SAR Plots

- Verification Plots
- SAR Test Plots

DT&C Co., Ltd.

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

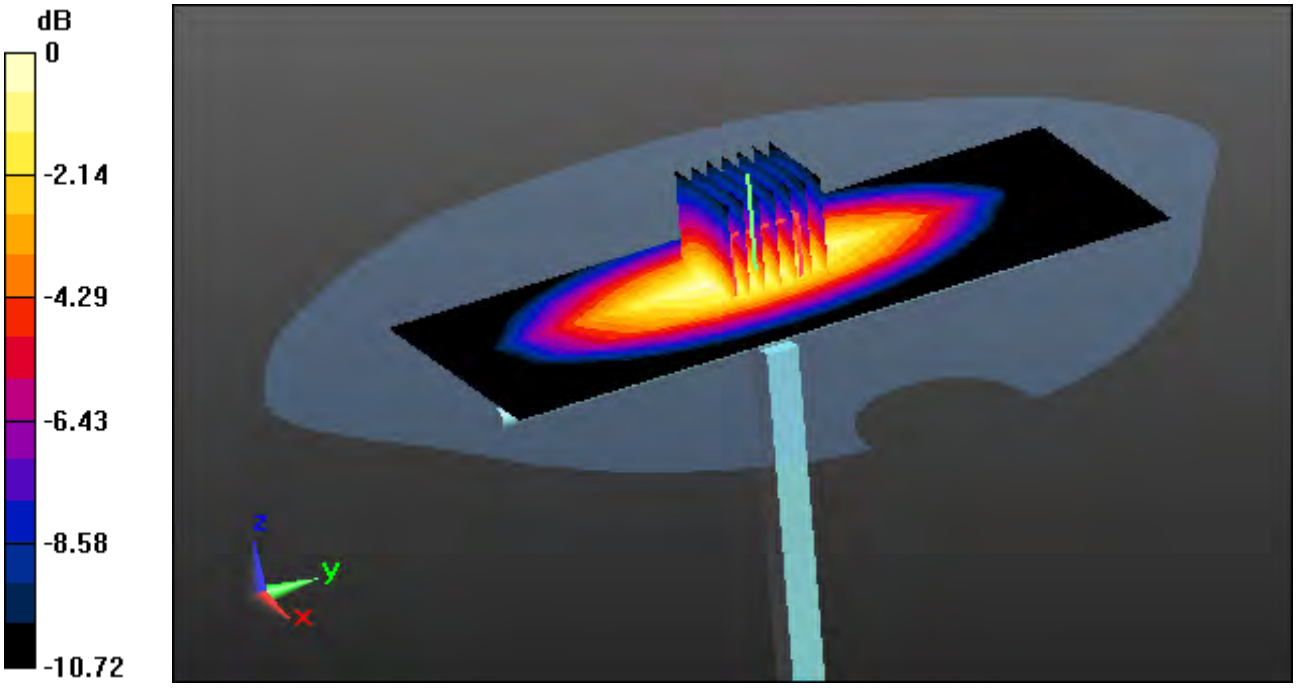
Communication System: UID 0, CW (0); Frequency: 750 MHz; Duty Cycle: 1:1
Medium parameters used: f = 750 MHz; σ = 0.924 S/m; ε_r = 40.806; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:
Probe: ES3DV3 - SN3327; ConvF(6.57, 6.57, 6.57); Calibrated: 8/28/2018; Electronics: DAE3 Sn520
Sensor-Surface: 3mm (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: 2019-03-11; Ambient Temp: 21.5; Tissue Temp: 21.2

750 MHz System Head Verification (250 mW)

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) = 3.31 W/kg
SAR(1 g) = 2.18 W/kg; SAR(10 g) = 1.41 W/kg



0 dB = 2.57 W/kg

DT&C Co., Ltd.

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

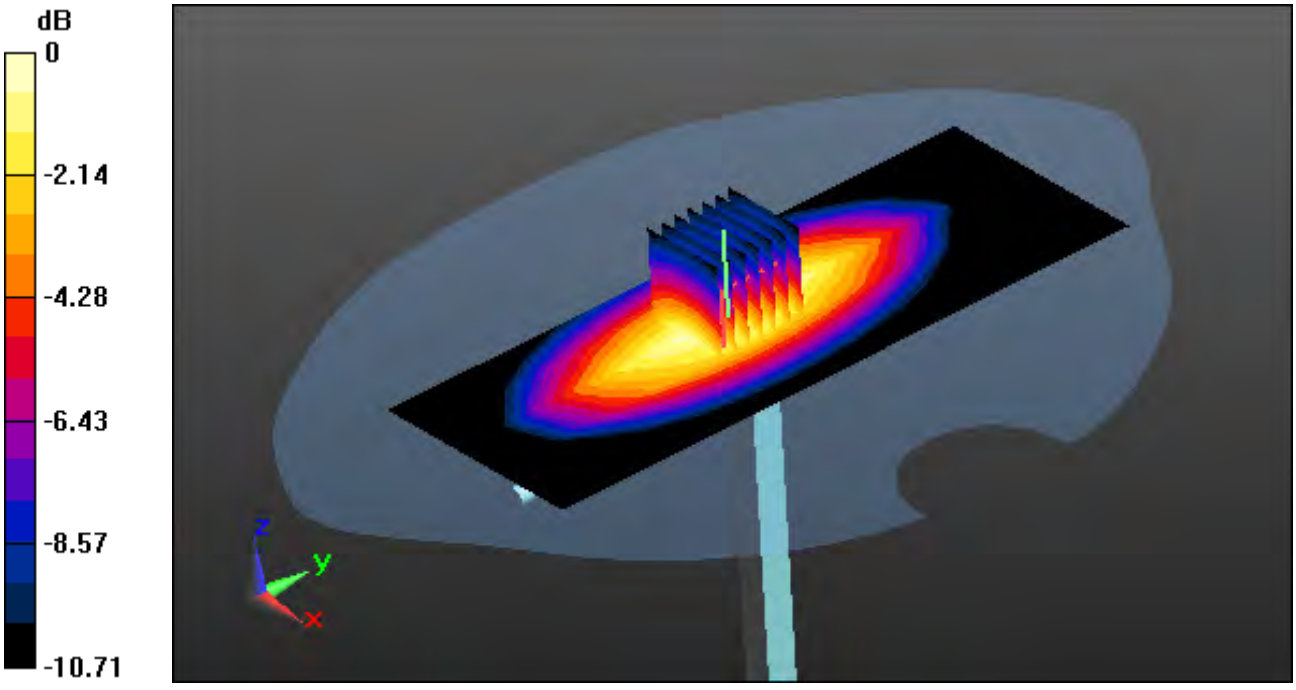
Communication System: UID 0, CW (0); Frequency: 750 MHz; Duty Cycle: 1:1
Medium parameters used: f = 750 MHz; σ = 0.968 S/m; ε_r = 55.91; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:
Probe: ES3DV3 - SN3327; ConvF(6.38, 6.38, 6.38); Calibrated: 8/28/2018; Electronics: DAE3 Sn520
Sensor-Surface: 3mm (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: 2019-03-11; Ambient Temp: 21.5; Tissue Temp: 21.4

750 MHz System Body Verification (250 mW)

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) = 3.44 W/kg
SAR(1 g) = 2.26 W/kg; SAR(10 g) = 1.45 W/kg



0 dB = 2.66 W/kg

DT&C Co., Ltd.

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

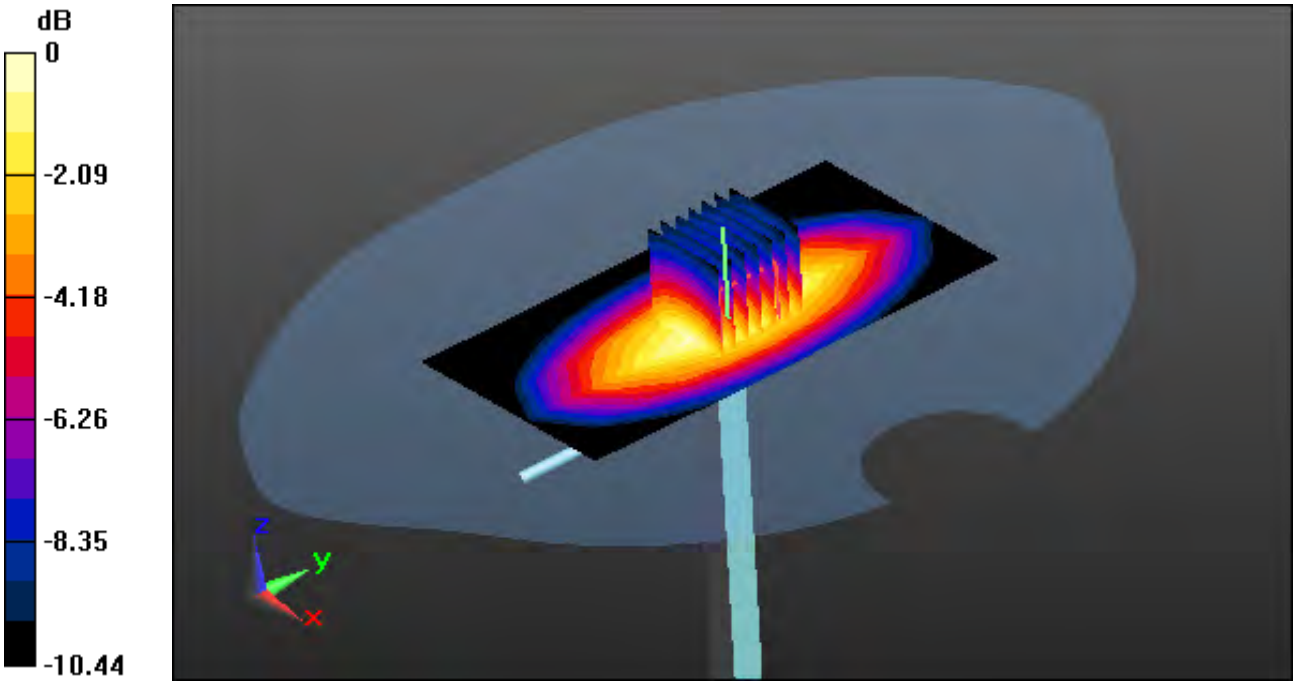
Communication System: UID 0, CW (0); Frequency: 835 MHz; Duty Cycle: 1:1
Medium parameters used: f = 835 MHz; σ = 0.9 S/m; ε_r = 41.696; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:
Probe: ES3DV3 - SN3327; ConvF(6.35, 6.35, 6.35); Calibrated: 8/28/2018; Electronics: DAE3 Sn520
Sensor-Surface: 3mm (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: 2019-03-01; Ambient Temp: 21.4; Tissue Temp: 21.1

835 MHz System Head Verification (250 mW)

Area Scan (6x11x1): Measurement grid: dx=15mm, dy=15mm
Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Power Drift = 0.02 dB
Peak SAR (extrapolated) = 3.72 W/kg
SAR(1 g) = 2.46 W/kg; SAR(10 g) = 1.58 W/kg



0 dB = 2.97 W/kg

DT&C Co., Ltd.

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

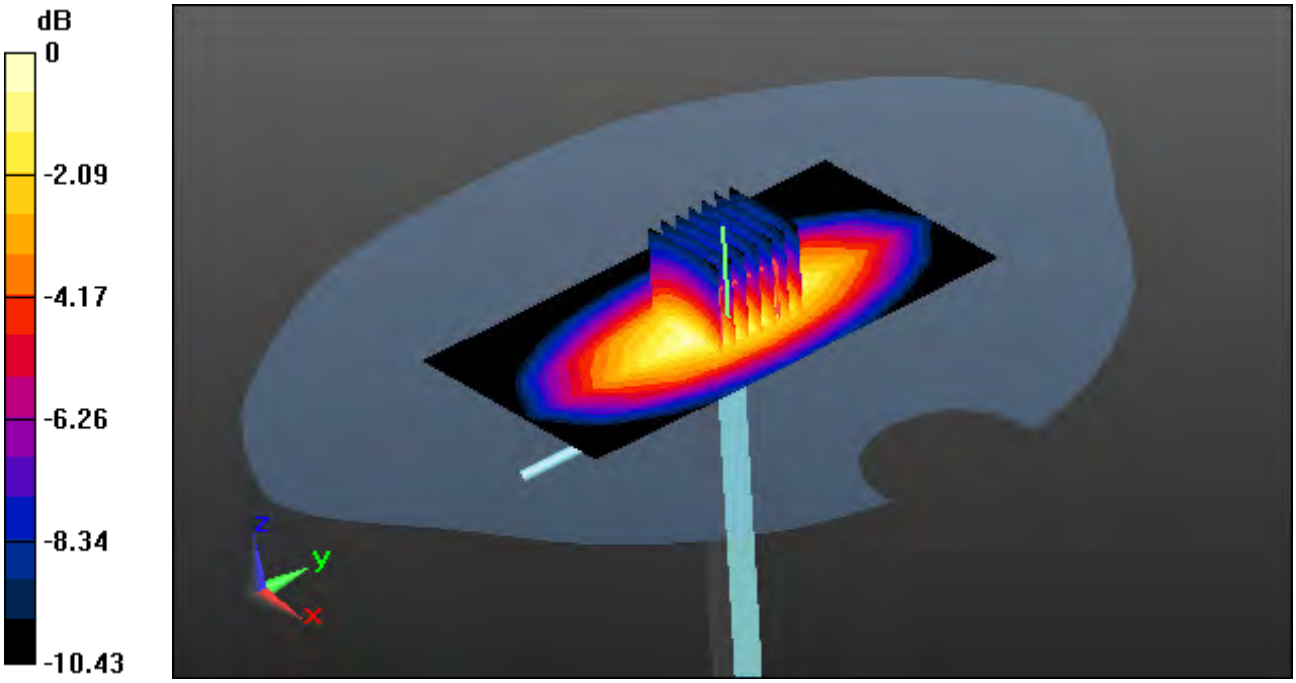
Communication System: UID 0, CW (0); Frequency: 835 MHz; Duty Cycle: 1:1
Medium parameters used: f = 835 MHz; σ = 0.99 S/m; ε_r = 54.641; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:
Probe: ES3DV3 - SN3327; ConvF(6.24, 6.24, 6.24); Calibrated: 8/28/2018; Electronics: DAE3 Sn520
Sensor-Surface: 3mm (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: 2019-03-01; Ambient Temp: 21.4; Tissue Temp: 21.3

835 MHz System Body Verification (250 mW)

Area Scan (6x11x1): 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) = 4.06 W/kg
SAR(1 g) = 2.52 W/kg; SAR(10 g) = 1.63 W/kg



0 dB = 3.17 W/kg

DT&C Co., Ltd.

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

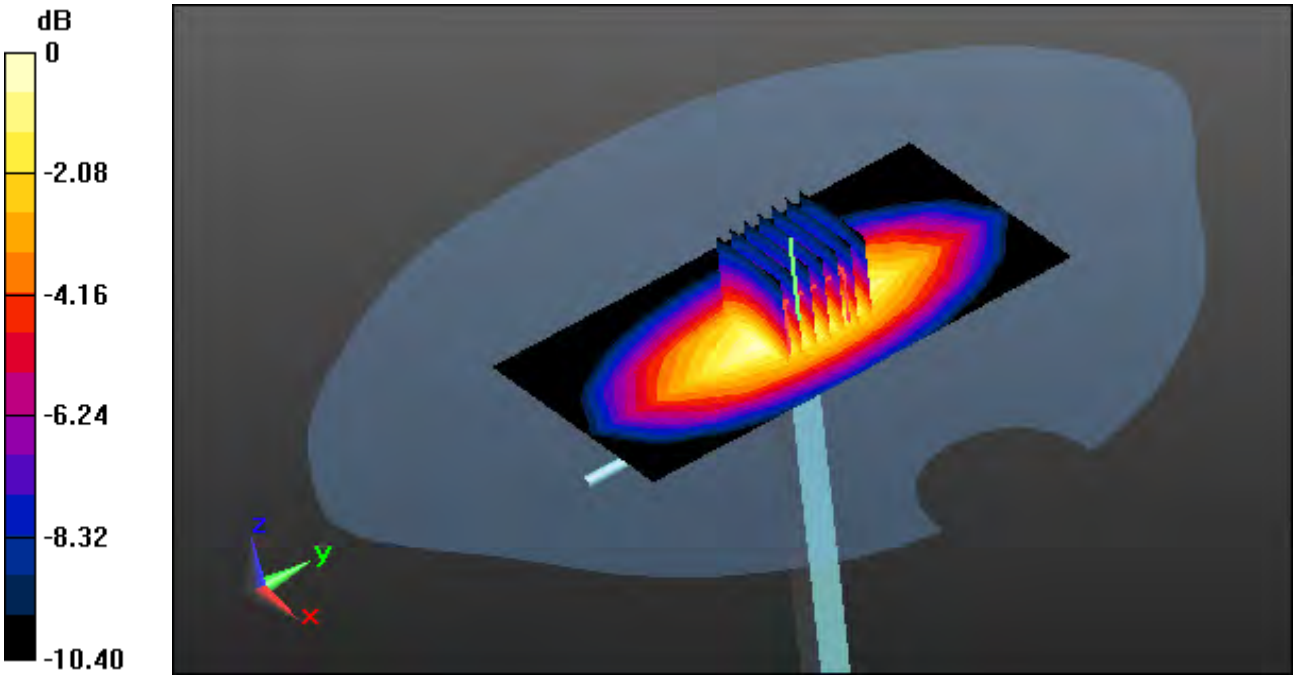
Communication System: UID 0, CW (0); Frequency: 835 MHz; Duty Cycle: 1:1
Medium parameters used: f = 835 MHz; σ = 0.892 S/m; ε_r = 41.522; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:
Probe: ES3DV3 - SN3327; ConvF(6.35, 6.35, 6.35); Calibrated: 8/28/2018; Electronics: DAE3 Sn520
Sensor-Surface: 3mm (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: 2019-03-04; Ambient Temp: 21.1; Tissue Temp: 21.5

835 MHz System Head Verification (250 mW)

Area Scan (6x11x1): 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) = 3.64 W/kg
SAR(1 g) = 2.45 W/kg; SAR(10 g) = 1.61 W/kg



0 dB = 2.99 W/kg

DT&C Co., Ltd.

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

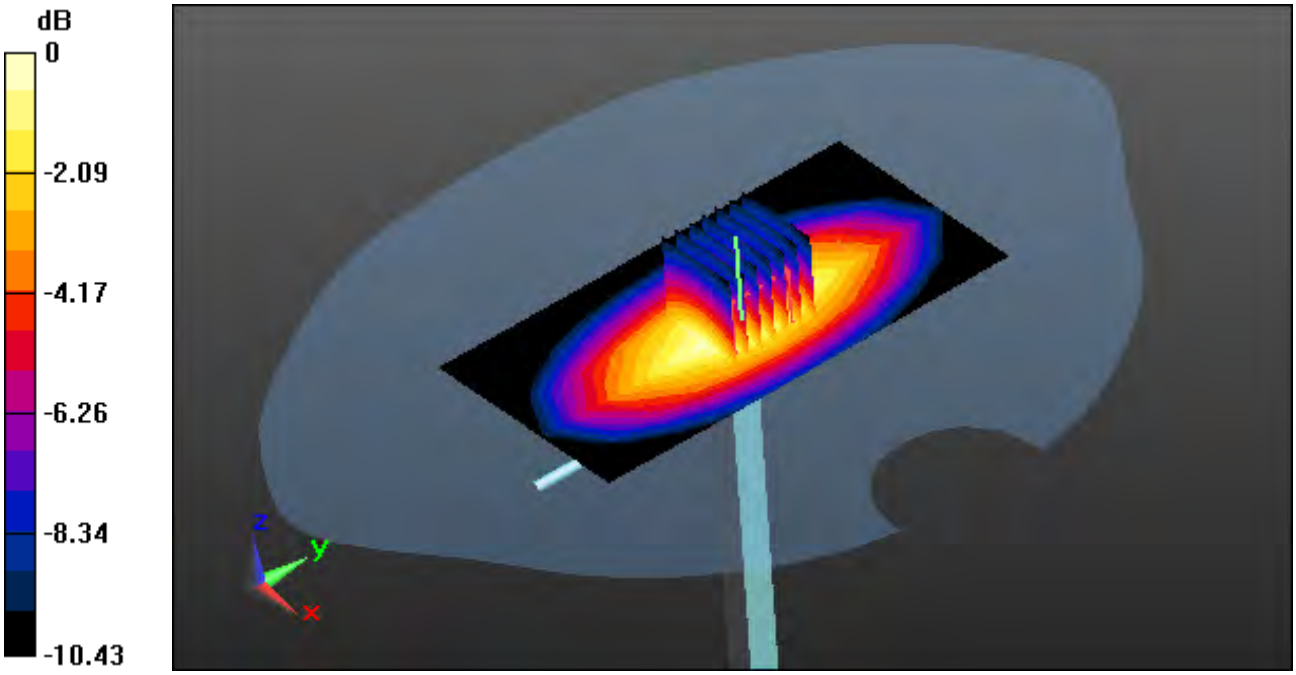
Communication System: UID 0, CW (0); Frequency: 835 MHz; Duty Cycle: 1:1
Medium parameters used: f = 835 MHz; σ = 0.99 S/m; ε_r = 54.645; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:
Probe: ES3DV3 - SN3327; ConvF(6.24, 6.24, 6.24); Calibrated: 8/28/2018; Electronics: DAE3 Sn520
Sensor-Surface: 3mm (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: 2019-03-04; Ambient Temp: 21.1; Tissue Temp: 21.2

835 MHz System Body Verification (250 mW)

Area Scan (6x11x1): Measurement grid: dx=15mm, dy=15mm
Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Power Drift = 0.11 dB
Peak SAR (extrapolated) = 3.82 W/kg
SAR(1 g) = 2.52 W/kg; SAR(10 g) = 1.67 W/kg



0 dB = 3.17 W/kg

DT&C Co., Ltd.

DUT: Dipole 835 MHz; Type: D900V2; Serial: D900V2 - SN:4d159

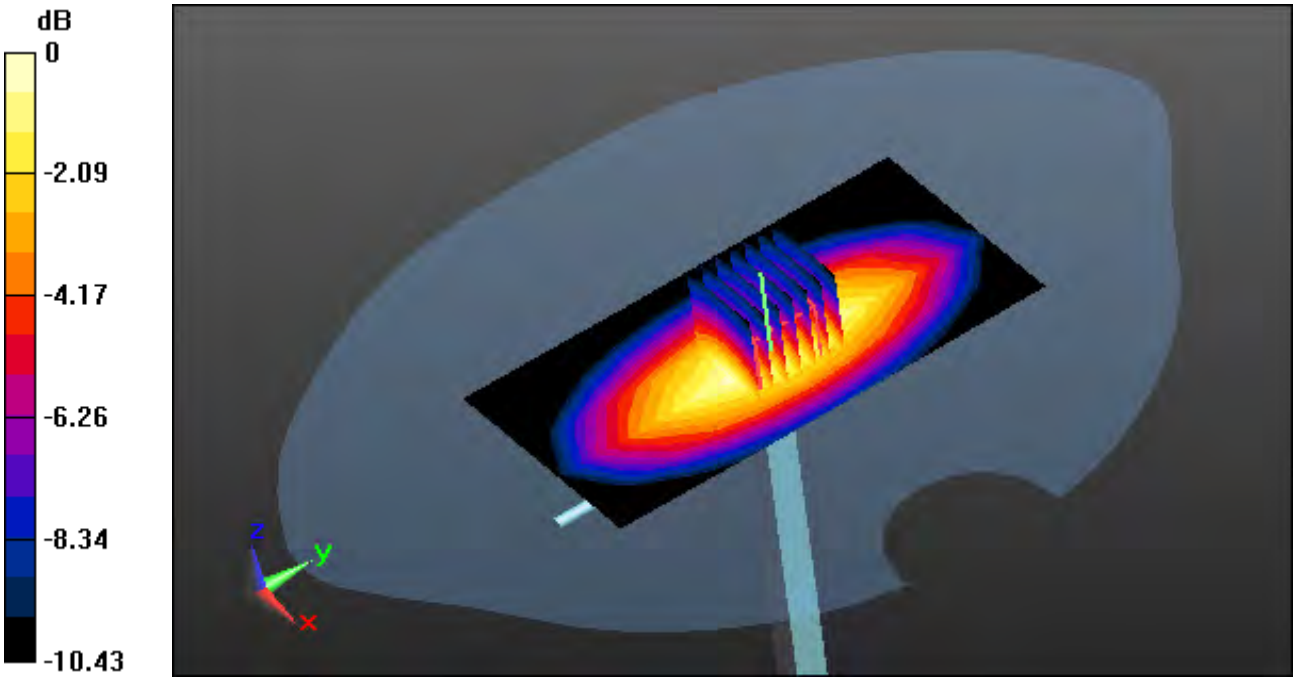
Communication System: UID 0, CW (0); Frequency: 835 MHz; Duty Cycle: 1:1
Medium parameters used: f = 835 MHz; σ = 0.892 S/m; ε_r = 41.538; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:
Probe: ES3DV3 - SN3327; ConvF(6.35, 6.35, 6.35); Calibrated: 8/28/2018; Electronics: DAE3 Sn520
Sensor-Surface: 3mm (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: 2019-03-08; Ambient Temp: 21.3; Tissue Temp: 22.0

835 MHz System Head Verification (250 mW)

Area Scan (6x11x1): Measurement grid: dx=15mm, dy=15mm
Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Power Drift = 0.11 dB
Peak SAR (extrapolated) = 3.63 W/kg
SAR(1 g) = 2.41 W/kg; SAR(10 g) = 1.54 W/kg



0 dB = 2.97 W/kg

DT&C Co., Ltd.

DUT: Dipole 835 MHz; Type: D900V2; Serial: D900V2 - SN:4d159

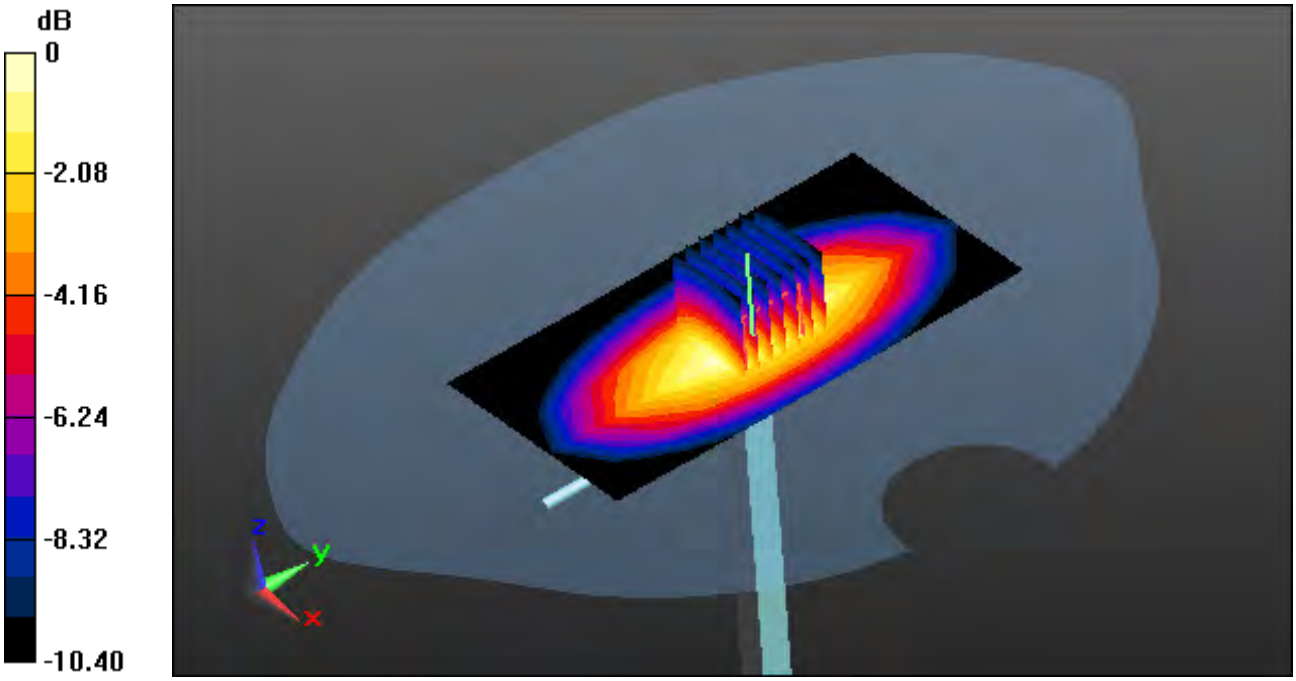
Communication System: UID 0, CW (0); Frequency: 835 MHz; Duty Cycle: 1:1
Medium parameters used: f = 835 MHz; σ = 0.988 S/m; ε_r = 54.539; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:
Probe: ES3DV3 - SN3327; ConvF(6.24, 6.24, 6.24); Calibrated: 8/28/2018; Electronics: DAE3 Sn520
Sensor-Surface: 3mm (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: 2019-03-08; Ambient Temp: 21.3; Tissue Temp: 21.7

835 MHz System Body Verification (250 mW)

Area Scan (6x11x1): Measurement grid: dx=15mm, dy=15mm
Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Power Drift = 0.18 dB
Peak SAR (extrapolated) = 4.27 W/kg
SAR(1 g) = 2.46 W/kg; SAR(10 g) = 1.61 W/kg



0 dB = 3.36 W/kg

DT&C Co., Ltd.

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

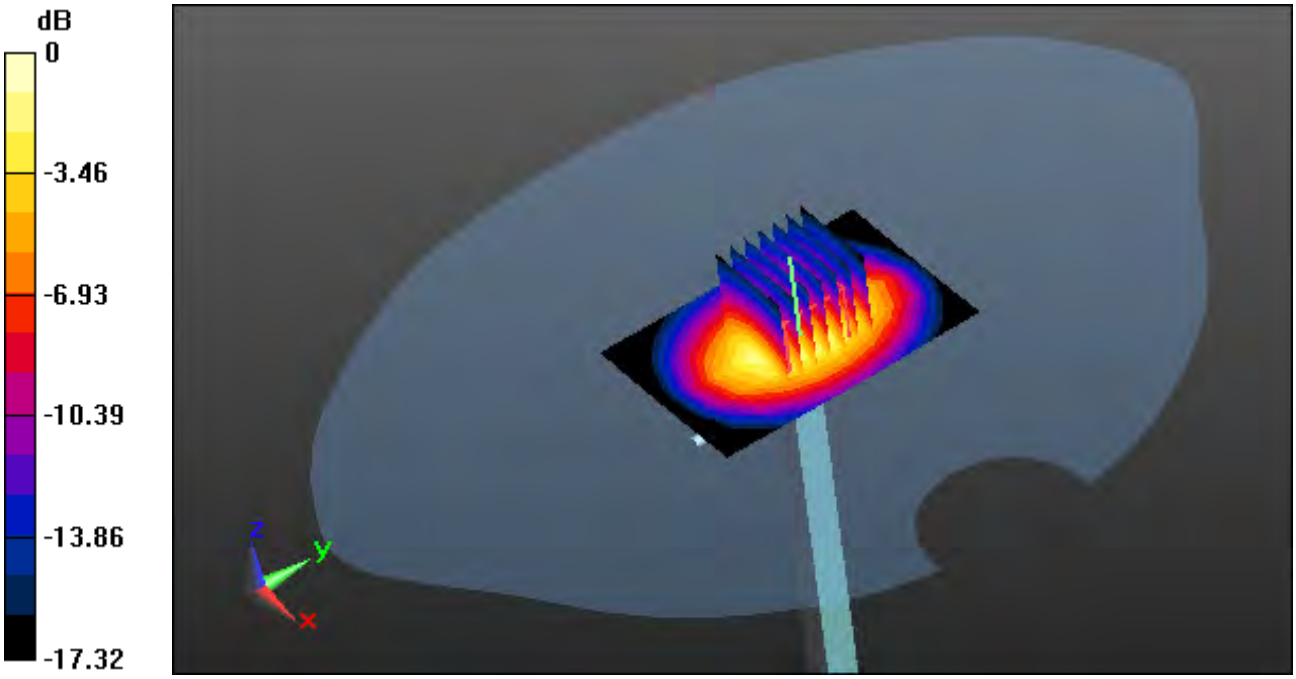
Communication System: UID 0, CW; Frequency: 1800 MHz; Duty Cycle: 1:1
Medium parameters used: f = 1800 MHz; σ = 1.385 S/m; ε_r = 40.855; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:
Probe: ES3DV3 - SN3327; ConvF(5.5, 5.5, 5.5); Calibrated: 8/28/2018; Electronics: DAE3 Sn520
Sensor-Surface: 3mm (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: 2019-03-07; Ambient Temp: 21.4; Tissue Temp: 21.7

1800 MHz System Head Verification (100 mW)

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) = 7.94 W/kg
SAR(1 g) = 3.79 W/kg; SAR(10 g) = 1.98 W/kg



0 dB = 7.56 W/kg

DT&C Co., Ltd.

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

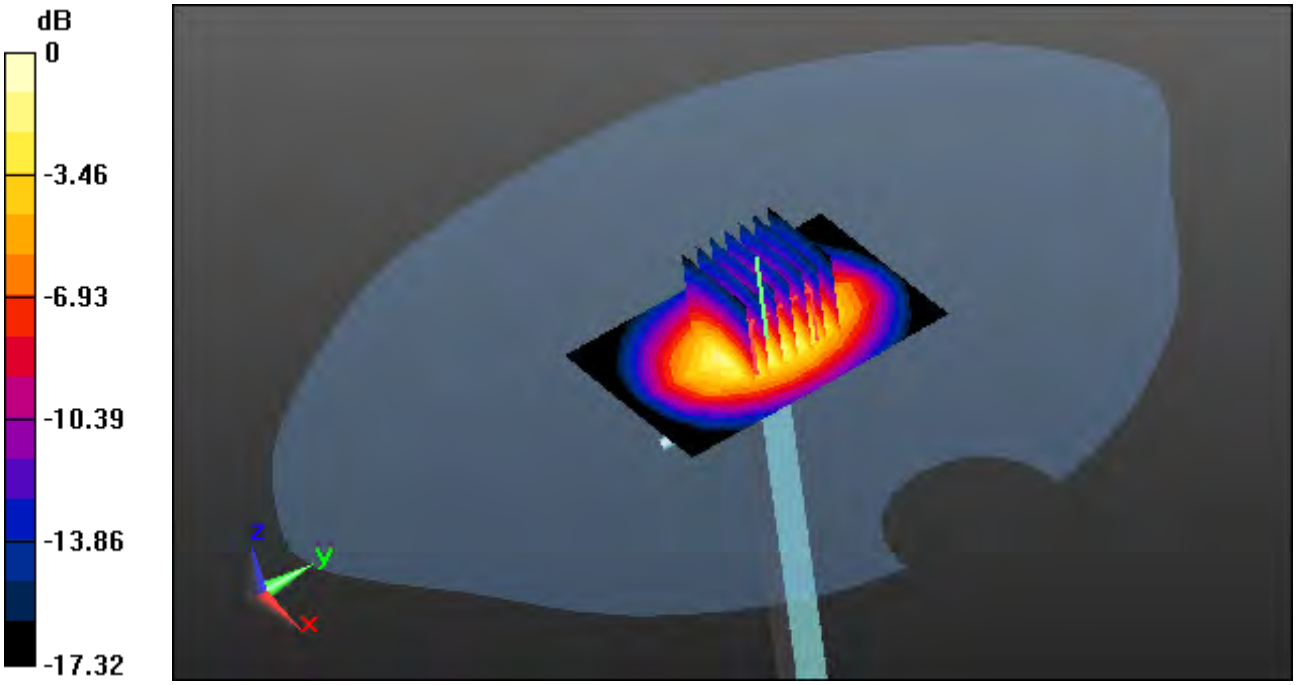
Communication System: UID 0, CW; Frequency: 1800 MHz; Duty Cycle: 1:1
Medium parameters used: f = 1800 MHz; σ = 1.529 S/m; ε_r = 55.245; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:
Probe: ES3DV3 - SN3327; ConvF(5.15, 5.15, 5.15); Calibrated: 8/28/2018; Electronics: DAE3 Sn520
Sensor-Surface: 3mm (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: 2019-03-07; Ambient Temp: 21.4; Tissue Temp: 21.3

1800 MHz System Body Verification (100 mW)

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) = 7.96 W/kg
SAR(1 g) = 3.81 W/kg; SAR(10 g) = 2.01 W/kg



0 dB = 7.62 W/kg

DT&C Co., Ltd.

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

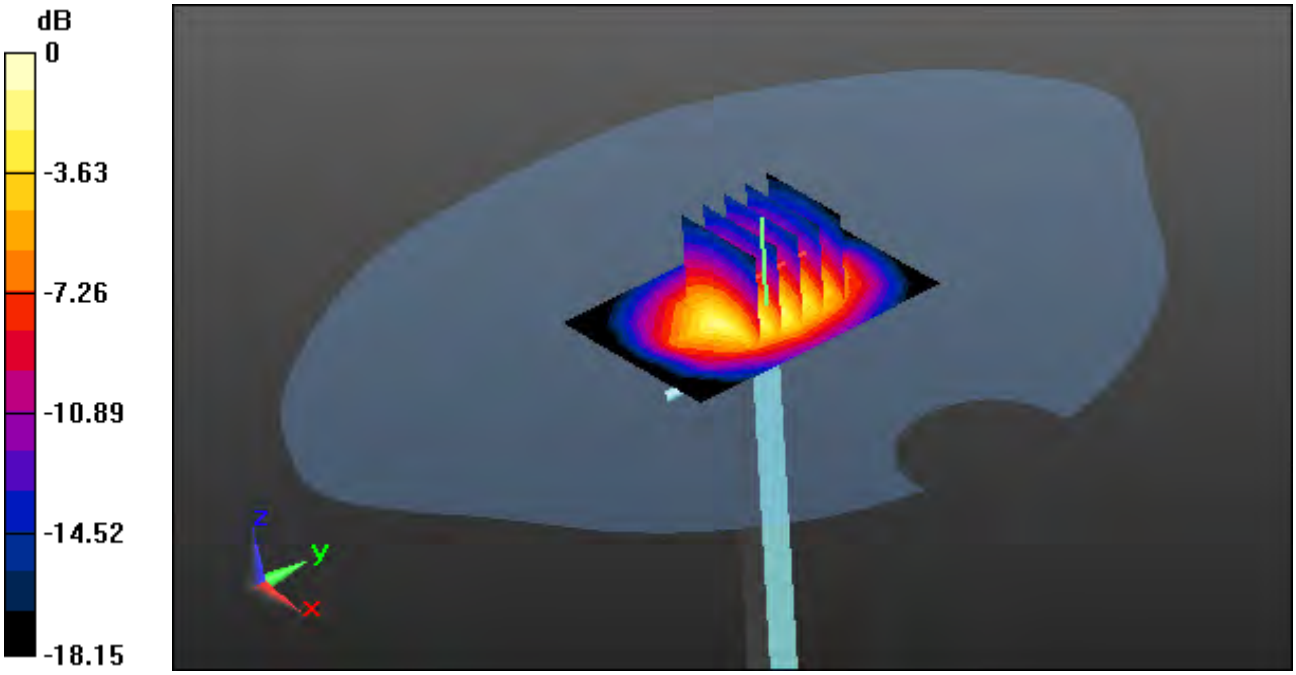
Communication System: UID 0, CW (0); Frequency: 1900 MHz; Duty Cycle: 1:1
Medium parameters used: f = 1900 MHz; σ = 1.399 S/m; ε_r = 39.374; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:
Probe: ES3DV3 - SN3327; ConvF(5.27, 5.27, 5.27); Calibrated: 8/28/2018; Electronics: DAE3 Sn520
Sensor-Surface: 3mm (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: 2019-03-02; Ambient Temp: 21.2; Tissue Temp: 21.3

1900 MHz System Head Verification (100 mW)

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) = 8.12 W/kg
SAR(1 g) = 4.02 W/kg; SAR(10 g) = 2.13 W/kg



0 dB = 8.23 W/kg

DT&C Co., Ltd.

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

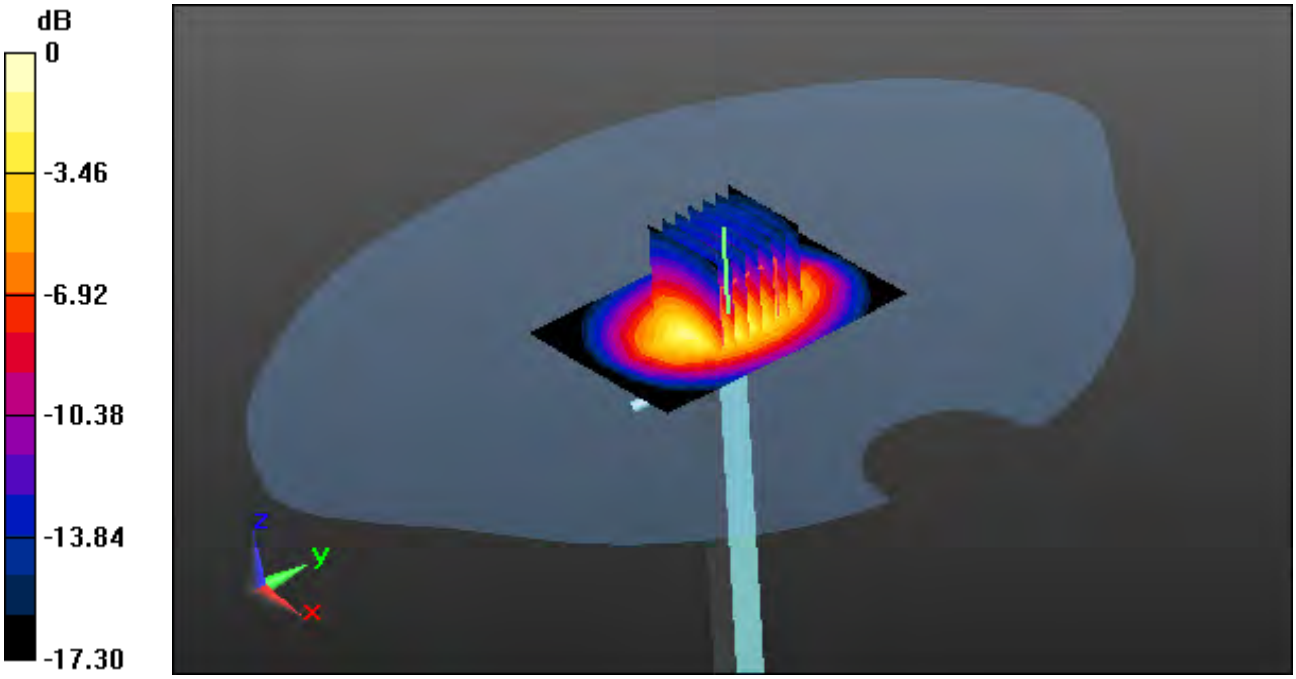
Communication System: UID 0, CW (0); Frequency: 1900 MHz; Duty Cycle: 1:1
Medium parameters used: f = 1900 MHz; σ = 1.522 S/m; ε_r = 54.492; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:
Probe: ES3DV3 - SN3327; ConvF(4.91, 4.91, 4.91); Calibrated: 8/28/2018; Electronics: DAE3 Sn520
Sensor-Surface: 3mm (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: 2019-03-02; Ambient Temp: 21.2; Tissue Temp: 21.5

1900 MHz System Body Verification (100 mW)

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) = 9.12 W/kg
SAR(1 g) = 3.98 W/kg; SAR(10 g) = 2.09 W/kg



0 dB = 8.01 W/kg

DT&C Co., Ltd.

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

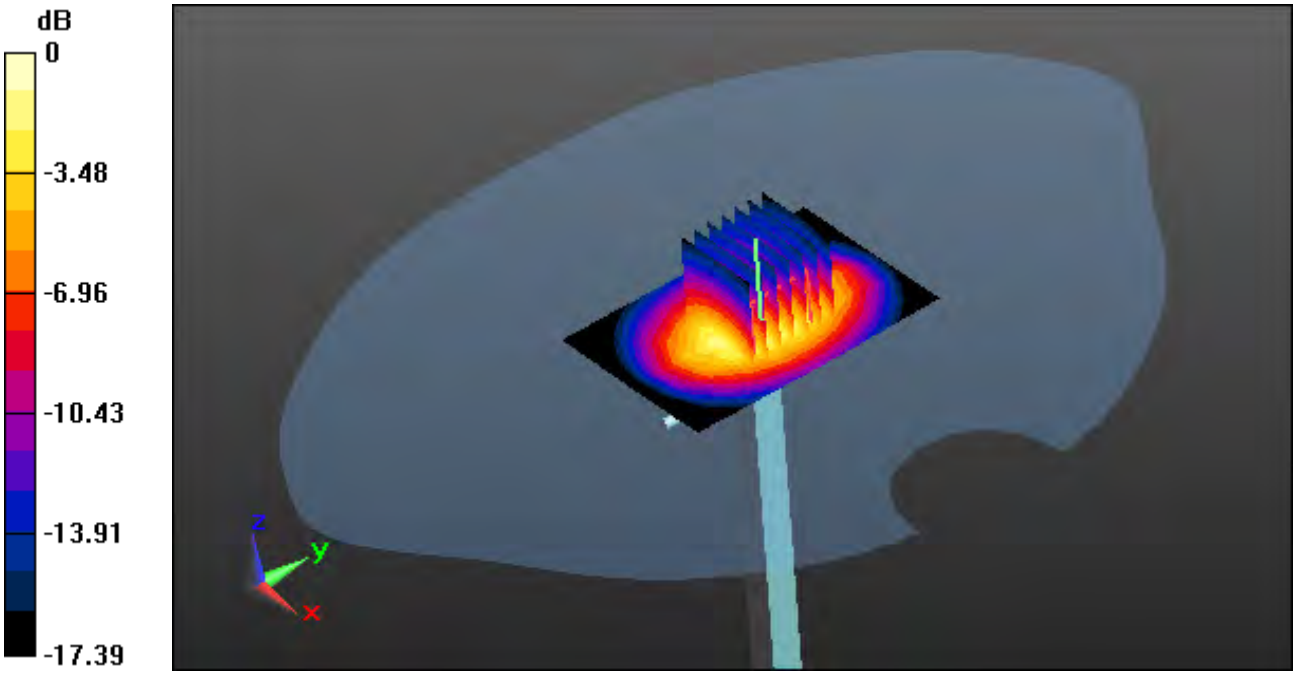
Communication System: UID 0, CW (0); Frequency: 1900 MHz; Duty Cycle: 1:1
Medium parameters used: f = 1900 MHz; σ = 1.401 S/m; ε_r = 39.618; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:
Probe: ES3DV3 - SN3327; ConvF(5.27, 5.27, 5.27); Calibrated: 8/28/2018; Electronics: DAE3 Sn520
Sensor-Surface: 3mm (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: 2019-03-05; Ambient Temp: 21.3; Tissue Temp: 21.7

1900 MHz System Head Verification (100 mW)

Area Scan (7x10x1): Measurement grid: dx=10mm, dy=10mm
Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Power Drift = 0.18 dB
Peak SAR (extrapolated) = 8.73 W/kg
SAR(1 g) = 4.04 W/kg; SAR(10 g) = 2.13 W/kg



0 dB = 8.34 W/kg

DT&C Co., Ltd.

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

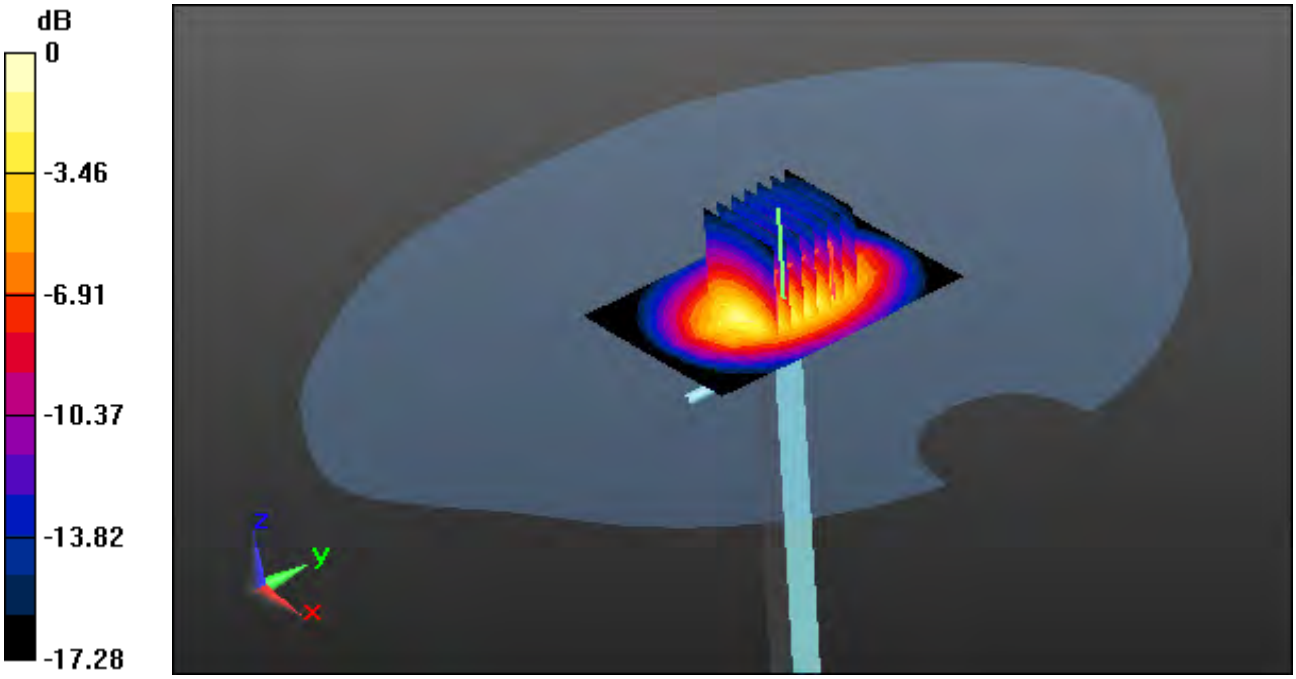
Communication System: UID 0, CW (0); Frequency: 1900 MHz; Duty Cycle: 1:1
Medium parameters used: f = 1900 MHz; σ = 1.529 S/m; ε_r = 55.124; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:
Probe: ES3DV3 - SN3327; ConvF(4.91, 4.91, 4.91); Calibrated: 8/28/2018; Electronics: DAE3 Sn520
Sensor-Surface: 3mm (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: 2019-03-05; Ambient Temp: 21.3; Tissue Temp: 21.5

1900 MHz System Body Verification (100 mW)

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) = 8.61 W/kg
SAR(1 g) = 4.01 W/kg; SAR(10 g) = 2.11 W/kg



0 dB = 8.24 W/kg

DT&C Co., Ltd.

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

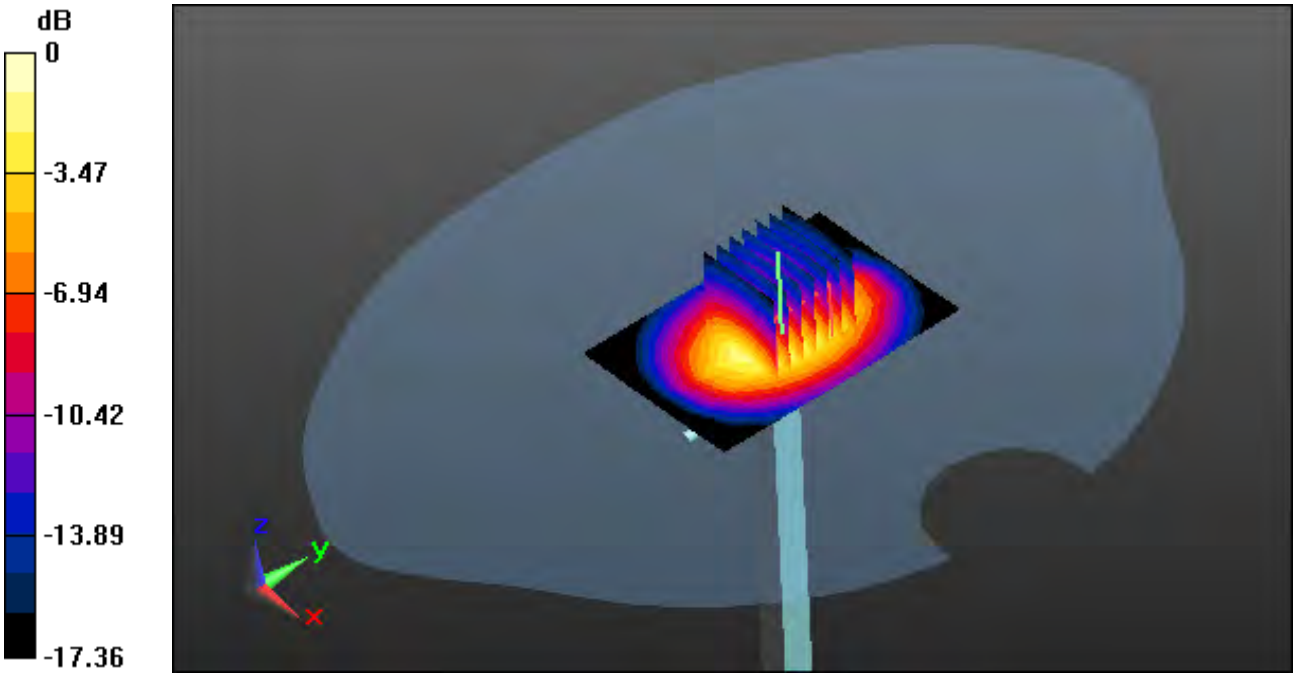
Communication System: UID 0, CW (0); Frequency: 1900 MHz; Duty Cycle: 1:1
Medium parameters used: f = 1900 MHz; σ = 1.405 S/m; ε_r = 39.279; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:
Probe: ES3DV3 - SN3327; ConvF(5.27, 5.27, 5.27); Calibrated: 8/28/2018; Electronics: DAE3 Sn520
Sensor-Surface: 3mm (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: 2019-03-06; Ambient Temp: 21.2; Tissue Temp: 21.6

1900 MHz System Head Verification (100 mW)

Area Scan (7x10x1): Measurement grid: dx=10mm, dy=10mm
Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Power Drift = -0.09 dB
Peak SAR (extrapolated) = 8.52 W/kg
SAR(1 g) = 4.01 W/kg; SAR(10 g) = 2.09 W/kg



0 dB = 8.46 W/kg

DT&C Co., Ltd.

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

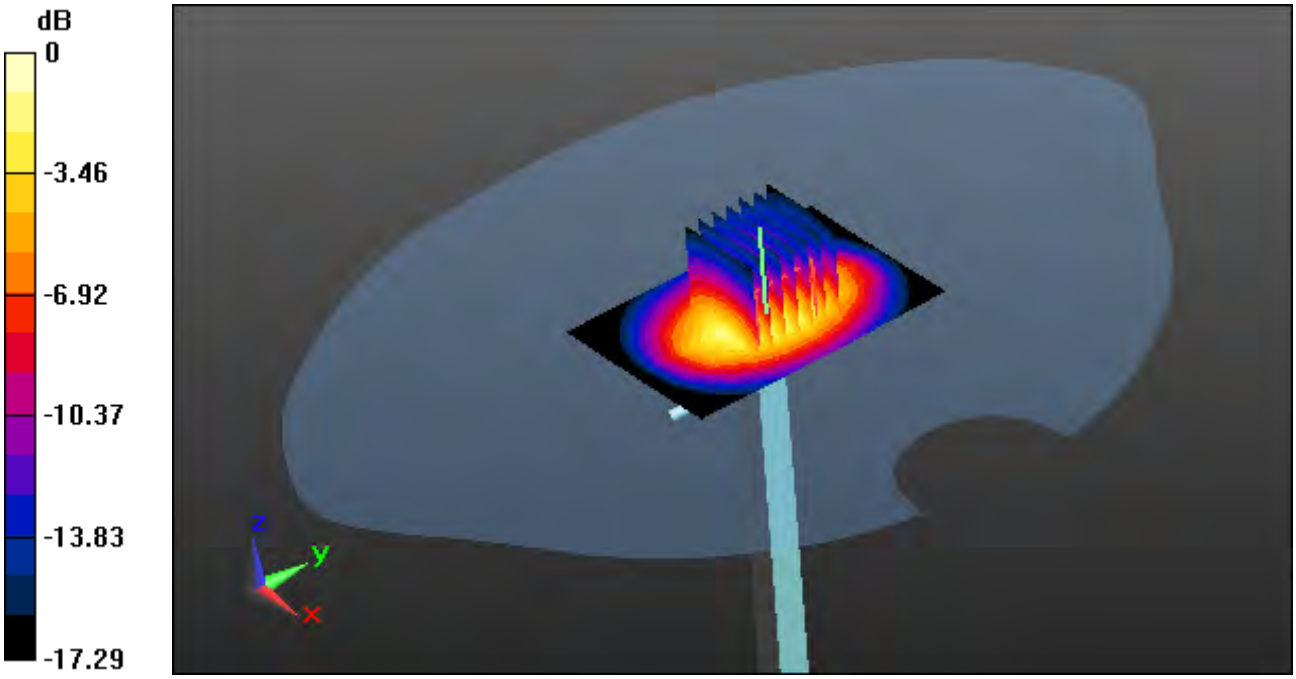
Communication System: UID 0, CW (0); Frequency: 1900 MHz; Duty Cycle: 1:1
Medium parameters used: f = 1900 MHz; σ = 1.524 S/m; ε_r = 55.12; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:
Probe: ES3DV3 - SN3327; ConvF(4.91, 4.91, 4.91); Calibrated: 8/28/2018; Electronics: DAE3 Sn520
Sensor-Surface: 3mm (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: 2019-03-06; Ambient Temp: 21.2; Tissue Temp: 21.4

1900 MHz System Body Verification (100 mW)

Area Scan (7x10x1): Measurement grid: dx=10mm, dy=10mm
Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Power Drift = 0.13 dB
Peak SAR (extrapolated) = 8.15 W/kg
SAR(1 g) = 3.95 W/kg; SAR(10 g) = 2.05 W/kg



0 dB = 8.03 W/kg

DT&C Co., Ltd.

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

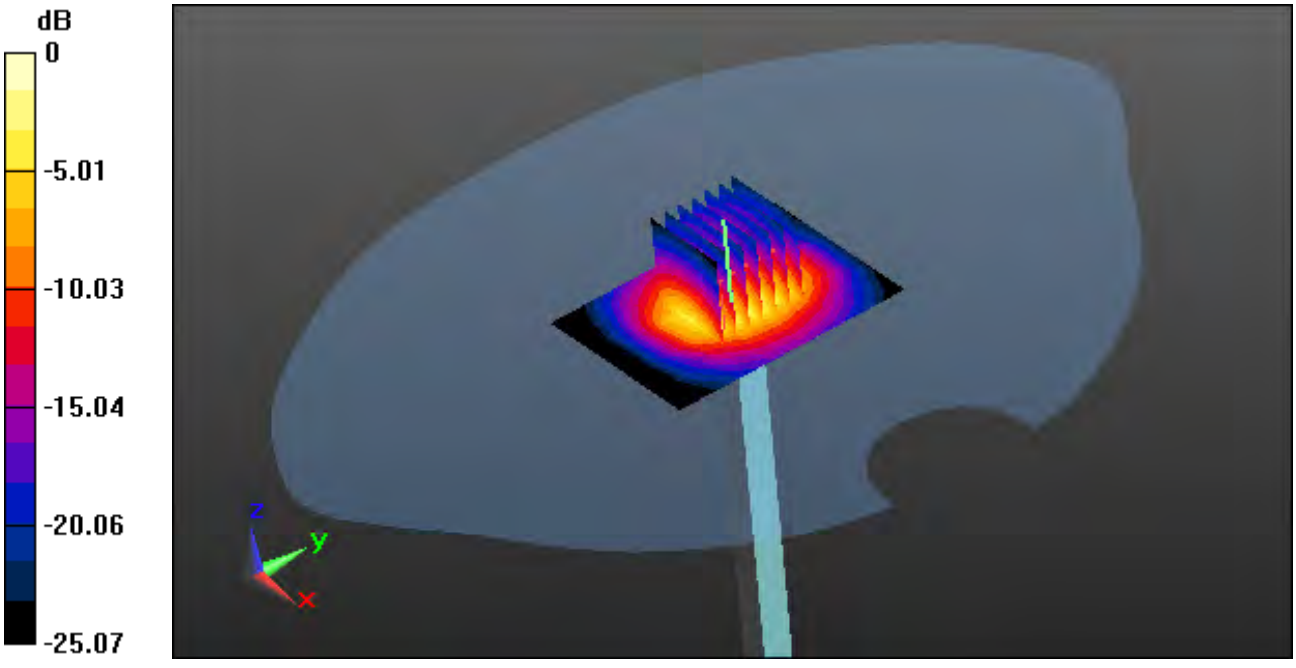
Communication System: UID 0, CW (0); Frequency: 2450 MHz; Duty Cycle: 1:1
Medium parameters used: f = 2450 MHz; σ = 1.813 S/m; ε_r = 39.943; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:
Probe: ES3DV3 - SN3327; ConvF(4.56, 4.56, 4.56); Calibrated: 8/28/2018; Electronics: DAE3 Sn520
Sensor-Surface: 3mm (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: 2019-03-12; Ambient Temp: 21.2; Tissue Temp: 21.5

2450 MHz System Head Verification (100 mW)

Area Scan (6x8x1): Measurement grid: dx=12mm, dy=12mm
Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Power Drift = 0.13 dB
Peak SAR (extrapolated) = 10.6 W/kg
SAR(1 g) = 4.88 W/kg; SAR(10 g) = 2.34 W/kg



0 dB = 6.51 W/kg

DT&C Co., Ltd.

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

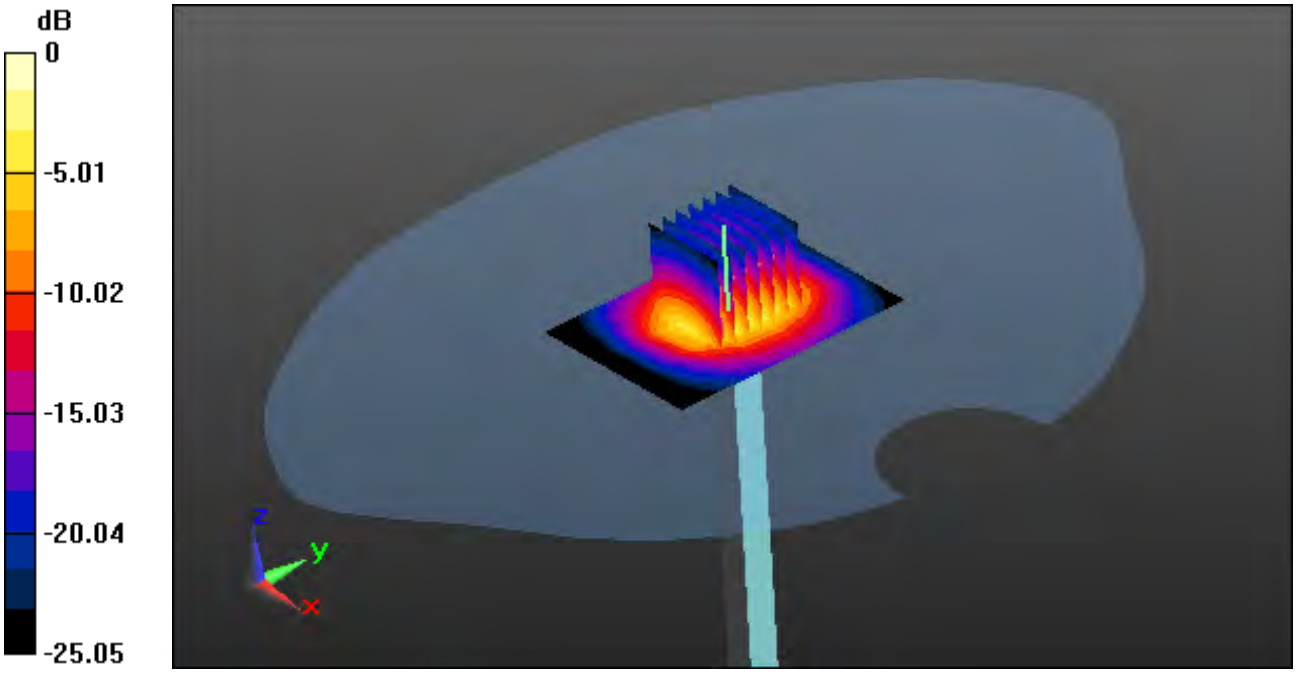
Communication System: UID 0, CW (0); Frequency: 2450 MHz; Duty Cycle: 1:1
Medium parameters used: f = 2450 MHz; σ = 1.972 S/m; ε_r = 53.541; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:
Probe: ES3DV3 - SN3327; ConvF(4.5, 4.5, 4.5); Calibrated: 8/28/2018; Electronics: DAE3 Sn520
Sensor-Surface: 3mm (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: 2019-03-12; Ambient Temp: 21.2; Tissue Temp: 21.3

2450 MHz System Body Verification (100 mW)

Area Scan (6x8x1): Measurement grid: dx=12mm, dy=12mm
Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Power Drift = -0.06 dB
Peak SAR (extrapolated) = 11.6 W/kg
SAR(1 g) = 5.35 W/kg; SAR(10 g) = 2.51 W/kg



0 dB = 7.14 W/kg

DT&C Co., Ltd.

