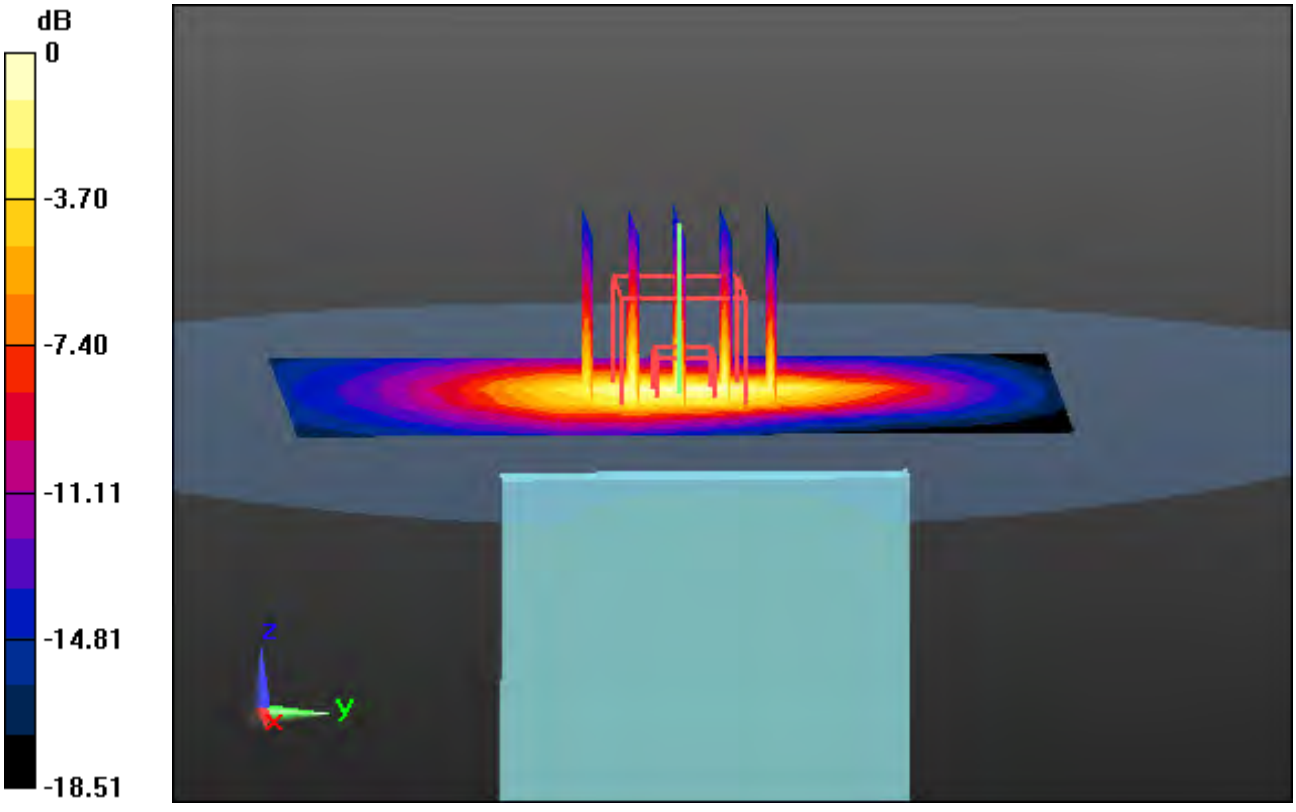
Communication System: UID 0, WCDMA Band 4 (0); Frequency: 1732.4 MHz;Duty Cycle: 1:1
Medium parameters used: f = 1732.4 MHz; σ = 1.44 S/m; ε_r = 51.985; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:
Probe: ES3DV3 - SN3328; ConvF(5.1, 5.1, 5.1); Calibrated: 3/21/2018; Electronics: DAE3 Sn520
Sensor-Surface: 3mm (Mechanical Surface Detection)
Phantom: SAM with CRP_2016_07_22_middle; Type: QD000P40CD; Serial: 1786
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

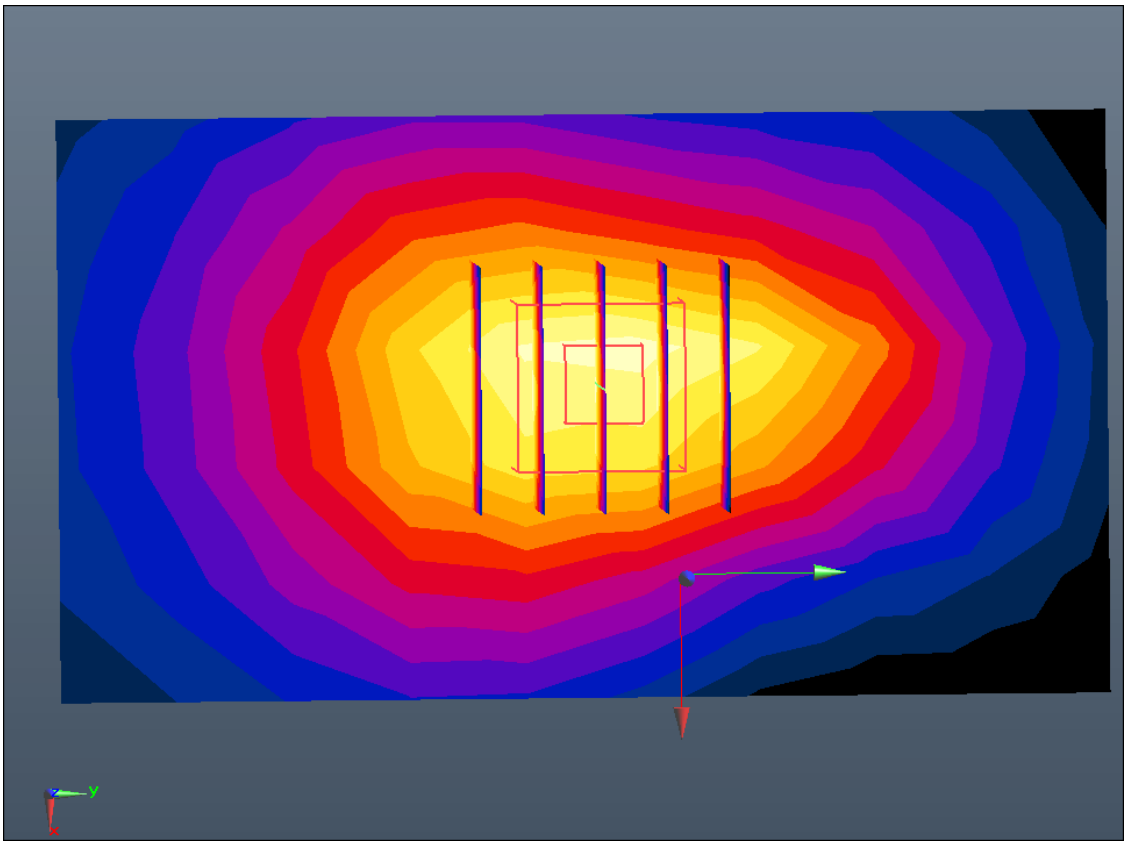
Test Date: 2018-09-06; Ambient Temp: 21.1; Tissue Temp: 21.7

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

Area Scan (6x10x1): Measurement grid: dx=15mm, dy=15mm
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Power Drift = -0.16 dB
Peak SAR (extrapolated) = 1.24 W/kg
SAR(1 g) = 0.729 W/kg; SAR(10 g) = 0.396 W/kg



0 dB = 0.909 W/kg



Enlarged Plot for A46

DUT: KX1801; Type: Bar

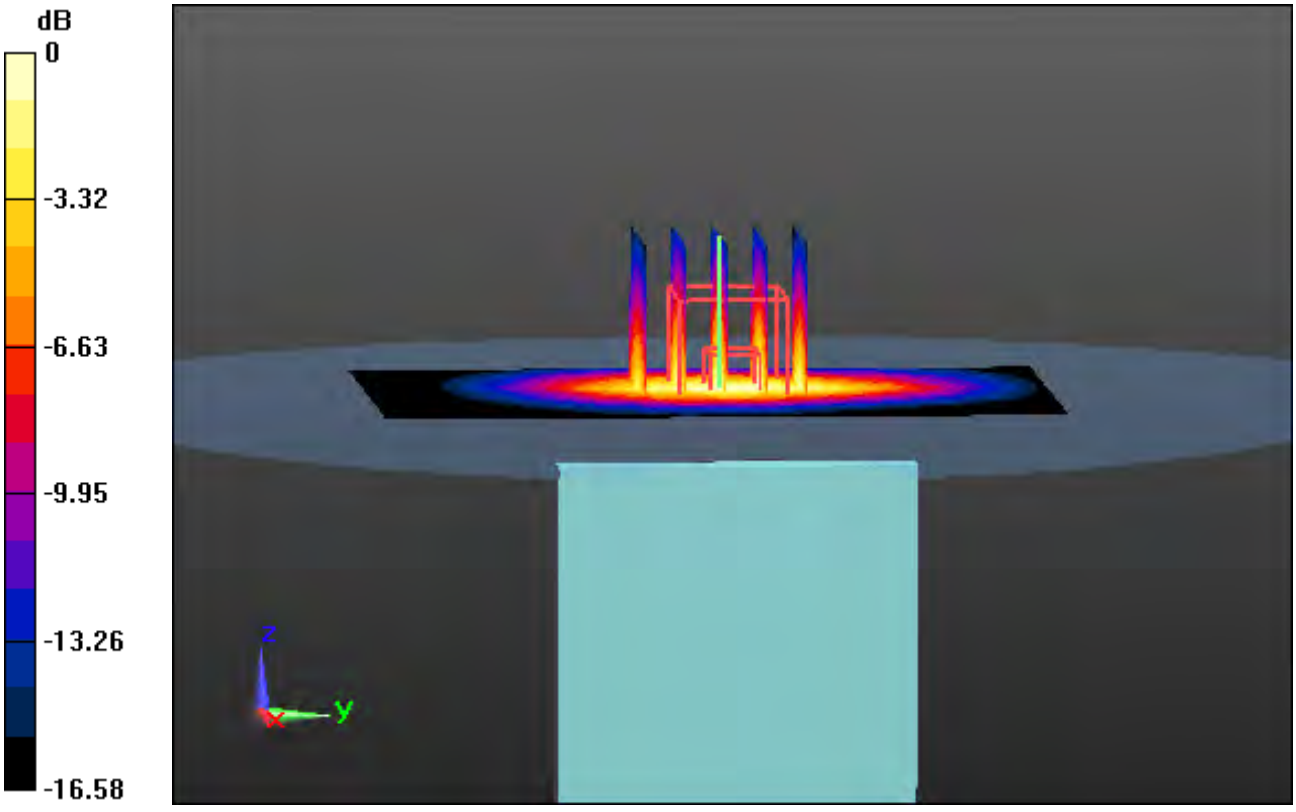
Communication System: UID 0, WCDMA 1900 (0); Frequency: 1852.4 MHz;Duty Cycle: 1:1
Medium parameters used: f = 1852.4 MHz; σ = 1.506 S/m; ε_r = 51.978; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:
Probe: ES3DV3 - SN3328; ConvF(4.88, 4.88, 4.88); Calibrated: 3/21/2018; Electronics: DAE3 Sn520
Sensor-Surface: 3mm (Mechanical Surface Detection)
Phantom: SAM with CRP_2016_07_22_middle; Type: QD000P40CD; Serial: 1786
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

