SAR Plots

- Verification Plots
- SAR Test Plots

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

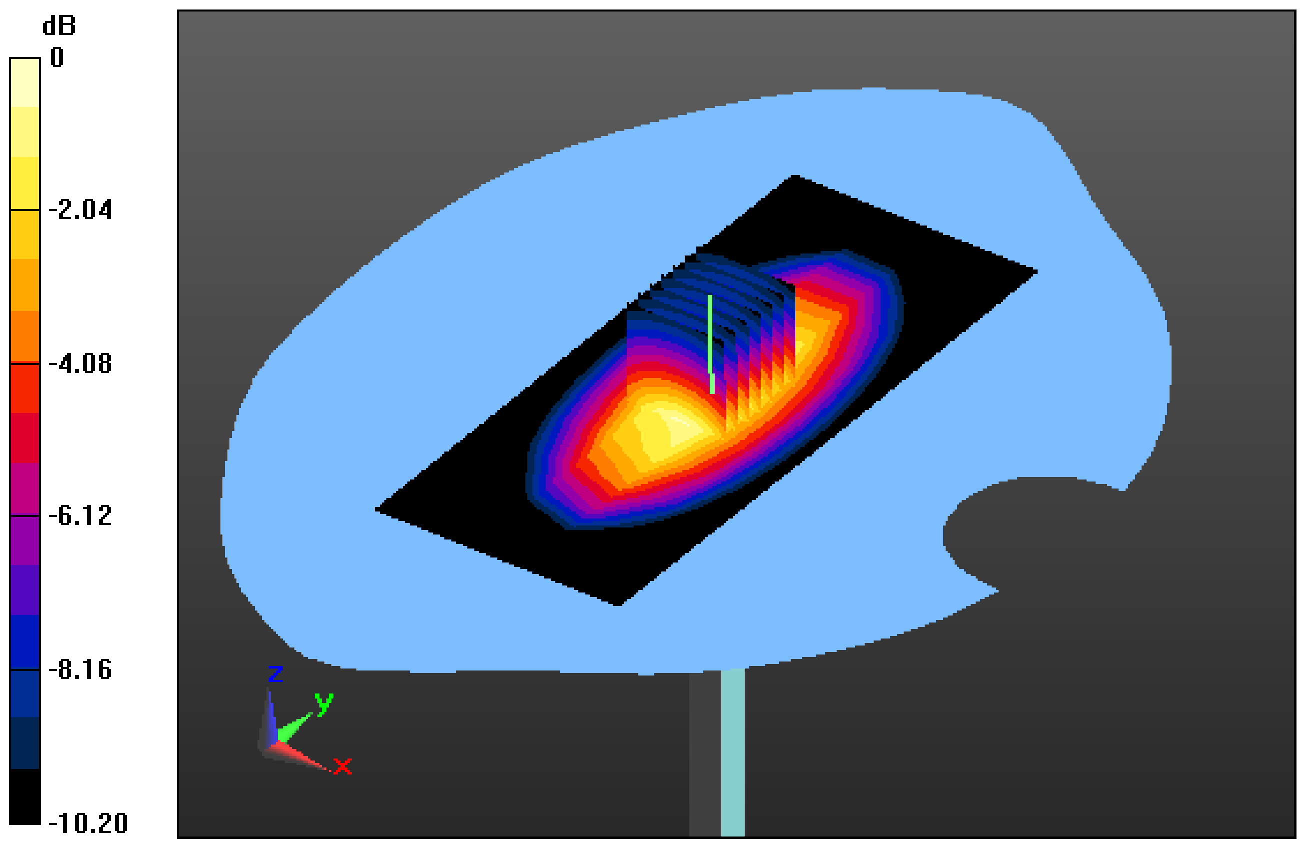
Communication System: UID 0, CW (0); Frequency: 835 MHz;Duty Cycle: 1:1
Medium parameters used: f = 835 MHz; $\sigma = 0.874$ S/m; $\varepsilon_r = 41.209$; $\rho = 1000$ kg/m^3
Phantom section: Flat Section

DASY5 Configuration:
Probe: EX3DV4 - SN7337; ConvF(10.16, 10.16, 10.16); Calibrated: 11/22/2018; Electronics: DAE4 Sn1392
Sensor-Surface: 2mm (Mechanical Surface Detection)
Phantom: SAM_Right_20170922; Type: QD000P40CD; Serial: 1895
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7372)

Test Date: 2019-01-04; Ambient Temp: 22.5; Tissue Temp: 22.3

835 MHz System Head Verification (250 mW)

Area Scan (6x13x1): 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) = 3.25 W/kg
SAR(1 g) = 2.22 W/kg; SAR(10 g) = 1.46 W/kg



0 dB = 2.79 W/kg

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

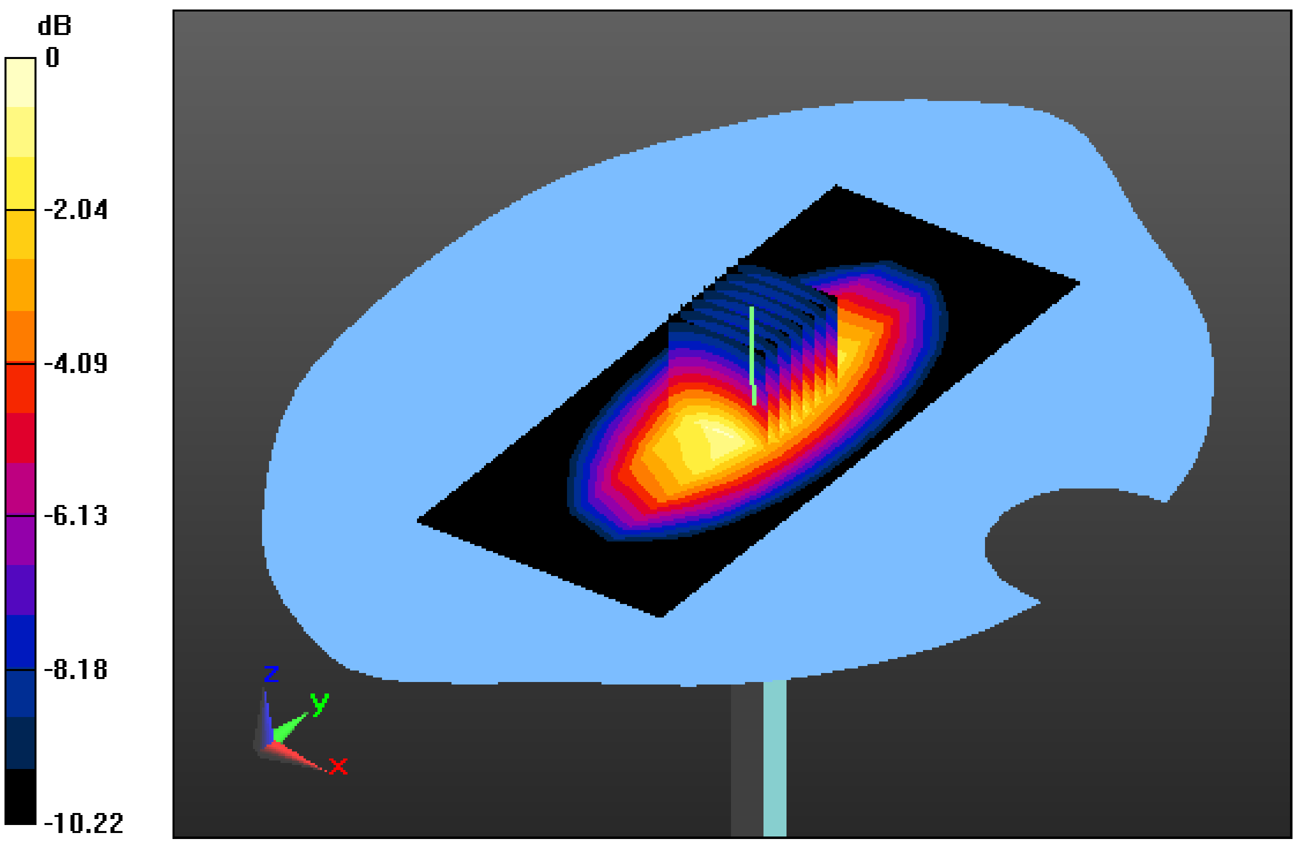
Communication System: UID 0, CW (0); Frequency: 835 MHz;Duty Cycle: 1:1
Medium parameters used: f = 835 MHz; σ = 0.991 S/m; ε_r = 54.2; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:
Probe: EX3DV4 - SN7337; ConvF(10.23, 10.23, 10.23); Calibrated: 11/22/2018; Electronics: DAE4 Sn1392
Sensor-Surface: 2mm (Mechanical Surface Detection)
Phantom: SAM_Right_20170922; Type: QD000P40CD; Serial: 1895
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7372)

Test Date: 2019-01-08; Ambient Temp: 22.5; Tissue Temp: 22.4

835 MHz System Body Verification (250 mW)

Area Scan (6x13x1): Measurement grid: dx=15mm, dy=15mm
Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Power Drift = -0.14 dB
Peak SAR (extrapolated) = 3.64 W/kg
SAR(1 g) = 2.47 W/kg; SAR(10 g) = 1.63 W/kg



0 dB = 3.11 W/kg

DT&C Co., Ltd.

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

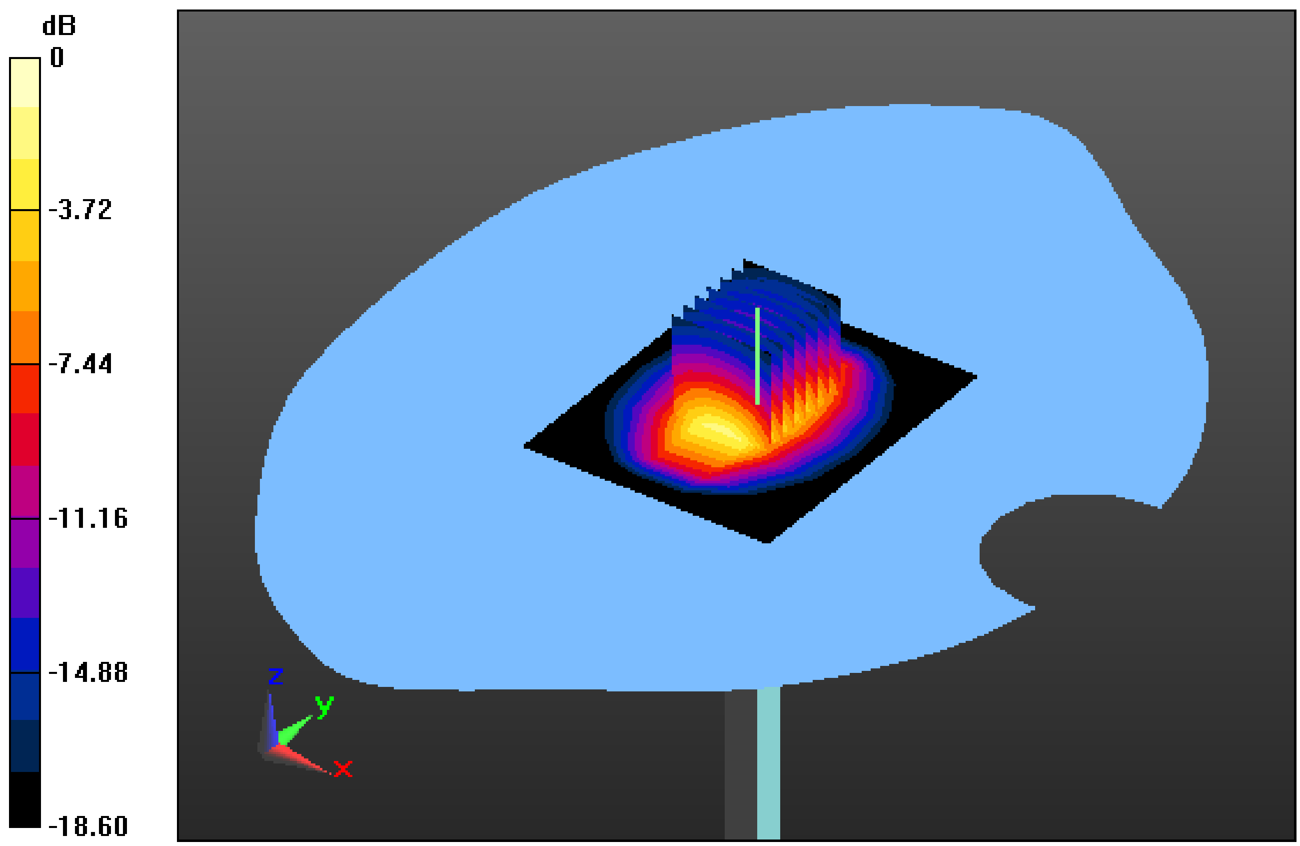
Communication System: UID 0, CW (0); Frequency: 1900 MHz;Duty Cycle: 1:1
Medium parameters used: f = 1900 MHz; σ = 1.416 S/m; ε_r = 39.265; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:
Probe: EX3DV4 - SN7337; ConvF(8.49, 8.49, 8.49); Calibrated: 11/22/2018; Electronics: DAE4 Sn1392
Sensor-Surface: 2mm (Mechanical Surface Detection)
Phantom: SAM_Right_20170922; Type: QD000P40CD; Serial: 1895
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7372)

Test Date: 2019-01-07; Ambient Temp: 22.8; Tissue Temp: 22.7

1900 MHz System Head Verification (100 mW)

Area Scan (6x7x1): Measurement grid: dx=15mm, dy=15mm
Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Power Drift = -0.00 dB
Peak SAR (extrapolated) = 7.74 W/kg
SAR(1 g) = 4.09 W/kg; SAR(10 g) = 2.1 W/kg



0 dB = 5.92 W/kg

DT&C Co., Ltd.

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

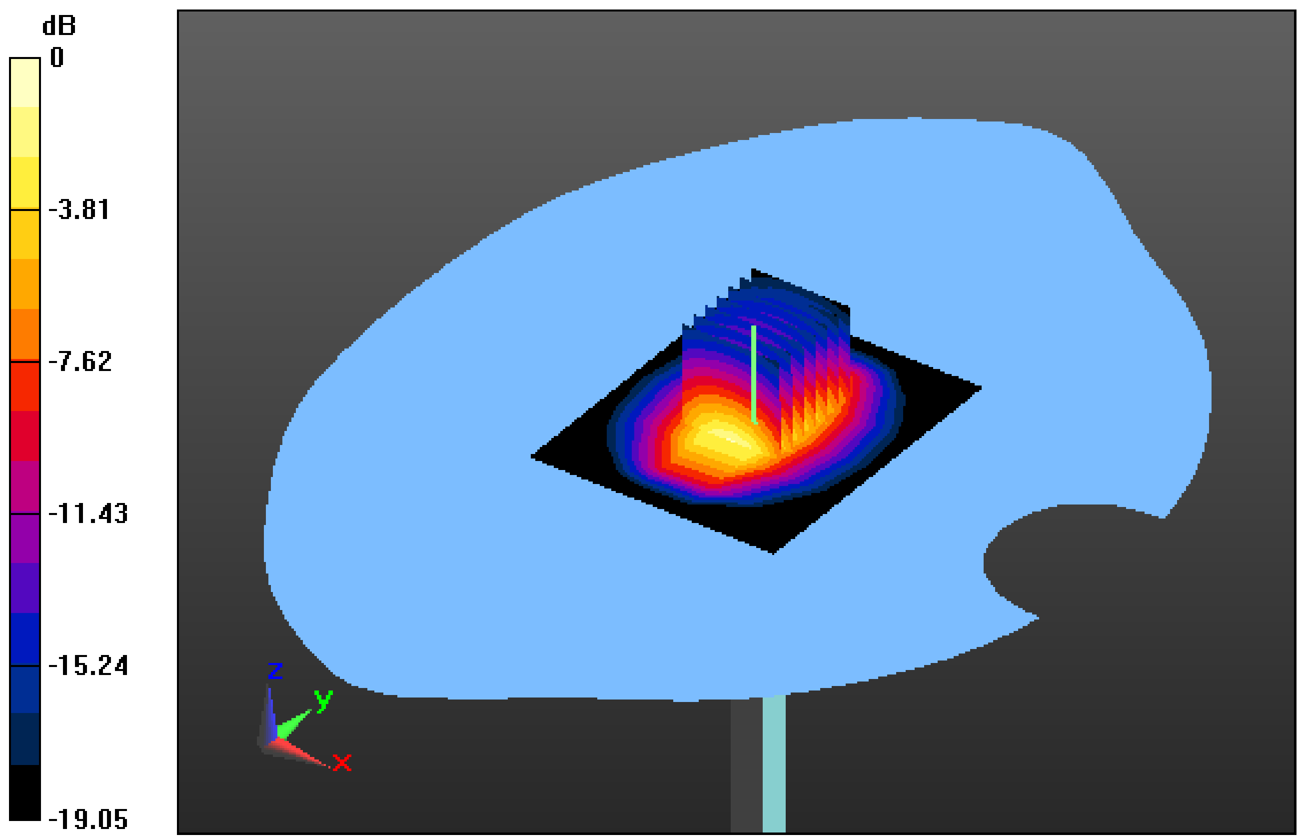
Communication System: UID 0, CW (0); Frequency: 1900 MHz;Duty Cycle: 1:1
Medium parameters used: f = 1900 MHz; σ = 1.561 S/m; ε_r = 51.338; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:
Probe: EX3DV4 - SN7337; ConvF(8.03, 8.03, 8.03); Calibrated: 11/22/2018; Electronics: DAE4 Sn1392
Sensor-Surface: 2mm (Mechanical Surface Detection)
Phantom: SAM_Right_20170922; Type: QD000P40CD; Serial: 1895
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7372)

Test Date: 2019-01-03; Ambient Temp: 22.4; Tissue Temp: 22.5

1900 MHz System Body Verification (100 mW)

Area Scan (6x7x1): Measurement grid: dx=15mm, dy=15mm
Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Power Drift = -0.02 dB
Peak SAR (extrapolated) = 7.39 W/kg
SAR(1 g) = 3.93 W/kg; SAR(10 g) = 2.02 W/kg



0 dB = 5.71 W/kg

DT&C Co., Ltd.

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

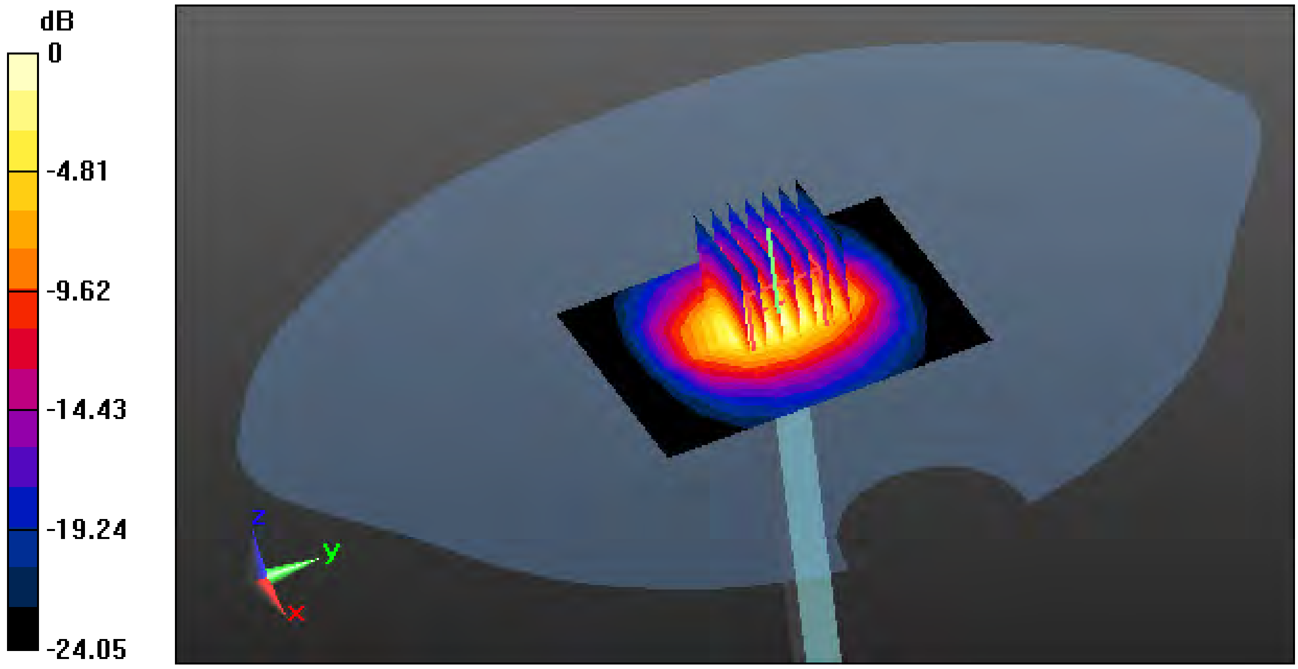
Communication System: UID 0, CW (0); Frequency: 2450 MHz; Duty Cycle: 1:1
Medium parameters used: f = 2450 MHz; σ = 1.765 S/m; ε_r = 39.798; ρ = 1000 kg/m^3
Phantom section: Flat Section

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

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

2450 MHz System Head Verification (100 mW)

Area Scan (7x9x1): Measurement grid: dx=12mm, dy=12mm
Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Power Drift = 0.07 dB
Peak SAR (extrapolated) = 11.9 W/kg
SAR(1 g) = 5.03 W/kg; SAR(10 g) = 2.37 W/kg



0 dB = 12.6 W/kg

DT&C Co., Ltd.

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

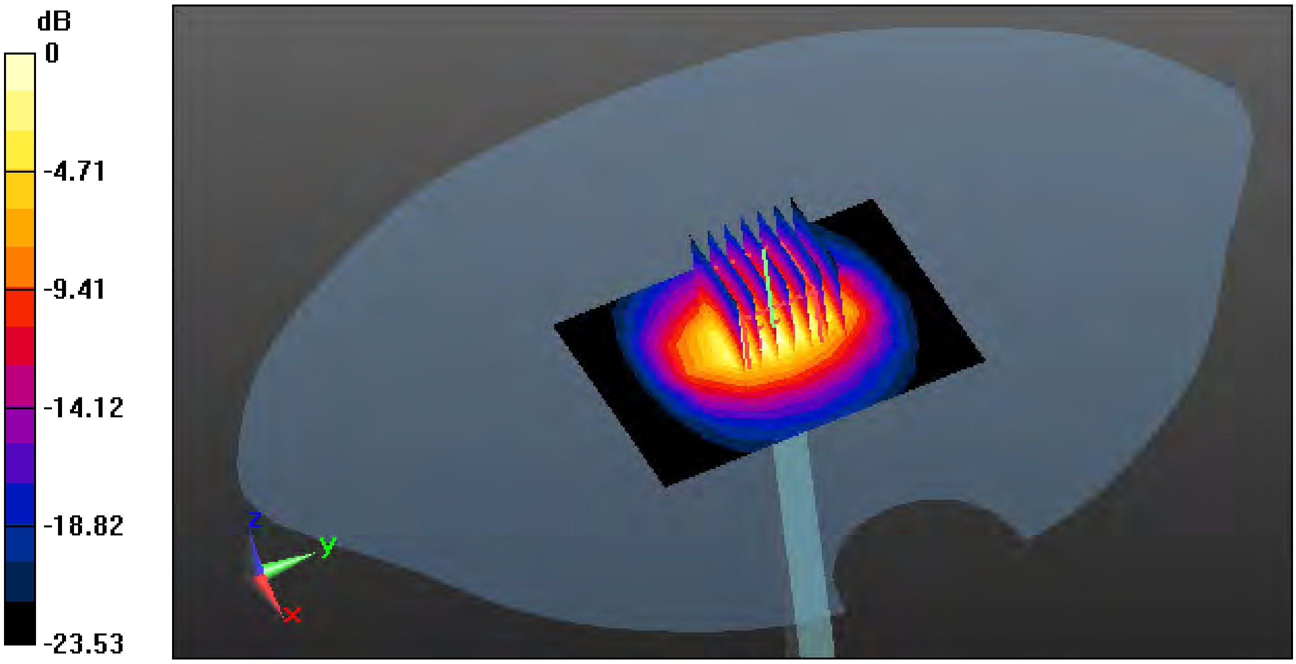
Communication System: UID 0, CW; Frequency: 2450 MHz; Duty Cycle: 1:1
Medium parameters used: f = 2450 MHz; σ = 1.953 S/m; ε_r = 54.323; ρ = 1000 kg/m^3
Phantom section: Flat Section

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

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

2450 MHz System Body Verification (100 mW)

Area Scan (7x9x1): Measurement grid: dx=12mm, dy=12mm
Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Power Drift = -0.01 dB
Peak SAR (extrapolated) = 12.2 W/kg
SAR(1 g) = 5.18 W/kg; SAR(10 g) = 2.41 W/kg



0 dB = 13.1 W/kg

DT&C Co., Ltd.

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

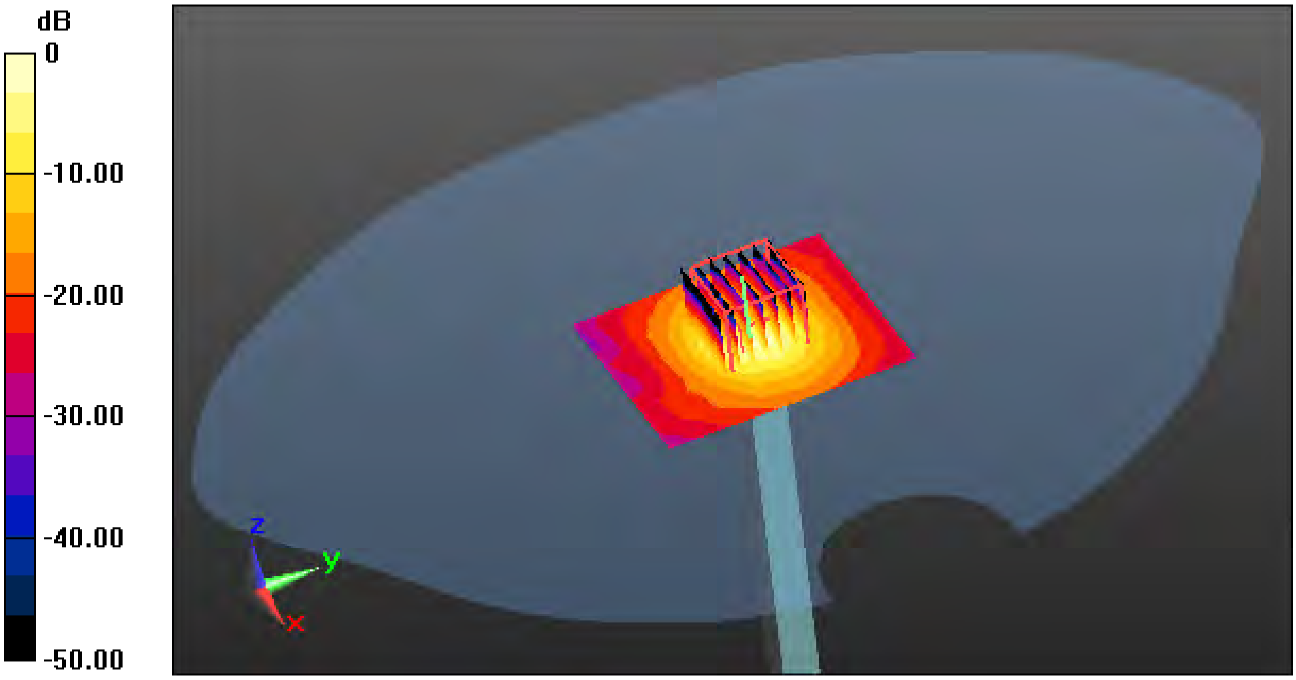
Communication System: UID 0, CW; Frequency: 5200 MHz; Duty Cycle: 1:1
Medium parameters used: f = 5200 MHz; σ = 5.285 S/m; ε_r = 49.028; ρ = 1000 kg/m^3
Phantom section: Flat Section

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

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

5200 MHz System Body Verification (100 mW)

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



0 dB = 17.3 W/kg

DT&C Co., Ltd.

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

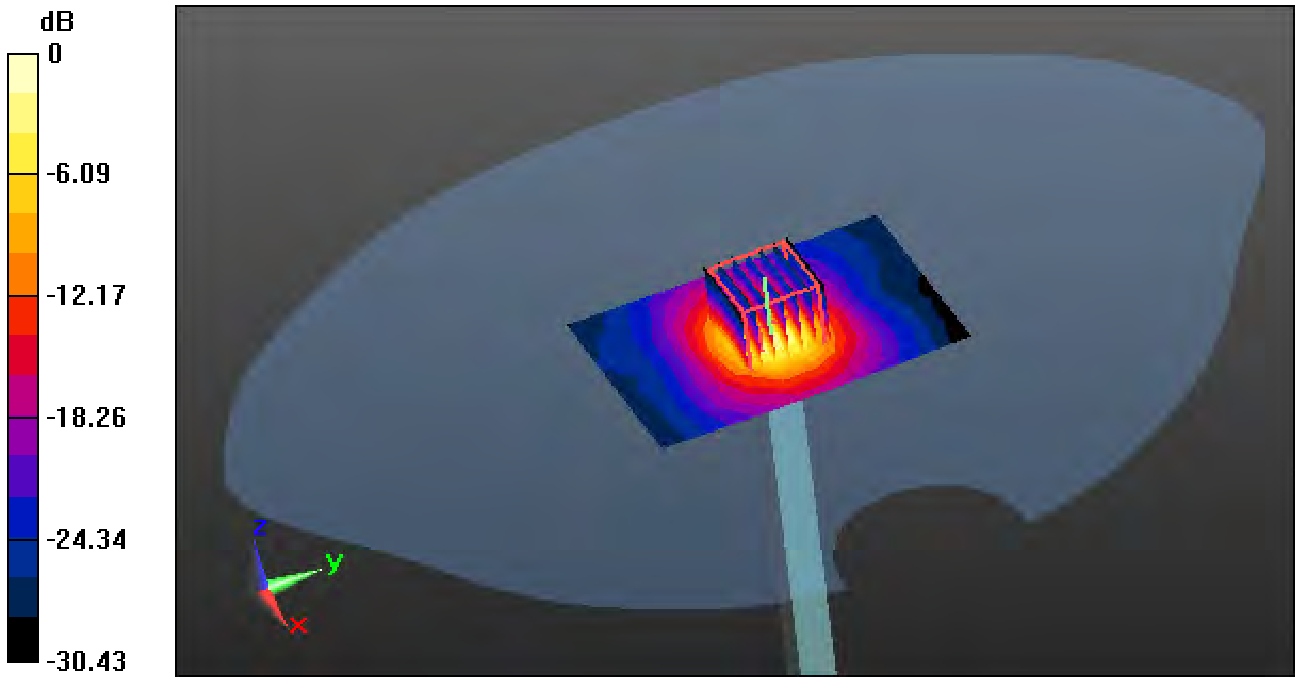
Communication System: UID 0, CW (0); Frequency: 5300 MHz; Duty Cycle: 1:1
Medium parameters used: f = 5300 MHz; $\sigma = 4.601$ S/m; $\varepsilon_r = 35.254$; $\rho = 1000$ kg/m^3
Phantom section: Flat Section

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

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

5300 MHz System Head Verification (100 mW)

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



0 dB = 19.6 W/kg

DT&C Co., Ltd.