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

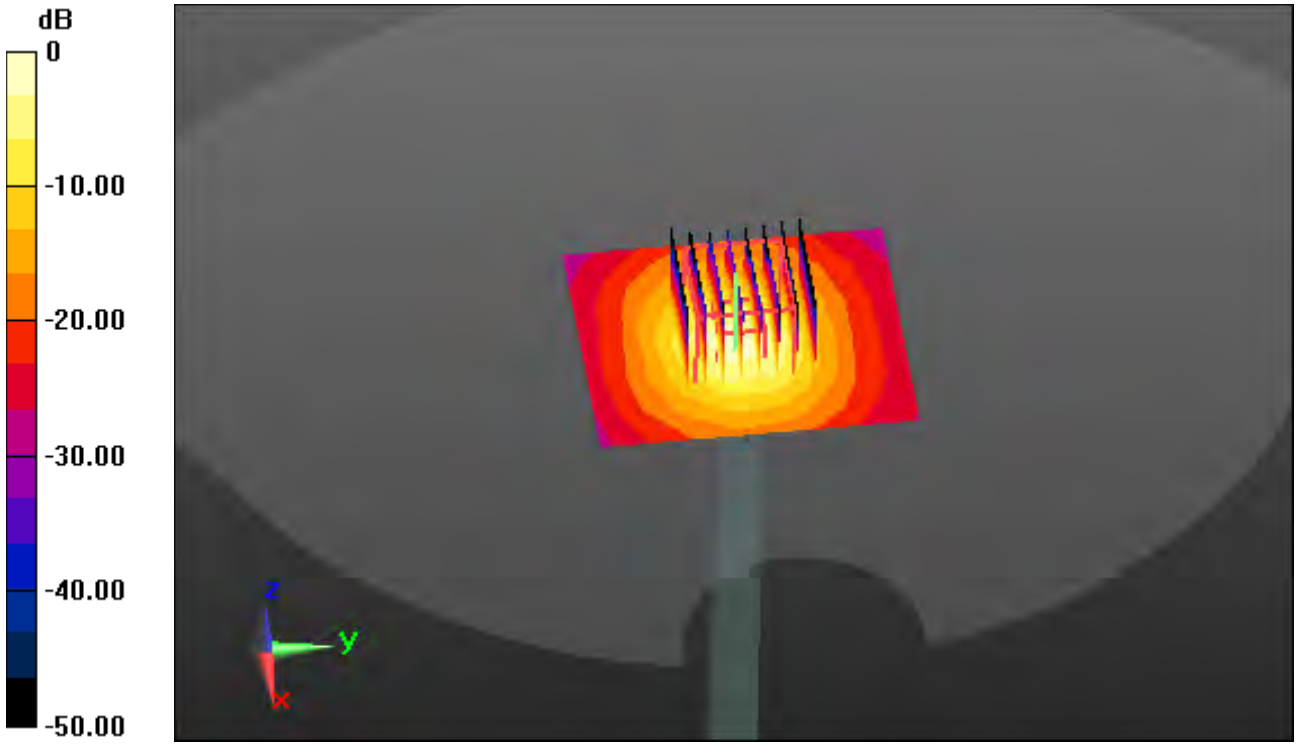
Communication System: UID 0, CW (0); Frequency: 5200 MHz; Duty Cycle: 1:1
Medium parameters used: f = 5200 MHz; σ = 5.194 S/m; ε_r = 48.865; ρ = 1000 kg/m^3
Phantom section: Flat Section

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

Test Date: 2019-03-04; Ambient Temp: 20.5; Tissue Temp: 20.7

5200 MHz System Body Verification (100mW)

Area Scan (7x8x1): Measurement grid: dx=10mm, dy=10mm
Zoom Scan (8x8x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm, Graded Ratio: 1.4
Power Drift = -0.13 dB
Peak SAR (extrapolated) = 28.2 W/kg
SAR(1 g) = 7.23 W/kg; SAR(10 g) = 2.05 W/kg



0 dB = 16.9 W/kg

DT&C Co., Ltd.

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

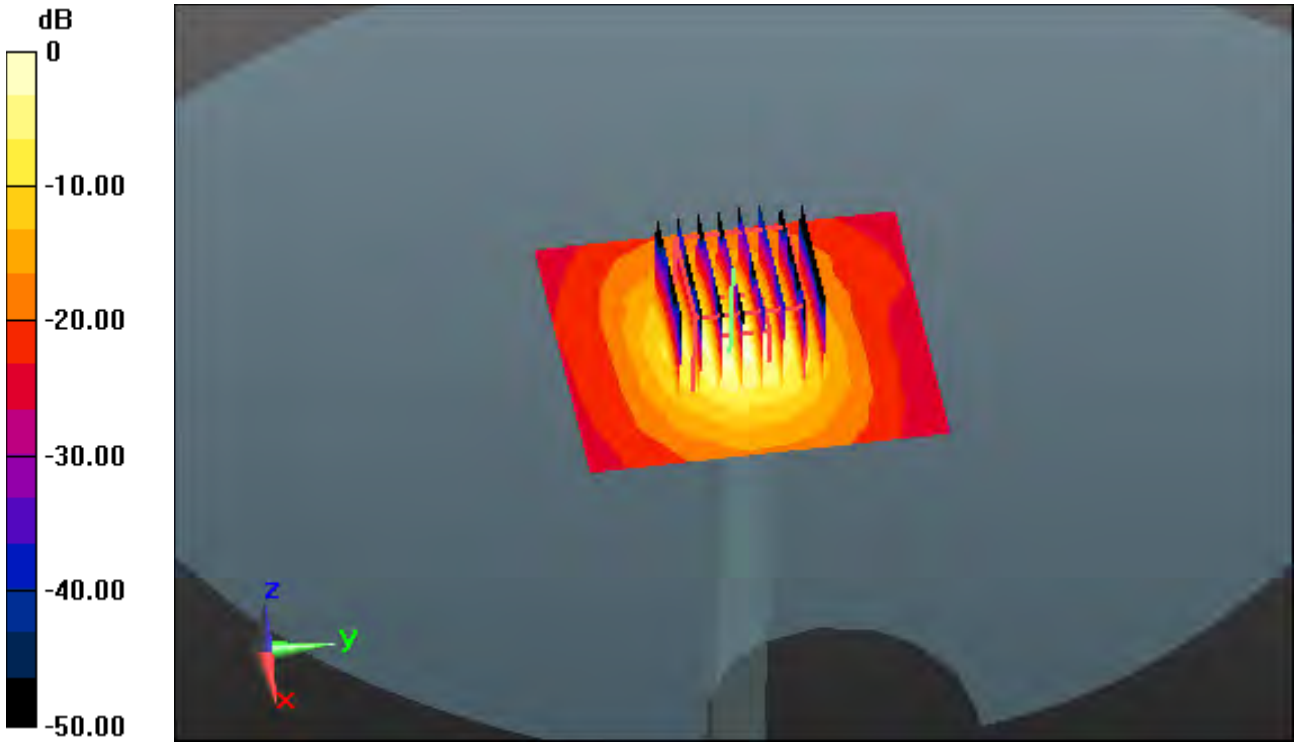
Communication System: UID 0, CW (0); Frequency: 5300 MHz; Duty Cycle: 1:1
Medium parameters used: f = 5300 MHz; σ = 4.879 S/m; ε_r = 36.072; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:
Probe: EX3DV4 - SN3930; ConvF(5.1, 5.1, 5.1); Calibrated: 7/26/2018; Electronics: DAE4 Sn1335
Sensor-Surface: 1.4mm (Mechanical Surface Detection)
Phantom: SAM with CRP v5.0; Type: QD000P40CD; Serial: TP:1837
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2019-03-05; Ambient Temp: 20.2; Tissue Temp: 20.5

5300 MHz System Head Verification (100mW)

Area Scan (7x8x1): Measurement grid: dx=10mm, dy=10mm
Zoom Scan (8x8x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm, Graded Ratio: 1.4
Power Drift = -0.15 dB
Peak SAR (extrapolated) = 32.1 W/kg
SAR(1 g) = 7.96 W/kg; SAR(10 g) = 2.21 W/kg



0 dB = 18.4 W/kg

DT&C Co., Ltd.

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

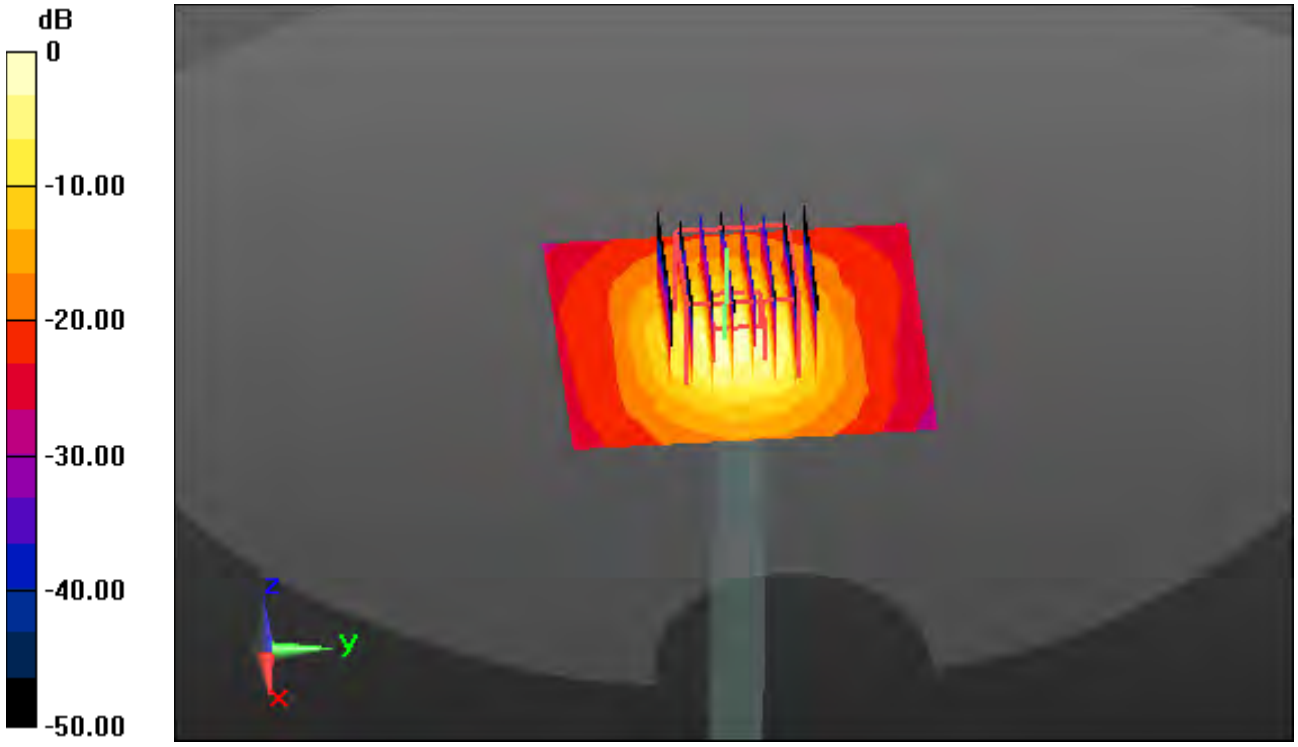
Communication System: UID 0, CW (0); Frequency: 5300 MHz; Duty Cycle: 1:1
Medium parameters used: f = 5300 MHz; σ = 5.627 S/m; ε_r = 49.144; ρ = 1000 kg/m^3
Phantom section: Flat Section

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

Test Date: 2019-03-05; Ambient Temp: 20.4; Tissue Temp: 20.6

5300 MHz System Body Verification (100mW)

Area Scan (7x8x1): Measurement grid: dx=10mm, dy=10mm
Zoom Scan (8x8x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm, Graded Ratio: 1.4
Power Drift = -0.12 dB
Peak SAR (extrapolated) = 30.9 W/kg
SAR(1 g) = 7.51 W/kg; SAR(10 g) = 2.09 W/kg



0 dB = 18.0 W/kg

DT&C Co., Ltd.

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

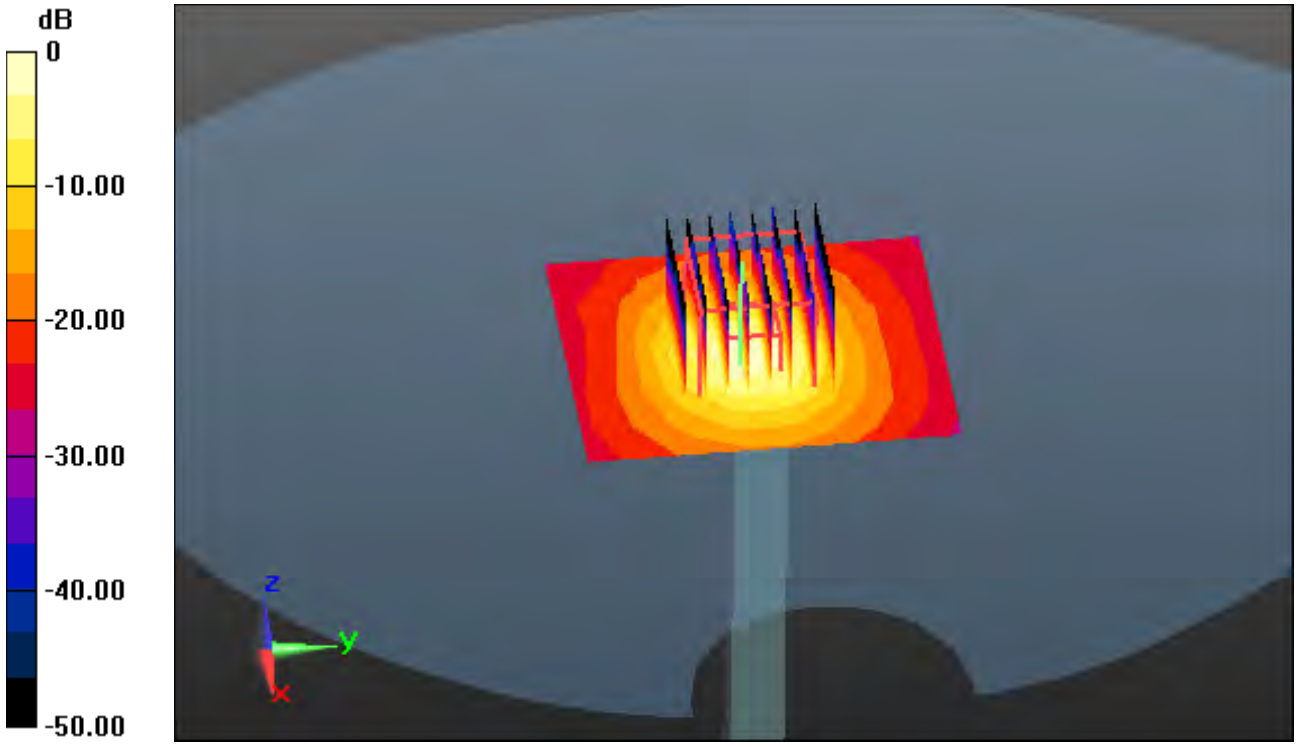
Communication System: UID 0, CW (0); Frequency: 5500 MHz; Duty Cycle: 1:1
Medium parameters used: f = 5500 MHz; σ = 4.954 S/m; ε_r = 35.302; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:
Probe: EX3DV4 - SN3930; ConvF(4.94, 4.94, 4.94); Calibrated: 7/26/2018; Electronics: DAE4 Sn1335
Sensor-Surface: 1.4mm (Mechanical Surface Detection)
Phantom: SAM with CRP v5.0; Type: QD000P40CD; Serial: TP:1837
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2019-03-06; Ambient Temp: 20.5; Tissue Temp: 21.0

5500 MHz System Head Verification (100mW)

Area Scan (7x8x1): Measurement grid: dx=10mm, dy=10mm
Zoom Scan (8x8x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm, Graded Ratio: 1.4
Power Drift = -0.17 dB
Peak SAR (extrapolated) = 38.1 W/kg
SAR(1 g) = 8.16 W/kg; SAR(10 g) = 2.26 W/kg



0 dB = 19.3 W/kg

DT&C Co., Ltd.

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

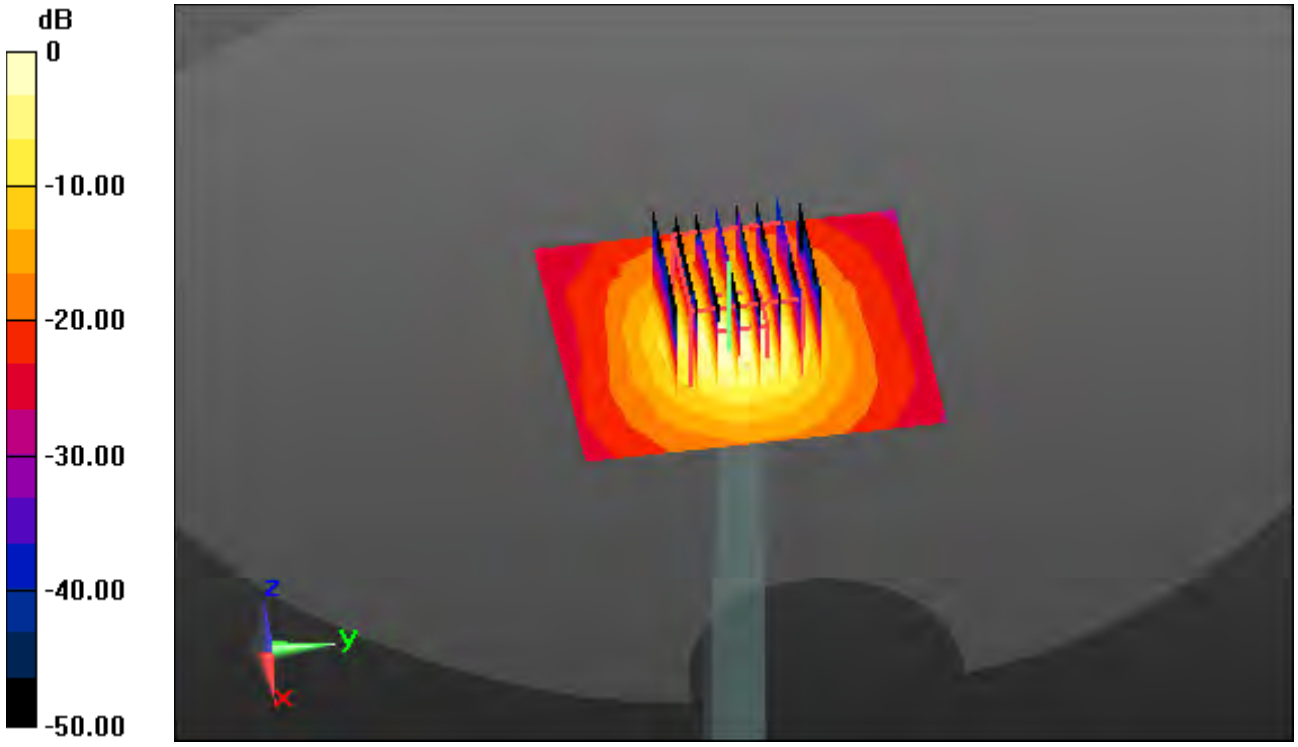
Communication System: UID 0, CW (0); Frequency: 5500 MHz; Duty Cycle: 1:1
Medium parameters used: f = 5500 MHz; σ = 5.643 S/m; ε_r = 49.81; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:
Probe: EX3DV4 - SN3930; ConvF(4.19, 4.19, 4.19); Calibrated: 7/26/2018; Electronics: DAE4 Sn1335
Sensor-Surface: 1.4mm (Mechanical Surface Detection)
Phantom: Twin-SAM V5.0 ; Type: QD 000 P40 CD; Serial: 1679
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2019-03-06; Ambient Temp: 20.6; Tissue Temp: 20.8

5500 MHz System Body Verification (100mW)

Area Scan (7x8x1): Measurement grid: dx=10mm, dy=10mm
Zoom Scan (8x8x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm, Graded Ratio: 1.4
Power Drift = -0.11 dB
Peak SAR (extrapolated) = 39.8 W/kg
SAR(1 g) = 7.78 W/kg; SAR(10 g) = 2.15 W/kg



0 dB = 36.8 W/kg

DT&C Co., Ltd.

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

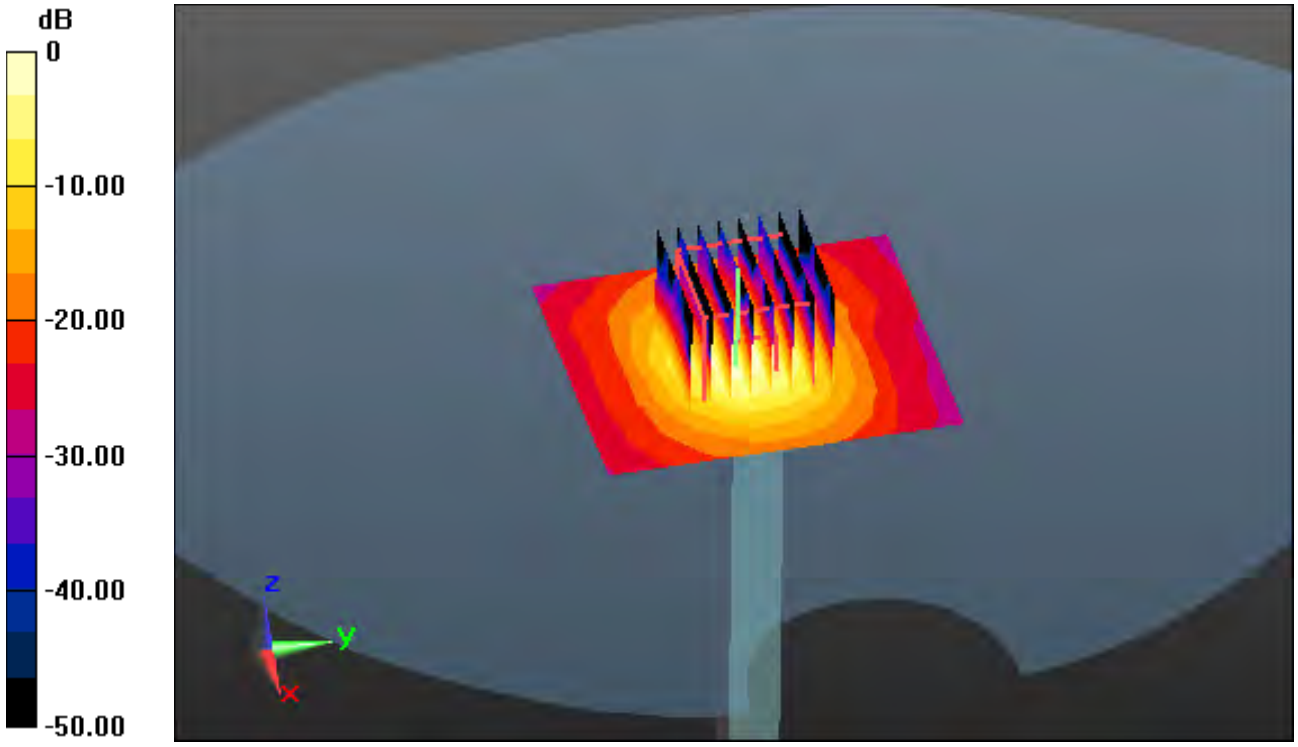
Communication System: UID 0, CW (0); Frequency: 5600 MHz; Duty Cycle: 1:1
Medium parameters used: f = 5600 MHz; σ = 5.064 S/m; ε_r = 35.102; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:
Probe: EX3DV4 - SN3930; ConvF(4.85, 4.85, 4.85); Calibrated: 7/26/2018; Electronics: DAE4 Sn1335
Sensor-Surface: 1.4mm (Mechanical Surface Detection)
Phantom: SAM with CRP v5.0; Type: QD000P40CD; Serial: TP:1837
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2019-03-06; Ambient Temp: 20.5; Tissue Temp: 21.0

5600 MHz System Head Verification (100mW)

Area Scan (7x8x1): Measurement grid: dx=10mm, dy=10mm
Zoom Scan (8x8x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm, Graded Ratio: 1.4
Power Drift = -0.07 dB
Peak SAR (extrapolated) = 39.3 W/kg
SAR(1 g) = 8.23 W/kg; SAR(10 g) = 2.31 W/kg



0 dB = 21.3 W/kg

DT&C Co., Ltd.

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

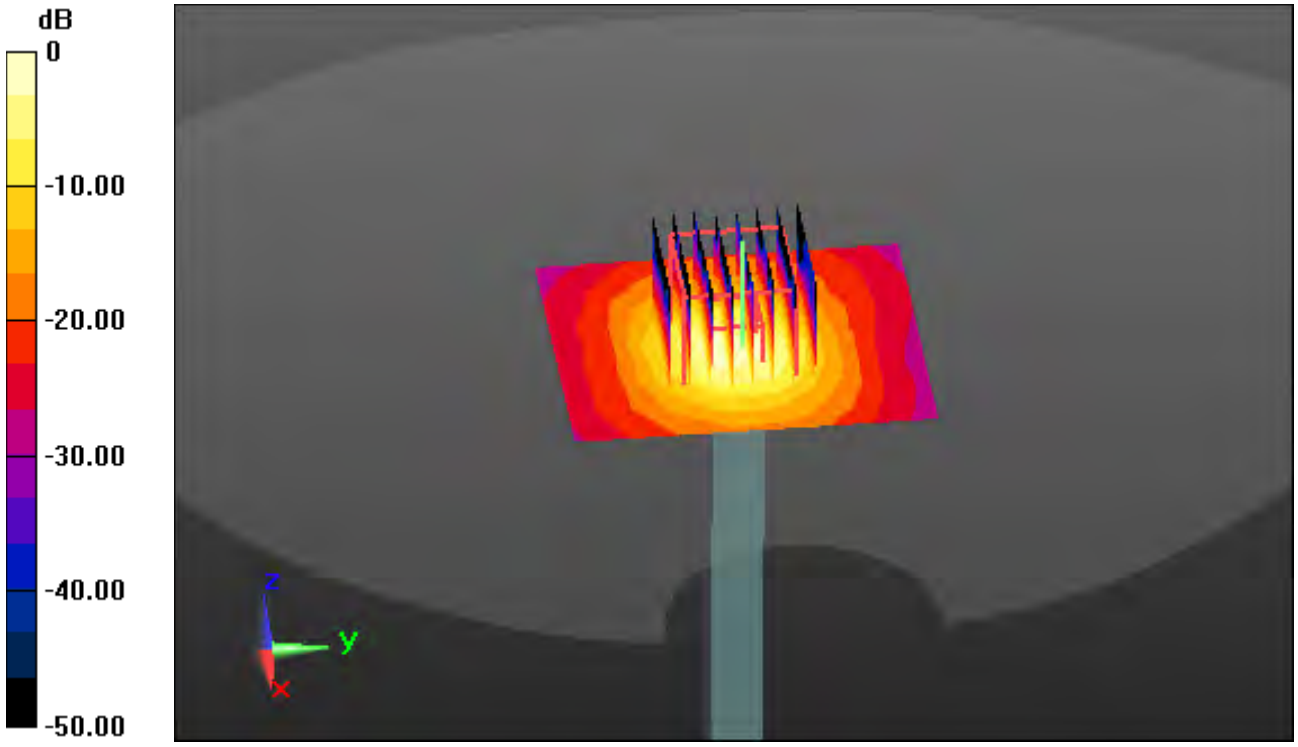
Communication System: UID 0, CW (0); Frequency: 5600 MHz; Duty Cycle: 1:1
Medium parameters used: f = 5600 MHz; σ = 5.725 S/m; ε_r = 49.294; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:
Probe: EX3DV4 - SN3930; ConvF(4.09, 4.09, 4.09); Calibrated: 7/26/2018; Electronics: DAE4 Sn1335
Sensor-Surface: 1.4mm (Mechanical Surface Detection)
Phantom: Twin-SAM V5.0 ; Type: QD 000 P40 CD; Serial: 1679
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2019-03-06; Ambient Temp: 20.6; Tissue Temp: 20.8

5600 MHz System Body Verification (100mW)

Area Scan (7x8x1): Measurement grid: dx=10mm, dy=10mm
Zoom Scan (8x8x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm, Graded Ratio: 1.4
Power Drift = -0.15 dB
Peak SAR (extrapolated) = 35.7 W/kg
SAR(1 g) = 8.06 W/kg; SAR(10 g) = 2.22 W/kg



0 dB = 19.8 W/kg

DT&C Co., Ltd.

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

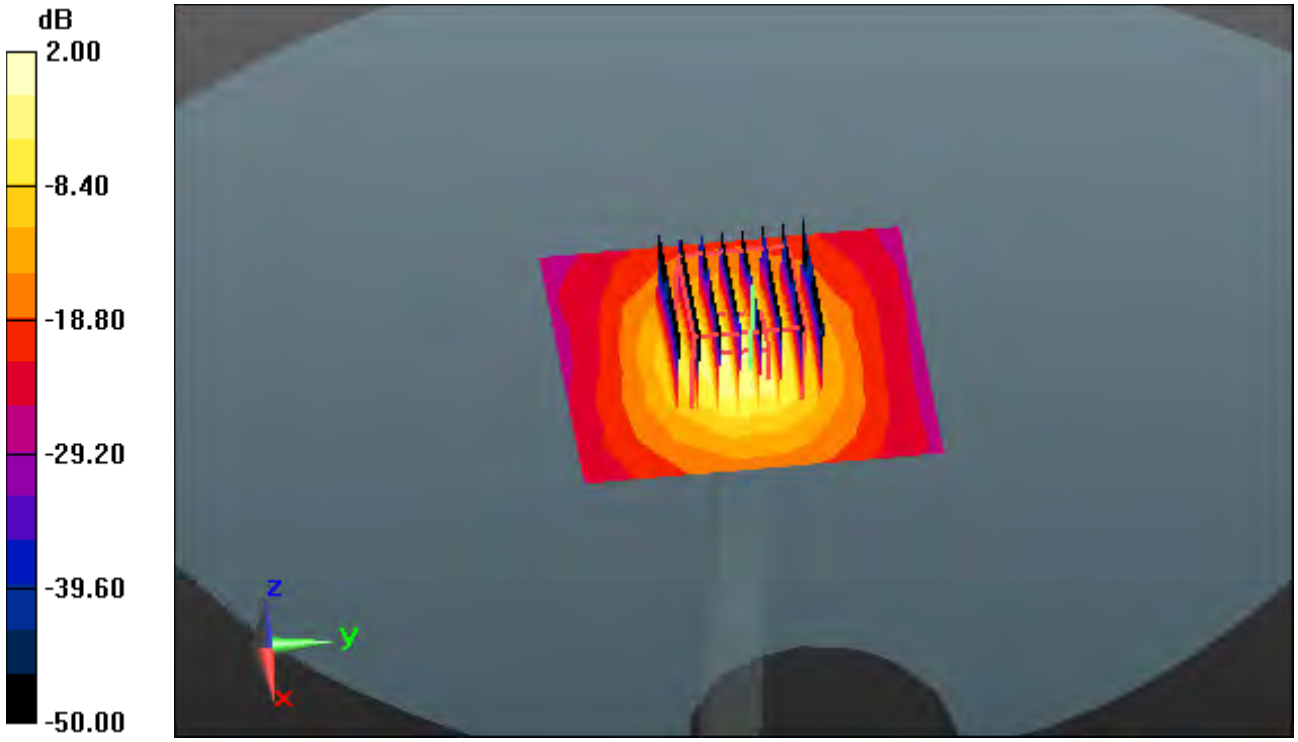
Communication System: UID 0, CW (0); Frequency: 5800 MHz; Duty Cycle: 1:1
Medium parameters used: f = 5800 MHz; σ = 5.27 S/m; ε_r = 34.734; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:
Probe: EX3DV4 - SN3930; ConvF(4.69, 4.69, 4.69); Calibrated: 7/26/2018; Electronics: DAE4 Sn1335
Sensor-Surface: 1.4mm (Mechanical Surface Detection)
Phantom: SAM with CRP v5.0; Type: QD000P40CD; Serial: TP:1837
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2019-03-06; Ambient Temp: 20.5; Tissue Temp: 21.0

5800 MHz System Head Verification (100mW)

Area Scan (7x8x1): Measurement grid: dx=10mm, dy=10mm
Zoom Scan (8x8x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm, Graded Ratio: 1.4
Power Drift = -0.17 dB
Peak SAR (extrapolated) = 33.2 W/kg
SAR(1 g) = 7.73 W/kg; SAR(10 g) = 2.17 W/kg



0 dB = 18.1 W/kg

DT&C Co., Ltd.

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

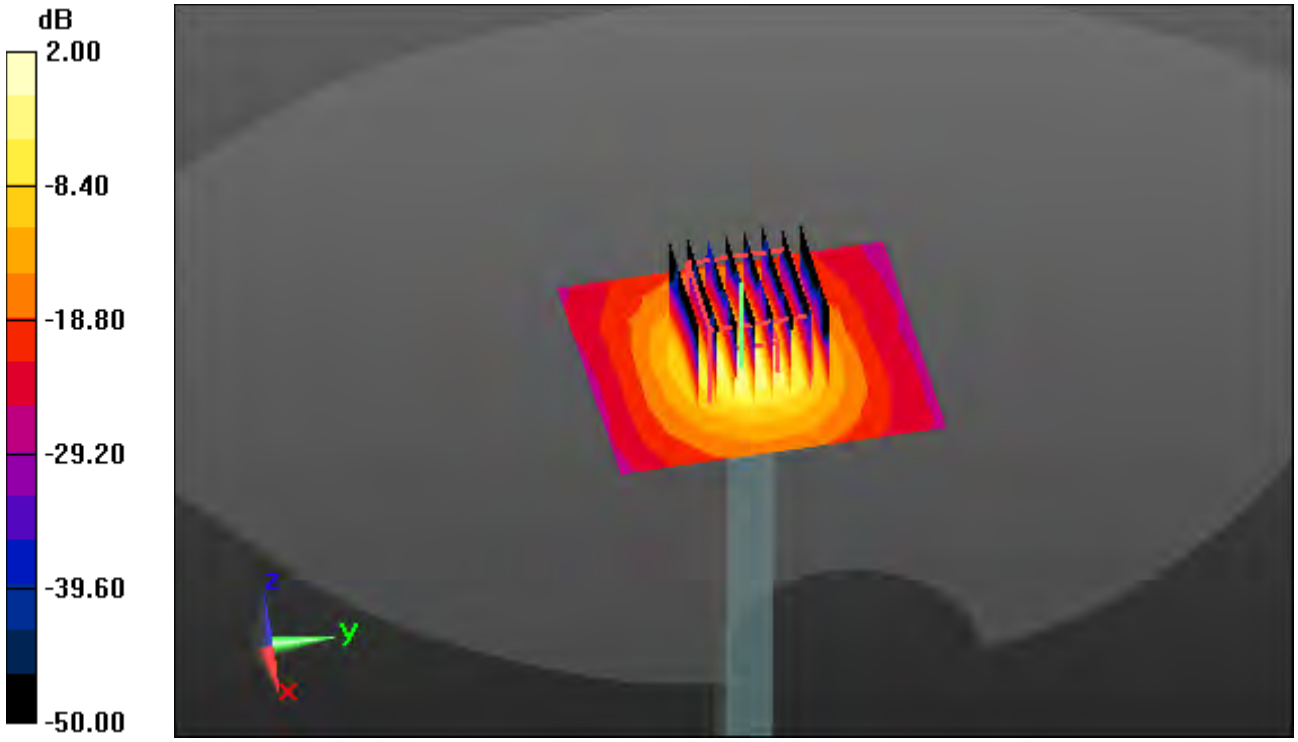
Communication System: UID 0, CW (0); Frequency: 5800 MHz; Duty Cycle: 1:1
Medium parameters used: f = 5800 MHz; σ = 5.939 S/m; ε_r = 48.671; ρ = 1000 kg/m^3
Phantom section: Flat Section

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

Test Date: 2019-03-06; Ambient Temp: 20.6; Tissue Temp: 20.8

5800 MHz System Body Verification (100mW)

Area Scan (7x8x1): Measurement grid: dx=10mm, dy=10mm
Zoom Scan (8x8x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm, Graded Ratio: 1.4
Power Drift = -0.16 dB
Peak SAR (extrapolated) = 35.4 W/kg
SAR(1 g) = 7.72 W/kg; SAR(10 g) = 2.14 W/kg



0 dB = 18.9 W/kg

DT&C Co., Ltd.

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

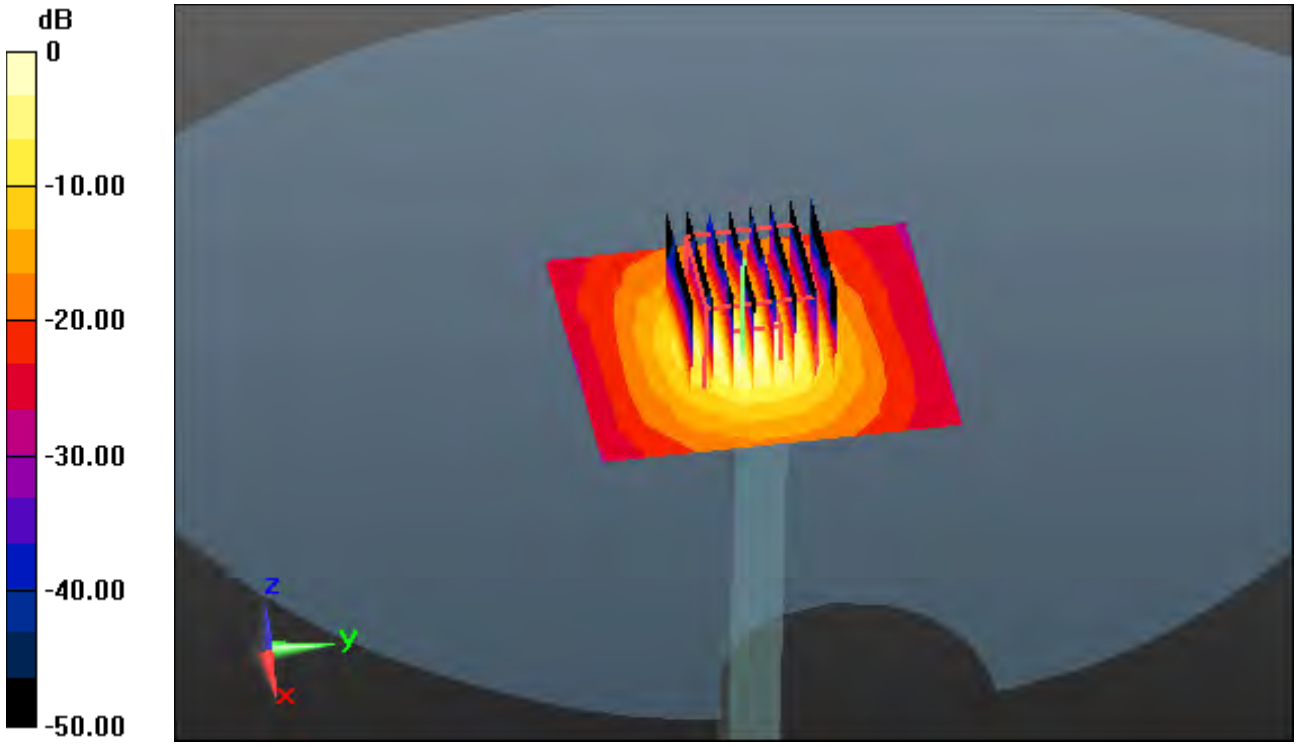
Communication System: UID 0, CW (0); Frequency: 5800 MHz; Duty Cycle: 1:1
Medium parameters used: f = 5800 MHz; σ = 5.274 S/m; ε_r = 34.676; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:
Probe: EX3DV4 - SN3930; ConvF(4.69, 4.69, 4.69); Calibrated: 7/26/2018; Electronics: DAE4 Sn1335
Sensor-Surface: 1.4mm (Mechanical Surface Detection)
Phantom: SAM with CRP v5.0; Type: QD000P40CD; Serial: TP:1837
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2019-03-07; Ambient Temp: 20.2; Tissue Temp: 20.6

5800 MHz System Head Verification (100mW)

Area Scan (7x8x1): Measurement grid: dx=10mm, dy=10mm
Zoom Scan (8x8x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm, Graded Ratio: 1.4
Power Drift = -0.09 dB
Peak SAR (extrapolated) = 34.1 W/kg
SAR(1 g) = 7.79 W/kg; SAR(10 g) = 2.19 W/kg



0 dB = 18.9 W/kg

DT&C Co., Ltd.

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

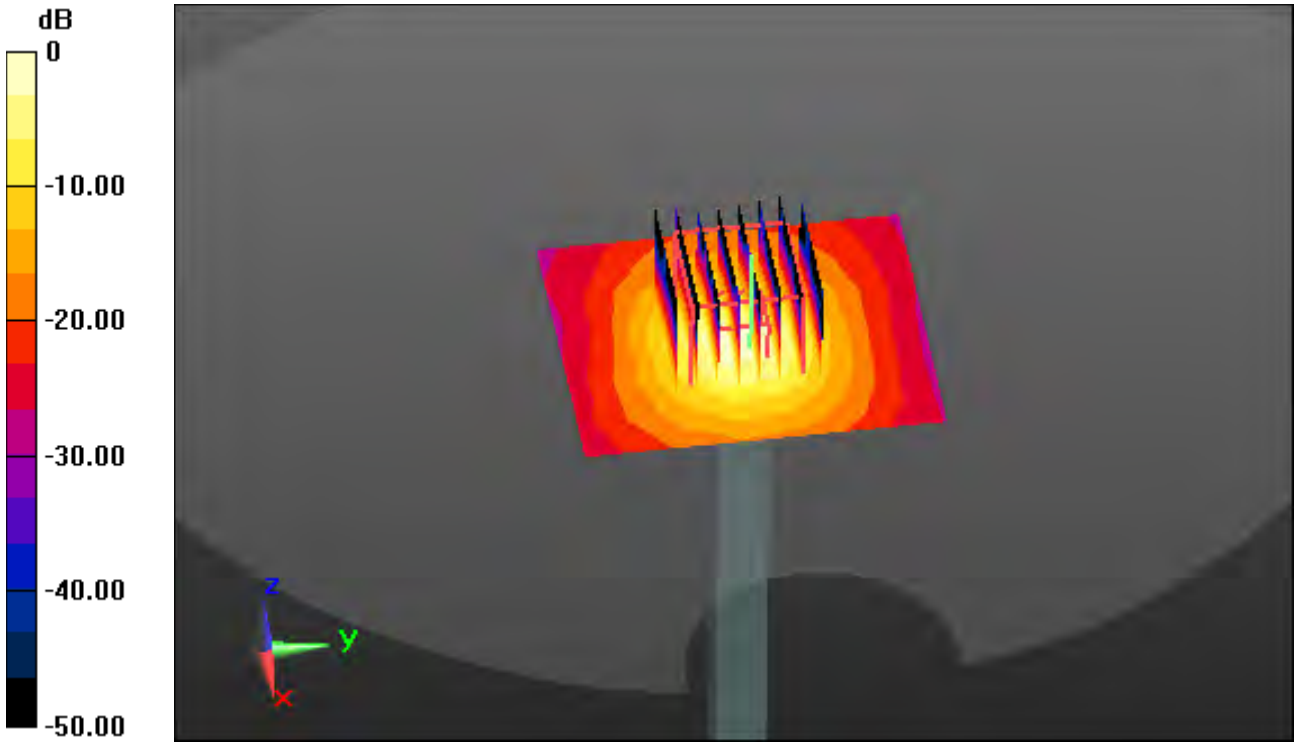
Communication System: UID 0, CW (0); Frequency: 5800 MHz; Duty Cycle: 1:1
Medium parameters used: f = 5800 MHz; σ = 5.973 S/m; ε_r = 48.722; ρ = 1000 kg/m^3
Phantom section: Flat Section

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

Test Date: 2019-03-07; Ambient Temp: 20.3; Tissue Temp: 20.5

5800 MHz System Body Verification (100mW)

Area Scan (7x8x1): Measurement grid: dx=10mm, dy=10mm
Zoom Scan (8x8x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm, Graded Ratio: 1.4
Power Drift = -0.19 dB
Peak SAR (extrapolated) = 36.0 W/kg
SAR(1 g) = 7.7 W/kg; SAR(10 g) = 2.13 W/kg



0 dB = 19.0 W/kg

DT&C Co., Ltd.

DUT: LM-V500EM; Type: Bar

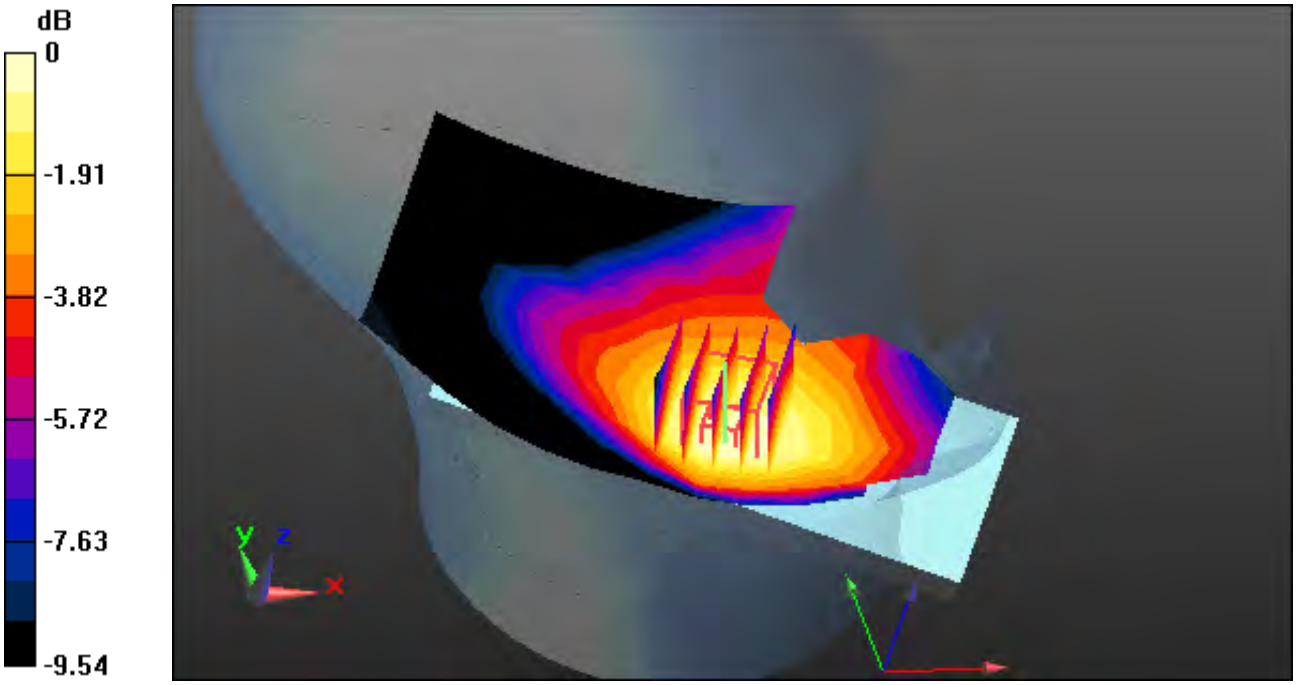
Communication System: UID 0, GSM 850 (0); Frequency: 836.6 MHz; Duty Cycle: 1:8.3
Medium parameters used: f = 836.6 MHz; σ = 0.901 S/m; ε_r = 41.678; ρ = 1000 kg/m^3
Phantom section: Left Section

DASY5 Configuration:
Probe: ES3DV3 - SN3327; ConvF(6.35, 6.35, 6.35); Calibrated: 8/28/2018; Electronics: DAE3 Sn520
Sensor-Surface: 3mm (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)

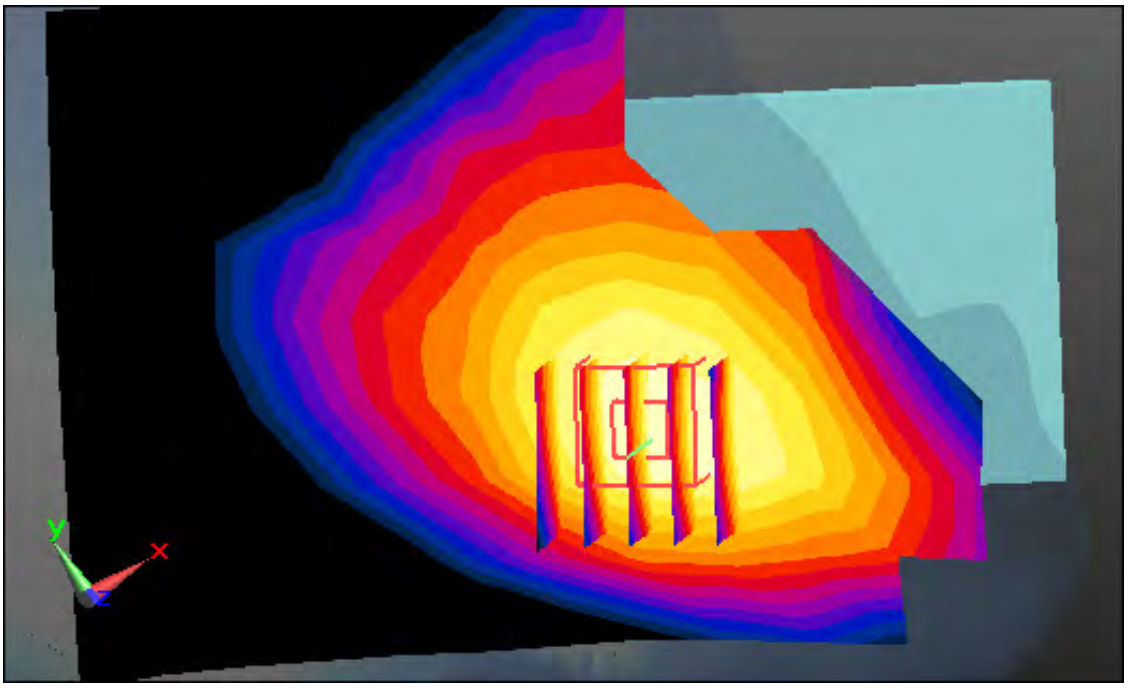
Test Date: 2019-03-01; Ambient Temp: 21.4; Tissue Temp: 21.1

Left 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 = 0.04 dB
Peak SAR (extrapolated) = 0.101 W/kg
SAR(1 g) = 0.083 W/kg; SAR(10 g) = 0.064 W/kg



0 dB = 0.0895 W/kg



Enlarged Plot for A1

DT&C Co., Ltd.

DUT: LM-V500EM; Type: Bar

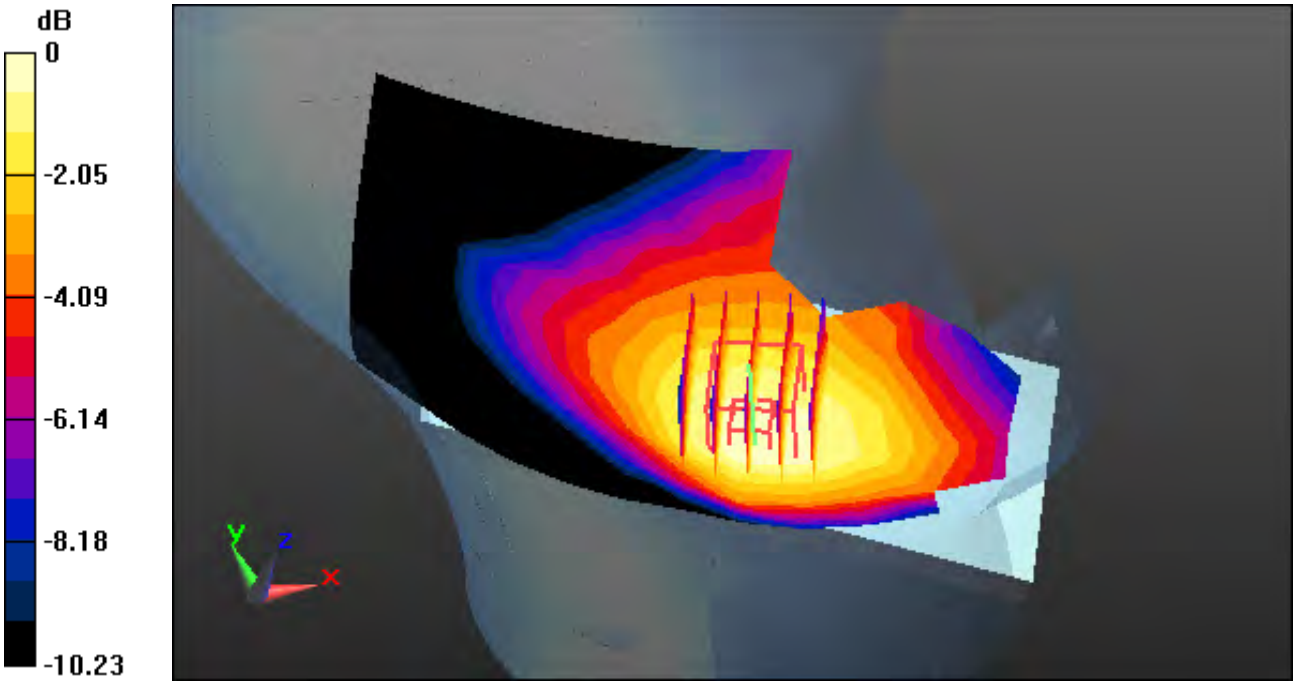
Communication System: UID 0, GSM 850_2 Tx (0); Frequency: 836.6 MHz; Duty Cycle: 1:4.15
Medium parameters used: f = 836.6 MHz; σ = 0.901 S/m; ε_r = 41.678; ρ = 1000 kg/m^3
Phantom section: Left Section

DASY5 Configuration:
Probe: ES3DV3 - SN3327; ConvF(6.35, 6.35, 6.35); Calibrated: 8/28/2018; Electronics: DAE3 Sn520
Sensor-Surface: 3mm (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)

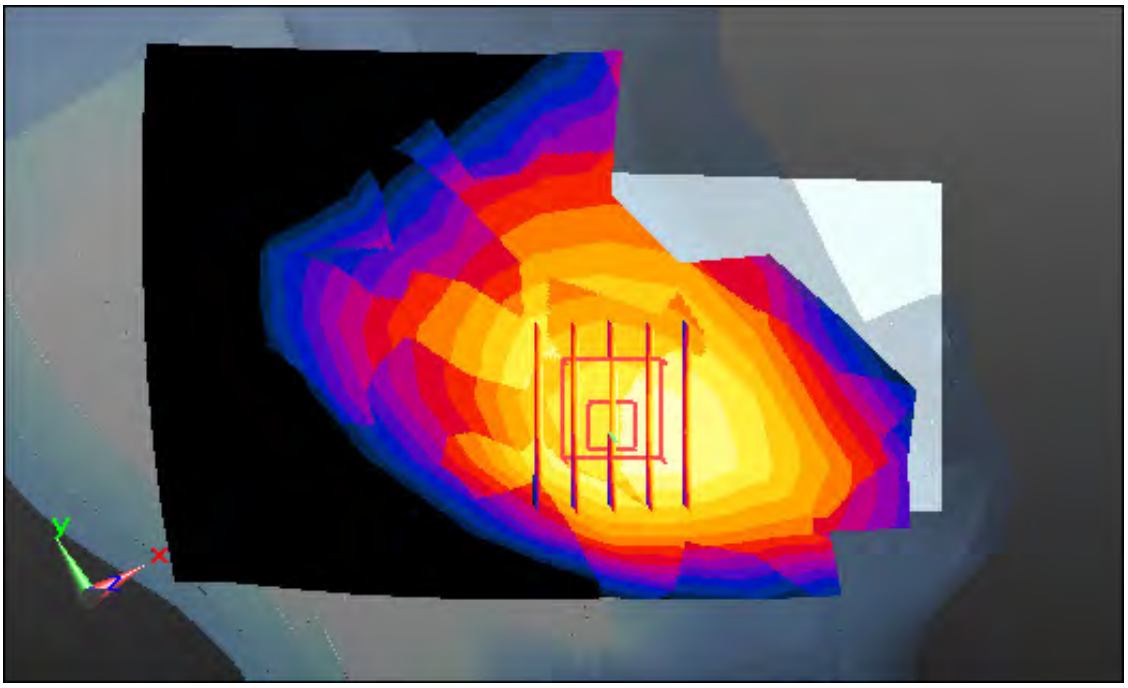
Test Date: 2019-03-01; Ambient Temp: 21.4; Tissue Temp: 21.1

Left Touch, GSM850 GPRS 2Tx Ch. 190, Ant Internal, Standard Battery

Area Scan (9x14x1): Measurement grid: dx=15mm, dy=15mm
Zoom Scan (6x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Power Drift = 0.19 dB
Peak SAR (extrapolated) = 0.133 W/kg
SAR(1 g) = 0.109 W/kg; SAR(10 g) = 0.086 W/kg



0 dB = 0.118 W/kg



Enlarged Plot for A2

DT&C Co., Ltd.

DUT: LM-V500EM; Type: Bar

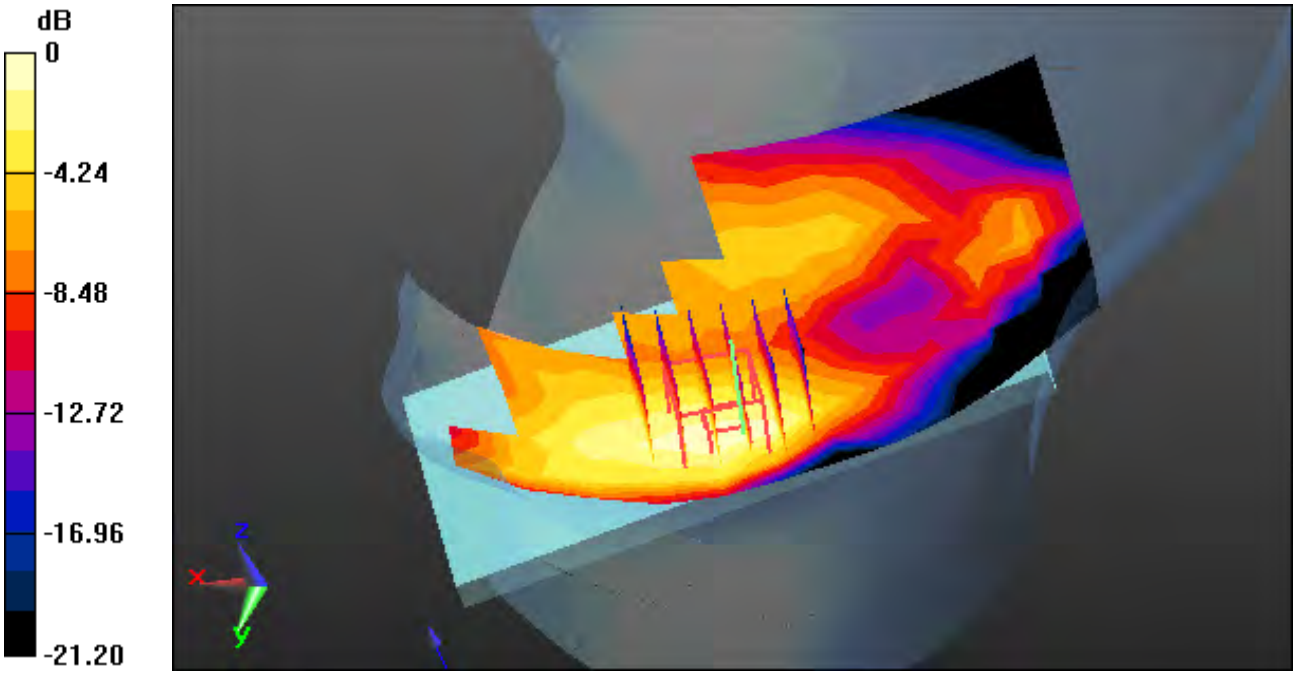
Communication System: UID 0, PCS 1900 (0); Frequency: 1880 MHz; Duty Cycle: 1:8.3
Medium parameters used: f = 1880 MHz; σ = 1.382 S/m; ε_r = 39.478; ρ = 1000 kg/m^3
Phantom section: Right Section

DASY5 Configuration:
Probe: ES3DV3 - SN3327; ConvF(5.27, 5.27, 5.27); Calibrated: 8/28/2018; Electronics: DAE3 Sn520
Sensor-Surface: 3mm (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)

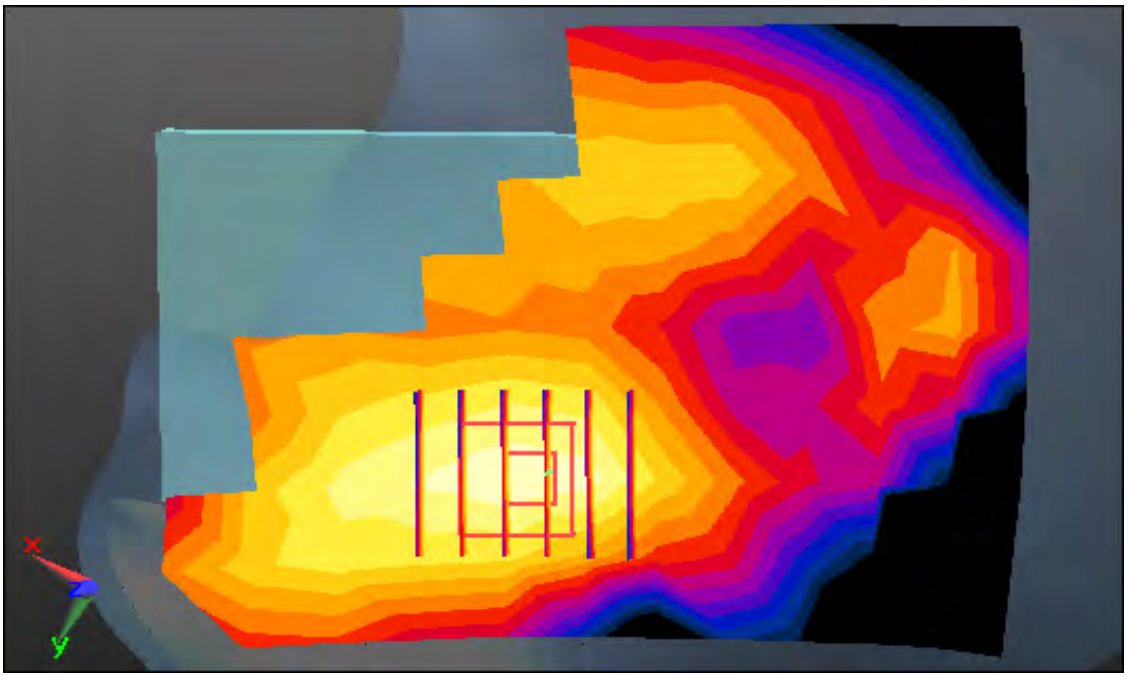
Test Date: 2019-03-02; Ambient Temp: 21.2; Tissue Temp: 21.3

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

Area Scan (9x14x1): Measurement grid: dx=15mm, dy=15mm
Zoom Scan (5x6x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Power Drift = 0.12 dB
Peak SAR (extrapolated) = 0.100 W/kg
SAR(1 g) = 0.061 W/kg; SAR(10 g) = 0.035 W/kg



0 dB = 0.0724 W/kg



Enlarged Plot for A3

DT&C Co., Ltd.