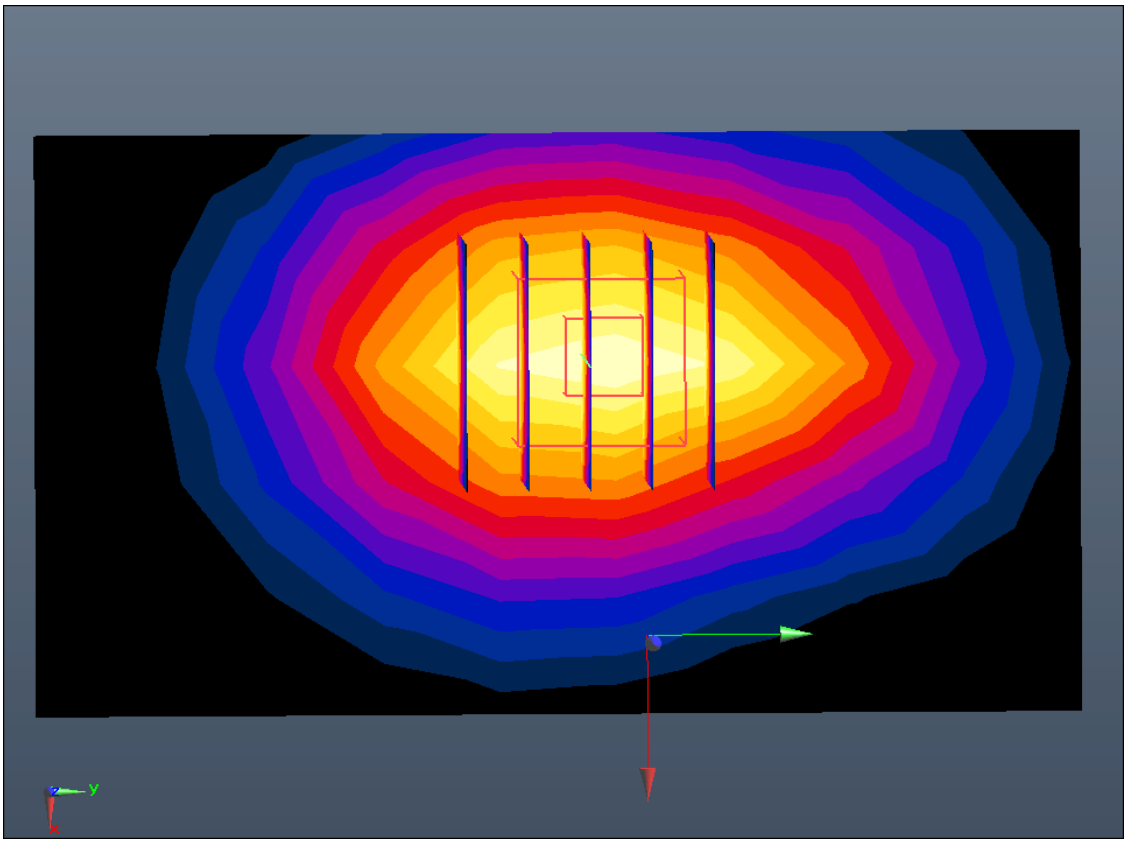
Test Date: 2018-09-05; Ambient Temp: 21.0; Tissue Temp: 21.3

1 cm space from Body, Bottom, WCDMA Band 2 Ch. 9262, Ant Internal

Area Scan (6x10x1): Measurement grid: dx=15mm, dy=15mm
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Power Drift = 0.02 dB
Peak SAR (extrapolated) = 1.47 W/kg
SAR(1 g) = 0.883 W/kg; SAR(10 g) = 0.489 W/kg



0 dB = 1.07 W/kg



Enlarged Plot for A47

DT&C Co., Ltd.

DUT: KX1801; Type: Bar

Communication System: UID 0, LTE Band 4 (0); Frequency: 1732.5 MHz;Duty Cycle: 1:1
Medium parameters used: f = 1732.5 MHz; σ = 1.444 S/m; ε_r = 52.184; ρ = 1000 kg/m^3
Phantom section: Flat Section

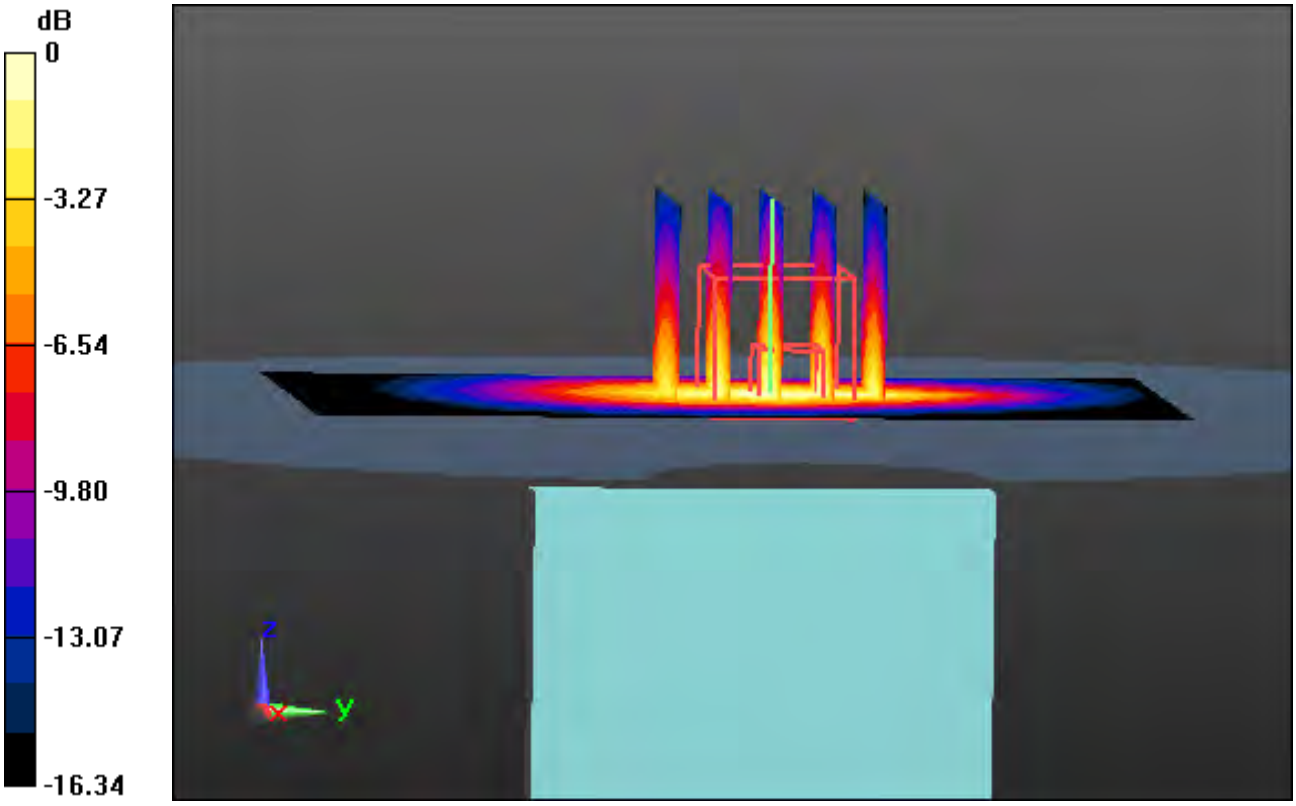
DASY5 Configuration:
Probe: ES3DV3 - SN3328; ConvF(5.1, 5.1, 5.1); Calibrated: 3/21/2018; Electronics: DAE3 Sn520
Sensor-Surface: 3mm (Mechanical Surface Detection)
Phantom: SAM with CRP_2016_07_22_middle; Type: QD000P40CD; Serial: 1786
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2018-09-10; Ambient Temp: 20.7; Tissue Temp: 20.8

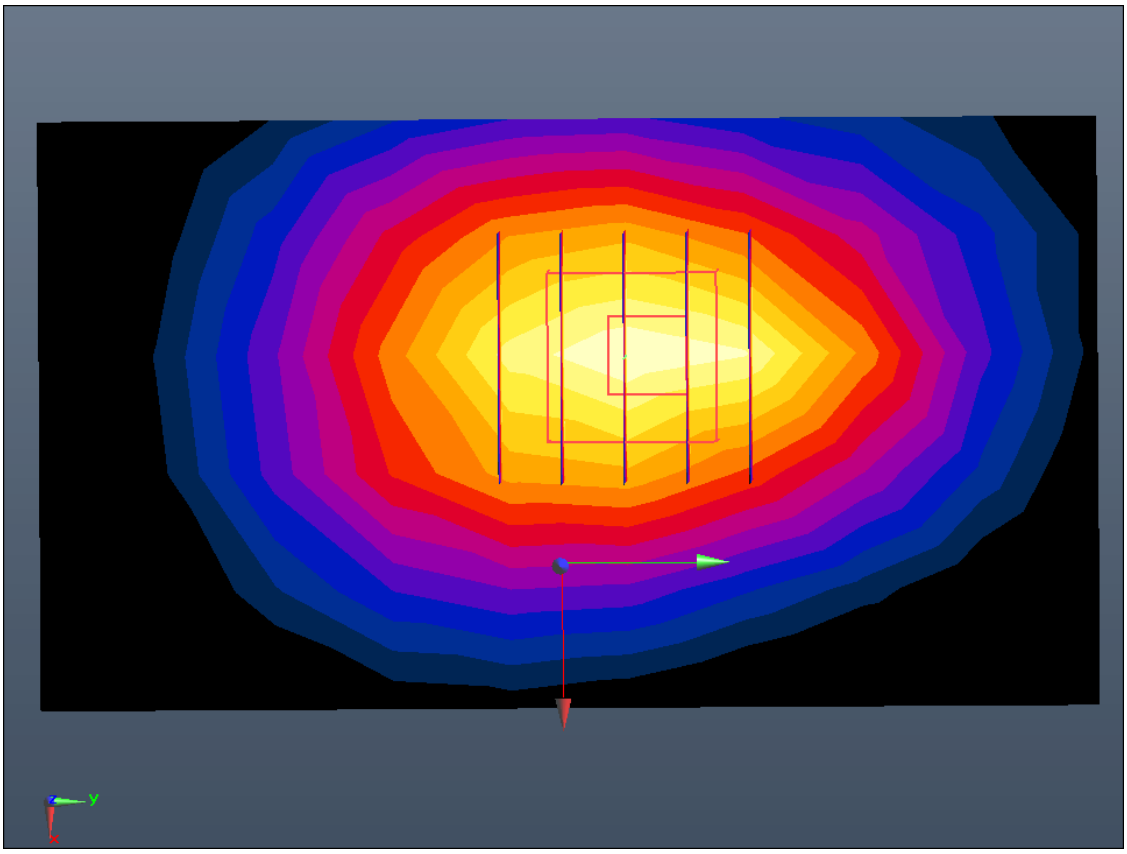
1 cm space from Body, Bottom, LTE Band 4 Ch. 20175, Ant Internal

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

Area Scan (6x10x1): 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) = 1.15 W/kg
SAR(1 g) = 0.685 W/kg; SAR(10 g) = 0.382 W/kg



0 dB = 0.828 W/kg



Enlarged Plot for A48

DT&C Co., Ltd.