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

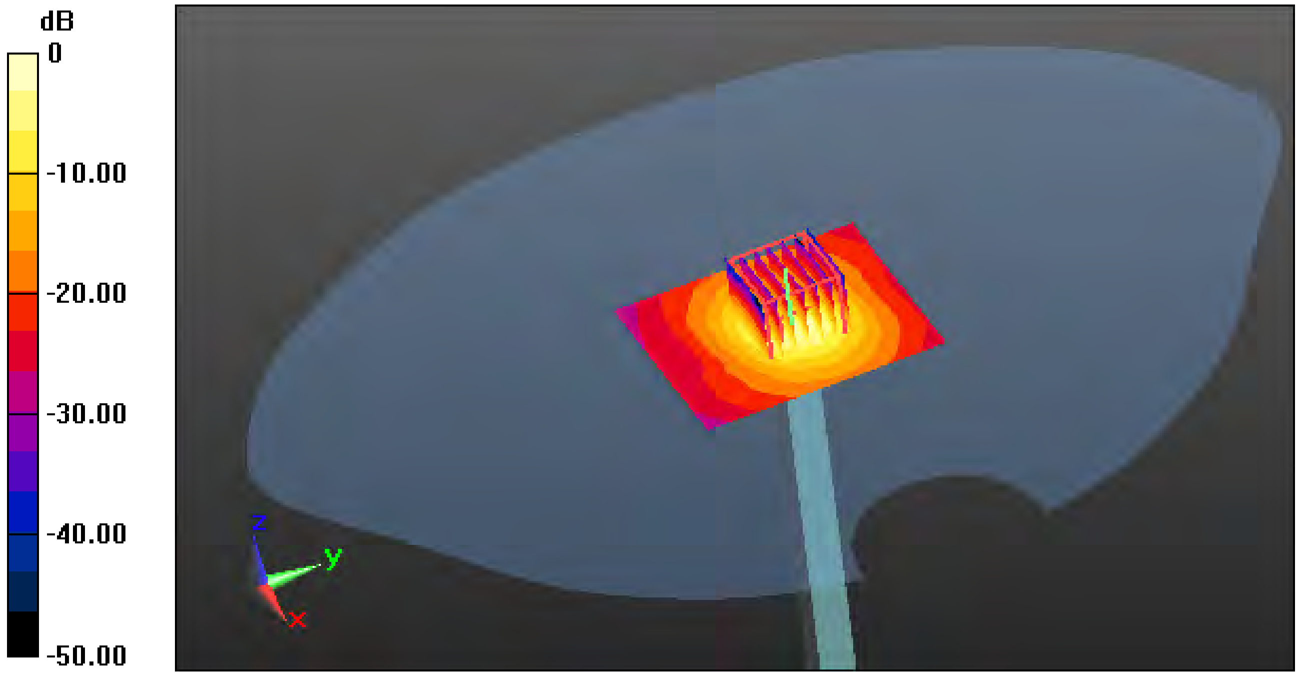
Communication System: UID 0, CW (0); Frequency: 5300 MHz; Duty Cycle: 1:1
Medium parameters used: f = 5300 MHz; σ = 5.403 S/m; ε_r = 48.515; ρ = 1000 kg/m^3
Phantom section: Flat Section

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

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

5300 MHz System Body Verification (100 mW)

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



0 dB = 18.4 W/kg

DT&C Co., Ltd.

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

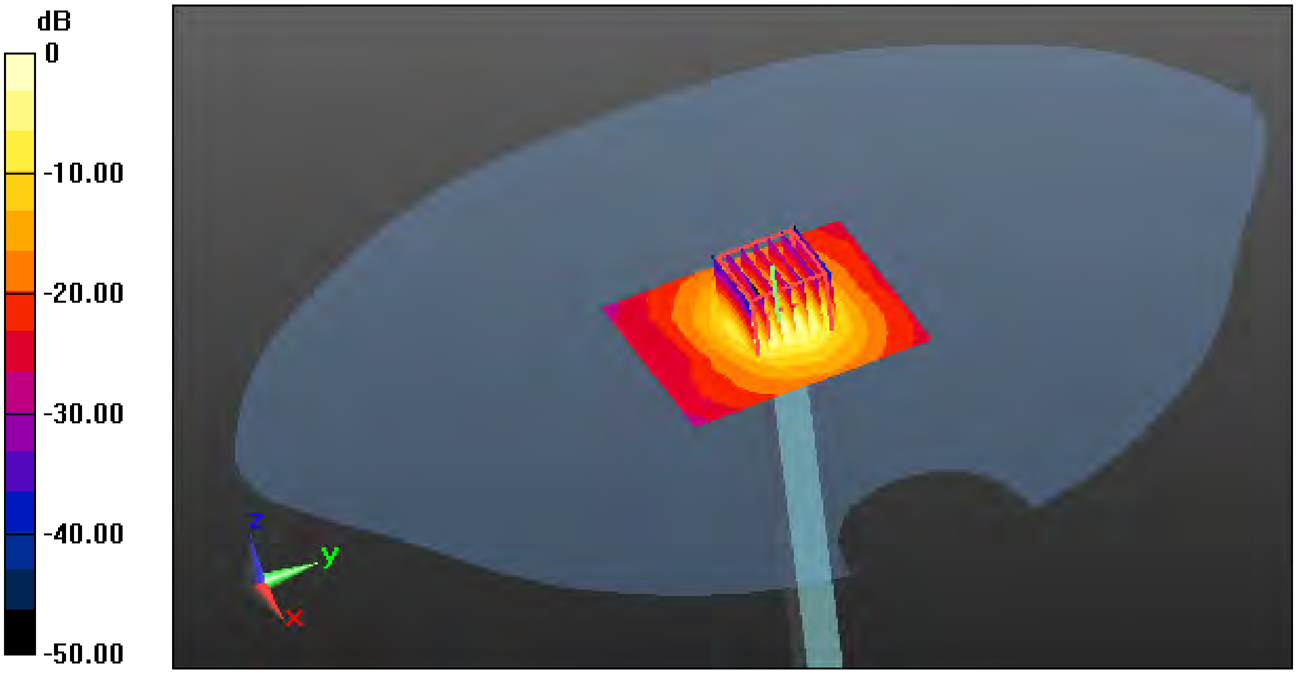
Communication System: UID 0, CW (0); Frequency: 5500 MHz; Duty Cycle: 1:1
Medium parameters used: f = 5500 MHz; σ = 4.812 S/m; ε_r = 35.225; ρ = 1000 kg/m^3
Phantom section: Flat Section

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

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

5500 MHz System Head Verification (100 mW)

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



0 dB = 20.5 W/kg

DT&C Co., Ltd.

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

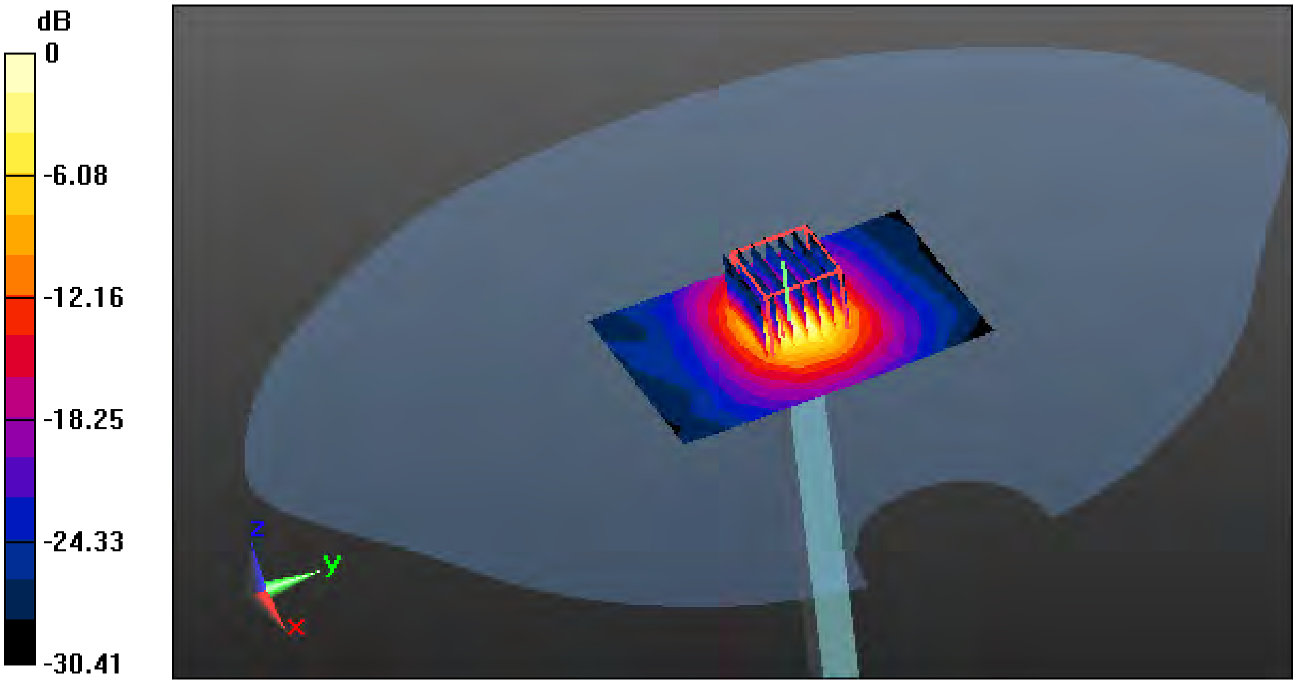
Communication System: UID 0, CW (0); Frequency: 5500 MHz; Duty Cycle: 1:1
Medium parameters used: f = 5500 MHz; σ = 5.46 S/m; ε_r = 47.375; ρ = 1000 kg/m^3
Phantom section: Flat Section

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

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

5500 MHz System Body Verification (100 mW)

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



0 dB = 19.2 W/kg

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

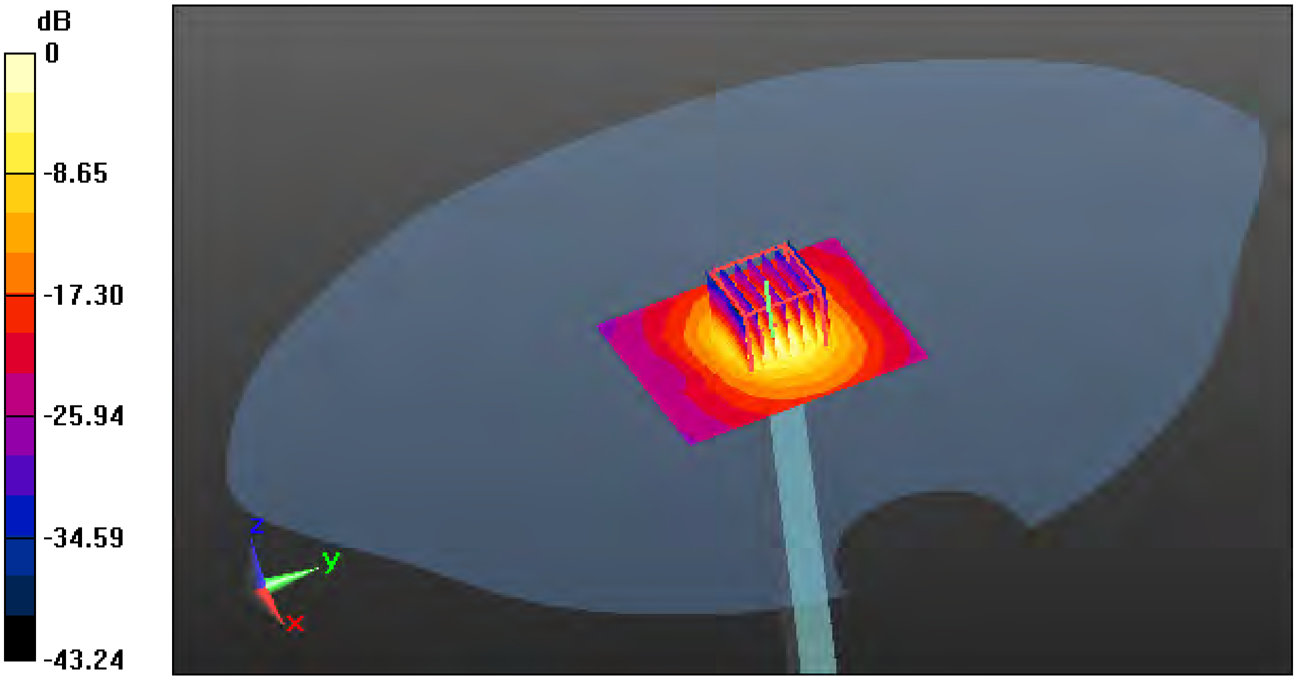
Communication System: UID 0, CW (0); Frequency: 5800 MHz; Duty Cycle: 1:1
Medium parameters used: f = 5800 MHz; σ = 5.111 S/m; ε_r = 34.599; ρ = 1000 kg/m^3
Phantom section: Flat Section

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

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

5800 MHz System Head Verification (100 mW)

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



0 dB = 19.1 W/kg

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

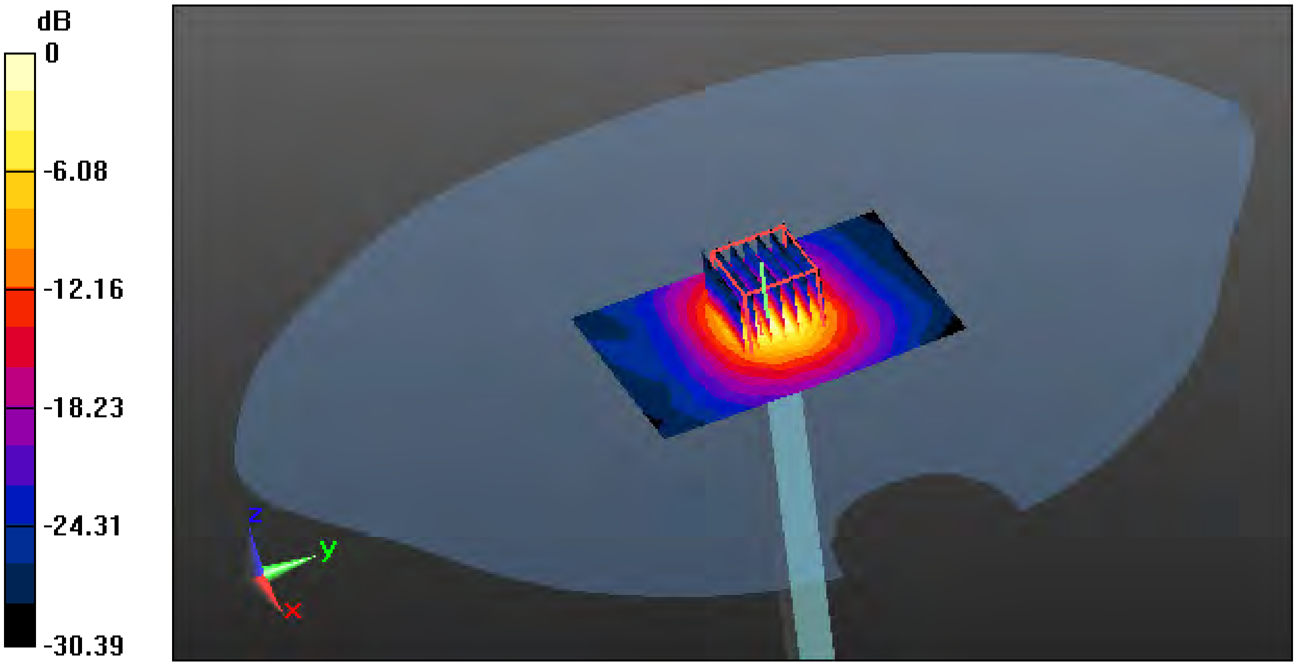
Communication System: UID 0, CW (0); Frequency: 5800 MHz; Duty Cycle: 1:1
Medium parameters used: f = 5800 MHz; σ = 5.899 S/m; ε_r = 46.863; ρ = 1000 kg/m^3
Phantom section: Flat Section

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

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

5800 MHz System Body Verification (100 mW)

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



0 dB = 19.0 W/kg

DUT: LM-X420EM; Type: Bar

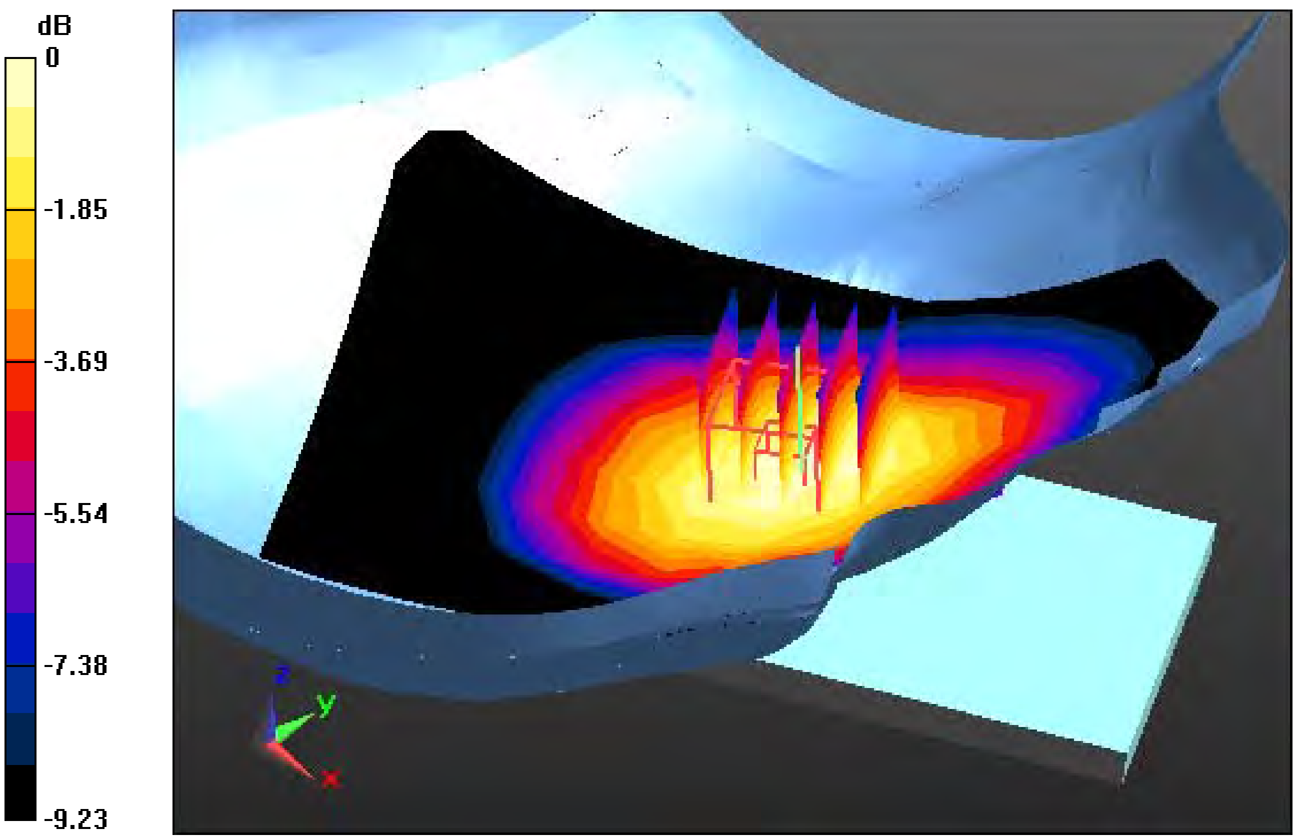
Communication System: UID 0, GSM 850 (0); Frequency: 836.6 MHz;Duty Cycle: 1:8.3
Medium parameters used: f = 836.6 MHz; σ = 0.876 S/m; ε_r = 41.193; ρ = 1000 kg/m^3
Phantom section: Right Section

DASY5 Configuration:
Probe: EX3DV4 - SN7337; ConvF(10.16, 10.16, 10.16); Calibrated: 11/22/2018; Electronics: DAE4 Sn1392
Sensor-Surface: 2mm (Mechanical Surface Detection)
Phantom: SAM_Right_20170922; Type: QD000P40CD; Serial: 1895
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7372)

Test Date: 2019-01-04; Ambient Temp: 22.5; Tissue Temp: 22.3

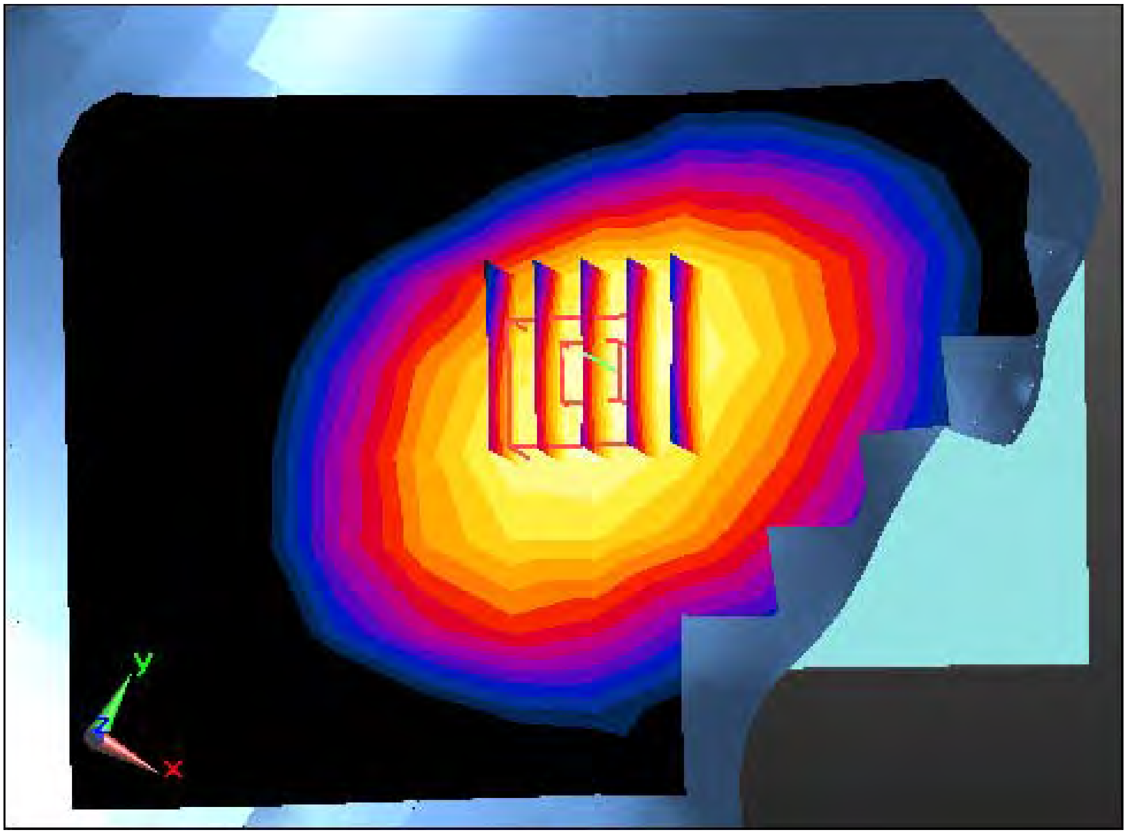
Right Touch, GSM850 Ch. 190, Ant Internal, Standard Battery

Area Scan (9x14x1): Measurement grid: dx=15mm, dy=15mm
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Power Drift = 0.03 dB
Peak SAR (extrapolated) = 0.269 W/kg
SAR(1 g) = 0.218 W/kg; SAR(10 g) = 0.170 W/kg



0 dB = 0.245 W/kg

-



Enlarged Plot for A1

DT&C Co., Ltd.

DUT: LM-X420EM; Type: Bar

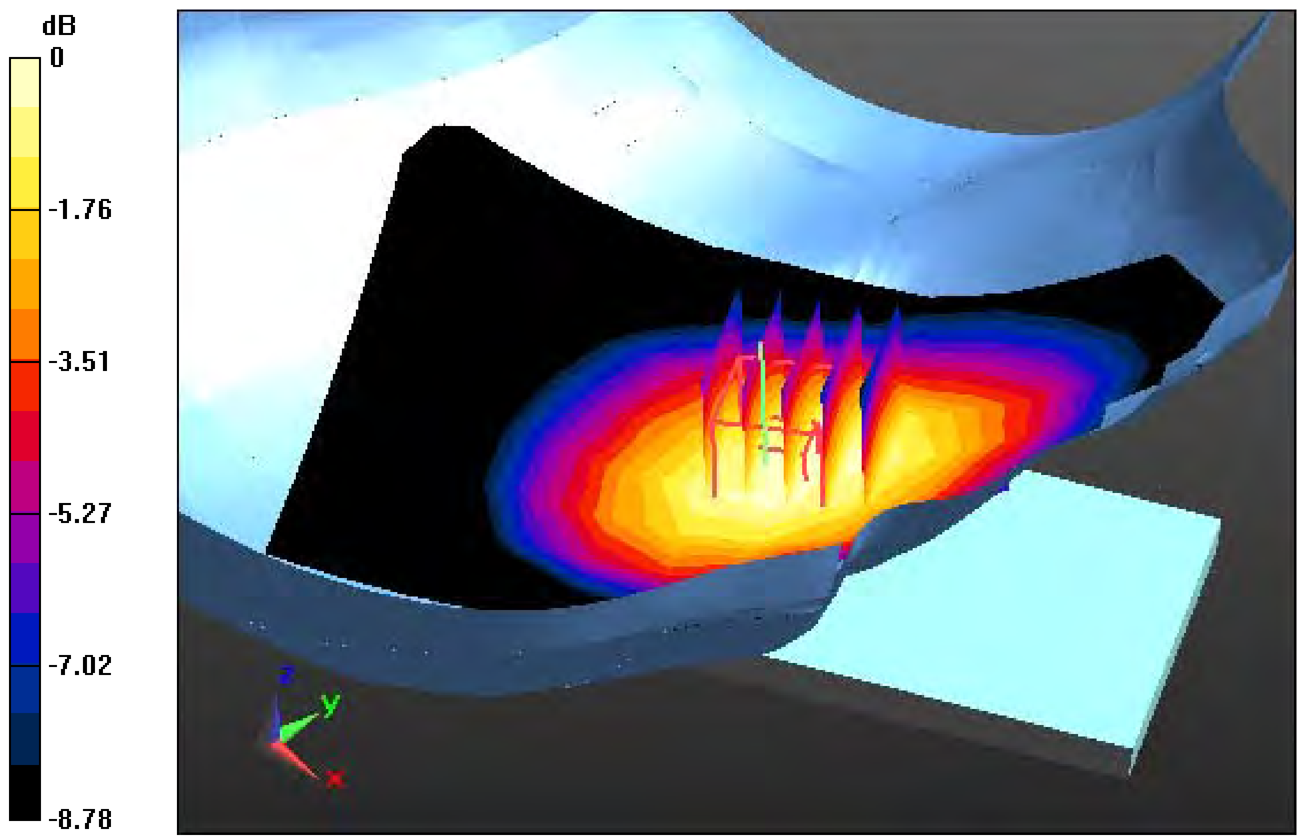
Communication System: UID 0, GSM 850_12 (0); Frequency: 836.6 MHz;Duty Cycle: 1:2.075
Medium parameters used: f = 836.6 MHz; σ = 0.876 S/m; ε_r = 41.193; ρ = 1000 kg/m^3
Phantom section: Right Section

DASY5 Configuration:
Probe: EX3DV4 - SN7337; ConvF(10.16, 10.16, 10.16); Calibrated: 11/22/2018; Electronics: DAE4 Sn1392
Sensor-Surface: 2mm (Mechanical Surface Detection)
Phantom: SAM_Right_20170922; Type: QD000P40CD; Serial: 1895
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7372)

Test Date: 2019-01-04; Ambient Temp: 22.5; Tissue Temp: 22.3

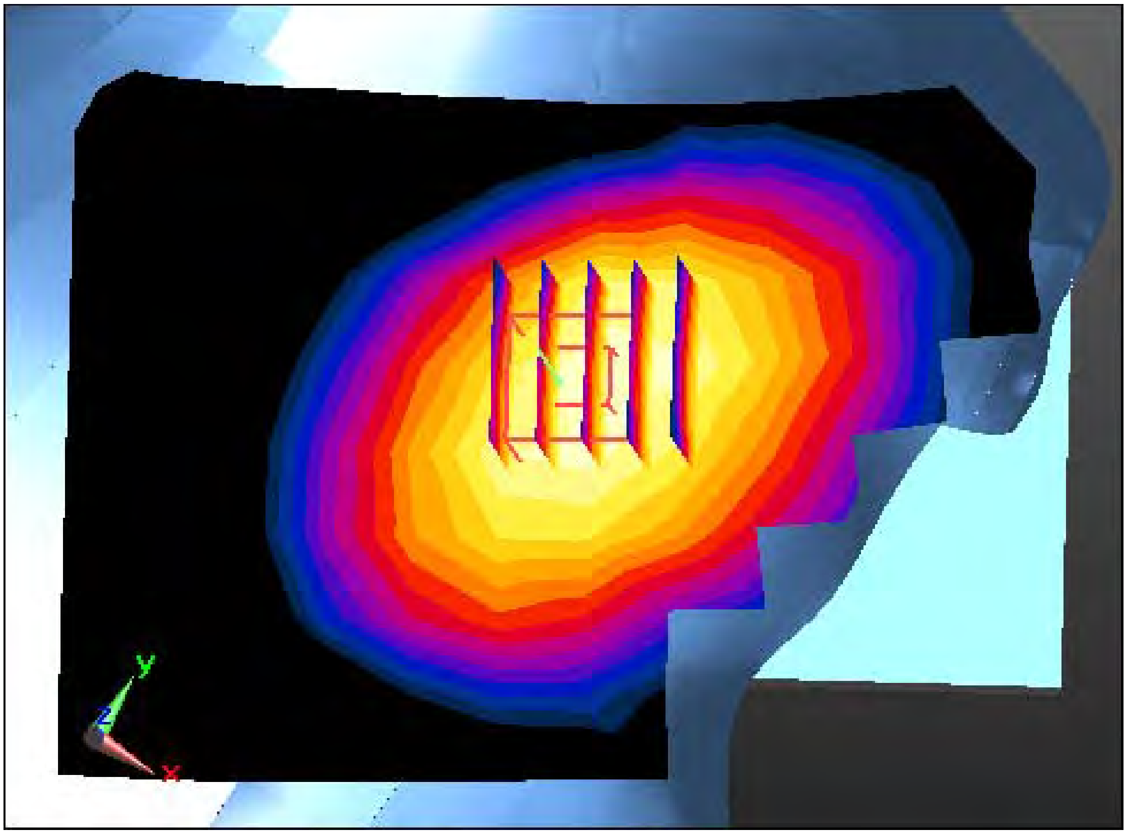
Right Touch, GSM850 GPRS 4 Tx Ch. 190, Ant Internal, Standard Battery

Area Scan (9x14x1): Measurement grid: dx=15mm, dy=15mm
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Power Drift = 0.03 dB
Peak SAR (extrapolated) = 0.313 W/kg
SAR(1 g) = 0.255 W/kg; SAR(10 g) = 0.198 W/kg



0 dB = 0.286 W/kg

A2



Enlarged Plot for A2

DT&C Co., Ltd.