DUT: LM-V500EM; Type: Bar

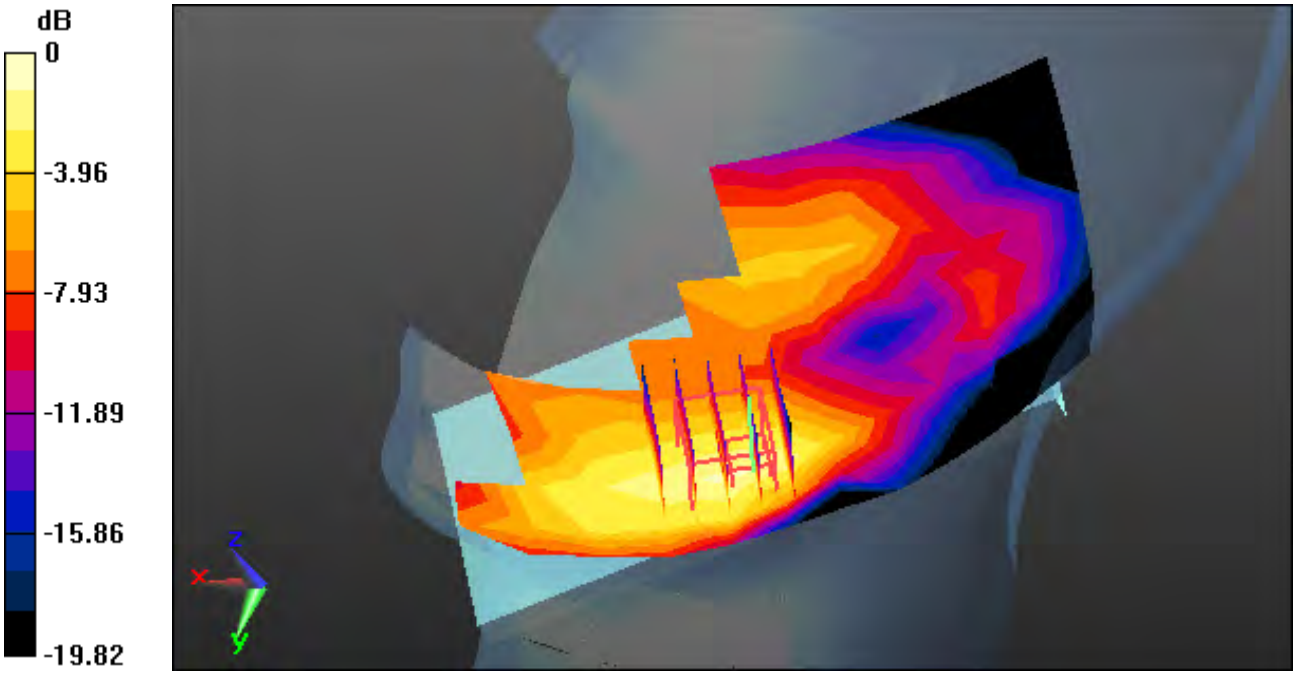
Communication System: UID 0, PCS1900_3 Tx (0); Frequency: 1880 MHz; Duty Cycle: 1:2.77
Medium parameters used: f = 1880 MHz; σ = 1.382 S/m; ε_r = 39.478; ρ = 1000 kg/m^3
Phantom section: Right Section

DASY5 Configuration:
Probe: ES3DV3 - SN3327; ConvF(5.27, 5.27, 5.27); Calibrated: 8/28/2018; Electronics: DAE3 Sn520
Sensor-Surface: 3mm (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)

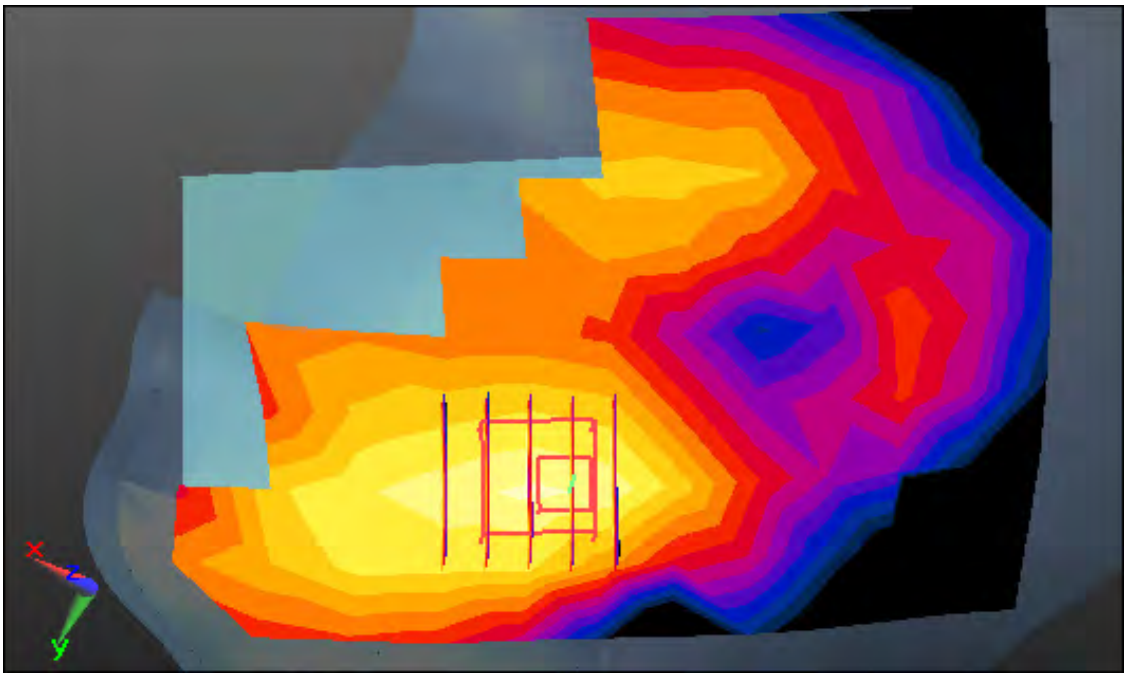
Test Date: 2019-03-02; Ambient Temp: 21.2; Tissue Temp: 21.3

Right 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 = 0.18 dB
Peak SAR (extrapolated) = 0.0920 W/kg
SAR(1 g) = 0.063 W/kg; SAR(10 g) = 0.035 W/kg



0 dB = 0.0791 W/kg



Enlarged Plot for A4

DT&C Co., Ltd.

DUT: LM-V500EM; Type: Bar

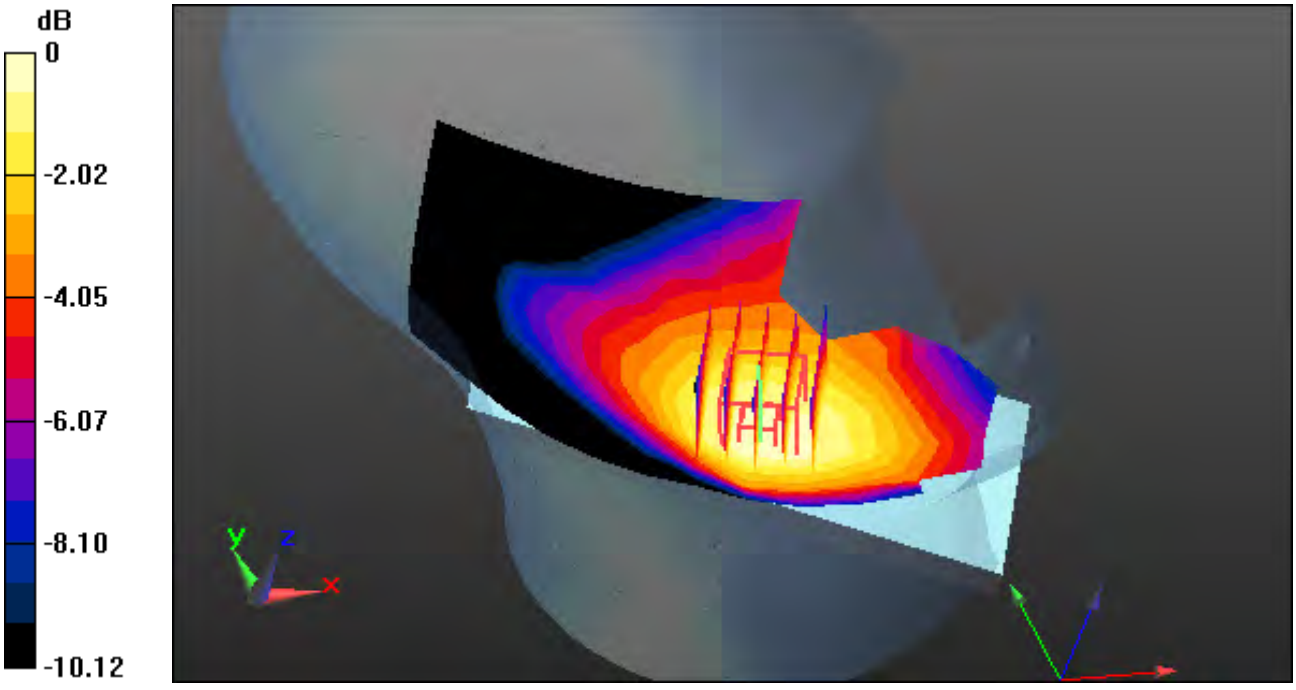
Communication System: UID 0, WCDMA 850 (0); Frequency: 836.6 MHz; Duty Cycle: 1:1
Medium parameters used: f = 836.6 MHz; σ = 0.894 S/m; ε_r = 41.5; ρ = 1000 kg/m^3
Phantom section: Left Section

DASY5 Configuration:
Probe: ES3DV3 - SN3327; ConvF(6.35, 6.35, 6.35); Calibrated: 8/28/2018; Electronics: DAE3 Sn520
Sensor-Surface: 3mm (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)

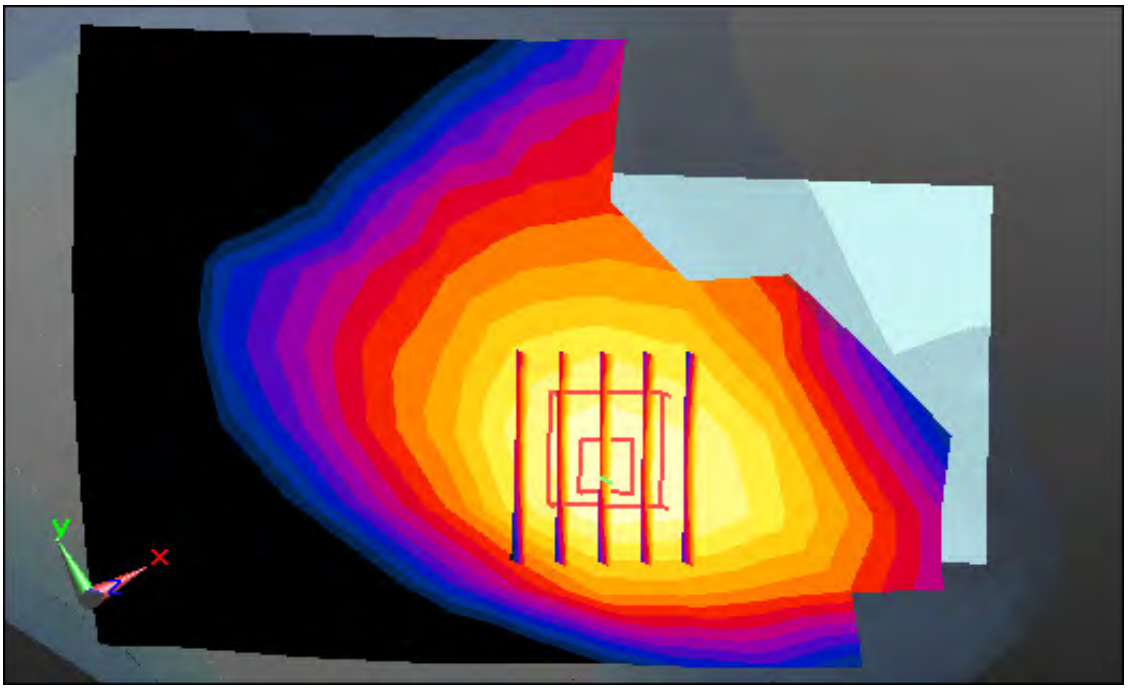
Test Date: 2019-03-04; Ambient Temp: 21.1; Tissue Temp: 21.5

Left Touch, WCDMA850 Ch. 4183, Ant Internal, Standard Battery

Area Scan (9x14x1): Measurement grid: dx=15mm, dy=15mm
Zoom Scan (6x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Power Drift = 0.09 dB
Peak SAR (extrapolated) = 0.179 W/kg
SAR(1 g) = 0.146 W/kg; SAR(10 g) = 0.115 W/kg



0 dB = 0.158 W/kg



Enlarged Plot for A5

DUT: LM-V500EM; Type: Bar

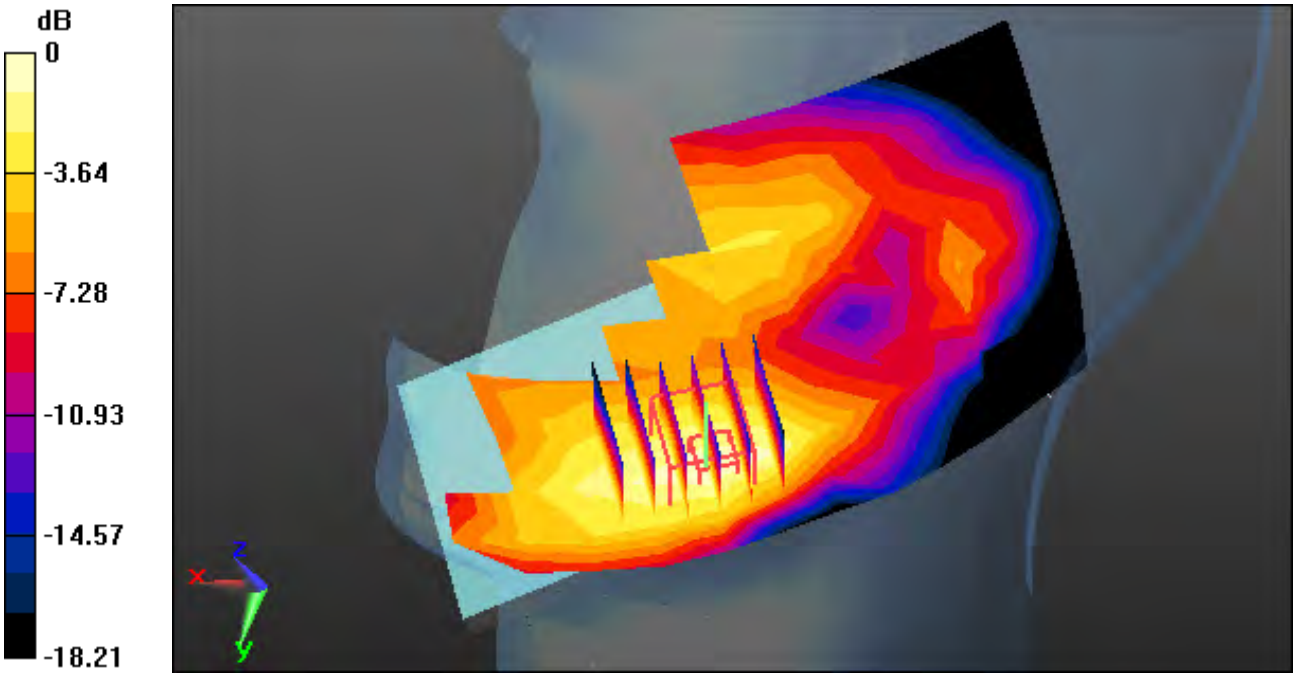
Communication System: UID 0, WCDMA 1900 (0); Frequency: 1880 MHz; Duty Cycle: 1:1
Medium parameters used: f = 1880 MHz; σ = 1.384 S/m; ε_r = 39.756; ρ = 1000 kg/m^3
Phantom section: Right Section

DASY5 Configuration:
Probe: ES3DV3 - SN3327; ConvF(5.27, 5.27, 5.27); Calibrated: 8/28/2018; Electronics: DAE3 Sn520
Sensor-Surface: 3mm (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)

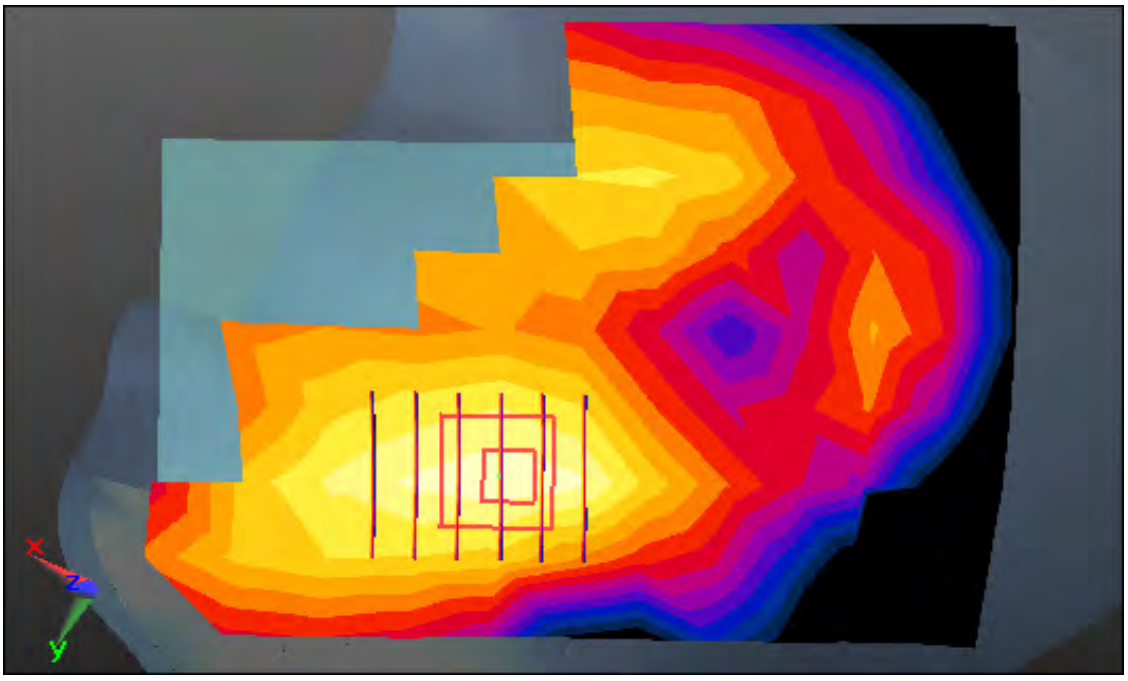
Test Date: 2019-03-05; Ambient Temp: 21.3; Tissue Temp: 21.7

Right Touch, WCDMA1900 Ch. 9400, Ant Internal, Standard Battery

Area Scan (9x14x1): Measurement grid: dx=15mm, dy=15mm
Zoom Scan (5x6x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Power Drift = 0.17 dB
Peak SAR (extrapolated) = 0.185 W/kg
SAR(1 g) = 0.115 W/kg; SAR(10 g) = 0.068 W/kg



0 dB = 0.139 W/kg



Enlarged Plot for A6

DT&C Co., Ltd.

DUT: LM-V500EM; Type: Bar

Communication System: UID 0, LTE Band 12 (FCC) (0); Frequency: 707.5 MHz;Duty Cycle: 1:1
Medium parameters used: f = 707.5 MHz; σ = 0.892 S/m; ε_r = 41.371; ρ = 1000 kg/m^3
Phantom section: Left Section

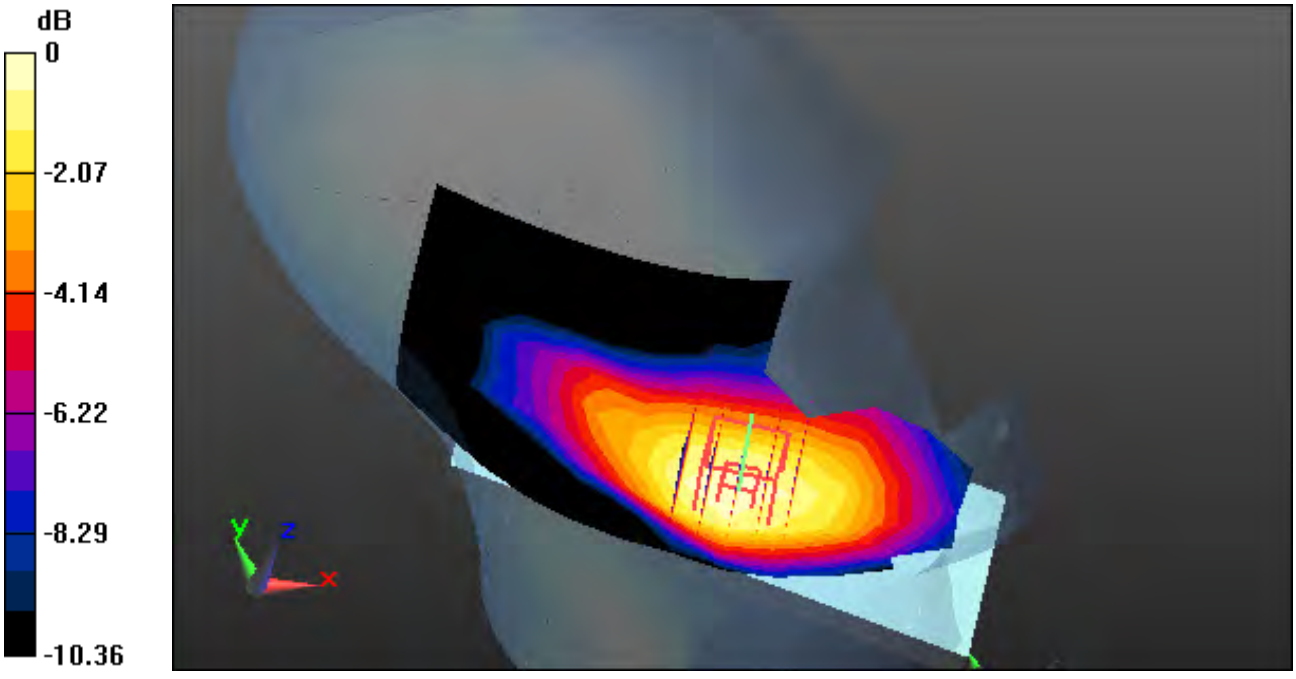
DASY5 Configuration:
Probe: ES3DV3 - SN3327; ConvF(6.57, 6.57, 6.57); Calibrated: 8/28/2018; Electronics: DAE3 Sn520
Sensor-Surface: 3mm (Mechanical Surface Detection)
Phantom: SAM-twin middle_2013_09_24; Type: QD000P40CD; Serial: 1782
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2019-03-11; Ambient Temp: 21.5; Tissue Temp: 21.2

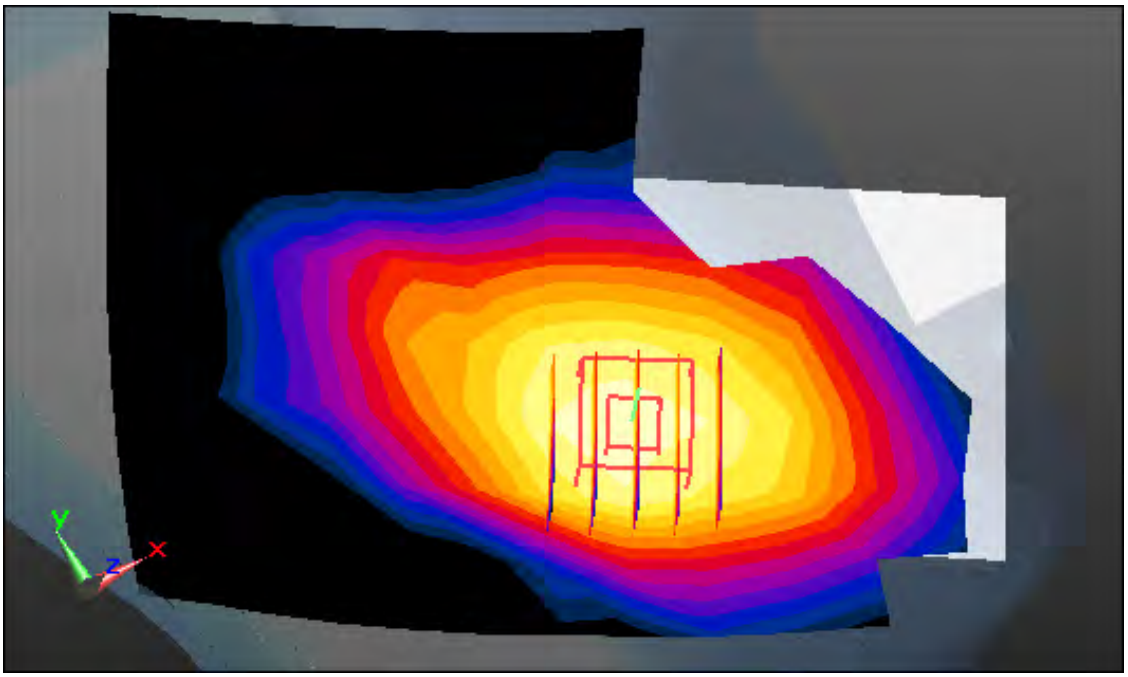
Left Touch, LTE Band 12 Ch. 23095, Ant Internal, Standard Battery

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

Area Scan (9x14x1): Measurement grid: dx=15mm, dy=15mm
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Power Drift = -0.06 dB
Peak SAR (extrapolated) = 0.135 W/kg
SAR(1 g) = 0.107 W/kg; SAR(10 g) = 0.083 W/kg



0 dB = 0.117 W/kg



Enlarged Plot for A7

DT&C Co., Ltd.

DUT: LM-V500EM; Type: Bar

Communication System: UID 0, LTE Band 5 (FCC) (0); Frequency: 836.5 MHz;Duty Cycle: 1:1
Medium parameters used: f = 836.5 MHz; σ = 0.893 S/m; ε_r = 41.529; ρ = 1000 kg/m^3
Phantom section: Left Section

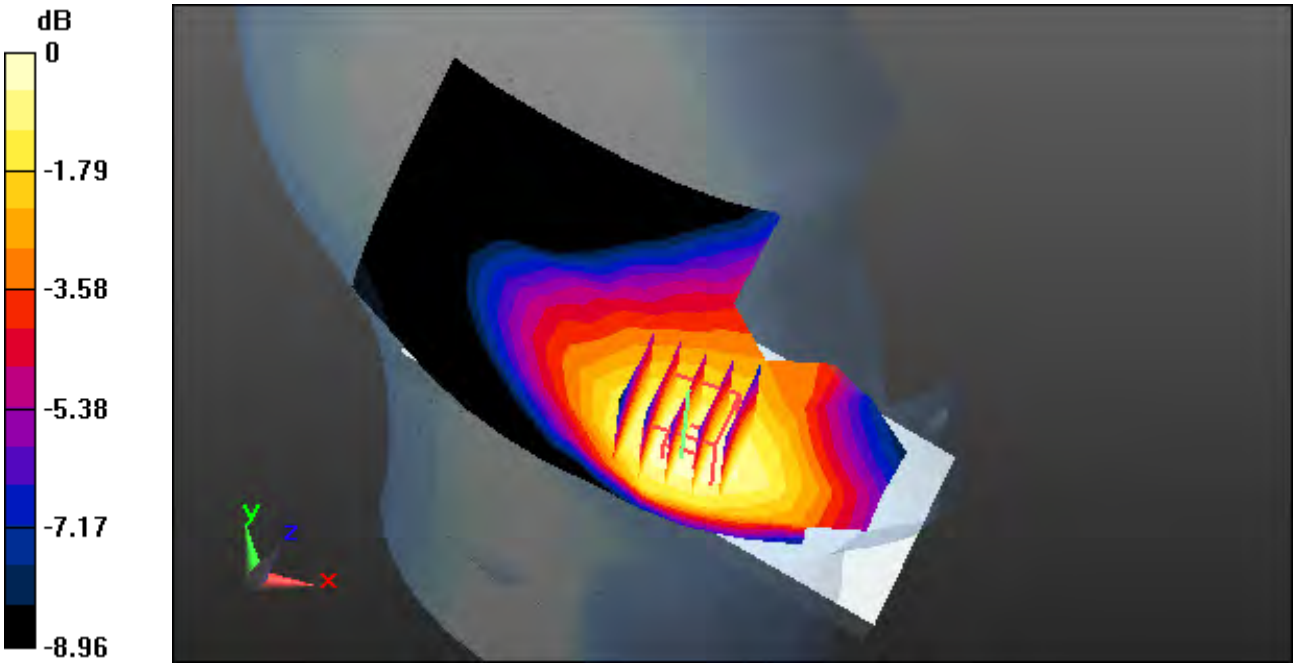
DASY5 Configuration:
Probe: ES3DV3 - SN3327; ConvF(6.35, 6.35, 6.35); Calibrated: 8/28/2018; Electronics: DAE3 Sn520
Sensor-Surface: 3mm (Mechanical Surface Detection)
Phantom: SAM-twin middle_2013_09_24; Type: QD000P40CD; Serial: 1782
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2019-03-08; Ambient Temp: 21.3; Tissue Temp: 22.0

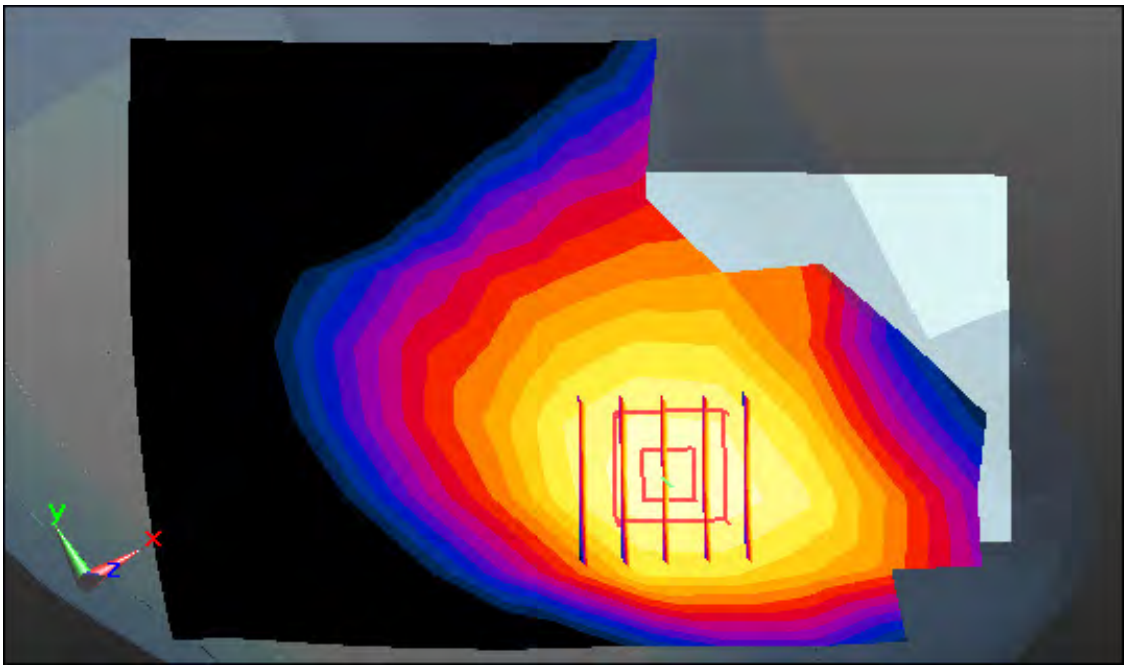
Left Touch, LTE Band 5 Ch. 20525, Ant Internal, Standard Battery

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

Area Scan (9x14x1): Measurement grid: dx=15mm, dy=15mm
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Power Drift = 0.11 dB
Peak SAR (extrapolated) = 0.200 W/kg
SAR(1 g) = 0.169 W/kg; SAR(10 g) = 0.135 W/kg



0 dB = 0.182 W/kg



Enlarged Plot for A8

DT&C Co., Ltd.

DUT: LM-V500EM; 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 = 1.323 S/m; ε_r = 41.159; ρ = 1000 kg/m^3
Phantom section: Right Section

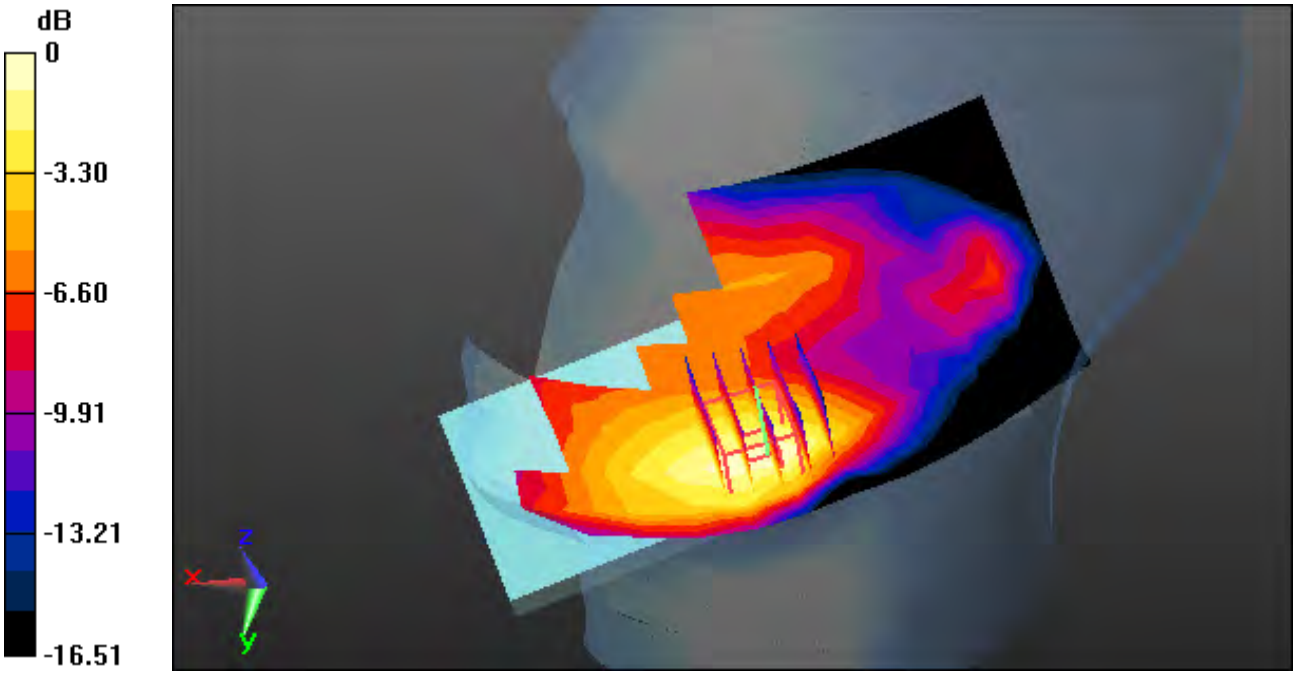
DASY5 Configuration:
Probe: ES3DV3 - SN3327; ConvF(5.5, 5.5, 5.5); Calibrated: 8/28/2018; Electronics: DAE3 Sn520
Sensor-Surface: 3mm (Mechanical Surface Detection)
Phantom: SAM-twin middle_2013_09_24; Type: QD000P40CD; Serial: 1782
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2019-03-07; Ambient Temp: 21.4; Tissue Temp: 21.7

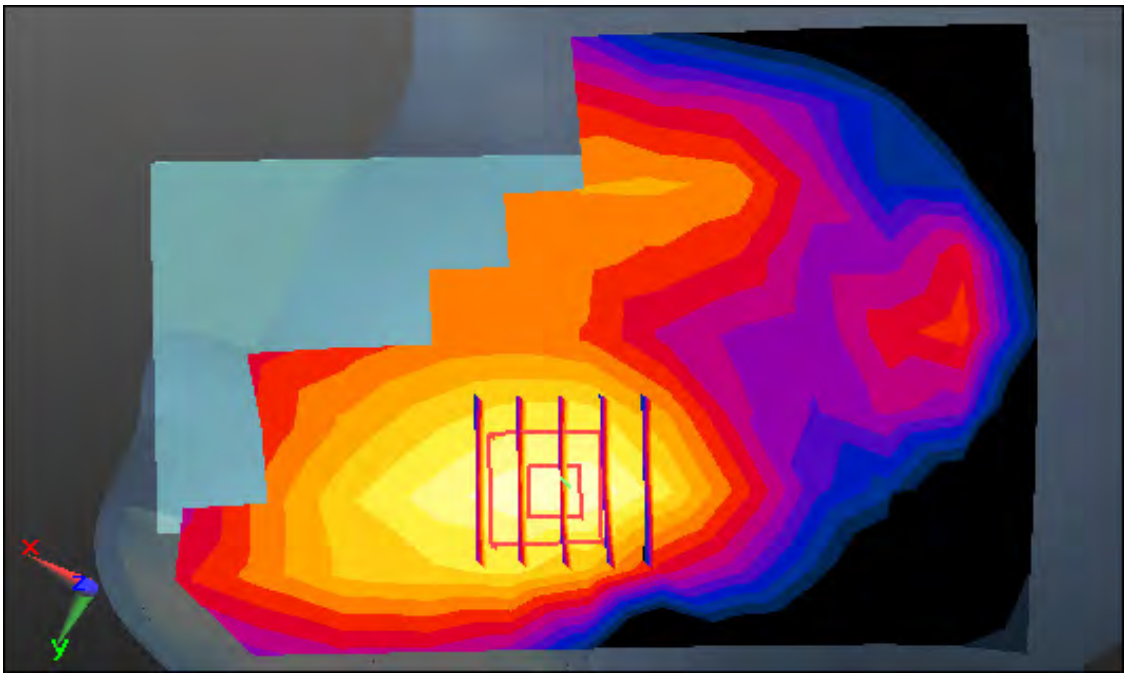
Right Touch, LTE Band 4 Ch. 20175, Ant Internal, Standard Battery

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 = 0.12 dB
Peak SAR (extrapolated) = 0.175 W/kg
SAR(1 g) = 0.117 W/kg; SAR(10 g) = 0.073 W/kg



0 dB = 0.138 W/kg



Enlarged Plot for A9

DT&C Co., Ltd.

DUT: LM-V500EM; Type: Bar

Communication System: UID 0, LTE Band 2 (0); Frequency: 1860 MHz;Duty Cycle: 1:1
Medium parameters used: f = 1860 MHz; σ = 1.37 S/m; ε_r = 39.522; ρ = 1000 kg/m^3
Phantom section: Right Section

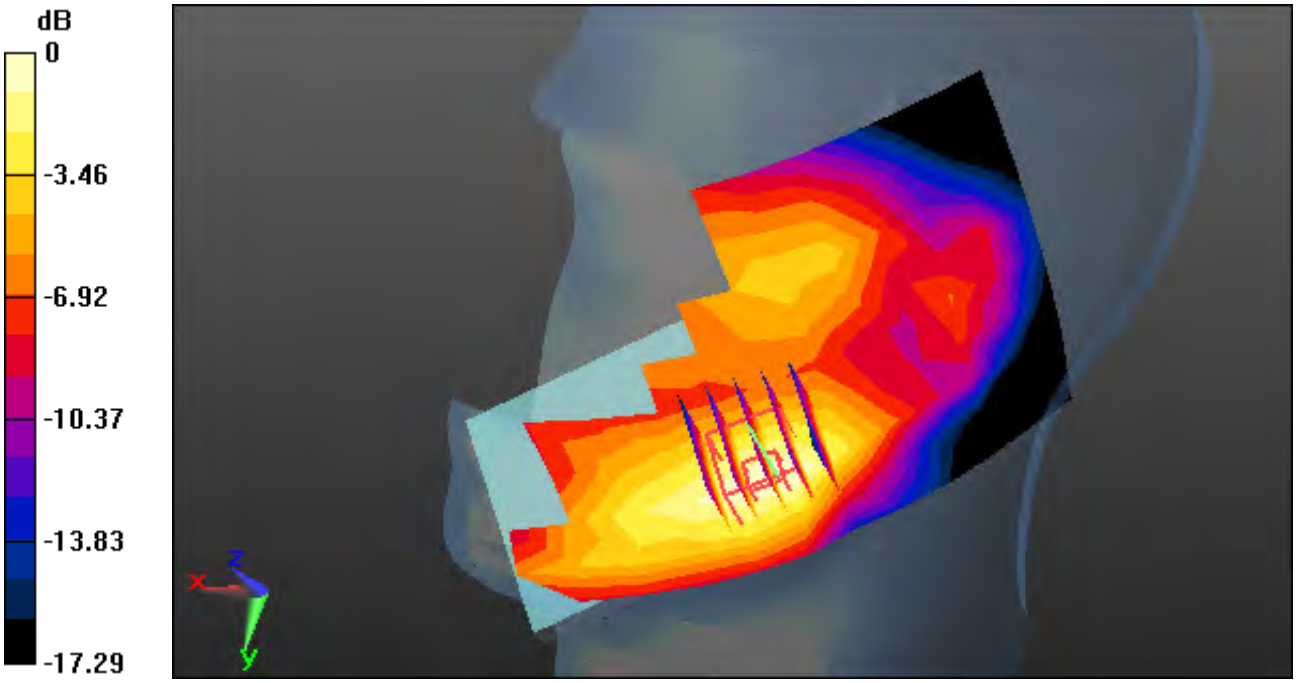
DASY5 Configuration:
Probe: ES3DV3 - SN3327; ConvF(5.27, 5.27, 5.27); Calibrated: 8/28/2018; Electronics: DAE3 Sn520
Sensor-Surface: 3mm (Mechanical Surface Detection)
Phantom: SAM-twin middle_2013_09_24; Type: QD000P40CD; Serial: 1782
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2019-03-06; Ambient Temp: 21.2; Tissue Temp: 21.6

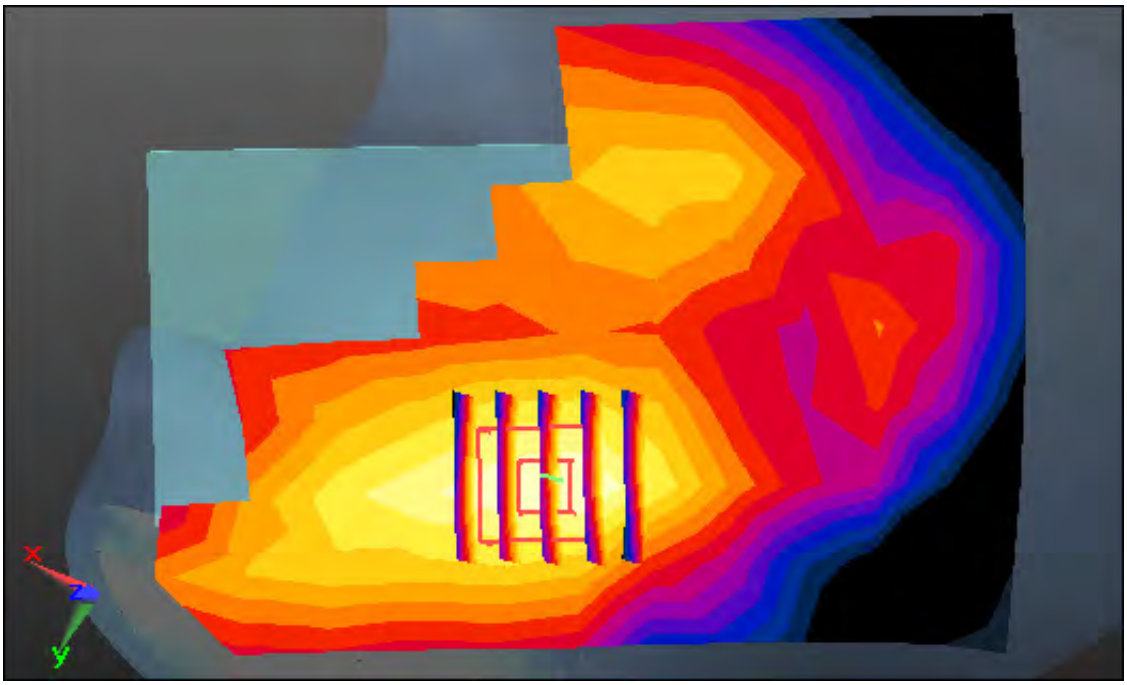
Right Touch, LTE Band 2 Ch. 18700, Ant Internal, Standard Battery

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

Area Scan (9x14x1): Measurement grid: dx=15mm, dy=15mm
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Power Drift = 0.15 dB
Peak SAR (extrapolated) = 0.229 W/kg
SAR(1 g) = 0.146 W/kg; SAR(10 g) = 0.088 W/kg



0 dB = 0.174 W/kg



Enlarged Plot for A10

DT&C Co., Ltd.

DUT: LM-V500EM; Type: Bar

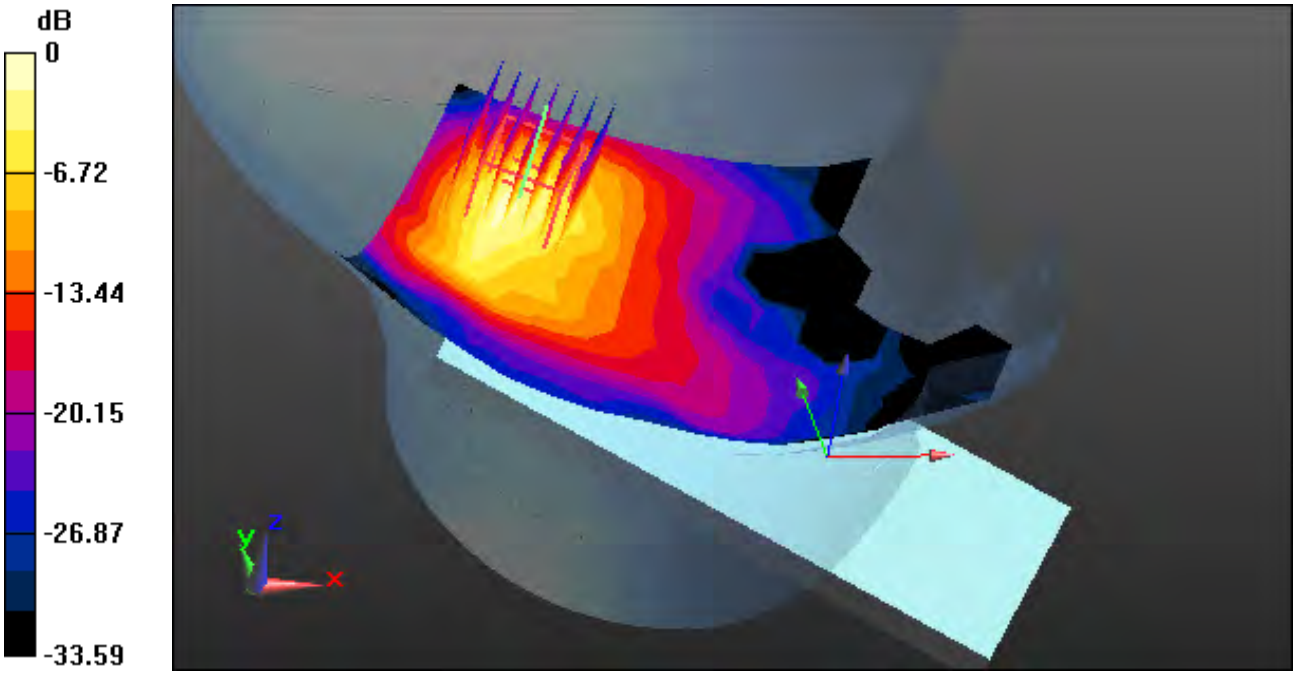
Communication System: UID 0, 00_2.4 GHz W-LAN (0); Frequency: 2412 MHz; Duty Cycle: 1:1
Medium parameters used: f = 2412 MHz; σ = 1.766 S/m; ε_r = 39.975; ρ = 1000 kg/m^3
Phantom section: Left Section

DASY5 Configuration:
Probe: ES3DV3 - SN3327; ConvF(4.56, 4.56, 4.56); Calibrated: 8/28/2018; Electronics: DAE3 Sn520
Sensor-Surface: 3mm (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)

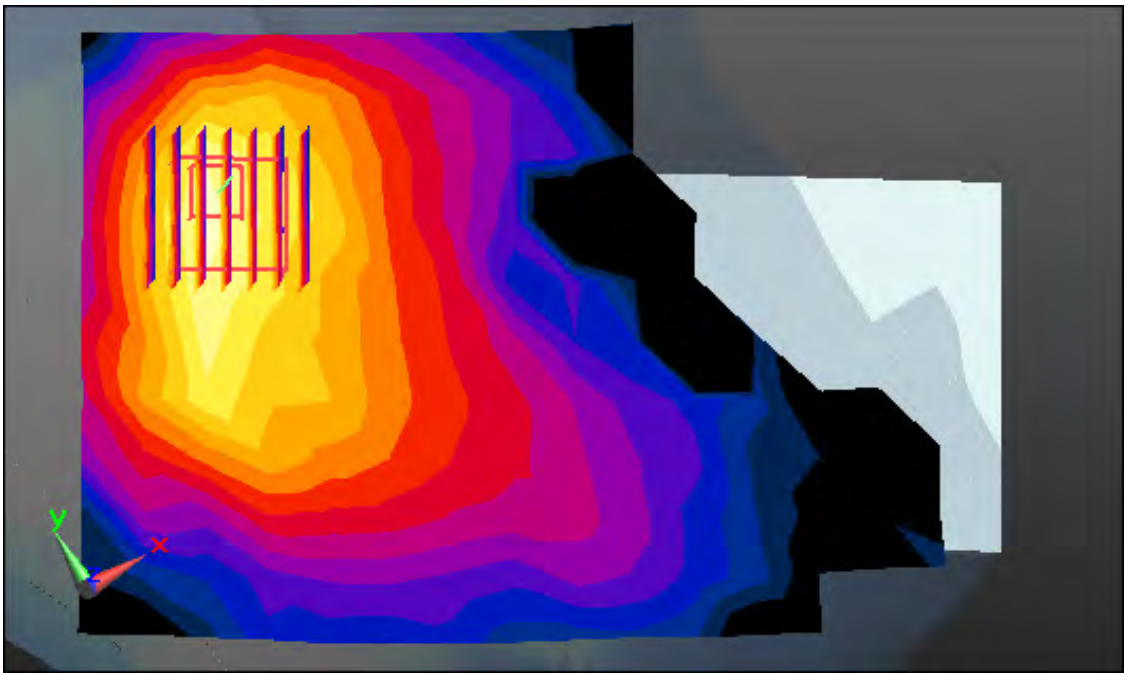
Test Date: 2019-03-12; Ambient Temp: 21.2; Tissue Temp: 21.5

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

Area Scan (11x17x1): Measurement grid: dx=12mm, dy=12mm
Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Power Drift = 0.14 dB
Peak SAR (extrapolated) = 1.19 W/kg
SAR(1 g) = 0.286 W/kg; SAR(10 g) = 0.115 W/kg



0 dB = 0.477 W/kg



Enlarged Plot for A11

DT&C Co., Ltd.

DUT: LM-V500EM; Type: Bar

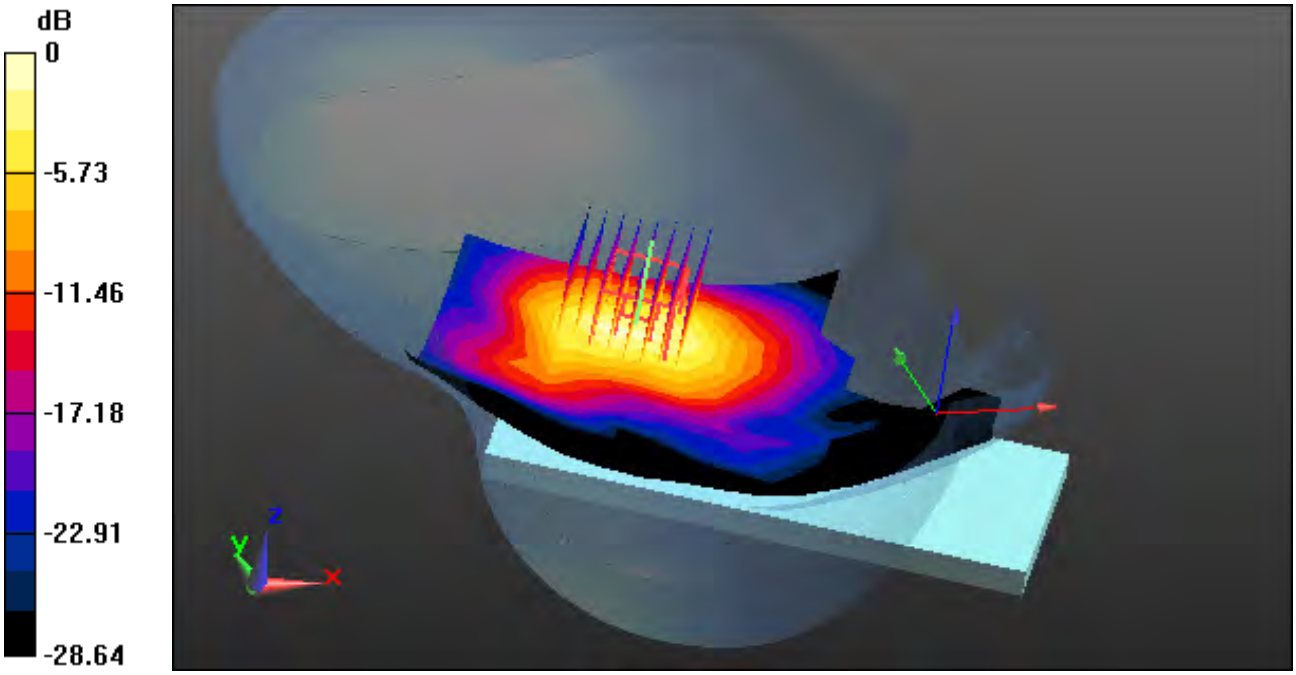
Communication System: UID 0, 00_2.4 GHz W-LAN (0); Frequency: 2412 MHz; Duty Cycle: 1:1
Medium parameters used: f = 2412 MHz; σ = 1.766 S/m; ε_r = 39.975; ρ = 1000 kg/m^3
Phantom section: Left Section

DASY5 Configuration:
Probe: ES3DV3 - SN3327; ConvF(4.56, 4.56, 4.56); Calibrated: 8/28/2018; Electronics: DAE3 Sn520
Sensor-Surface: 3mm (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)

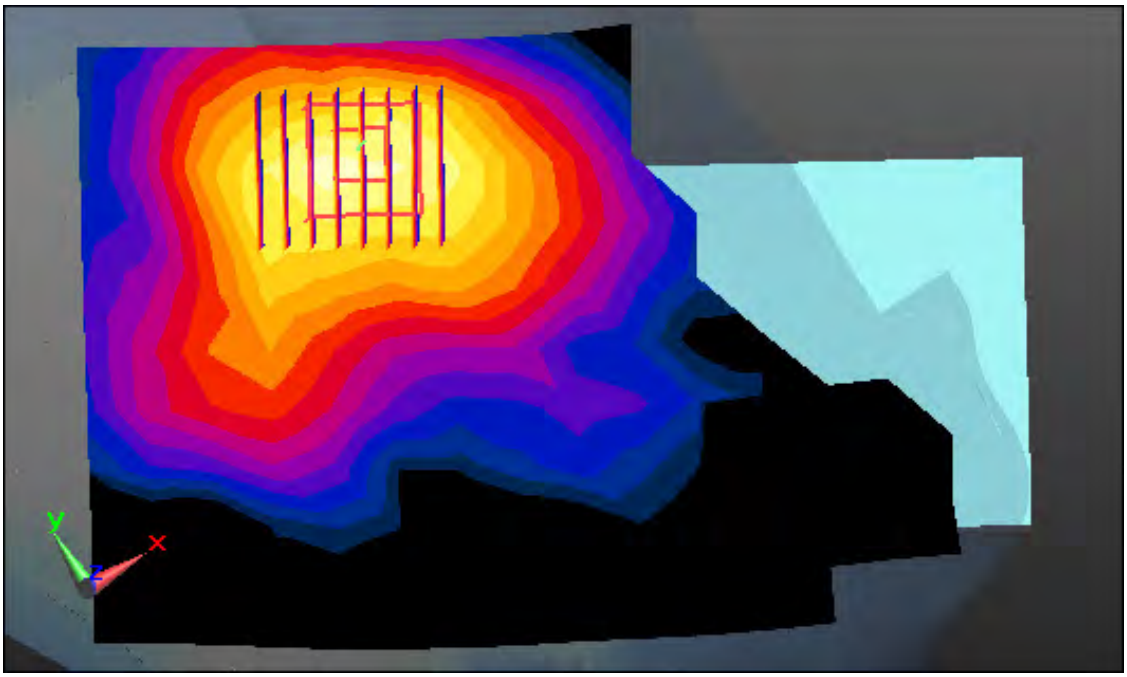
Test Date: 2019-03-12; Ambient Temp: 21.2; Tissue Temp: 21.5

Left Touch, W-LAN(802.11b - 2.4G) Ch. 1, Ant Internal, Standard Battery, Ant.2

Area Scan (11x17x1): Measurement grid: dx=12mm, dy=12mm
Zoom Scan (7x8x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Power Drift = 0.15 dB
Peak SAR (extrapolated) = 0.927 W/kg
SAR(1 g) = 0.368 W/kg; SAR(10 g) = 0.157 W/kg



0 dB = 0.525 W/kg



Enlarged Plot for A12

DT&C Co., Ltd.

DUT: LM-V500EM; Type: Bar

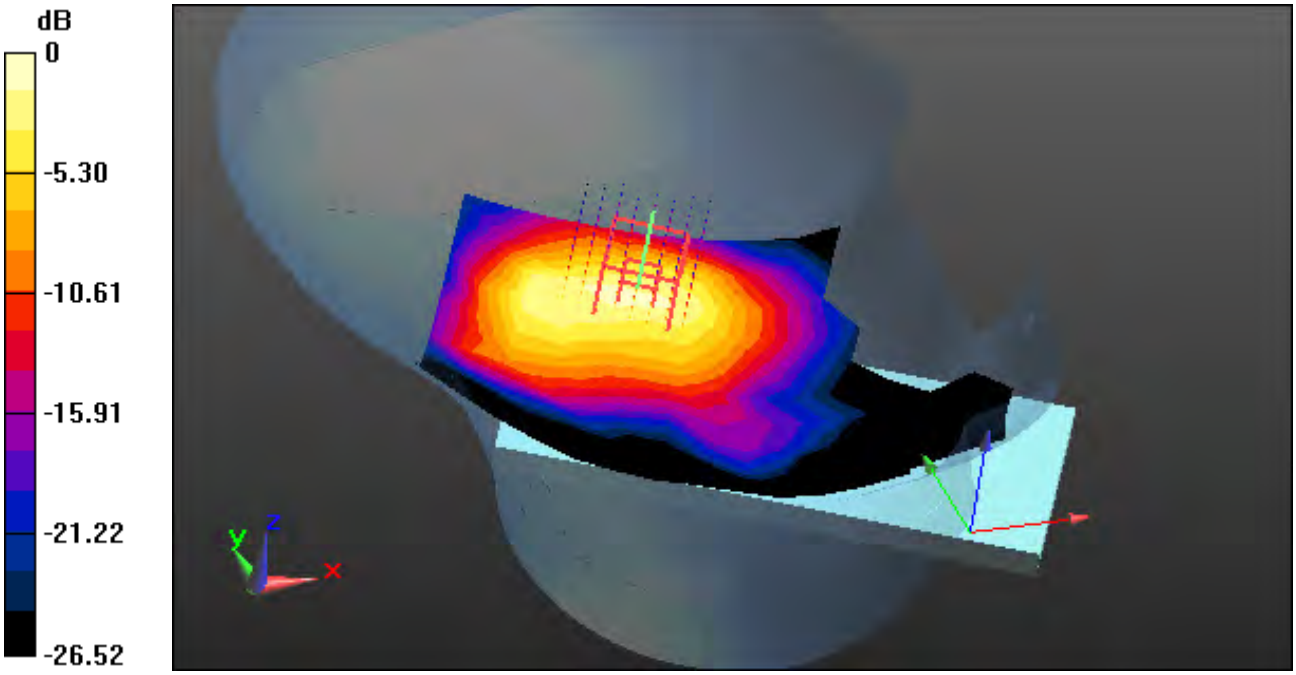
Communication System: UID 0, 00_2.4 GHz W-LAN (0); Frequency: 2412 MHz; Duty Cycle: 1:1
Medium parameters used: f = 2412 MHz; σ = 1.766 S/m; ε_r = 39.975; ρ = 1000 kg/m^3
Phantom section: Left Section

DASY5 Configuration:
Probe: ES3DV3 - SN3327; ConvF(4.56, 4.56, 4.56); Calibrated: 8/28/2018; Electronics: DAE3 Sn520
Sensor-Surface: 3mm (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)

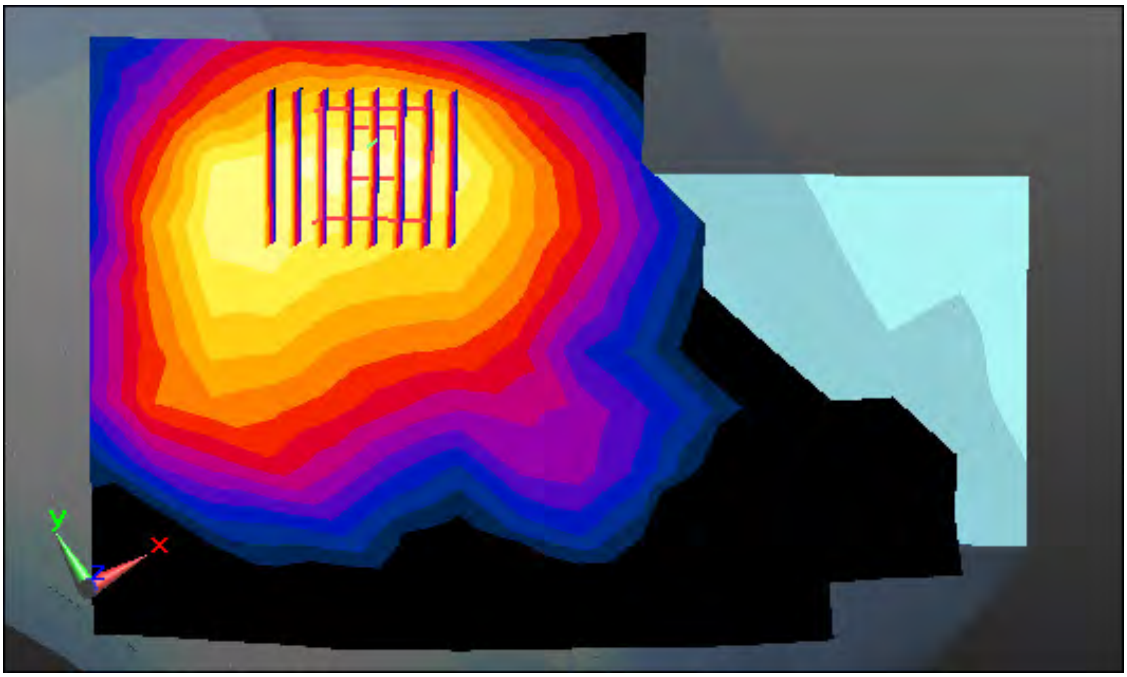
Test Date: 2019-03-12; Ambient Temp: 21.2; Tissue Temp: 21.5

Left Touch, W-LAN(802.11g - 2.4G) Ch. 1, Ant Internal, Standard Battery, MIMO

Area Scan (11x17x1): Measurement grid: dx=12mm, dy=12mm
Zoom Scan (7x8x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Power Drift = -0.15 dB
Peak SAR (extrapolated) = 1.02 W/kg
SAR(1 g) = 0.440 W/kg; SAR(10 g) = 0.196 W/kg



0 dB = 0.596 W/kg



Enlarged Plot for A13

DT&C Co., Ltd.

DUT: LM-V500EM; Type: Bar

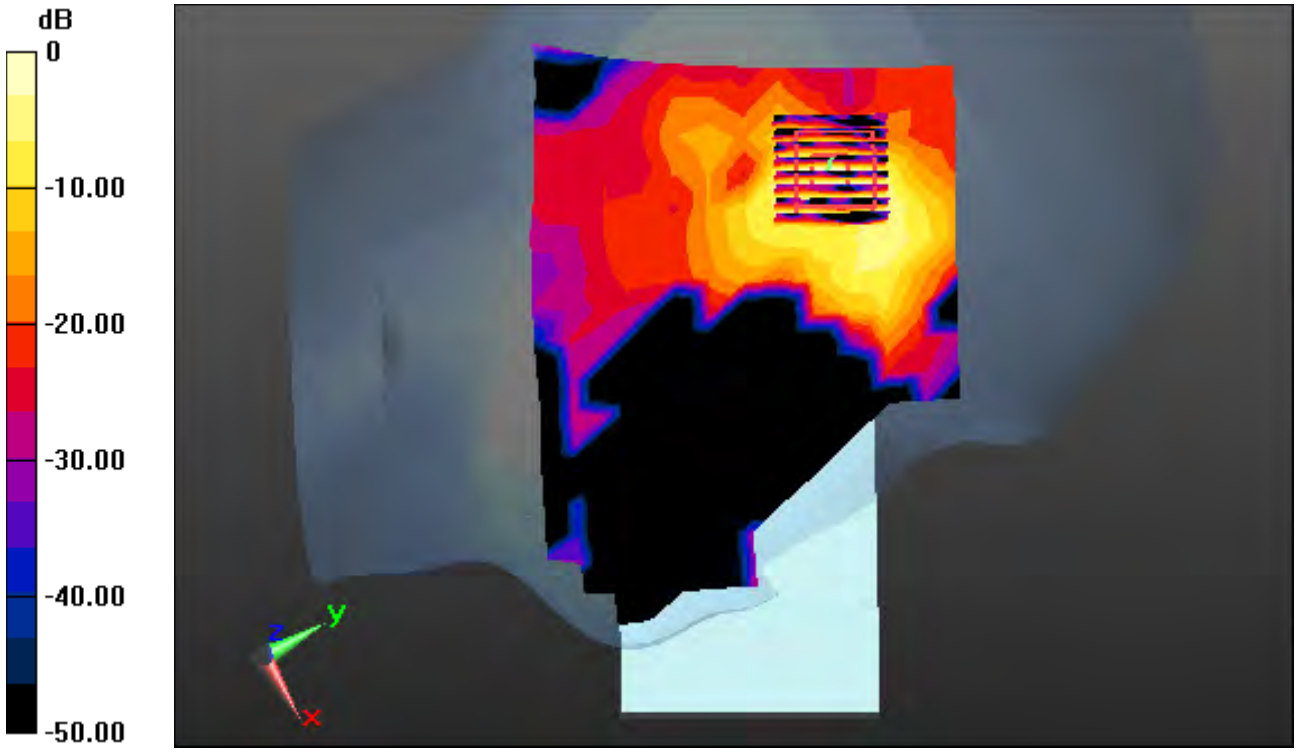
Communication System: UID 0, 00_5GHz W-LAN (0); Frequency: 5320 MHz; Duty Cycle: 1:1
Medium parameters used: f = 5320 MHz; σ = 4.891 S/m; ε_r = 36.013; ρ = 1000 kg/m^3
Phantom section: Left Section

DASY5 Configuration:
Probe: EX3DV4 - SN3930; ConvF(5.1, 5.1, 5.1); Calibrated: 7/26/2018; Electronics: DAE4 Sn1335
Sensor-Surface: 1.4mm (Mechanical Surface Detection)
Phantom: SAM with CRP v5.0; Type: QD000P40CD; Serial: TP:1837
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

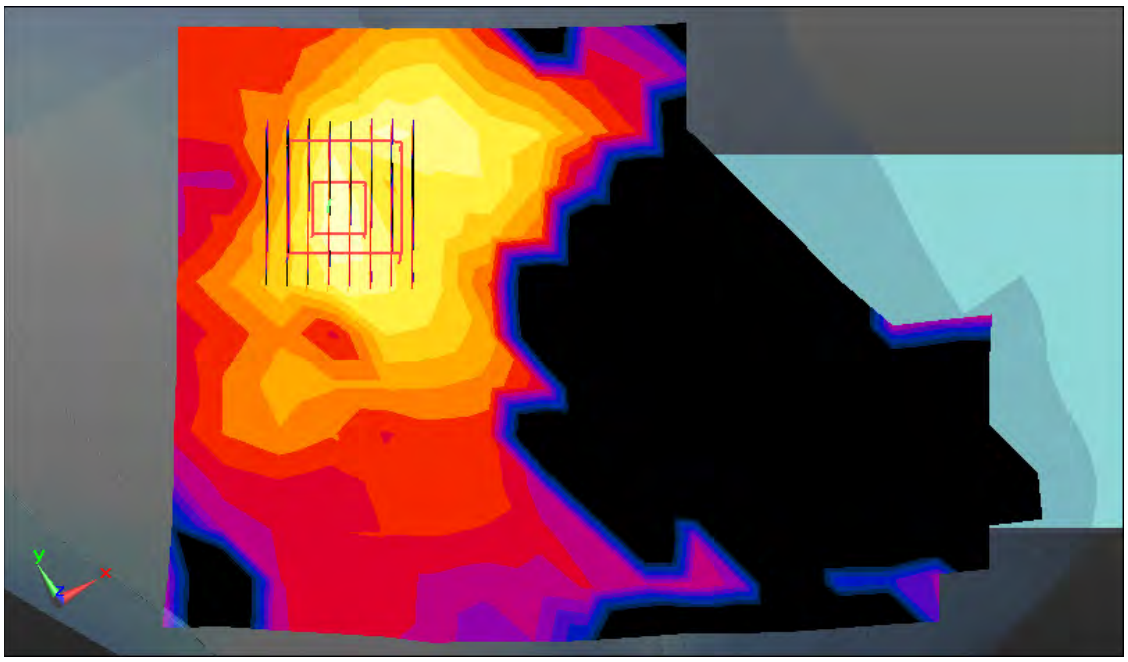
Test Date: 2019-03-05; Ambient Temp: 20.2; Tissue Temp: 20.5

Left Touch, WLAN(802.11a) Ch. 64, Ant Internal, Standard Battery, Ant.1

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 = 0.10 dB
Peak SAR (extrapolated) = 3.82 W/kg
SAR(1 g) = 0.898 W/kg; SAR(10 g) = 0.242 W/kg



0 dB = 2.22 W/kg



Enlarged Plot for A14

DT&C Co., Ltd.