DUT: KX1801; Type: Bar

Communication System: UID 0, LTE Band 2 (0); Frequency: 1900 MHz;Duty Cycle: 1:1
Medium parameters used: f = 1900 MHz; σ = 1.548 S/m; ε_r = 51.796; ρ = 1000 kg/m^3
Phantom section: Flat Section

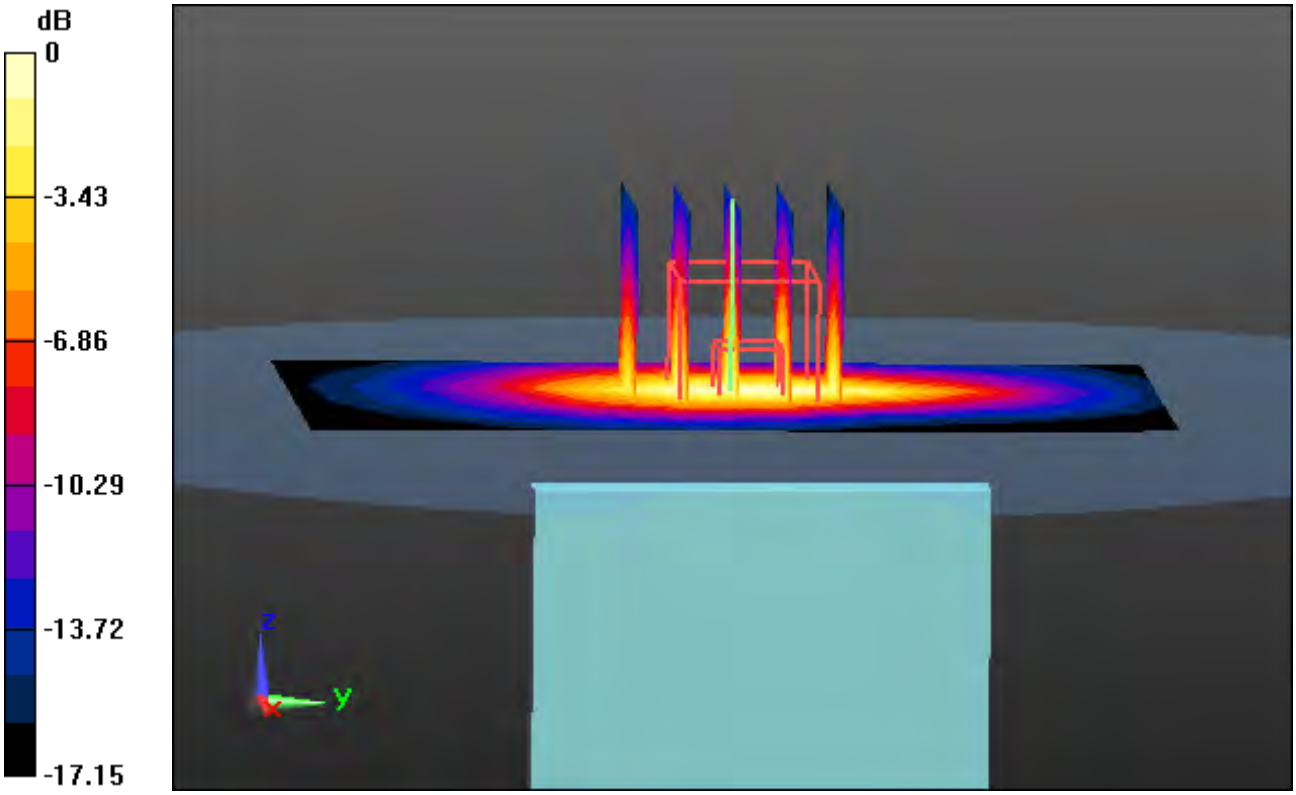
DASY5 Configuration:
Probe: ES3DV3 - SN3328; ConvF(4.88, 4.88, 4.88); Calibrated: 3/21/2018; Electronics: DAE3 Sn520
Sensor-Surface: 3mm (Mechanical Surface Detection)
Phantom: SAM with CRP_2016_07_22_middle; Type: QD000P40CD; Serial: 1786
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2018-09-07; Ambient Temp: 20.8; Tissue Temp: 21.1

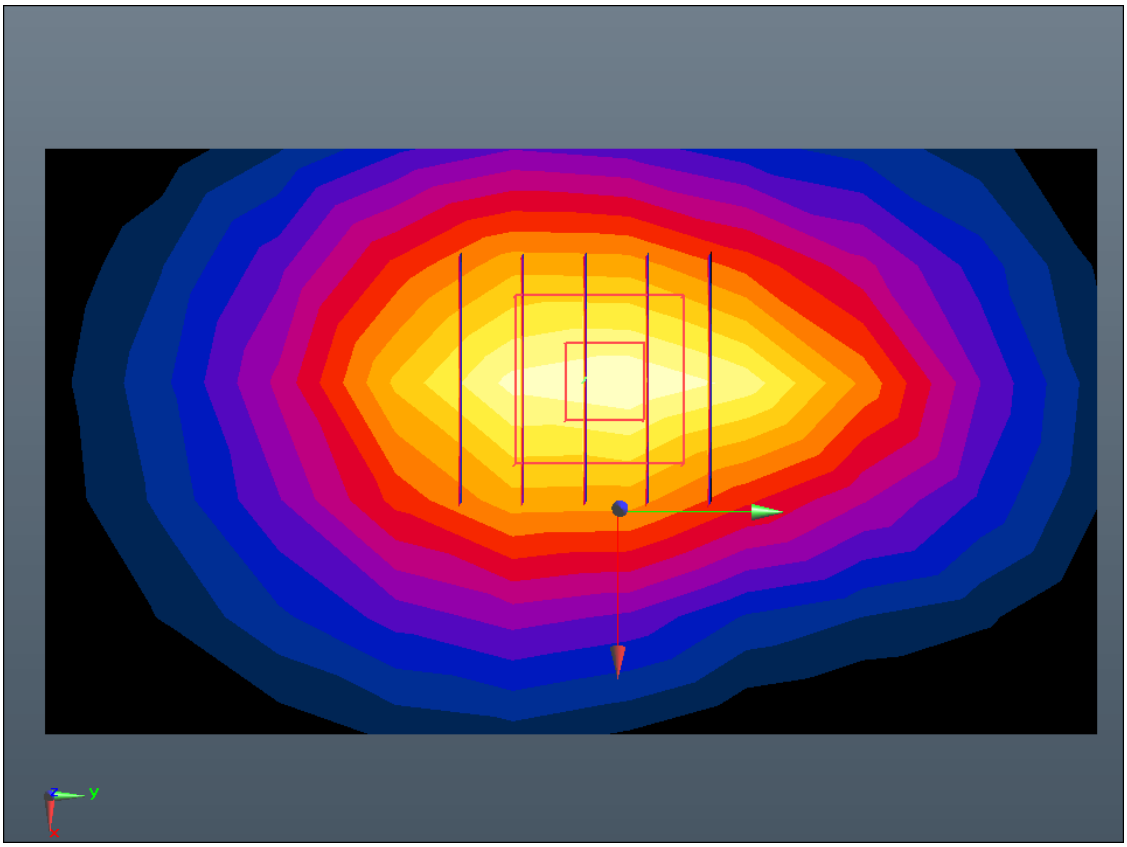
1 cm space from Body, Bottom, LTE Band 2 Ch. 19100, Ant Internal

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

Area Scan (6x10x1): 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) = 1.43 W/kg
SAR(1 g) = 0.861 W/kg; SAR(10 g) = 0.476 W/kg



0 dB = 1.05 W/kg



Enlarged Plot for A49

DT&C Co., Ltd.

DUT: KX1801; Type: Bar

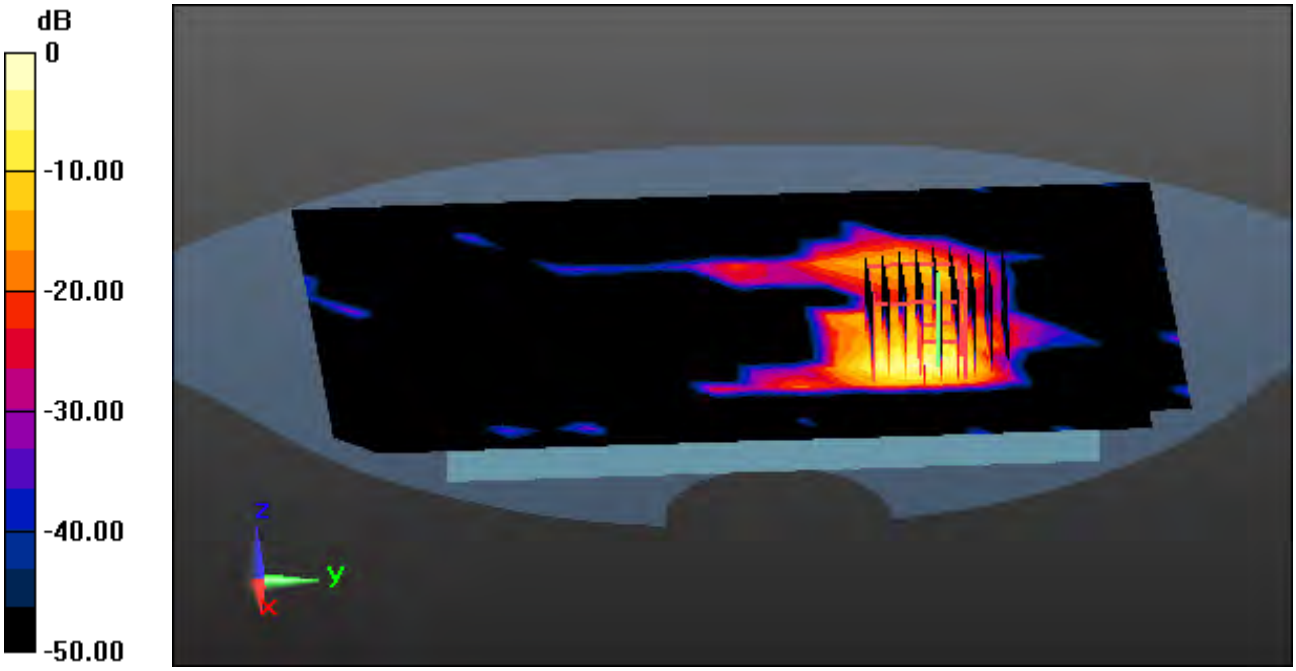
Communication System: UID 0, W-LAN_5 GHz(FCC) (0); Frequency: 5320 MHz; Duty Cycle: 1:1
Medium parameters used: f = 5320 MHz; σ = 5.432 S/m; ε_r = 47.679; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:
Probe: EX3DV4 - SN3866; ConvF(4.5, 4.5, 4.5); Calibrated: 5/31/2018; Electronics: DAE4 Sn1394
Sensor-Surface: 1.4mm (Mechanical Surface Detection)
Phantom: SAM-twin middle_2013_09_24; Type: QD000P40CD; Serial: 1782
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

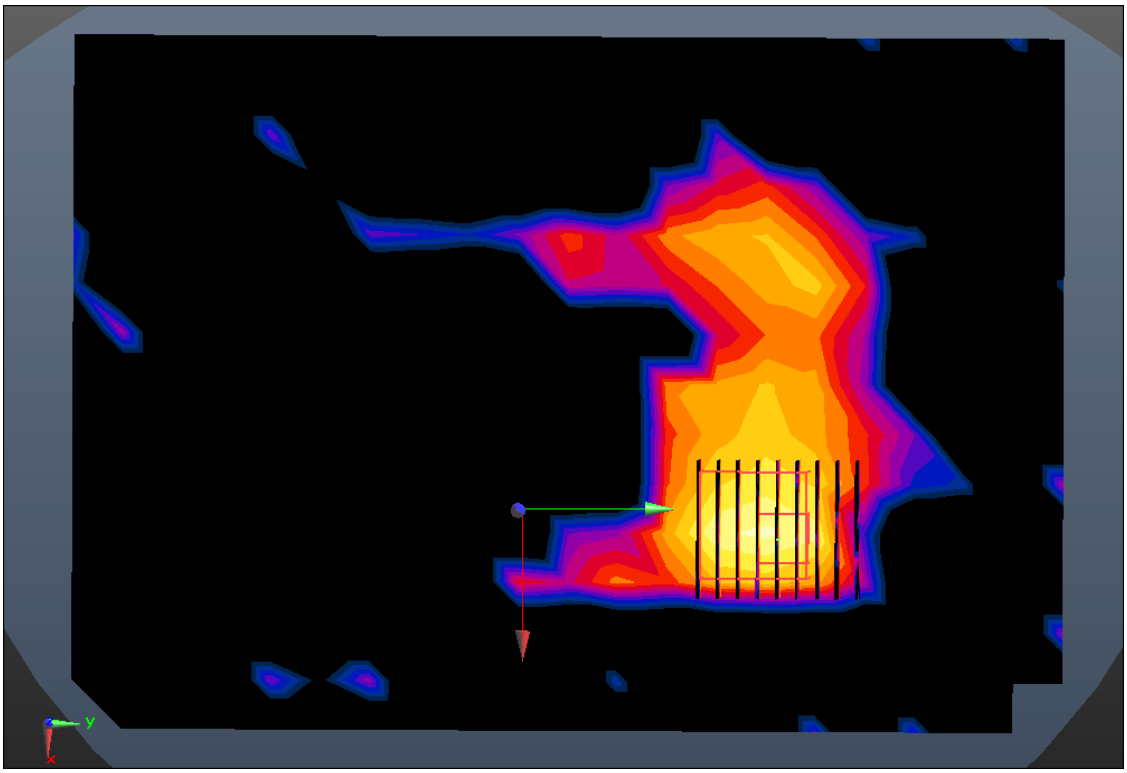
Test Date: 2018-09-21; Ambient Temp: 21.5; Tissue Temp: 21.0