DUT: LM-X420EM; Type: Bar

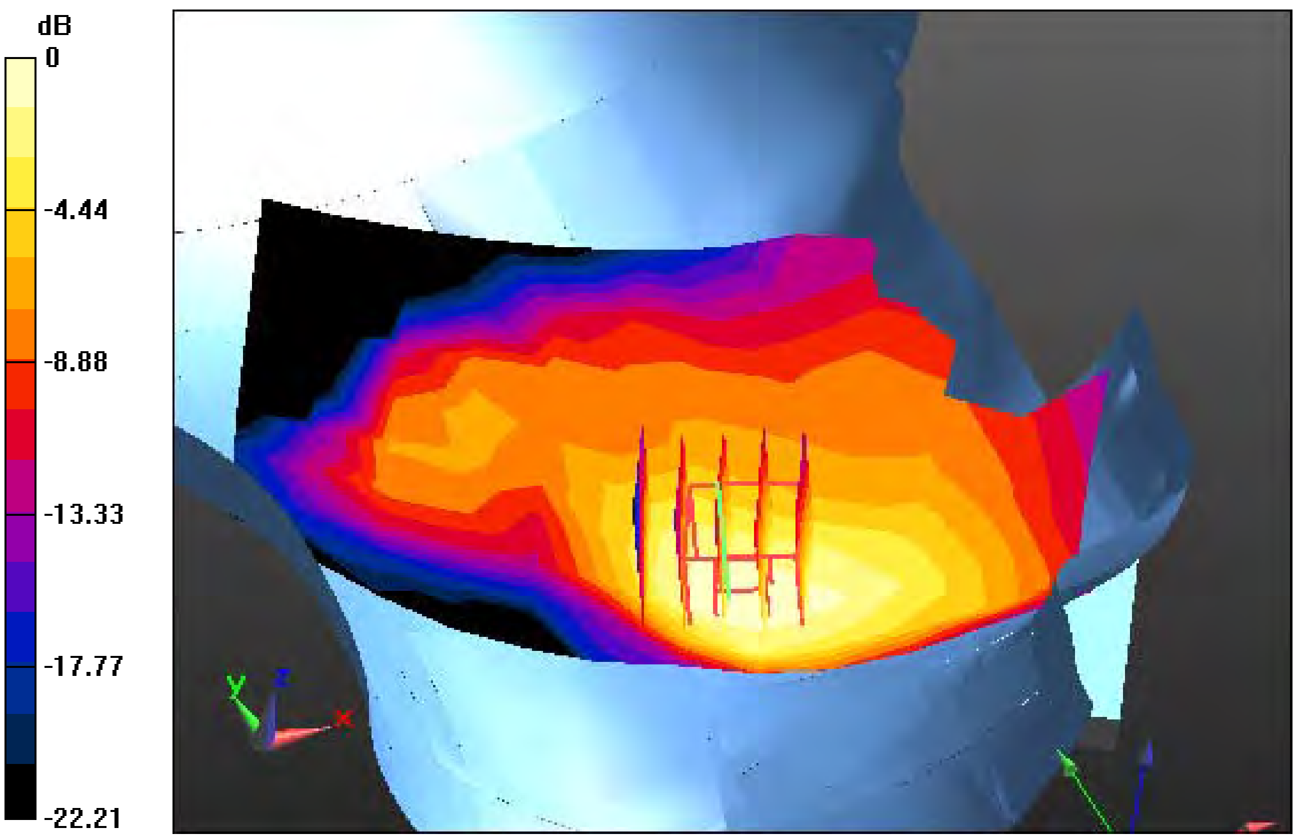
Communication System: UID 0, PCS 1900 (0); Frequency: 1880 MHz;Duty Cycle: 1:8.3
Medium parameters used: f = 1880 MHz; σ = 1.396 S/m; ε_r = 39.352; ρ = 1000 kg/m^3
Phantom section: Left Section

DASY5 Configuration:
Probe: EX3DV4 - SN7337; ConvF(8.49, 8.49, 8.49); Calibrated: 11/22/2018; Electronics: DAE4 Sn1392
Sensor-Surface: 2mm (Mechanical Surface Detection)
Phantom: SAM_Right_20170922; Type: QD000P40CD; Serial: 1895
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7372)

Test Date: 2019-01-07; Ambient Temp: 22.8; Tissue Temp: 22.7

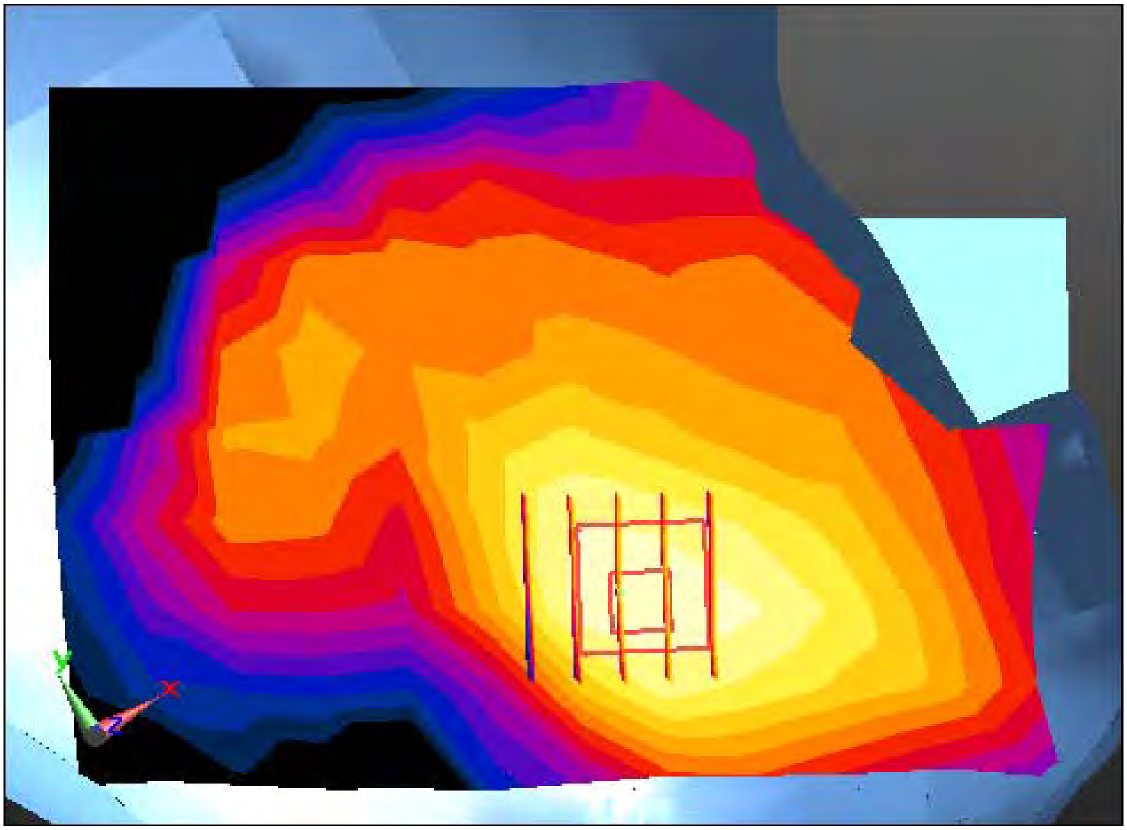
Left Touch, PCS1900 Ch. 661, Ant Internal, Standard Battery

Area Scan (9x14x1): Measurement grid: dx=15mm, dy=15mm
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Power Drift = 0.16 dB
Peak SAR (extrapolated) = 0.359 W/kg
SAR(1 g) = 0.226 W/kg; SAR(10 g) = 0.137 W/kg



0 dB = 0.285 W/kg

-



Enlarged Plot for A3

DT&C Co., Ltd.

DUT: LM-X420EM; Type: Bar

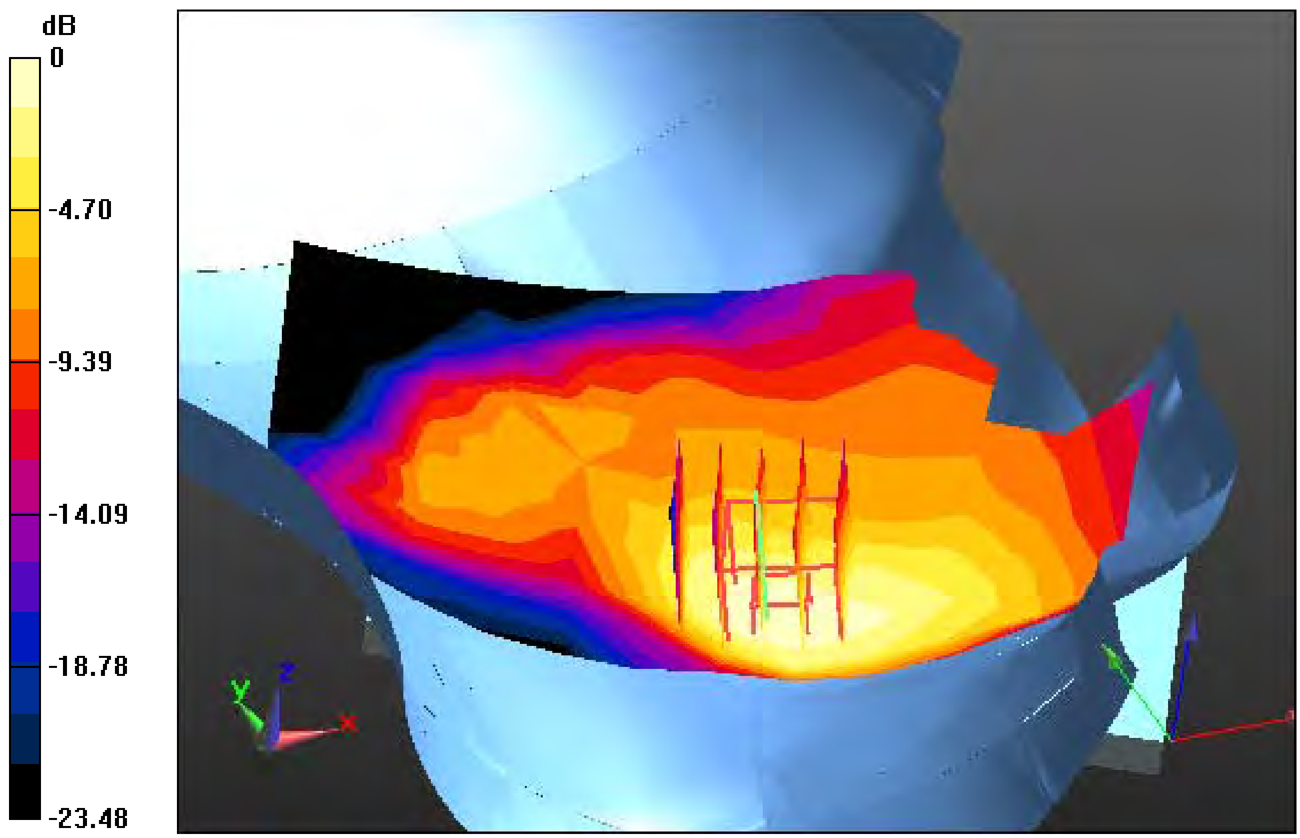
Communication System: UID 0, PCS1900_Class 12 (0); Frequency: 1880 MHz;Duty Cycle: 1:2.075
Medium parameters used: f = 1880 MHz; σ = 1.396 S/m; ε_r = 39.352; ρ = 1000 kg/m^3
Phantom section: Left Section

DASY5 Configuration:
Probe: EX3DV4 - SN7337; ConvF(8.49, 8.49, 8.49); Calibrated: 11/22/2018; Electronics: DAE4 Sn1392
Sensor-Surface: 2mm (Mechanical Surface Detection)
Phantom: SAM_Right_20170922; Type: QD000P40CD; Serial: 1895
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7372)

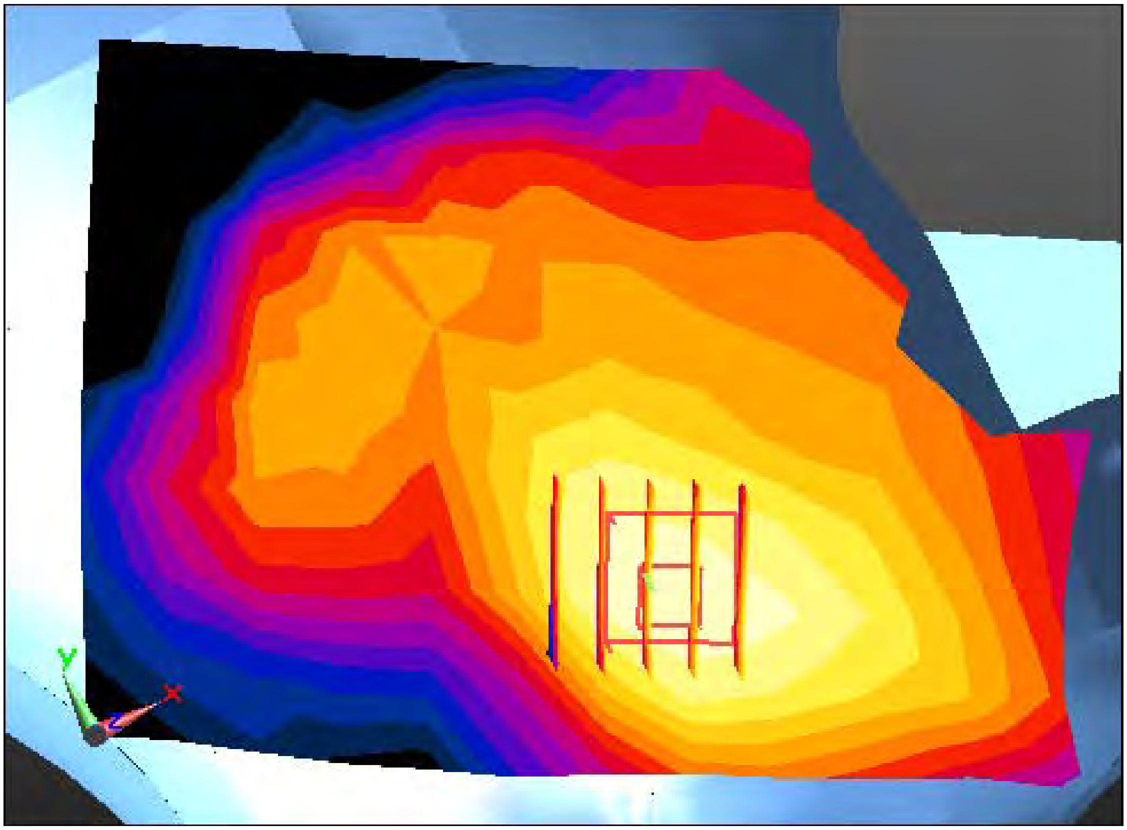
Test Date: 2019-01-07; Ambient Temp: 22.8; Tissue Temp: 22.7

Left Touch, PCS1900 GPRS 4 Tx 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 = -0.18 dB
Peak SAR (extrapolated) = 0.520 W/kg
SAR(1 g) = 0.328 W/kg; SAR(10 g) = 0.200 W/kg



0 dB = 0.415 W/kg



Enlarged Plot for A4

DUT: LM-X420EM; Type: Bar

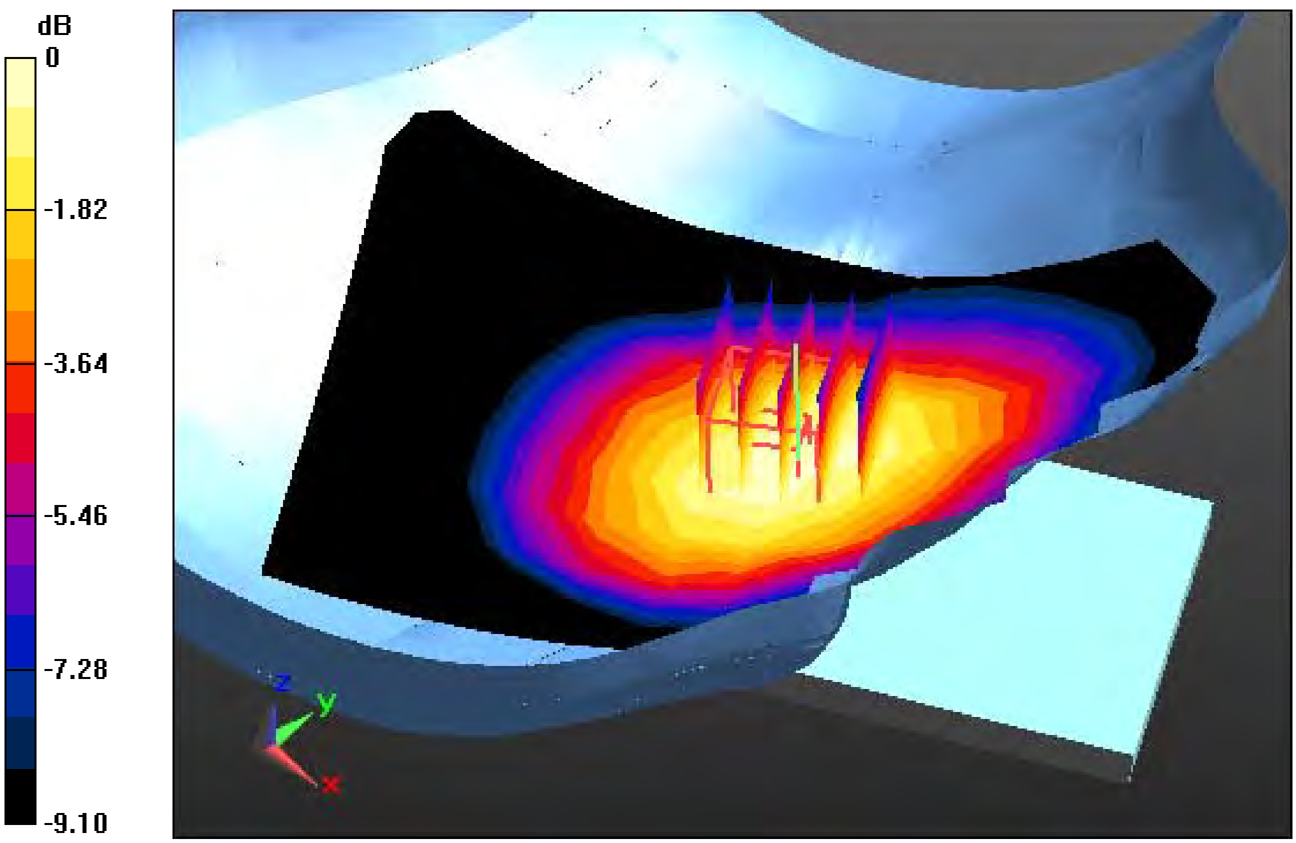
Communication System: UID 0, WCDMA 850 (0); Frequency: 836.6 MHz;Duty Cycle: 1:1
Medium parameters used: f = 836.6 MHz; σ = 0.876 S/m; ε_r = 41.193; ρ = 1000 kg/m^3
Phantom section: Right Section

DASY5 Configuration:
Probe: EX3DV4 - SN7337; ConvF(10.16, 10.16, 10.16); Calibrated: 11/22/2018; Electronics: DAE4 Sn1392
Sensor-Surface: 2mm (Mechanical Surface Detection)
Phantom: SAM_Right_20170922; Type: QD000P40CD; Serial: 1895
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7372)

Test Date: 2019-01-04; Ambient Temp: 22.5; Tissue Temp: 22.3

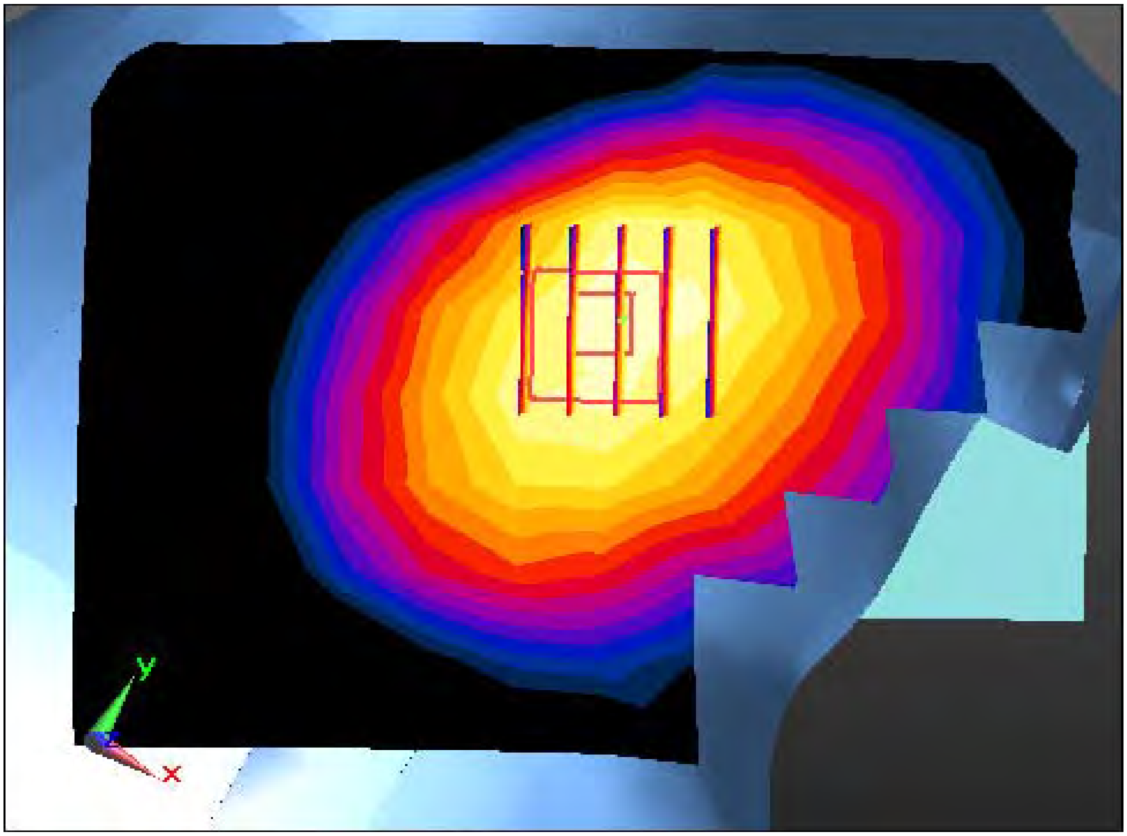
Right Touch, WCDMA Band 5 Ch. 4183, Ant Internal, Standard Battery

Area Scan (9x14x1): Measurement grid: dx=15mm, dy=15mm
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Power Drift = 0.13 dB
Peak SAR (extrapolated) = 0.433 W/kg
SAR(1 g) = 0.354 W/kg; SAR(10 g) = 0.274 W/kg



0 dB = 0.395 W/kg

-



Enlarged Plot for A5

DUT: LM-X420EM; Type: Bar

Communication System: UID 0, WCDMA 1900 (0); Frequency: 1880 MHz;Duty Cycle: 1:1
Medium parameters used: f = 1880 MHz; σ = 1.396 S/m; ε_r = 39.352; ρ = 1000 kg/m^3
Phantom section: Left Section

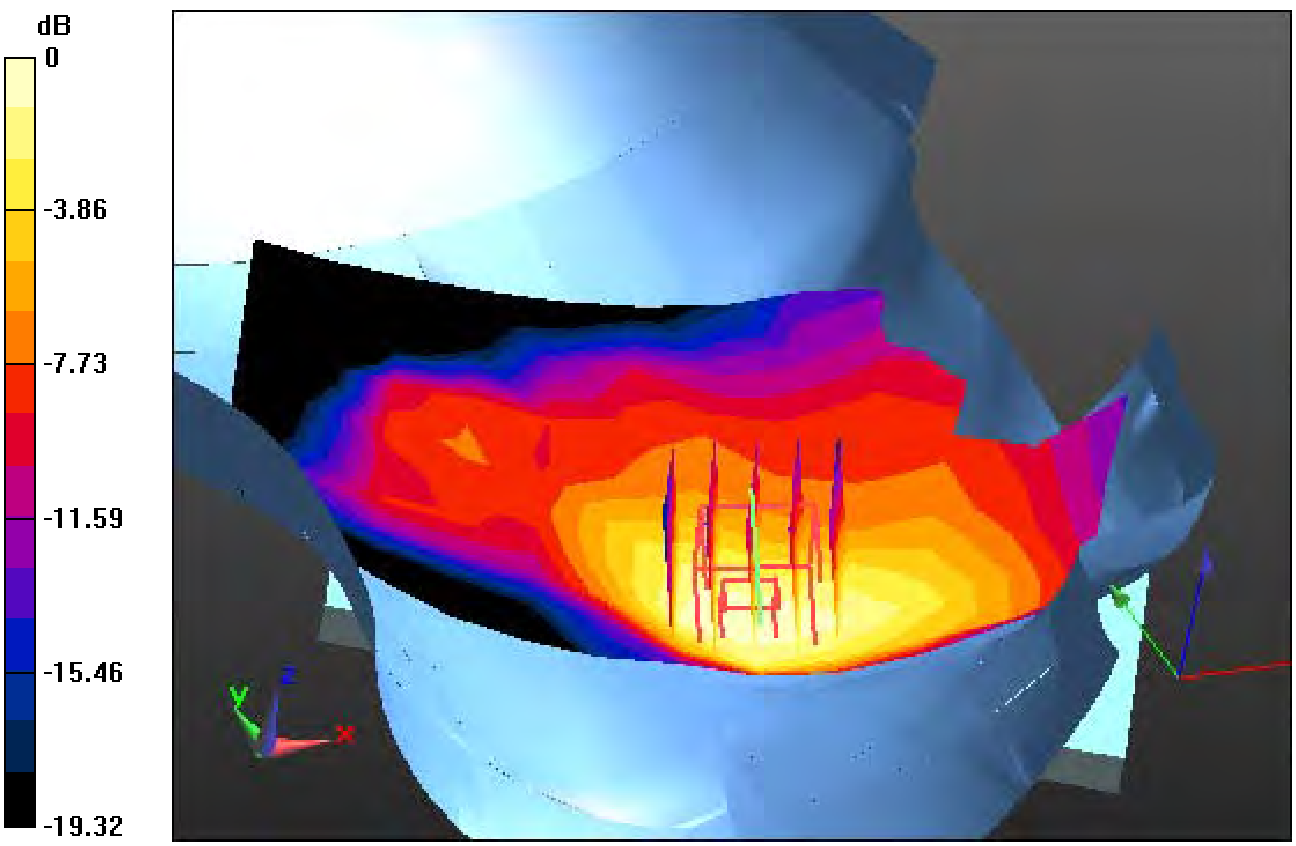
DASY5 Configuration:

Probe: EX3DV4 - SN7337; ConvF(8.49, 8.49, 8.49); Calibrated: 11/22/2018; Electronics: DAE4 Sn1392
Sensor-Surface: 2mm (Mechanical Surface Detection)
Phantom: SAM_Right_20170922; Type: QD000P40CD; Serial: 1895
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7372)

Test Date: 2019-01-07; Ambient Temp: 22.8; Tissue Temp: 22.7

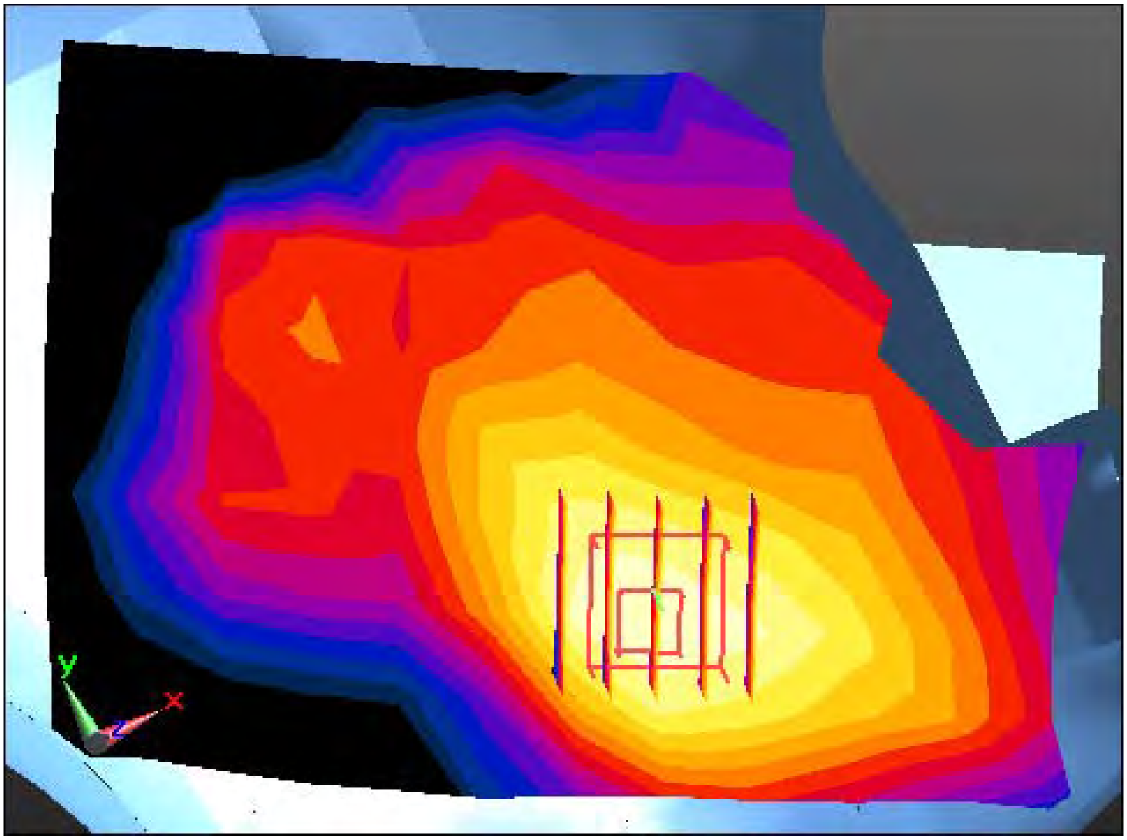
Left Touch, WCDMA Band 2 Ch. 9400, Ant Internal, Standard Battery

Area Scan (9x14x1): Measurement grid: dx=15mm, dy=15mm
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Power Drift = 0.17 dB
Peak SAR (extrapolated) = 0.639 W/kg
SAR(1 g) = 0.402 W/kg; SAR(10 g) = 0.242 W/kg



0 dB = 0.502 W/kg

-



Enlarged Plot for A6

DT&C Co., Ltd.