DUT: LM-V500EM; Type: Bar

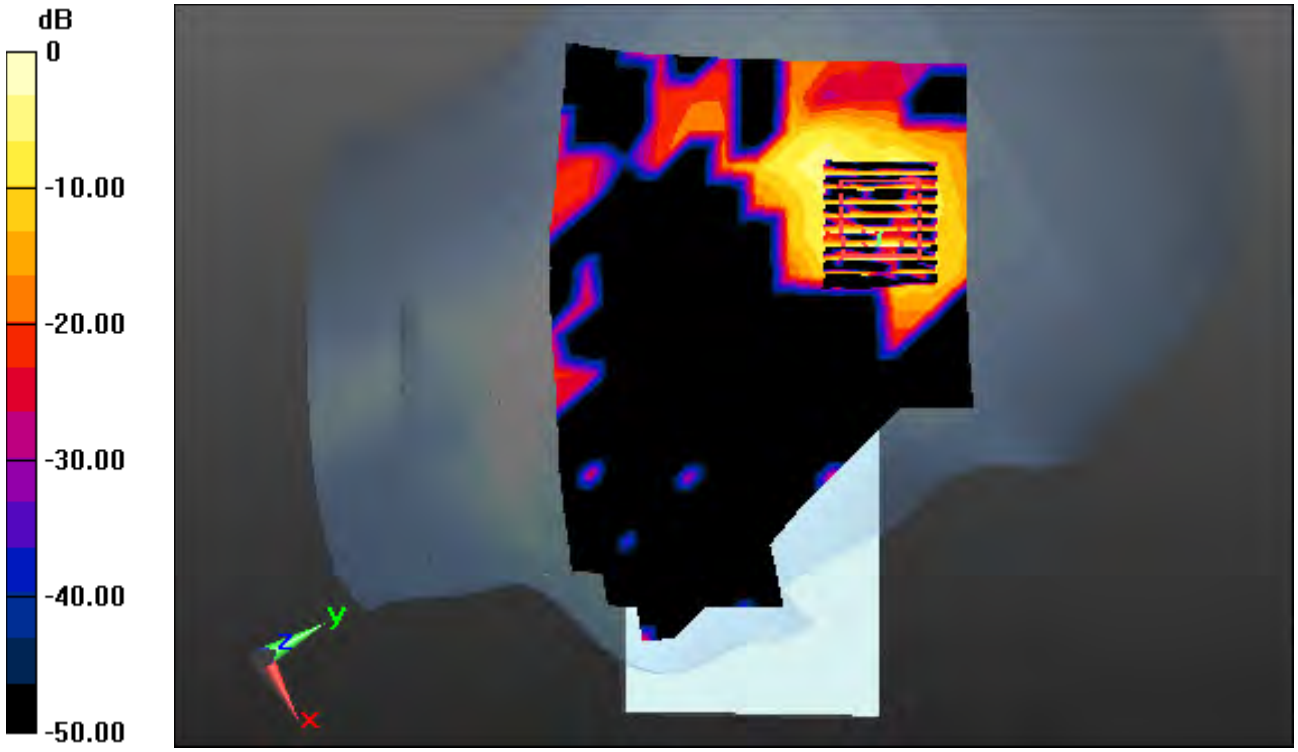
Communication System: UID 0, 00_5GHz W-LAN (0); Frequency: 5320 MHz; Duty Cycle: 1:1
Medium parameters used: f = 5320 MHz; σ = 4.891 S/m; ε_r = 36.013; ρ = 1000 kg/m^3
Phantom section: Left Section

DASY5 Configuration:
Probe: EX3DV4 - SN3930; ConvF(5.1, 5.1, 5.1); Calibrated: 7/26/2018; Electronics: DAE4 Sn1335
Sensor-Surface: 1.4mm (Mechanical Surface Detection)
Phantom: SAM with CRP v5.0; Type: QD000P40CD; Serial: TP:1837
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

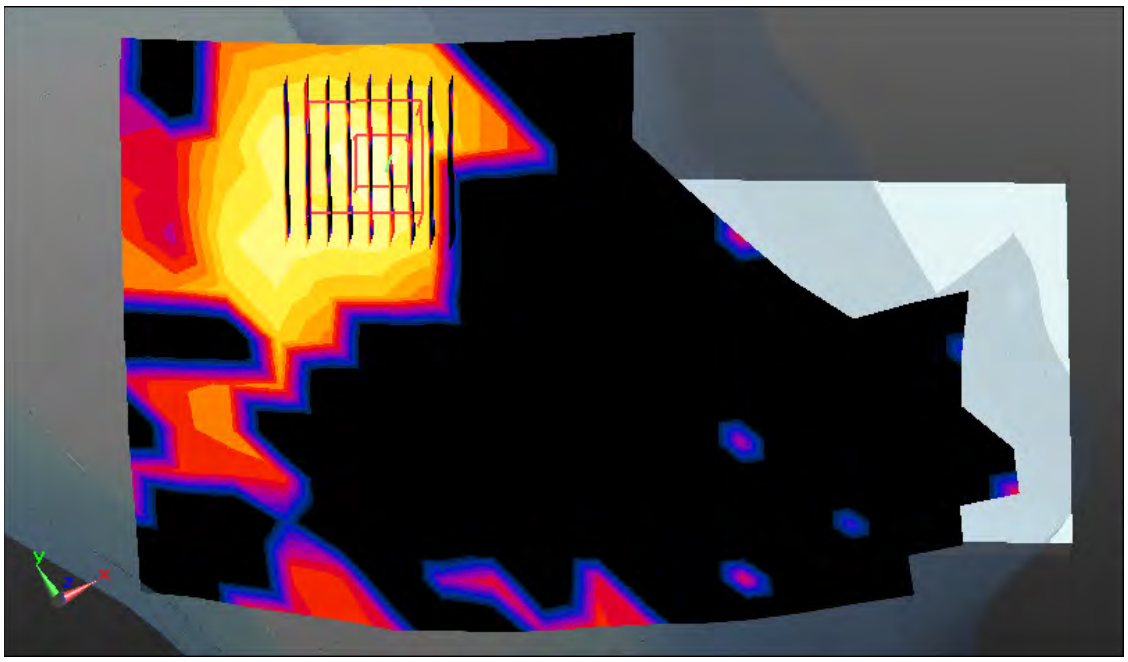
Test Date: 2019-03-05; Ambient Temp: 20.2; Tissue Temp: 20.5

Left Touch, WLAN(802.11a) Ch. 64, 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 = -0.16 dB
Peak SAR (extrapolated) = 0.781 W/kg
SAR(1 g) = 0.179 W/kg; SAR(10 g) = 0.049 W/kg



0 dB = 0.497 W/kg



Enlarged Plot for A15

DT&C Co., Ltd.

DUT: LM-V500EM; Type: Bar

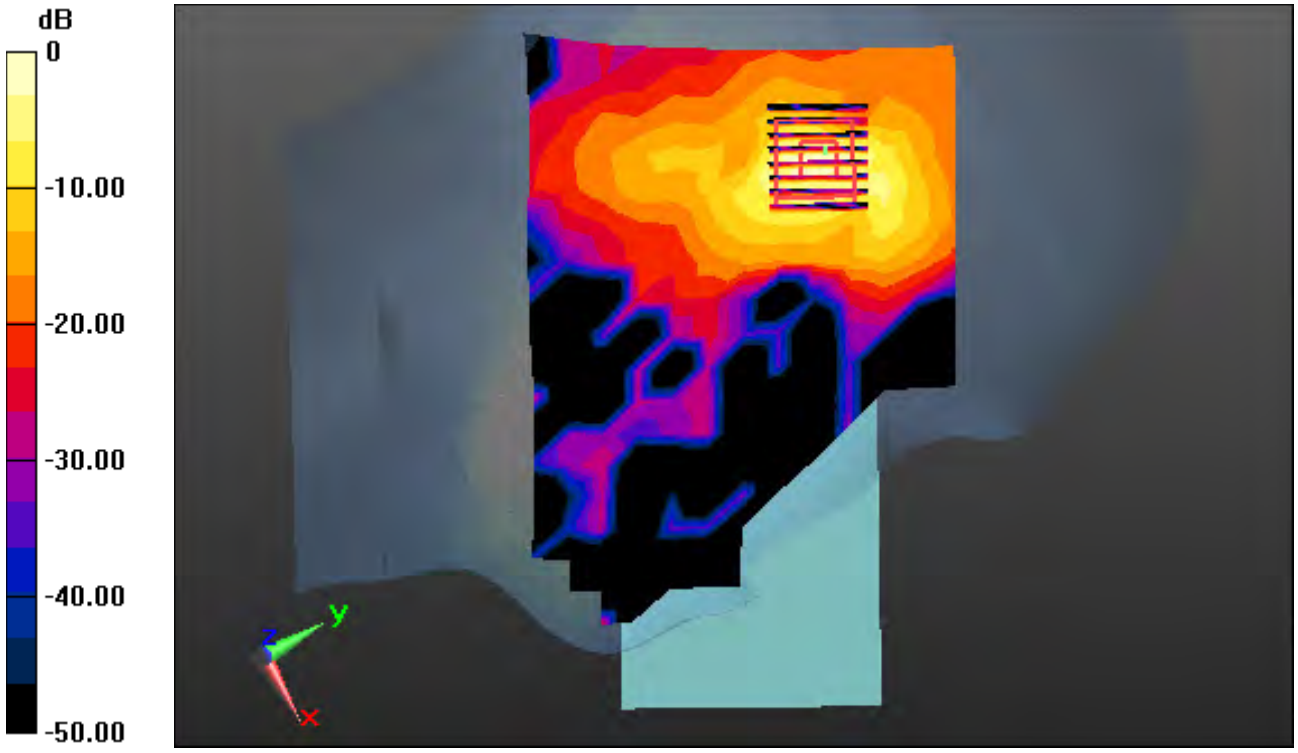
Communication System: UID 0, 00_5GHz W-LAN (0); Frequency: 5320 MHz; Duty Cycle: 1:1
Medium parameters used: f = 5320 MHz; σ = 4.891 S/m; ε_r = 36.013; ρ = 1000 kg/m^3
Phantom section: Left Section

DASY5 Configuration:
Probe: EX3DV4 - SN3930; ConvF(5.1, 5.1, 5.1); Calibrated: 7/26/2018; Electronics: DAE4 Sn1335
Sensor-Surface: 1.4mm (Mechanical Surface Detection)
Phantom: SAM with CRP v5.0; Type: QD000P40CD; Serial: TP:1837
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

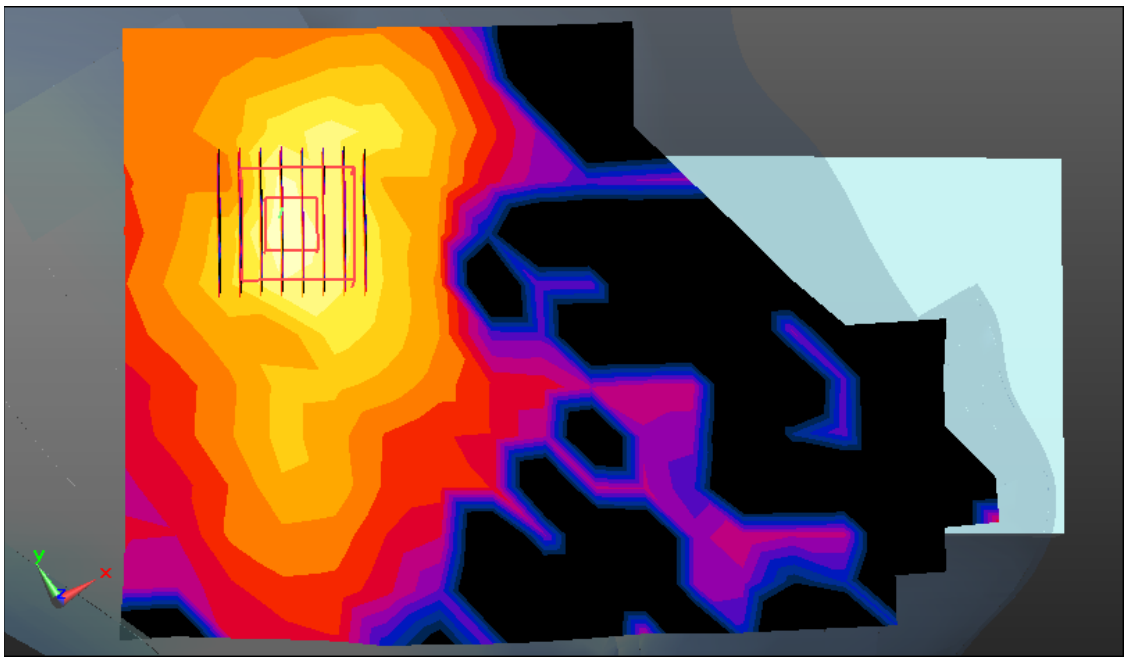
Test Date: 2019-03-05; Ambient Temp: 20.2; Tissue Temp: 20.5

Left Tilt, WLAN(802.11a) Ch. 64, Ant Internal, Standard Battery, MIMO

Area Scan (13x21x1): Measurement grid: dx=10mm, dy=10mm
Zoom Scan (8x8x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm, Graded Ratio: 1.4
Power Drift = 0.17 dB
Peak SAR (extrapolated) = 3.19 W/kg
SAR(1 g) = 0.730 W/kg; SAR(10 g) = 0.194 W/kg



0 dB = 1.78 W/kg



Enlarged Plot for A16

DUT: LM-V500EM; Type: Bar

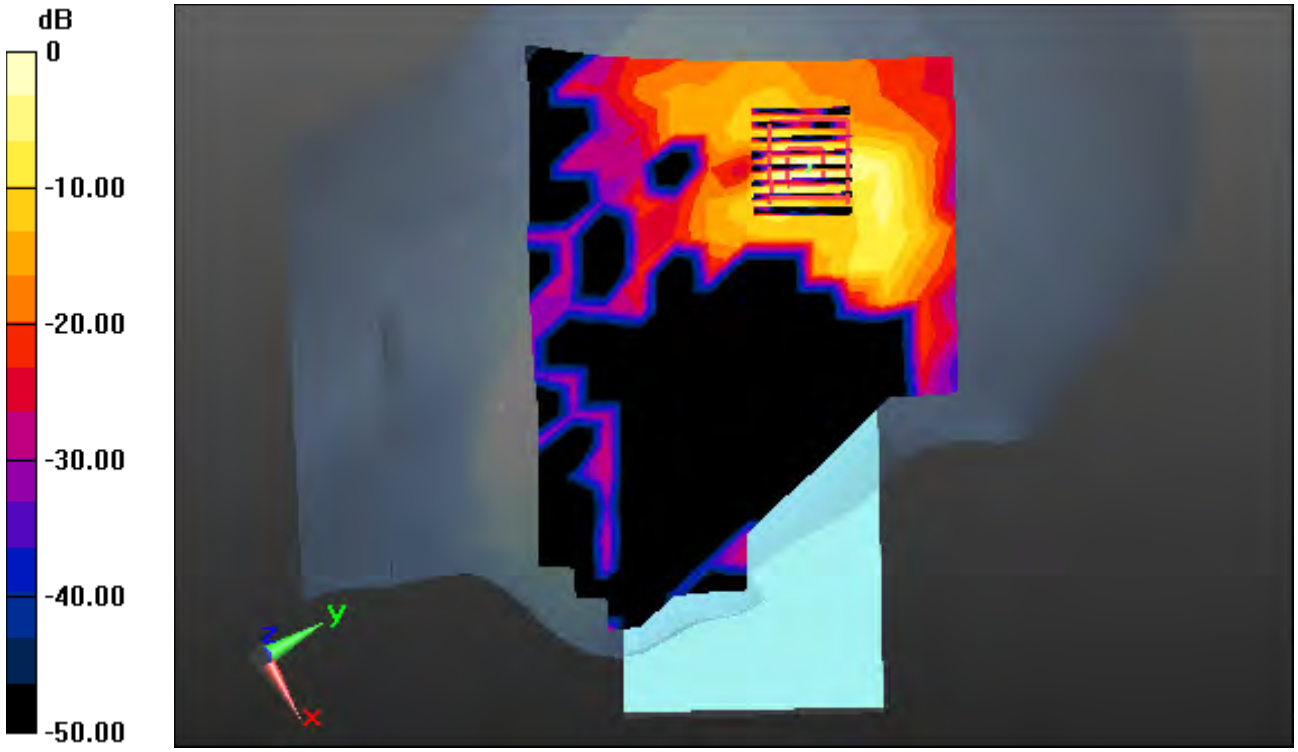
Communication System: UID 0, 00_5GHz W-LAN (0); Frequency: 5720 MHz; Duty Cycle: 1:1
Medium parameters used: f = 5720 MHz; σ = 5.187 S/m; ε_r = 34.898; ρ = 1000 kg/m^3
Phantom section: Left Section

DASY5 Configuration:
Probe: EX3DV4 - SN3930; ConvF(4.69, 4.69, 4.69); Calibrated: 7/26/2018; Electronics: DAE4 Sn1335
Sensor-Surface: 1.4mm (Mechanical Surface Detection)
Phantom: SAM with CRP v5.0; Type: QD000P40CD; Serial: TP:1837
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

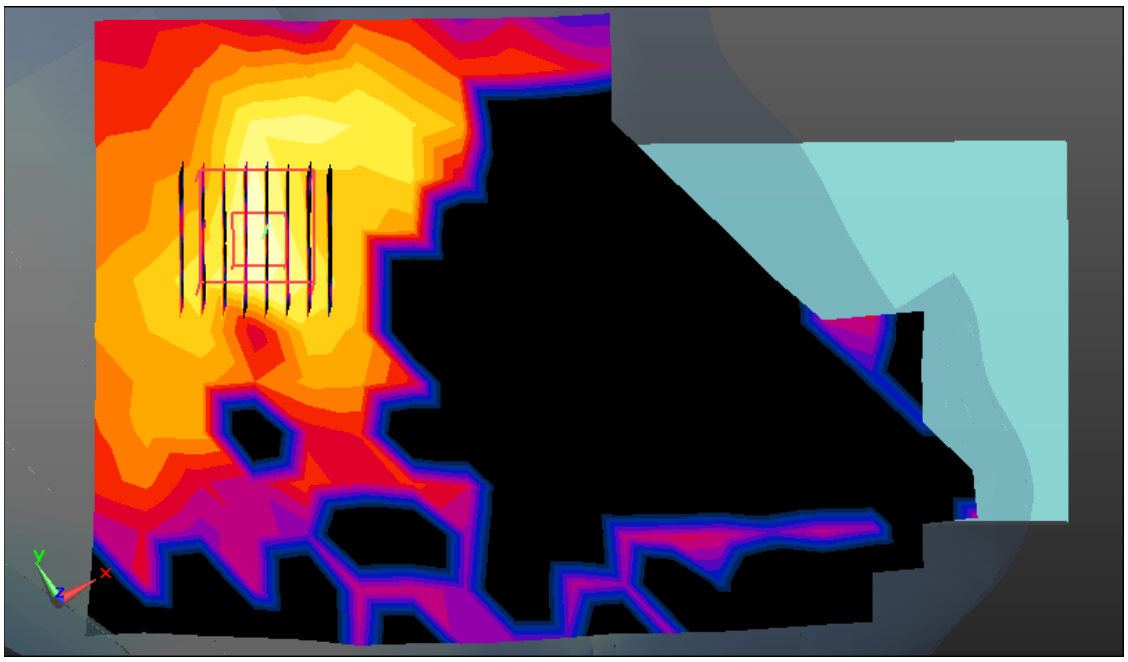
Test Date: 2019-03-06; Ambient Temp: 20.5; Tissue Temp: 21.0

Left Touch, WLAN(802.11a) Ch. 144, 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 = -0.16 dB
Peak SAR (extrapolated) = 2.29 W/kg
SAR(1 g) = 0.510 W/kg; SAR(10 g) = 0.127 W/kg



0 dB = 1.30 W/kg



Enlarged Plot for A17

DT&C Co., Ltd.

DUT: LM-V500EM; Type: Bar

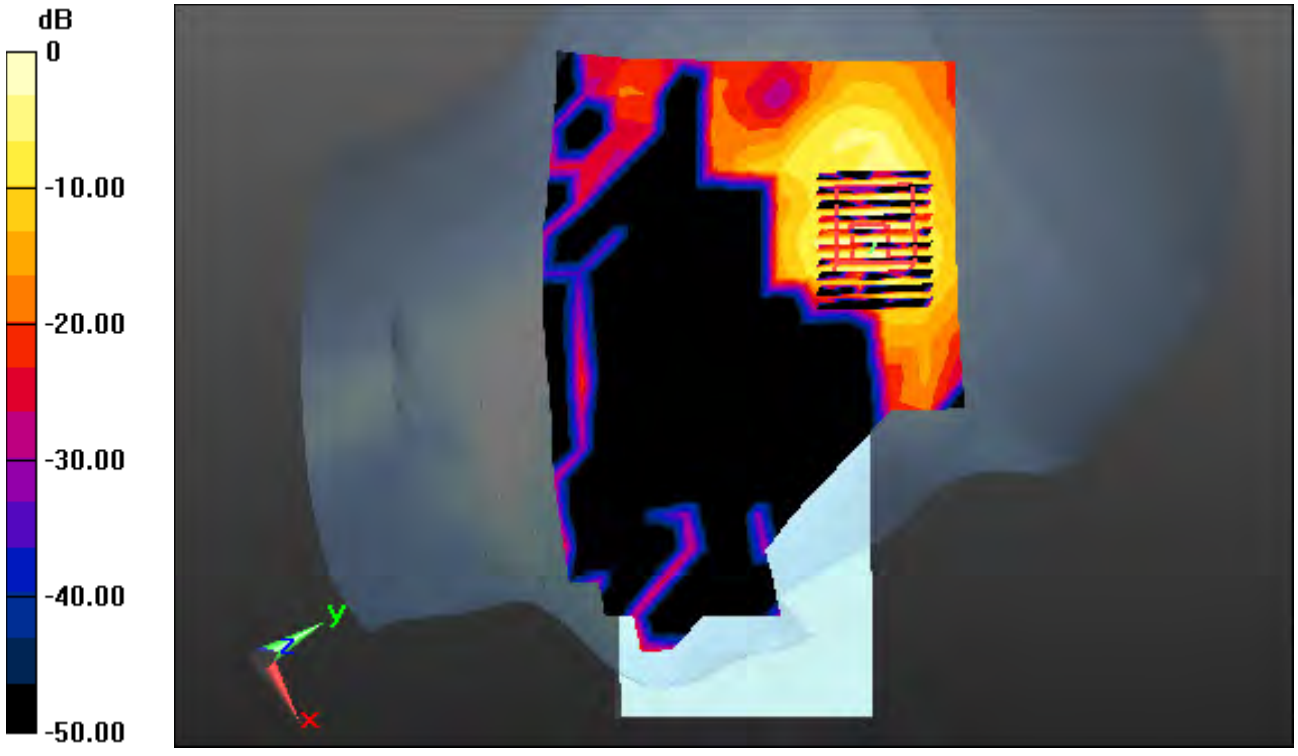
Communication System: UID 0, 00_5GHz W-LAN (0); Frequency: 5600 MHz; Duty Cycle: 1:1
Medium parameters used: f = 5600 MHz; σ = 5.064 S/m; ε_r = 35.102; ρ = 1000 kg/m^3
Phantom section: Left Section

DASY5 Configuration:
Probe: EX3DV4 - SN3930; ConvF(4.85, 4.85, 4.85); Calibrated: 7/26/2018; Electronics: DAE4 Sn1335
Sensor-Surface: 1.4mm (Mechanical Surface Detection)
Phantom: SAM with CRP v5.0; Type: QD000P40CD; Serial: TP:1837
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

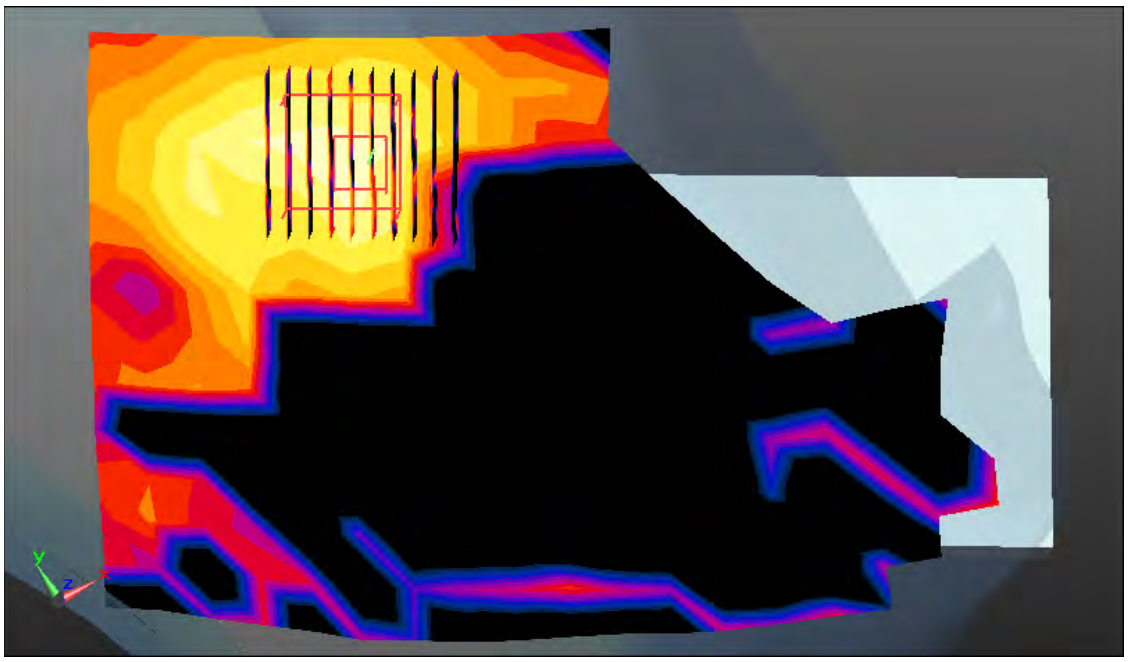
Test Date: 2019-03-06; Ambient Temp: 20.5; Tissue Temp: 21.0

Left Touch, WLAN(802.11a) Ch. 120, Ant Internal, Standard Battery, Ant.2

Area Scan (13x21x1): Measurement grid: dx=10mm, dy=10mm
Zoom Scan (9x10x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm, Graded Ratio: 1.4
Power Drift = -0.07 dB
Peak SAR (extrapolated) = 0.940 W/kg
SAR(1 g) = 0.205 W/kg; SAR(10 g) = 0.059 W/kg



0 dB = 0.604 W/kg



Enlarged Plot for A18

DT&C Co., Ltd.

DUT: LM-V500EM; Type: Bar

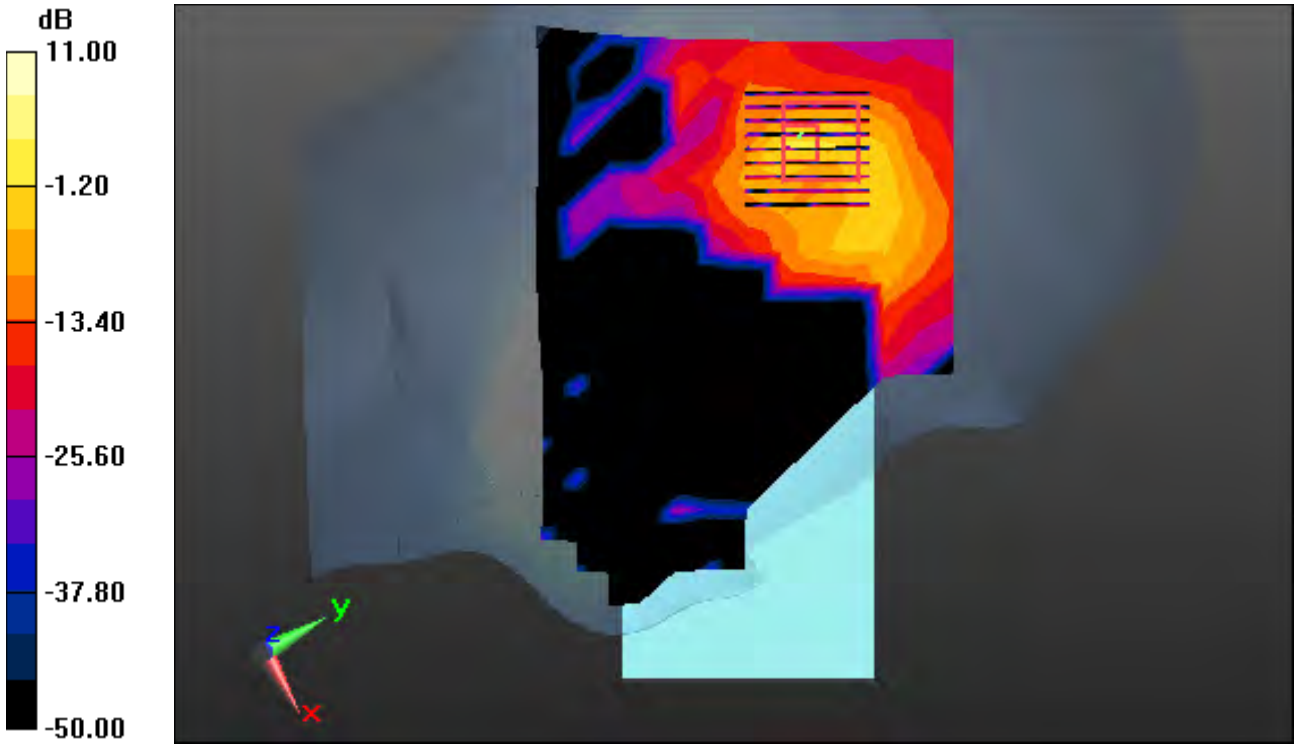
Communication System: UID 0, 00_5GHz W-LAN (0); Frequency: 5600 MHz; Duty Cycle: 1:1
Medium parameters used: f = 5600 MHz; σ = 5.064 S/m; ε_r = 35.102; ρ = 1000 kg/m^3
Phantom section: Left Section

DASY5 Configuration:
Probe: EX3DV4 - SN3930; ConvF(4.85, 4.85, 4.85); Calibrated: 7/26/2018; Electronics: DAE4 Sn1335
Sensor-Surface: 1.4mm (Mechanical Surface Detection)
Phantom: SAM with CRP v5.0; Type: QD000P40CD; Serial: TP:1837
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

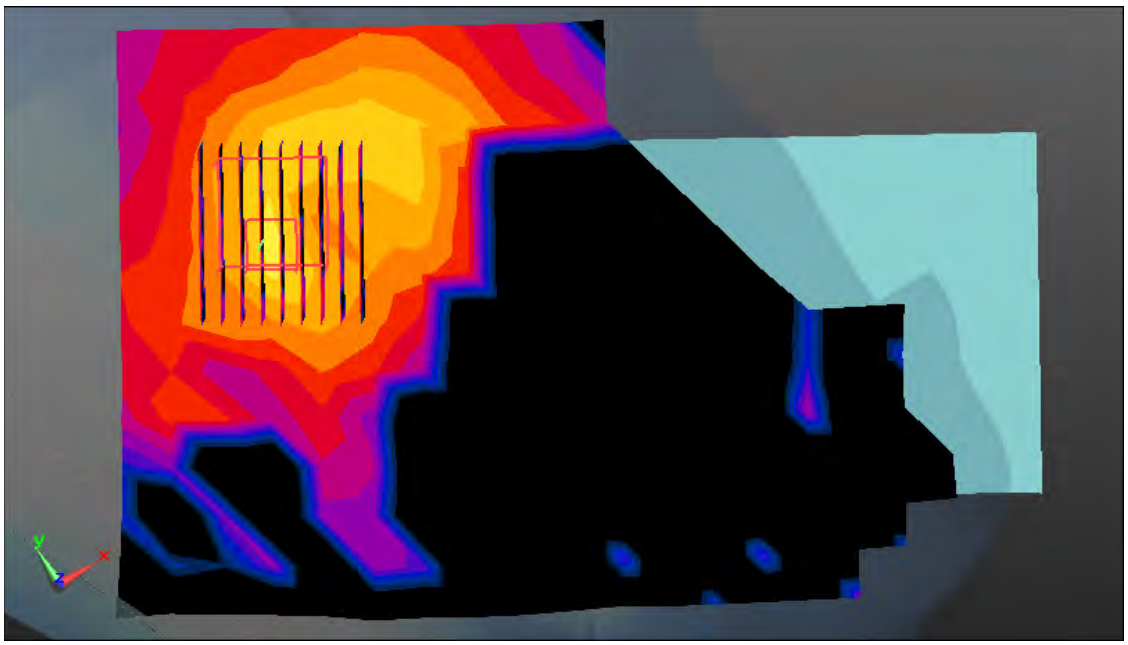
Test Date: 2019-03-06; Ambient Temp: 20.5; Tissue Temp: 21.0

Left Touch, WLAN(802.11a) Ch. 120, Ant Internal, Standard Battery, MIMO

Area Scan (13x21x1): Measurement grid: dx=10mm, dy=10mm
Zoom Scan (10x9x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm, Graded Ratio: 1.4
Power Drift = 0.17 dB
Peak SAR (extrapolated) = 1.96 W/kg
SAR(1 g) = 0.411 W/kg; SAR(10 g) = 0.107 W/kg



0 dB = 1.05 W/kg



Enlarged Plot for A19

DT&C Co., Ltd.

DUT: LM-V500EM; Type: Bar

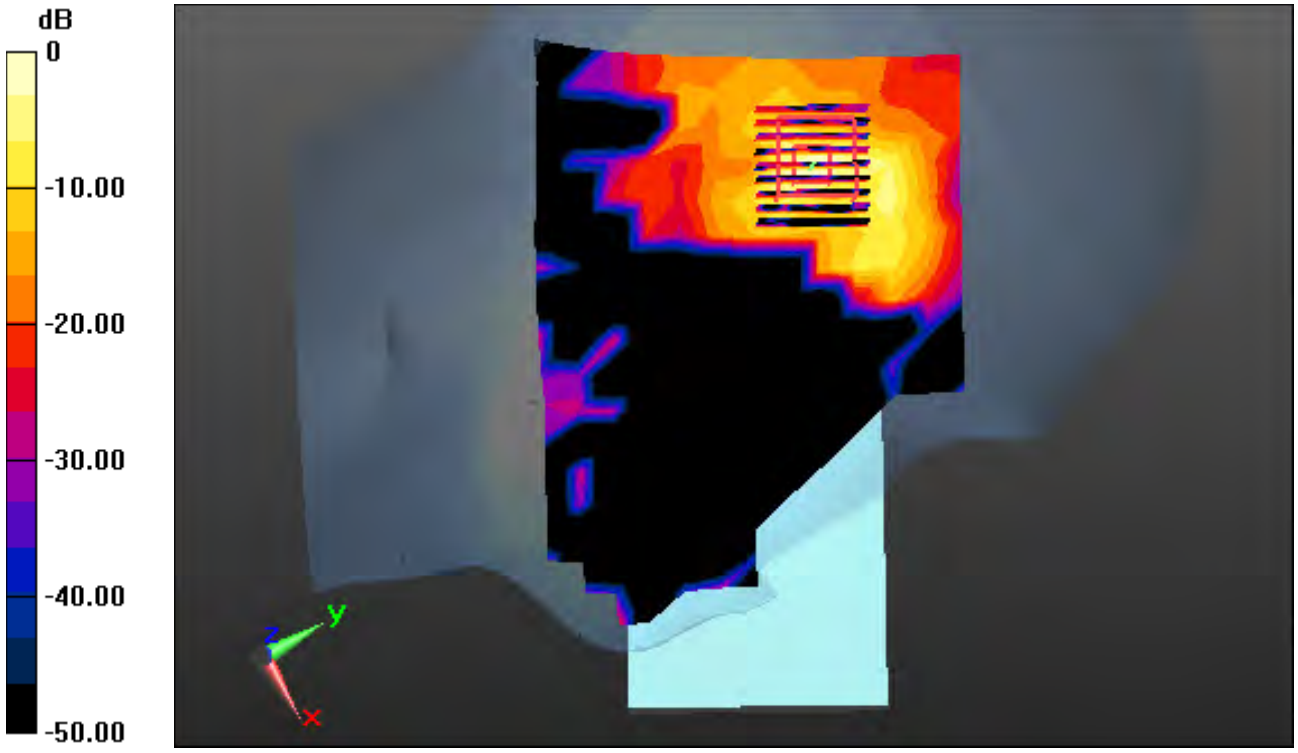
Communication System: UID 0, 00_5GHz W-LAN (0); Frequency: 5745 MHz; Duty Cycle: 1:1
Medium parameters used: f = 5745 MHz; σ = 5.217 S/m; ε_r = 34.776; ρ = 1000 kg/m^3
Phantom section: Left Section

DASY5 Configuration:
Probe: EX3DV4 - SN3930; ConvF(4.69, 4.69, 4.69); Calibrated: 7/26/2018; Electronics: DAE4 Sn1335
Sensor-Surface: 1.4mm (Mechanical Surface Detection)
Phantom: SAM with CRP v5.0; Type: QD000P40CD; Serial: TP:1837
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

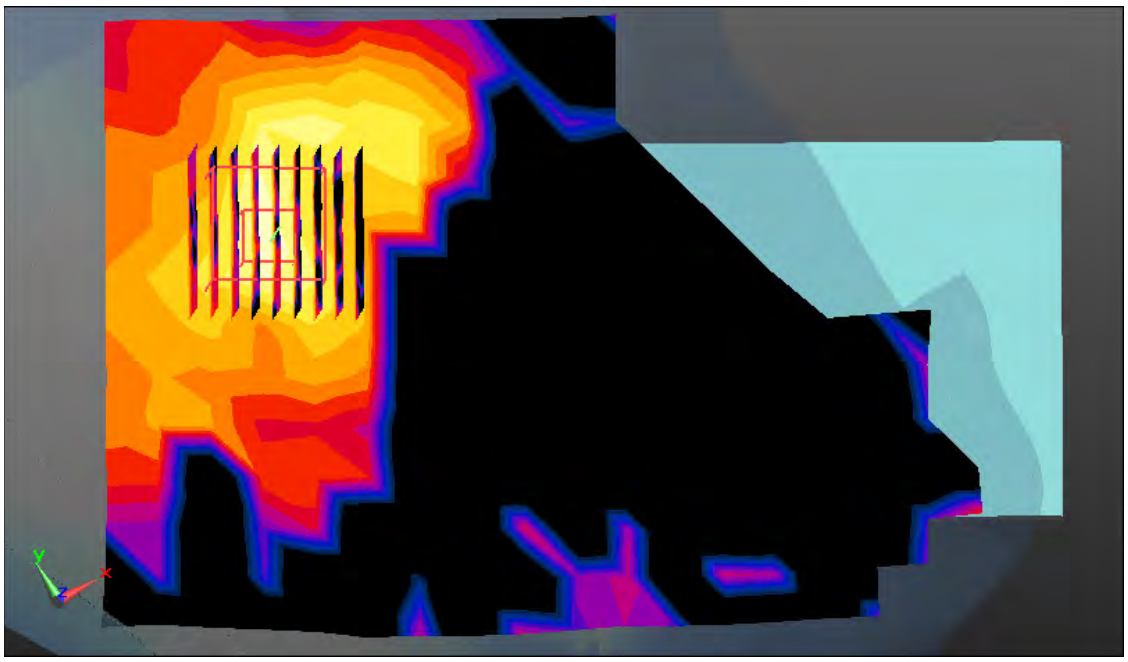
Test Date: 2019-03-07; Ambient Temp: 20.2; Tissue Temp: 20.6

Left Touch, WLAN(802.11a) Ch. 149, 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 = -0.02 dB
Peak SAR (extrapolated) = 2.36 W/kg
SAR(1 g) = 0.534 W/kg; SAR(10 g) = 0.134 W/kg



0 dB = 1.44 W/kg



Enlarged Plot for A20

DT&C Co., Ltd.

DUT: LM-V500EM; Type: Bar

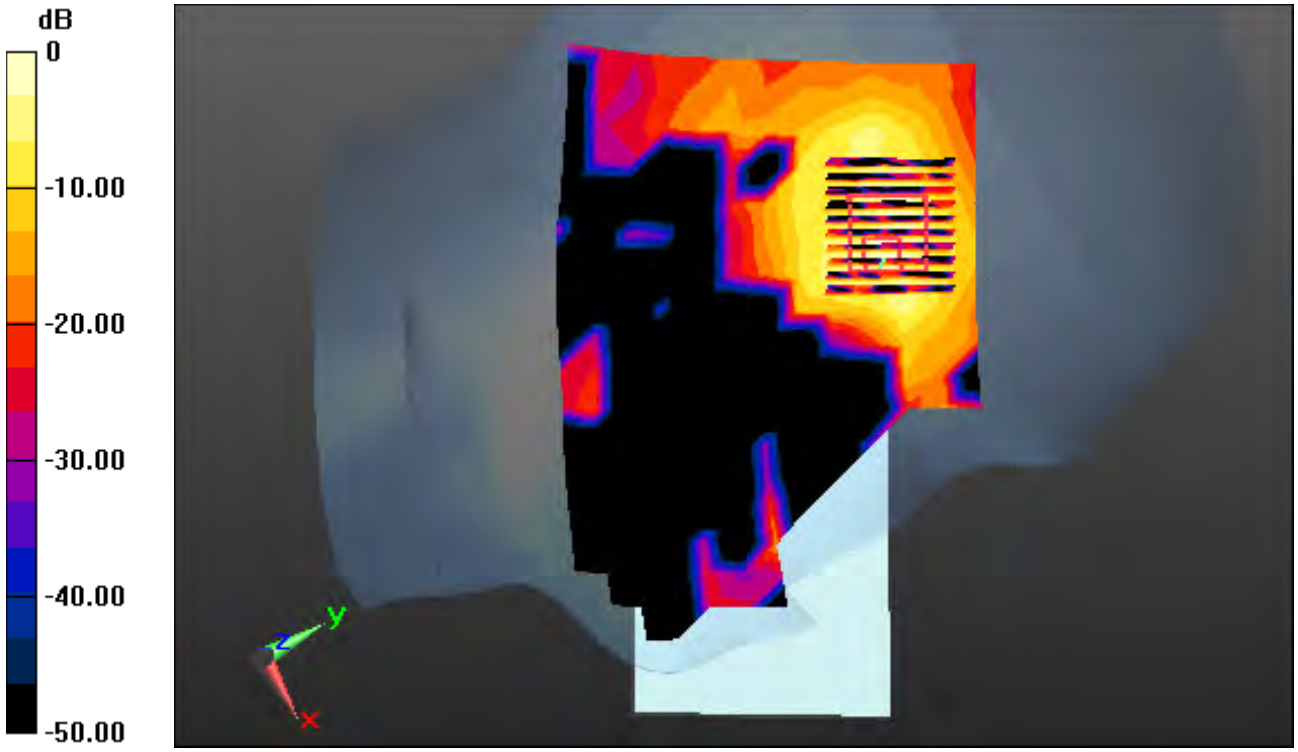
Communication System: UID 0, 00_5GHz W-LAN (0); Frequency: 5785 MHz; Duty Cycle: 1:1
Medium parameters used: f = 5785 MHz; σ = 5.256 S/m; ε_r = 34.714; ρ = 1000 kg/m^3
Phantom section: Left Section

DASY5 Configuration:
Probe: EX3DV4 - SN3930; ConvF(4.69, 4.69, 4.69); Calibrated: 7/26/2018; Electronics: DAE4 Sn1335
Sensor-Surface: 1.4mm (Mechanical Surface Detection)
Phantom: SAM with CRP v5.0; Type: QD000P40CD; Serial: TP:1837
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

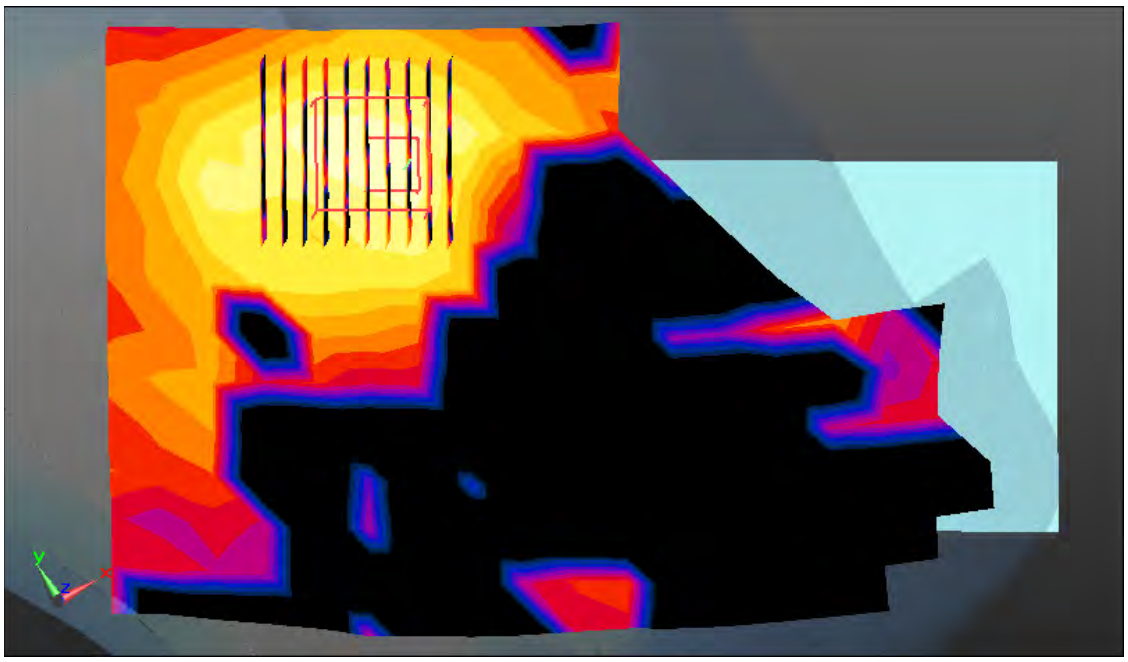
Test Date: 2019-03-07; Ambient Temp: 20.2; Tissue Temp: 20.6

Left Touch, WLAN(802.11a) Ch. 157, Ant Internal, Standard Battery, Ant.2

Area Scan (13x21x1): Measurement grid: dx=10mm, dy=10mm
Zoom Scan (10x10x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm, Graded Ratio: 1.4
Power Drift = 0.13 dB
Peak SAR (extrapolated) = 1.10 W/kg
SAR(1 g) = 0.246 W/kg; SAR(10 g) = 0.084 W/kg



0 dB = 0.678 W/kg



Enlarged Plot for A21

DT&C Co., Ltd.

DUT: LM-V500EM; Type: Bar

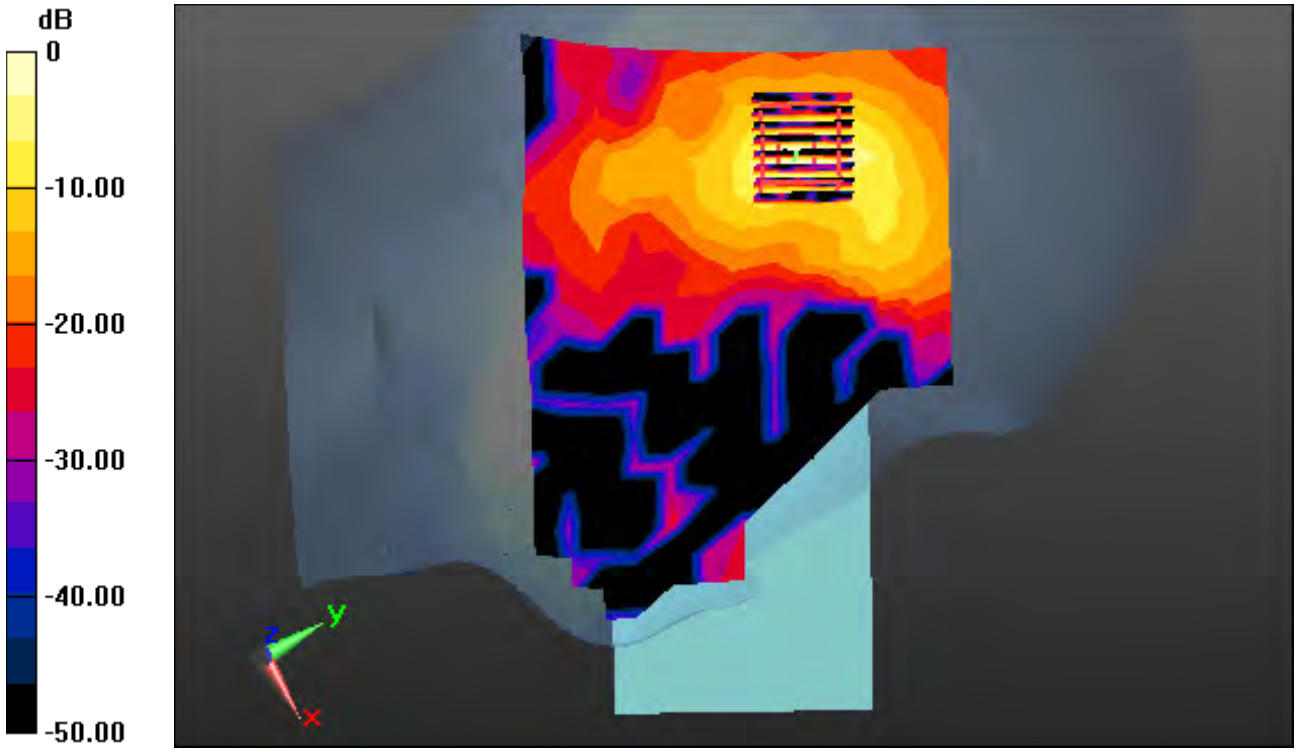
Communication System: UID 0, 00_5GHz W-LAN (0); Frequency: 5745 MHz; Duty Cycle: 1:1
Medium parameters used: f = 5745 MHz; σ = 5.217 S/m; ε_r = 34.776; ρ = 1000 kg/m^3
Phantom section: Left Section

DASY5 Configuration:
Probe: EX3DV4 - SN3930; ConvF(4.69, 4.69, 4.69); Calibrated: 7/26/2018; Electronics: DAE4 Sn1335
Sensor-Surface: 1.4mm (Mechanical Surface Detection)
Phantom: SAM with CRP v5.0; Type: QD000P40CD; Serial: TP:1837
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

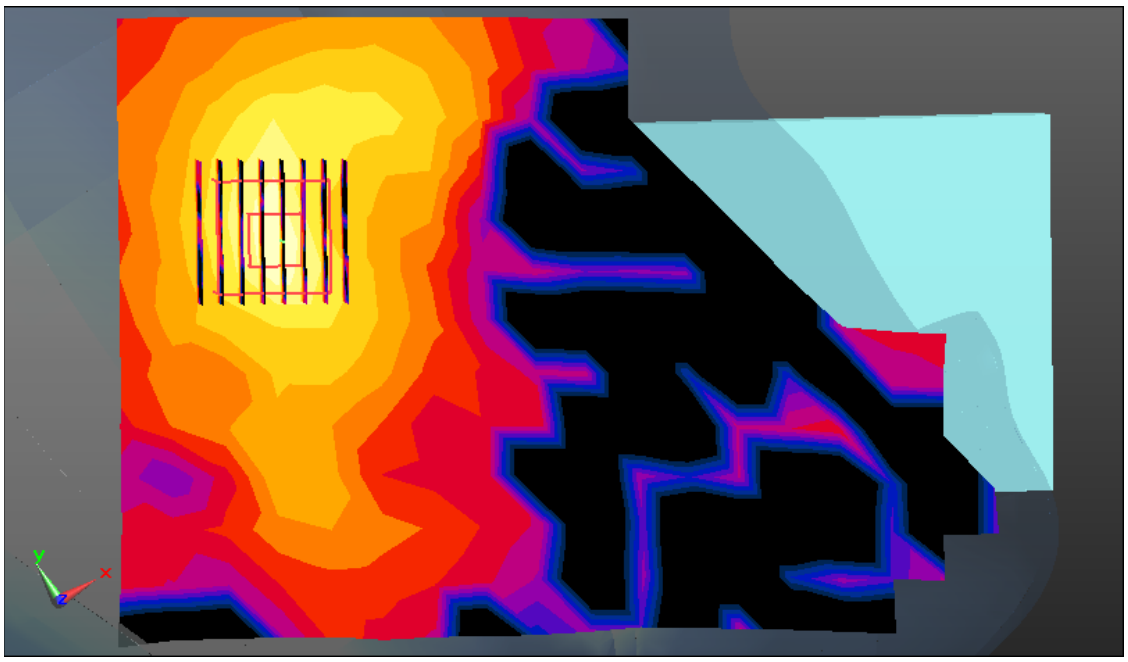
Test Date: 2019-03-07; Ambient Temp: 20.2; Tissue Temp: 20.6

Left Tilt, WLAN(802.11a) Ch. 149, Ant Internal, Standard Battery, MIMO

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 = -0.03 dB
Peak SAR (extrapolated) = 2.24 W/kg
SAR(1 g) = 0.461 W/kg; SAR(10 g) = 0.119 W/kg



0 dB = 1.27 W/kg



Enlarged Plot for A22

DT&C Co., Ltd.

DUT: LM-V500EM; Type: Bar

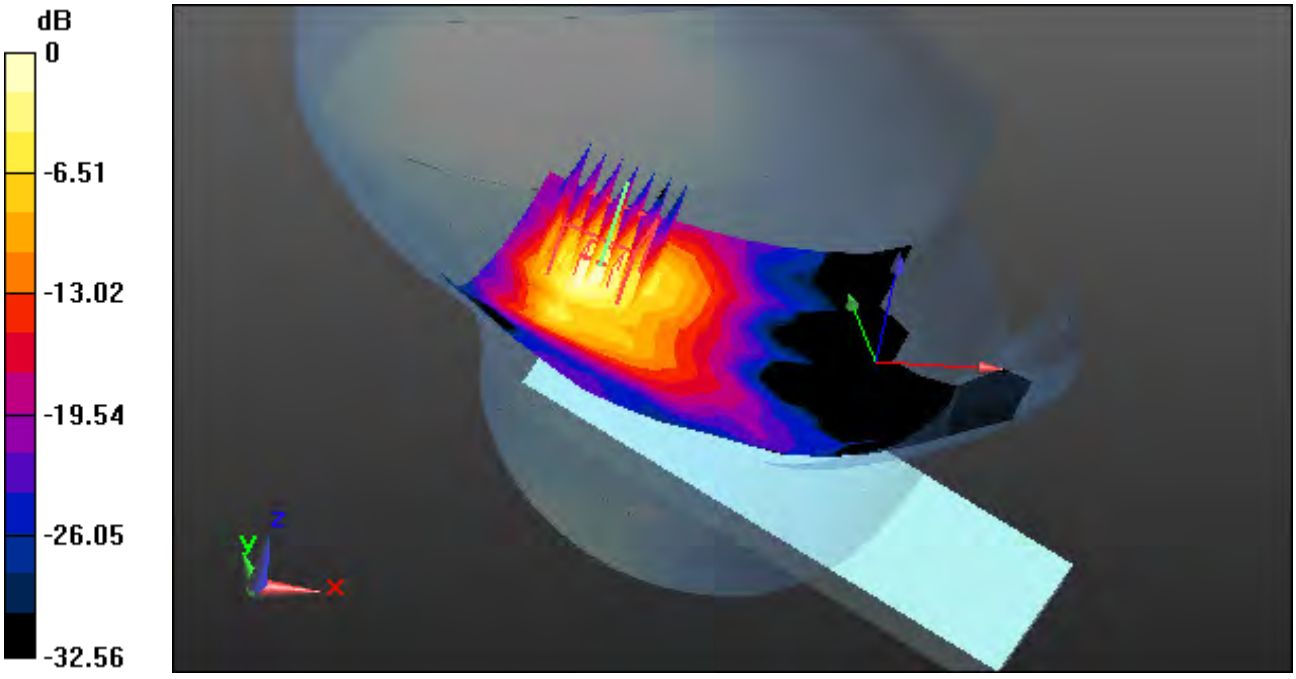
Communication System: UID 0, Bluetooth (0); Frequency: 2441 MHz; Duty Cycle: 1:1.3
Medium parameters used: f = 2441 MHz; σ = 1.804 S/m; ε_r = 39.956; ρ = 1000 kg/m^3
Phantom section: Left Section

DASY5 Configuration:
Probe: ES3DV3 - SN3327; ConvF(4.56, 4.56, 4.56); Calibrated: 8/28/2018; Electronics: DAE3 Sn520
Sensor-Surface: 3mm (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)

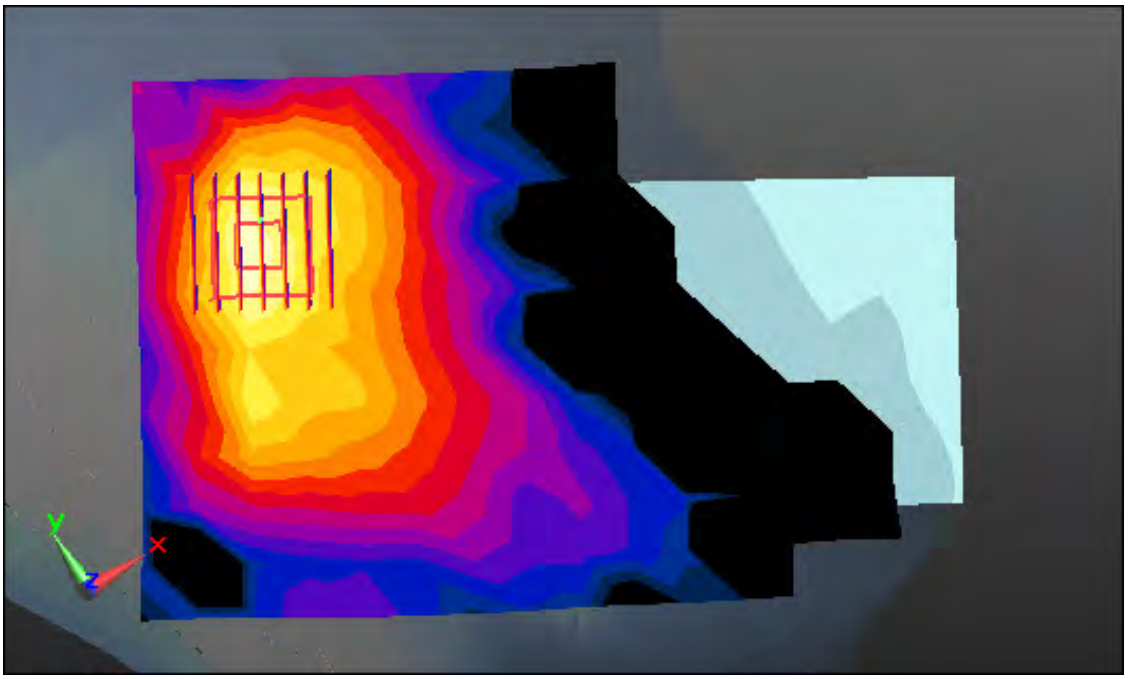
Test Date: 2019-03-12; Ambient Temp: 21.2; Tissue Temp: 21.5

Left Tilt, 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 = -0.10 dB
Peak SAR (extrapolated) = 0.298 W/kg
SAR(1 g) = 0.106 W/kg; SAR(10 g) = 0.042 W/kg



0 dB = 0.149 W/kg



Enlarged Plot for A23

DT&C Co., Ltd.

DUT: LM-V500EM; Type: Bar

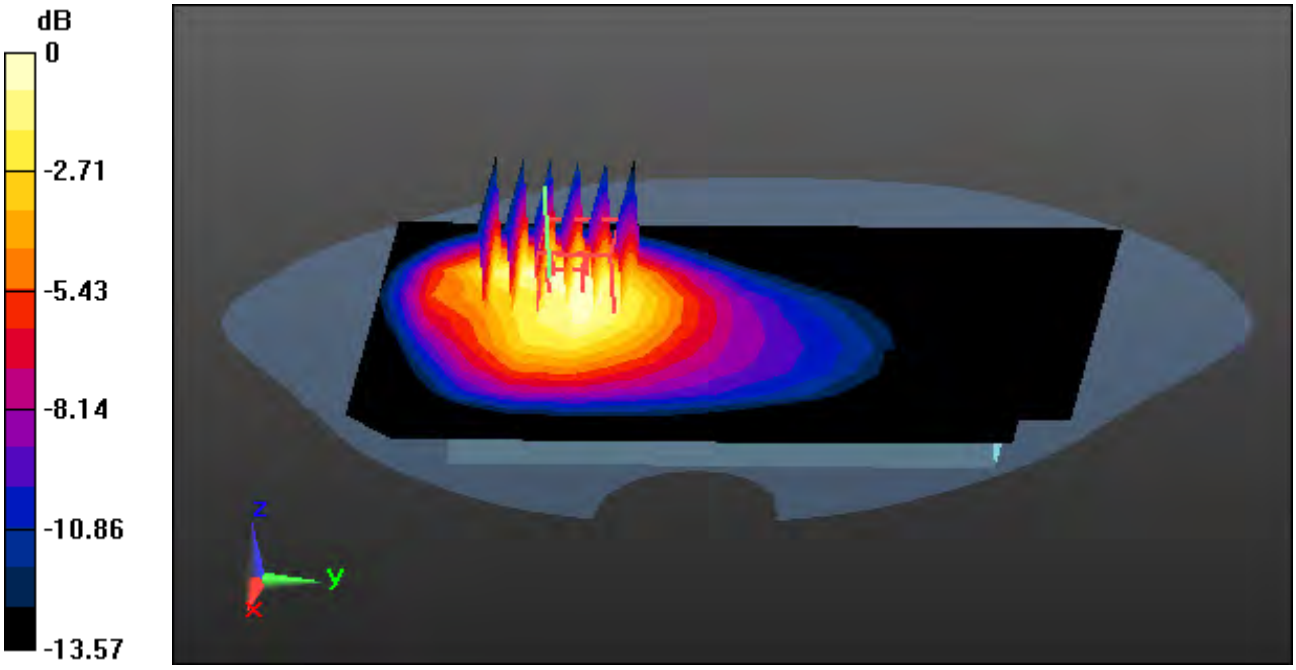
Communication System: UID 0, GSM 850 (0); Frequency: 836.6 MHz; Duty Cycle: 1:8.3
Medium parameters used: f = 836.6 MHz; σ = 0.992 S/m; ε_r = 54.626; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:
Probe: ES3DV3 - SN3327; ConvF(6.24, 6.24, 6.24); Calibrated: 8/28/2018; Electronics: DAE3 Sn520
Sensor-Surface: 3mm (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)

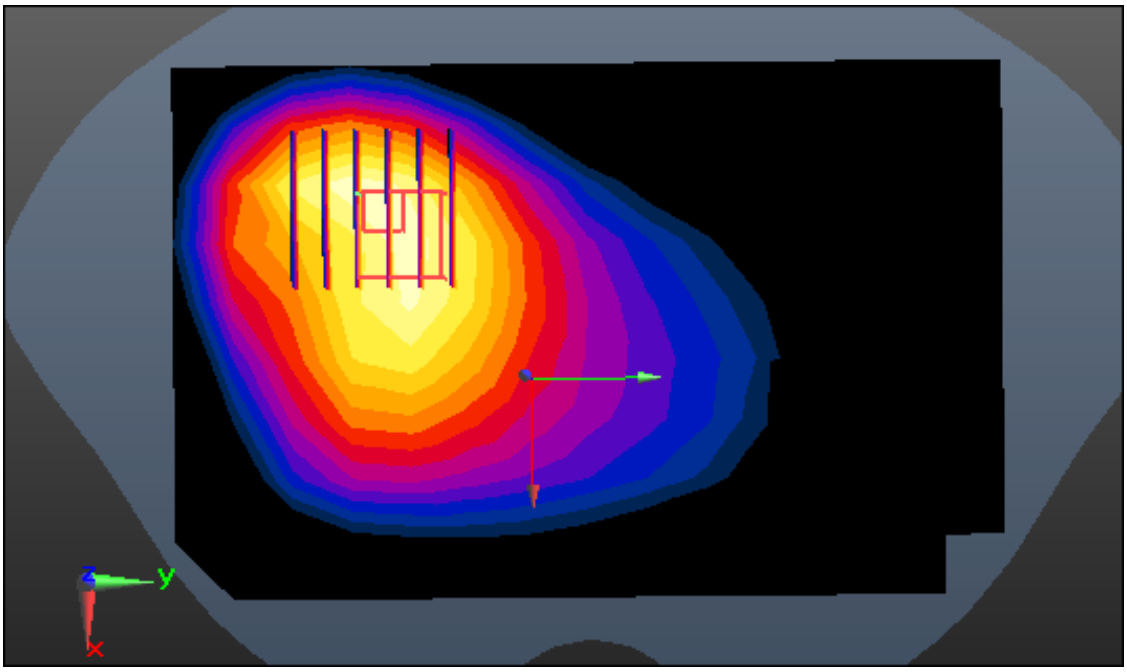
Test Date: 2019-03-01; Ambient Temp: 21.4; Tissue Temp: 21.3

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

Area Scan (10x15x1): Measurement grid: dx=15mm, dy=15mm
Zoom Scan (6x6x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Power Drift = -0.02 dB
Peak SAR (extrapolated) = 0.992 W/kg
SAR(1 g) = 0.599 W/kg; SAR(10 g) = 0.370 W/kg



0 dB = 0.718 W/kg



Enlarged Plot for A24

DT&C Co., Ltd.