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

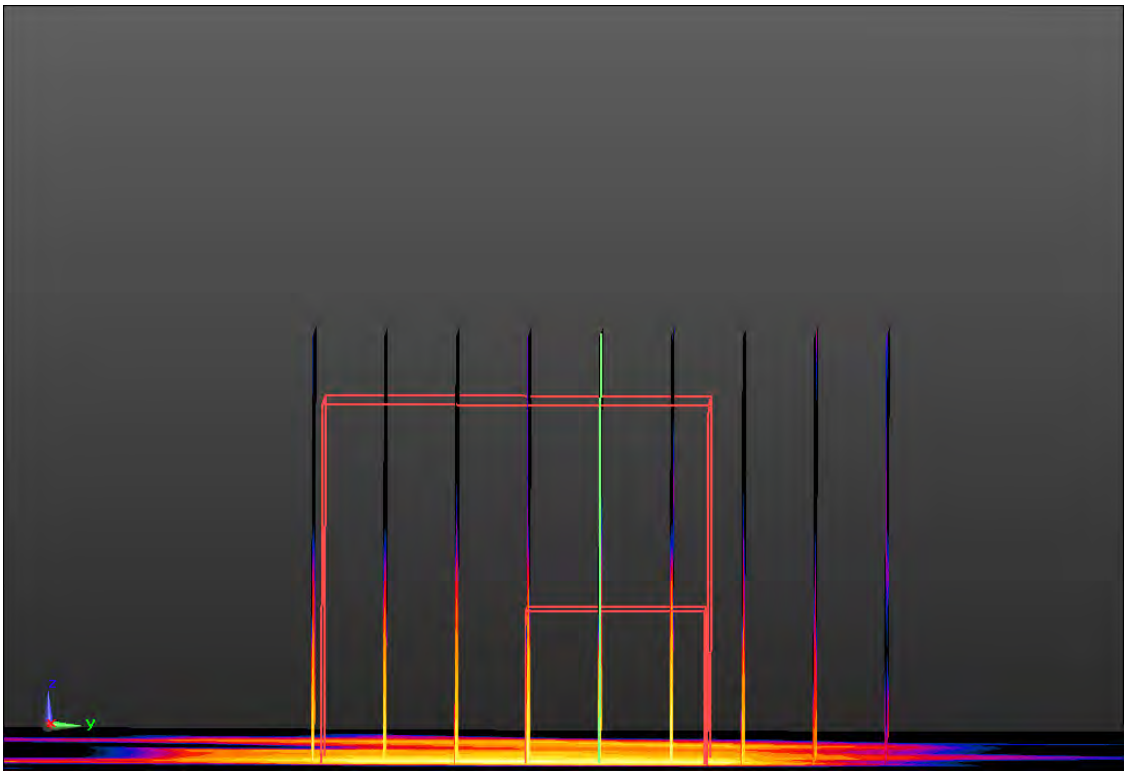
Area Scan (15x21x1): Measurement grid: dx=10mm, dy=10mm
Zoom Scan (8x9x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm, Graded Ratio: 1.4
Power Drift = -0.03 dB
Peak SAR (extrapolated) = 4.70 W/kg
SAR(1 g) = 0.727 W/kg; SAR(10 g) = 0.159 W/kg



0 dB = 2.43 W/kg



Enlarged Plot for A50



Enlarged Plot for A50

DT&C Co., Ltd.

DUT: KX1801; Type: Bar

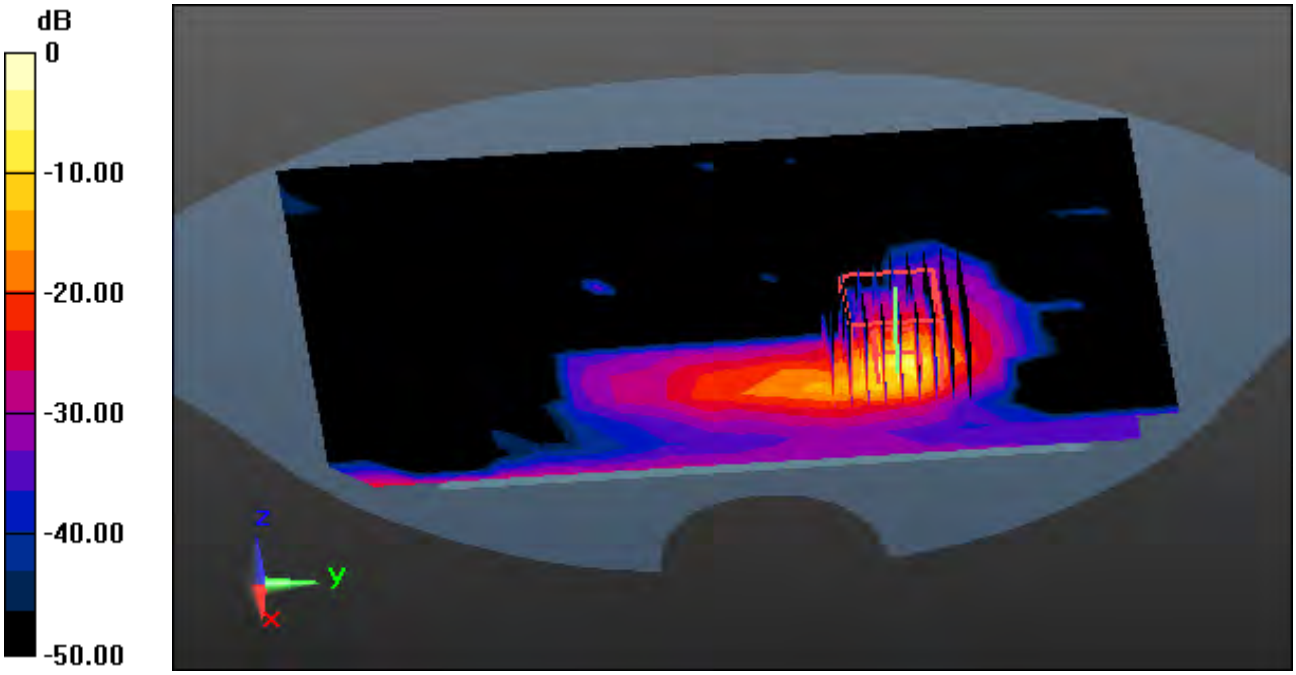
Communication System: UID 0, W-LAN_5 GHz(FCC) (0); Frequency: 5320 MHz; Duty Cycle: 1:1
Medium parameters used: f = 5320 MHz; σ = 5.432 S/m; ε_r = 47.679; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:
Probe: EX3DV4 - SN3866; ConvF(4.5, 4.5, 4.5); Calibrated: 5/31/2018; Electronics: DAE4 Sn1394
Sensor-Surface: 1.4mm (Mechanical Surface Detection)
Phantom: SAM-twin middle_2013_09_24; Type: QD000P40CD; Serial: 1782
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

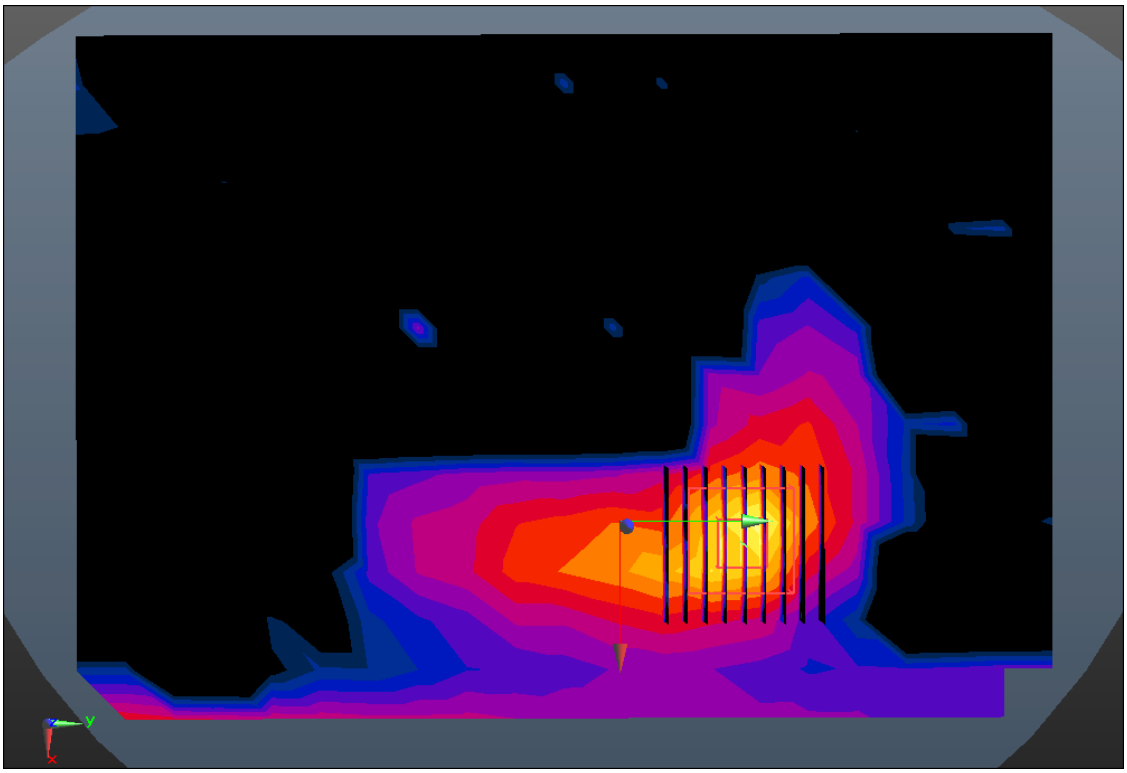
Test Date: 2018-09-21; Ambient Temp: 21.5; Tissue Temp: 21.0

Touch from Body, Rear, W-LAN(802.11a - 5.3G) Ch. 64, Ant Internal, Ant.2

Area Scan (15x21x1): Measurement grid: dx=10mm, dy=10mm
Zoom Scan (9x9x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm, Graded Ratio: 1.4
Power Drift = -0.02 dB
Peak SAR (extrapolated) = 56.9 W/kg
SAR(1 g) = 7.76 W/kg; SAR(10 g) = 1.23 W/kg



0 dB = 30.6 W/kg



Enlarged Plot for A51

DT&C Co., Ltd.