DUT: LM-X420EM; Type: Bar

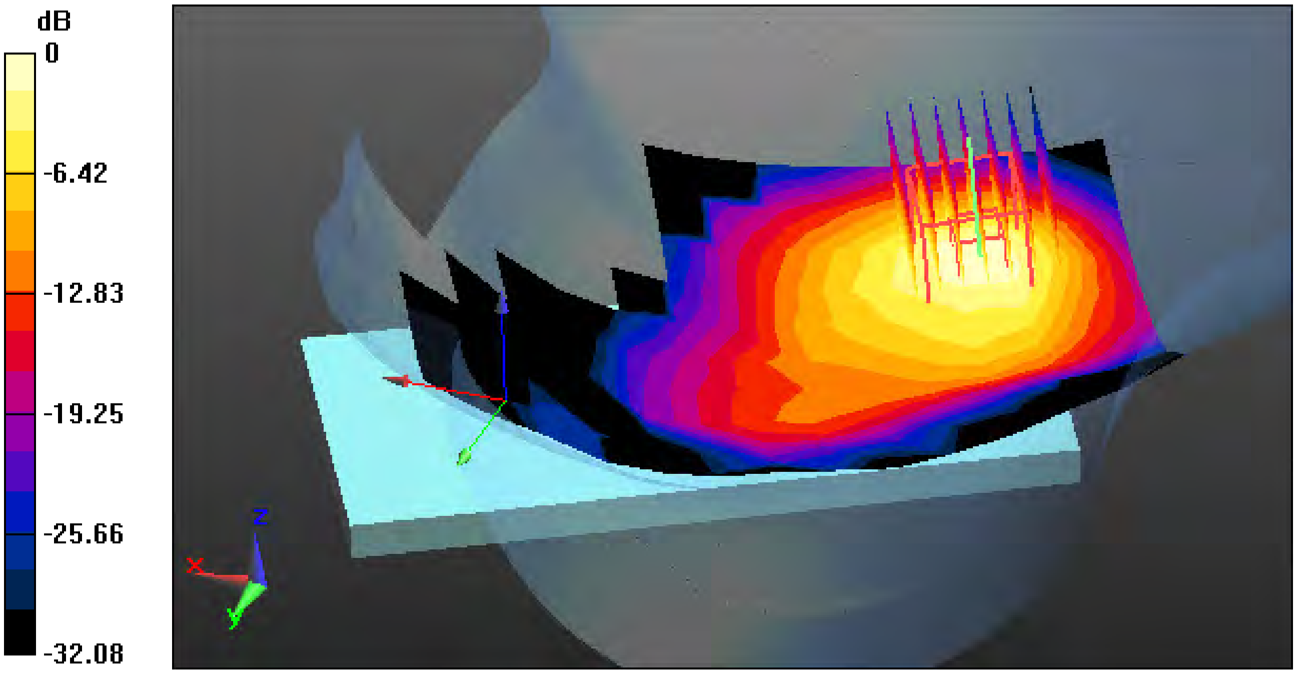
Communication System: UID 0, 00_2.4 GHz W-LAN (0); Frequency: 2412 MHz; Duty Cycle: 1:1
Medium parameters used: f = 2412 MHz; σ = 1.715 S/m; ε_r = 39.845; ρ = 1000 kg/m^3
Phantom section: Right Section

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

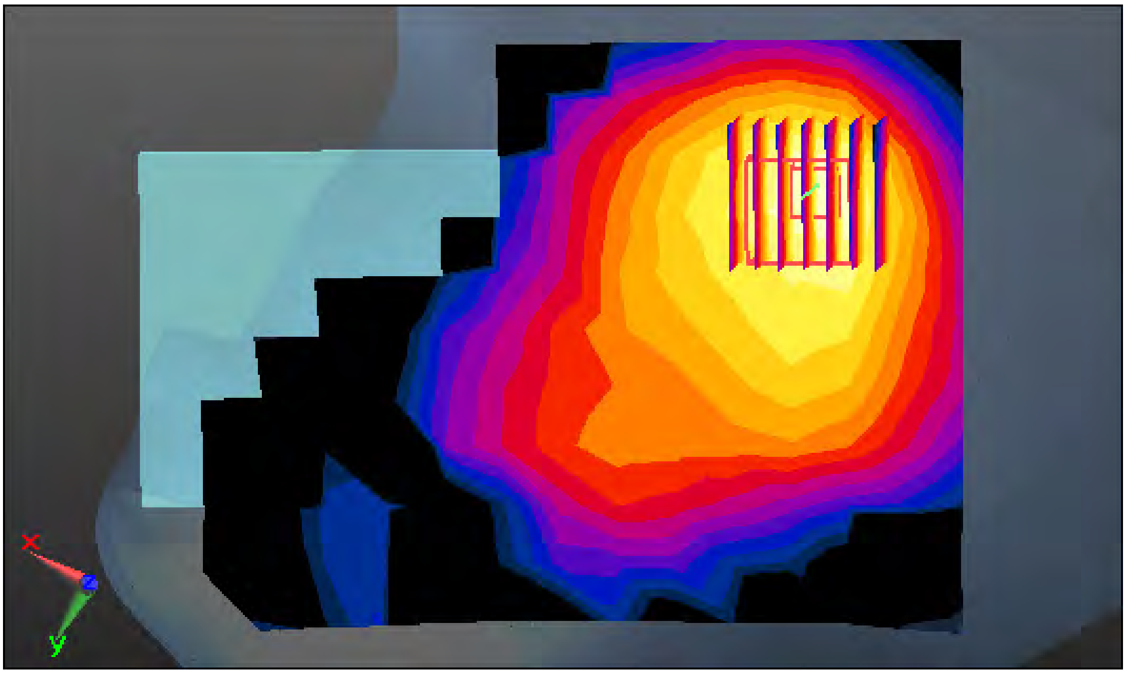
Test Date: 2019-01-01; Ambient Temp: 20.6; Tissue Temp: 20.4

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

Area Scan (11x17x1): Measurement grid: dx=12mm, dy=12mm
Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Power Drift = -0.02 dB
Peak SAR (extrapolated) = 1.05 W/kg
SAR(1 g) = 0.451 W/kg; SAR(10 g) = 0.206 W/kg



0 dB = 0.720 W/kg



Enlarged Plot for A7

DT&C Co., Ltd.

DUT: LM-X420EM; Type: Bar

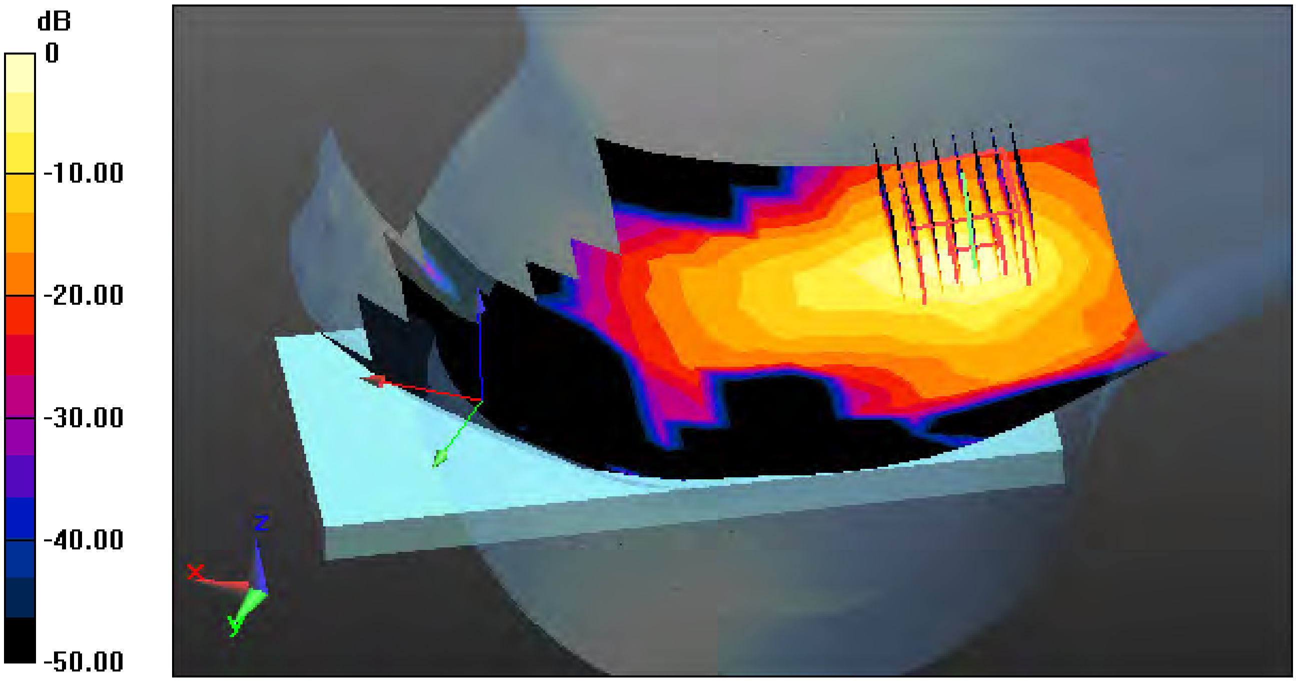
Communication System: UID 0, W-LAN_5 GHz(FCC) (0); Frequency: 5280 MHz; Duty Cycle: 1:1
Medium parameters used: f = 5280 MHz; σ = 4.587 S/m; ε_r = 35.311; ρ = 1000 kg/m^3
Phantom section: Right Section

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

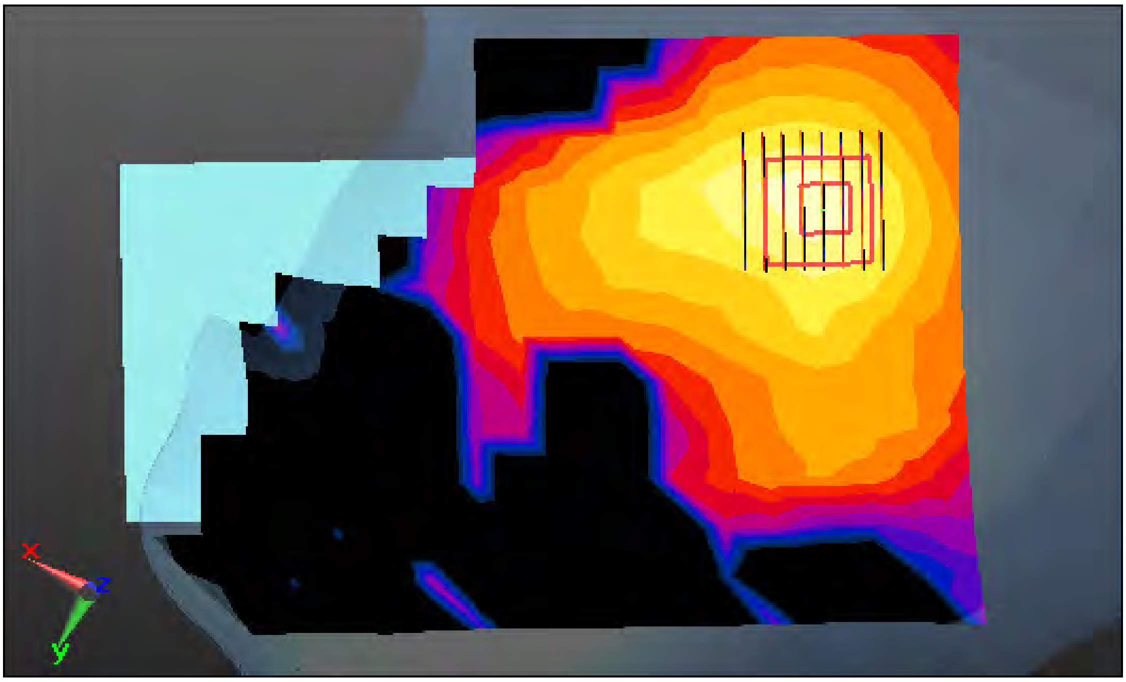
Test Date: 2019-01-08; Ambient Temp: 21.2; Tissue Temp: 21.4

Right Touch, W-LAN(802.11a - 5.3G) Ch. 56, Ant Internal, Standard Battery

Area Scan (13x21x1): Measurement grid: dx=10mm, dy=10mm
Zoom Scan (8x8x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm, Graded Ratio: 1.4
Power Drift = 0.01 dB
Peak SAR (extrapolated) = 2.76 W/kg
SAR(1 g) = 0.745 W/kg; SAR(10 g) = 0.232 W/kg



0 dB = 1.84 W/kg



Enlarged Plot for A8

DUT: LM-X420EM; Type: Bar

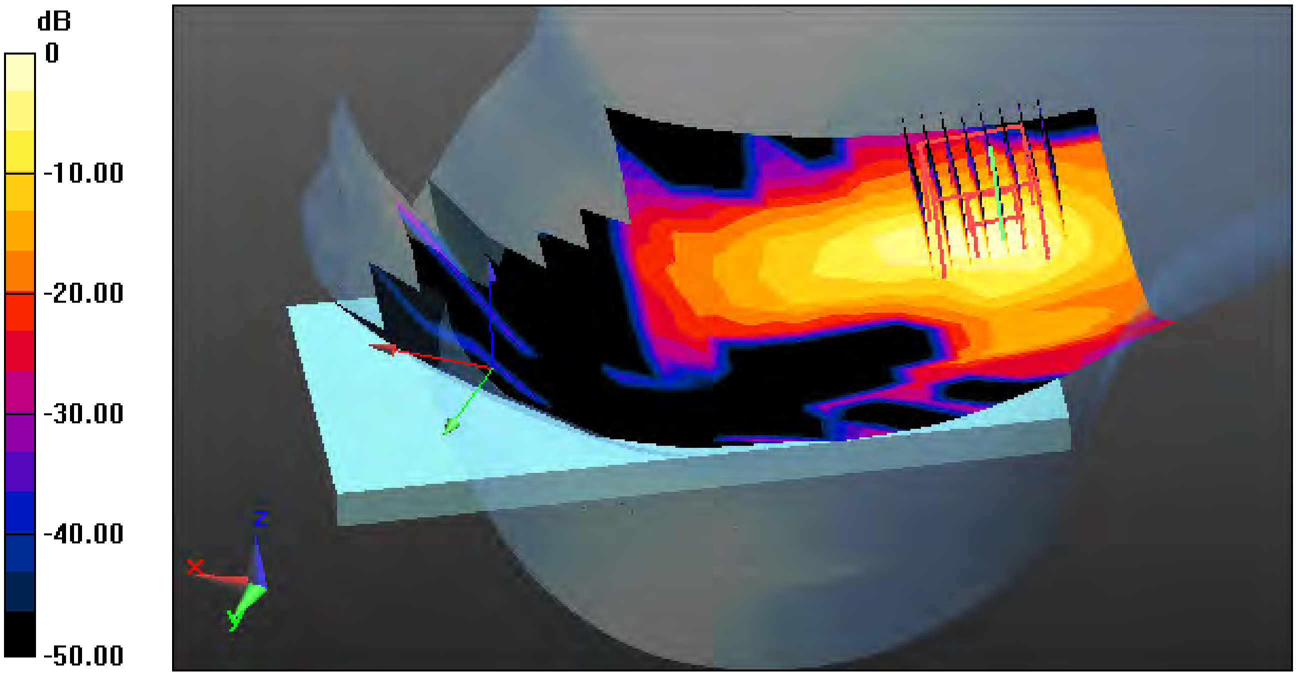
Communication System: UID 0, W-LAN_5 GHz(FCC) (0); Frequency: 5500 MHz; Duty Cycle: 1:1
Medium parameters used: f = 5500 MHz; σ = 4.812 S/m; ε_r = 35.225; ρ = 1000 kg/m^3
Phantom section: Right Section

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

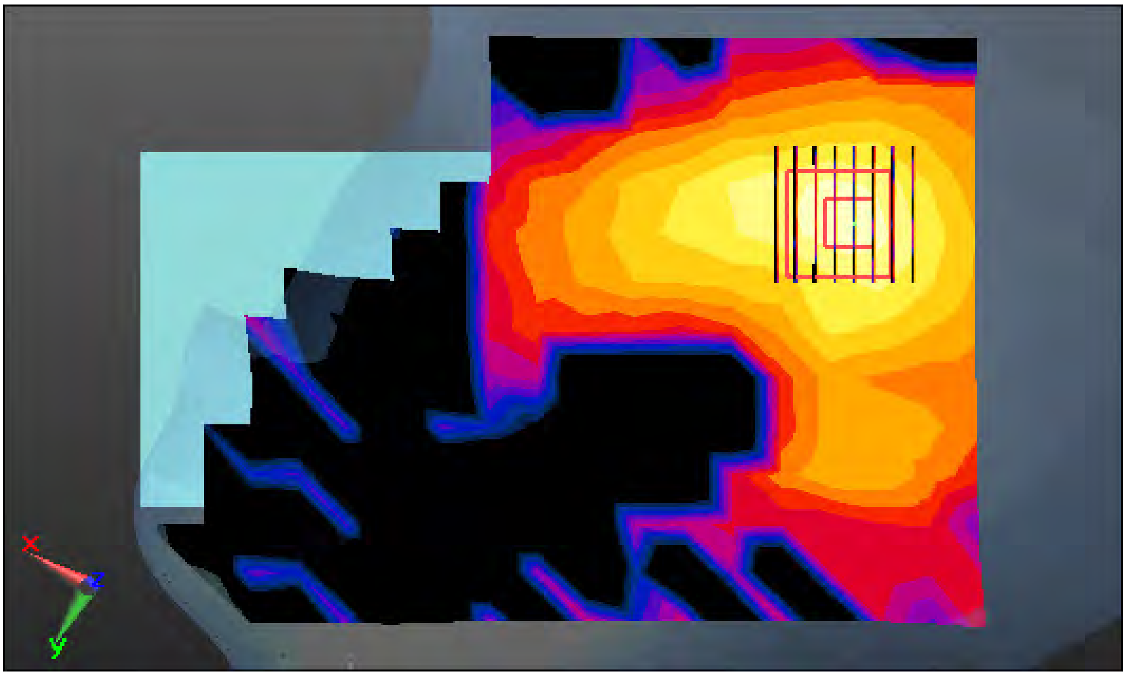
Test Date: 2019-01-09; Ambient Temp: 21.1; Tissue Temp: 20.8

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

Area Scan (13x21x1): Measurement grid: dx=10mm, dy=10mm
Zoom Scan (8x8x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm, Graded Ratio: 1.4
Power Drift = 0.09 dB
Peak SAR (extrapolated) = 2.98 W/kg
SAR(1 g) = 0.760 W/kg; SAR(10 g) = 0.230 W/kg



0 dB = 1.87 W/kg



Enlarged Plot for A9

DUT: LM-X420EM; Type: Bar

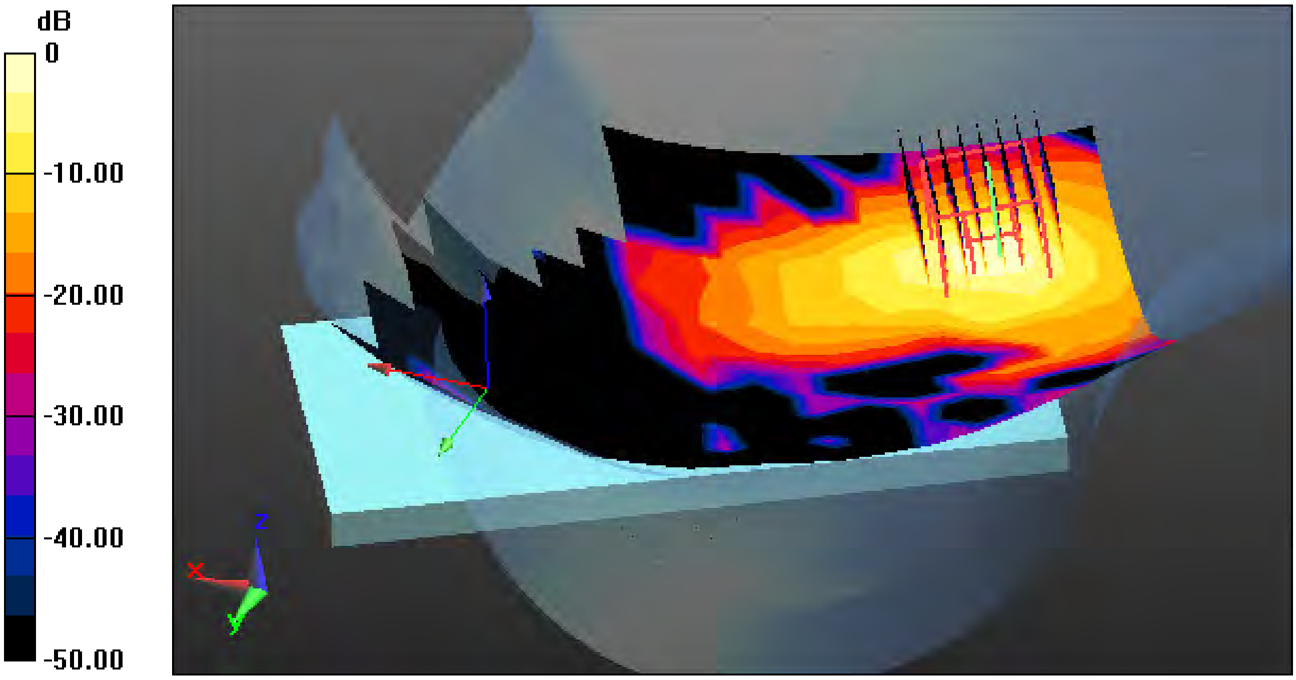
Communication System: UID 0, W-LAN_5 GHz(FCC) (0); Frequency: 5785 MHz; Duty Cycle: 1:1
Medium parameters used: f = 5785 MHz; σ = 5.093 S/m; ε_r = 34.629; ρ = 1000 kg/m^3
Phantom section: Right Section

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

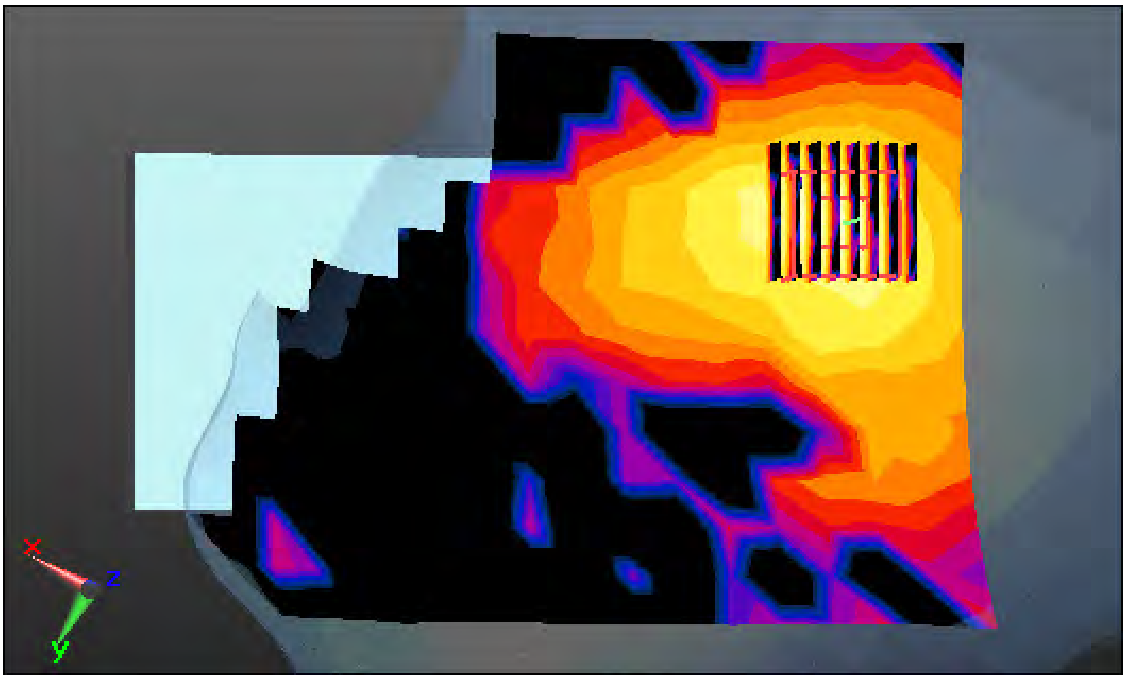
Test Date: 2019-01-10; Ambient Temp: 20.9; Tissue Temp: 21.3

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

Area Scan (13x21x1): Measurement grid: dx=10mm, dy=10mm
Zoom Scan (8x8x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm, Graded Ratio: 1.4
Power Drift = 0.04 dB
Peak SAR (extrapolated) = 2.88 W/kg
SAR(1 g) = 0.677 W/kg; SAR(10 g) = 0.201 W/kg



0 dB = 1.71 W/kg



Enlarged Plot for A10

DT&C Co., Ltd.