DUT: LM-V500EM; Type: Bar

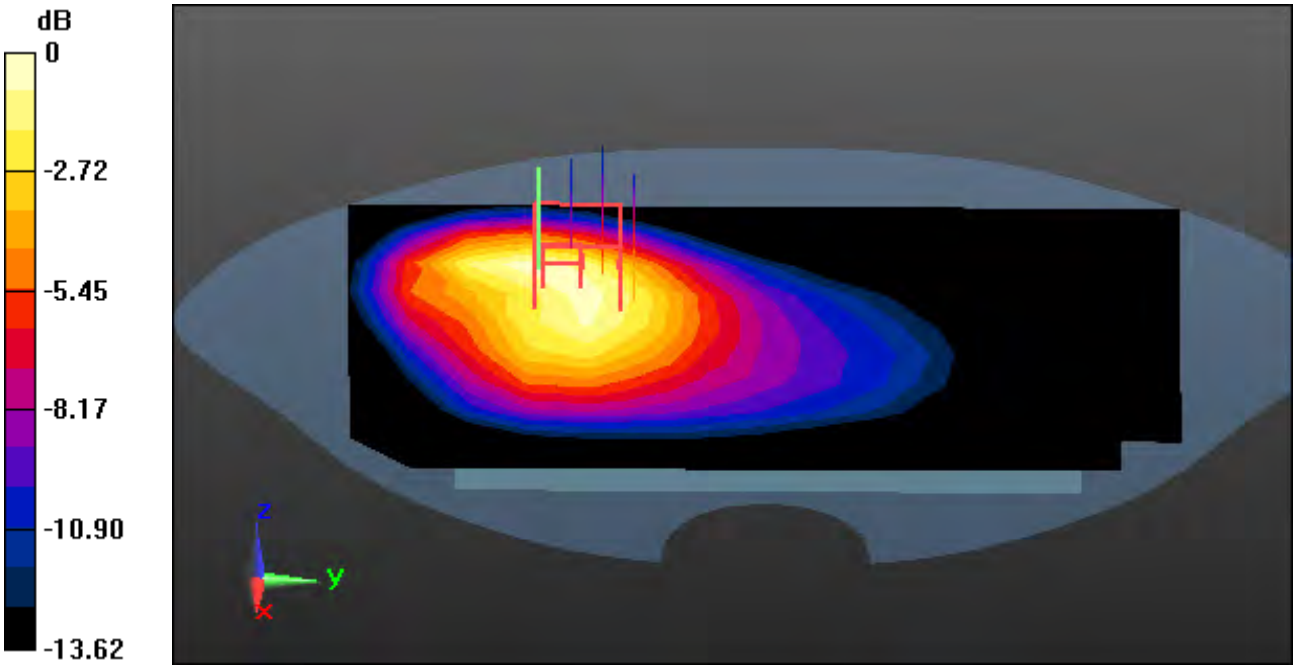
Communication System: UID 0, GSM 850_2 Tx (0); Frequency: 836.6 MHz; Duty Cycle: 1:4.15
Medium parameters used: f = 836.6 MHz; σ = 0.992 S/m; ε_r = 54.626; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:
Probe: ES3DV3 - SN3327; ConvF(6.24, 6.24, 6.24); Calibrated: 8/28/2018; Electronics: DAE3 Sn520
Sensor-Surface: 3mm (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)

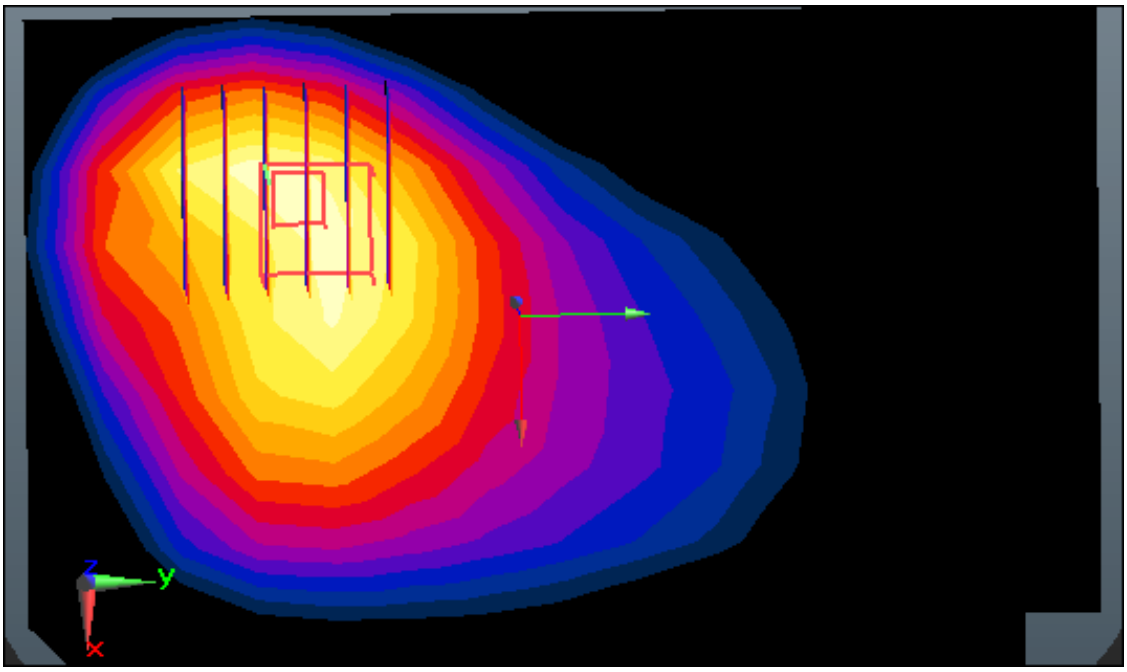
Test Date: 2019-03-01; Ambient Temp: 21.4; Tissue Temp: 21.3

1cm space from Body, Rear, GSM850 GPRS 2Tx Ch. 190, Ant Internal

Area Scan (10x15x1): Measurement grid: dx=15mm, dy=15mm
Zoom Scan (6x6x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
ower Drift = -0.09 dB
Peak SAR (extrapolated) = 1.09 W/kg
SAR(1 g) = 0.647 W/kg; SAR(10 g) = 0.398 W/kg



0 dB = 0.777 W/kg



Enlarged Plot for A25

DT&C Co., Ltd.

DUT: LM-V500EM; Type: Bar

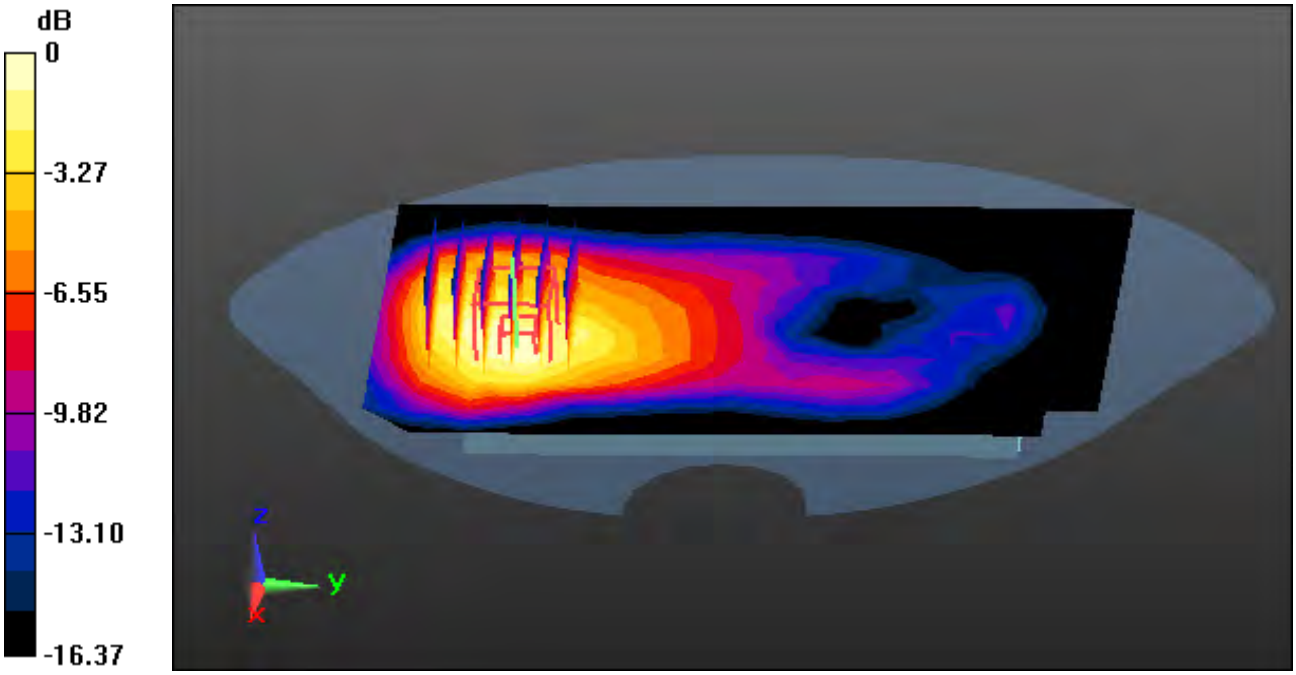
Communication System: UID 0, PCS 1900 (0); Frequency: 1880 MHz; Duty Cycle: 1:8.3
Medium parameters used: f = 1880 MHz; σ = 1.507 S/m; ε_r = 54.564; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:
Probe: ES3DV3 - SN3327; ConvF(4.91, 4.91, 4.91); Calibrated: 8/28/2018; Electronics: DAE3 Sn520
Sensor-Surface: 3mm (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)

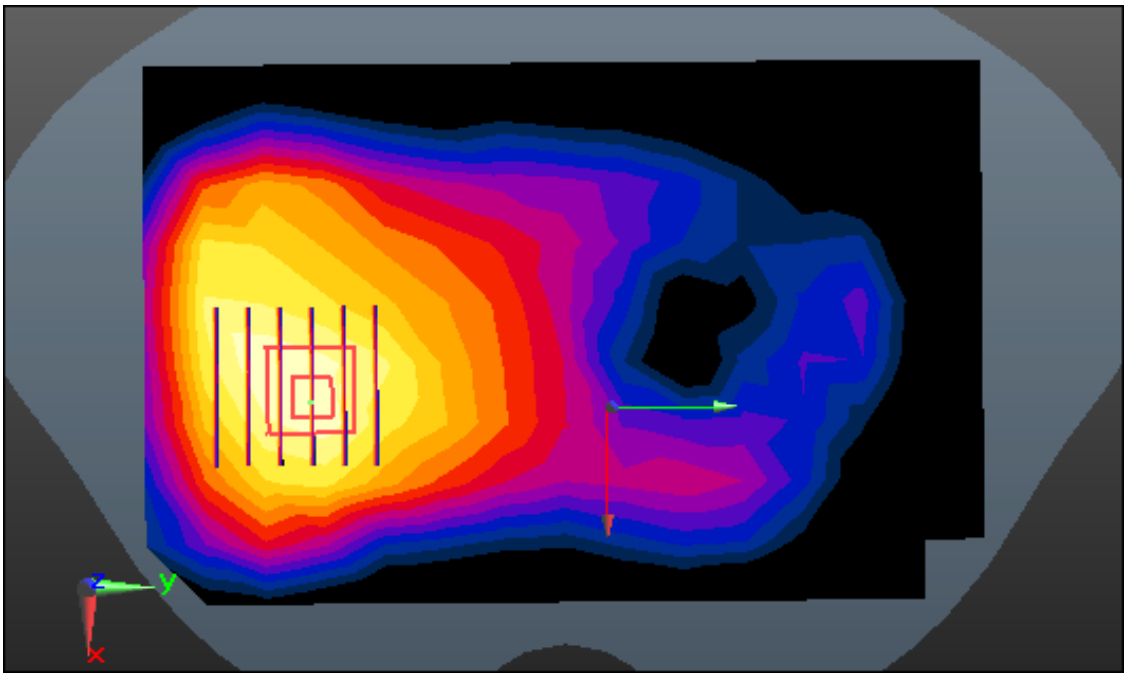
Test Date: 2019-03-02; Ambient Temp: 21.2; Tissue Temp: 21.5

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

Area Scan (10x15x1): Measurement grid: dx=15mm, dy=15mm
Zoom Scan (6x6x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Power Drift = -0.03 dB
Peak SAR (extrapolated) = 0.403 W/kg
SAR(1 g) = 0.251 W/kg; SAR(10 g) = 0.150 W/kg



0 dB = 0.304 W/kg



Enlarged Plot for A26

DT&C Co., Ltd.

DUT: LM-V500EM; Type: Bar

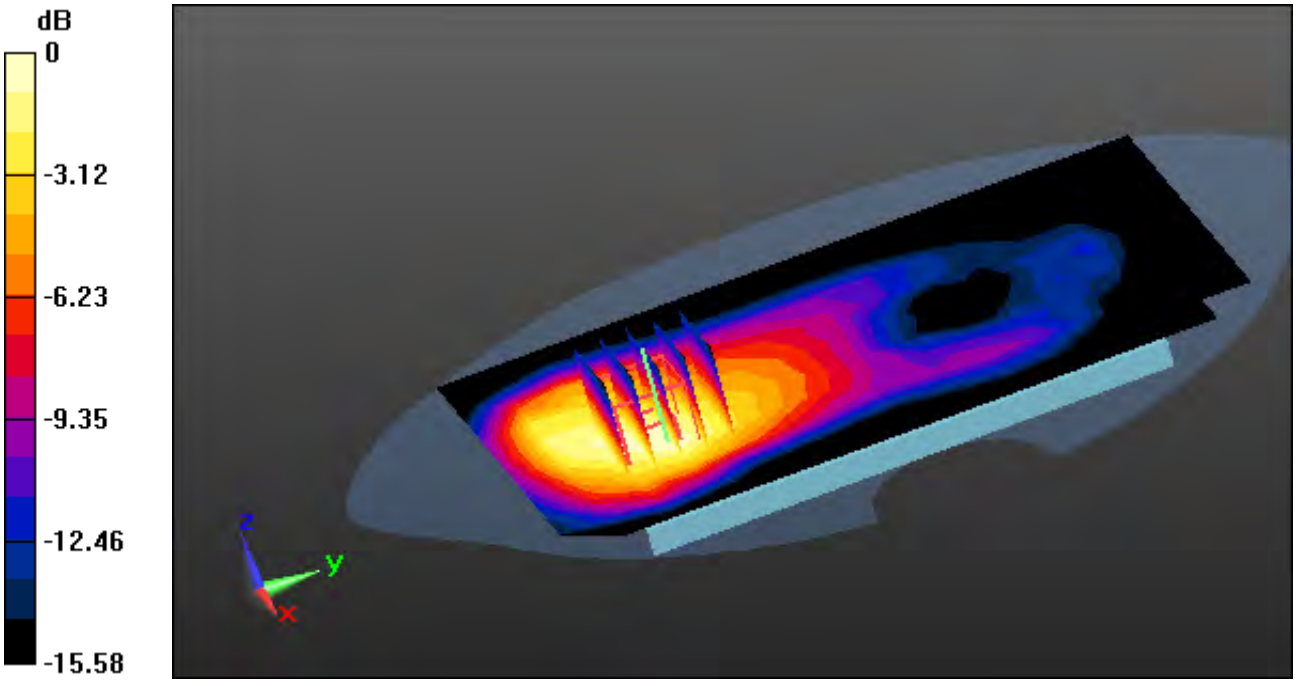
Communication System: UID 0, PCS1900_3 Tx (0); Frequency: 1880 MHz; Duty Cycle: 1:2.77
Medium parameters used: f = 1880 MHz; σ = 1.507 S/m; ε_r = 54.564; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:
Probe: ES3DV3 - SN3327; ConvF(4.91, 4.91, 4.91); Calibrated: 8/28/2018; Electronics: DAE3 Sn520
Sensor-Surface: 3mm (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)

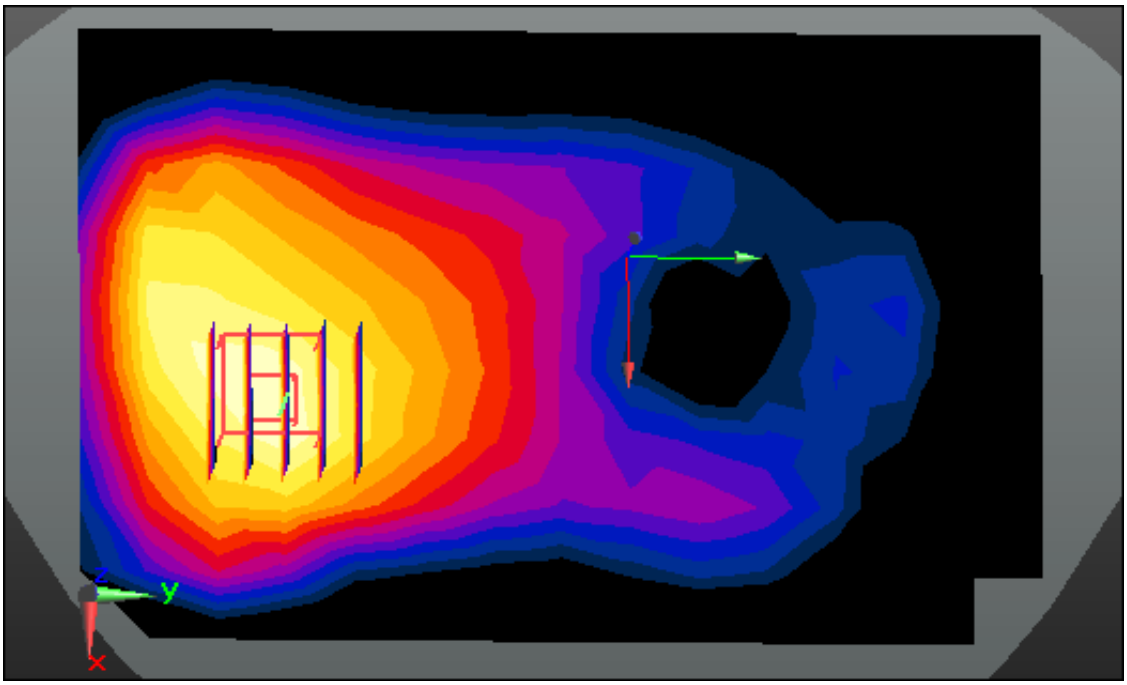
Test Date: 2019-03-02; Ambient Temp: 21.2; Tissue Temp: 21.5

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

Area Scan (10x15x1): Measurement grid: dx=15mm, dy=15mm
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Power Drift = -0.01 dB
Peak SAR (extrapolated) = 0.461 W/kg
SAR(1 g) = 0.287 W/kg; SAR(10 g) = 0.171 W/kg



0 dB = 0.341 W/kg



Enlarged Plot for A27

DT&C Co., Ltd.

DUT: LM-V500EM; Type: Bar

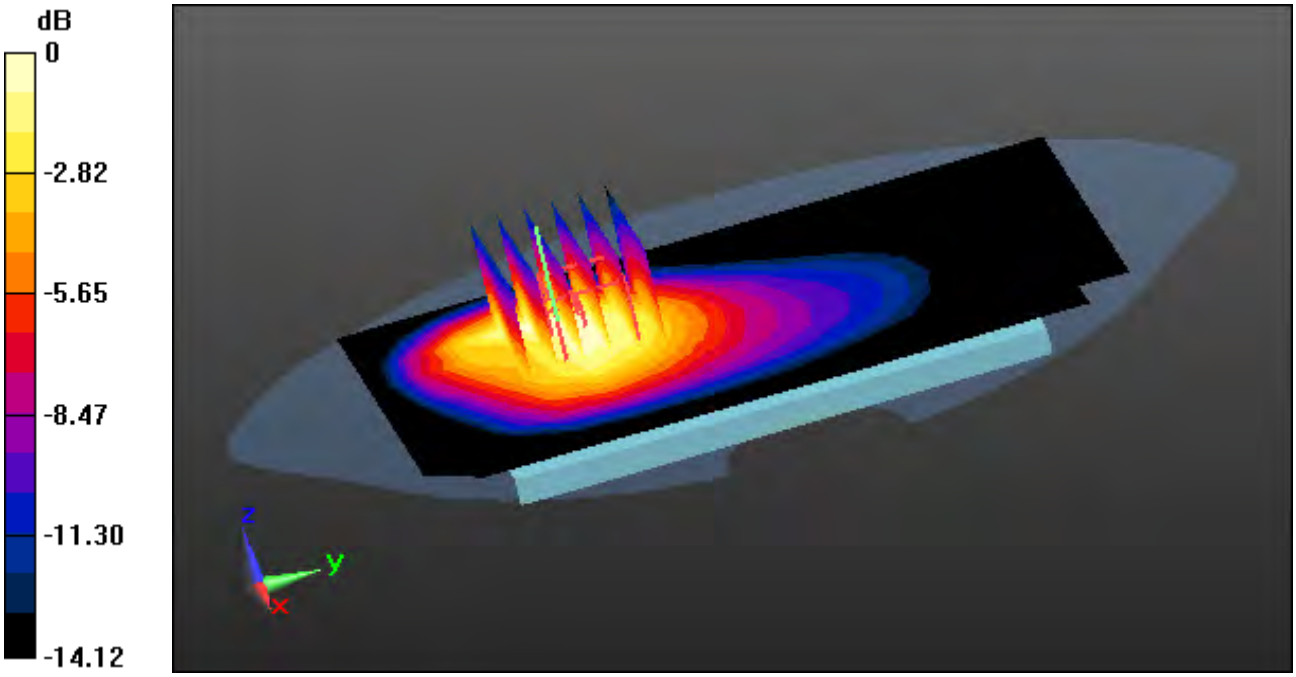
Communication System: UID 0, WCDMA 850 (0); Frequency: 846.6 MHz; Duty Cycle: 1:1
Medium parameters used: f = 846.6 MHz; σ = 1.003 S/m; ε_r = 54.552; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:
Probe: ES3DV3 - SN3327; ConvF(6.24, 6.24, 6.24); Calibrated: 8/28/2018; Electronics: DAE3 Sn520
Sensor-Surface: 3mm (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)

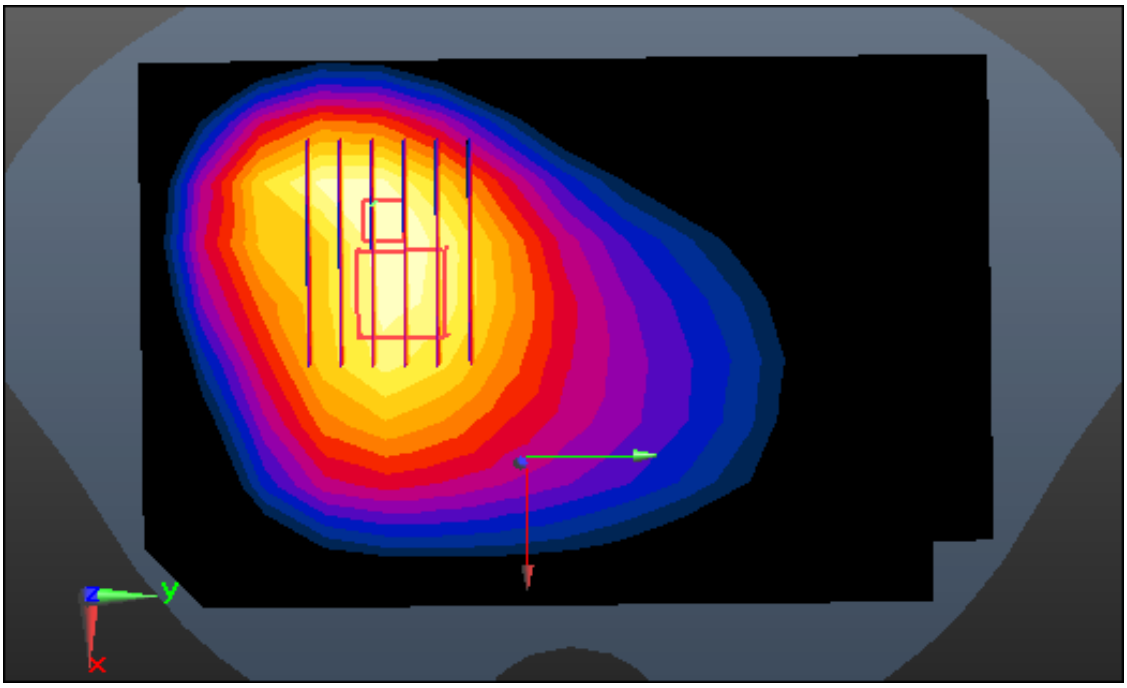
Test Date: 2019-03-04; Ambient Temp: 21.1; Tissue Temp: 21.2

1cm space from Body, Rear, WCDMA850 Ch. 4233, Ant Internal

Area Scan (10x15x1): Measurement grid: dx=15mm, dy=15mm
Zoom Scan (8x6x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Power Drift = 0.05 dB
Peak SAR (extrapolated) = 1.31 W/kg
SAR(1 g) = 0.794 W/kg; SAR(10 g) = 0.497 W/kg



0 dB = 0.944 W/kg



Enlarged Plot for A28

DT&C Co., Ltd.

DUT: LM-V500EM; Type: Bar

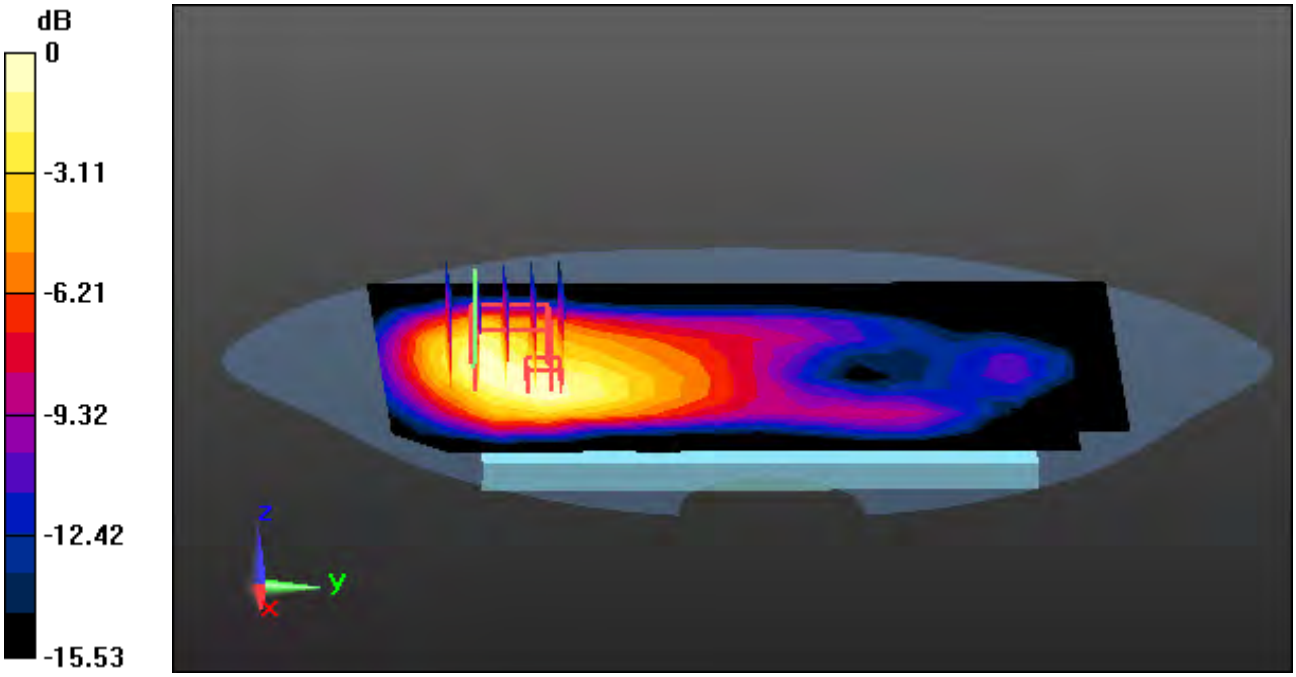
Communication System: UID 0, WCDMA 1900 (0); Frequency: 1880 MHz; Duty Cycle: 1:1
Medium parameters used: f = 1880 MHz; σ = 1.514 S/m; ε_r = 55.227; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:
Probe: ES3DV3 - SN3327; ConvF(4.91, 4.91, 4.91); Calibrated: 8/28/2018; Electronics: DAE3 Sn520
Sensor-Surface: 3mm (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)

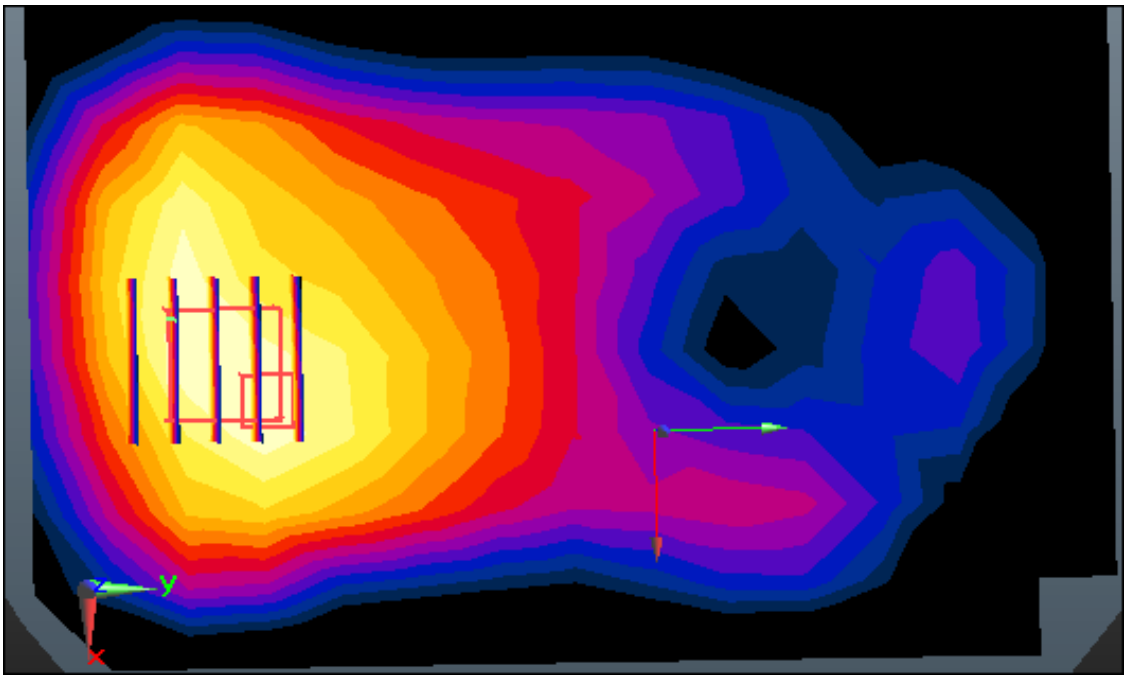
Test Date: 2019-03-05; Ambient Temp: 21.3; Tissue Temp: 21.5

1cm space from Body, Front, WCDMA1900 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 = -0.00 dB
Peak SAR (extrapolated) = 0.714 W/kg
SAR(1 g) = 0.439 W/kg; SAR(10 g) = 0.265 W/kg



0 dB = 0.533 W/kg



Enlarged Plot for A29

DUT: LM-V500EM; Type: Bar

Communication System: UID 0, LTE Band 12 (FCC) (0); Frequency: 707.5 MHz;Duty Cycle: 1:1
Medium parameters used: f = 707.5 MHz; σ = 0.932 S/m; ε_r = 56.231; ρ = 1000 kg/m^3
Phantom section: Flat Section

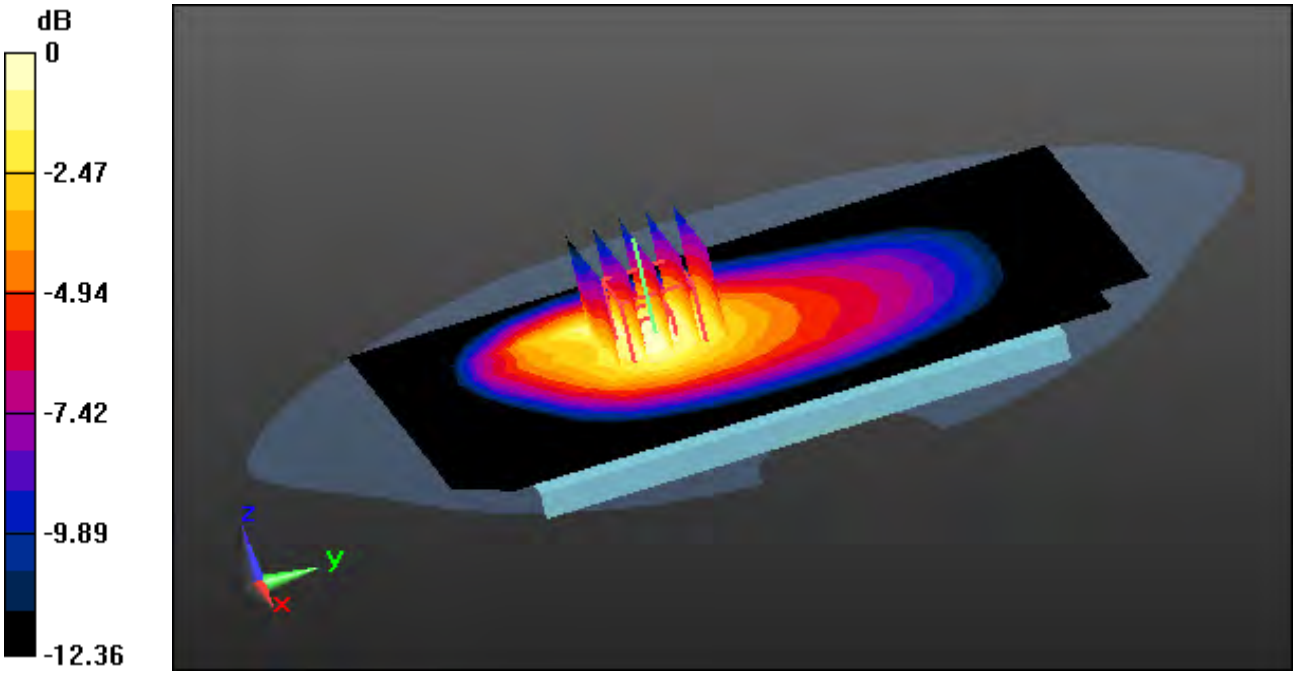
DASY5 Configuration:
Probe: ES3DV3 - SN3327; ConvF(6.38, 6.38, 6.38); Calibrated: 8/28/2018; Electronics: DAE3 Sn520
Sensor-Surface: 3mm (Mechanical Surface Detection)
Phantom: SAM-twin right_2013_09_24; Type: QD000P40CD; Serial: TP:1783
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2019-03-11; Ambient Temp: 21.5; Tissue Temp: 21.4

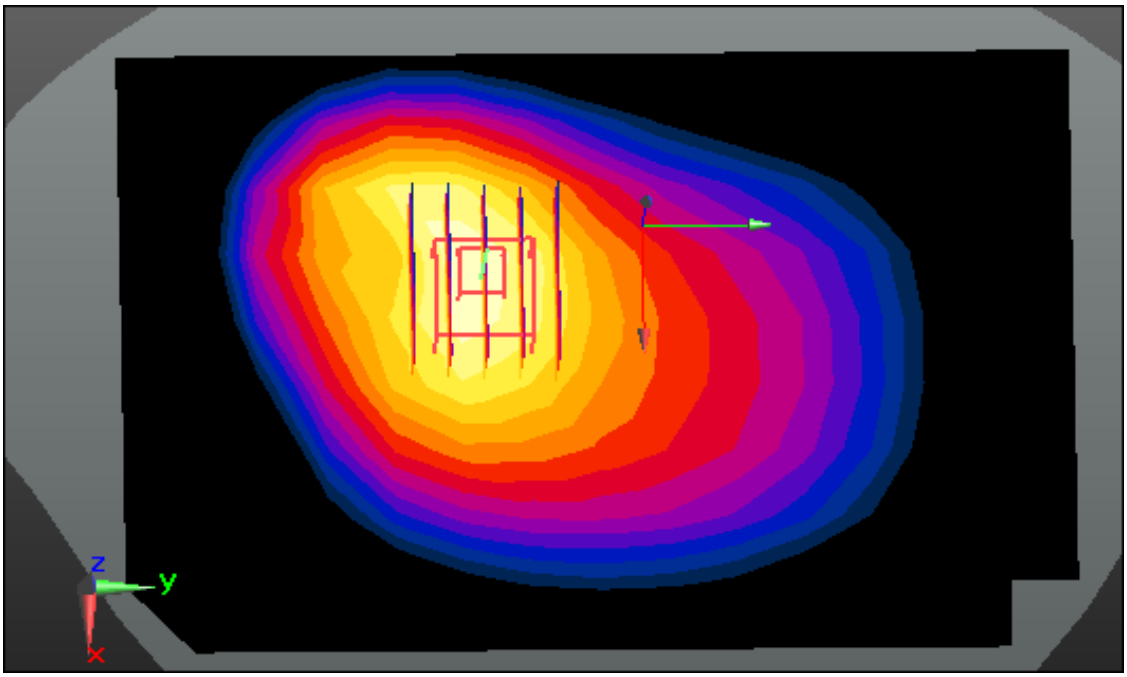
1cm space from Body, Rear, LTE Band 12 Ch. 23095, Ant Internal

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

Area Scan (10x15x1): Measurement grid: dx=15mm, dy=15mm
Zoom Scan (6x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Power Drift = 0.01 dB
Peak SAR (extrapolated) = 0.691 W/kg
SAR(1 g) = 0.447 W/kg; SAR(10 g) = 0.303 W/kg



0 dB = 0.519 W/kg



Enlarged Plot for A30

DT&C Co., Ltd.

DUT: LM-V500EM; Type: Bar

Communication System: UID 0, LTE Band 5 (FCC) (0); Frequency: 836.5 MHz;Duty Cycle: 1:1
Medium parameters used: f = 836.5 MHz; σ = 0.99 S/m; ε_r = 54.526; ρ = 1000 kg/m^3
Phantom section: Flat Section

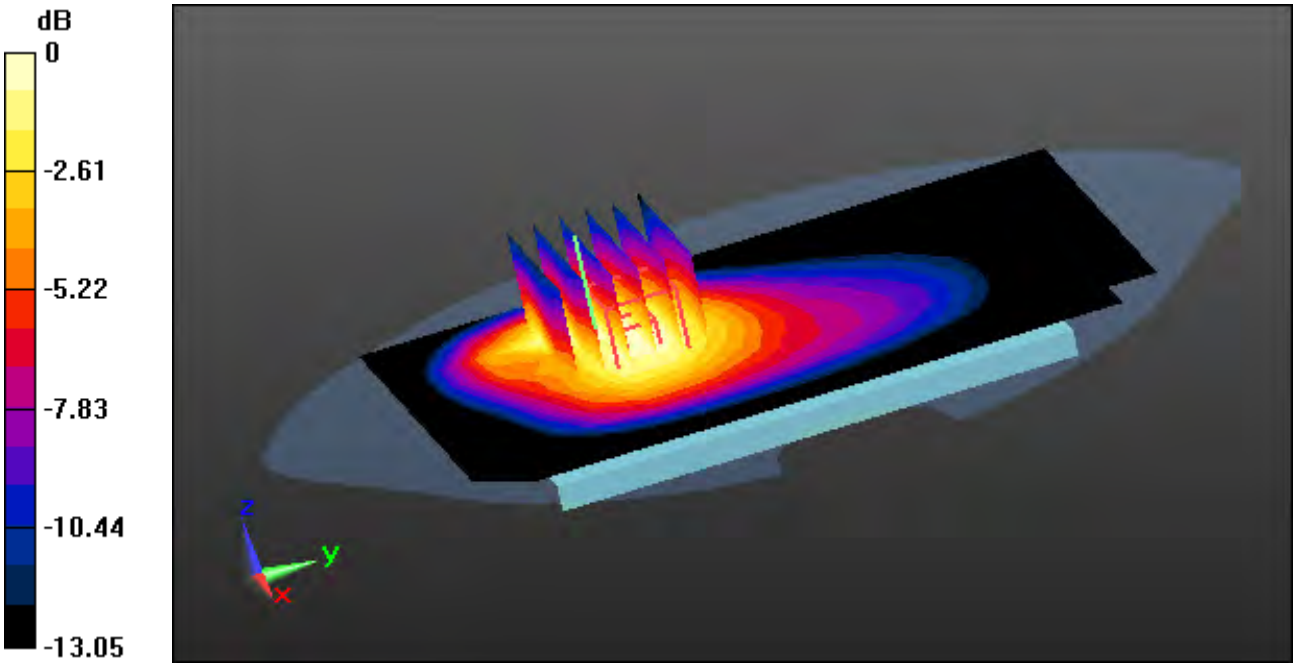
DASY5 Configuration:
Probe: ES3DV3 - SN3327; ConvF(6.24, 6.24, 6.24); Calibrated: 8/28/2018; Electronics: DAE3 Sn520
Sensor-Surface: 3mm (Mechanical Surface Detection)
Phantom: SAM-twin right_2013_09_24; Type: QD000P40CD; Serial: TP:1783
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2019-03-08; Ambient Temp: 21.3; Tissue Temp: 21.7

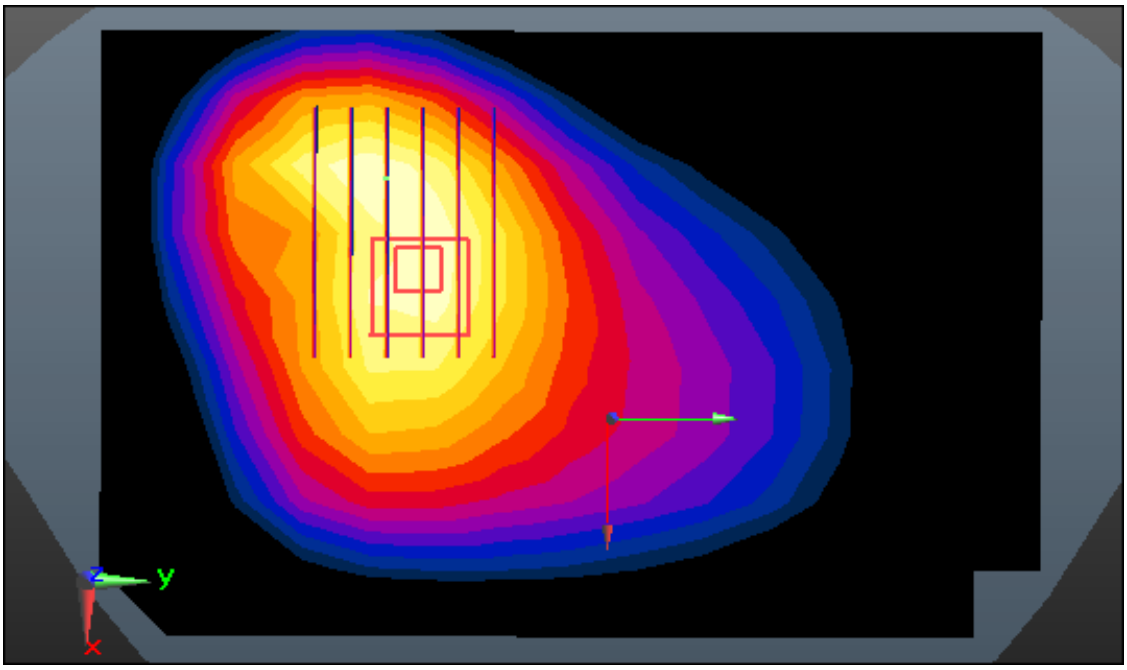
1cm space from Body, Rear, LTE Band 5 Ch. 20525, Ant Internal

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

Area Scan (10x15x1): Measurement grid: dx=15mm, dy=15mm
Zoom Scan (8x6x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Power Drift = 0.01 dB
Peak SAR (extrapolated) = 0.848 W/kg
SAR(1 g) = 0.540 W/kg; SAR(10 g) = 0.368 W/kg



0 dB = 0.635 W/kg



Enlarged Plot for A31

DT&C Co., Ltd.

DUT: LM-V500EM; 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 = 1.473 S/m; ε_r = 55.472; ρ = 1000 kg/m^3
Phantom section: Flat Section

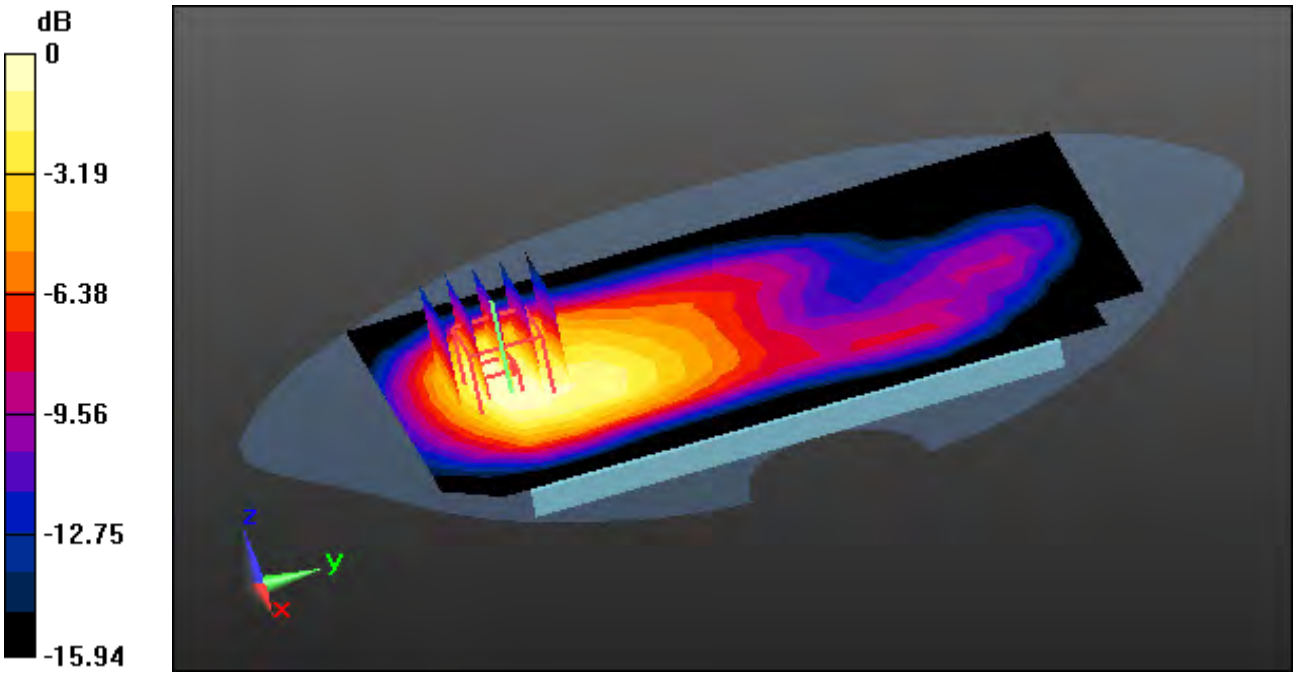
DASY5 Configuration:
Probe: ES3DV3 - SN3327; ConvF(5.15, 5.15, 5.15); Calibrated: 8/28/2018; Electronics: DAE3 Sn520
Sensor-Surface: 3mm (Mechanical Surface Detection)
Phantom: SAM-twin right_2013_09_24; Type: QD000P40CD; Serial: TP:1783
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2019-03-07; Ambient Temp: 21.4; Tissue Temp: 21.3

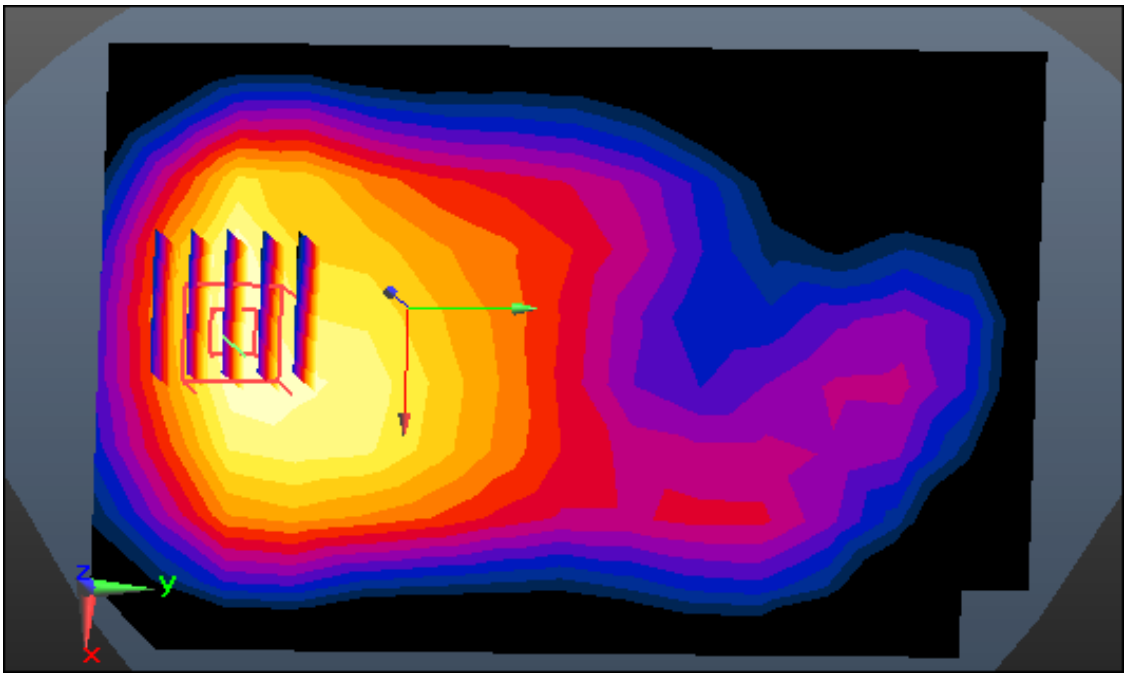
1cm space from Body, Front, LTE Band 4 Ch. 20175, Ant Internal

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 = -0.01 dB
Peak SAR (extrapolated) = 0.700 W/kg
SAR(1 g) = 0.450 W/kg; SAR(10 g) = 0.272 W/kg



0 dB = 0.529 W/kg



Enlarged Plot for A32

DUT: LM-V500EM; Type: Bar

Communication System: UID 0, LTE Band 2 (0); Frequency: 1860 MHz;Duty Cycle: 1:1
Medium parameters used: f = 1860 MHz; σ = 1.494 S/m; ε_r = 55.312; ρ = 1000 kg/m^3
Phantom section: Flat Section

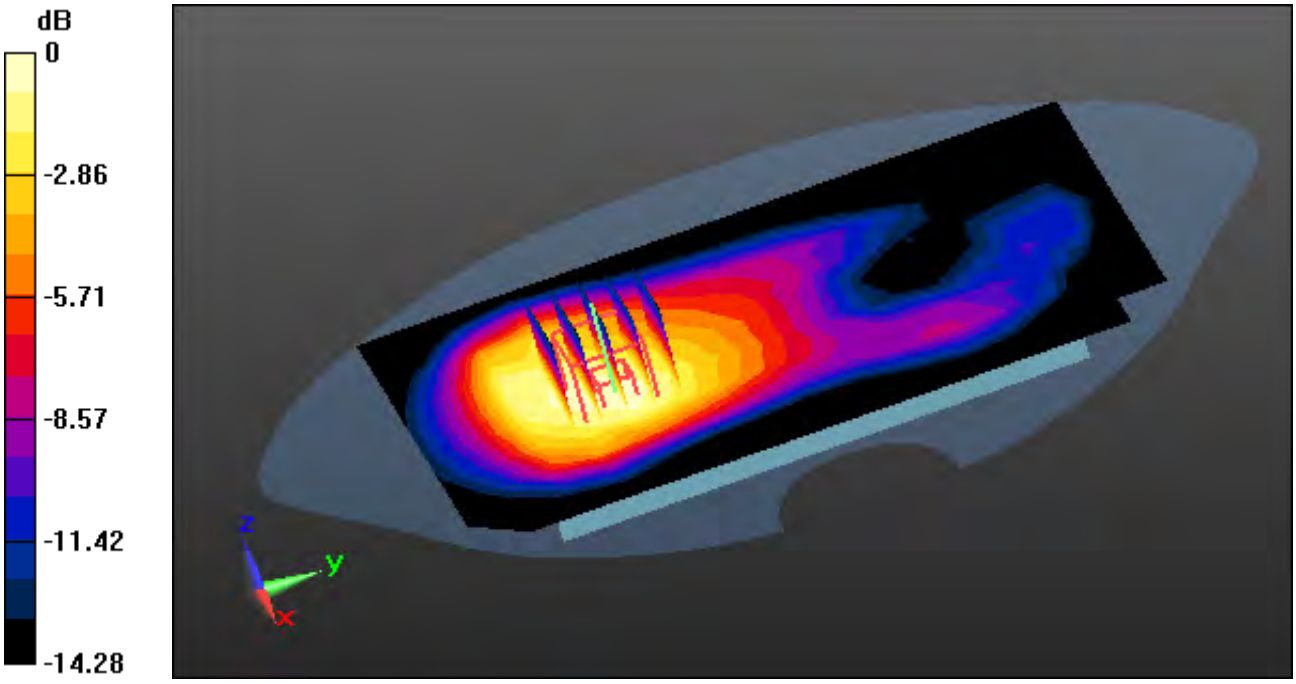
DASY5 Configuration:
Probe: ES3DV3 - SN3327; ConvF(4.91, 4.91, 4.91); Calibrated: 8/28/2018; Electronics: DAE3 Sn520
Sensor-Surface: 3mm (Mechanical Surface Detection)
Phantom: SAM-twin right_2013_09_24; Type: QD000P40CD; Serial: TP:1783
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2019-03-06; Ambient Temp: 21.2; Tissue Temp: 21.4

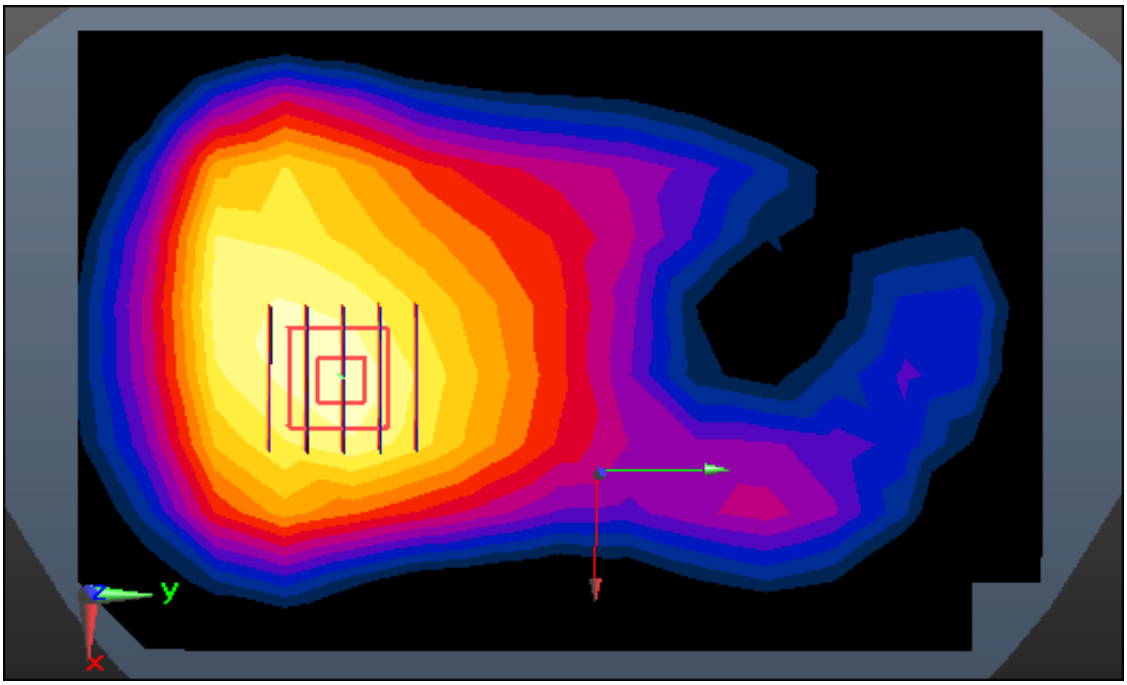
1cm space from Body, Front, LTE Band 2 Ch. 18700, Ant Internal

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

Area Scan (10x15x1): Measurement grid: dx=15mm, dy=15mm
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Power Drift = -0.03 dB
Peak SAR (extrapolated) = 0.766 W/kg
SAR(1 g) = 0.483 W/kg; SAR(10 g) = 0.295 W/kg



0 dB = 0.581 W/kg



Enlarged Plot for A33

DT&C Co., Ltd.

DUT: LM-V500EM; Type: Bar

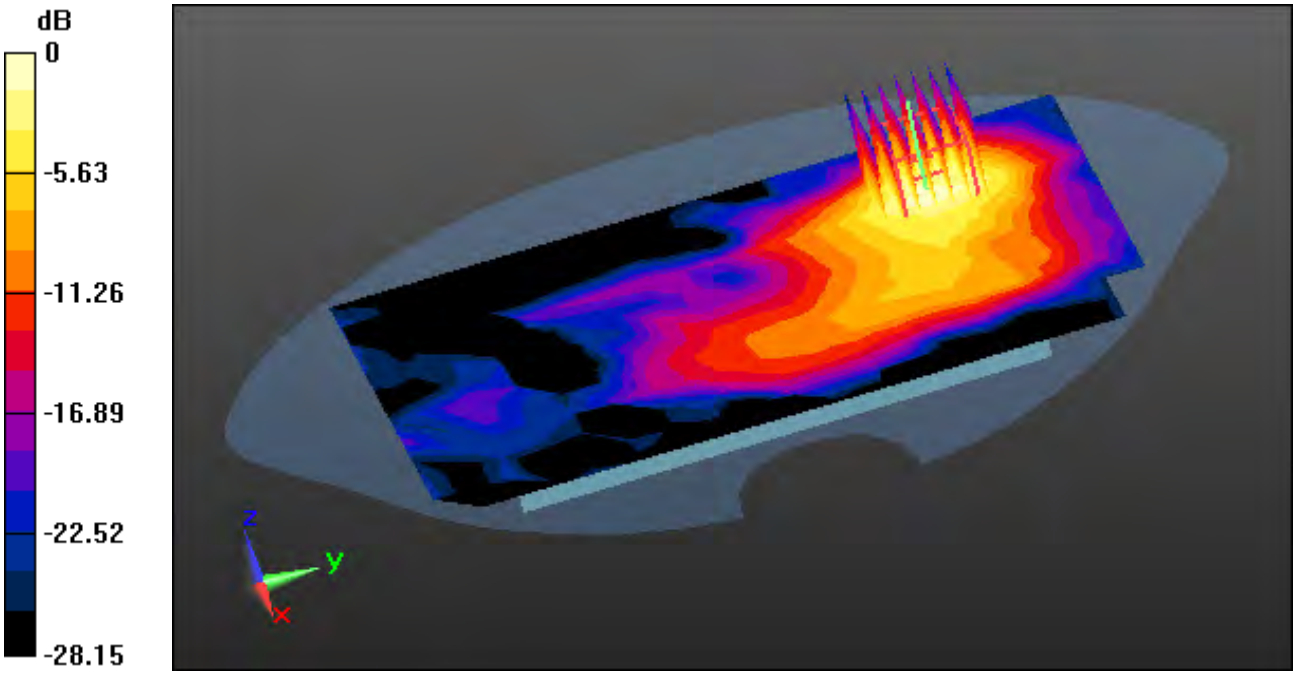
Communication System: UID 0, 00_2.4 GHz W-LAN (0); Frequency: 2412 MHz; Duty Cycle: 1:1
Medium parameters used: f = 2412 MHz; σ = 1.918 S/m; ε_r = 53.56; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:
Probe: ES3DV3 - SN3327; ConvF(4.5, 4.5, 4.5); Calibrated: 8/28/2018; Electronics: DAE3 Sn520
Sensor-Surface: 3mm (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)

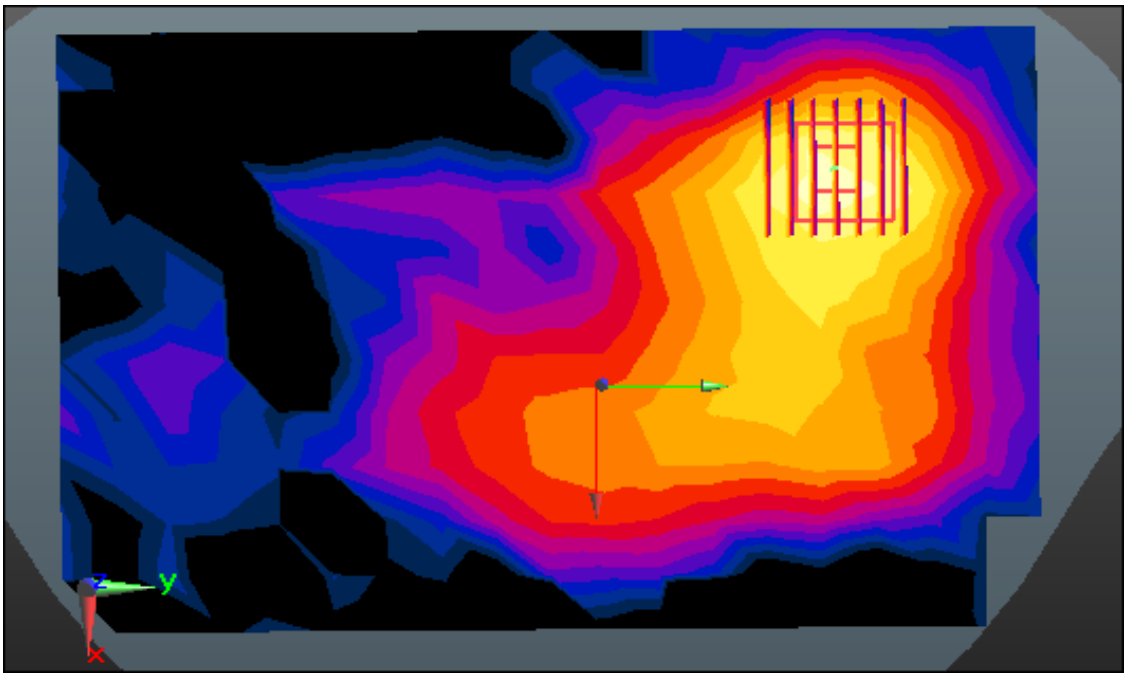
Test Date: 2019-03-12; Ambient Temp: 21.2; Tissue Temp: 21.3

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

Area Scan (12x19x1): Measurement grid: dx=12mm, dy=12mm
Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Power Drift = 0.06 dB
Peak SAR (extrapolated) = 0.144 W/kg
SAR(1 g) = 0.071 W/kg; SAR(10 g) = 0.034 W/kg



0 dB = 0.0996 W/kg



Enlarged Plot for A34

DT&C Co., Ltd.