DUT: KX1801; Type: Bar

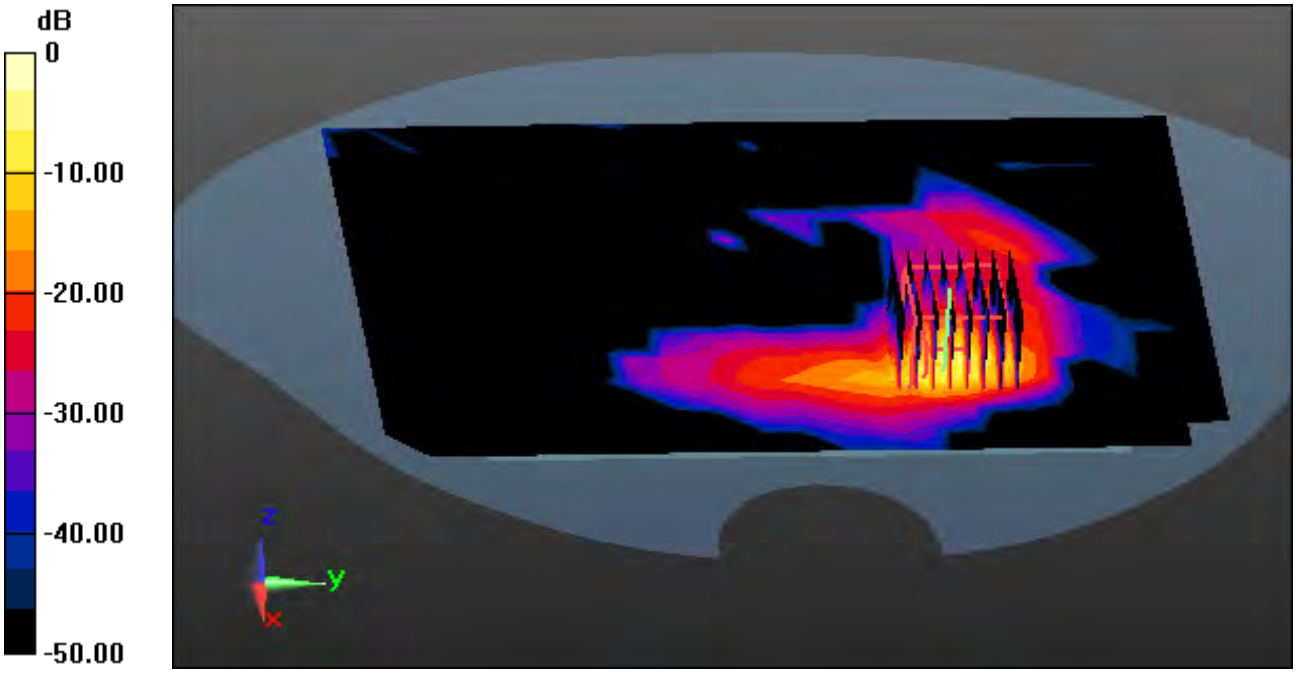
Communication System: UID 0, W-LAN_5 GHz(FCC) (0); Frequency: 5320 MHz; Duty Cycle: 1:1
Medium parameters used: f = 5320 MHz; σ = 5.432 S/m; ε_r = 47.679; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:
Probe: EX3DV4 - SN3866; ConvF(4.5, 4.5, 4.5); Calibrated: 5/31/2018; Electronics: DAE4 Sn1394
Sensor-Surface: 1.4mm (Mechanical Surface Detection)
Phantom: SAM-twin middle_2013_09_24; Type: QD000P40CD; Serial: 1782
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

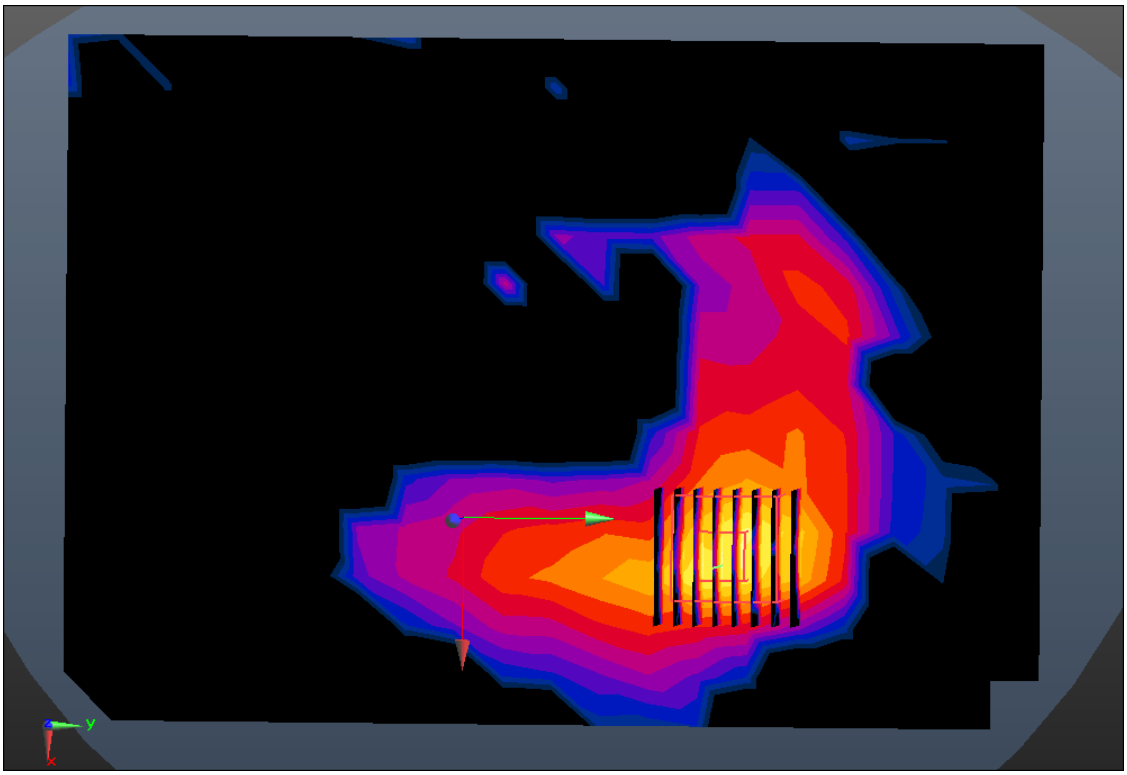
Test Date: 2018-09-21; Ambient Temp: 21.5; Tissue Temp: 21.0

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

Area Scan (15x21x1): 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 = 0.00 dB
Peak SAR (extrapolated) = 60.6 W/kg
SAR(1 g) = 8.06 W/kg; SAR(10 g) = 1.31 W/kg



0 dB = 25.9 W/kg



Enlarged Plot for A52

DT&C Co., Ltd.

DUT: KX1801; Type: Bar

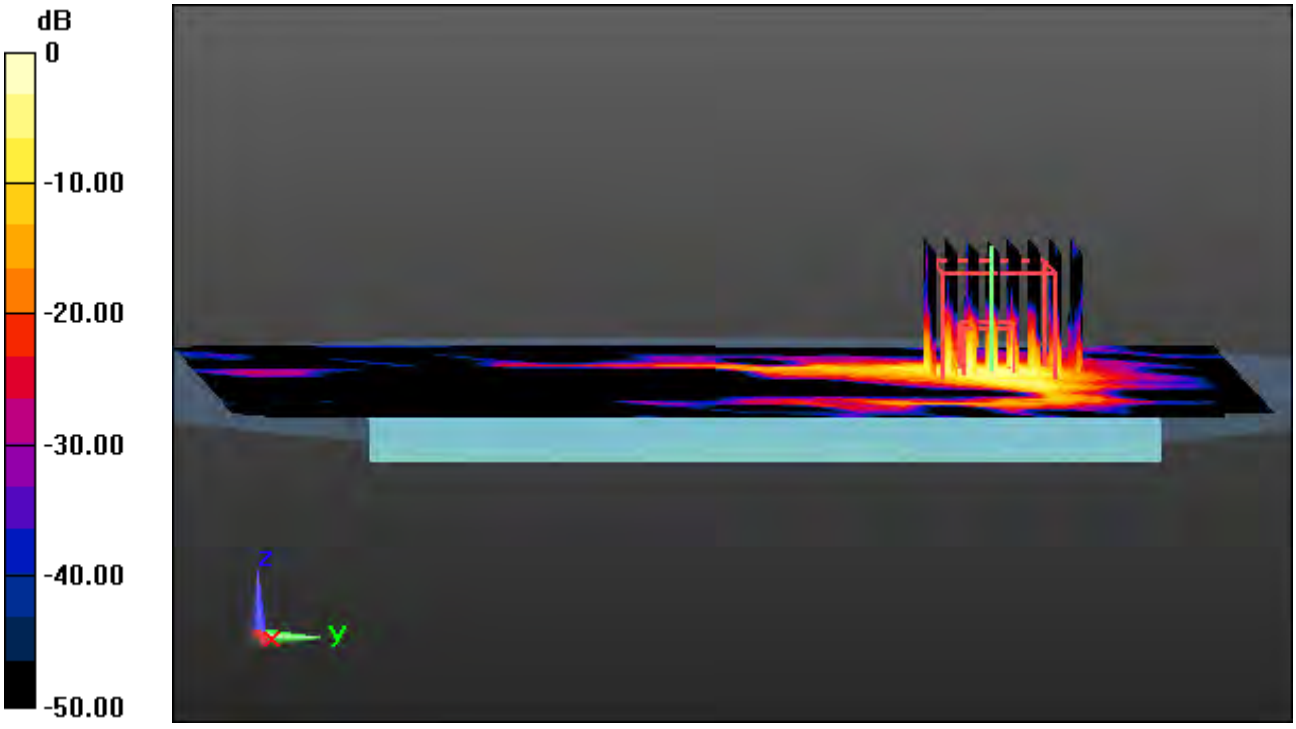
Communication System: UID 0, W-LAN_5 GHz(FCC) (0); Frequency: 5600 MHz; Duty Cycle: 1:1
Medium parameters used: f = 5600 MHz; σ = 5.986 S/m; ε_r = 47.106; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:
Probe: EX3DV4 - SN3866; ConvF(3.87, 3.87, 3.87); Calibrated: 5/31/2018; Electronics: DAE4 Sn1394
Sensor-Surface: 1.4mm (Mechanical Surface Detection)
Phantom: SAM-twin middle_2013_09_24; Type: QD000P40CD; Serial: 1782
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

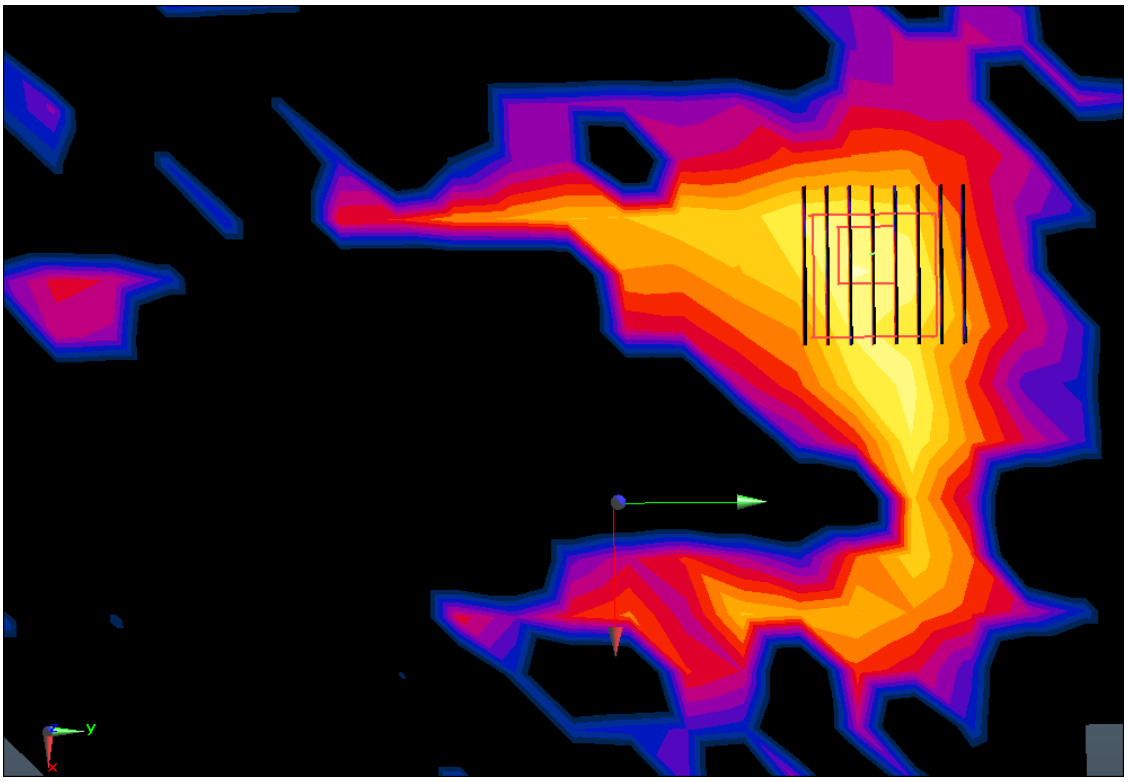
Test Date: 2018-09-13; Ambient Temp: 21.0; Tissue Temp: 21.3

Touch from Body, Front, W-LAN(802.11a - 5.6G) Ch. 120, Ant Internal, Ant.1

Area Scan (15x21x1): 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 = 0.00 dB
Peak SAR (extrapolated) = 8.81 W/kg
SAR(1 g) = 1.41 W/kg; SAR(10 g) = 0.342 W/kg



0 dB = 4.81 W/kg



Enlarged Plot for A53

DT&C Co., Ltd.