DUT: LM-X420EM; Type: Bar

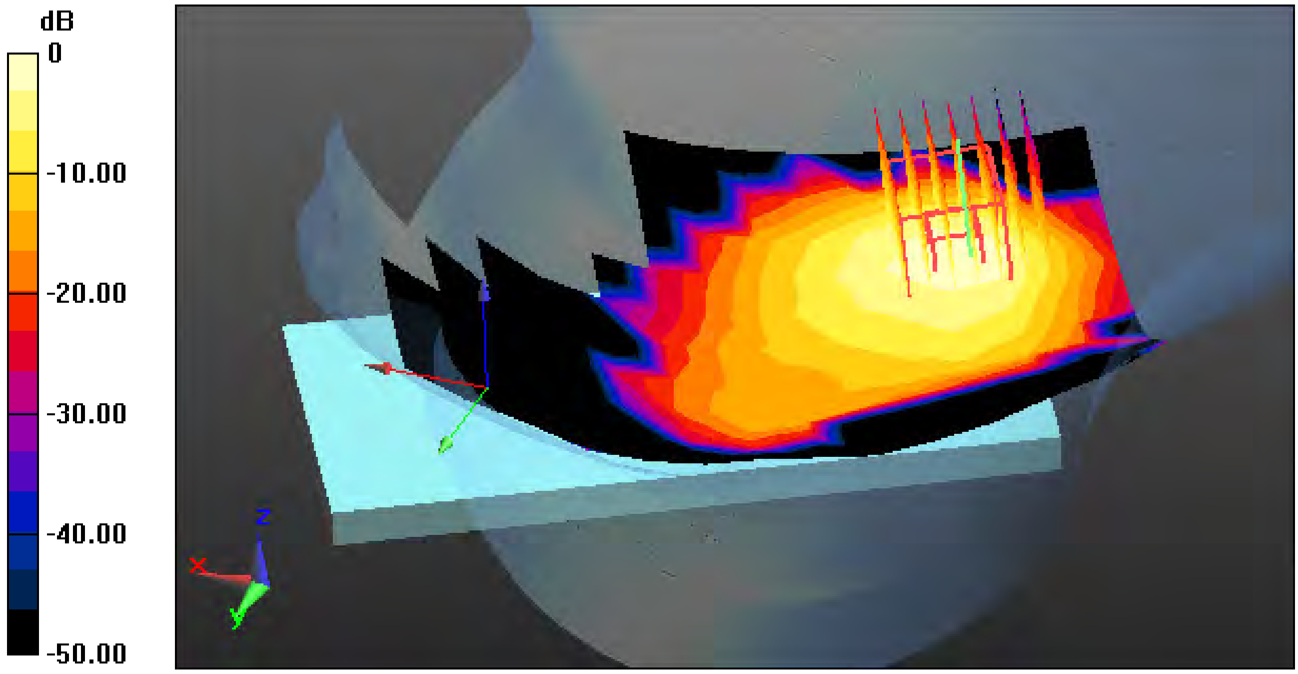
Communication System: UID 0, Bluetooth (0); Frequency: 2441 MHz; Duty Cycle: 1:1.302
Medium parameters used: f = 2441 MHz; σ = 1.753 S/m; ε_r = 39.811; ρ = 1000 kg/m^3
Phantom section: Right Section

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

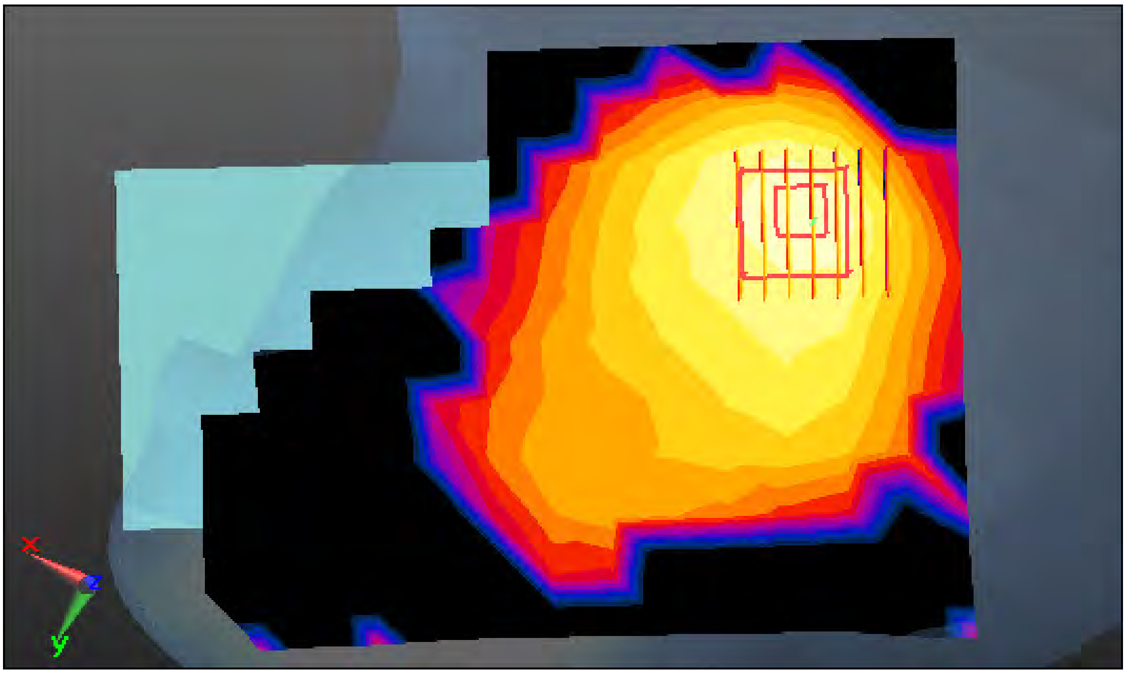
Test Date: 2019-01-01; Ambient Temp: 20.6; Tissue Temp: 20.4

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

Area Scan (11x17x1): Measurement grid: dx=12mm, dy=12mm
Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Power Drift = 0.13 dB
Peak SAR (extrapolated) = 0.439 W/kg
SAR(1 g) = 0.177 W/kg; SAR(10 g) = 0.077 W/kg



0 dB = 0.273 W/kg



Enlarged Plot for A11

DUT: LM-X420EM; Type: Bar

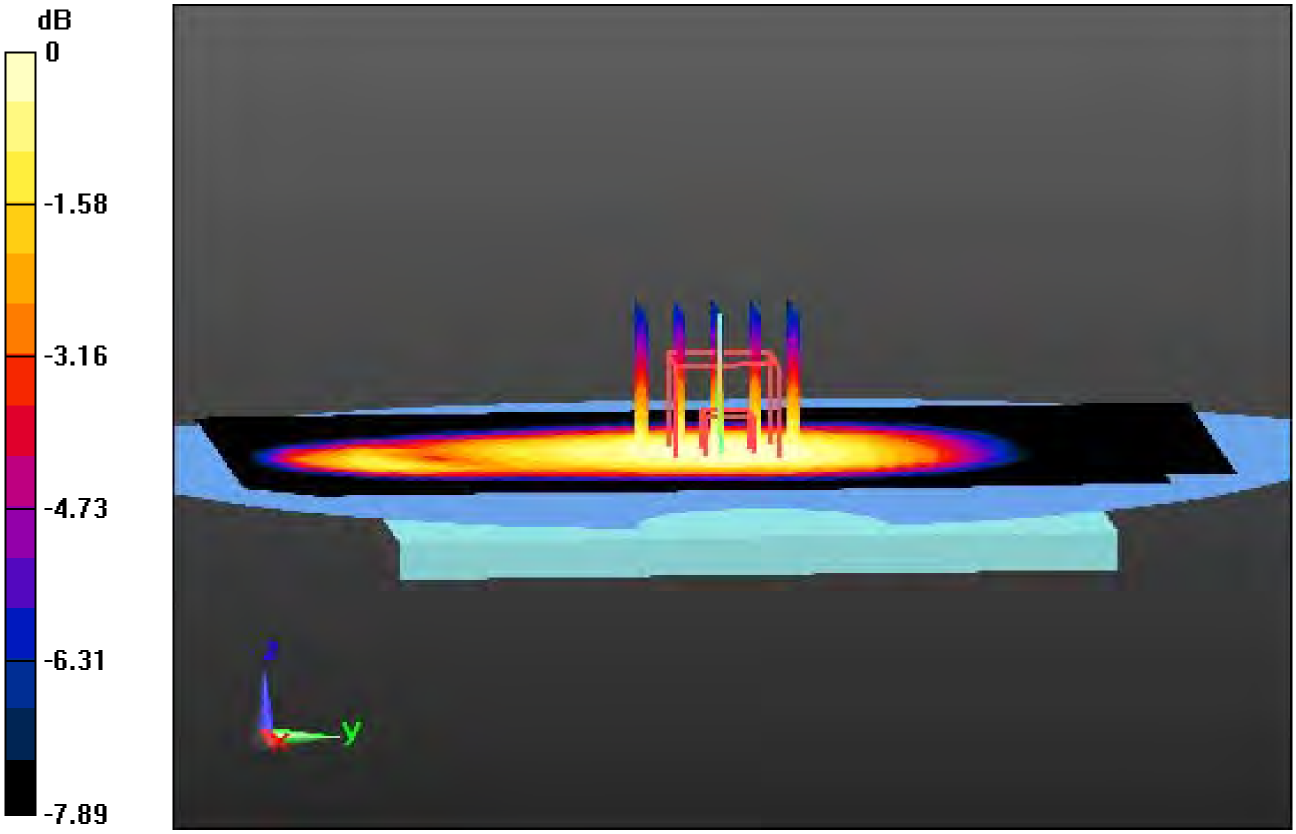
Communication System: UID 0, GSM 850 (0); Frequency: 836.6 MHz;Duty Cycle: 1:8.3
Medium parameters used: f = 836.6 MHz; σ = 0.993 S/m; ε_r = 54.185; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:
Probe: EX3DV4 - SN7337; ConvF(10.23, 10.23, 10.23); Calibrated: 11/22/2018; Electronics: DAE4 Sn1392
Sensor-Surface: 2mm (Mechanical Surface Detection)
Phantom: SAM_Right_20170922; Type: QD000P40CD; Serial: 1895
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7372)

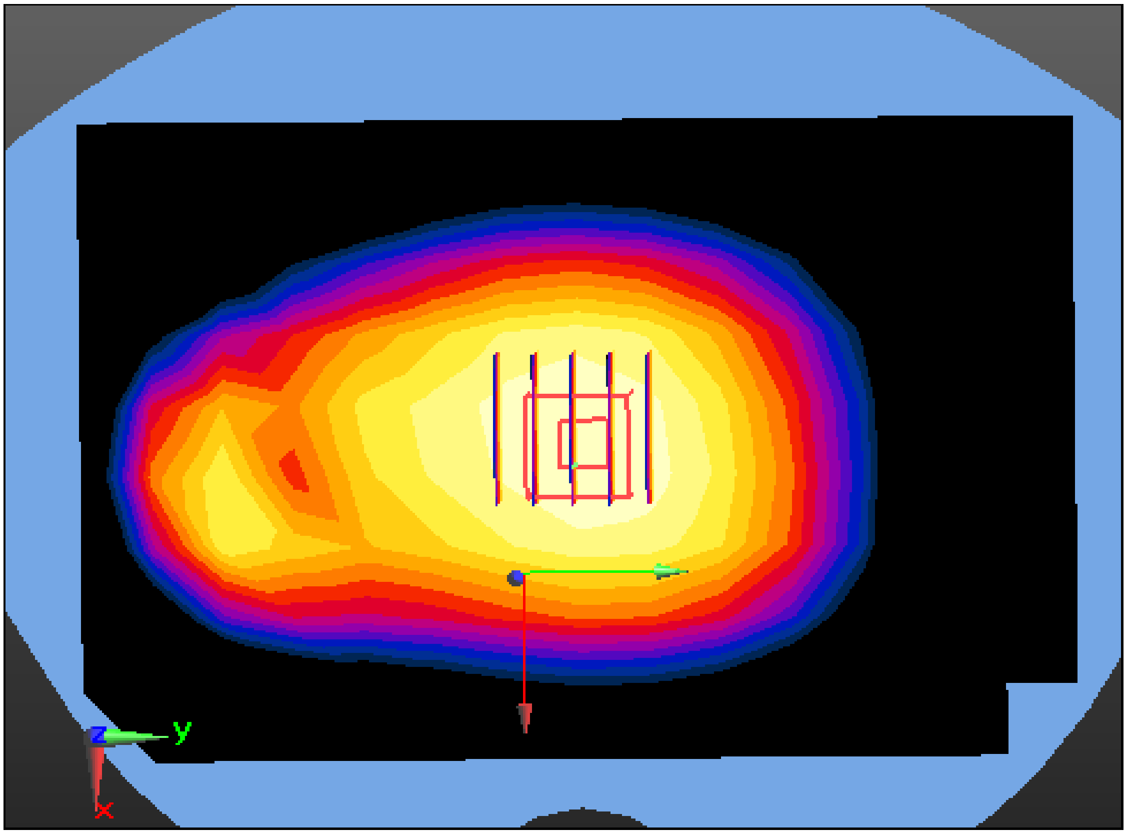
Test Date: 2019-01-08; Ambient Temp: 22.5; Tissue Temp: 22.4

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 = 0.06 dB
Peak SAR (extrapolated) = 0.394 W/kg
SAR(1 g) = 0.314 W/kg; SAR(10 g) = 0.244 W/kg



0 dB = 0.359 W/kg



Enlarged Plot for A12

DT&C Co., Ltd.

DUT: LM-X420EM; Type: Bar

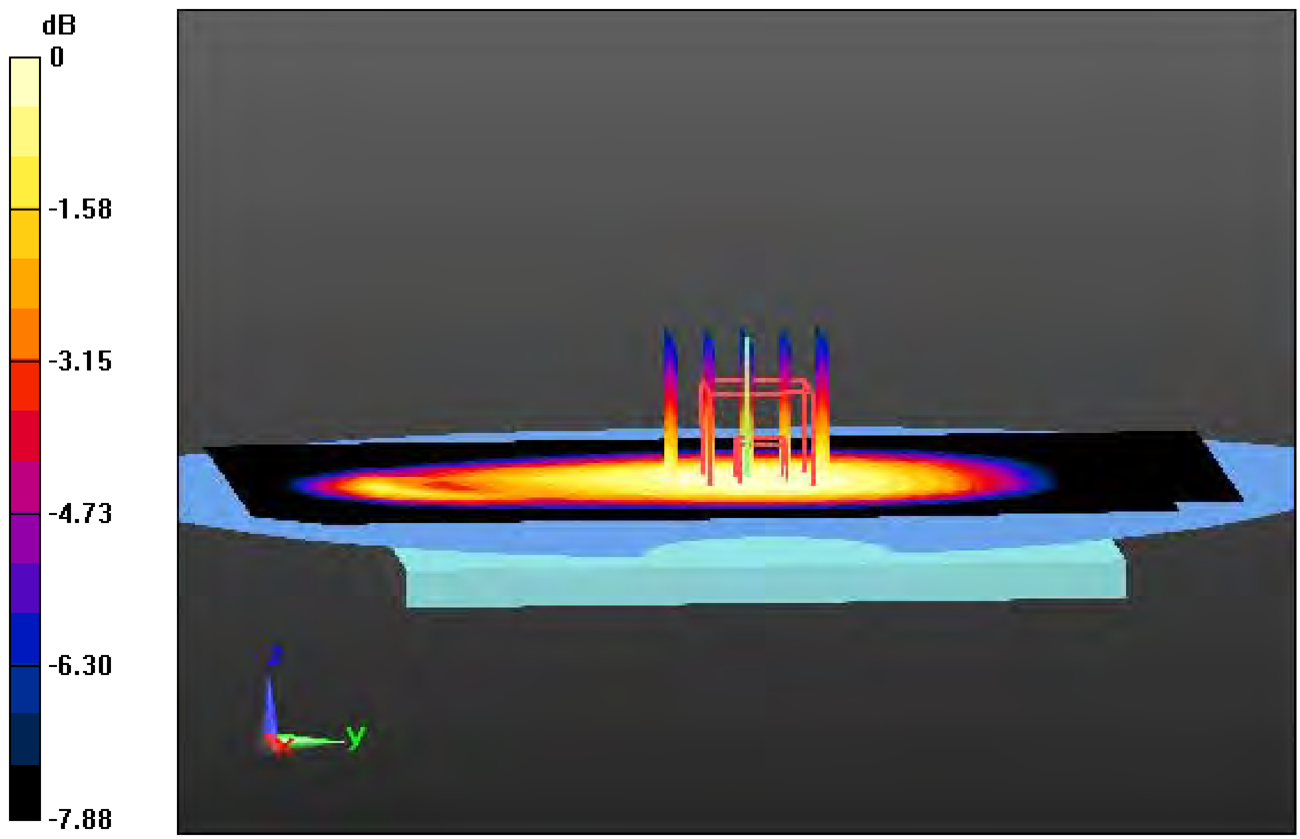
Communication System: UID 0, GSM 850_12 (0); Frequency: 836.6 MHz;Duty Cycle: 1:2.075
Medium parameters used: f = 836.6 MHz; σ = 0.993 S/m; ε_r = 54.185; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:
Probe: EX3DV4 - SN7337; ConvF(10.23, 10.23, 10.23); Calibrated: 11/22/2018; Electronics: DAE4 Sn1392
Sensor-Surface: 2mm (Mechanical Surface Detection)
Phantom: SAM_Right_20170922; Type: QD000P40CD; Serial: 1895
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7372)

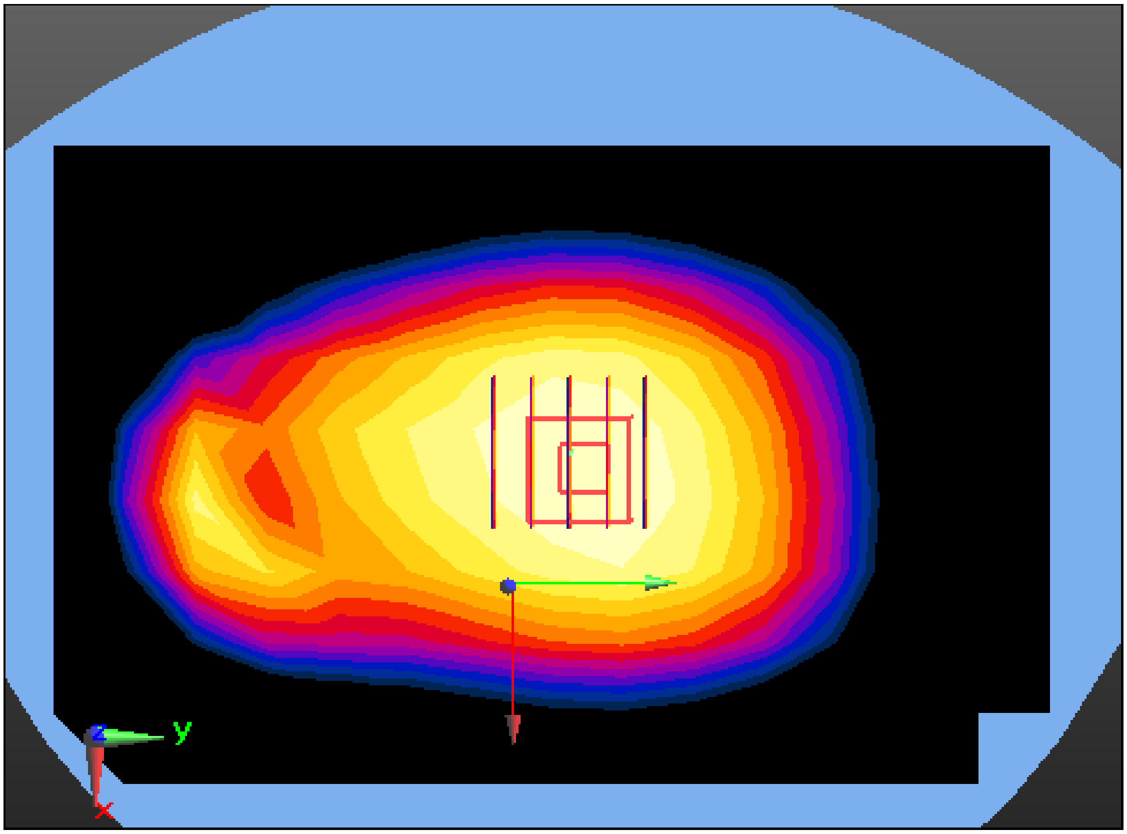
Test Date: 2019-01-08; Ambient Temp: 22.5; Tissue Temp: 22.4

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

Area Scan (10x15x1): Measurement grid: dx=15mm, dy=15mm
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Power Drift = -0.03 dB
Peak SAR (extrapolated) = 0.491 W/kg
SAR(1 g) = 0.395 W/kg; SAR(10 g) = 0.306 W/kg



0 dB = 0.449 W/kg



Enlarged Plot for A13

DT&C Co., Ltd.

DUT: LM-X420EM; Type: Bar

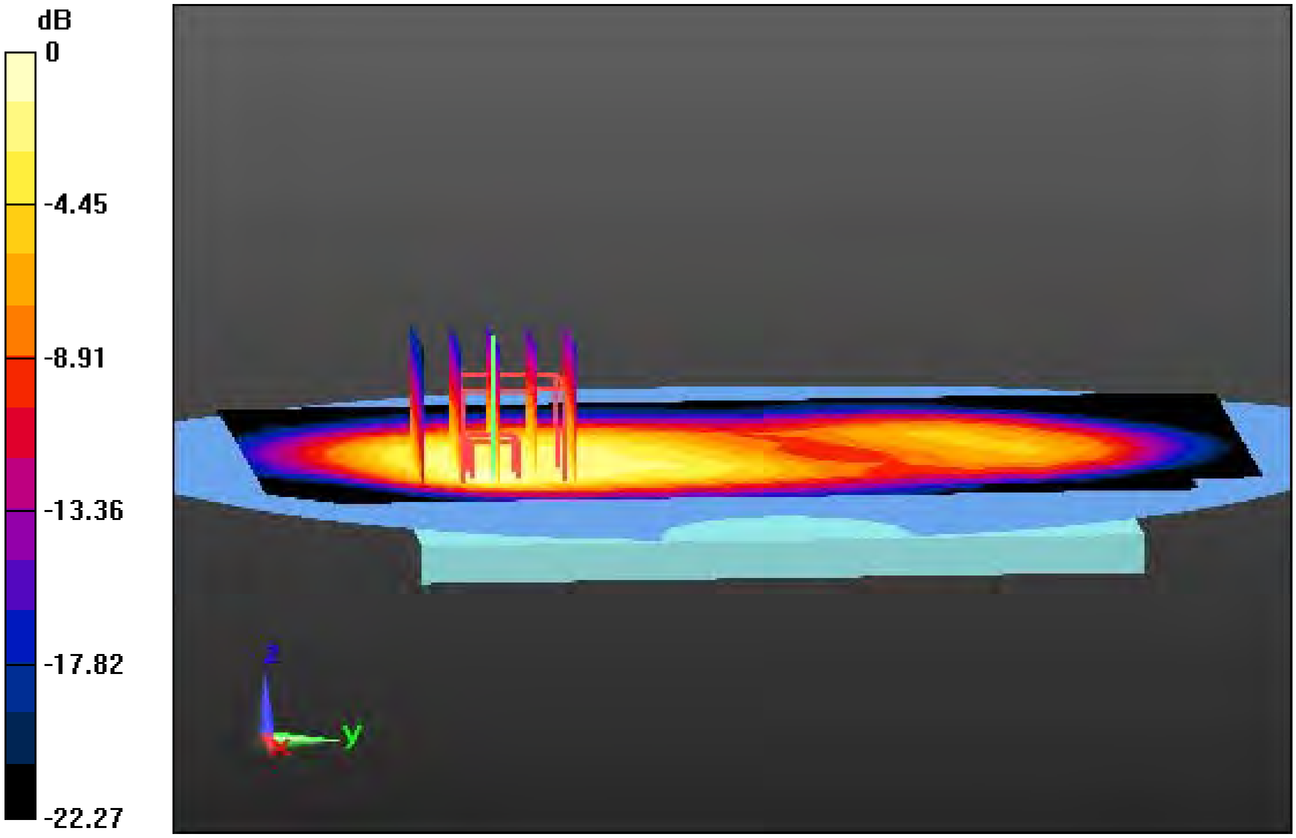
Communication System: UID 0, PCS 1900 (0); Frequency: 1880 MHz;Duty Cycle: 1:8.3
Medium parameters used: f = 1880 MHz; σ = 1.535 S/m; ε_r = 51.579; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:
Probe: EX3DV4 - SN7337; ConvF(8.03, 8.03, 8.03); Calibrated: 11/22/2018; Electronics: DAE4 Sn1392
Sensor-Surface: 2mm (Mechanical Surface Detection)
Phantom: SAM_Right_20170922; Type: QD000P40CD; Serial: 1895
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7372)

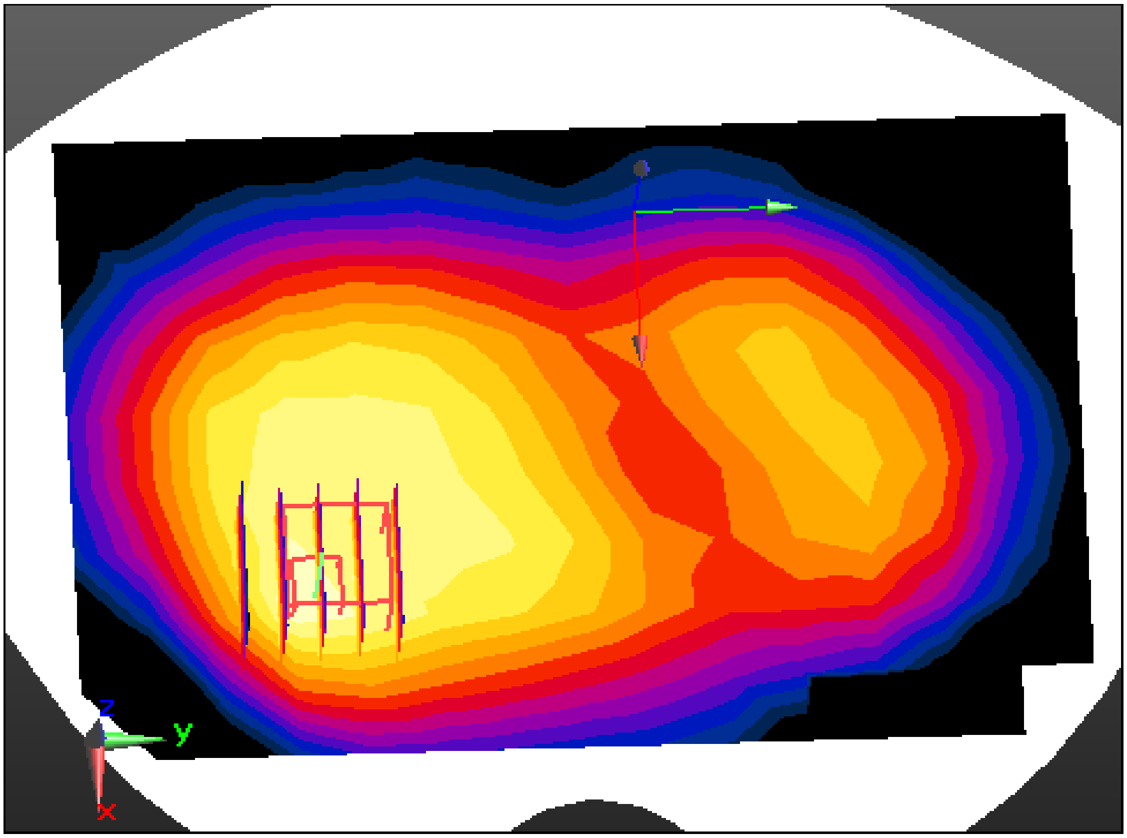
Test Date: 2019-01-03; Ambient Temp: 22.4; Tissue Temp: 22.5

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

Area Scan (10x15x1): Measurement grid: dx=15mm, dy=15mm
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Power Drift = -0.00 dB
Peak SAR (extrapolated) = 0.747 W/kg
SAR(1 g) = 0.400 W/kg; SAR(10 g) = 0.216 W/kg



0 dB = 0.580 W/kg



Enlarged Plot for A14

DUT: LM-X420EM; Type: Bar

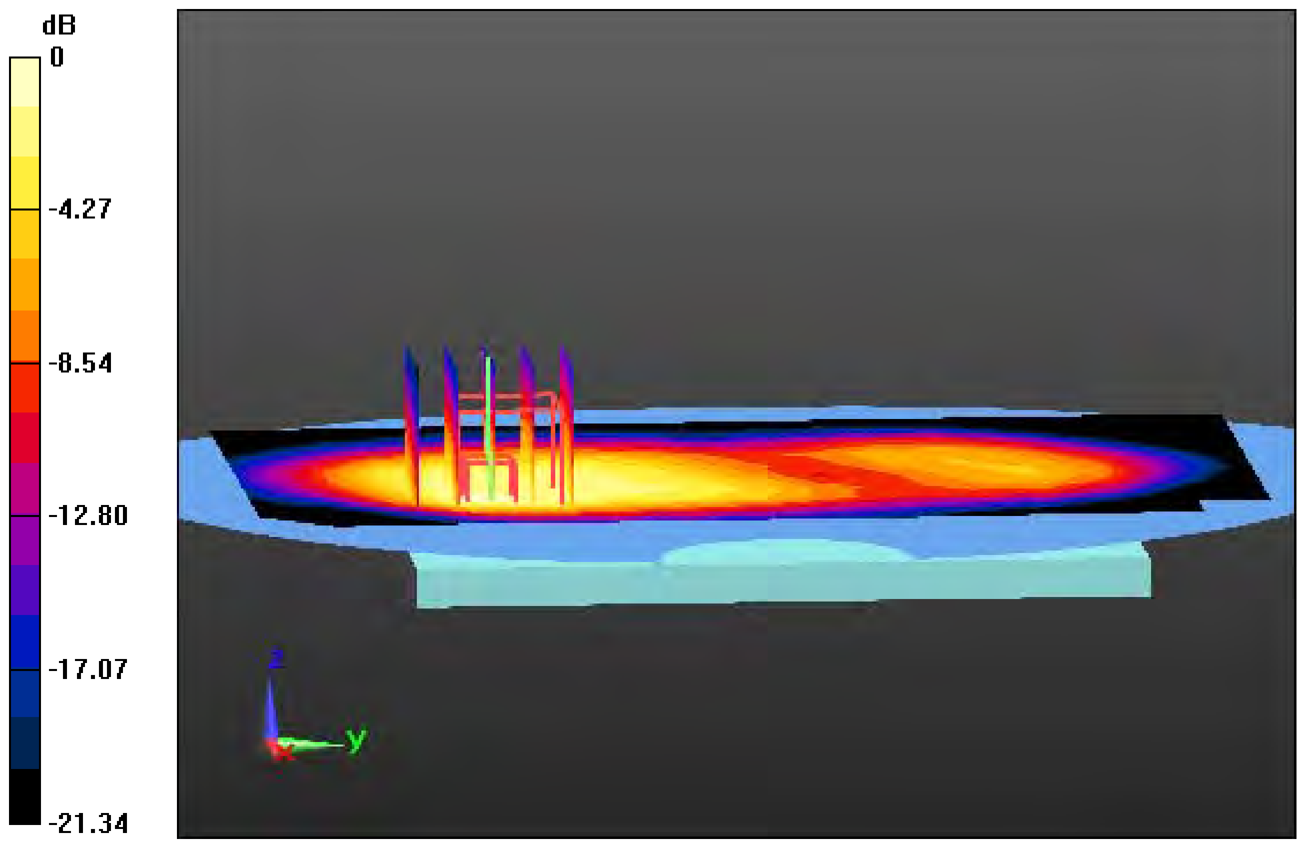
Communication System: UID 0, PCS1900_Class 12 (0); Frequency: 1880 MHz;Duty Cycle: 1:2.075
Medium parameters used: f = 1880 MHz; σ = 1.535 S/m; ε_r = 51.579; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:
Probe: EX3DV4 - SN7337; ConvF(8.03, 8.03, 8.03); Calibrated: 11/22/2018; Electronics: DAE4 Sn1392
Sensor-Surface: 2mm (Mechanical Surface Detection)
Phantom: SAM_Right_20170922; Type: QD000P40CD; Serial: 1895
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7372)

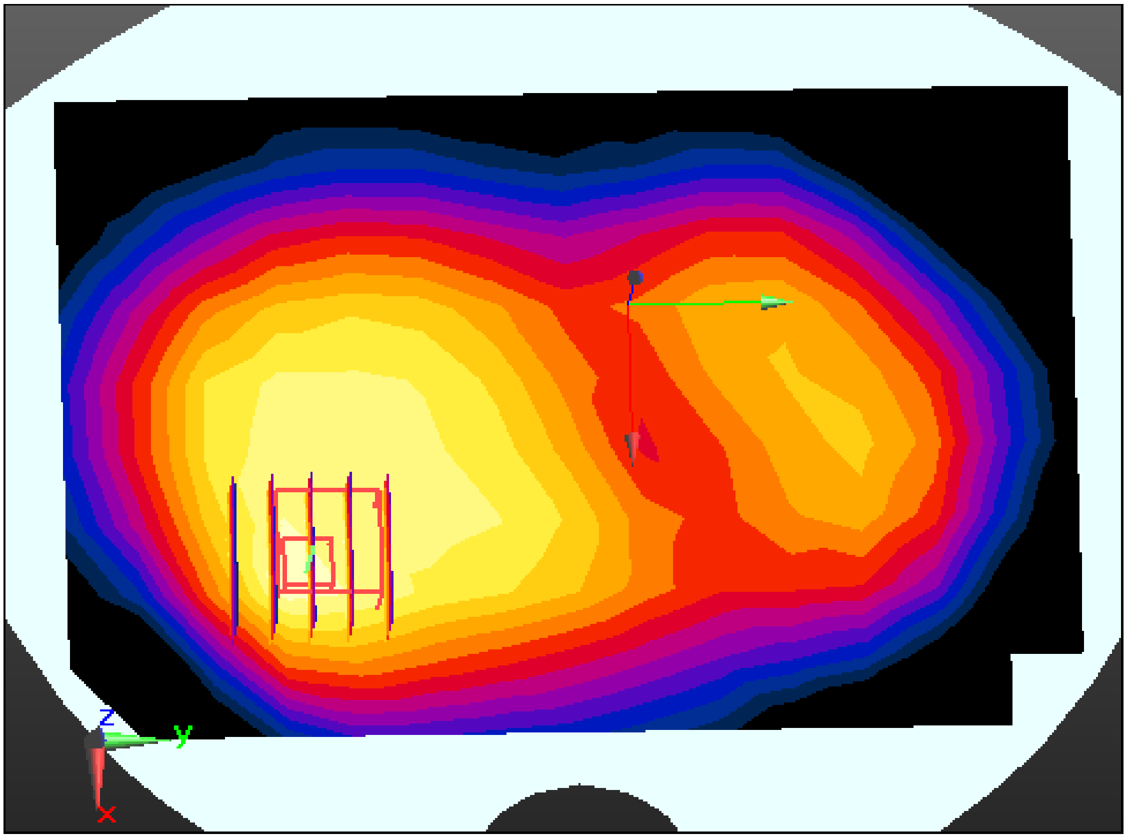
Test Date: 2019-01-03; Ambient Temp: 22.4; Tissue Temp: 22.5

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

Area Scan (10x15x1): Measurement grid: dx=15mm, dy=15mm
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Power Drift = 0.01 dB
Peak SAR (extrapolated) = 1.07 W/kg
SAR(1 g) = 0.575 W/kg; SAR(10 g) = 0.311 W/kg



0 dB = 0.832 W/kg



Enlarged Plot for A15

DT&C Co., Ltd.