DUT: LM-V500EM; Type: Bar

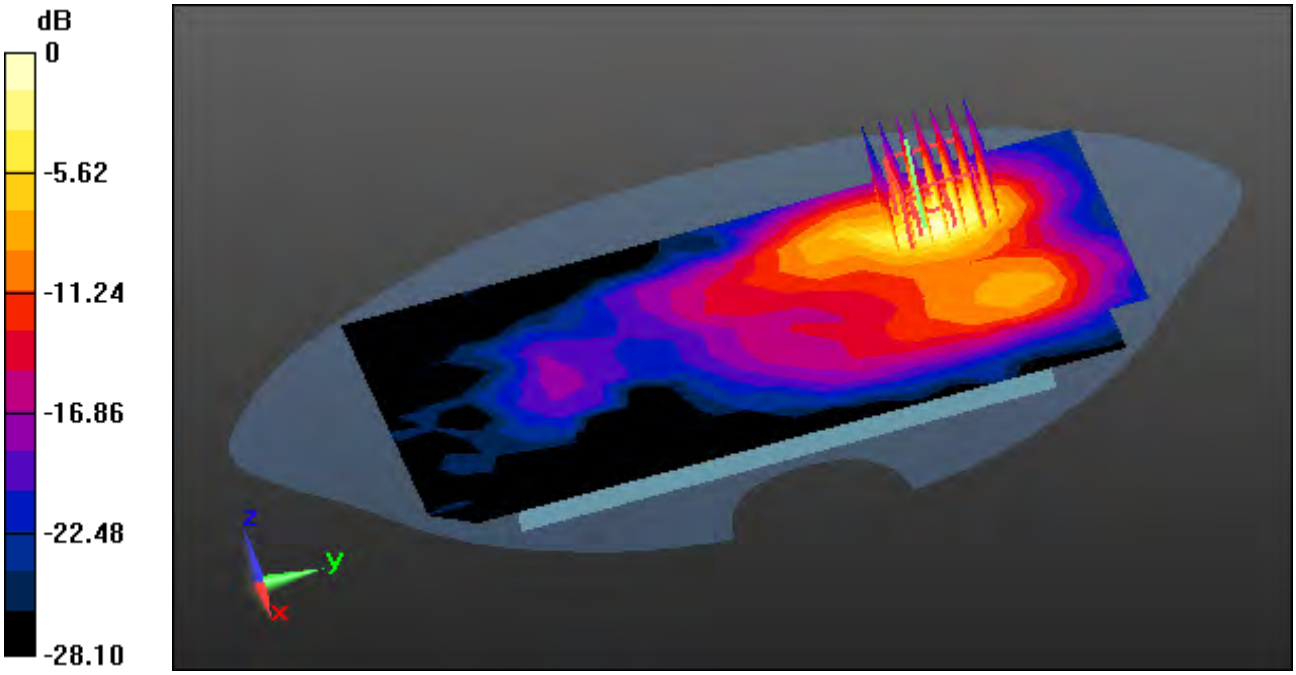
Communication System: UID 0, 00_2.4 GHz W-LAN (0); Frequency: 2412 MHz; Duty Cycle: 1:1
Medium parameters used: f = 2412 MHz; σ = 1.918 S/m; ε_r = 53.56; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:
Probe: ES3DV3 - SN3327; ConvF(4.5, 4.5, 4.5); Calibrated: 8/28/2018; Electronics: DAE3 Sn520
Sensor-Surface: 3mm (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)

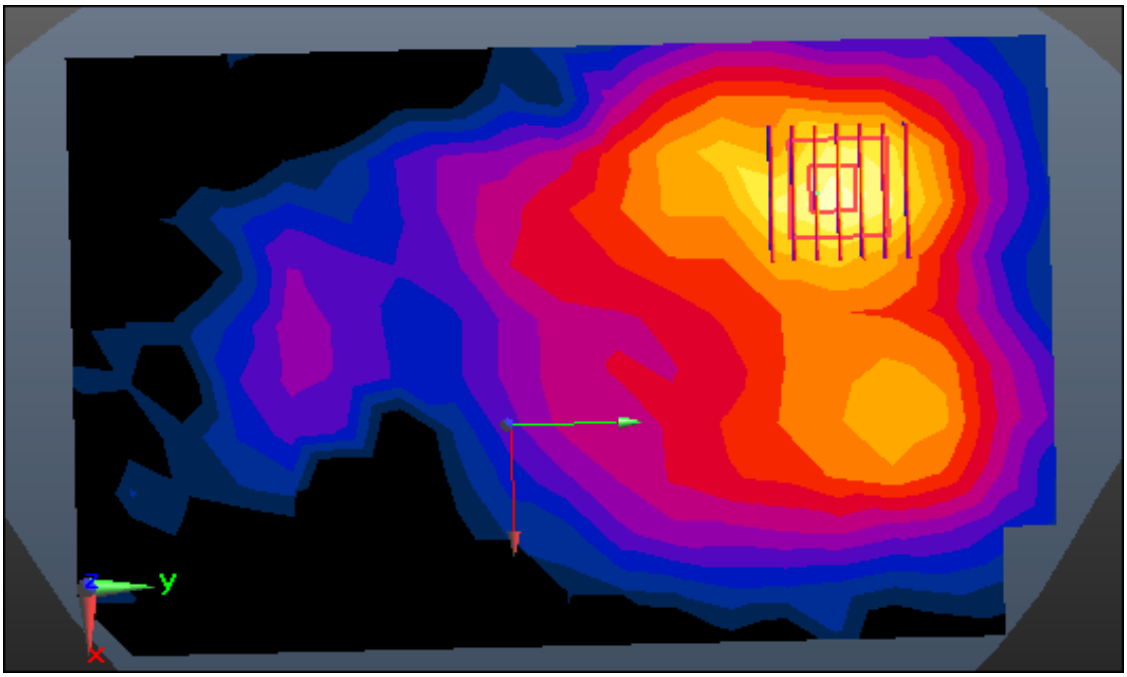
Test Date: 2019-03-12; Ambient Temp: 21.2; Tissue Temp: 21.3

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

Area Scan (12x19x1): Measurement grid: dx=12mm, dy=12mm
Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Power Drift = 0.11 dB
Peak SAR (extrapolated) = 0.335 W/kg
SAR(1 g) = 0.145 W/kg; SAR(10 g) = 0.062 W/kg



0 dB = 0.193 W/kg



Enlarged Plot for A35

DUT: LM-V500EM; Type: Bar

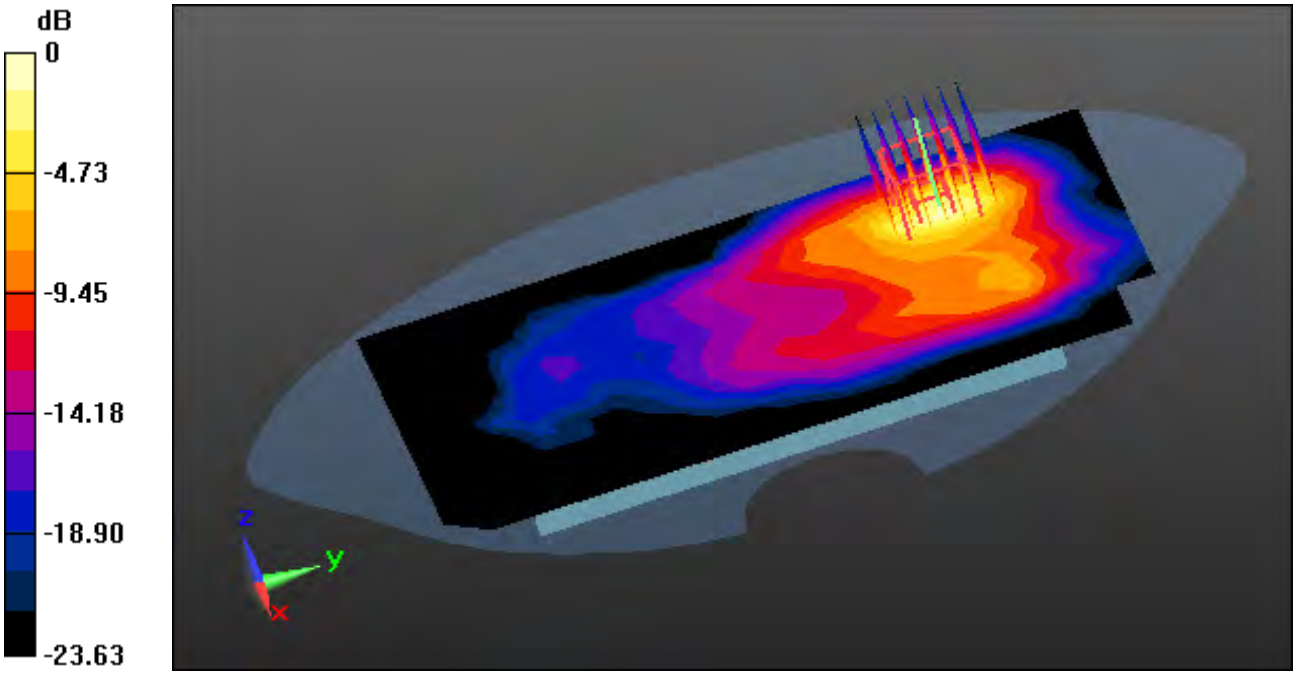
Communication System: UID 0, 00_2.4 GHz W-LAN (0); Frequency: 2412 MHz; Duty Cycle: 1:1
Medium parameters used: f = 2412 MHz; σ = 1.918 S/m; ε_r = 53.56; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:
Probe: ES3DV3 - SN3327; ConvF(4.5, 4.5, 4.5); Calibrated: 8/28/2018; Electronics: DAE3 Sn520
Sensor-Surface: 3mm (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)

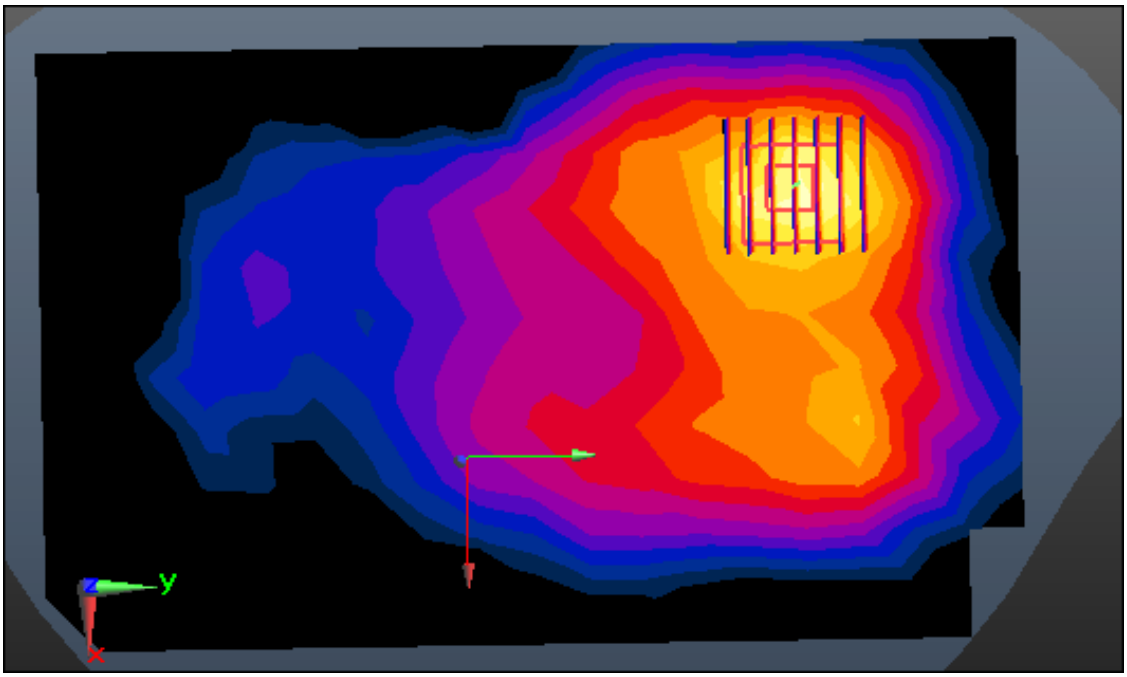
Test Date: 2019-03-12; Ambient Temp: 21.2; Tissue Temp: 21.3

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

Area Scan (12x19x1): Measurement grid: dx=12mm, dy=12mm
Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Power Drift = 0.16 dB
Peak SAR (extrapolated) = 0.502 W/kg
SAR(1 g) = 0.219 W/kg; SAR(10 g) = 0.096 W/kg



0 dB = 0.294 W/kg



Enlarged Plot for A36

DT&C Co., Ltd.

DUT: LM-V500EM; Type: Bar

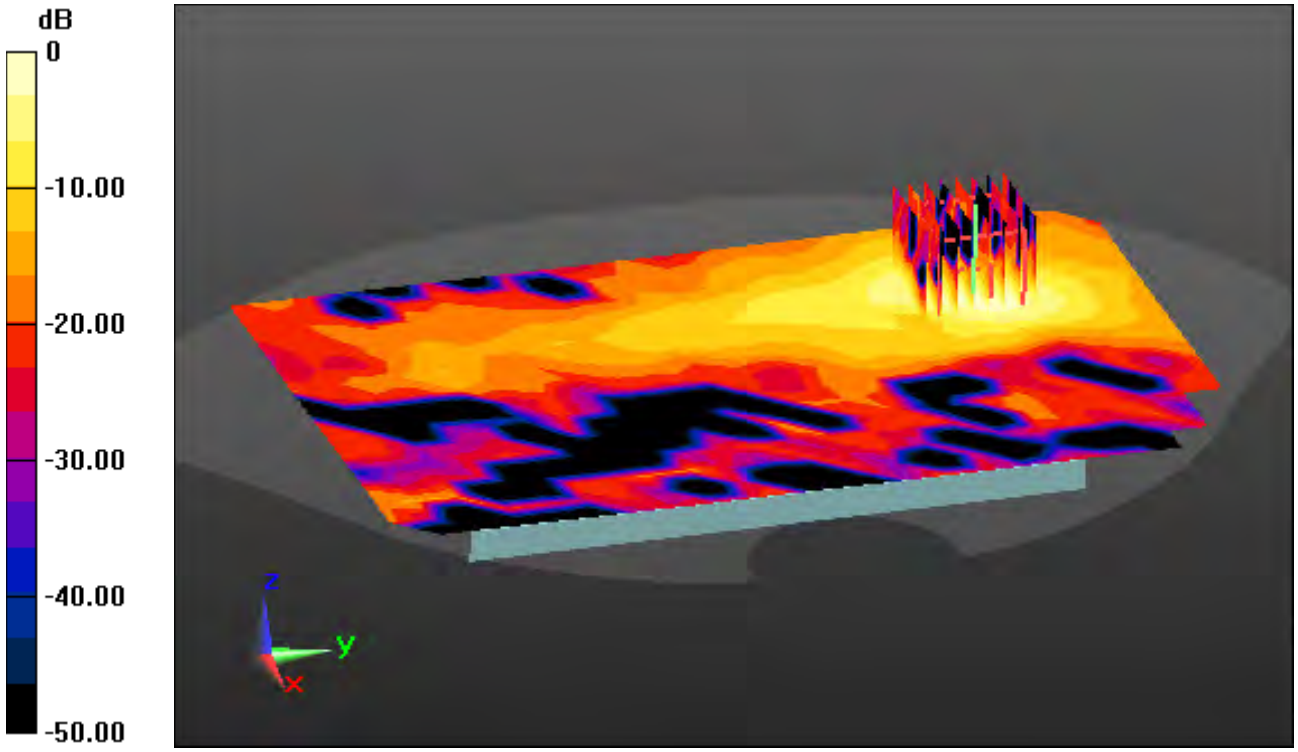
Communication System: UID 0, 00_5GHz W-LAN (0); Frequency: 5280 MHz; Duty Cycle: 1:1
Medium parameters used: f = 5280 MHz; σ = 5.601 S/m; ε_r = 49.196; ρ = 1000 kg/m^3
Phantom section: Flat Section

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

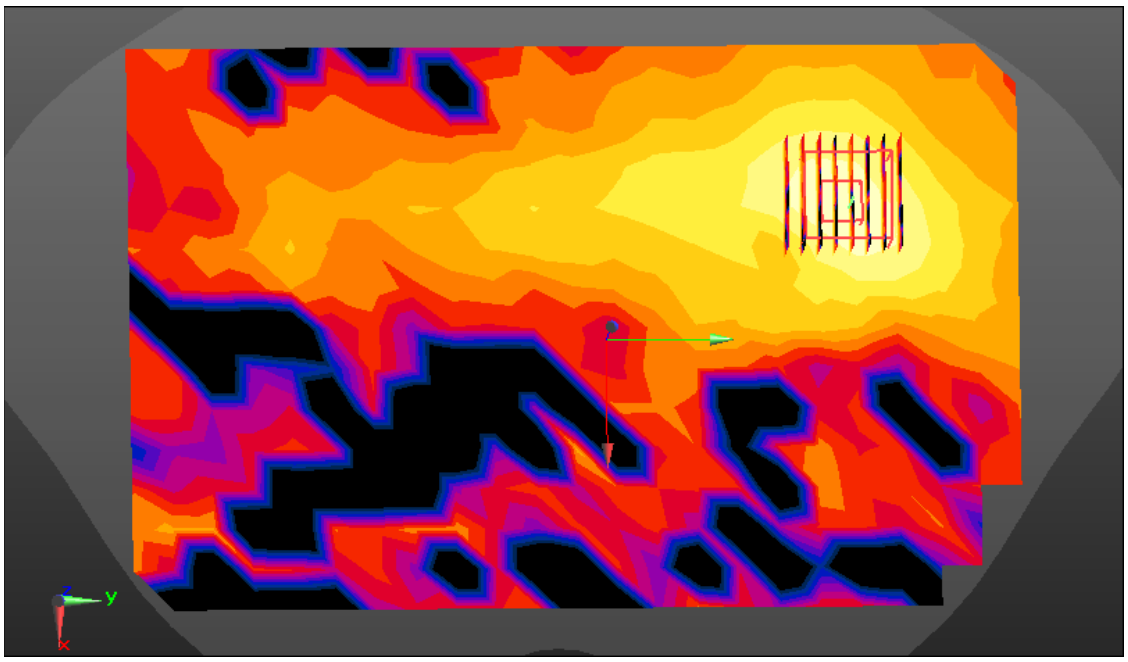
Test Date: 2019-03-05; Ambient Temp: 20.4; Tissue Temp: 20.6

1 cm space from Body, Rear, WLAN(802.11a) Ch. 56, Ant. Internal, Ant.1

Area Scan (15x23x1): Measurement grid: dx=10mm, dy=10mm
Zoom Scan (8x8x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm, Graded Ratio: 1.4
Power Drift = -0.09 dB
Peak SAR (extrapolated) = 0.845 W/kg
SAR(1 g) = 0.205 W/kg; SAR(10 g) = 0.071 W/kg



0 dB = 0.486 W/kg



Enlarged Plot for A37

DUT: LM-V500EM; Type: Bar

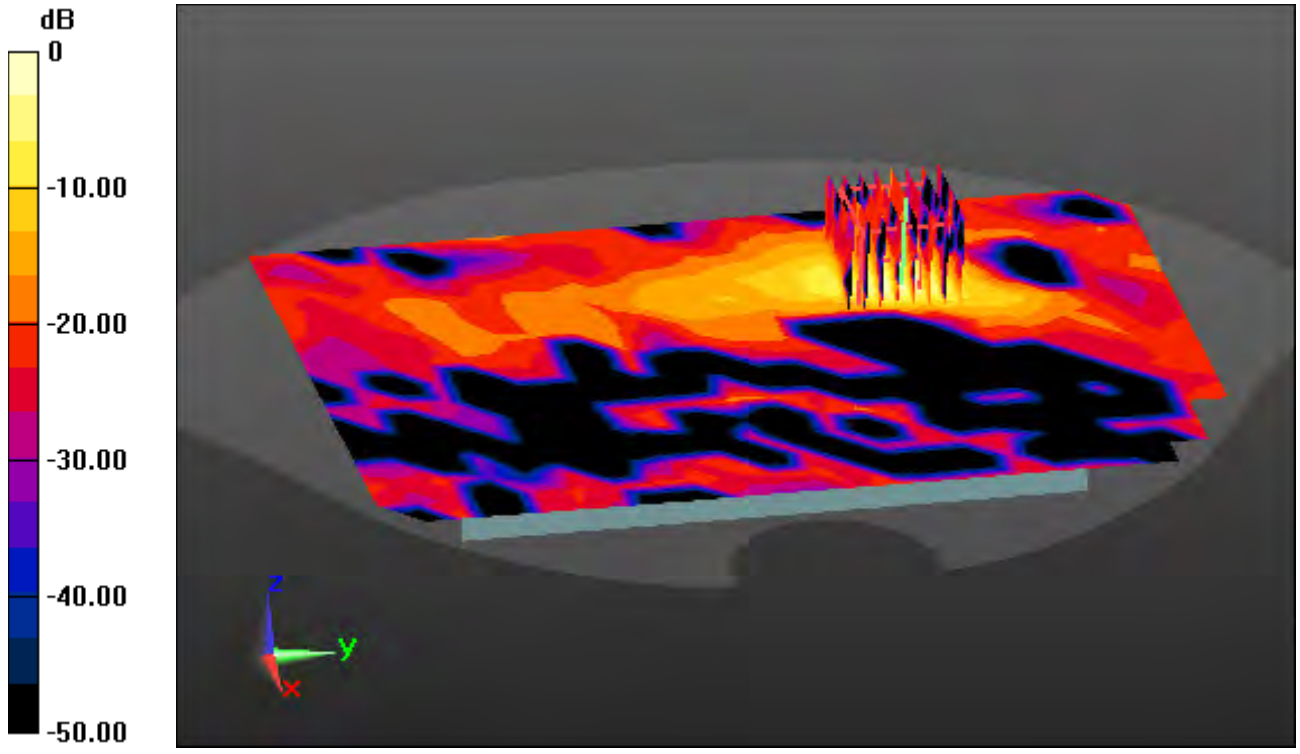
Communication System: UID 0, 00_5GHz W-LAN (0); Frequency: 5320 MHz; Duty Cycle: 1:1
Medium parameters used: f = 5320 MHz; σ = 5.66 S/m; ε_r = 49.108; ρ = 1000 kg/m^3
Phantom section: Flat Section

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

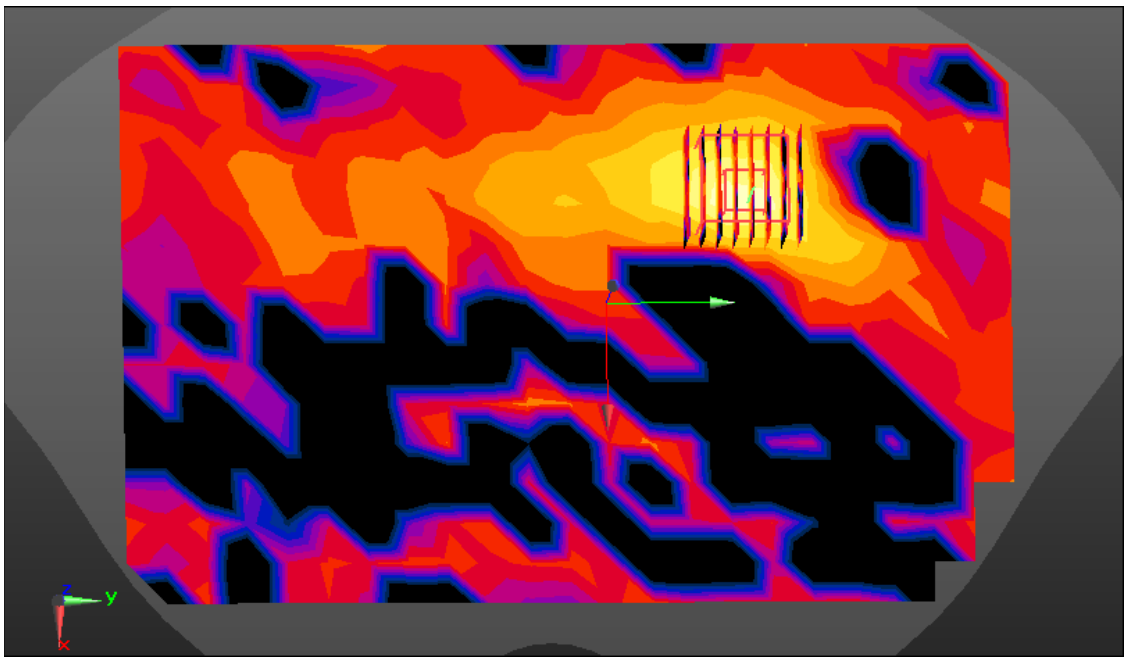
Test Date: 2019-03-05; Ambient Temp: 20.4; Tissue Temp: 20.6

1 cm space from Body, Rear, WLAN(802.11a) Ch. 64, Ant. Internal, Ant.2

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 = 0.04 dB
Peak SAR (extrapolated) = 1.01 W/kg
SAR(1 g) = 0.228 W/kg; SAR(10 g) = 0.058 W/kg



0 dB = 0.587 W/kg



Enlarged Plot for A38

DT&C Co., Ltd.

DUT: LM-V500EM; Type: Bar

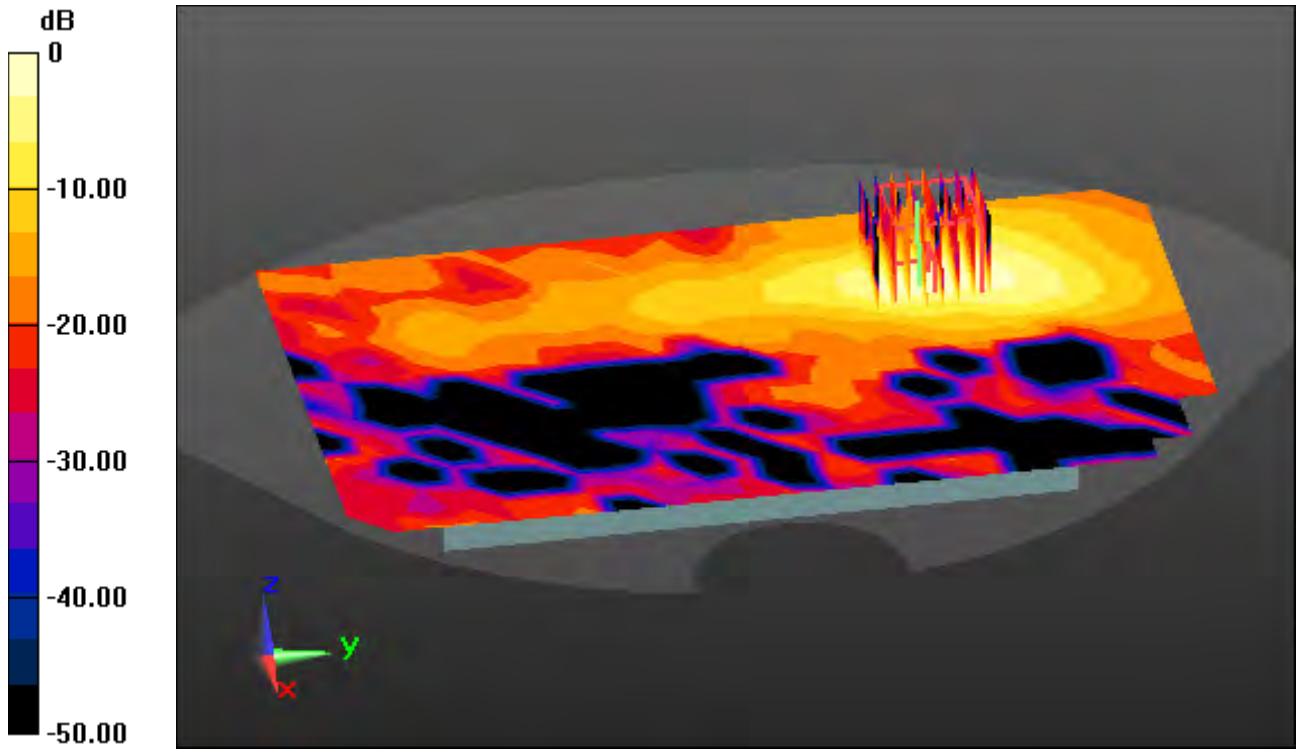
Communication System: UID 0, 00_5GHz W-LAN (0); Frequency: 5320 MHz; Duty Cycle: 1:1
Medium parameters used: f = 5320 MHz; σ = 5.66 S/m; ε_r = 49.108; ρ = 1000 kg/m^3
Phantom section: Flat Section

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

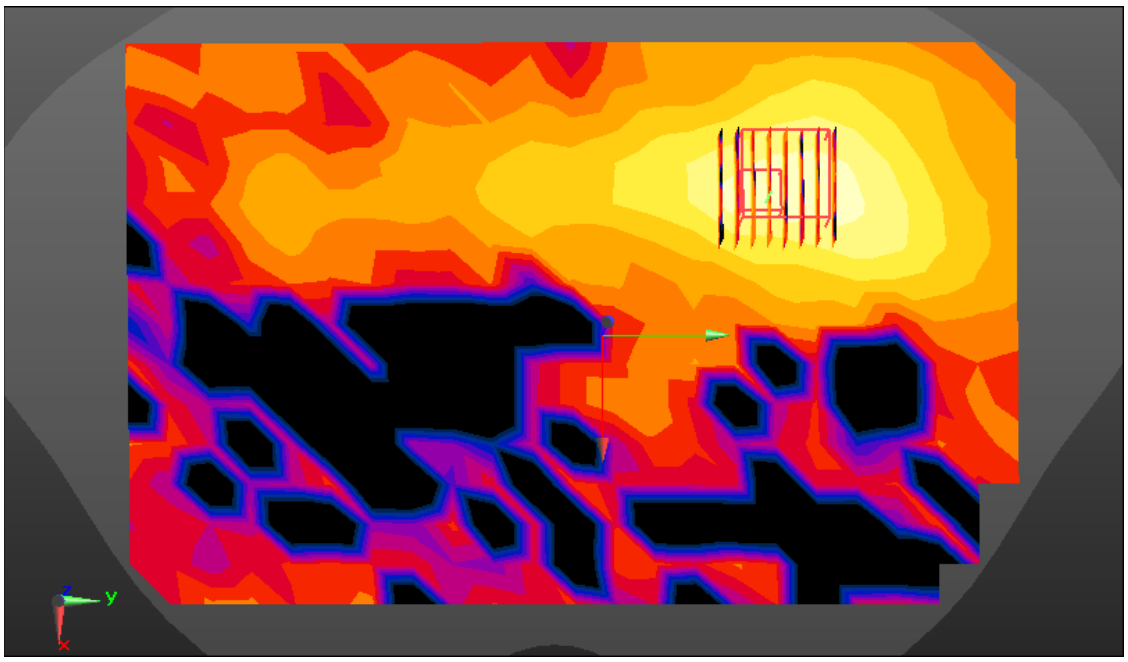
Test Date: 2019-03-05; Ambient Temp: 20.4; Tissue Temp: 20.6

1 cm space from Body, Rear, WLAN(802.11a) Ch. 64, Ant. Internal, MIMO

Area Scan (15x23x1): Measurement grid: dx=10mm, dy=10mm
Zoom Scan (8x8x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm, Graded Ratio: 1.4
Power Drift = 0.09 dB
Peak SAR (extrapolated) = 1.03 W/kg
SAR(1 g) = 0.245 W/kg; SAR(10 g) = 0.082 W/kg



0 dB = 0.571 W/kg



Enlarged Plot for A39

DT&C Co., Ltd.

DUT: LM-V500EM; Type: Bar

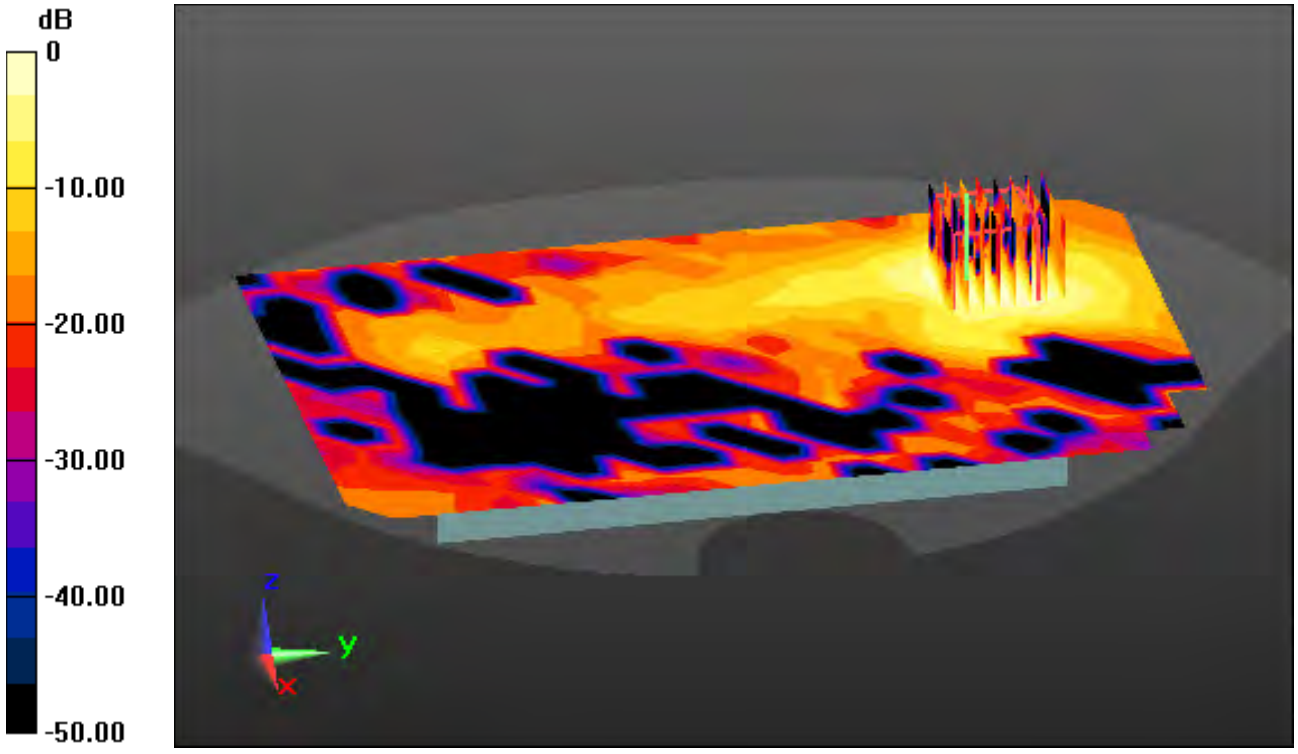
Communication System: UID 0, 00_5GHz W-LAN (0); Frequency: 5720 MHz; Duty Cycle: 1:1
Medium parameters used: f = 5720 MHz; σ = 5.84 S/m; ε_r = 48.85; ρ = 1000 kg/m^3
Phantom section: Flat Section

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

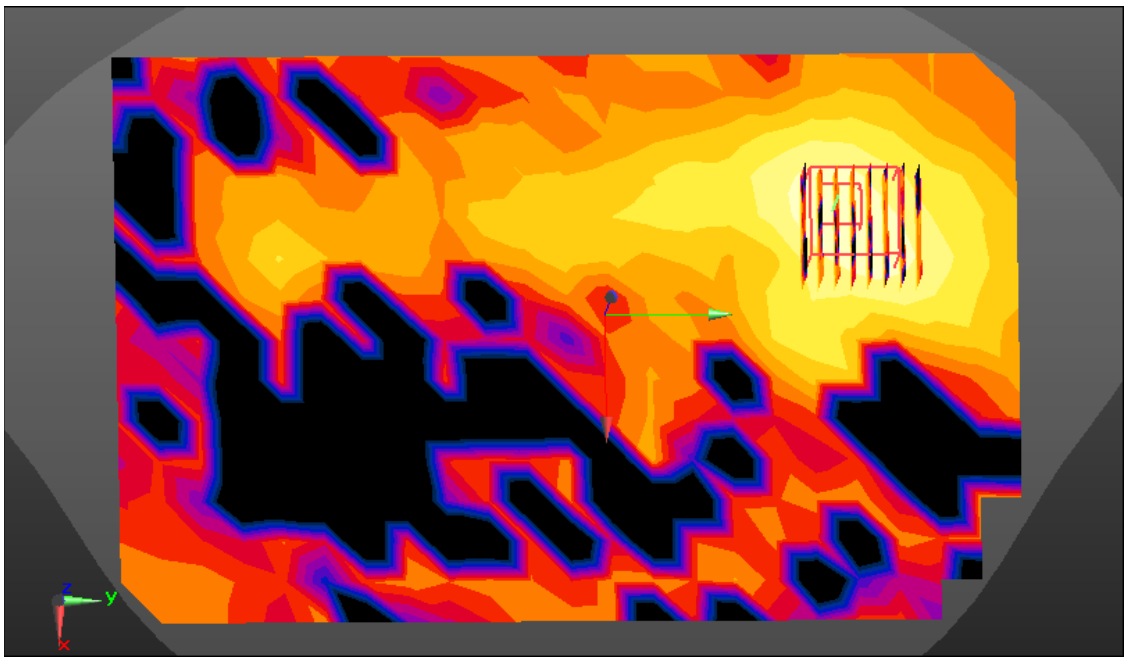
Test Date: 2019-03-06; Ambient Temp: 20.6; Tissue Temp: 20.8

1 cm space from Body, Rear, WLAN(802.11a) Ch. 144, Ant. Internal, Ant.1

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 = -0.18 dB
Peak SAR (extrapolated) = 0.489 W/kg
SAR(1 g) = 0.110 W/kg; SAR(10 g) = 0.039 W/kg



0 dB = 0.270 W/kg



Enlarged Plot for A40

DT&C Co., Ltd.

DUT: LM-V500EM; Type: Bar

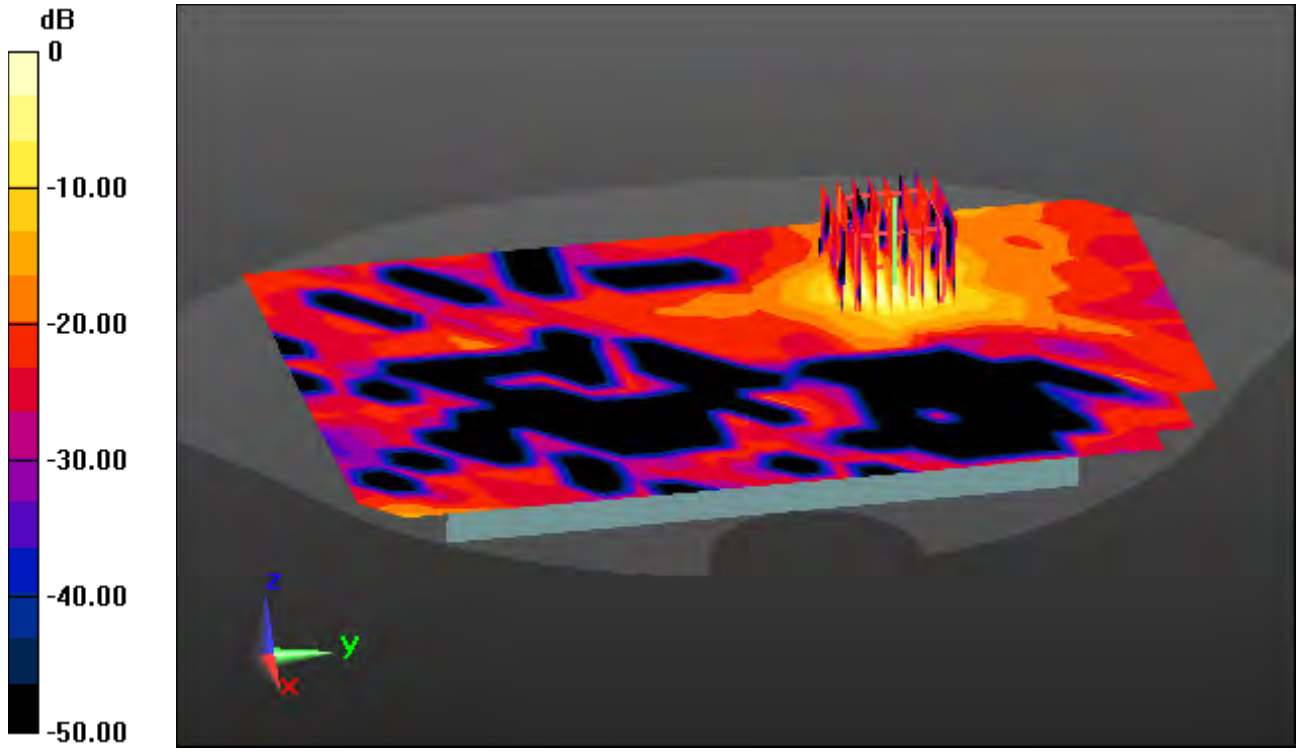
Communication System: UID 0, 00_5GHz W-LAN (0); Frequency: 5600 MHz; Duty Cycle: 1:1
Medium parameters used: f = 5600 MHz; σ = 5.725 S/m; ε_r = 49.294; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:
Probe: EX3DV4 - SN3930; ConvF(4.09, 4.09, 4.09); Calibrated: 7/26/2018; Electronics: DAE4 Sn1335
Sensor-Surface: 1.4mm (Mechanical Surface Detection)
Phantom: Twin-SAM V5.0 ; Type: QD 000 P40 CD; Serial: 1679
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

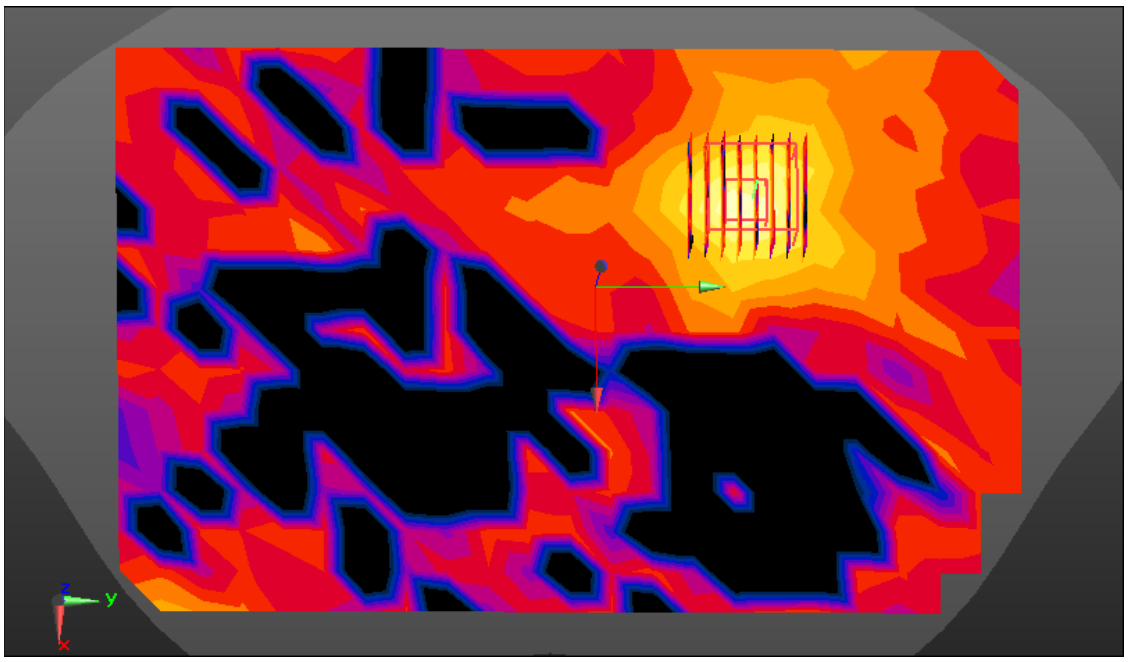
Test Date: 2019-03-06; Ambient Temp: 20.6; Tissue Temp: 20.8

1 cm space from Body, Rear, WLAN(802.11a) Ch. 120, Ant. Internal, Ant.2

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 = 0.04 dB
Peak SAR (extrapolated) = 1.85 W/kg
SAR(1 g) = 0.289 W/kg; SAR(10 g) = 0.073 W/kg



0 dB = 0.731 W/kg



Enlarged Plot for A41

DT&C Co., Ltd.

DUT: LM-V500EM; Type: Bar

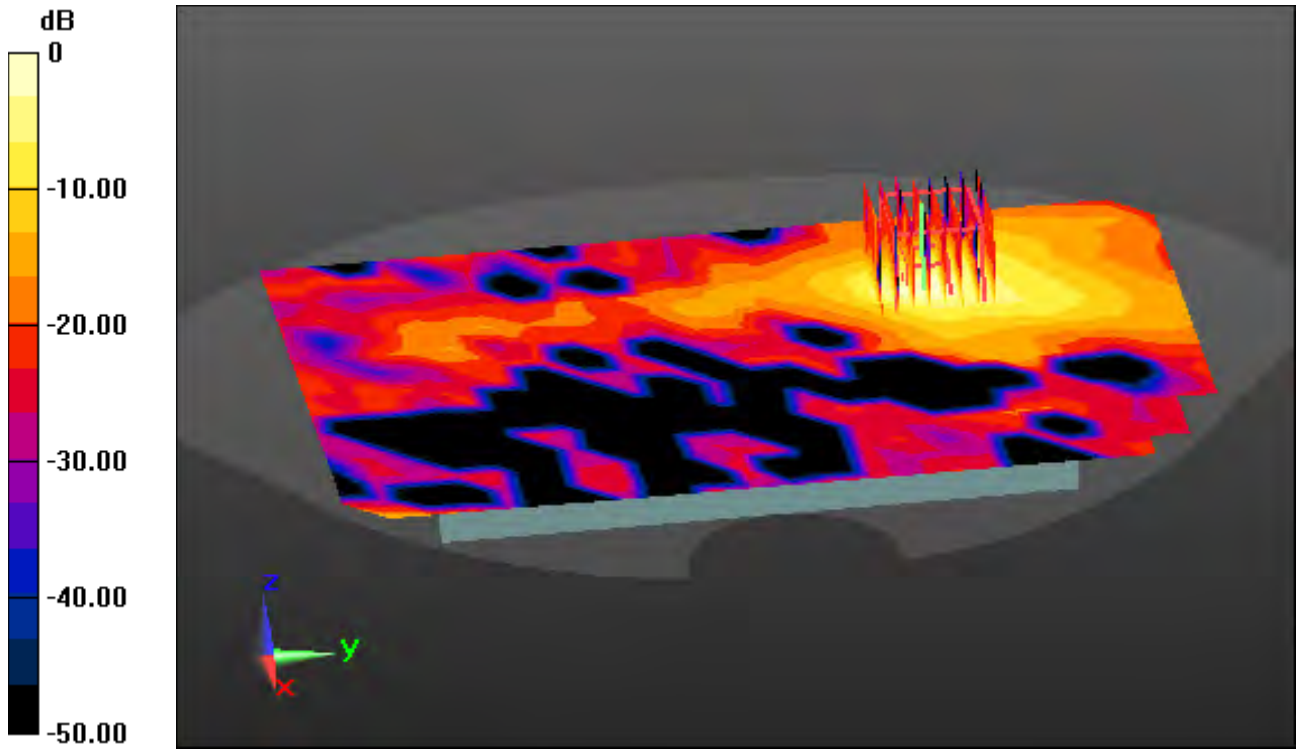
Communication System: UID 0, 00_5GHz W-LAN (0); Frequency: 5600 MHz; Duty Cycle: 1:1
Medium parameters used: f = 5600 MHz; σ = 5.725 S/m; ε_r = 49.294; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:
Probe: EX3DV4 - SN3930; ConvF(4.09, 4.09, 4.09); Calibrated: 7/26/2018; Electronics: DAE4 Sn1335
Sensor-Surface: 1.4mm (Mechanical Surface Detection)
Phantom: Twin-SAM V5.0 ; Type: QD 000 P40 CD; Serial: 1679
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

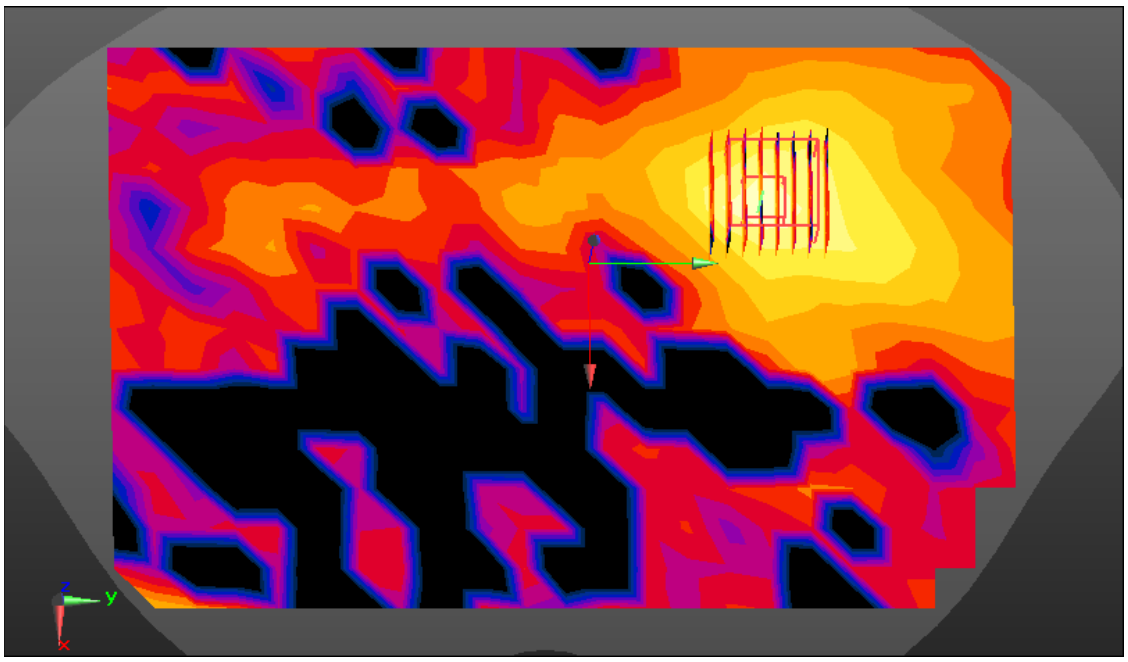
Test Date: 2019-03-06; Ambient Temp: 20.6; Tissue Temp: 20.8

1 cm space from Body, Rear, WLAN(802.11a) Ch. 120, Ant. Internal, MIMO

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 = 0.00 dB
Peak SAR (extrapolated) = 1.32 W/kg
SAR(1 g) = 0.283 W/kg; SAR(10 g) = 0.081 W/kg



0 dB = 0.712 W/kg



Enlarged Plot for A42

DT&C Co., Ltd.

DUT: LM-V500EM; Type: Bar

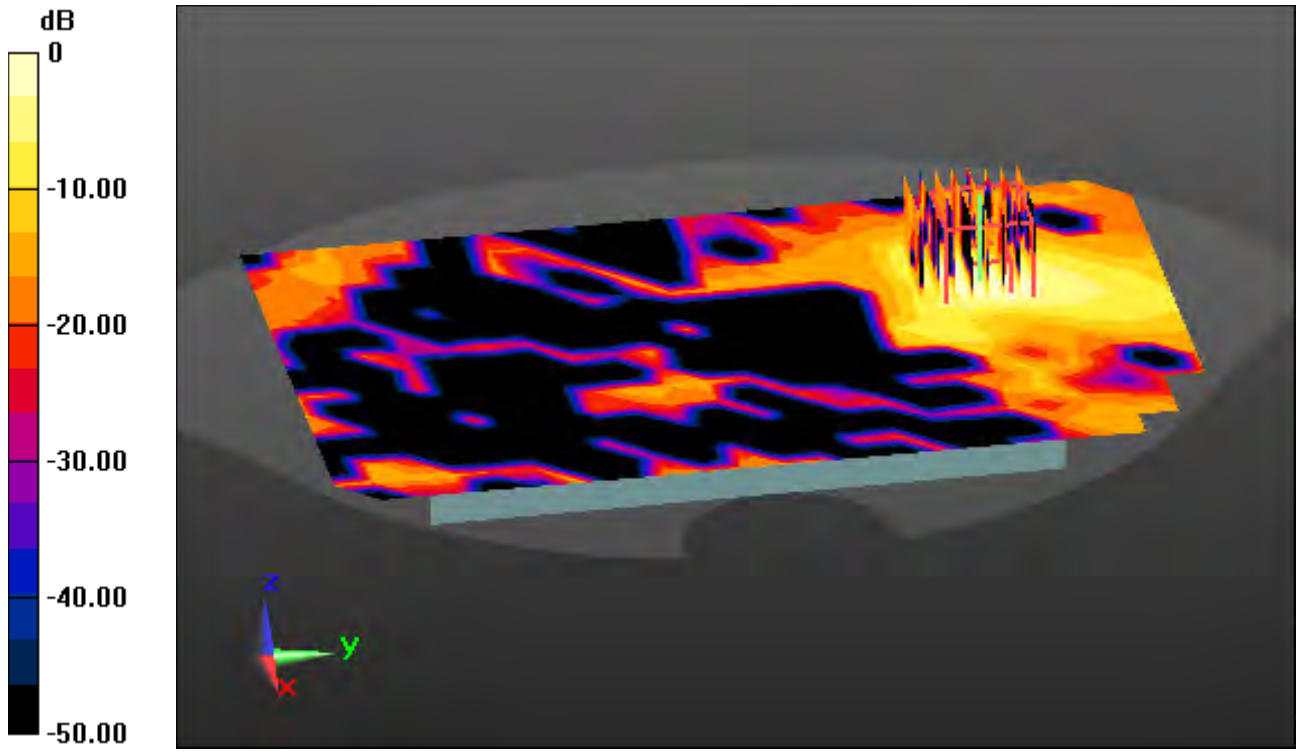
Communication System: UID 0, 00_5GHz W-LAN (0); Frequency: 5745 MHz; Duty Cycle: 1:1
Medium parameters used: f = 5745 MHz; σ = 5.911 S/m; ε_r = 48.764; ρ = 1000 kg/m^3
Phantom section: Flat Section

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

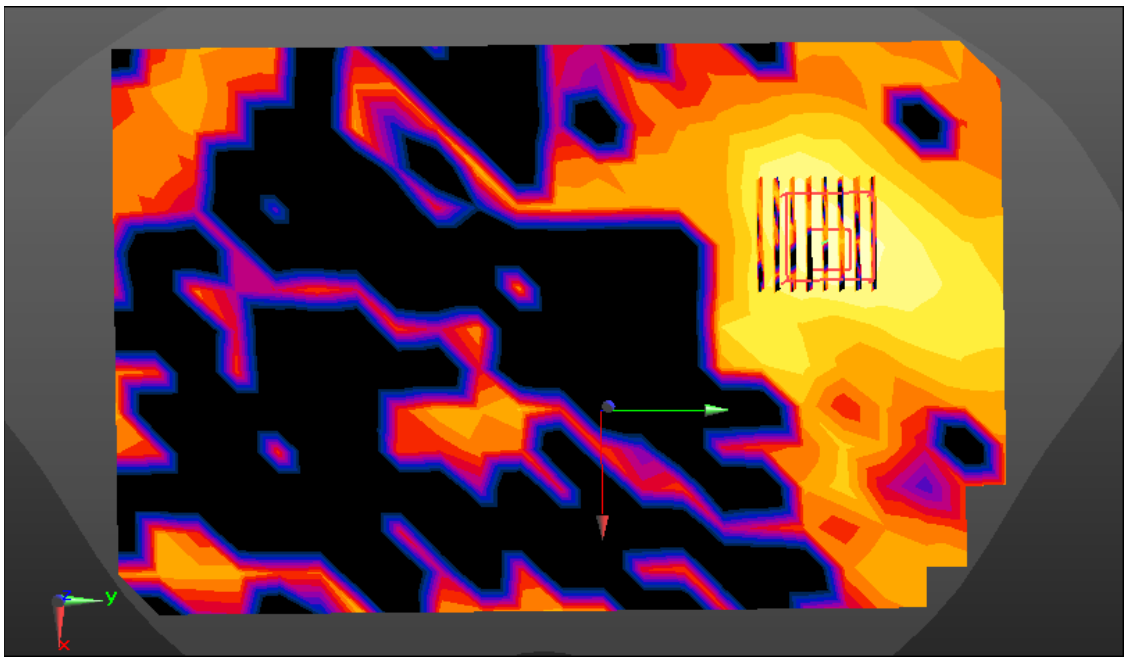
Test Date: 2019-03-07; Ambient Temp: 20.3; Tissue Temp: 20.5

1 cm space from Body, Rear, WLAN(802.11a) Ch. 149, Ant. Internal, Ant.1

Area Scan (15x23x1): Measurement grid: dx=10mm, dy=10mm
Zoom Scan (8x8x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm, Graded Ratio: 1.4
Power Drift = 0.02 dB
Peak SAR (extrapolated) = 0.293 W/kg
SAR(1 g) = 0.0655 W/kg; SAR(10 g) = 0.0221 W/kg



0 dB = 0.180 W/kg



Enlarged Plot for A43

DT&C Co., Ltd.

DUT: LM-V500EM; Type: Bar

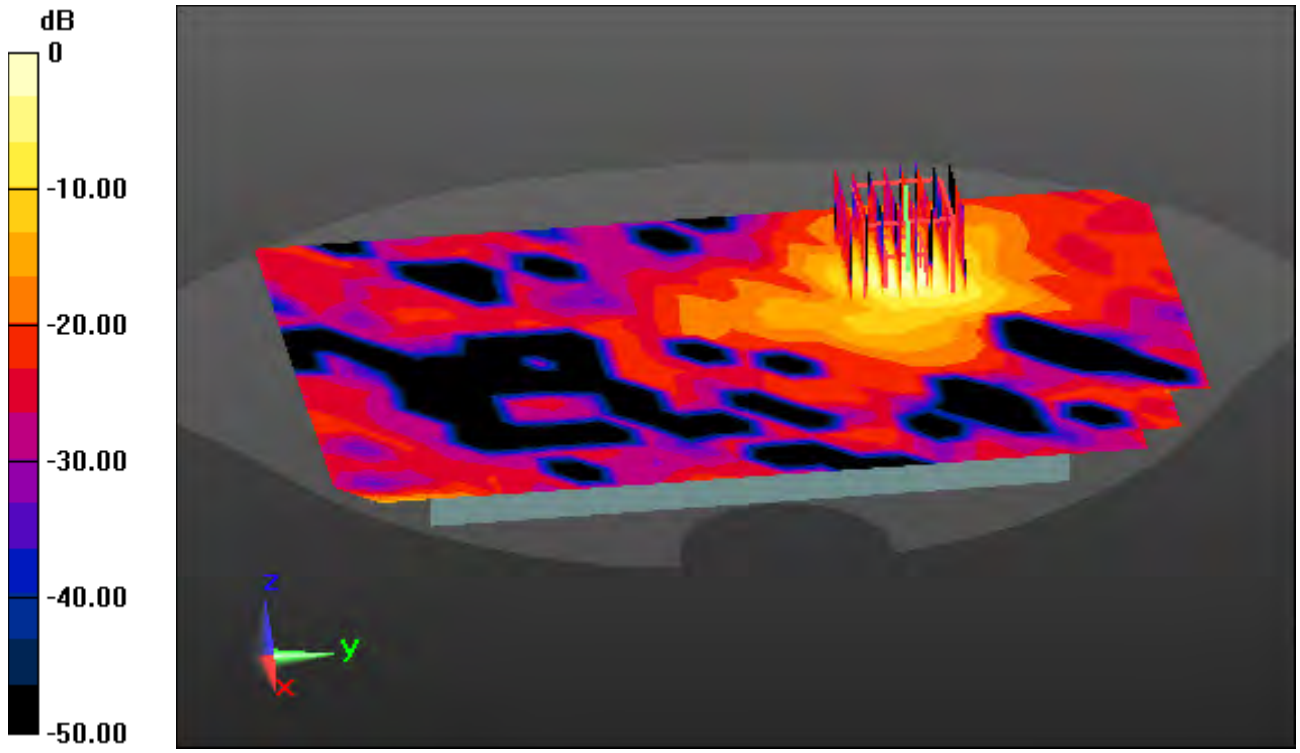
Communication System: UID 0, 00_5GHz W-LAN (0); Frequency: 5785 MHz; Duty Cycle: 1:1
Medium parameters used: f = 5785 MHz; σ = 5.955 S/m; ε_r = 48.744; ρ = 1000 kg/m^3
Phantom section: Flat Section

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

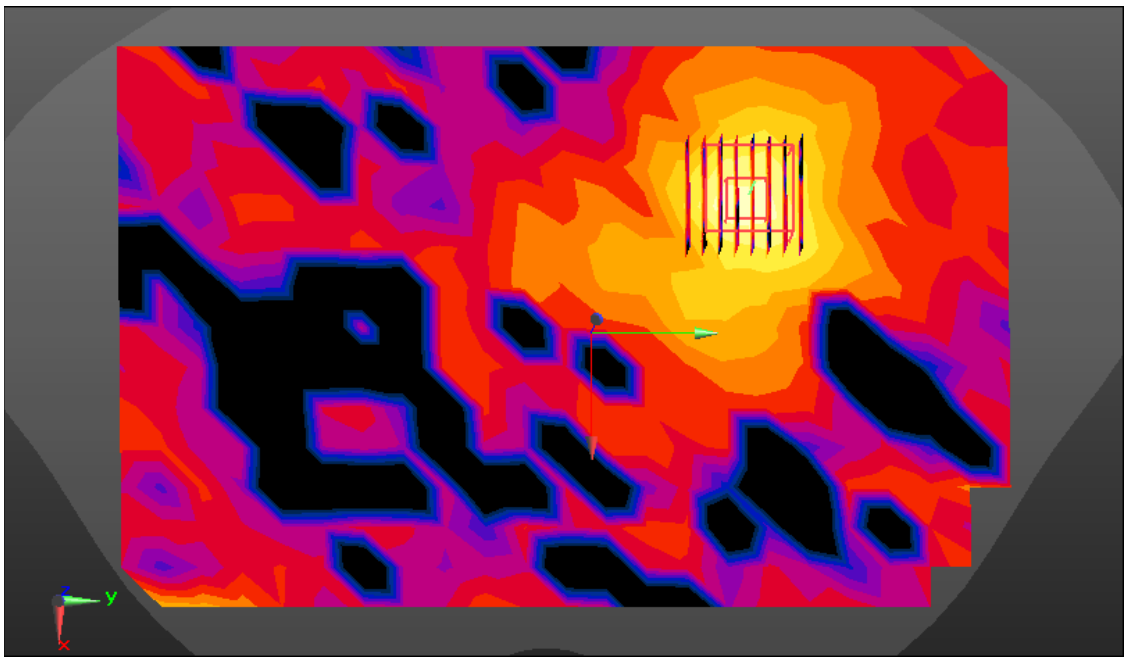
Test Date: 2019-03-07; Ambient Temp: 20.3; Tissue Temp: 20.5

1 cm space from Body, Rear, WLAN(802.11a) Ch. 157, Ant. Internal, Ant.2

Area Scan (15x23x1): Measurement grid: dx=10mm, dy=10mm
Zoom Scan (8x8x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm, Graded Ratio: 1.4
Power Drift = -0.02 dB
Peak SAR (extrapolated) = 1.89 W/kg
SAR(1 g) = 0.369 W/kg; SAR(10 g) = 0.097 W/kg



0 dB = 0.960 W/kg



Enlarged Plot for A44

DT&C Co., Ltd.

DUT: LM-V500EM; Type: Bar

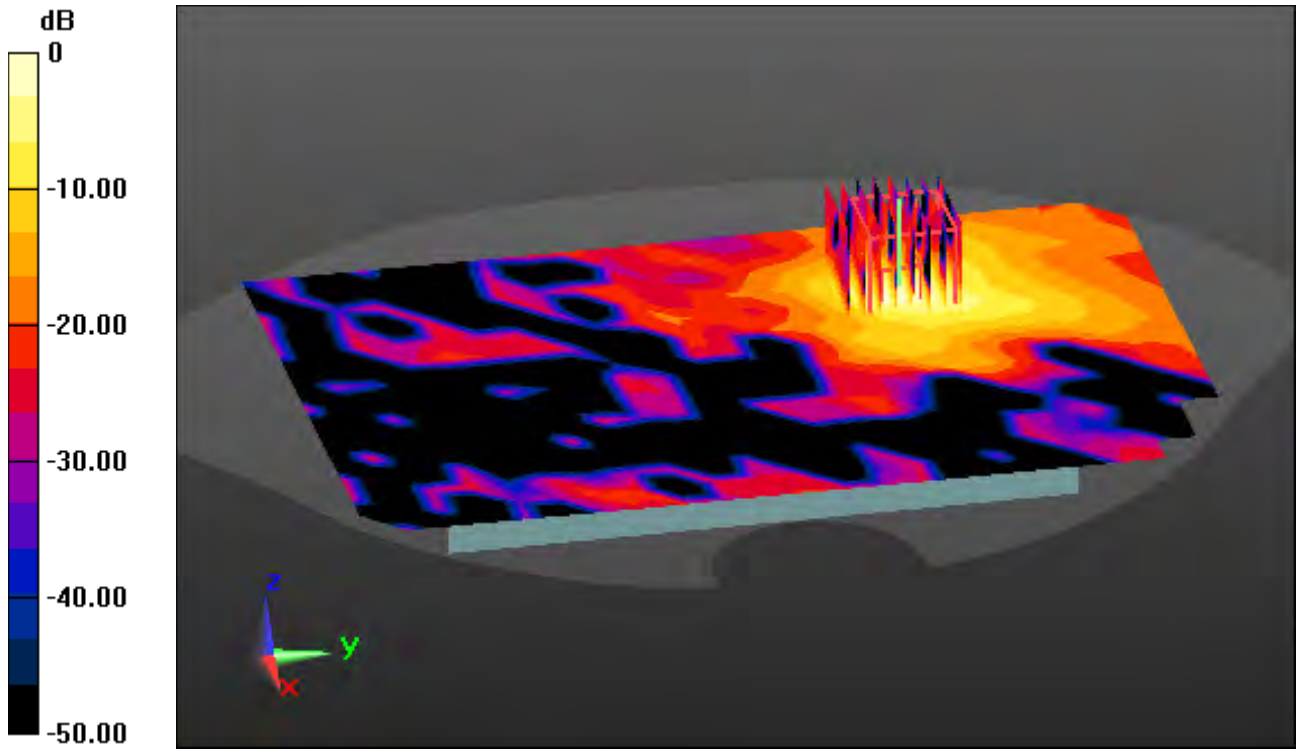
Communication System: UID 0, 00_5GHz W-LAN (0); Frequency: 5745 MHz; Duty Cycle: 1:1
Medium parameters used: f = 5745 MHz; σ = 5.911 S/m; ε_r = 48.764; ρ = 1000 kg/m^3
Phantom section: Flat Section

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

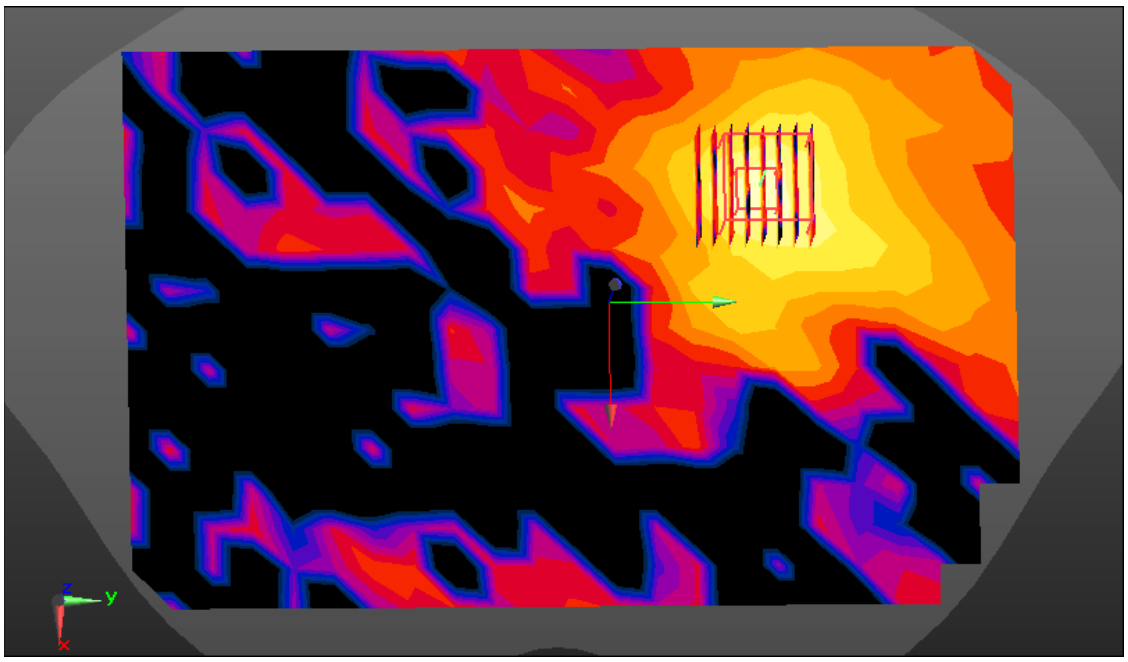
Test Date: 2019-03-07; Ambient Temp: 20.3; Tissue Temp: 20.5

1 cm space from Body, Rear, WLAN(802.11a) Ch. 149, Ant. Internal, MIMO

Area Scan (15x23x1): Measurement grid: dx=10mm, dy=10mm
Zoom Scan (8x8x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm, Graded Ratio: 1.4
Power Drift = 0.19 dB
Peak SAR (extrapolated) = 1.52 W/kg
SAR(1 g) = 0.315 W/kg; SAR(10 g) = 0.090 W/kg



0 dB = 0.810 W/kg



Enlarged Plot for A45

DT&C Co., Ltd.