DUT: KX1801; Type: Bar

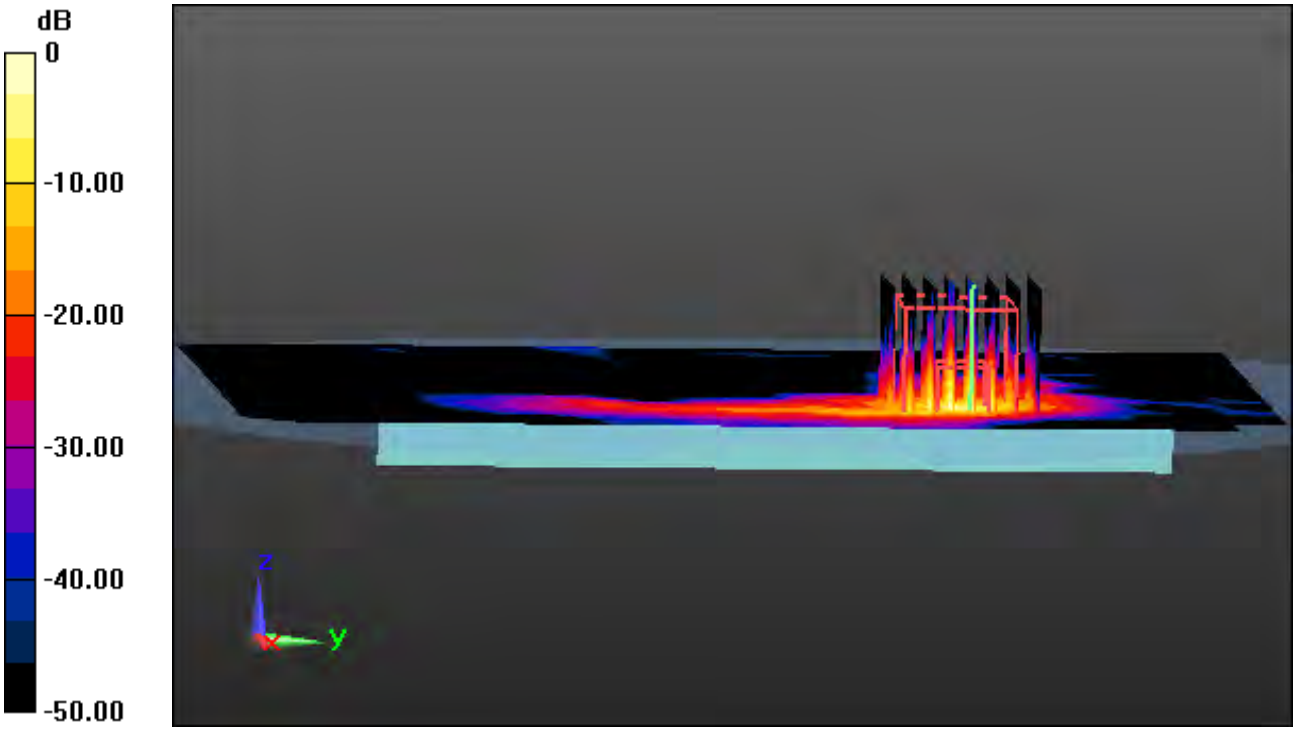
Communication System: UID 0, W-LAN_5 GHz(FCC) (0); Frequency: 5600 MHz; Duty Cycle: 1:1
Medium parameters used: f = 5600 MHz; σ = 5.986 S/m; ε_r = 47.106; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:
Probe: EX3DV4 - SN3866; ConvF(3.87, 3.87, 3.87); Calibrated: 5/31/2018; Electronics: DAE4 Sn1394
Sensor-Surface: 1.4mm (Mechanical Surface Detection)
Phantom: SAM-twin middle_2013_09_24; Type: QD000P40CD; Serial: 1782
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

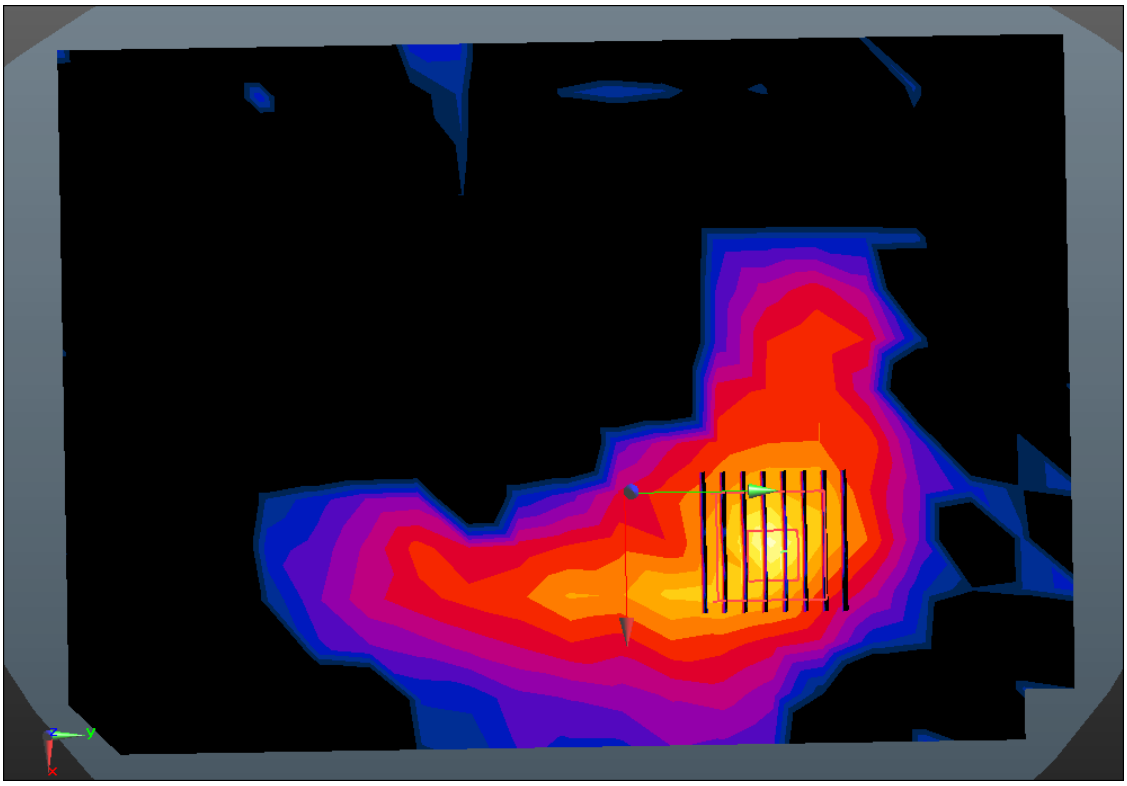
Test Date: 2018-09-13; Ambient Temp: 21.0; Tissue Temp: 21.3

Touch from Body, Rear, W-LAN(802.11a - 5.6G) Ch. 120, Ant Internal, Ant.2

Area Scan (15x21x1): 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) = 53.3 W/kg
SAR(1 g) = 6.94 W/kg; SAR(10 g) = 1.19 W/kg



0 dB = 25.3 W/kg



Enlarged Plot for A54

DT&C Co., Ltd.

DUT: KX1801; Type: Bar

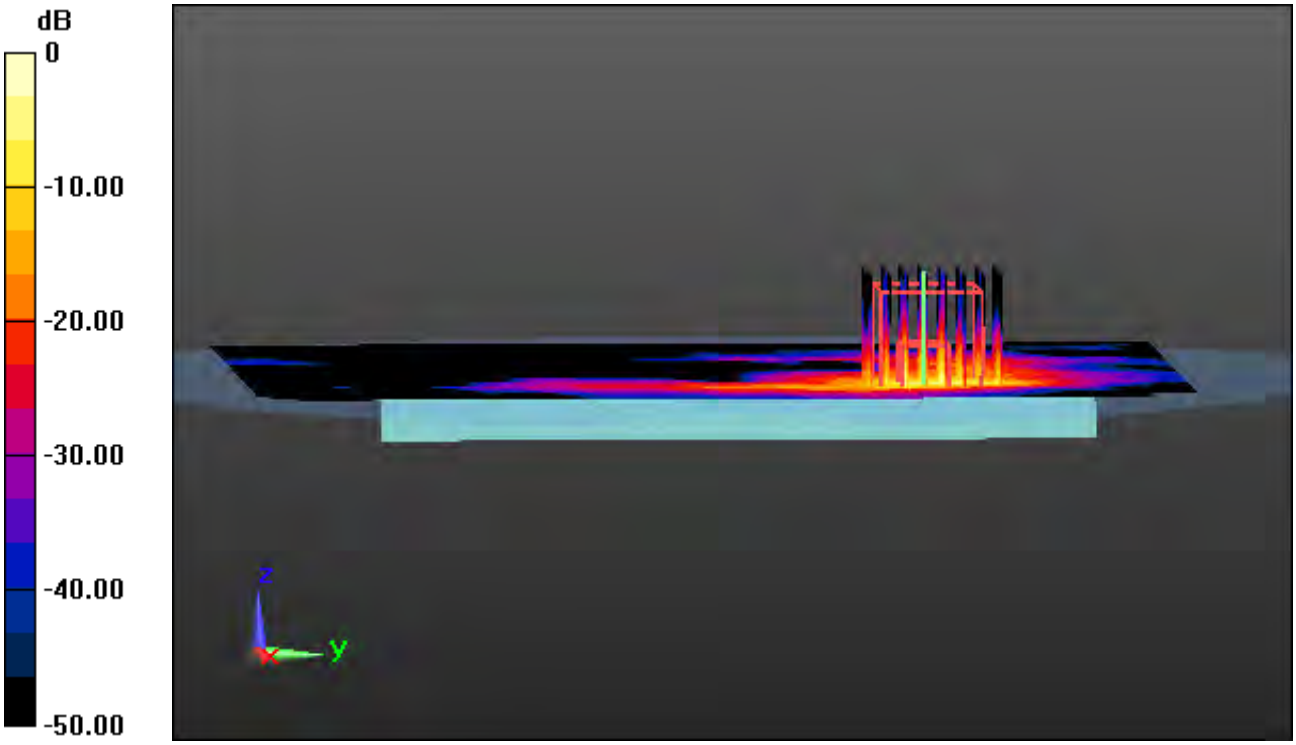
Communication System: UID 0, W-LAN_5 GHz(FCC) (0); Frequency: 5600 MHz; Duty Cycle: 1:1
Medium parameters used: f = 5600 MHz; σ = 5.986 S/m; ε_r = 47.106; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:
Probe: EX3DV4 - SN3866; ConvF(3.87, 3.87, 3.87); Calibrated: 5/31/2018; Electronics: DAE4 Sn1394
Sensor-Surface: 1.4mm (Mechanical Surface Detection)
Phantom: SAM-twin middle_2013_09_24; Type: QD000P40CD; Serial: 1782
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