DUT: LM-X420EM; Type: Bar

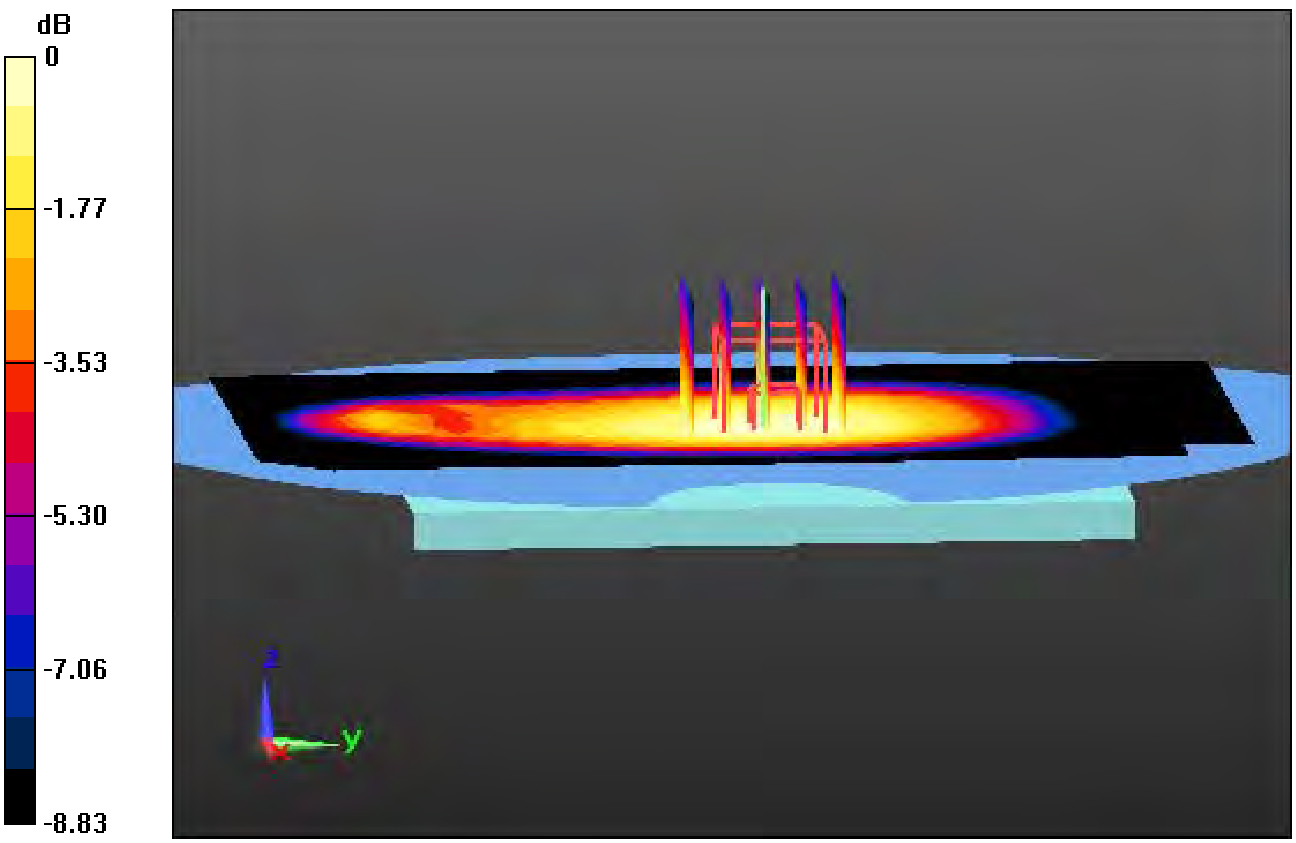
Communication System: UID 0, WCDMA 850 (0); Frequency: 836.6 MHz;Duty Cycle: 1:1
Medium parameters used: f = 836.6 MHz; σ = 0.993 S/m; ε_r = 54.185; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:
Probe: EX3DV4 - SN7337; ConvF(10.23, 10.23, 10.23); Calibrated: 11/22/2018; Electronics: DAE4 Sn1392
Sensor-Surface: 2mm (Mechanical Surface Detection)
Phantom: SAM_Right_20170922; Type: QD000P40CD; Serial: 1895
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7372)

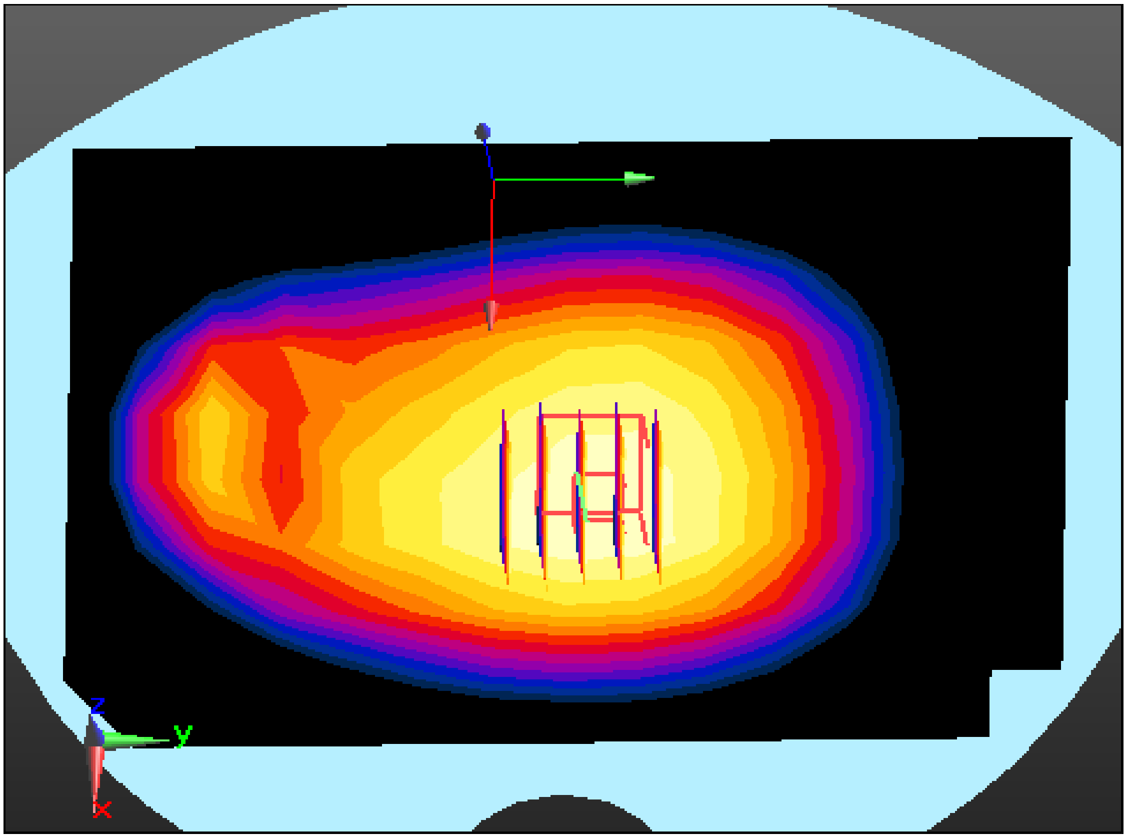
Test Date: 2019-01-08; Ambient Temp: 22.5; Tissue Temp: 22.4

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

Area Scan (10x15x1): Measurement grid: dx=15mm, dy=15mm
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Power Drift = 0.02 dB
Peak SAR (extrapolated) = 0.646 W/kg
SAR(1 g) = 0.507 W/kg; SAR(10 g) = 0.386 W/kg



0 dB = 0.586 W/kg



Enlarged Plot for A16

DUT: LM-X420EM; Type: Bar

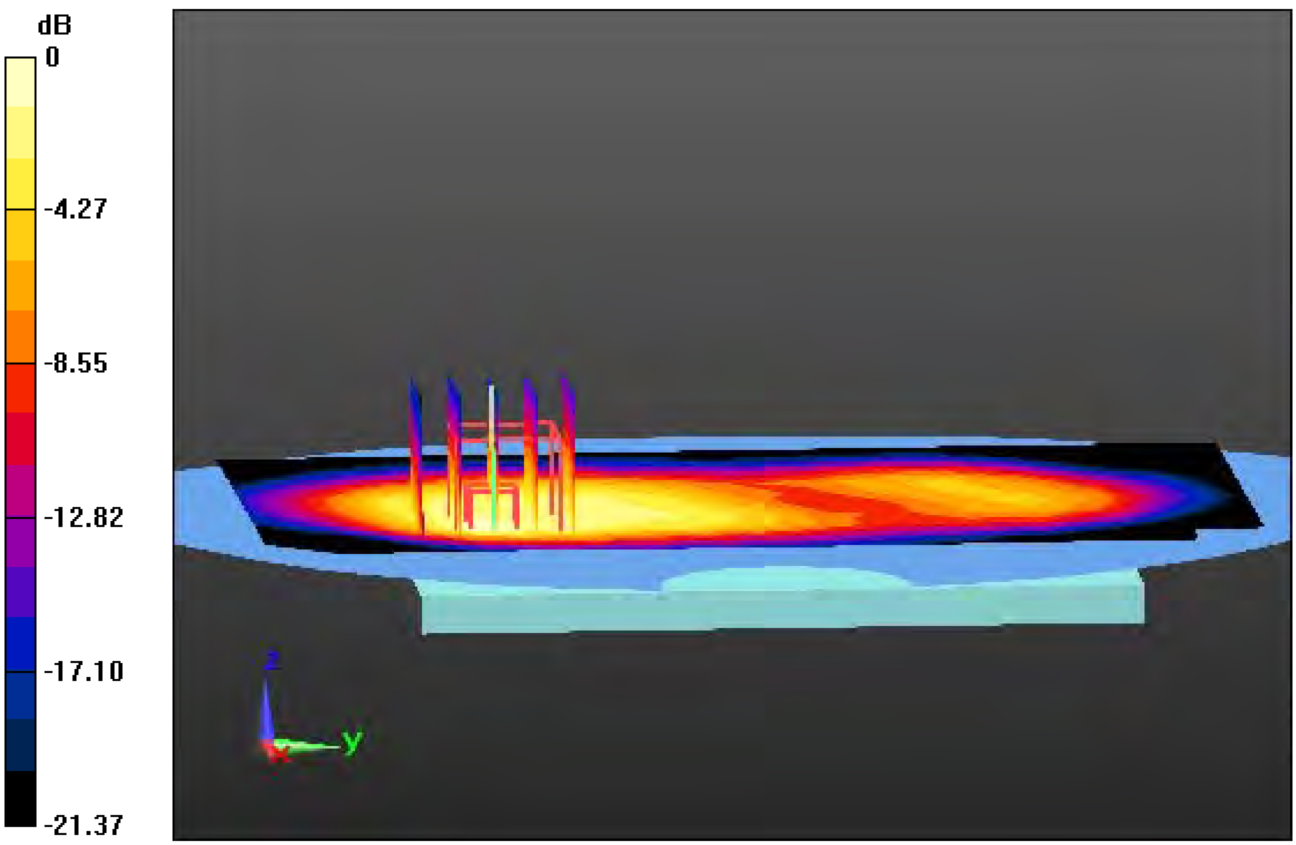
Communication System: UID 0, WCDMA 1900 (0); Frequency: 1880 MHz;Duty Cycle: 1:1
Medium parameters used: f = 1880 MHz; σ = 1.535 S/m; ε_r = 51.579; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:
Probe: EX3DV4 - SN7337; ConvF(8.03, 8.03, 8.03); Calibrated: 11/22/2018; Electronics: DAE4 Sn1392
Sensor-Surface: 2mm (Mechanical Surface Detection)
Phantom: SAM_Right_20170922; Type: QD000P40CD; Serial: 1895
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7372)

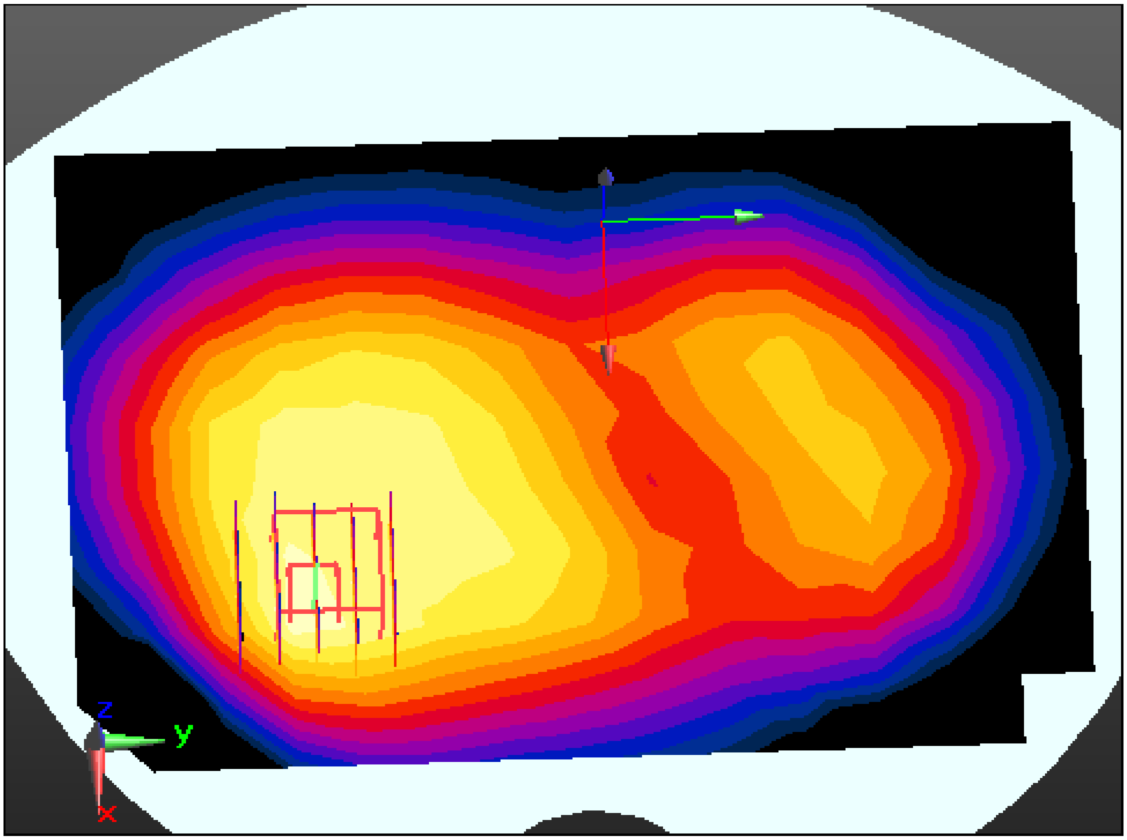
Test Date: 2019-01-03; Ambient Temp: 22.4; Tissue Temp: 22.5

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 = 0.01 dB
Peak SAR (extrapolated) = 1.21 W/kg
SAR(1 g) = 0.653 W/kg; SAR(10 g) = 0.354 W/kg



0 dB = 0.937 W/kg



Enlarged Plot for A17

DT&C Co., Ltd.

DUT: LM-X420EM; Type: Bar

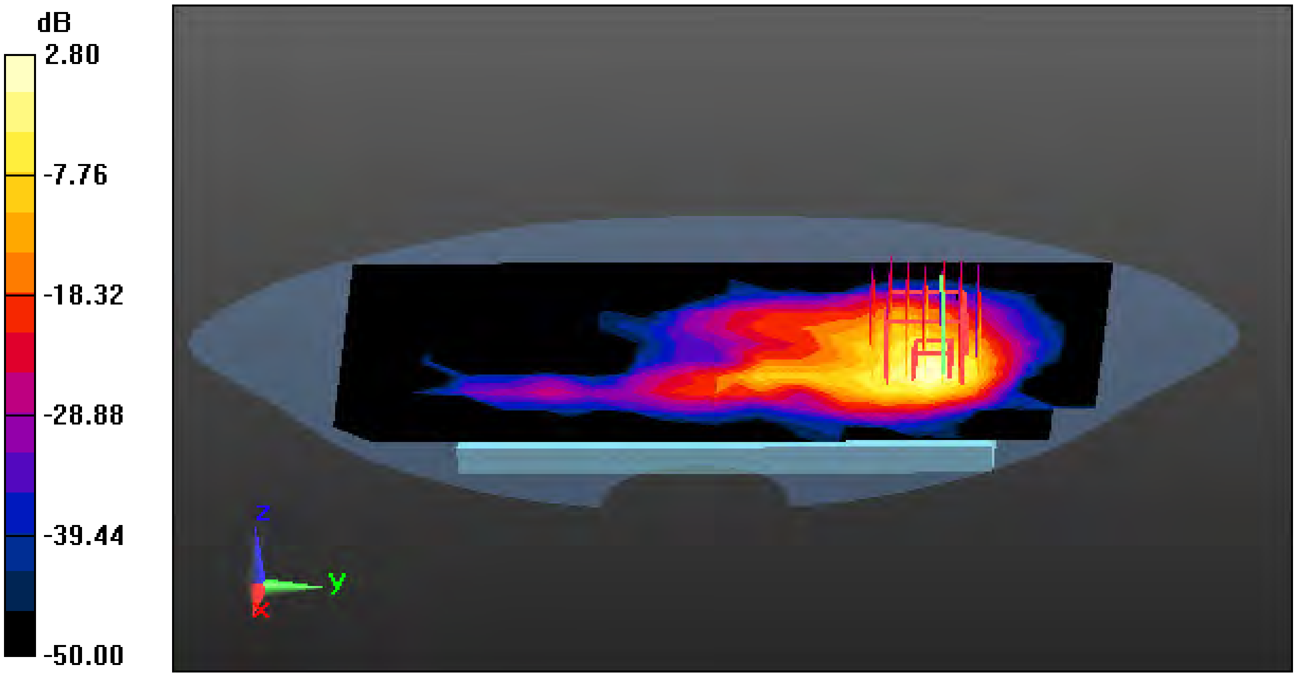
Communication System: UID 0, 00_2.4 GHz W-LAN (0); Frequency: 2412 MHz; Duty Cycle: 1:1
Medium parameters used: f = 2412 MHz; σ = 1.903 S/m; ε_r = 54.433; ρ = 1000 kg/m^3
Phantom section: Flat Section

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

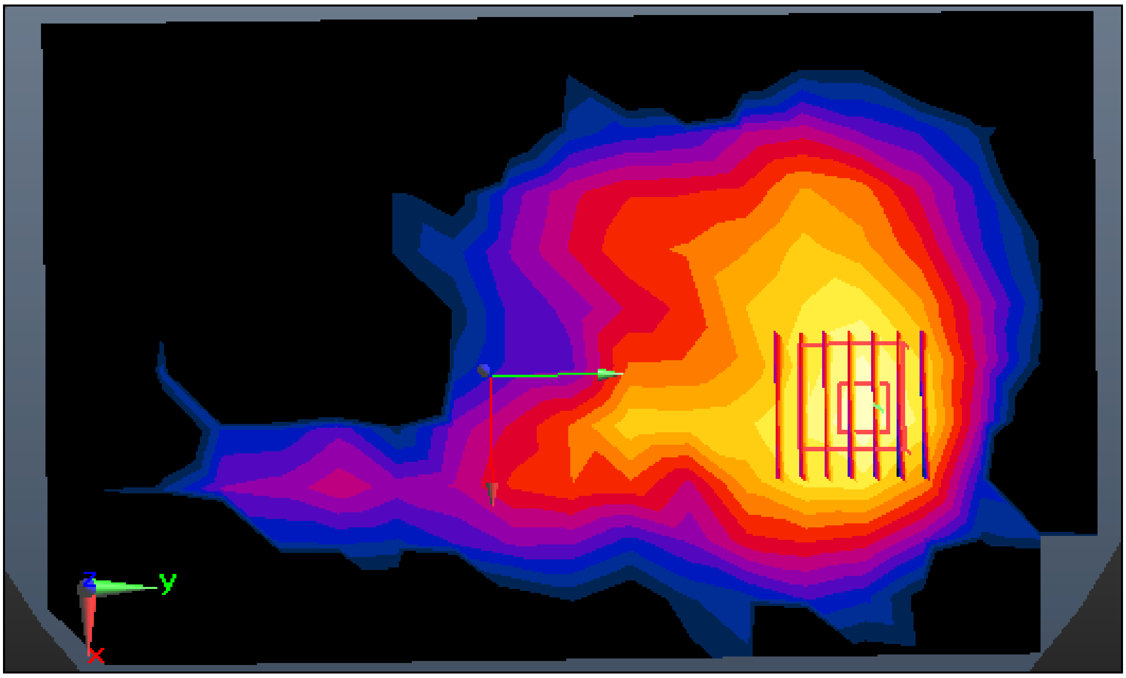
Test Date: 2019-01-02; Ambient Temp: 20.9; Tissue Temp: 20.7

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

Area Scan (12x19x1): Measurement grid: dx=12mm, dy=12mm
Zoom Scan (8x8x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Power Drift = 0.01 dB
Peak SAR (extrapolated) = 0.249 W/kg
SAR(1 g) = 0.119 W/kg; SAR(10 g) = 0.061 W/kg



0 dB = 0.177 W/kg



Enlarged Plot for A18

DT&C Co., Ltd.

DUT: LM-X420EM; Type: Bar

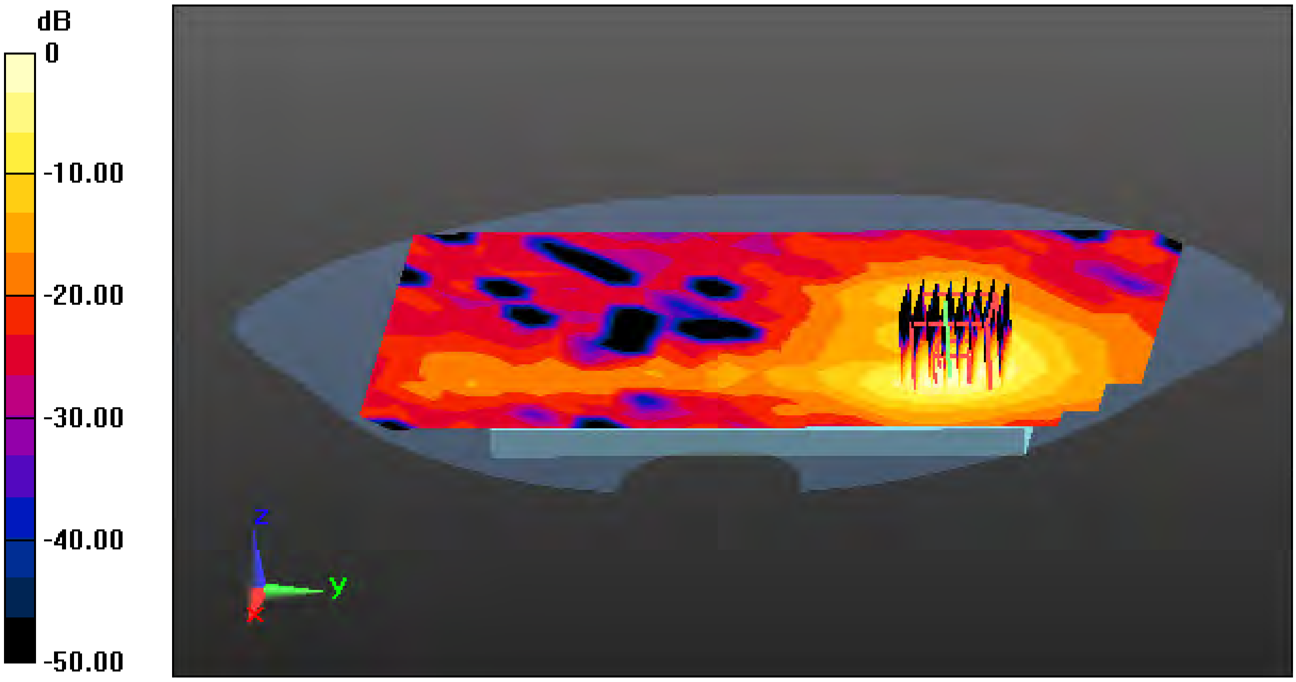
Communication System: UID 0, W-LAN_5 GHz(FCC) (0); Frequency: 5280 MHz; Duty Cycle: 1:1
Medium parameters used: f = 5280 MHz; σ = 5.378 S/m; ε_r = 48.547; ρ = 1000 kg/m^3
Phantom section: Flat Section

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

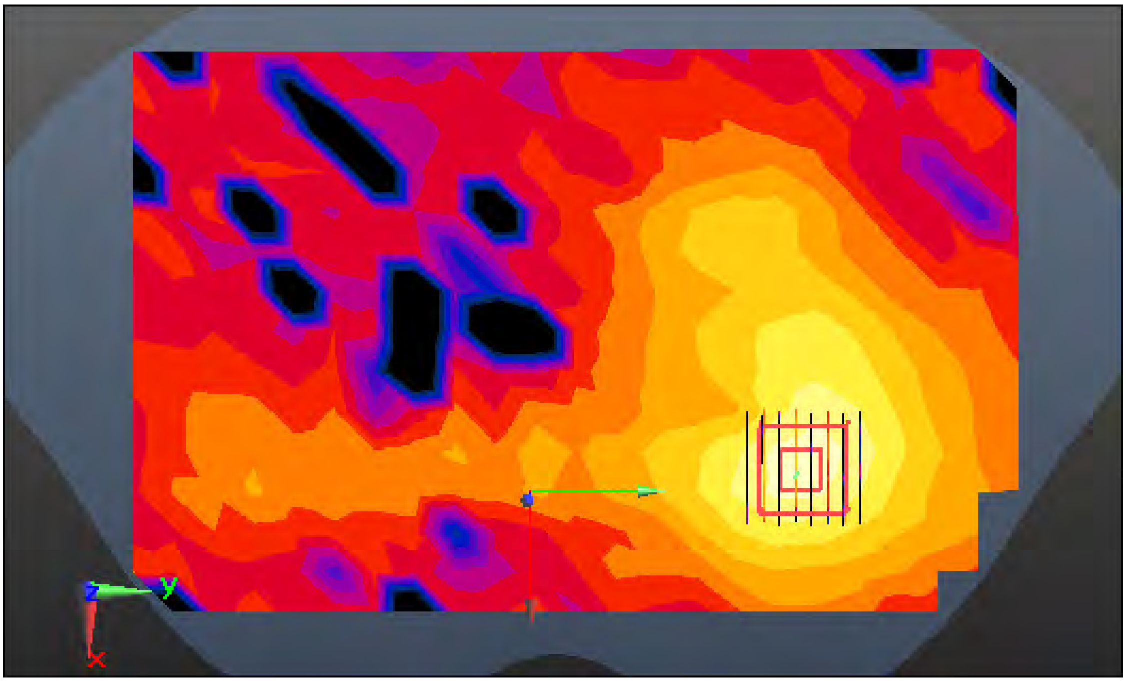
Test Date: 2019-01-05; Ambient Temp: 21.1; Tissue Temp: 21.0

1 cm space from Body, Rear, W-LAN(802.11a - 5.3G) Ch. 56, Ant Internal

Area Scan (15x23x1): Measurement grid: dx=10mm, dy=10mm
Zoom Scan (8x8x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm, Graded Ratio: 1.4
Power Drift = -0.11 dB
Peak SAR (extrapolated) = 1.31 W/kg
SAR(1 g) = 0.337 W/kg; SAR(10 g) = 0.107 W/kg



0 dB = 0.809 W/kg



Enlarged Plot for A19

DT&C Co., Ltd.