DUT: LM-V500EM; Type: Bar

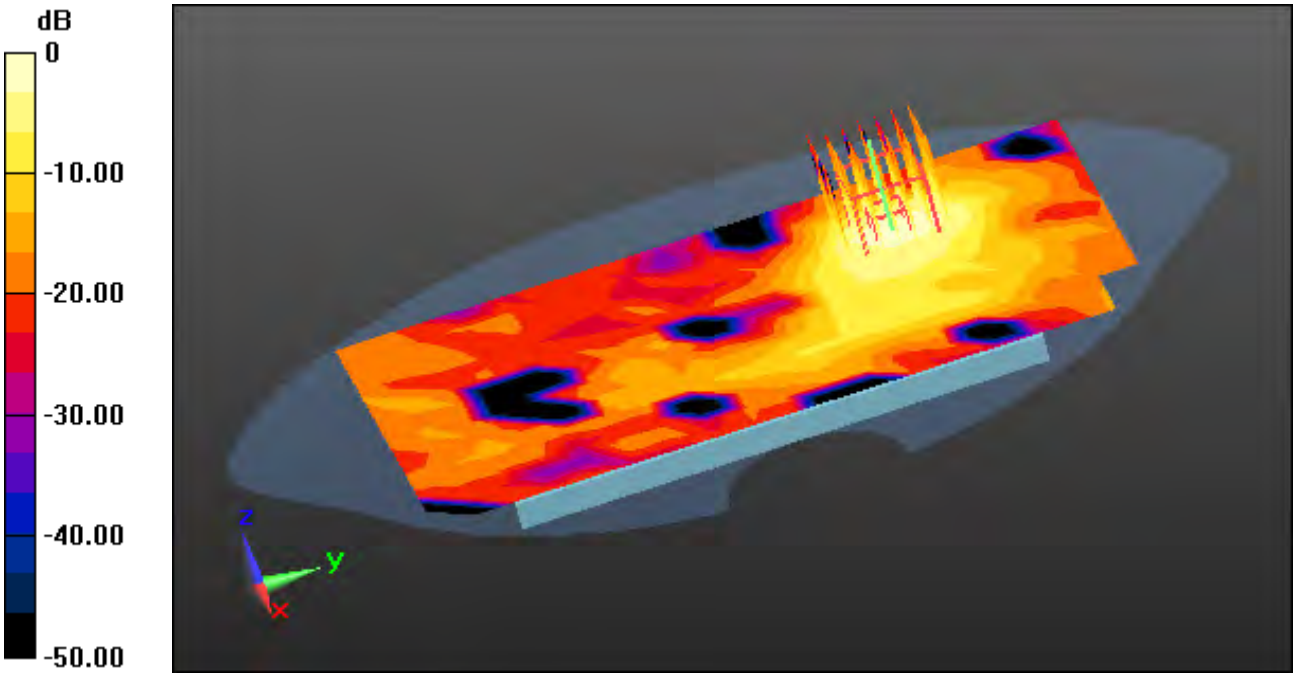
Communication System: UID 0, Bluetooth (0); Frequency: 2441 MHz; Duty Cycle: 1:1.3
Medium parameters used: f = 2441 MHz; σ = 1.963 S/m; ε_r = 53.548; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:
Probe: ES3DV3 - SN3327; ConvF(4.5, 4.5, 4.5); Calibrated: 8/28/2018; Electronics: DAE3 Sn520
Sensor-Surface: 3mm (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)

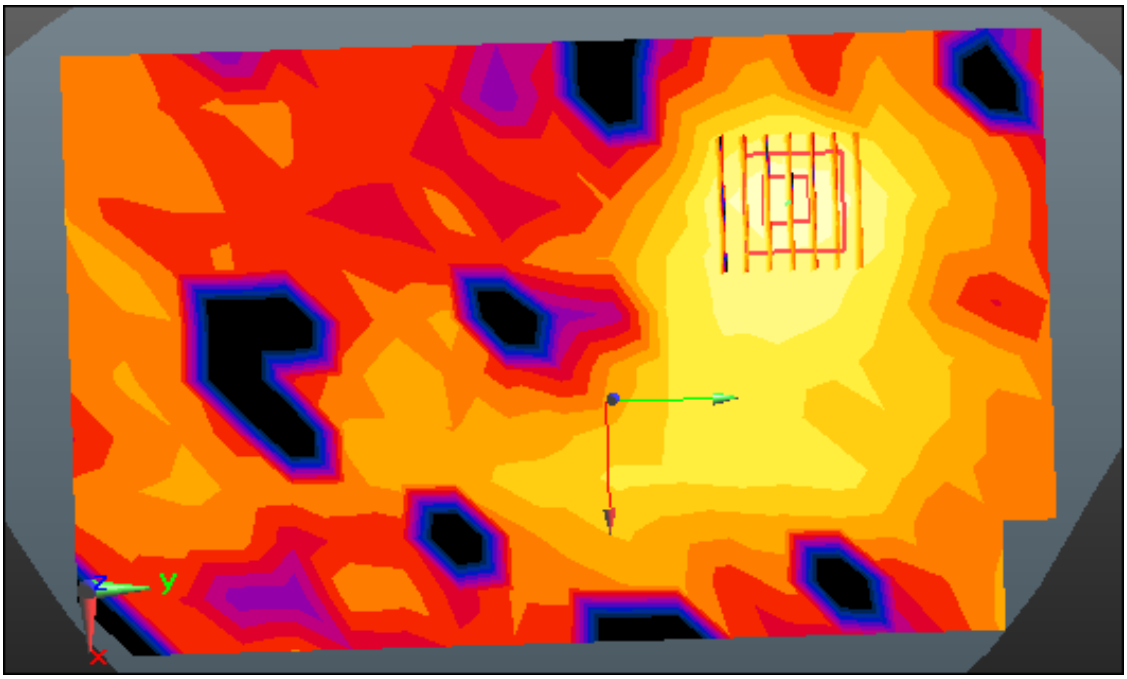
Test Date: 2019-03-12; Ambient Temp: 21.2; Tissue Temp: 21.3

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

Area Scan (12x19x1): Measurement grid: dx=12mm, dy=12mm
Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Power Drift = 0.00 dB
Peak SAR (extrapolated) = 0.0500 W/kg
SAR(1 g) = 0.022 W/kg; SAR(10 g) = 0.00979 W/kg



0 dB = 0.0293 W/kg



Enlarged Plot for A46

DT&C Co., Ltd.

DUT: LM-V500EM; Type: Bar

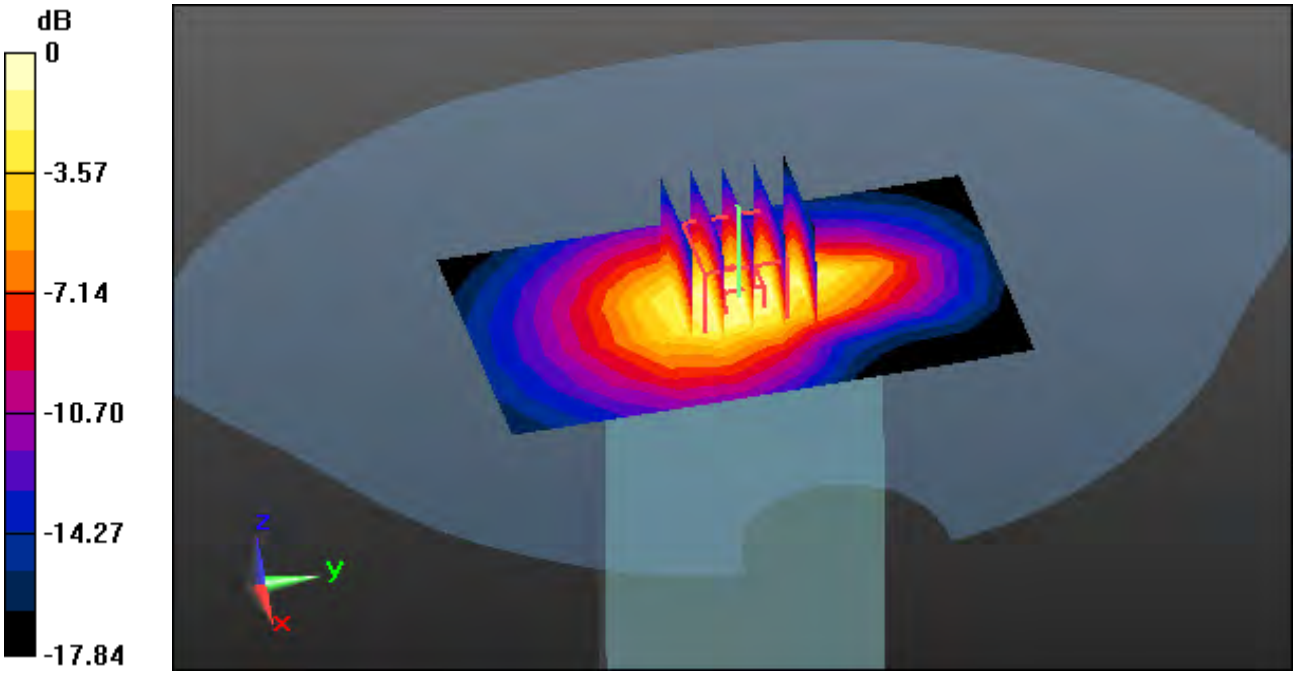
Communication System: UID 0, PCS1900_3 Tx (0); Frequency: 1880 MHz; Duty Cycle: 1:2.77
Medium parameters used: f = 1880 MHz; σ = 1.507 S/m; ε_r = 54.564; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:
Probe: ES3DV3 - SN3327; ConvF(4.91, 4.91, 4.91); Calibrated: 8/28/2018; Electronics: DAE3 Sn520
Sensor-Surface: 3mm (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)

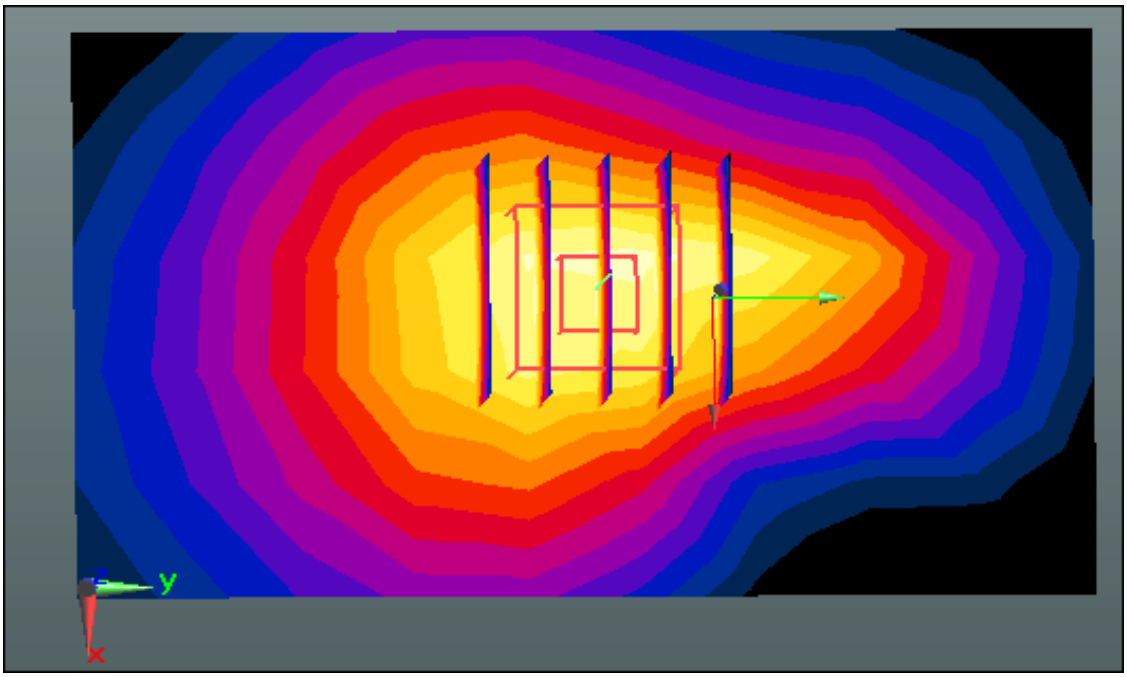
Test Date: 2019-03-02; Ambient Temp: 21.2; Tissue Temp: 21.5

1cm space from Body, Bottom, PCS1900 GPRS 3Tx Ch. 661, 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 = -0.19 dB
Peak SAR (extrapolated) = 0.713 W/kg
SAR(1 g) = 0.442 W/kg; SAR(10 g) = 0.246 W/kg



0 dB = 0.541 W/kg



Enlarged Plot for A47

DT&C Co., Ltd.

DUT: LM-V500EM; Type: Bar

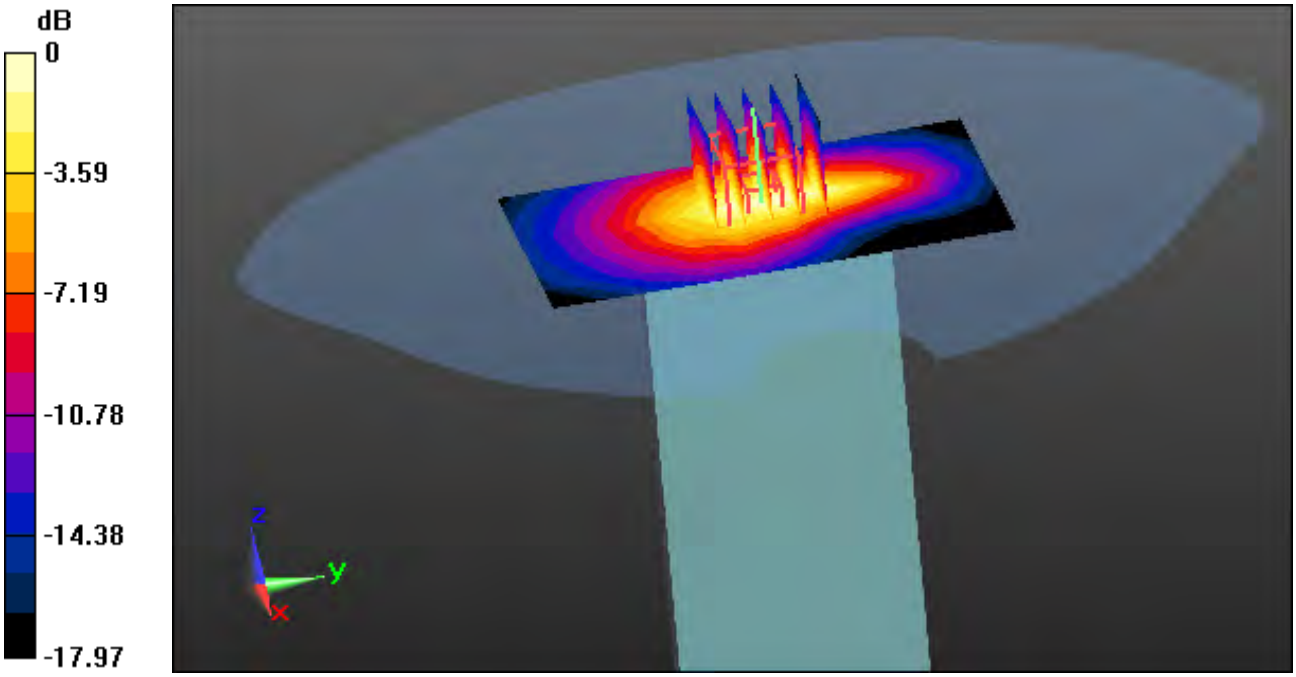
Communication System: UID 0, WCDMA 1900 (0); Frequency: 1880 MHz; Duty Cycle: 1:1
Medium parameters used: f = 1880 MHz; σ = 1.514 S/m; ε_r = 55.227; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:
Probe: ES3DV3 - SN3327; ConvF(4.91, 4.91, 4.91); Calibrated: 8/28/2018; Electronics: DAE3 Sn520
Sensor-Surface: 3mm (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)

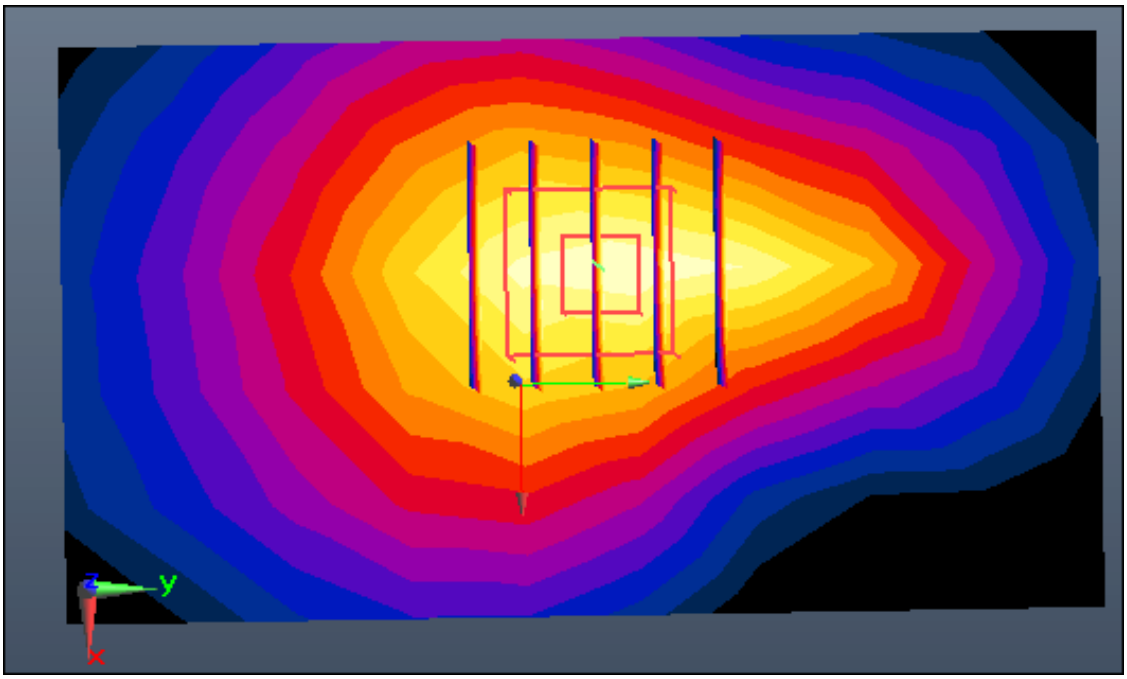
Test Date: 2019-03-05; Ambient Temp: 21.3; Tissue Temp: 21.5

1cm space from Body, Bottom, WCDMA1900 Ch. 9400, 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 = -0.05 dB
Peak SAR (extrapolated) = 1.12 W/kg
SAR(1 g) = 0.679 W/kg; SAR(10 g) = 0.377 W/kg



0 dB = 0.848 W/kg



Enlarged Plot for A48

DUT: LM-V500EM; 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 = 1.473 S/m; ε_r = 55.472; ρ = 1000 kg/m^3
Phantom section: Flat Section

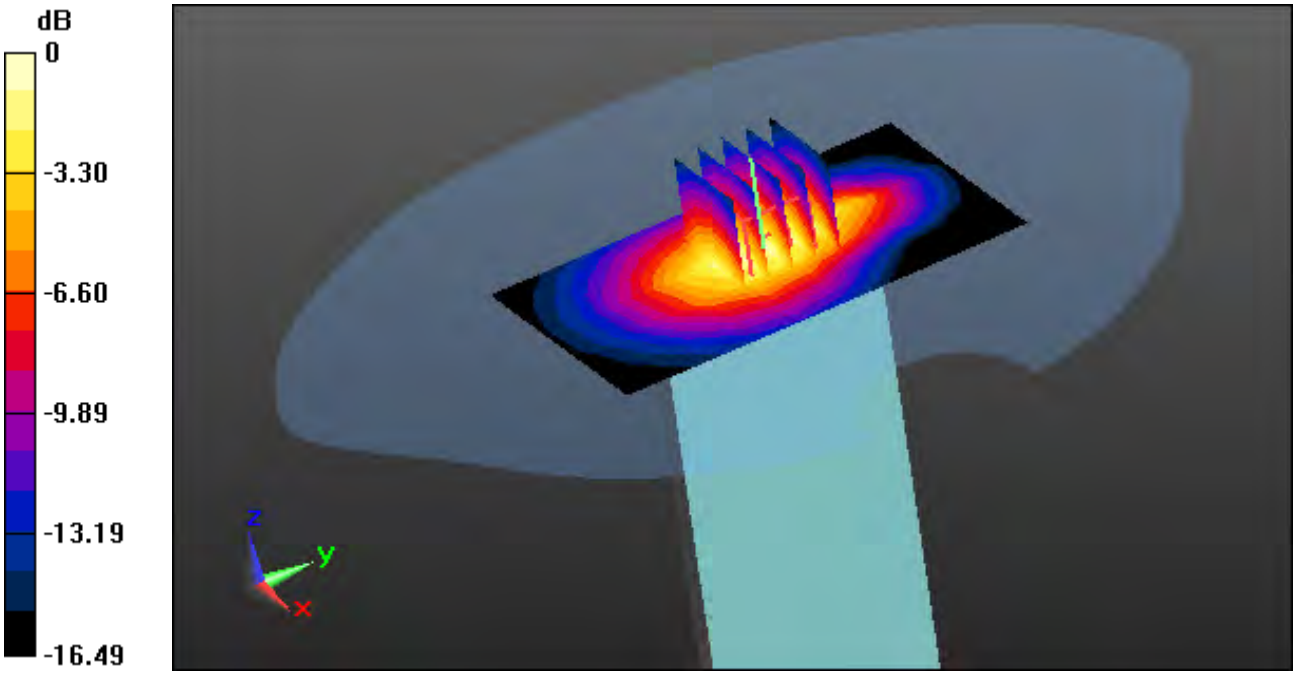
DASY5 Configuration:
Probe: ES3DV3 - SN3327; ConvF(5.15, 5.15, 5.15); Calibrated: 8/28/2018; Electronics: DAE3 Sn520
Sensor-Surface: 3mm (Mechanical Surface Detection)
Phantom: SAM-twin right_2013_09_24; Type: QD000P40CD; Serial: TP:1783
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2019-03-07; Ambient Temp: 21.4; Tissue Temp: 21.3

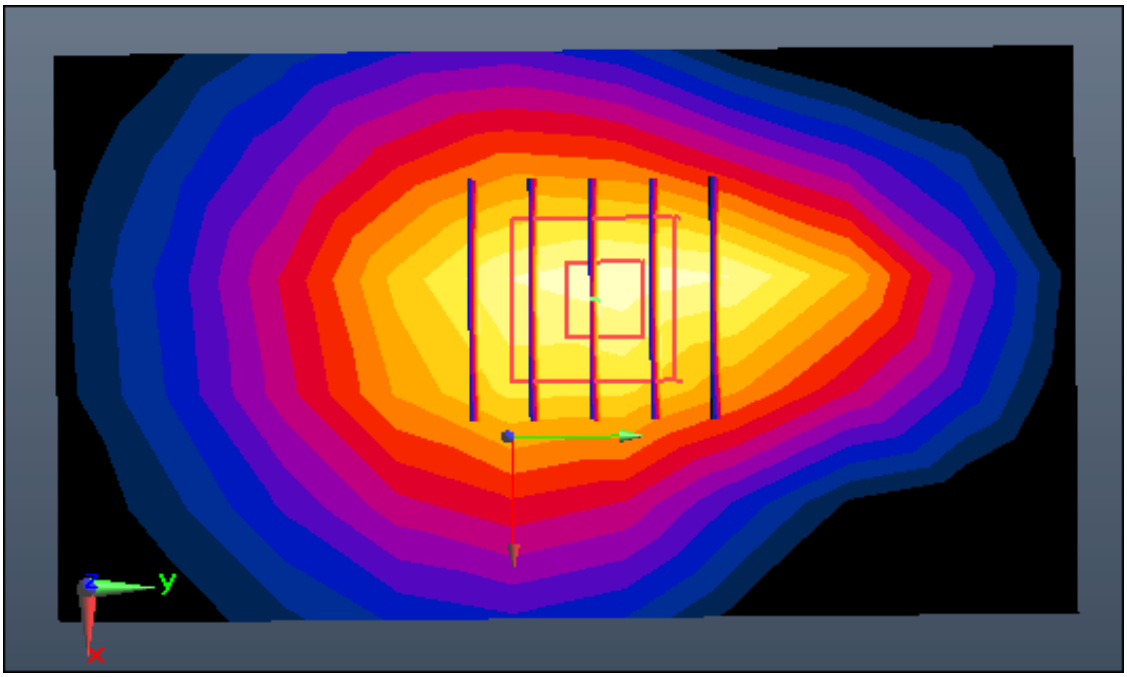
1cm space from Body, Bottom, LTE Band 4 Ch. 20175, Ant Internal

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 = -0.08 dB
Peak SAR (extrapolated) = 0.982 W/kg
SAR(1 g) = 0.615 W/kg; SAR(10 g) = 0.351 W/kg



0 dB = 0.751 W/kg



Enlarged Plot for A49

DT&C Co., Ltd.

DUT: LM-V500EM; Type: Bar

Communication System: UID 0, LTE Band 2 (0); Frequency: 1880 MHz;Duty Cycle: 1:1
Medium parameters used: f = 1880 MHz; σ = 1.51 S/m; ε_r = 55.222; ρ = 1000 kg/m^3
Phantom section: Flat Section

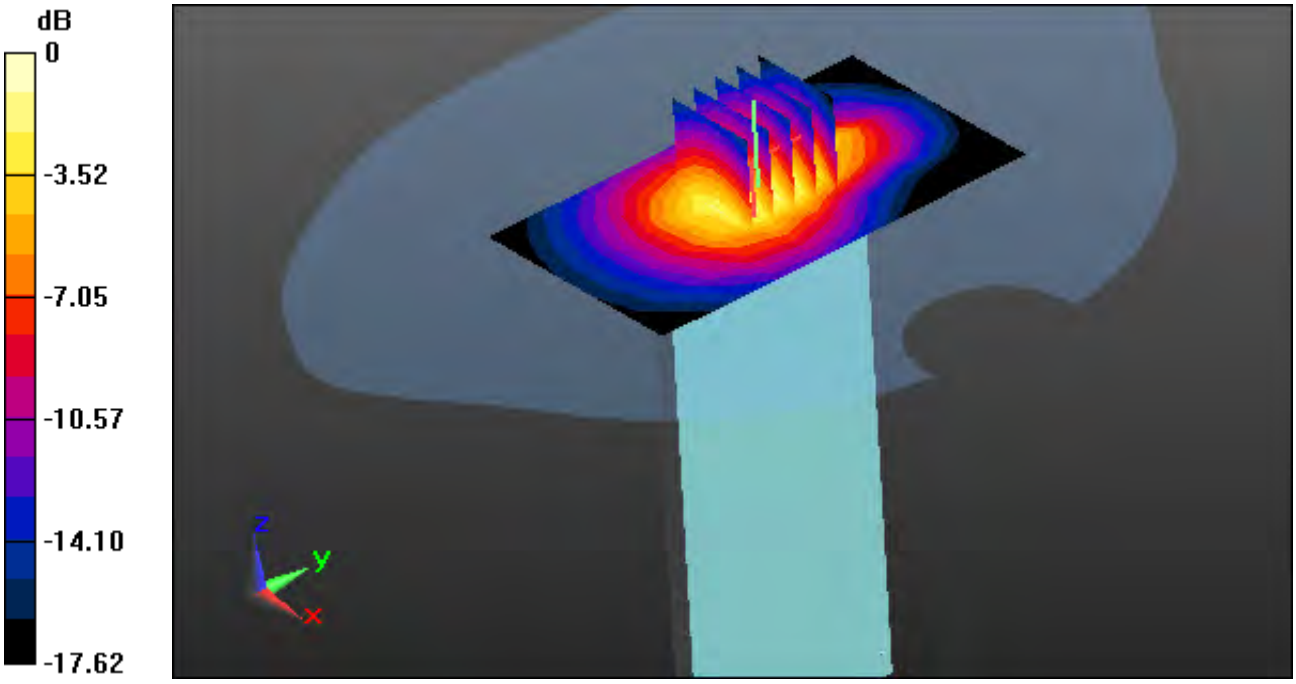
DASY5 Configuration:
Probe: ES3DV3 - SN3327; ConvF(4.91, 4.91, 4.91); Calibrated: 8/28/2018; Electronics: DAE3 Sn520
Sensor-Surface: 3mm (Mechanical Surface Detection)
Phantom: SAM-twin right_2013_09_24; Type: QD000P40CD; Serial: TP:1783
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2019-03-06; Ambient Temp: 21.2; Tissue Temp: 21.4

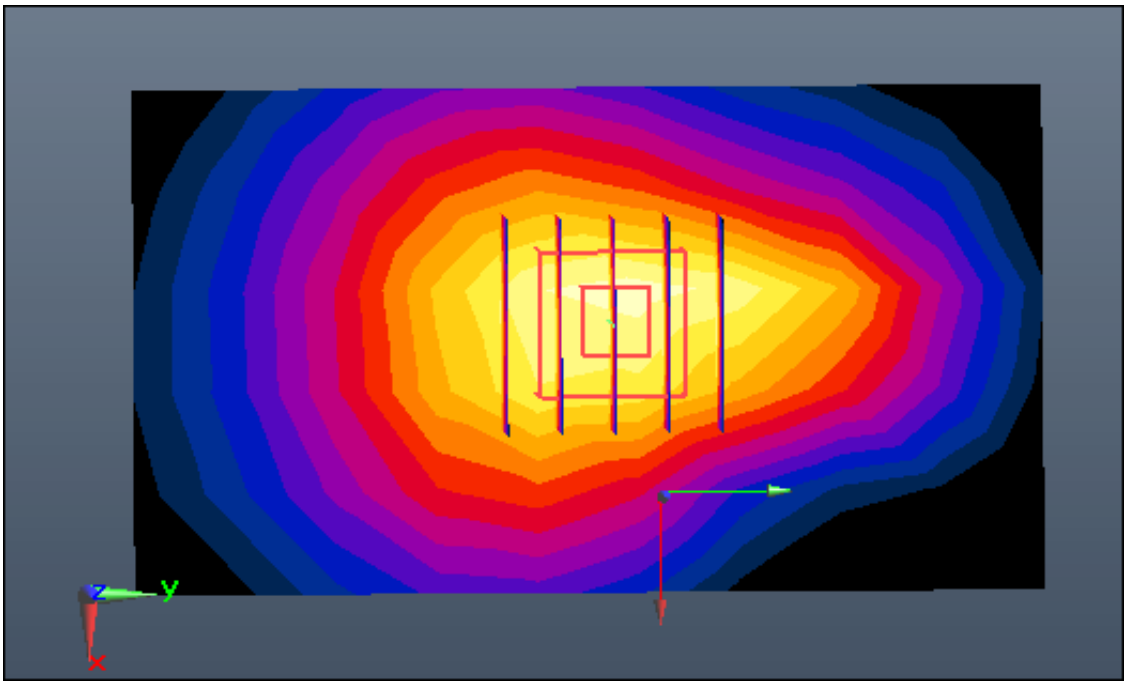
1cm space from Body, Bottom, LTE Band 2 Ch. 18900, Ant Internal

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 = -0.12 dB
Peak SAR (extrapolated) = 1.58 W/kg
SAR(1 g) = 0.974 W/kg; SAR(10 g) = 0.548 W/kg



0 dB = 1.20 W/kg



Enlarged Plot for A50

DT&C Co., Ltd.

DUT: LM-V500EM; Type: Bar

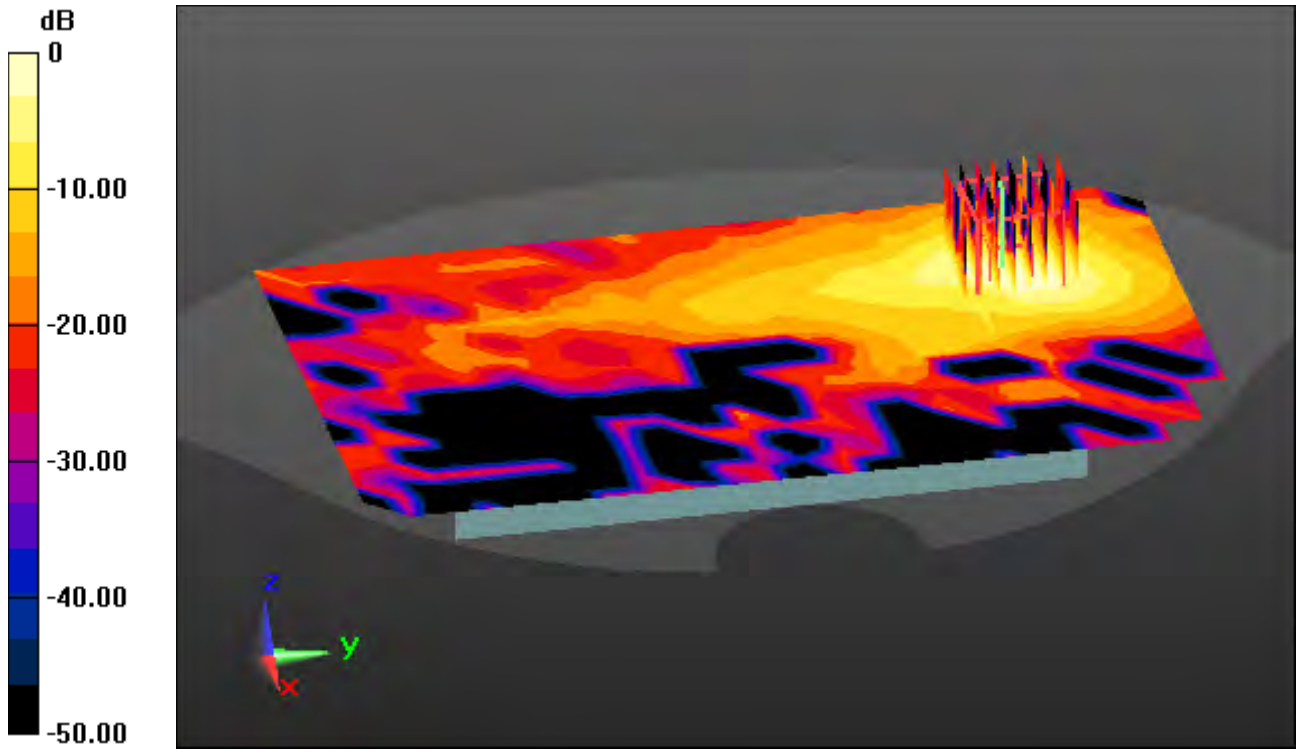
Communication System: UID 0, 00_5GHz W-LAN (0); Frequency: 5180 MHz; Duty Cycle: 1:1
Medium parameters used: f = 5180 MHz; σ = 5.168 S/m; ε_r = 48.925; ρ = 1000 kg/m^3
Phantom section: Flat Section

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

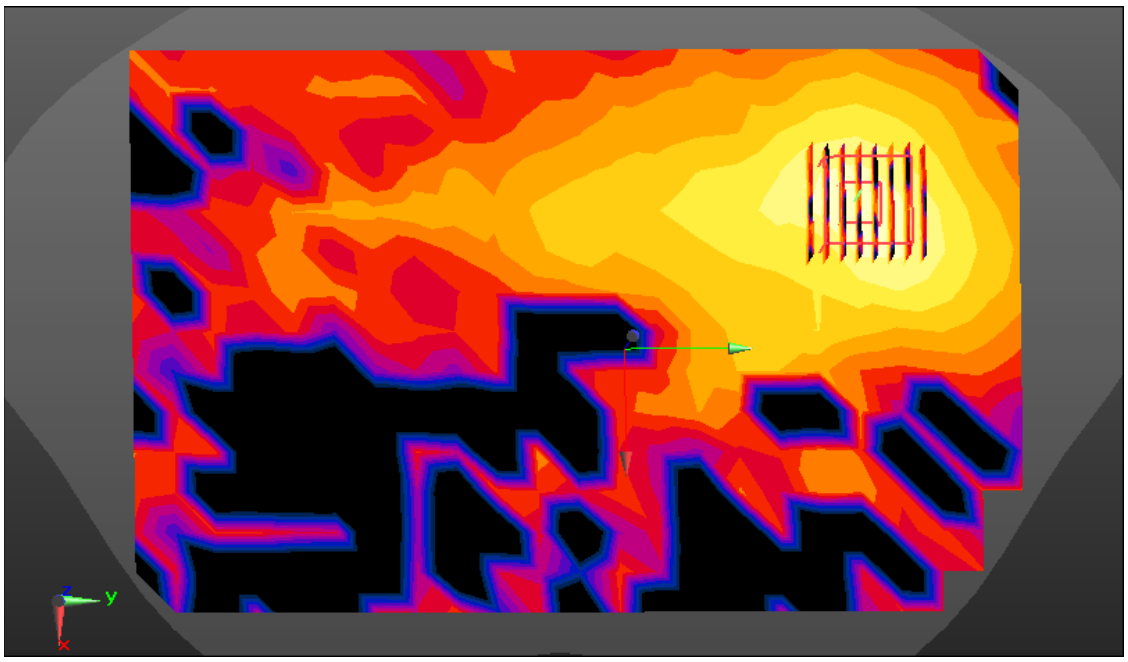
Test Date: 2019-03-04; Ambient Temp: 20.5; Tissue Temp: 20.7

1 cm space from Body, Rear, WLAN(802.11a) Ch. 36, Ant. Internal, Ant.1

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) = 0.782 W/kg
SAR(1 g) = 0.196 W/kg; SAR(10 g) = 0.068 W/kg



0 dB = 0.462 W/kg



Enlarged Plot for A51

DT&C Co., Ltd.

DUT: LM-V500EM; Type: Bar

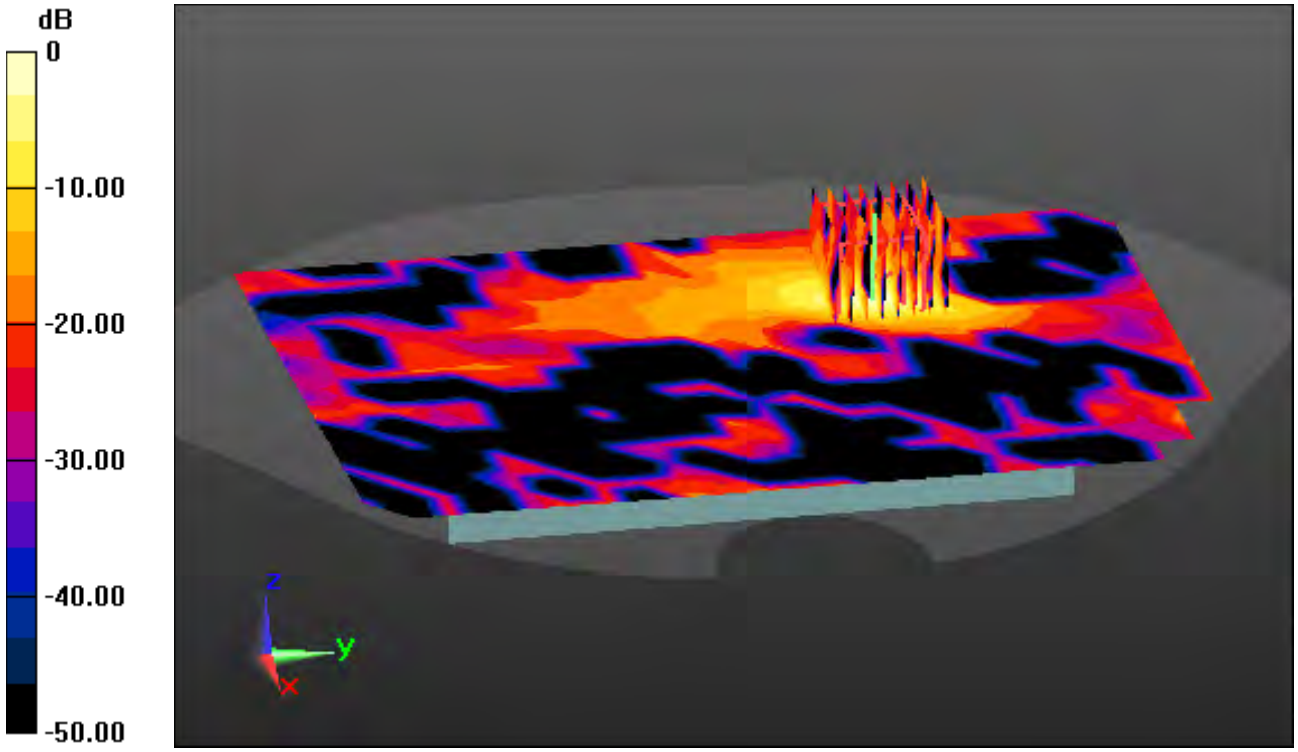
Communication System: UID 0, 00_5GHz W-LAN (0); Frequency: 5240 MHz; Duty Cycle: 1:1
Medium parameters used: f = 5240 MHz; σ = 5.245 S/m; ε_r = 48.785; ρ = 1000 kg/m^3
Phantom section: Flat Section

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

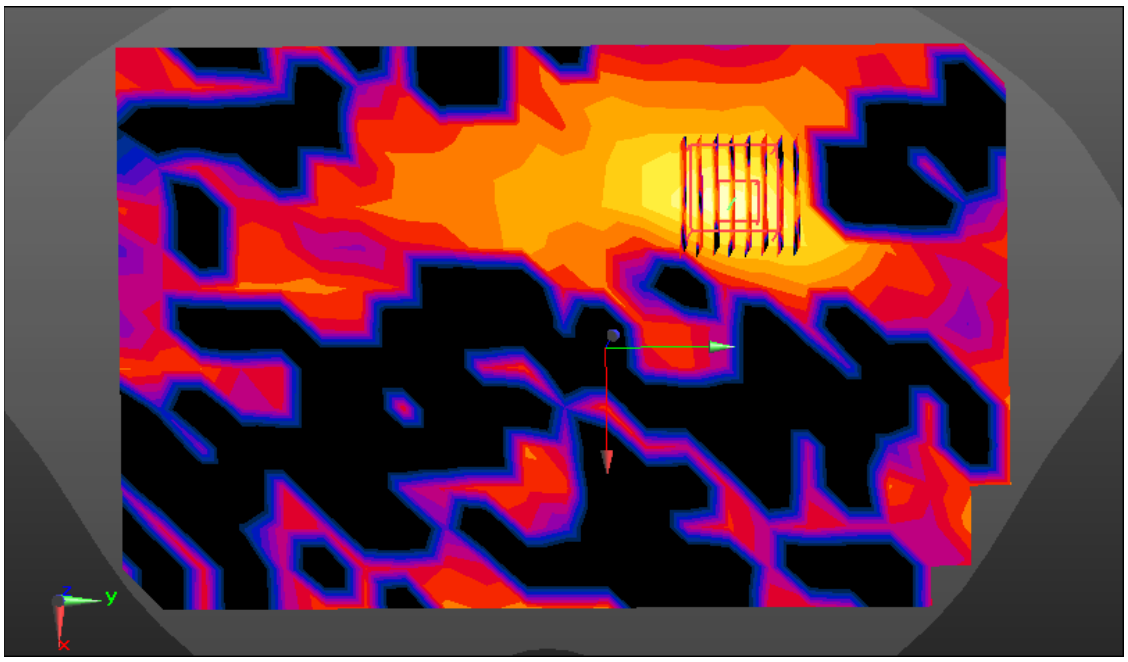
Test Date: 2019-03-04; Ambient Temp: 20.5; Tissue Temp: 20.7

1 cm space from Body, Rear, WLAN(802.11a) Ch. 48, Ant. Internal, Ant.2

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 = 0.07 dB
Peak SAR (extrapolated) = 2.03 W/kg
SAR(1 g) = 0.179 W/kg; SAR(10 g) = 0.044 W/kg



0 dB = 0.441 W/kg



Enlarged Plot for A52

DT&C Co., Ltd.

DUT: LM-V500EM; Type: Bar

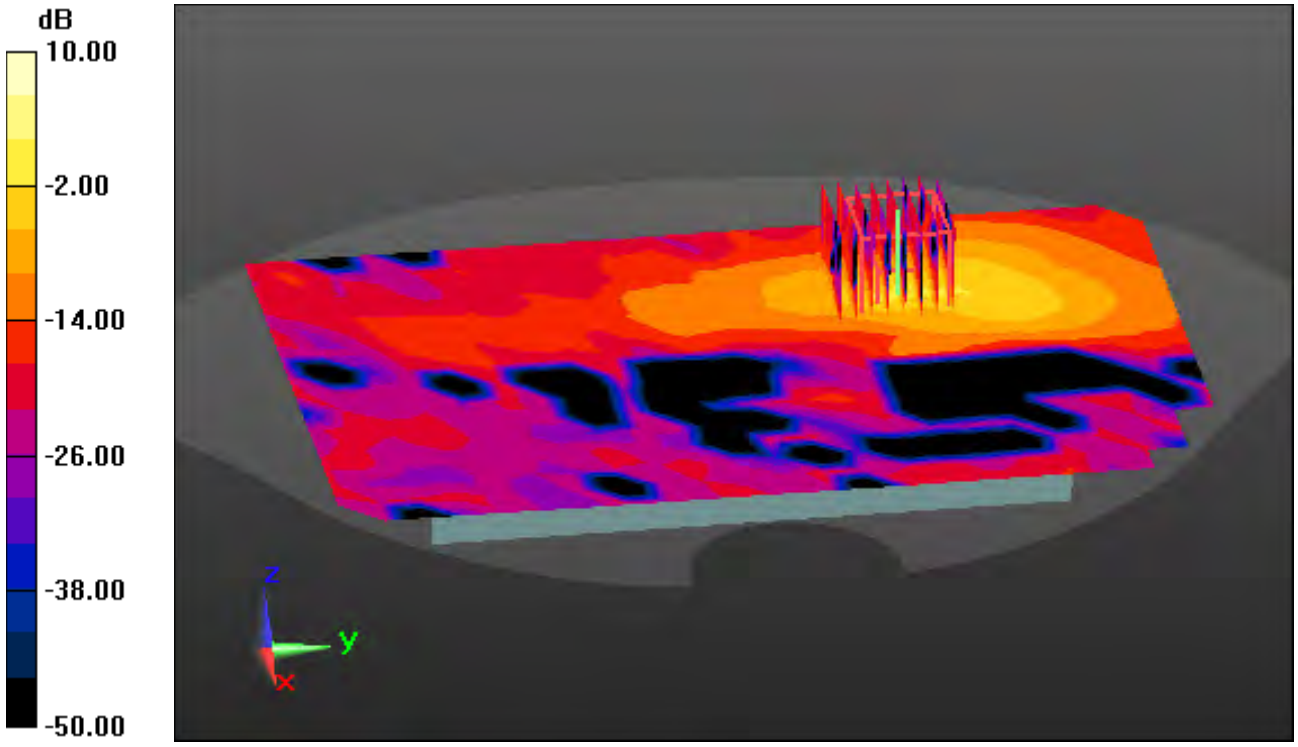
Communication System: UID 0, 00_5GHz W-LAN (0); Frequency: 5240 MHz; Duty Cycle: 1:1
Medium parameters used: f = 5240 MHz; σ = 5.245 S/m; ε_r = 48.785; ρ = 1000 kg/m^3
Phantom section: Flat Section

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

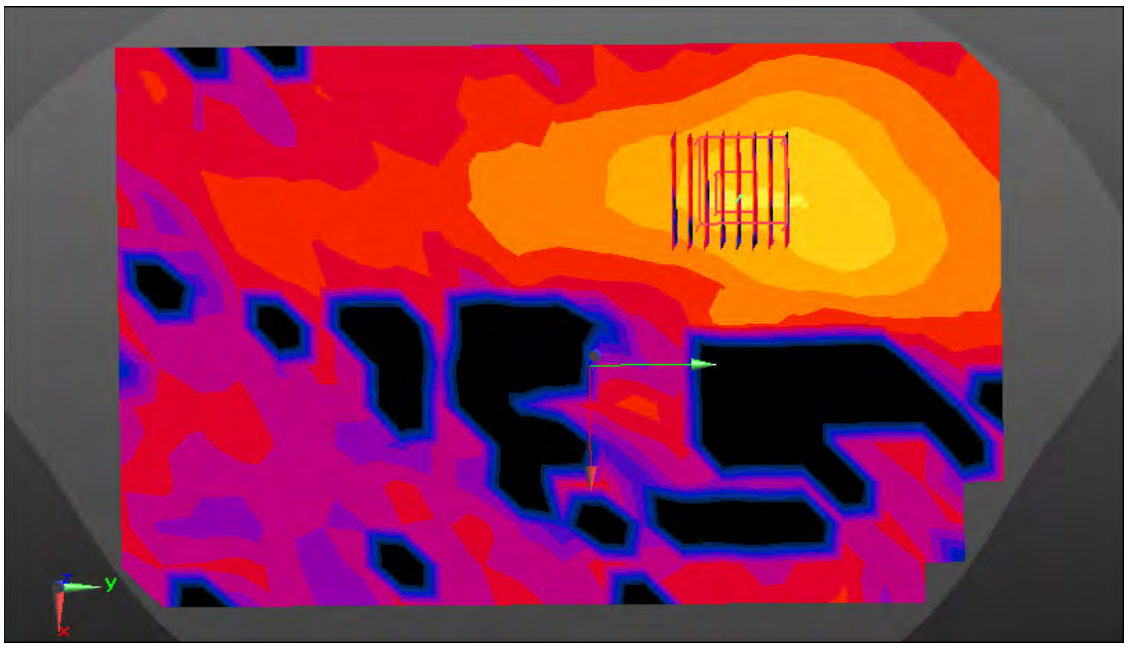
Test Date: 2019-03-04; Ambient Temp: 20.5; Tissue Temp: 20.7

1 cm space from Body, Rear, WLAN(802.11a) Ch. 48, Ant. Internal, MIMO

Area Scan (15x23x1): Measurement grid: dx=10mm, dy=10mm
Zoom Scan (8x8x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm, Graded Ratio: 1.4
Power Drift = 0.19 dB
Peak SAR (extrapolated) = 0.793 W/kg
SAR(1 g) = 0.187 W/kg; SAR(10 g) = 0.058 W/kg



0 dB = 0.463 W/kg



Enlarged Plot for A53

DUT: LM-V500EM; Type: Bar

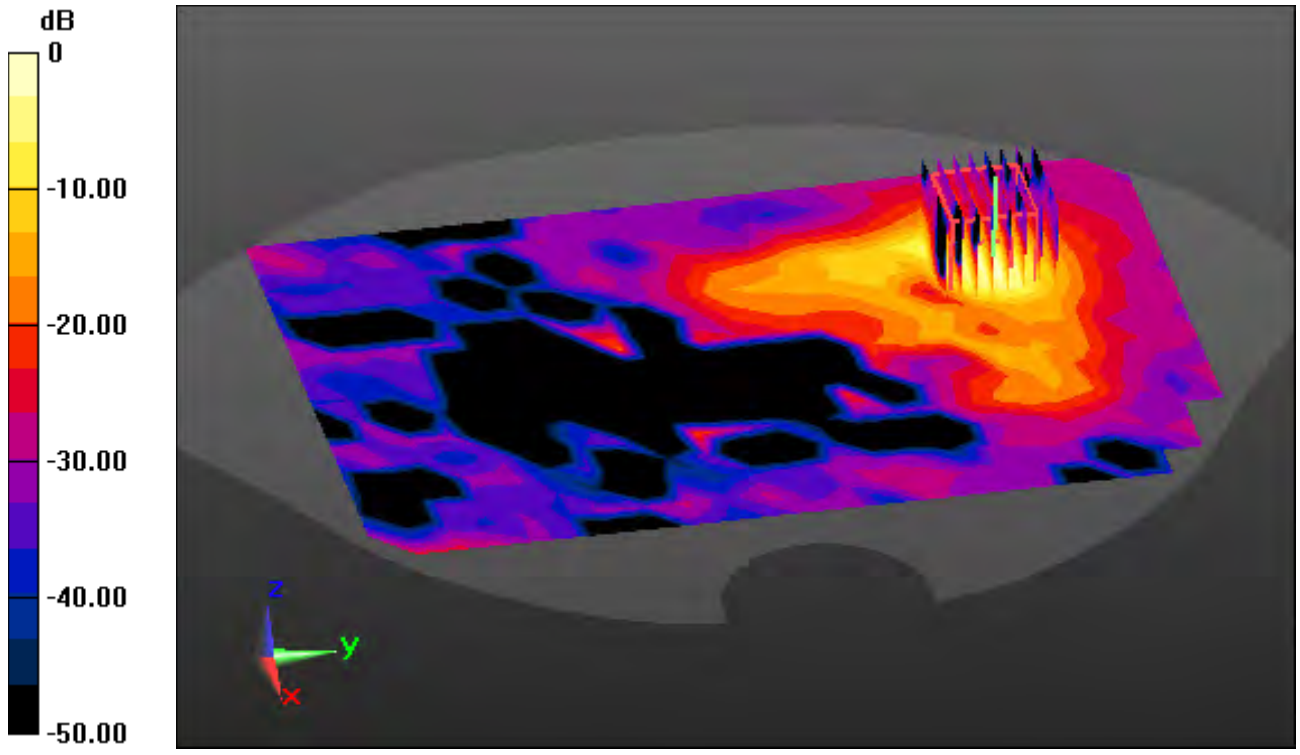
Communication System: UID 0, 00_5GHz W-LAN (0); Frequency: 5280 MHz; Duty Cycle: 1:1
Medium parameters used: f = 5280 MHz; σ = 5.601 S/m; ε_r = 49.196; ρ = 1000 kg/m^3
Phantom section: Flat Section

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

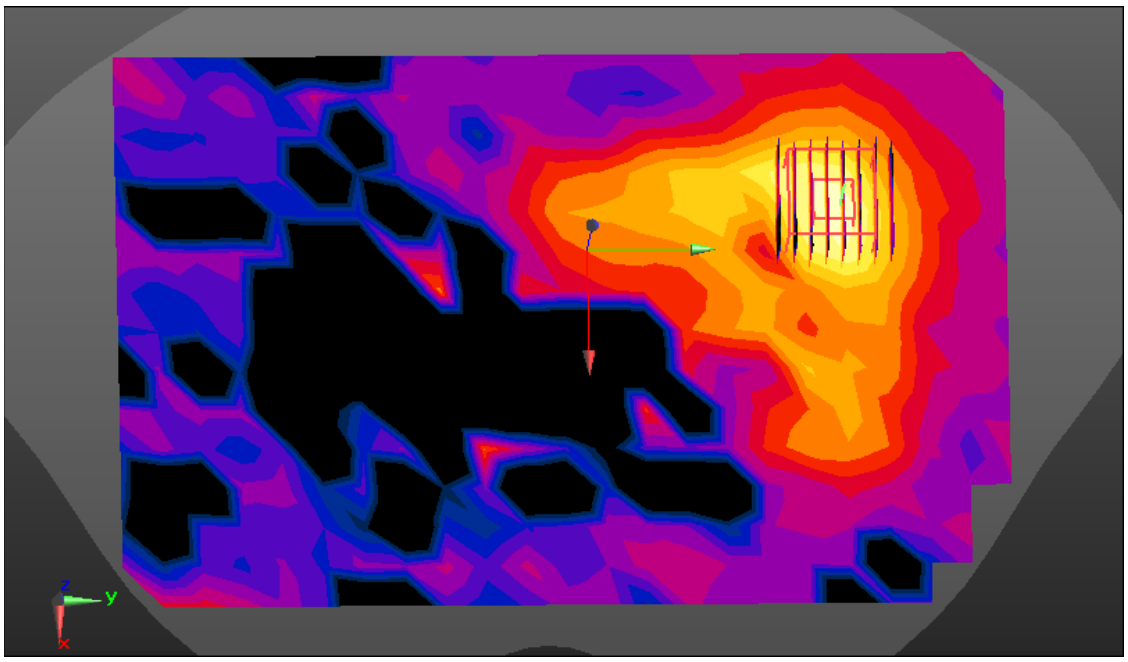
Test Date: 2019-03-05; Ambient Temp: 20.4; Tissue Temp: 20.6

Touch from Body, Rear, WLAN(802.11a) Ch. 56, Ant. Internal, Ant.1

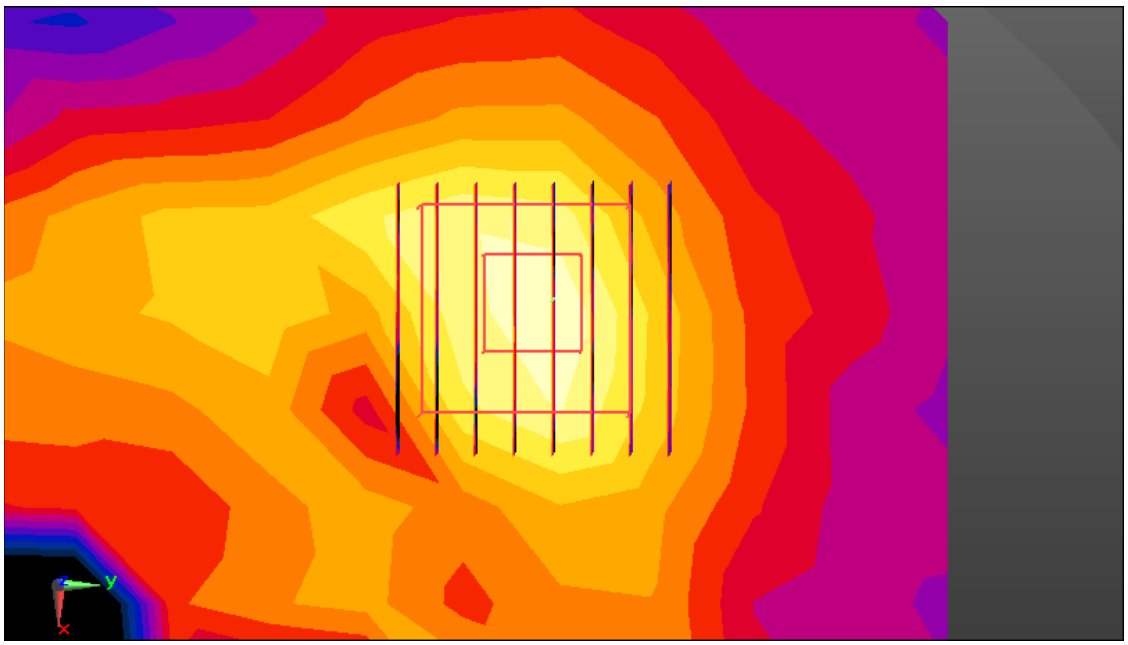
Area Scan (15x23x1): Measurement grid: dx=10mm, dy=10mm
Zoom Scan (8x8x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm, Graded Ratio: 1.4
Power Drift = 0.01 dB
Peak SAR (extrapolated) = 9.36 W/kg
SAR(1 g) = 1.99 W/kg; SAR(10 g) = 0.588 W/kg



0 dB = 5.03 W/kg



Enlarged Plot for A54



Enlarged Plot for A54

DUT: LM-V500EM; Type: Bar

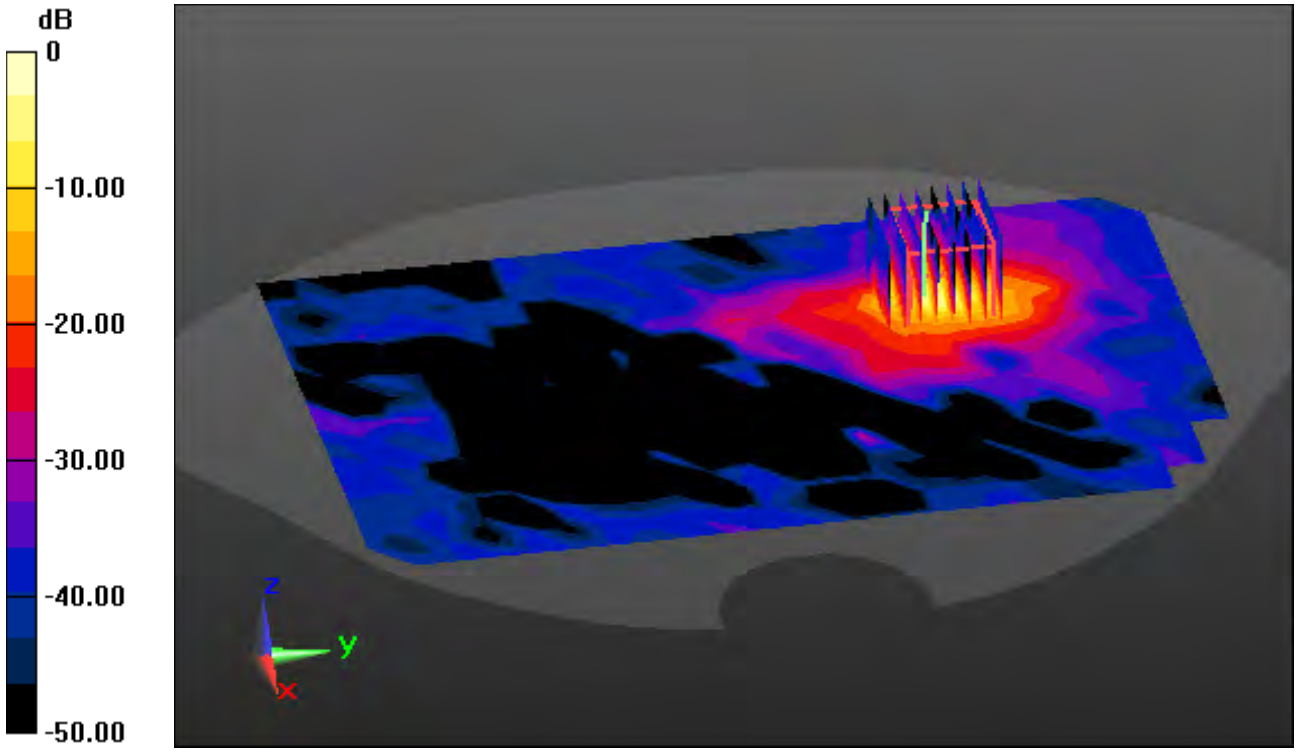
Communication System: UID 0, 00_5GHz W-LAN (0); Frequency: 5320 MHz; Duty Cycle: 1:1
Medium parameters used: f = 5320 MHz; σ = 5.66 S/m; ε_r = 49.108; ρ = 1000 kg/m^3
Phantom section: Flat Section

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

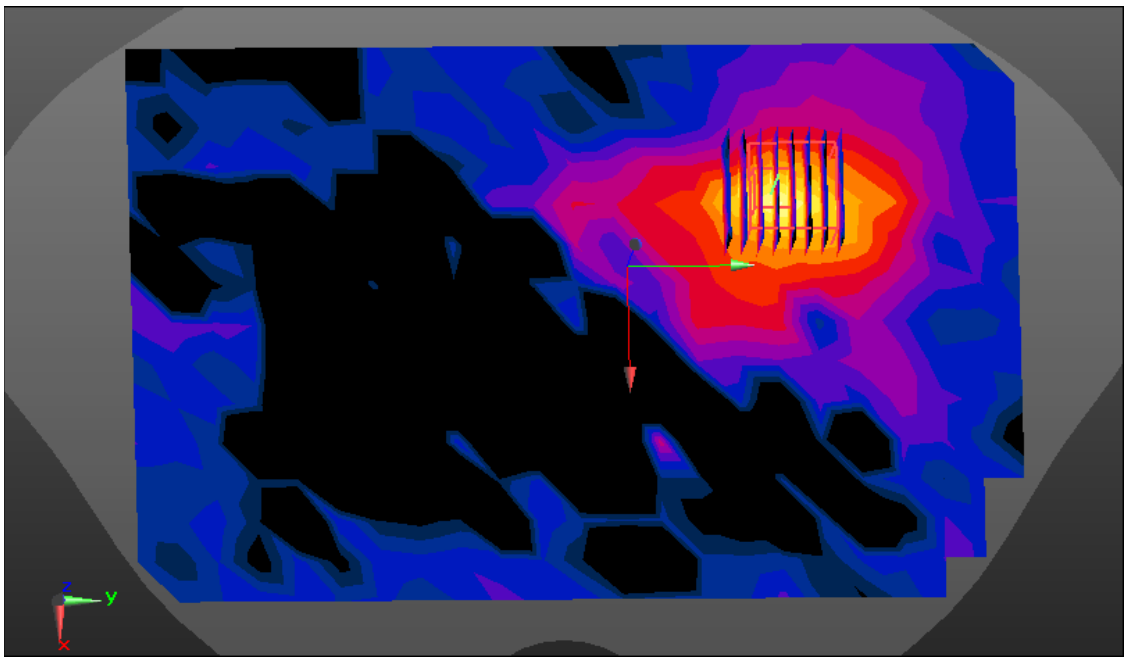
Test Date: 2019-03-05; Ambient Temp: 20.4; Tissue Temp: 20.6

Touch from Body, Rear, WLAN(802.11a) Ch. 64, Ant. Internal, Ant.2

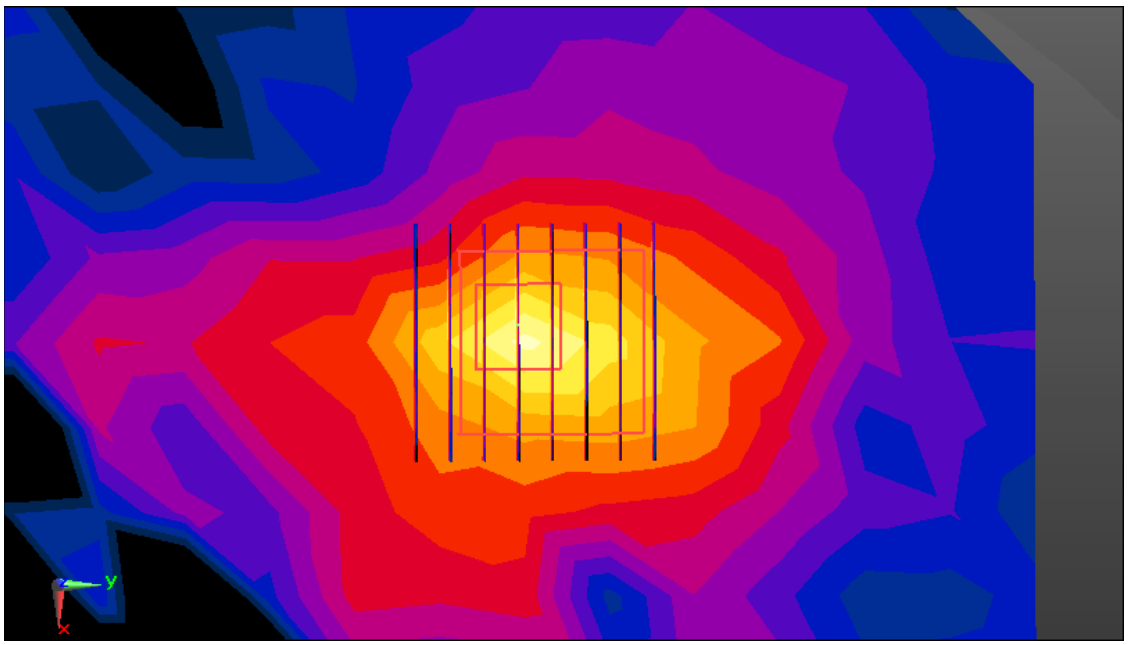
Area Scan (15x23x1): Measurement grid: dx=10mm, dy=10mm
Zoom Scan (8x8x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm, Graded Ratio: 1.4
Power Drift = -0.19 dB
Peak SAR (extrapolated) = 57.1 W/kg
SAR(1 g) = 6.12 W/kg; SAR(10 g) = 1.1 W/kg



0 dB = 28.1 W/kg



Enlarged Plot for A55



Enlarged Plot for A55

DT&C Co., Ltd.