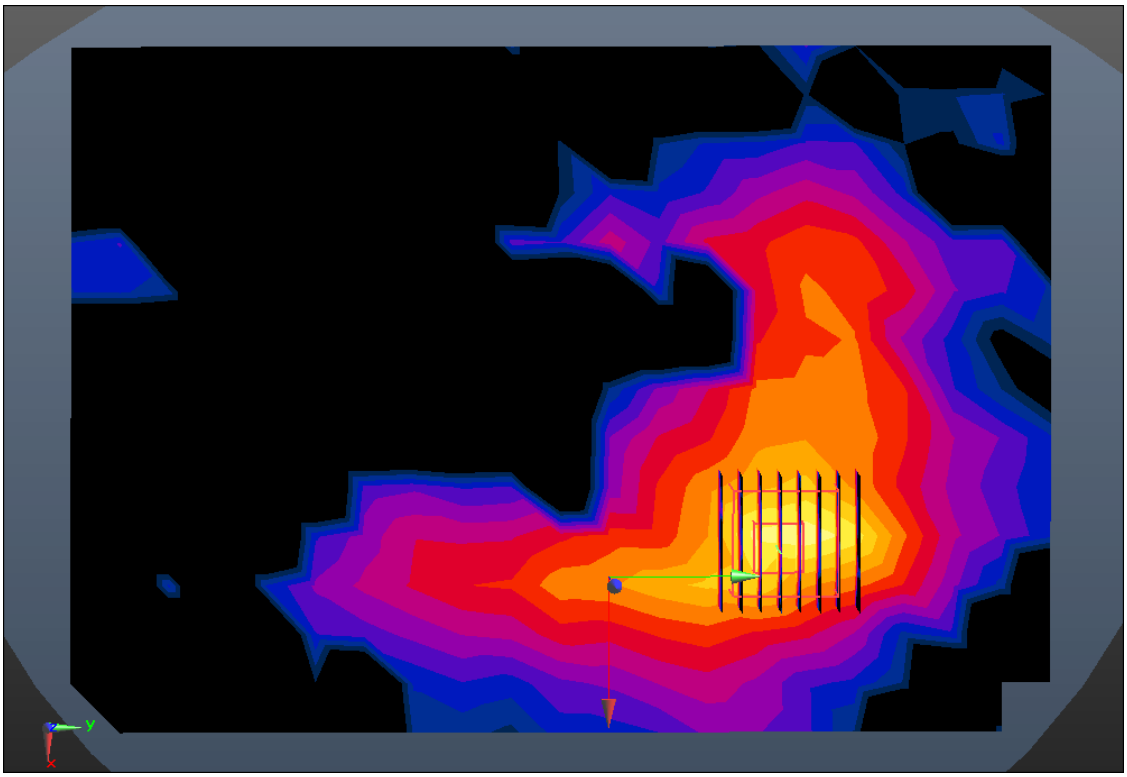
Test Date: 2018-09-13; Ambient Temp: 21.0; Tissue Temp: 21.3

Touch from Body, Rear, W-LAN(802.11a - 5.6G) Ch. 120, Ant Internal, MIMO

Area Scan (15x21x1): 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 = -0.15 dB
Peak SAR (extrapolated) = 62.6 W/kg
SAR(1 g) = 8.92 W/kg; SAR(10 g) = 1.58 W/kg



0 dB = 33.4 W/kg



Enlarged Plot for A55

DT&C Co., Ltd.

DUT: KX1801; Type: Bar

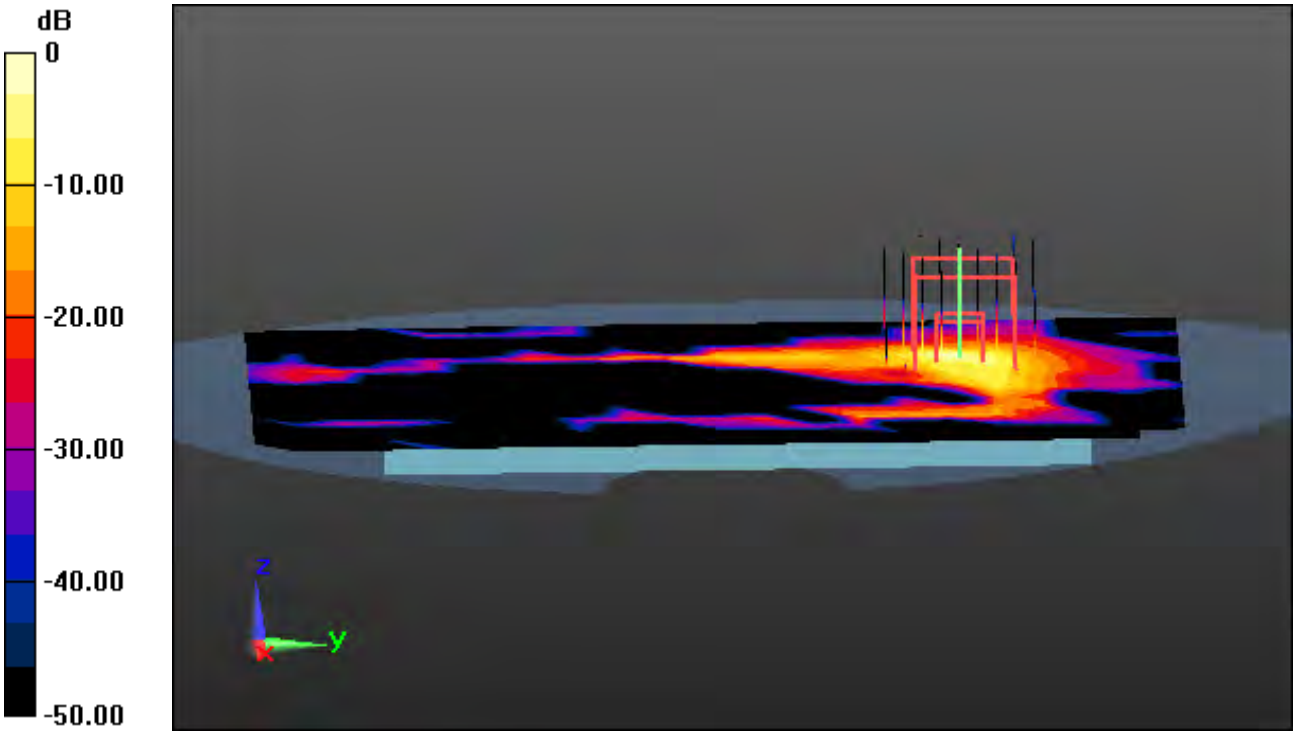
Communication System: UID 0, W-LAN_5 GHz(FCC) (0); Frequency: 5825 MHz; Duty Cycle: 1:1
Medium parameters used: f = 5825 MHz; σ = 6.136 S/m; ε_r = 47.925; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:
Probe: EX3DV4 - SN3866; ConvF(4.16, 4.16, 4.16); Calibrated: 5/31/2018; Electronics: DAE4 Sn1394
Sensor-Surface: 1.4mm (Mechanical Surface Detection)
Phantom: SAM-twin middle_2013_09_24; Type: QD000P40CD; Serial: 1782
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

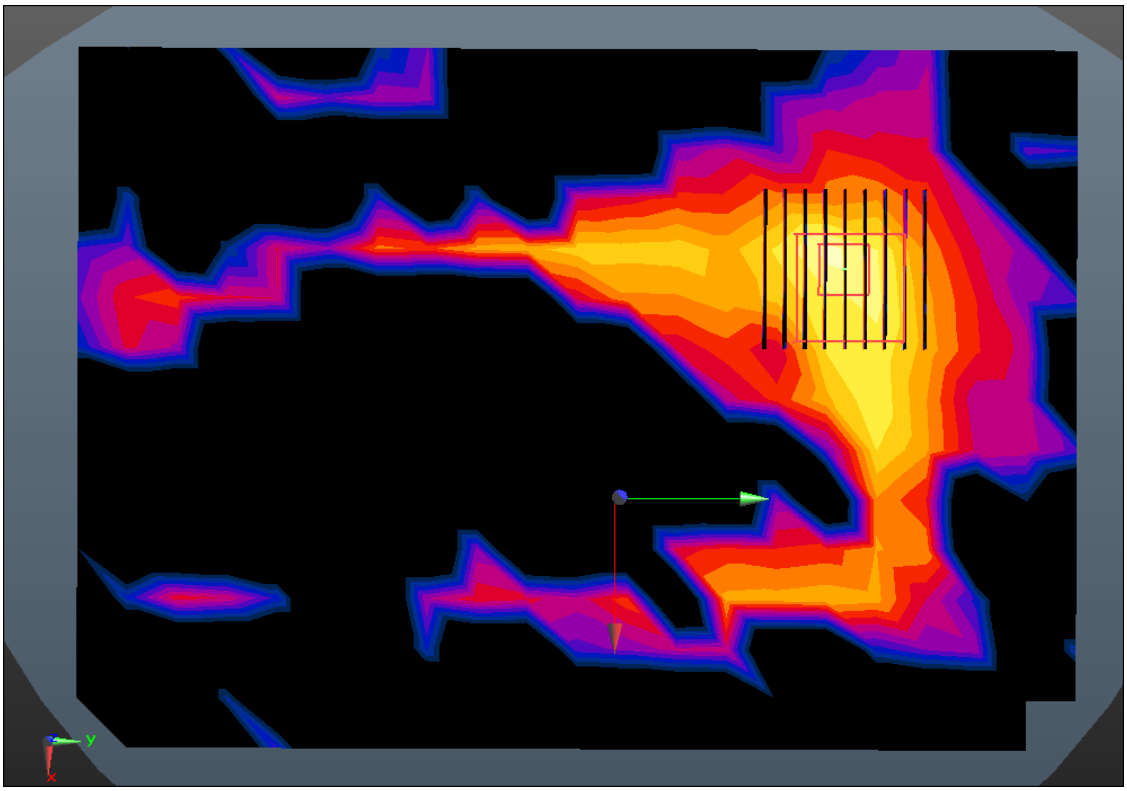
Test Date: 2018-09-11; Ambient Temp: 20.8; Tissue Temp: 21.4

Touch from Body, Front, W-LAN(802.11a - 5.8G) Ch. 165, Ant Internal, Ant.1

Area Scan (15x21x1): Measurement grid: dx=10mm, dy=10mm
Zoom Scan (9x9x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm, Graded Ratio: 1.4
Power Drift = 0.00 dB
Peak SAR (extrapolated) = 8.69 W/kg
SAR(1 g) = 1.24 W/kg; SAR(10 g) = 0.284 W/kg



0 dB = 4.44 W/kg



Enlarged Plot for A56

DT&C Co., Ltd.

DUT: KX1801; Type: Bar

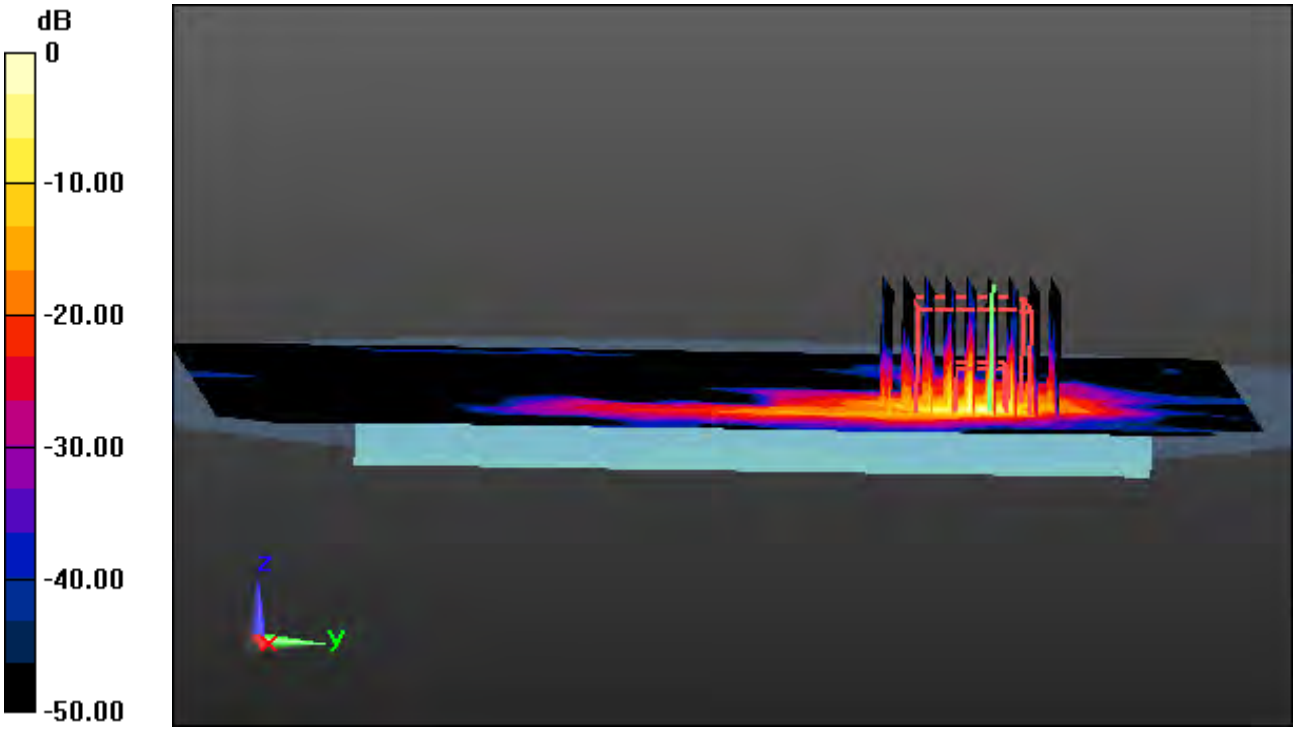
Communication System: UID 0, W-LAN_5 GHz(FCC) (0); Frequency: 5825 MHz; Duty Cycle: 1:1
Medium parameters used: f = 5825 MHz; σ = 6.136 S/m; ε_r = 47.925; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:
Probe: EX3DV4 - SN3866; ConvF(4.16, 4.16, 4.16); Calibrated: 5/31/2018; Electronics: DAE4 Sn1394
Sensor-Surface: 1.4mm (Mechanical Surface Detection)
Phantom: SAM-twin middle_2013_09_24; Type: QD000P40CD; Serial: 1782
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