DUT: LM-X420EM; Type: Bar

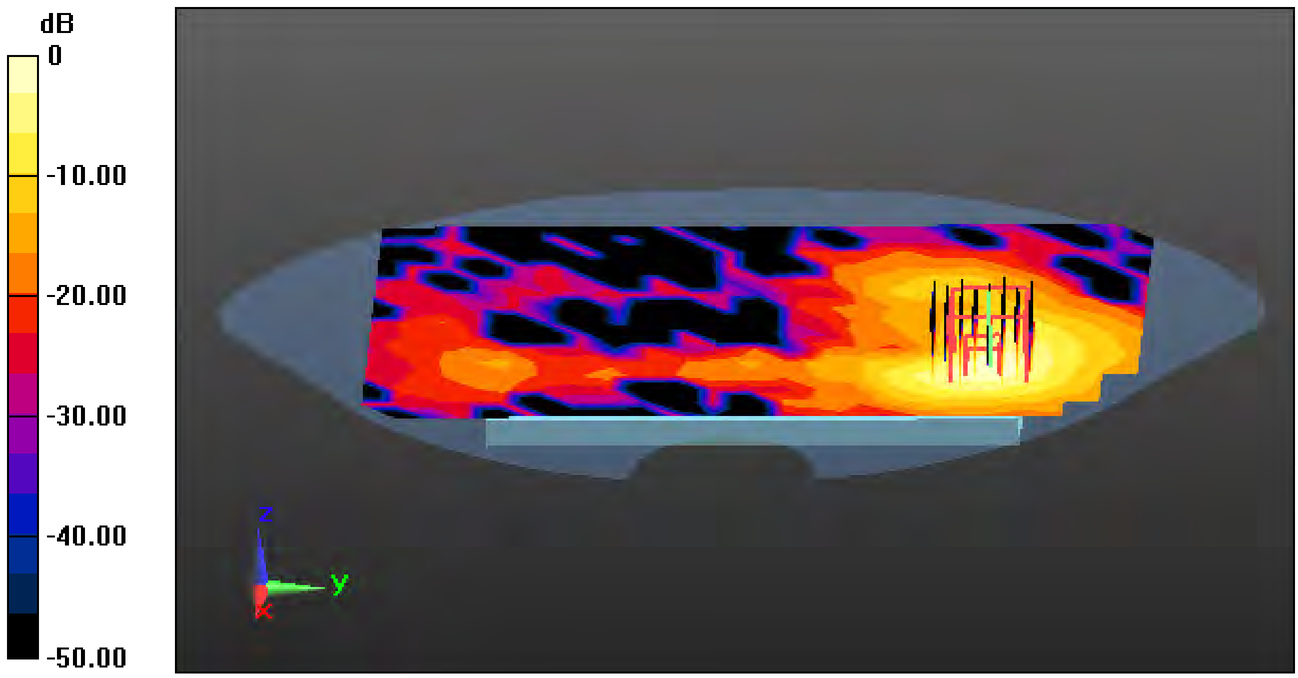
Communication System: UID 0, W-LAN_5 GHz(FCC) (0); Frequency: 5500 MHz; Duty Cycle: 1:1
Medium parameters used: f = 5500 MHz; σ = 5.46 S/m; ε_r = 47.375; ρ = 1000 kg/m^3
Phantom section: Flat Section

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

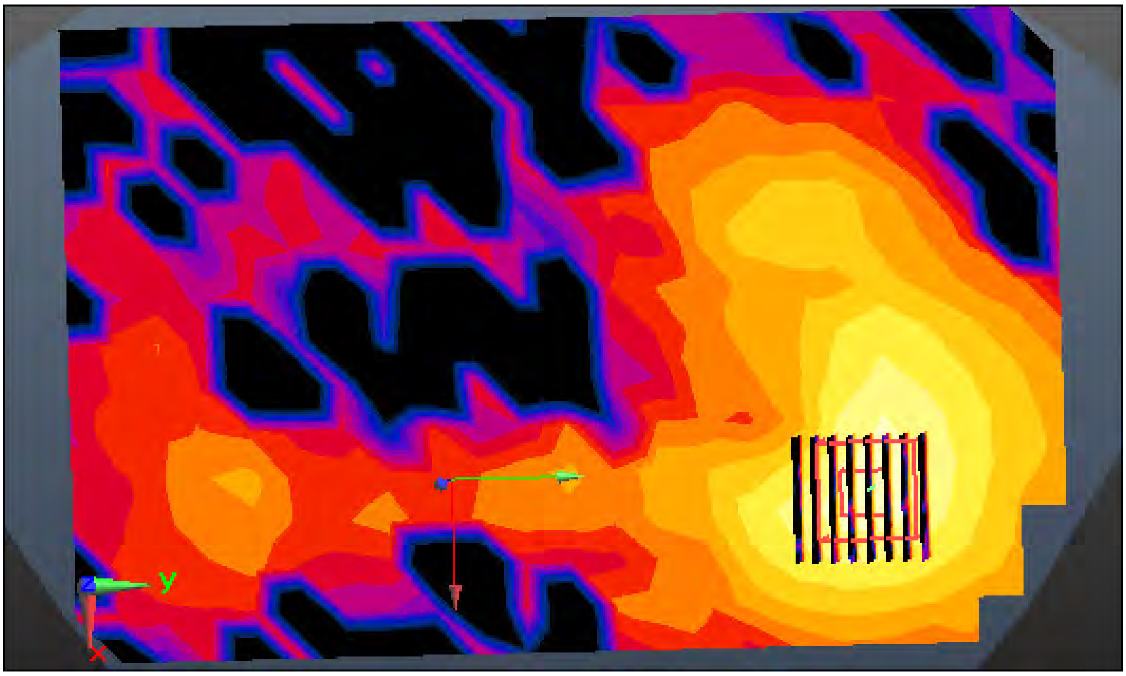
Test Date: 2019-01-07; Ambient Temp: 21.0; Tissue Temp: 21.3

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

Area Scan (15x23x1): Measurement grid: dx=10mm, dy=10mm
Zoom Scan (8x8x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm, Graded Ratio: 1.4
Power Drift = -0.03 dB
Peak SAR (extrapolated) = 1.11 W/kg
SAR(1 g) = 0.275 W/kg; SAR(10 g) = 0.090 W/kg



0 dB = 0.656 W/kg



Enlarged Plot for A20

DT&C Co., Ltd.

DUT: LM-X420EM; Type: Bar

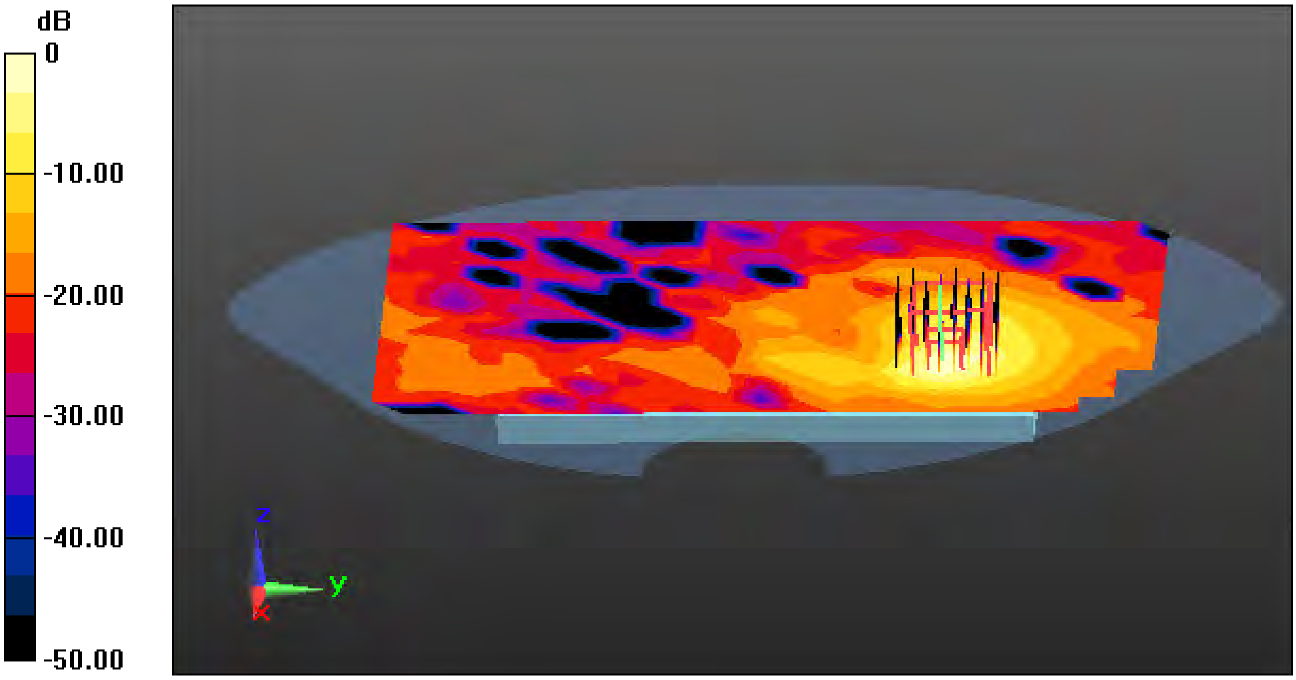
Communication System: UID 0, W-LAN_5 GHz(FCC) (0); Frequency: 5785 MHz; Duty Cycle: 1:1
Medium parameters used: f = 5785 MHz; σ = 5.877 S/m; ε_r = 46.904; ρ = 1000 kg/m^3
Phantom section: Flat Section

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

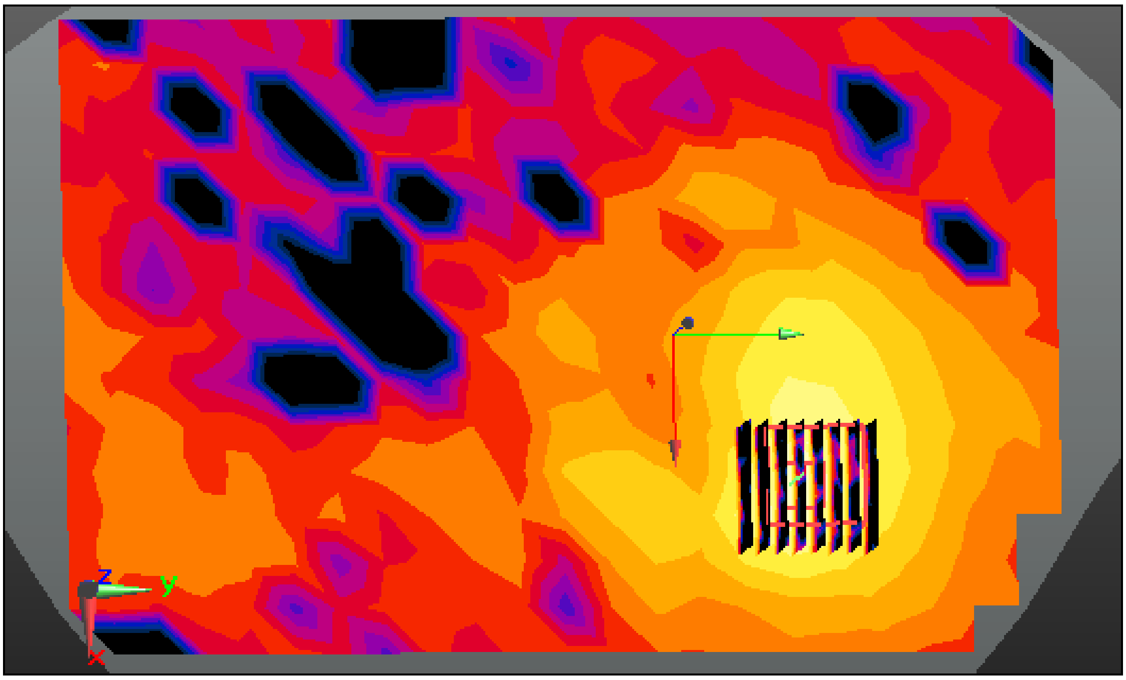
Test Date: 2019-01-03; Ambient Temp: 20.5; Tissue Temp: 20.8

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

Area Scan (15x23x1): Measurement grid: dx=10mm, dy=10mm
Zoom Scan (8x8x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm, Graded Ratio: 1.4
Power Drift = -0.17 dB
Peak SAR (extrapolated) = 1.17 W/kg
SAR(1 g) = 0.248 W/kg; SAR(10 g) = 0.074 W/kg



0 dB = 0.642 W/kg



Enlarged Plot for A21

DUT: LM-X420EM; Type: Bar

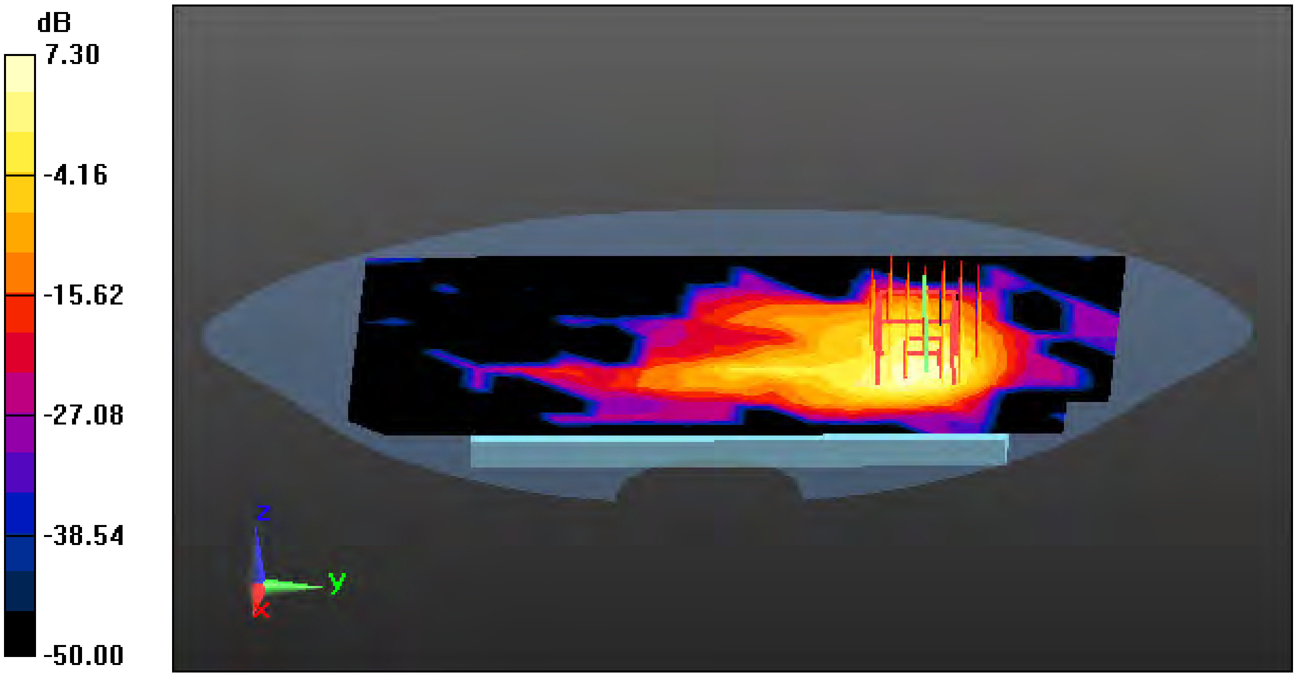
Communication System: UID 0, Bluetooth (0); Frequency: 2441 MHz; Duty Cycle: 1:1.302
Medium parameters used: f = 2441 MHz; σ = 1.941 S/m; ε_r = 54.352; ρ = 1000 kg/m^3
Phantom section: Flat Section

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

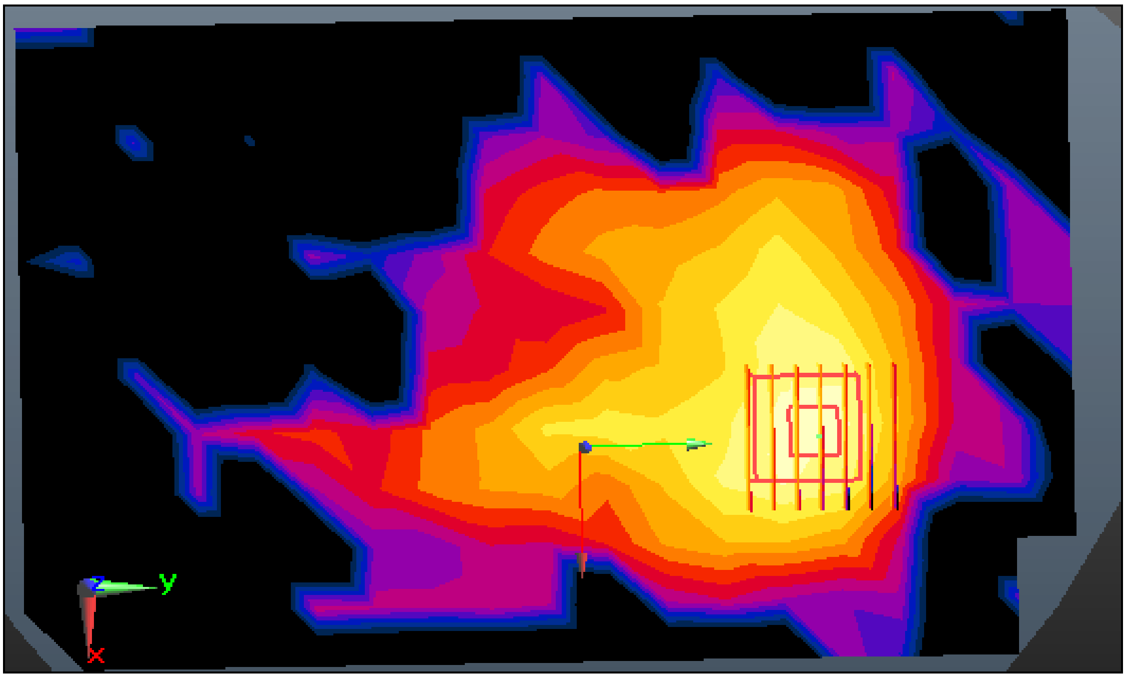
Test Date: 2019-01-02; Ambient Temp: 20.9; Tissue Temp: 20.7

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

Area Scan (12x19x1): Measurement grid: dx=12mm, dy=12mm
Zoom Scan (8x8x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Power Drift = 0.00 dB
Peak SAR (extrapolated) = 0.0690 W/kg
SAR(1 g) = 0.031 W/kg; SAR(10 g) = 0.015 W/kg



0 dB = 0.0480 W/kg



Enlarged Plot for A22

DUT: LM-X420EM; Type: Bar

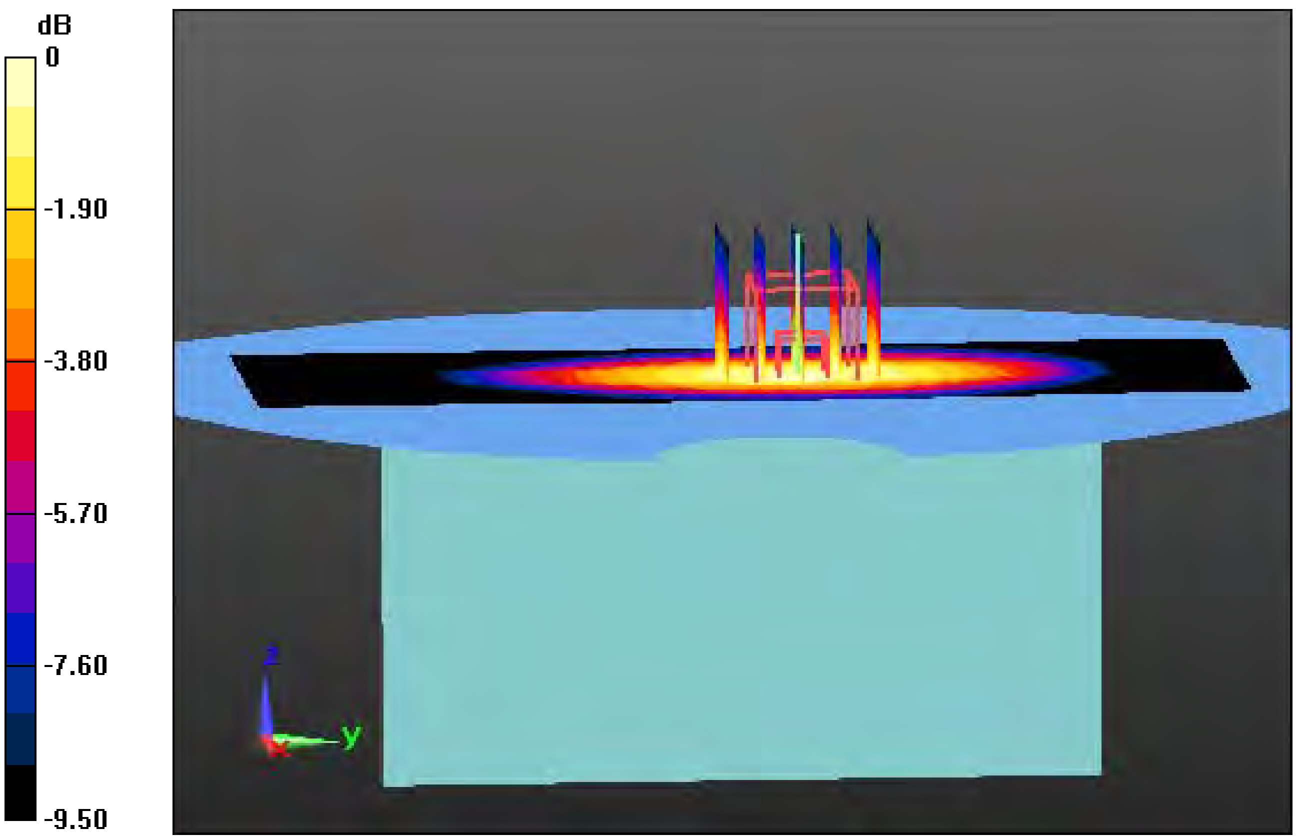
Communication System: UID 0, GSM 850_12 (0); Frequency: 836.6 MHz;Duty Cycle: 1:2.075
Medium parameters used: f = 836.6 MHz; σ = 0.993 S/m; ε_r = 54.185; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:
Probe: EX3DV4 - SN7337; ConvF(10.23, 10.23, 10.23); Calibrated: 11/22/2018; Electronics: DAE4 Sn1392
Sensor-Surface: 2mm (Mechanical Surface Detection)
Phantom: SAM_Right_20170922; Type: QD000P40CD; Serial: 1895
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7372)

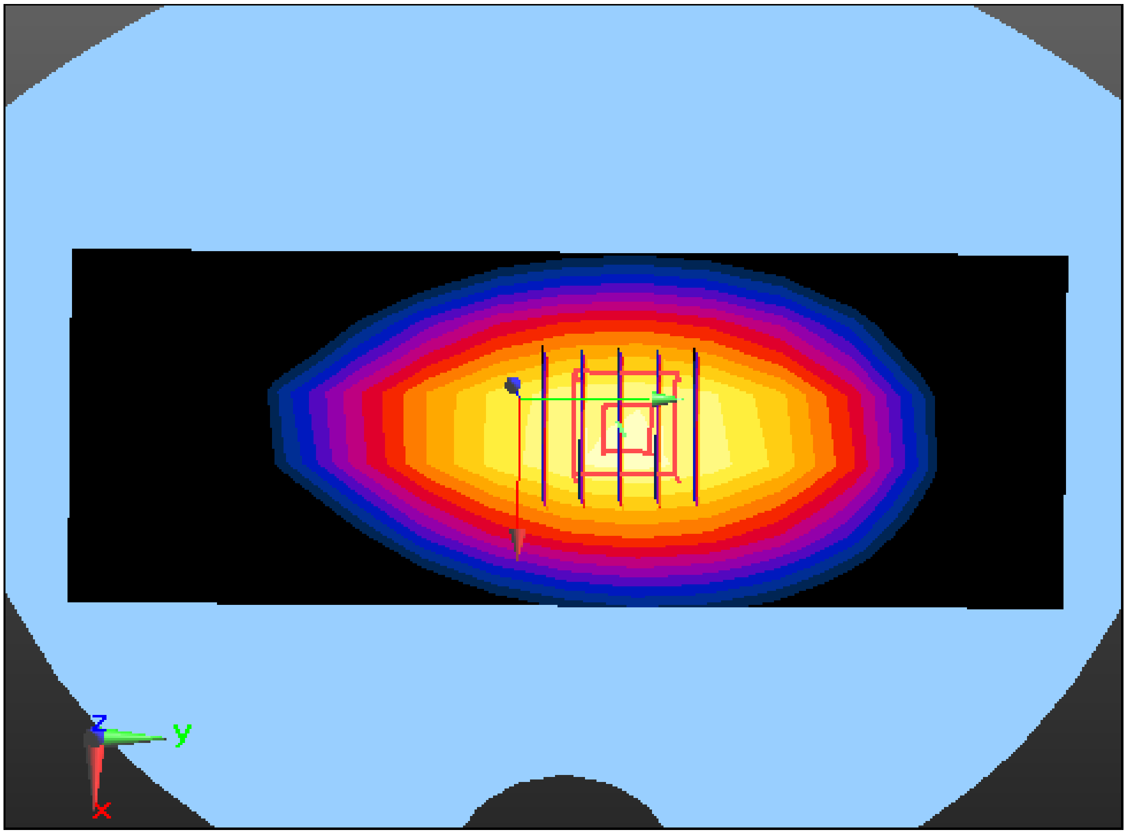
Test Date: 2019-01-08; Ambient Temp: 22.5; Tissue Temp: 22.4

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

Area Scan (6x15x1): Measurement grid: dx=15mm, dy=15mm
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Power Drift = 0.02 dB
Peak SAR (extrapolated) = 0.632 W/kg
SAR(1 g) = 0.448 W/kg; SAR(10 g) = 0.309 W/kg



0 dB = 0.551 W/kg



Enlarged Plot for A23

DUT: LM-X420EM; Type: Bar

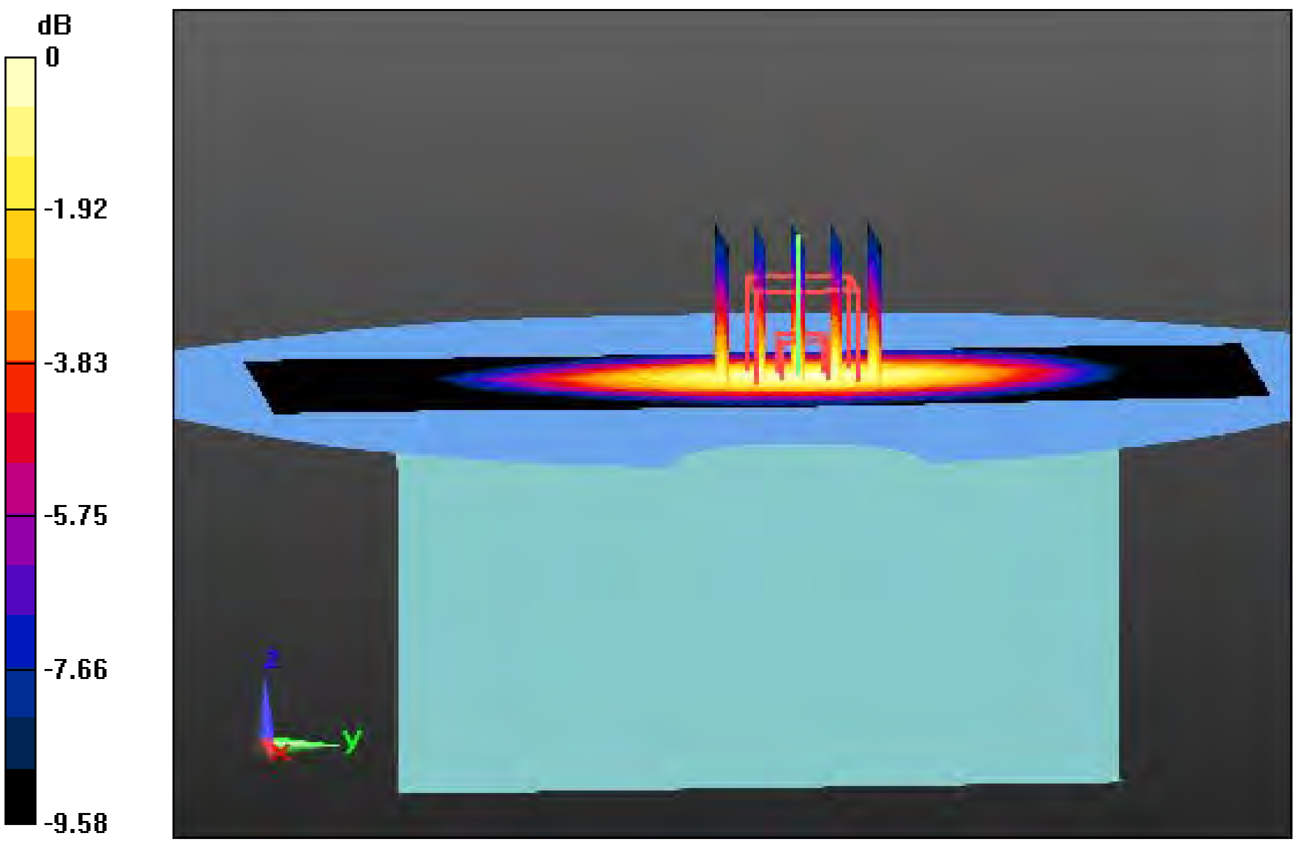
Communication System: UID 0, WCDMA 850 (0); Frequency: 836.6 MHz;Duty Cycle: 1:1
Medium parameters used: f = 836.6 MHz; σ = 0.993 S/m; ε_r = 54.185; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:
Probe: EX3DV4 - SN7337; ConvF(10.23, 10.23, 10.23); Calibrated: 11/22/2018; Electronics: DAE4 Sn1392
Sensor-Surface: 2mm (Mechanical Surface Detection)
Phantom: SAM_Right_20170922; Type: QD000P40CD; Serial: 1895
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7372)