DUT: LM-V500EM; Type: Bar

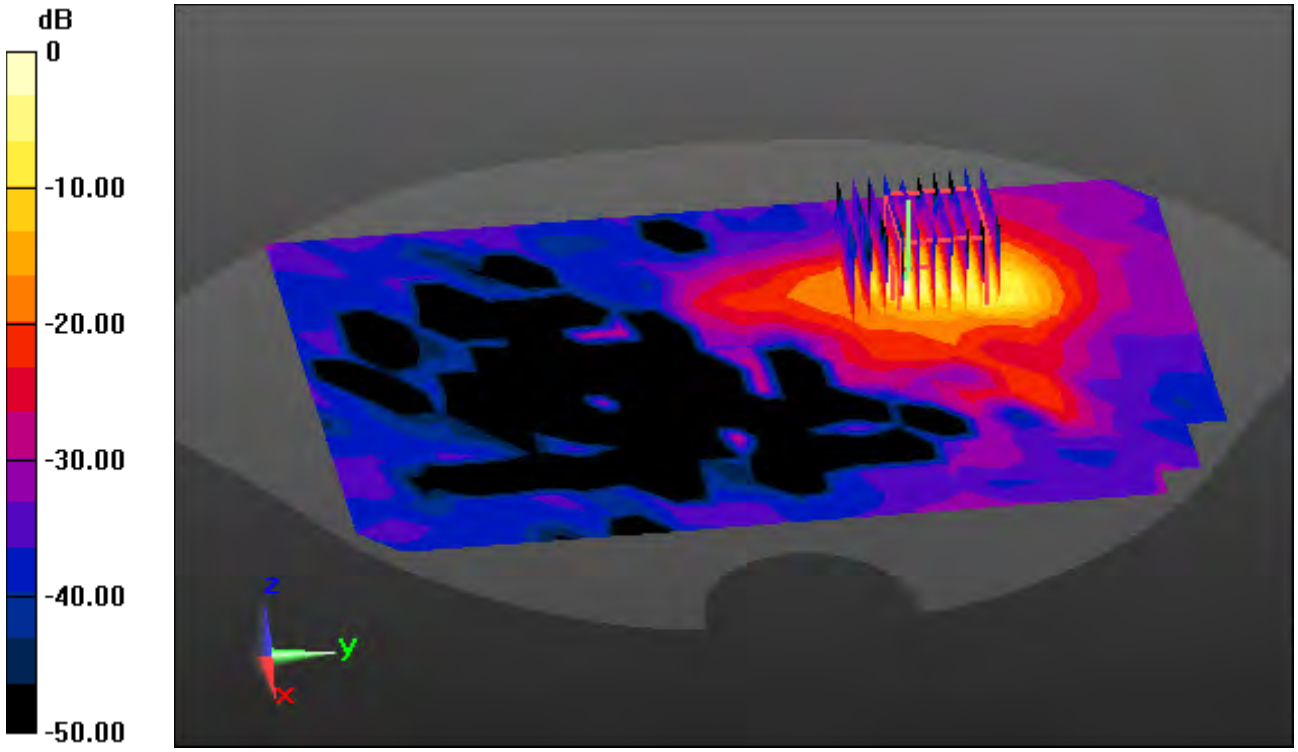
Communication System: UID 0, 00_5GHz W-LAN (0); Frequency: 5320 MHz; Duty Cycle: 1:1
Medium parameters used: f = 5320 MHz; σ = 5.66 S/m; ε_r = 49.108; ρ = 1000 kg/m^3
Phantom section: Flat Section

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

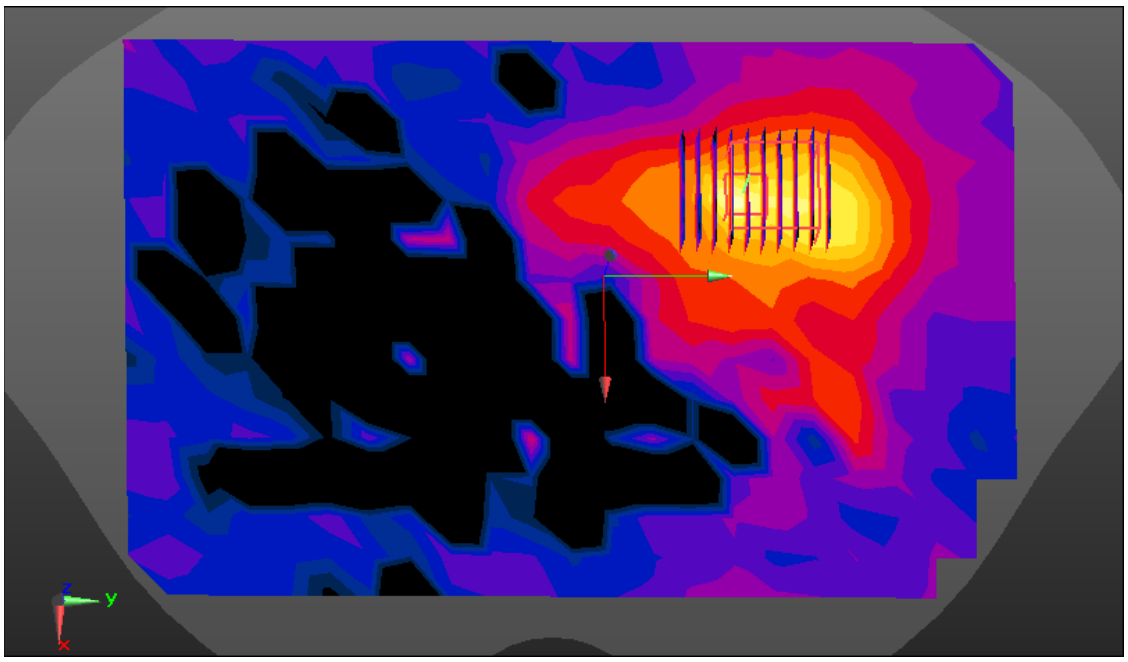
Test Date: 2019-03-05; Ambient Temp: 20.4; Tissue Temp: 20.6

Touch from Body, Rear, WLAN(802.11a) Ch. 64, Ant. Internal, MIMO

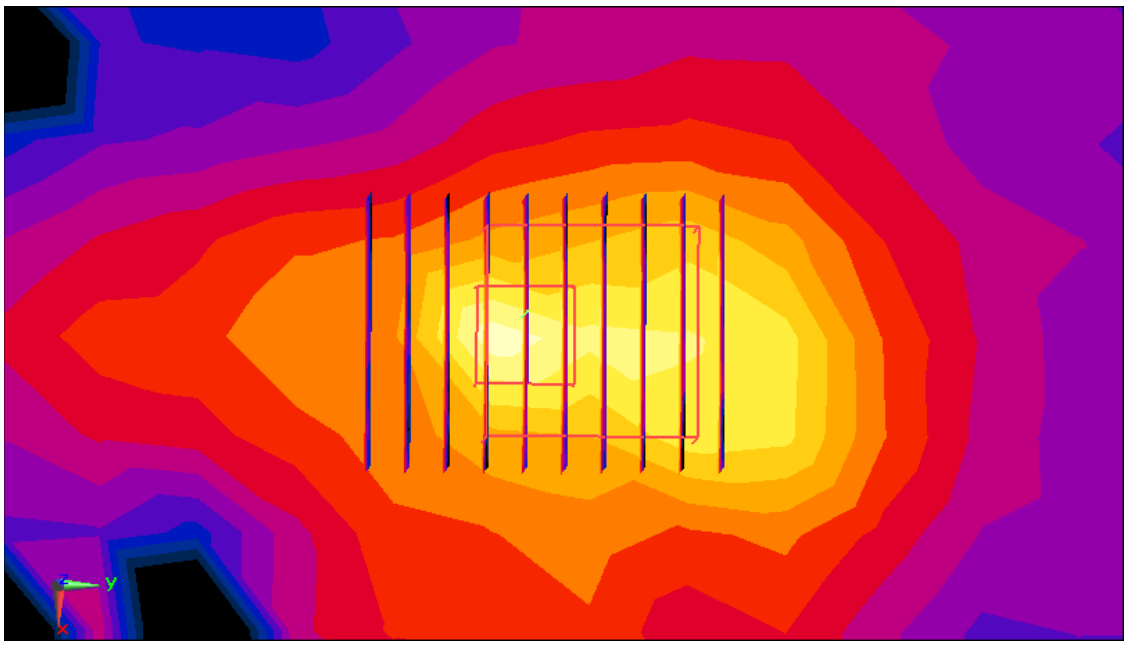
Area Scan (15x23x1): Measurement grid: dx=10mm, dy=10mm
Zoom Scan (8x10x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm, Graded Ratio: 1.4
Power Drift = 0.15 dB
Peak SAR (extrapolated) = 46.2 W/kg
SAR(1 g) = 5.09 W/kg; SAR(10 g) = 1.04 W/kg



0 dB = 20.9 W/kg



Enlarged Plot for A56



Enlarged Plot for A56

DT&C Co., Ltd.

DUT: LM-V500EM; Type: Bar

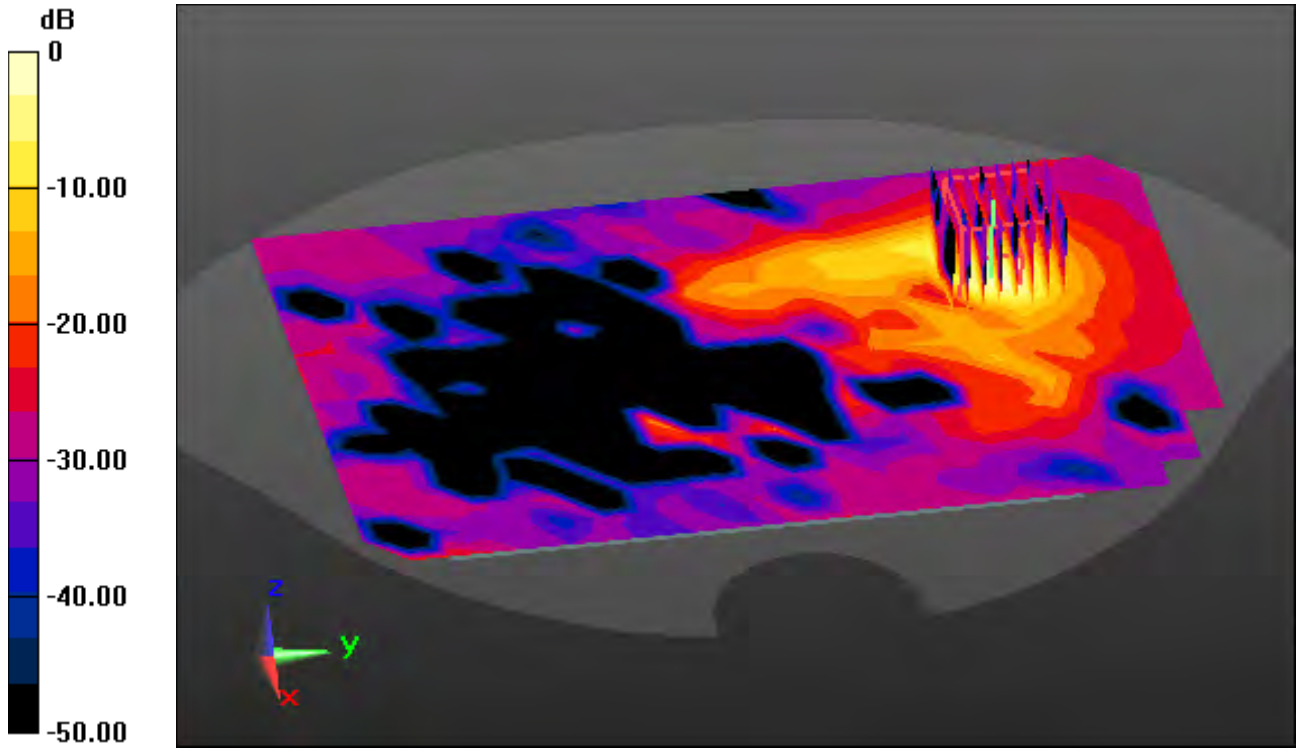
Communication System: UID 0, 00_5GHz W-LAN (0); Frequency: 5720 MHz; Duty Cycle: 1:1
Medium parameters used: f = 5720 MHz; σ = 5.84 S/m; ε_r = 48.85; ρ = 1000 kg/m^3
Phantom section: Flat Section

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

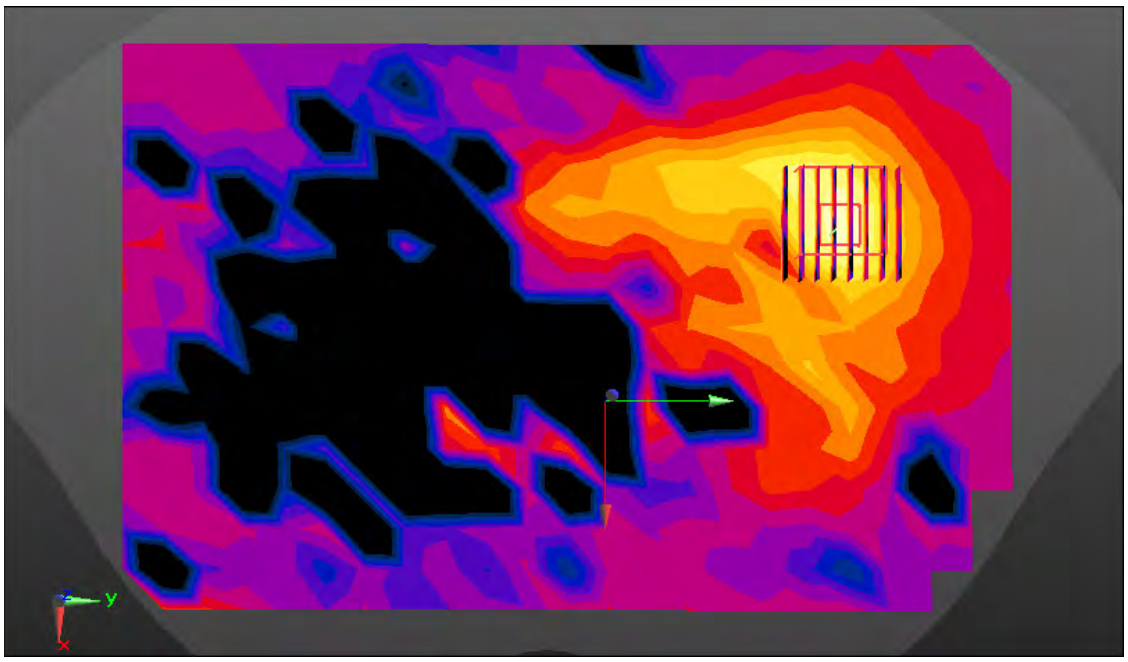
Test Date: 2019-03-06; Ambient Temp: 20.6; Tissue Temp: 20.8

Touch from Body, Rear, WLAN(802.11a) Ch. 144, Ant. Internal, Ant.1

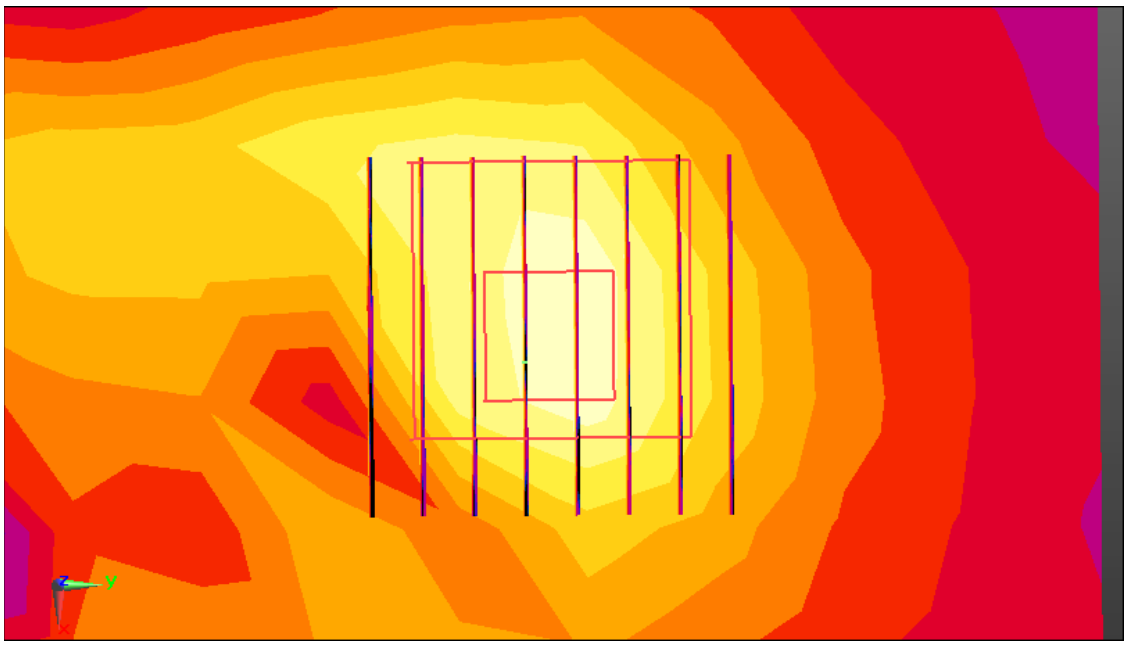
Area Scan (15x23x1): Measurement grid: dx=10mm, dy=10mm
Zoom Scan (8x8x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm, Graded Ratio: 1.4
Power Drift = -0.07 dB
Peak SAR (extrapolated) = 7.00 W/kg
SAR(1 g) = 1.48 W/kg; SAR(10 g) = 0.431 W/kg



0 dB = 3.86 W/kg



Enlarged Plot for A57



Enlarged Plot for A57

DT&C Co., Ltd.

DUT: LM-V500EM; Type: Bar

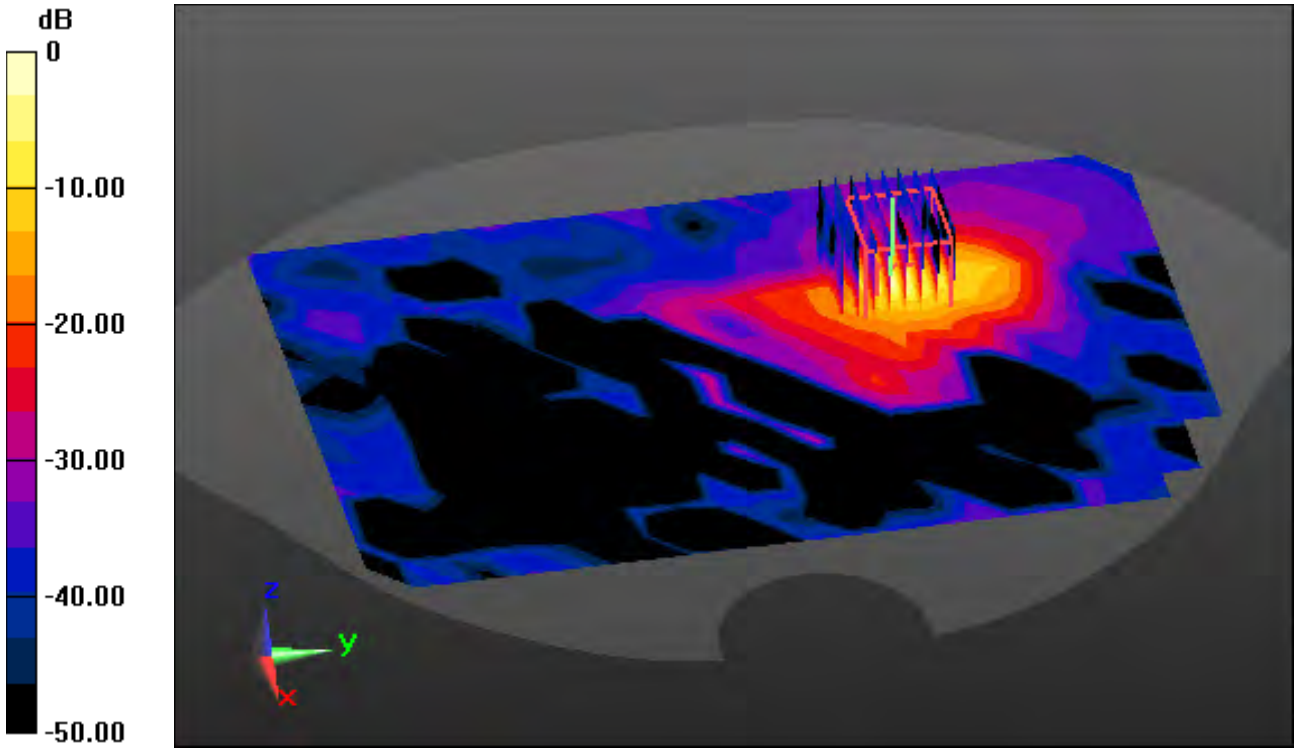
Communication System: UID 0, 00_5GHz W-LAN (0); Frequency: 5600 MHz; Duty Cycle: 1:1
Medium parameters used: f = 5600 MHz; σ = 5.725 S/m; ε_r = 49.294; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:
Probe: EX3DV4 - SN3930; ConvF(4.09, 4.09, 4.09); Calibrated: 7/26/2018; Electronics: DAE4 Sn1335
Sensor-Surface: 1.4mm (Mechanical Surface Detection)
Phantom: Twin-SAM V5.0 ; Type: QD 000 P40 CD; Serial: 1679
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

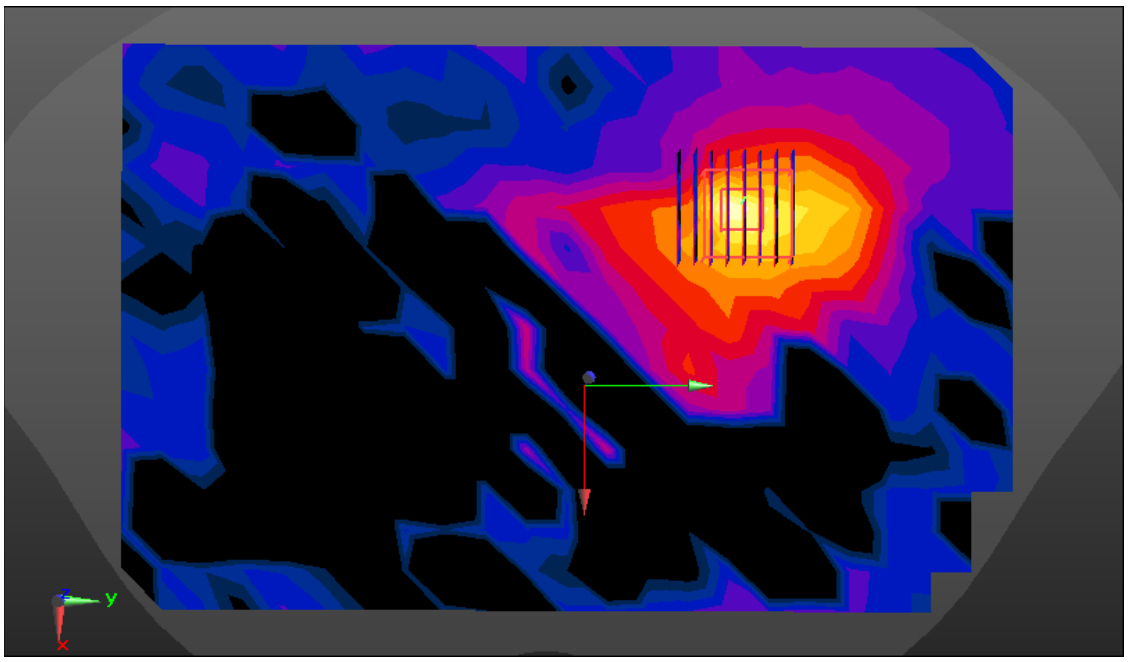
Test Date: 2019-03-06; Ambient Temp: 20.6; Tissue Temp: 20.8

Touch from Body, Rear, WLAN(802.11a) Ch. 120, Ant. Internal, Ant.2

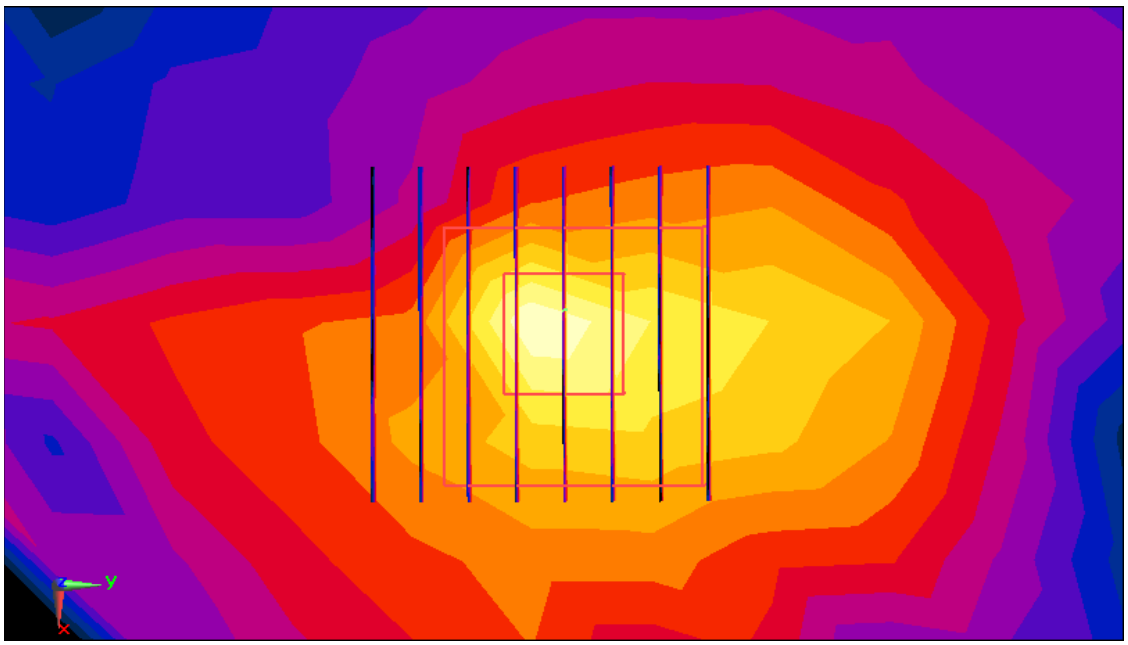
Area Scan (15x23x1): Measurement grid: dx=10mm, dy=10mm
Zoom Scan (8x8x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm, Graded Ratio: 1.4
Power Drift = 0.14 dB
Peak SAR (extrapolated) = 71.5 W/kg
SAR(1 g) = 6.83 W/kg; SAR(10 g) = 1.22 W/kg



0 dB = 27.8 W/kg



Enlarged Plot for A58



Enlarged Plot for A58

DUT: LM-V500EM; Type: Bar

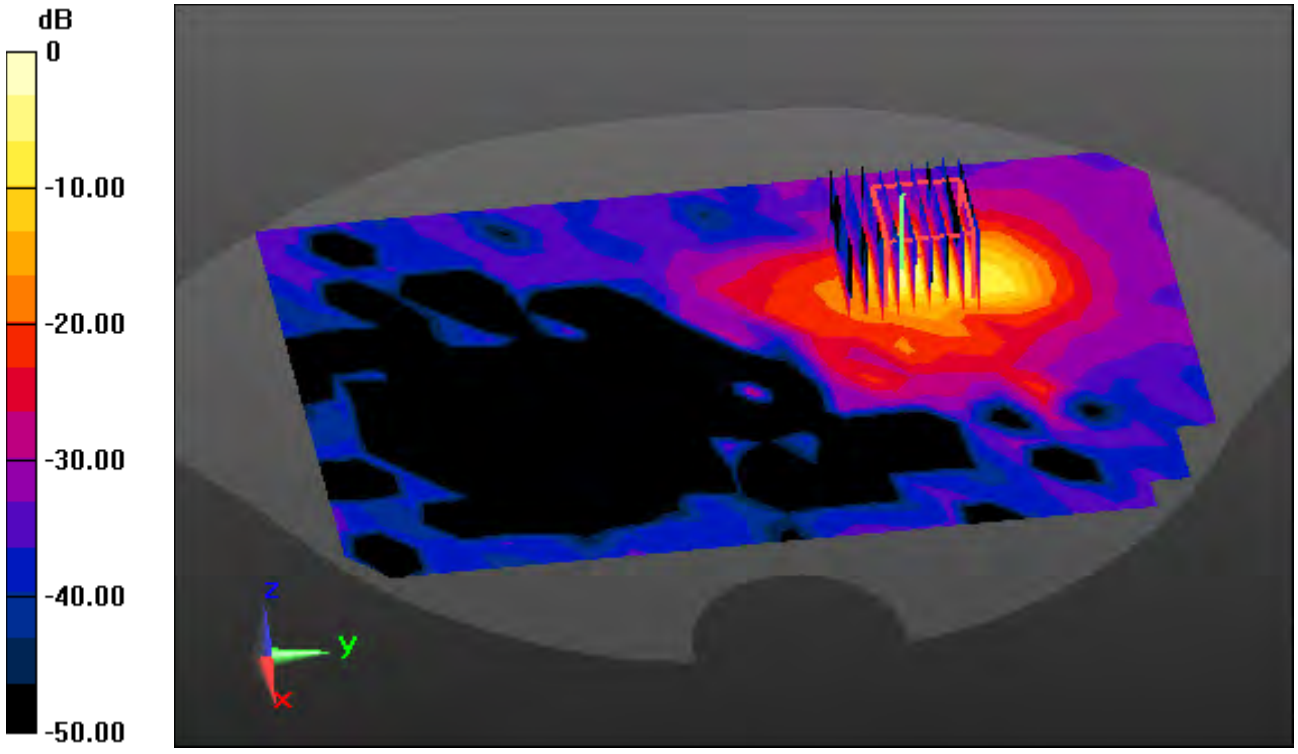
Communication System: UID 0, 00_5GHz W-LAN (0); Frequency: 5600 MHz; Duty Cycle: 1:1
Medium parameters used: f = 5600 MHz; σ = 5.725 S/m; ε_r = 49.294; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:
Probe: EX3DV4 - SN3930; ConvF(4.09, 4.09, 4.09); Calibrated: 7/26/2018; Electronics: DAE4 Sn1335
Sensor-Surface: 1.4mm (Mechanical Surface Detection)
Phantom: Twin-SAM V5.0 ; Type: QD 000 P40 CD; Serial: 1679
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

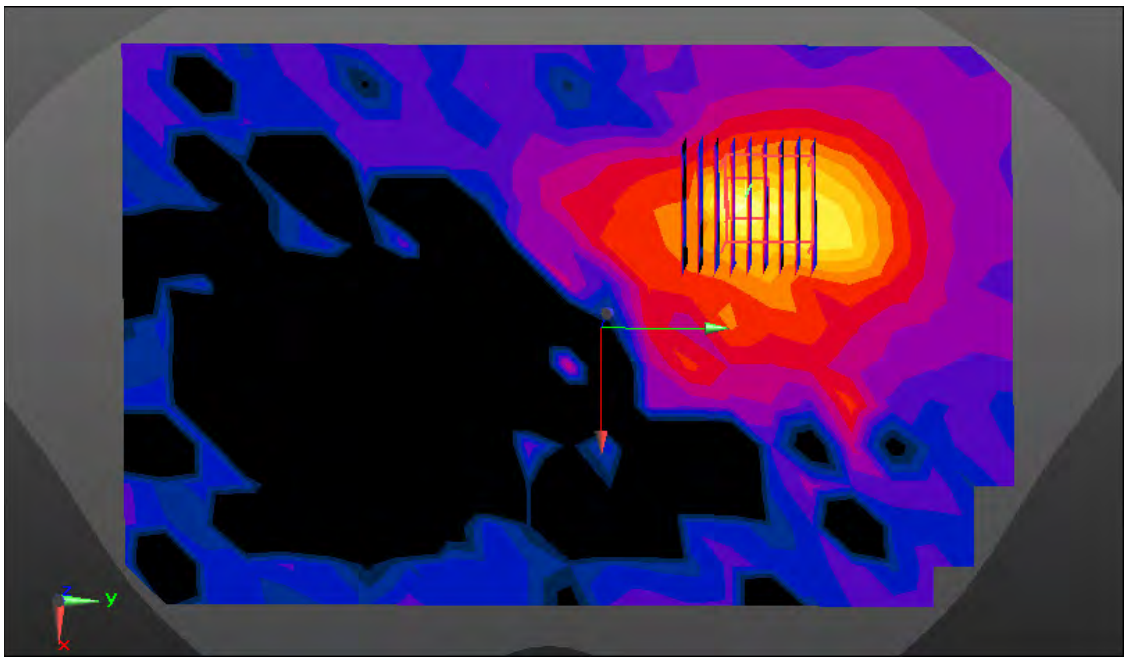
Test Date: 2019-03-06; Ambient Temp: 20.6; Tissue Temp: 20.8

Touch from Body, Rear, WLAN(802.11a) Ch. 120, Ant. Internal, MIMO

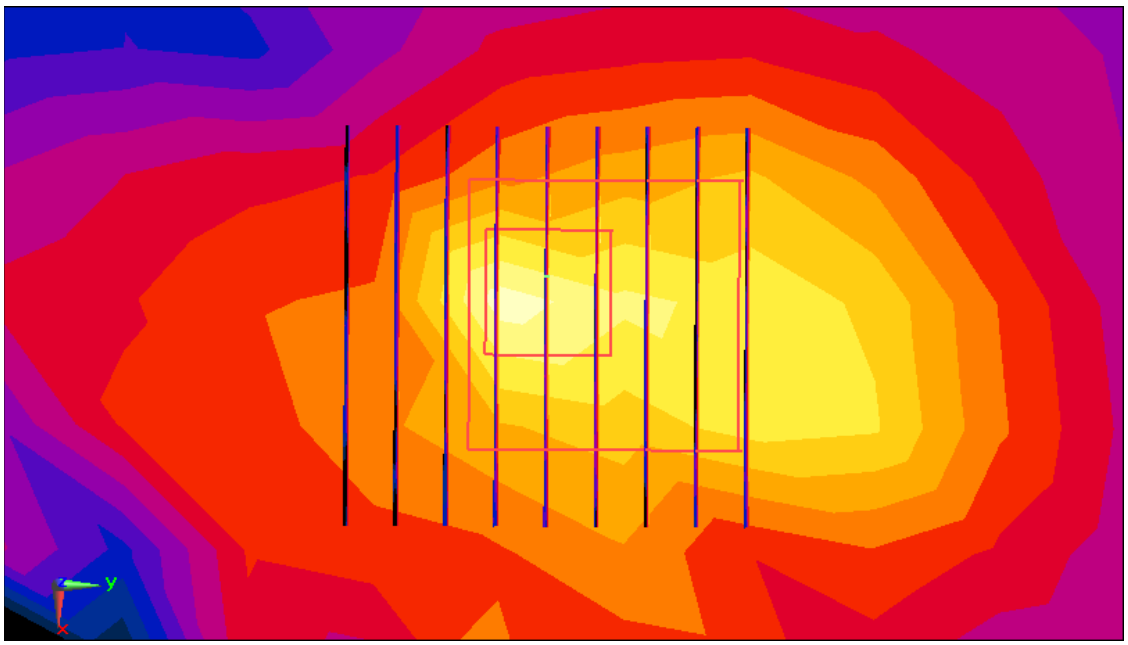
Area Scan (15x23x1): Measurement grid: dx=10mm, dy=10mm
Zoom Scan (9x9x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm, Graded Ratio: 1.4
Power Drift = 0.18 dB
Peak SAR (extrapolated) = 51.9 W/kg
SAR(1 g) = 5.27 W/kg; SAR(10 g) = 1.03 W/kg



0 dB = 22.5 W/kg



Enlarged Plot for A59



Enlarged Plot for A59

DT&C Co., Ltd.

DUT: LM-V500EM; Type: Bar

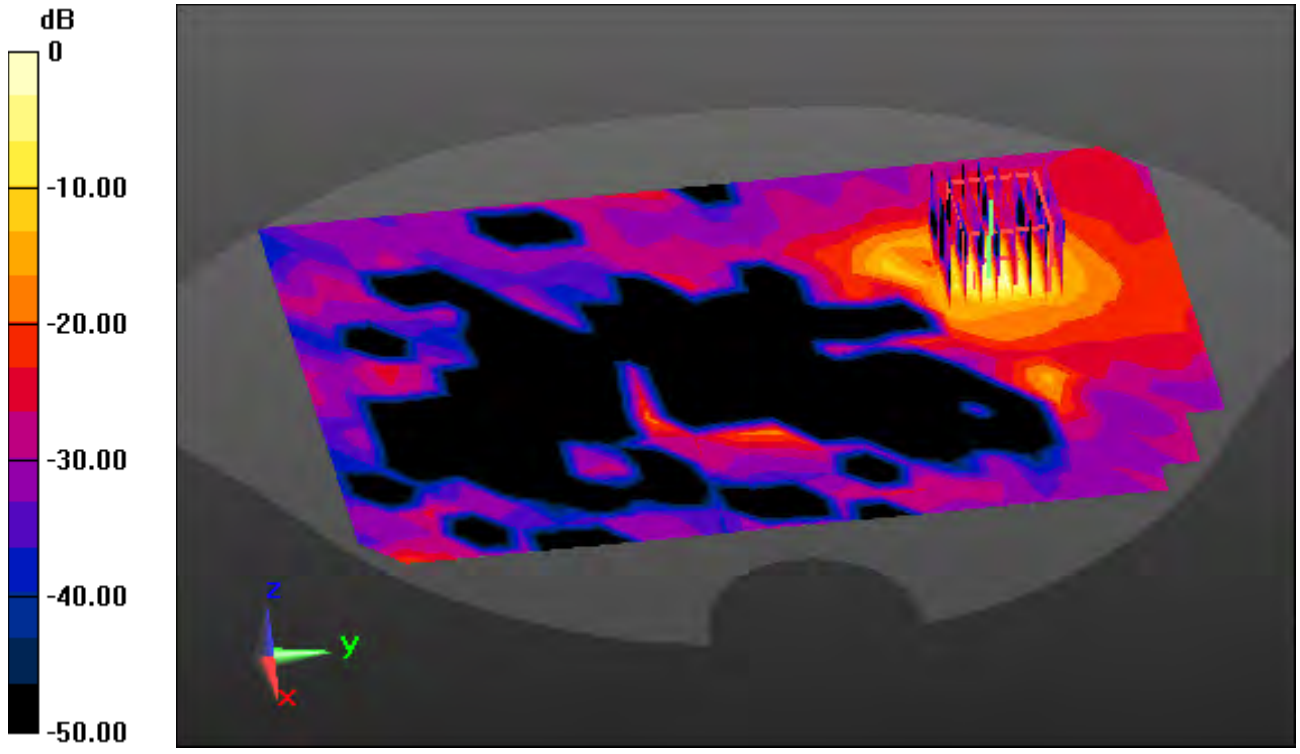
Communication System: UID 0, 00_5GHz W-LAN (0); Frequency: 5825 MHz; Duty Cycle: 1:1
Medium parameters used: f = 5825 MHz; σ = 5.997 S/m; ε_r = 48.683; ρ = 1000 kg/m^3
Phantom section: Flat Section

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

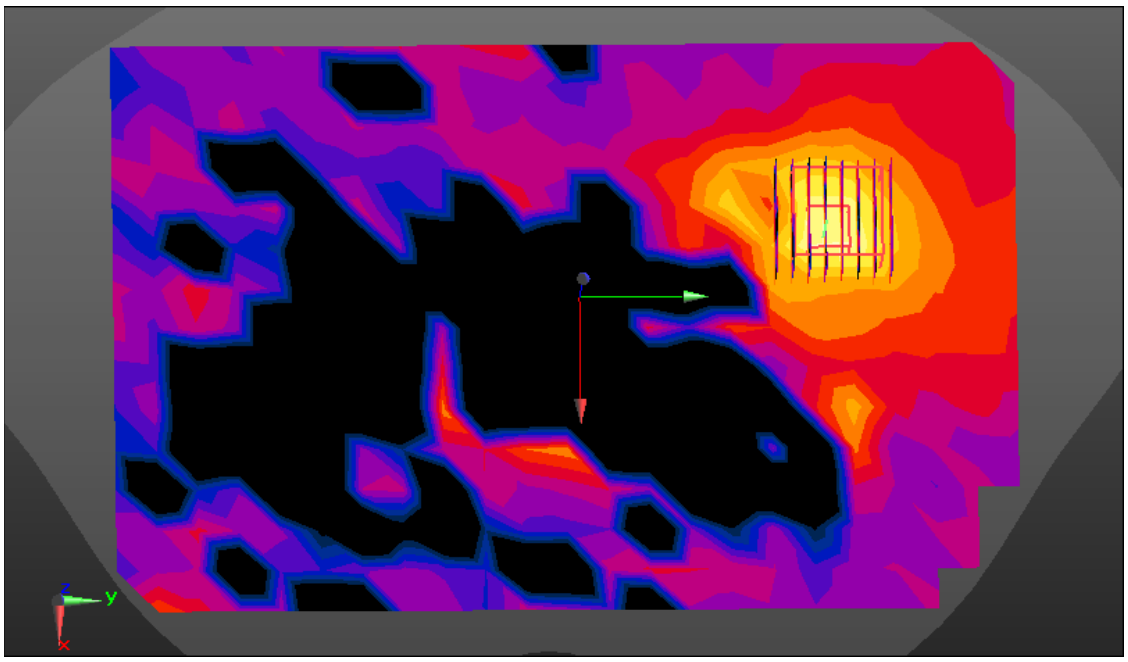
Test Date: 2019-03-07; Ambient Temp: 20.3; Tissue Temp: 20.5

Touch from Body, Rear, WLAN(802.11a) Ch. 165, Ant. Internal, Ant.1

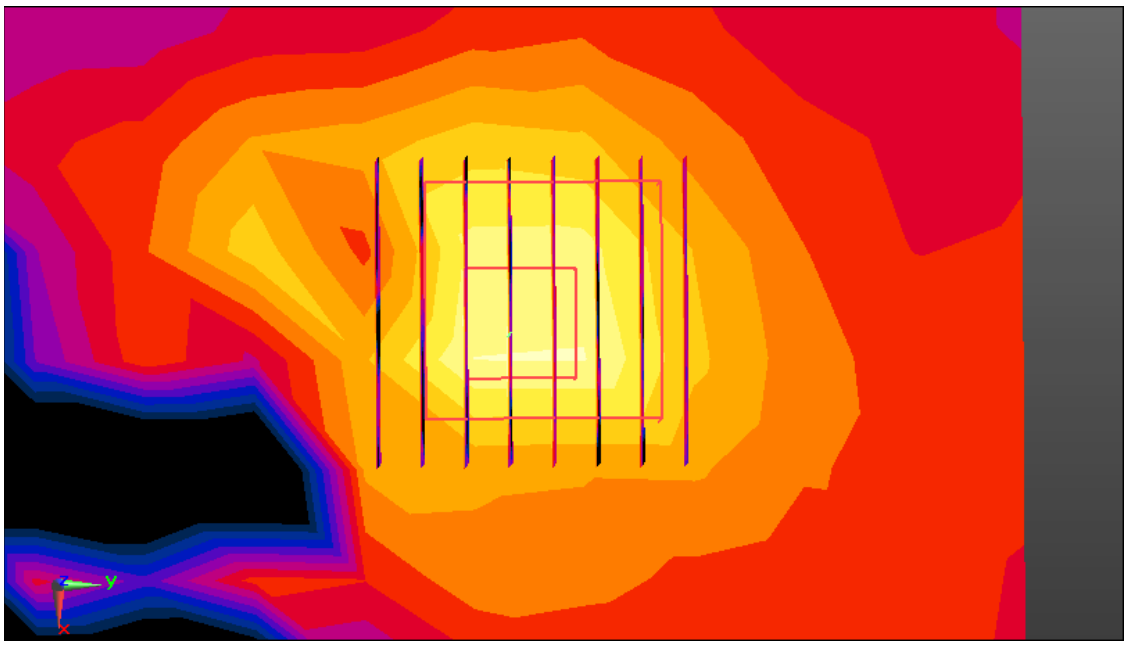
Area Scan (15x23x1): Measurement grid: dx=10mm, dy=10mm
Zoom Scan (8x8x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm, Graded Ratio: 1.4
Power Drift = -0.13 dB
Peak SAR (extrapolated) = 7.03 W/kg
SAR(1 g) = 1.12 W/kg; SAR(10 g) = 0.243 W/kg



0 dB = 3.37 W/kg



Enlarged Plot for A60



Enlarged Plot for A60

DT&C Co., Ltd.

DUT: LM-V500EM; Type: Bar

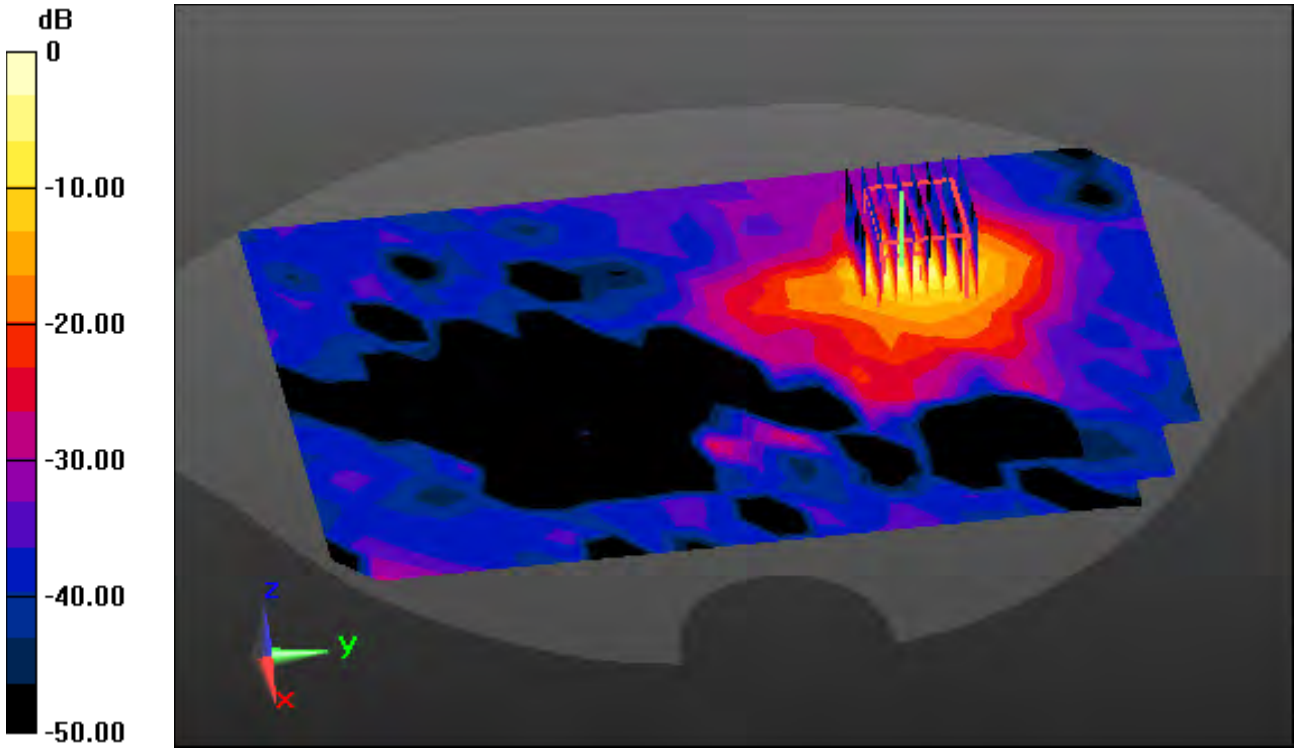
Communication System: UID 0, 00_5GHz W-LAN (0); Frequency: 5825 MHz; Duty Cycle: 1:1
Medium parameters used: f = 5825 MHz; σ = 5.997 S/m; ε_r = 48.683; ρ = 1000 kg/m^3
Phantom section: Flat Section

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

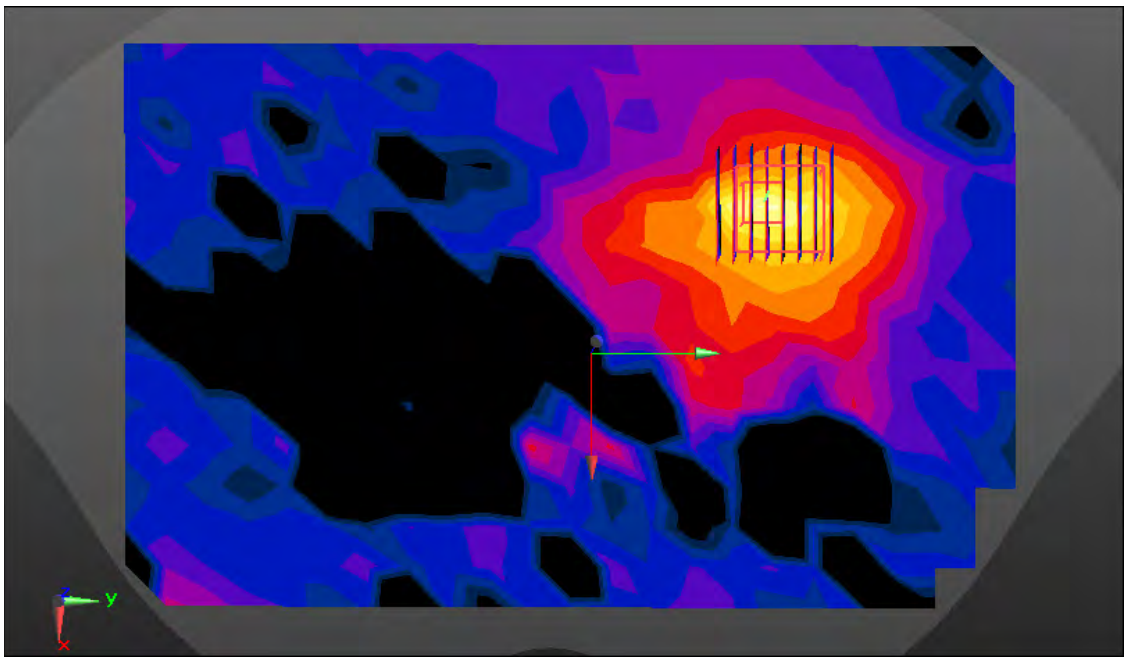
Test Date: 2019-03-07; Ambient Temp: 20.3; Tissue Temp: 20.5

Touch from Body, Rear, WLAN(802.11a) Ch. 165, Ant. Internal, Ant.2

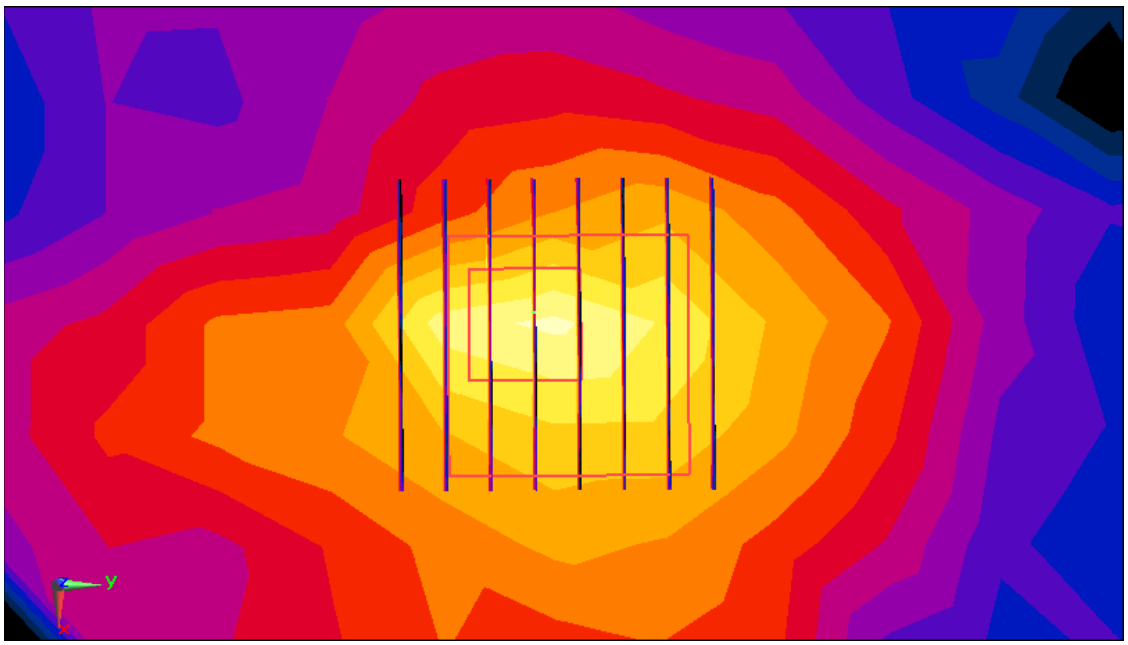
Area Scan (15x23x1): Measurement grid: dx=10mm, dy=10mm
Zoom Scan (8x8x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm, Graded Ratio: 1.4
Power Drift = 0.19 dB
Peak SAR (extrapolated) = 71.0 W/kg
SAR(1 g) = 6.11 W/kg; SAR(10 g) = 1.23 W/kg



0 dB = 27.4 W/kg



Enlarged Plot for A61



Enlarged Plot for A61

DT&C Co., Ltd.

DUT: LM-V500EM; Type: Bar

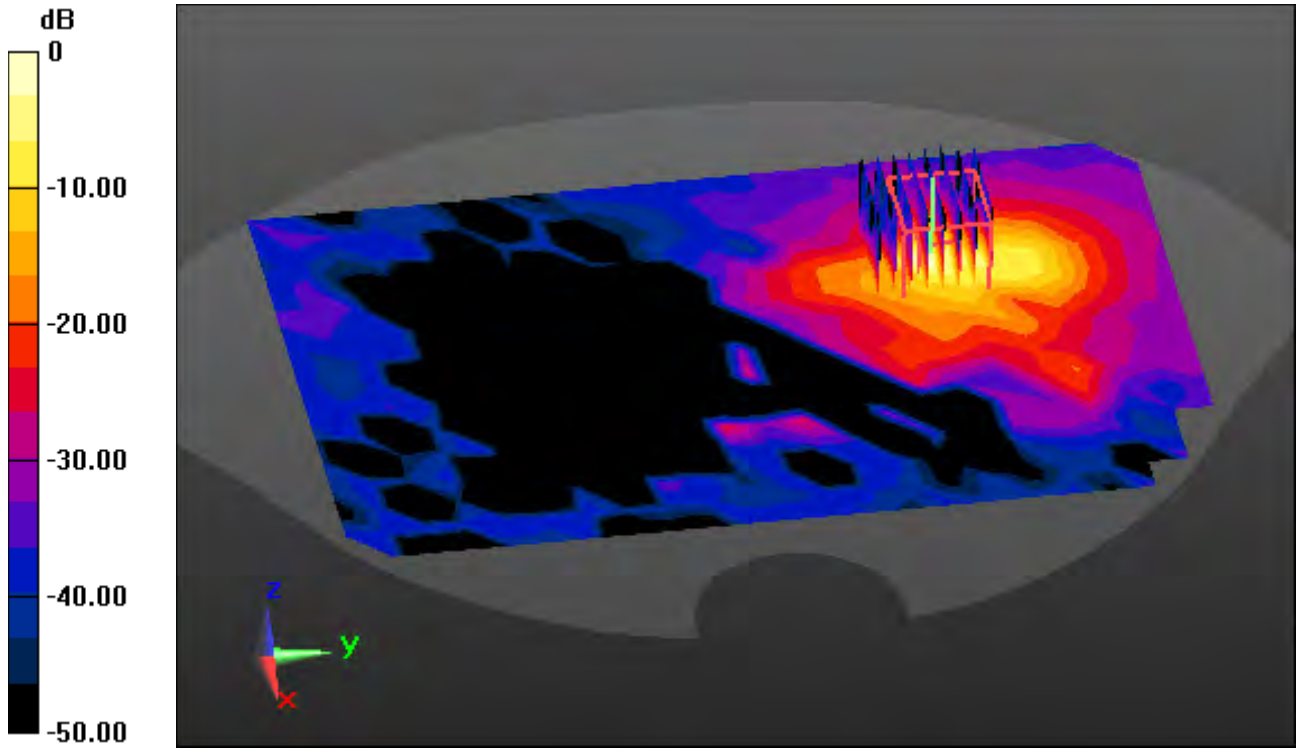
Communication System: UID 0, 00_5GHz W-LAN (0); Frequency: 5825 MHz; Duty Cycle: 1:1
Medium parameters used: f = 5825 MHz; σ = 5.997 S/m; ε_r = 48.683; ρ = 1000 kg/m^3
Phantom section: Flat Section

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

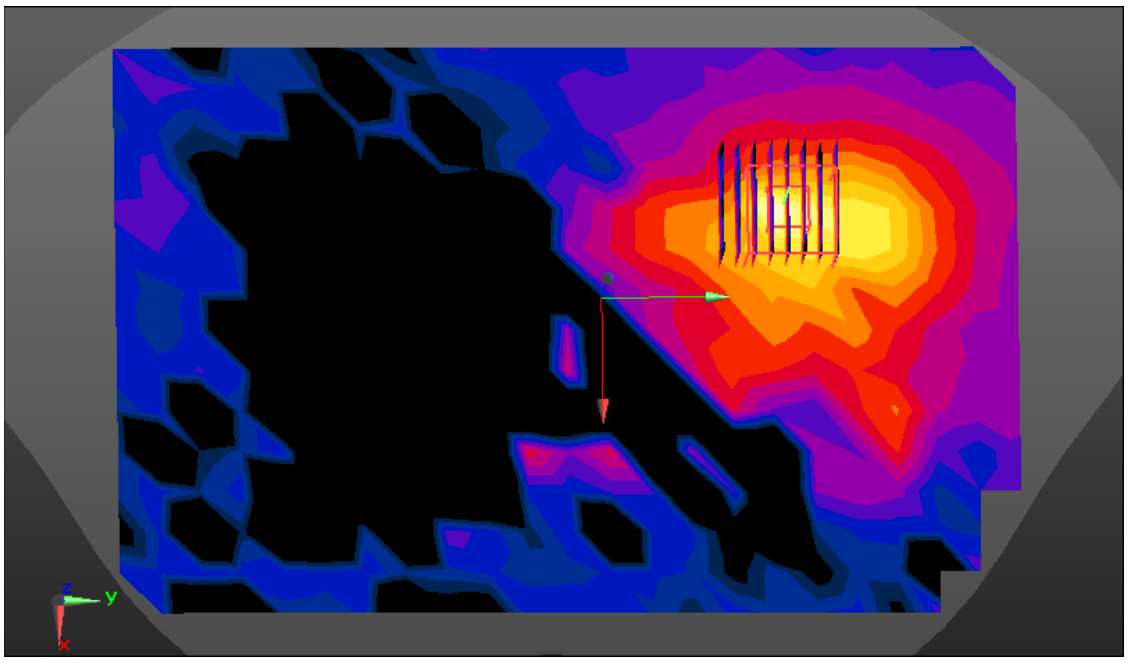
Test Date: 2019-03-07; Ambient Temp: 20.3; Tissue Temp: 20.5

Touch from Body, Rear, WLAN(802.11a) Ch. 165, Ant. Internal, MIMO

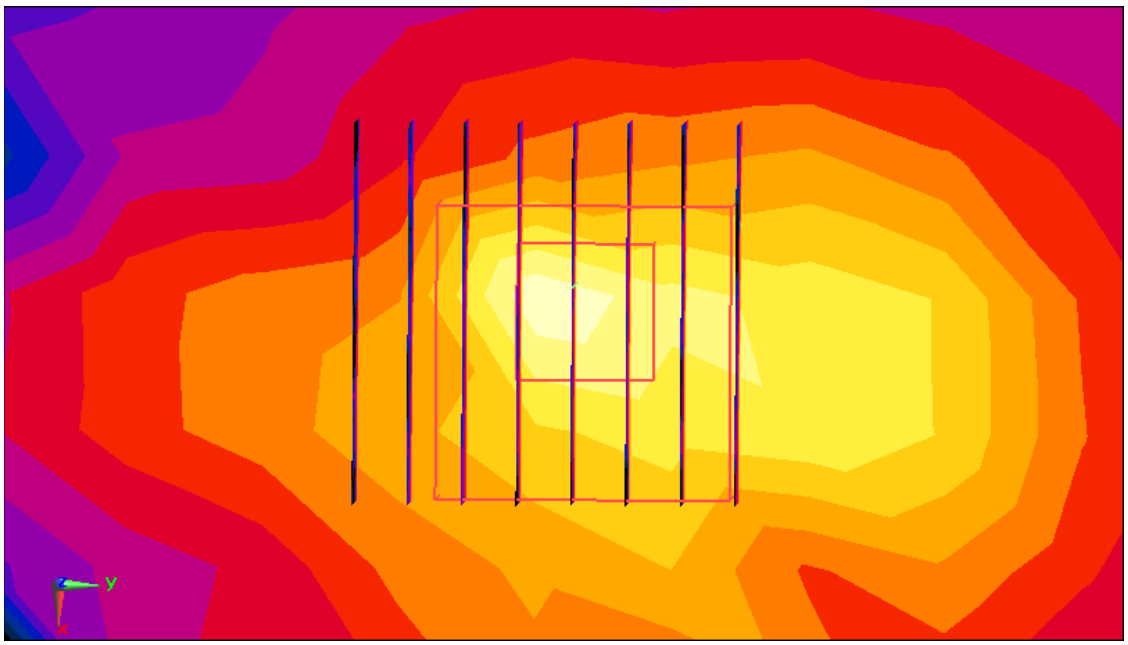
Area Scan (15x23x1): Measurement grid: dx=10mm, dy=10mm
Zoom Scan (8x8x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm, Graded Ratio: 1.4
Power Drift = -0.17 dB
Peak SAR (extrapolated) = 60.4 W/kg
SAR(1 g) = 5.7 W/kg; SAR(10 g) = 1.09 W/kg



0 dB = 23.3 W/kg



Enlarged Plot for A62



Enlarged Plot for A62