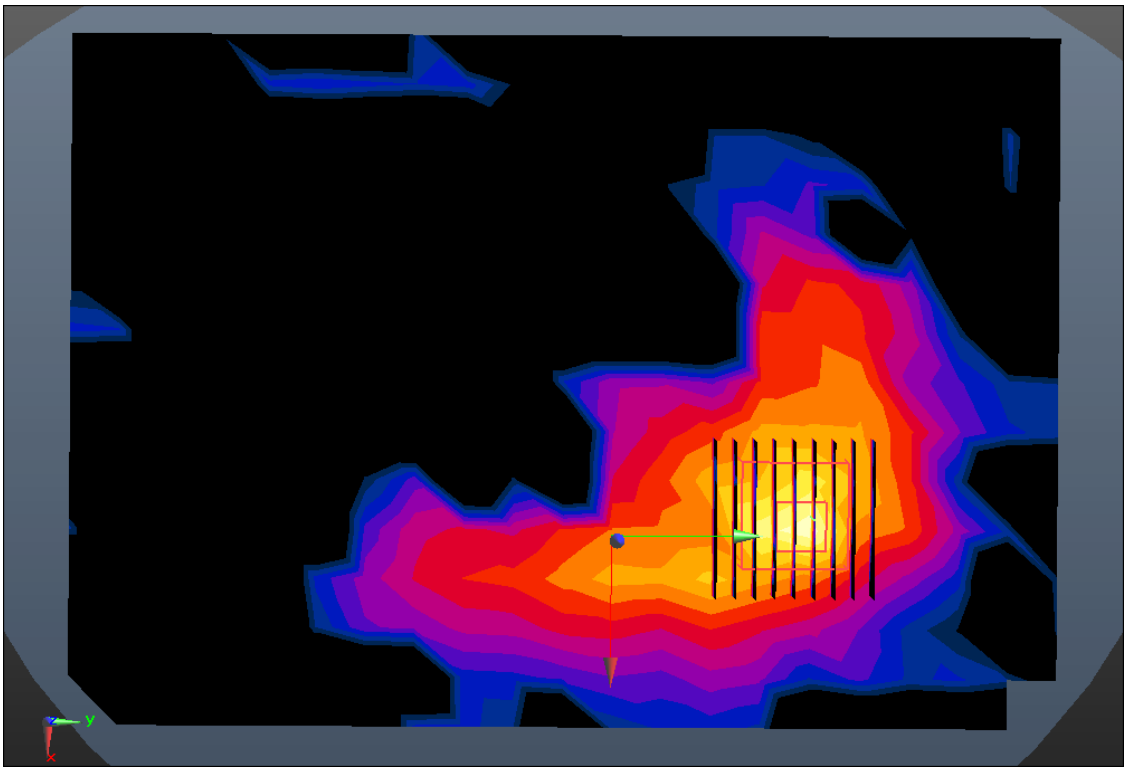
Test Date: 2018-09-11; Ambient Temp: 20.8; Tissue Temp: 21.4

Touch from Body, Rear, W-LAN(802.11a - 5.8G) Ch. 165, Ant Internal, Ant.2

Area Scan (15x21x1): Measurement grid: dx=10mm, dy=10mm
Zoom Scan (9x9x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm, Graded Ratio: 1.4
Power Drift = 0.00 dB
Peak SAR (extrapolated) = 48.3 W/kg
SAR(1 g) = 6.12 W/kg; SAR(10 g) = 1.11 W/kg



0 dB = 22.6 W/kg



Enlarged Plot for A57

DT&C Co., Ltd.

DUT: KX1801; Type: Bar

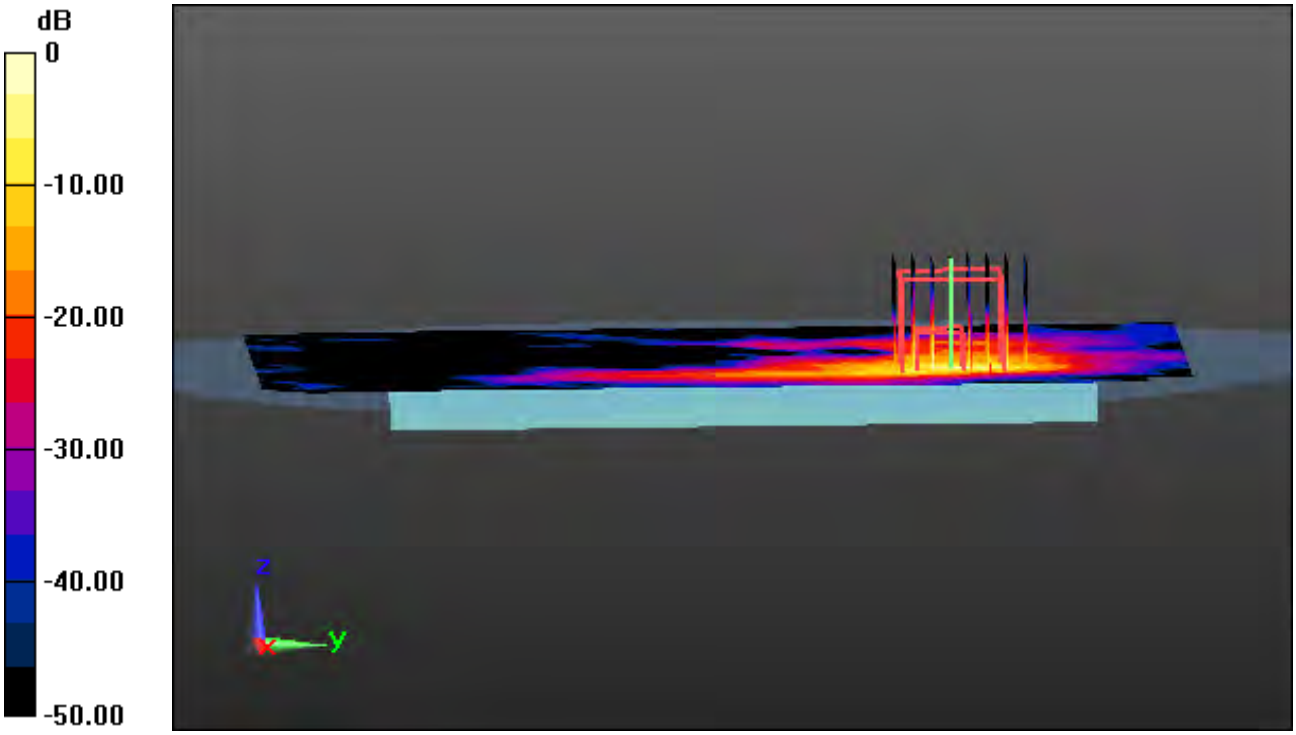
Communication System: UID 0, W-LAN_5 GHz(FCC) (0); Frequency: 5825 MHz; Duty Cycle: 1:1
Medium parameters used: f = 5825 MHz; σ = 6.136 S/m; ε_r = 47.925; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:
Probe: EX3DV4 - SN3866; ConvF(4.16, 4.16, 4.16); Calibrated: 5/31/2018; Electronics: DAE4 Sn1394
Sensor-Surface: 1.4mm (Mechanical Surface Detection)
Phantom: SAM-twin middle_2013_09_24; Type: QD000P40CD; Serial: 1782
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

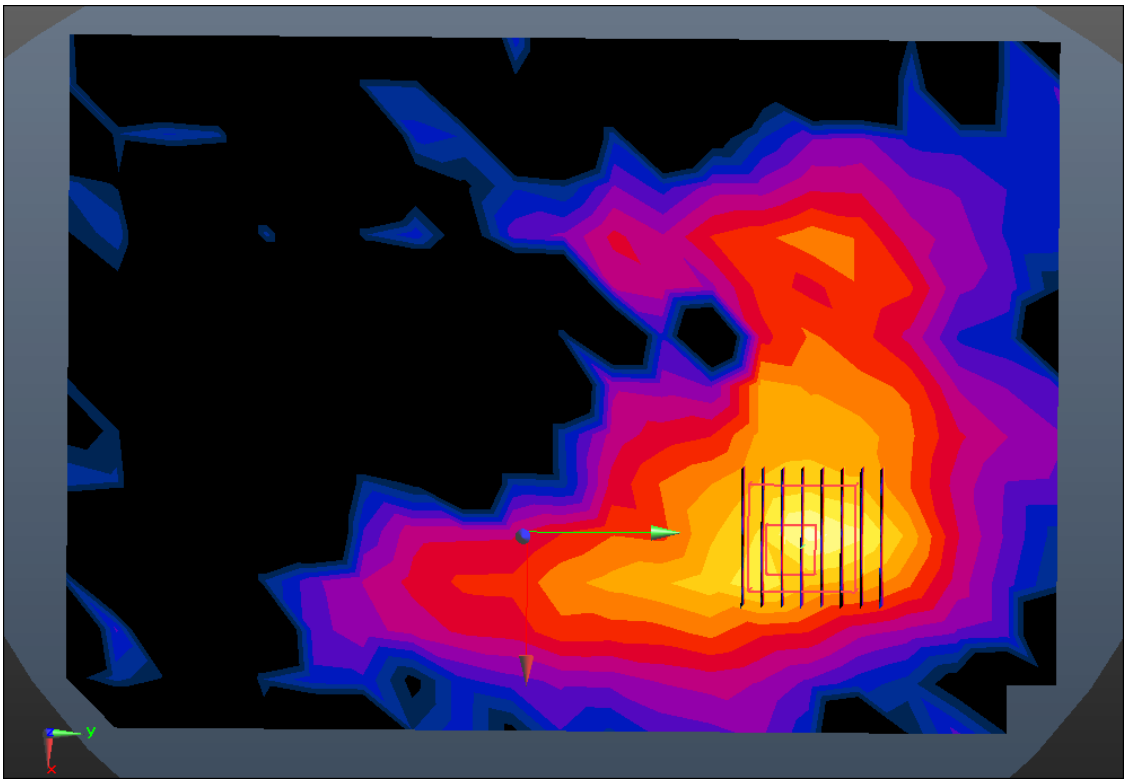
Test Date: 2018-09-11; Ambient Temp: 20.8; Tissue Temp: 21.4

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

Area Scan (15x21x1): 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) = 51.6 W/kg
SAR(1 g) = 6.29 W/kg; SAR(10 g) = 1.19 W/kg



0 dB = 22.2 W/kg



Enlarged Plot for A58