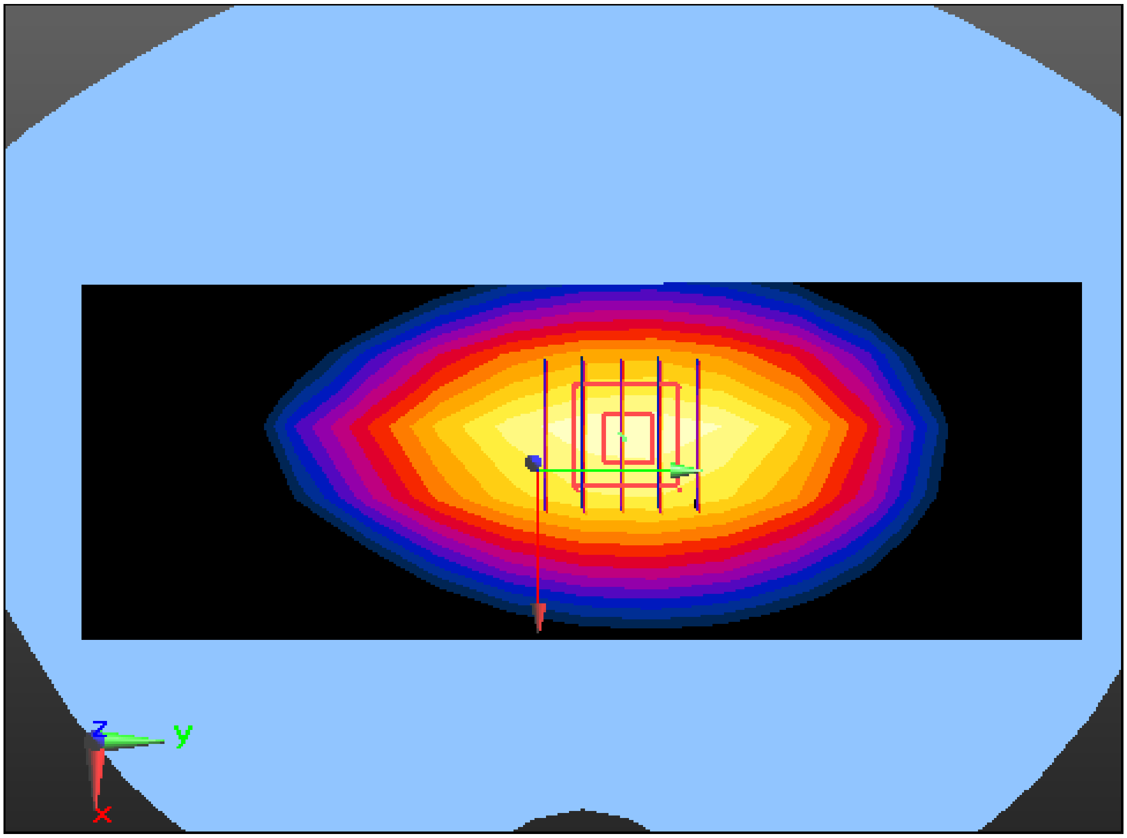
Test Date: 2019-01-08; Ambient Temp: 22.5; Tissue Temp: 22.4

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

Area Scan (6x15x1): Measurement grid: dx=15mm, dy=15mm
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Power Drift = -0.03 dB
Peak SAR (extrapolated) = 0.892 W/kg
SAR(1 g) = 0.628 W/kg; SAR(10 g) = 0.432 W/kg



0 dB = 0.775 W/kg



Enlarged Plot for A24

DUT: LM-X420EM; Type: Bar

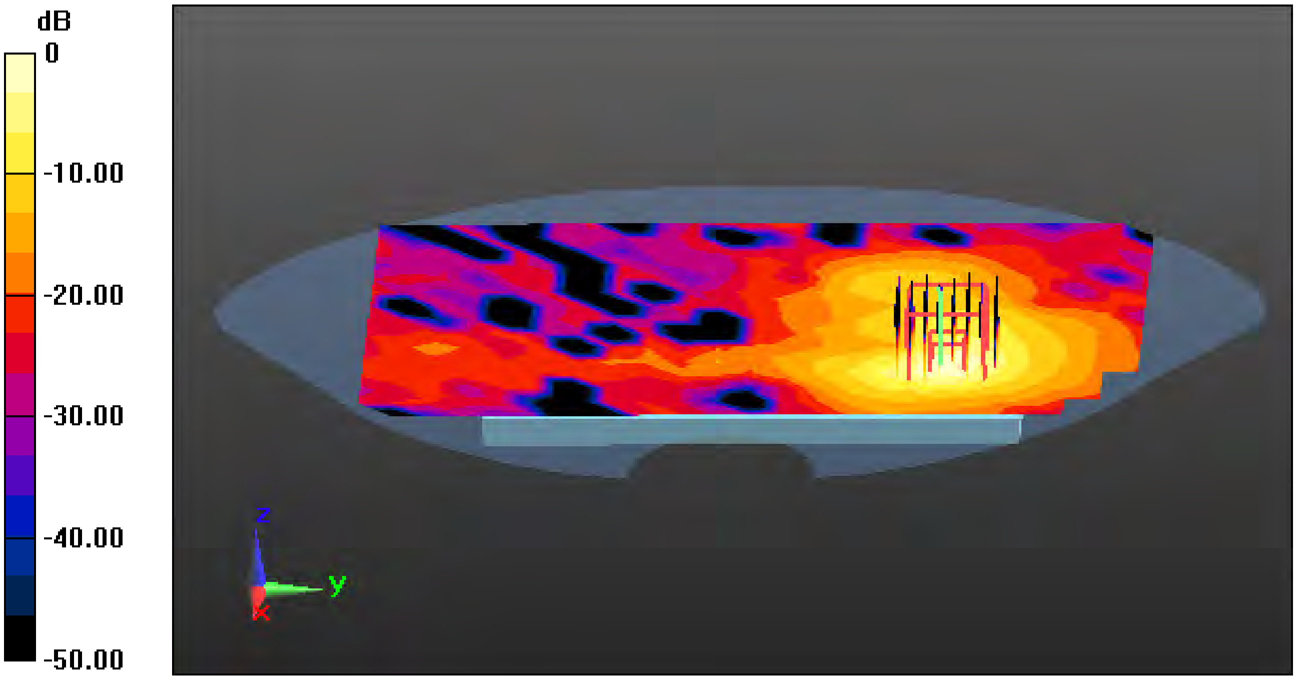
Communication System: UID 0, W-LAN_5 GHz(FCC) (0); Frequency: 5180 MHz; Duty Cycle: 1:1
Medium parameters used: f = 5180 MHz; σ = 5.26 S/m; ε_r = 49.074; ρ = 1000 kg/m^3
Phantom section: Flat Section

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

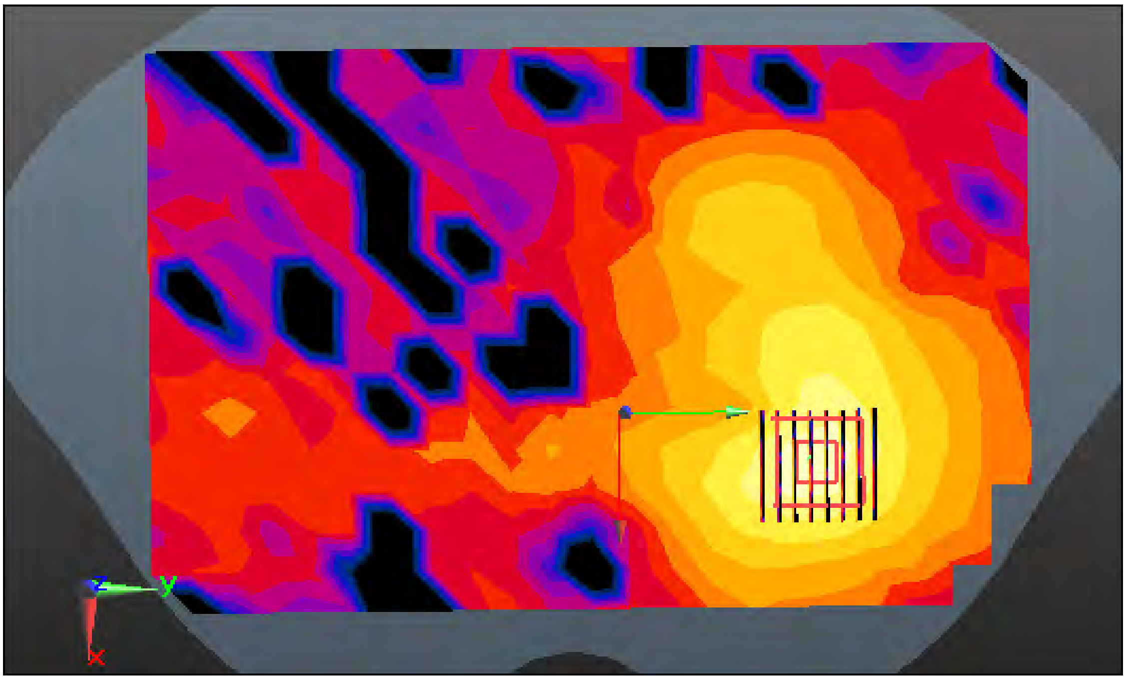
Test Date: 2019-01-04; Ambient Temp: 21.0; Tissue Temp: 20.9

1 cm space from Body, Rear, W-LAN(802.11a - 5.2G) Ch. 36, Ant Internal

Area Scan (15x23x1): Measurement grid: dx=10mm, dy=10mm
Zoom Scan (8x8x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm, Graded Ratio: 1.4
Power Drift = -0.12 dB
Peak SAR (extrapolated) = 1.20 W/kg
SAR(1 g) = 0.315 W/kg; SAR(10 g) = 0.099 W/kg



0 dB = 0.743 W/kg



Enlarged Plot for A25

DT&C Co., Ltd.

DUT: LM-X420EM; Type: Bar

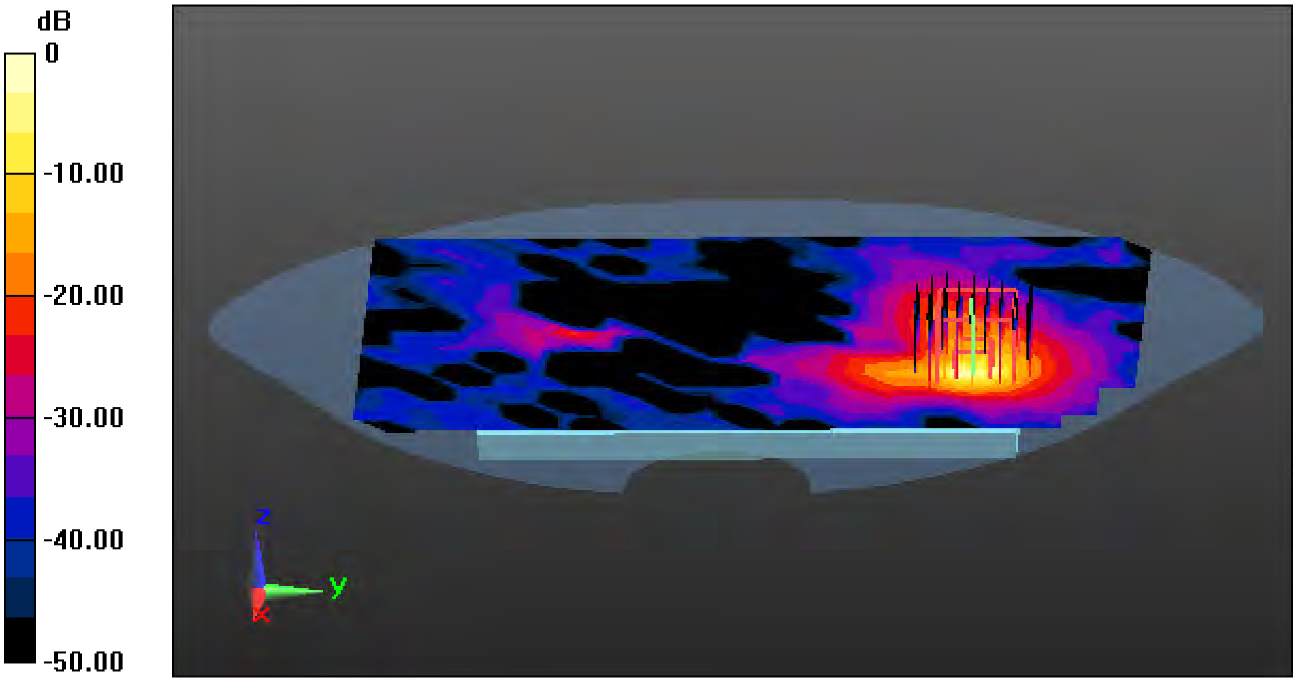
Communication System: UID 0, W-LAN_5 GHz(FCC) (0); Frequency: 5280 MHz; Duty Cycle: 1:1
Medium parameters used: f = 5280 MHz; σ = 5.378 S/m; ε_r = 48.547; ρ = 1000 kg/m^3
Phantom section: Flat Section

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

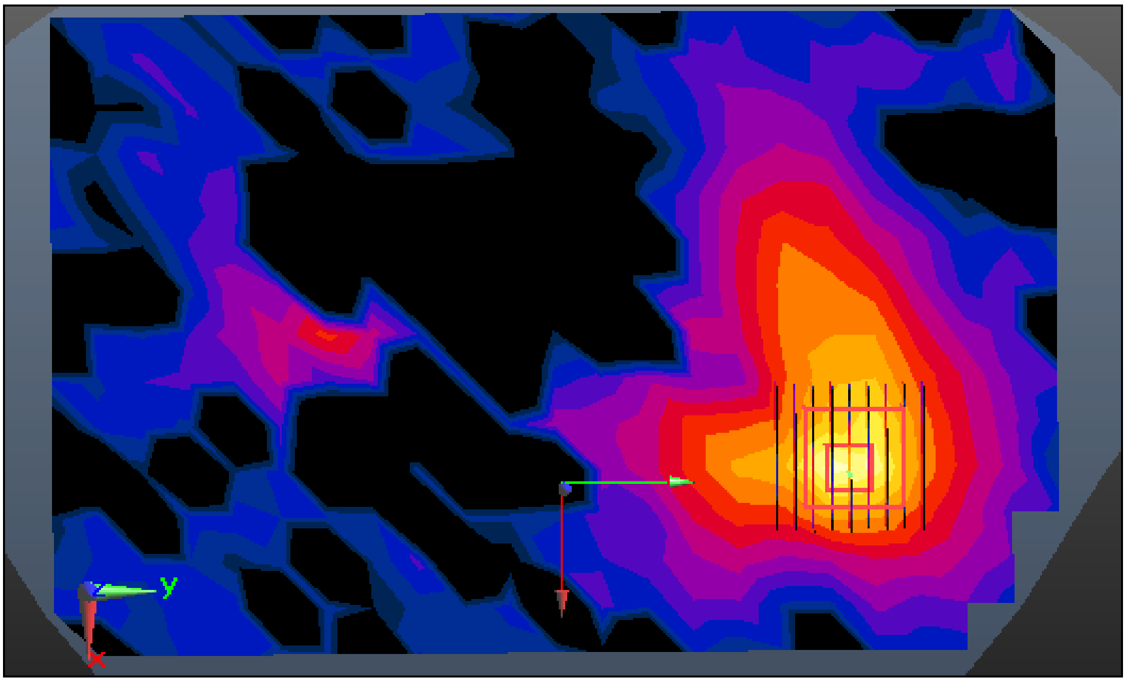
Test Date: 2019-01-05; Ambient Temp: 21.1; Tissue Temp: 21.0

Touch from Body, Rear, W-LAN(802.11a - 5.3G) Ch. 56, Ant Internal

Area Scan (15x23x1): Measurement grid: dx=10mm, dy=10mm
Zoom Scan (9x9x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm, Graded Ratio: 1.4
Power Drift = 0.00 dB
Peak SAR (extrapolated) = 30.8 W/kg
SAR(1 g) = 4.66 W/kg; SAR(10 g) = 0.858 W/kg



0 dB = 15.6 W/kg



Enlarged Plot for A26

DUT: LM-X420EM; Type: Bar

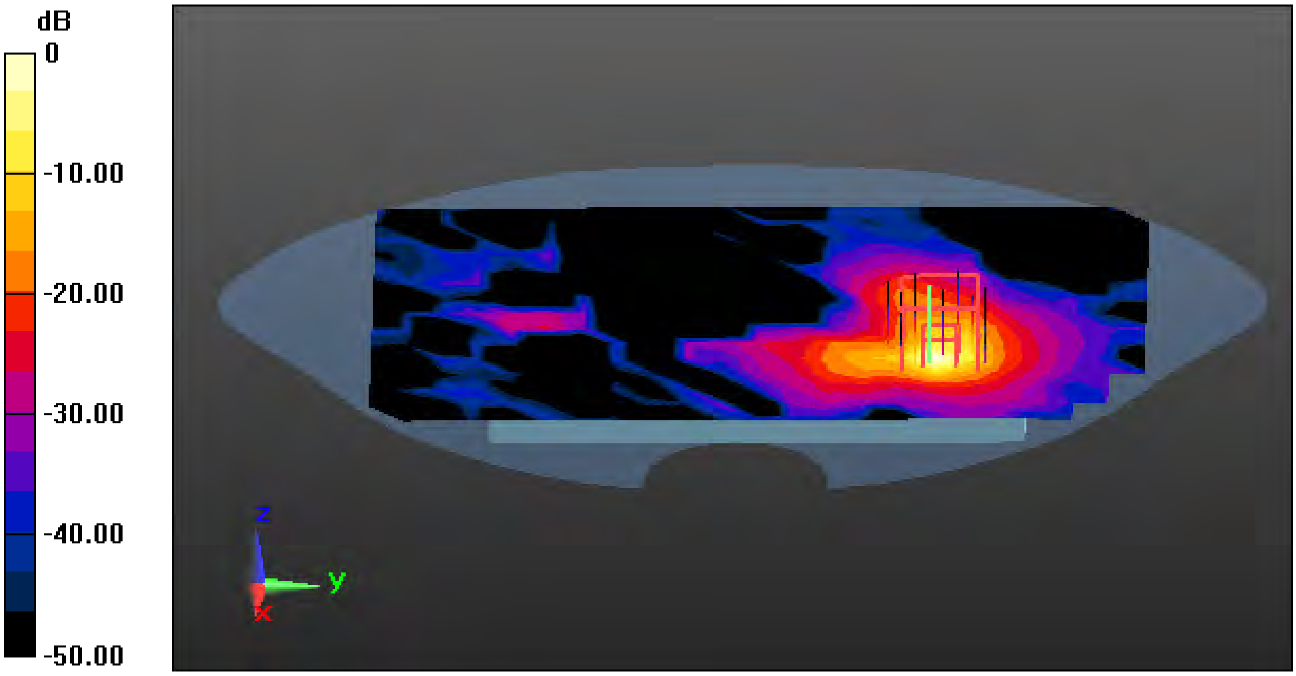
Communication System: UID 0, W-LAN_5 GHz(FCC) (0); Frequency: 5500 MHz; Duty Cycle: 1:1
Medium parameters used: f = 5500 MHz; σ = 5.46 S/m; ε_r = 47.375; ρ = 1000 kg/m^3
Phantom section: Flat Section

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

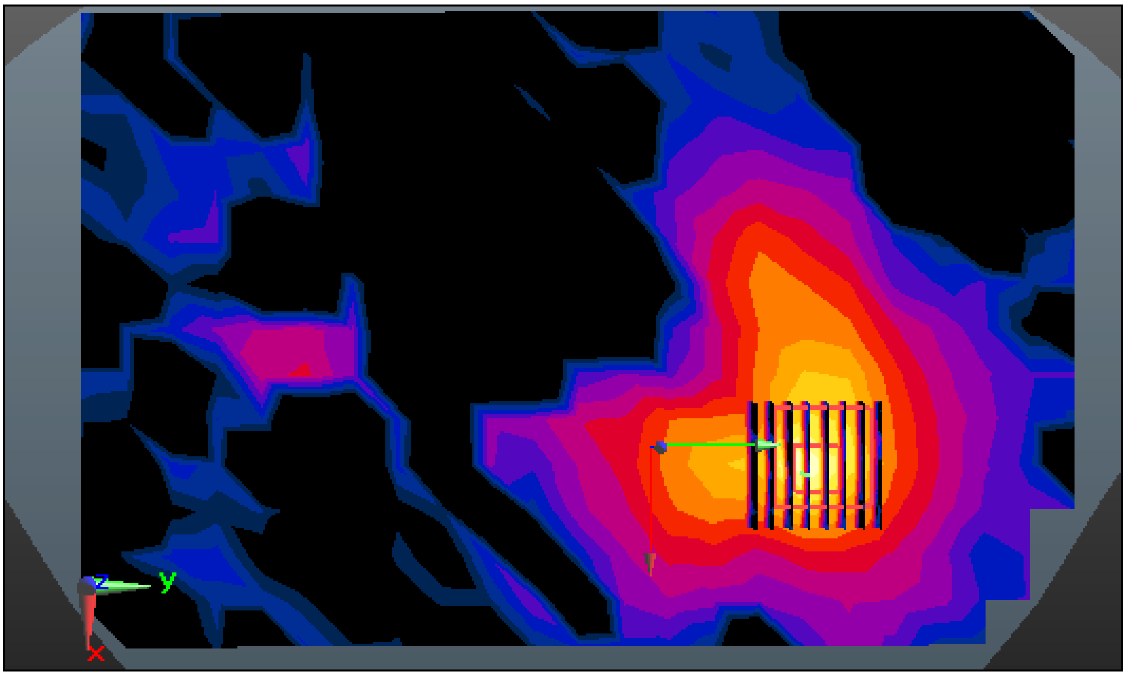
Test Date: 2019-01-07; Ambient Temp: 21.0; Tissue Temp: 21.3

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

Area Scan (15x23x1): Measurement grid: dx=10mm, dy=10mm
Zoom Scan (8x8x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm, Graded Ratio: 1.4
Power Drift = -0.17 dB
Peak SAR (extrapolated) = 33.0 W/kg
SAR(1 g) = 4.41 W/kg; SAR(10 g) = 0.795 W/kg



0 dB = 14.6 W/kg



Enlarged Plot for A27

DT&C Co., Ltd.

DUT: LM-X420EM; Type: Bar

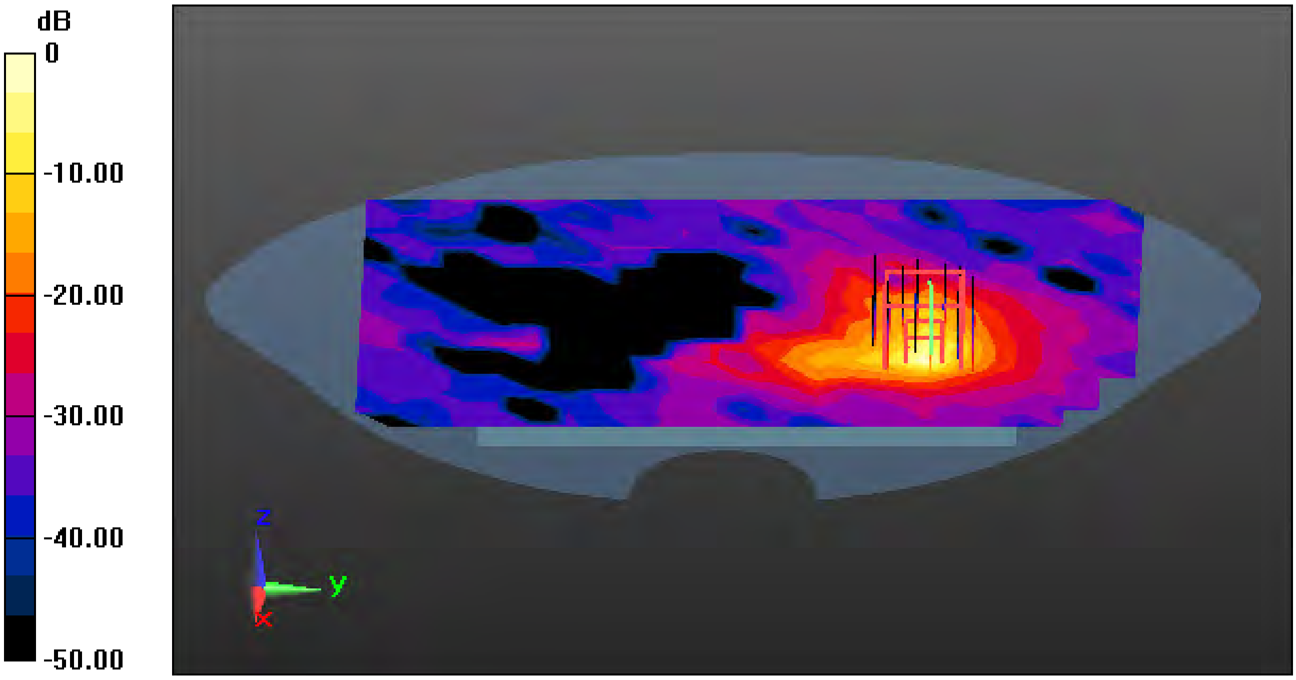
Communication System: UID 0, W-LAN_5 GHz(FCC) (0); Frequency: 5825 MHz; Duty Cycle: 1:1
Medium parameters used: f = 5825 MHz; σ = 5.935 S/m; ε_r = 46.833; ρ = 1000 kg/m^3
Phantom section: Flat Section

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

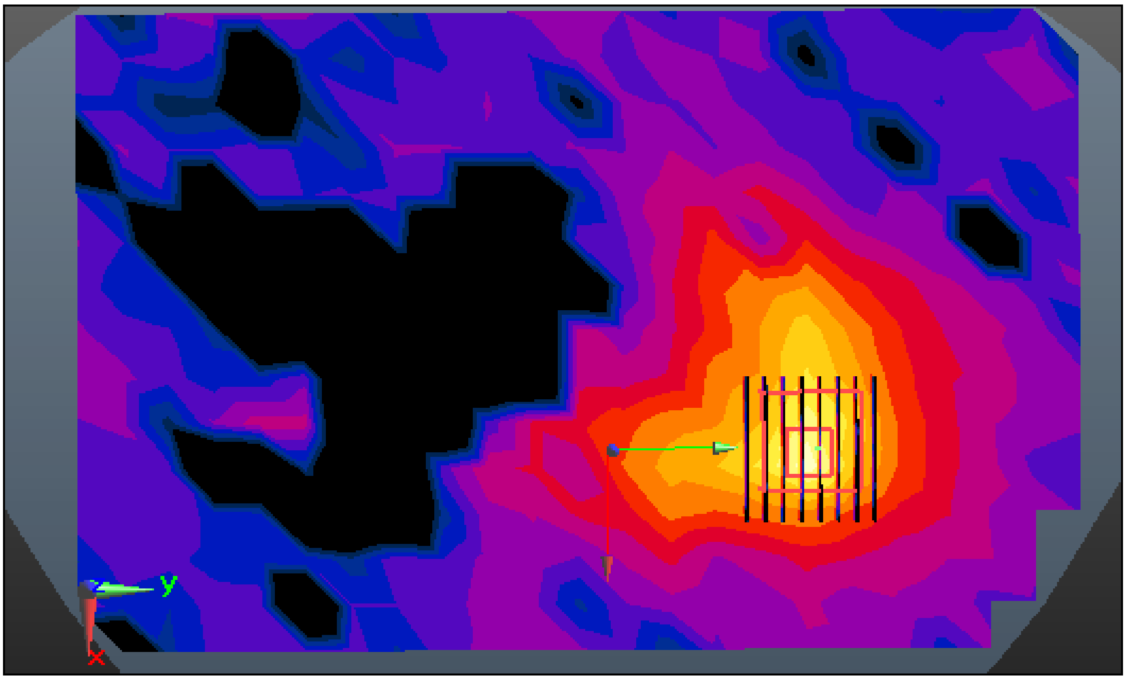
Test Date: 2019-01-03; Ambient Temp: 20.5; Tissue Temp: 20.8

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

Area Scan (15x23x1): Measurement grid: dx=10mm, dy=10mm
Zoom Scan (9x8x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm, Graded Ratio: 1.4
Power Drift = -0.19 dB
Peak SAR (extrapolated) = 27.1 W/kg
SAR(1 g) = 3.46 W/kg; SAR(10 g) = 0.666 W/kg



0 dB = 12.3 W/kg



Enlarged Plot for A28